MCBSF- 2.7.1

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ENVIRONMENTAL SERVICES

McCormick & Baxter Creosoting Company

Remedial Investigation Report
Volume III of IV (Appendices E and F)

Prepared for

Oregon Department of Environmental Quality
Portland, Oregon

September 1992

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ENVIRONMENTAL CLEANUP DIVISION

McCormick & Baxter Creosoting Company

Remedial Investigation Report
Volume III of IV (Appendices E and F)

Prepared for

Oregon Department of Environmental Quality
Environmental Cleanup Division
811 S.W. Sixth Avenue
Portland, Oregon 97204

DEQ Task Order 78-89-16-010
PTI Contract C842-16-06

September 1992

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APPENDIX E

Well and Borehole Logs and Soil Characteristics

INTRODUCTION

This appendix includes borehole logs and well construction data for new and existing wells, in addition to field and laboratory soil property data. This appendix is presented in the following order:

- Boring Log Explanation (p. E-1)
- Monitoring Wells (p. E-3)
- Existing Wells and Boreholes (p. E-54)
- Regional Wells (p. E-79)
- Soil Boreholes (p. E-99)
- Sediment Boreholes (p. E-118)
- Standard Penetration Test (N) Blow Count Data (p. E-133)
- Particle Size Distribution Plots (p. E-139)

Boring Log Explanation

BORING LOG EXPLANATION

LITHOLOGIC DESCRIPTION	EXPLANATION[a]
GW	Well-graded gravel and well-graded gravel with sand, <5% fines.
GP	Poorly graded gravel and poorly graded gravel with sand, <5% fines.
GM	Silty gravel and silty gravel with sand, >12% fines.
GC	Clayey gravel and clayey gravel with sand, >12% fines.
SW	Well-graded sand and well-graded sand with gravel, <5% fines.
SP	Poorly graded sand and poorly graded sand with gravel, <5% fines.
SM	Silty sand and silty sand with gravel, >12% fines.
SC	Clayey sand and clayey sand with gravel, >12% fines.
ML	Inorganic silt, silt with sand and/or gravel, sandy silt, sandy silt with gravel, and gravelly silt, with low plasticity, >50% fines.
CL	Lean clay, lean clay with sand and/or gravel, gravelly clay, and sandy clay, with low to medium plasticity, >50% fines.
OL	Organic clay and silt and organic clay and silt with sand and/or gravel, with low plasticity, >50% fines.
MH	Elastic silt, elastic silt with sand and/or gravel, sandy and/or gravelly elastic silt, >50% fines.
CH	Inorganic clay, inorganic clay with sand and/or gravel, sandy and/or gravelly clay with high plasticity, fat clay, >50% fines.
OH	Organic clay and silt, and organic clay and silt with sand and/or gravel with high plasticity, >50% fines.
PT	Peat (woody material, wood chips, and wood debris) and other highly organic soils.
CON	Concrete.
	[a]Based on ASTM standards D-2487 (Classification of soils for engineering purposes) and D-2488 (Visual-manual) (ASTM 1989).
	Lines separating strata represent approximate boundaries.
	Dual symbols (i.e., symbols separated by a hyphen) are used to indicate that the soil has been identified in accordance with test method D-2487, where two symbols are required.
	Borderline symbols (i.e., symbols separated by a slash but without a hyphen) are used here to distinguish interbedded lithologies.

SOURCE: ASTM. 1989. Annual book of ASTM standards - Section 4. Construction. Volume 04.08 - Soil and rock, building stones; geotextiles. Standard practice for description and identification of soils (visual-manual procedure). p. 298. American Society for Testing and Materials, Philadelphia, PA.

OVM (ppm)	SHEEN/CAT.	%RECOVERY	SAMPLES	LITHOLOGIC DESCRIPTION	EXPLANATION
					FIELD SCREENING
7					**OVM** - Organic vapor monitor values measured in ppm.
					SHEEN CATEGORY (shown on borehole logs).
	NS				NS - No Sheen.
	SS				SS - Slight Sheen.
	MS				MS - Moderate Sheen.
	HS				HS - Heavy Sheen.
					SAMPLING
			☒		**ENVIRONMENTAL SAMPLE** - Sample submitted for analysis or archived for possible future analysis (shown on monitoring wells and BH-27, BH-28, and BH-29 logs).
		100			**% RECOVERY** - Length of sample recovered/sampler penetration.
					SAMPLER - Type of device.
					3-inch O.D. California split spoon, 1.5 feet long.
					3-inch O.D California split spoon, 2.5 or 5.0 feet long.
					2-inch O.D. split spoon, 1.5 feet long.
					3-inch O.D Shelby tube, 2.0 feet long.
					Grab sample from auger flights.
					OTHER
					NA - Information not available.
				▼	Water level on date as noted.

Monitoring Wells

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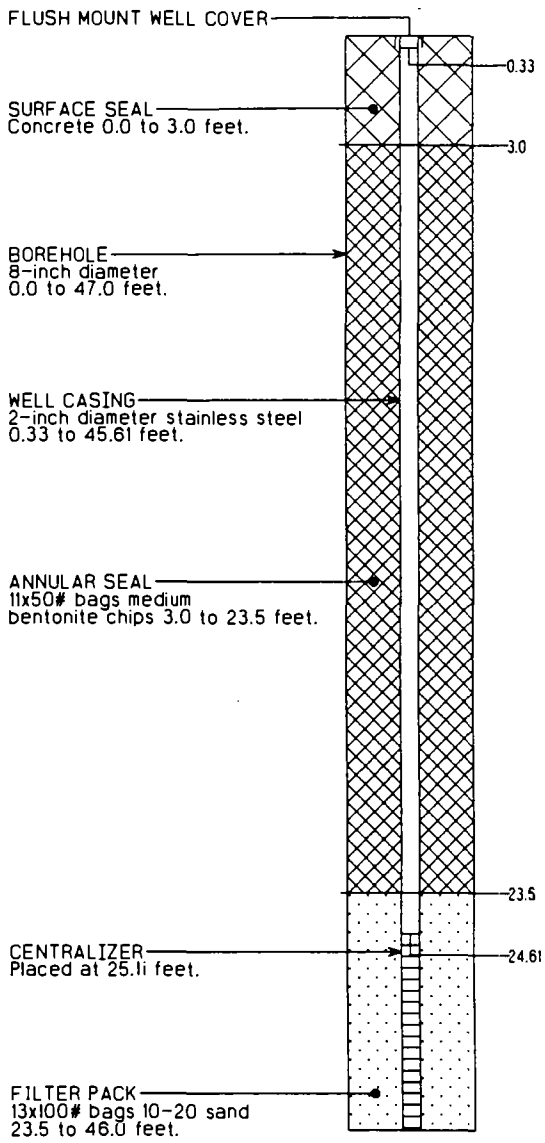
WELL MW-1s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LIVERMORE & PETERSON
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 47.0 FEET
DATE (s) DRILLED NOV 6-7, 1990
COORDINATES 705962.518, 1426385.620
WELL CASING ELEVATION 34.32 FEET
SURFACE PAD ELEVATION 34.65 FEET
TOTAL WELL CASING LENGTH 45.28 FEET

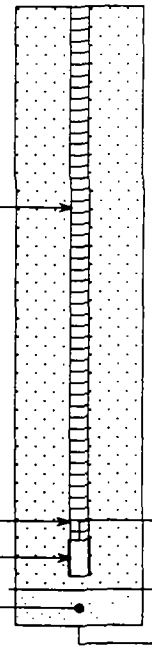
DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0		X	100		GP-GM	Fine GRAVEL with silt and sand, very dark gray, moist.
					SP	Fine to medium SAND with trace of gravel and silt, silt increases with depth, dark brown, moist.
	0.8	X	80			
	0.0				GM	Silty fine basalt GRAVEL and occasional cobbles, dark gray, moist.
		X	40		SW	Fine to coarse SAND with trace of silt and gravel, dark brown, moist.
10	0.0	X	64		SP	Fine SAND with trace of coarse sand and gravel, silt increasing with depth, very dark gray brown, moist.
						yellow-brown mottling at 16.0 to 17.0 feet
	12.5		66		SM	Silty fine SAND, dark gray to black, moist.
		X			ML	SILT, dark gray, moist, low to moderate plasticity.
20	2.5	X	80			Silty fine to coarse GRAVEL, dark gray. Water level at 24.34 feet on 1/9/91
		X			SW-SM	Fine to coarse SAND with silt and trace of gravel, dark gray, wet.
	0.0		100		SW GM	Medium to coarse SAND and fine to coarse GRAVEL with silt and cobbles, very dark olive gray, wet.
30			0			

WELL CONSTRUCTION DETAILS



WELL MW-1S

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30							
			0		SW GM		
	5.0		75				
					SW-SM	Fine to coarse SAND with silt trace of fine to coarse gravel, gray, wet.	WELL SCREEN 0.020 slot stainless steel wirewrap 24.61 to 44.61 feet.
40						heaving sand below 42.0 feet	
							CENTRALIZER Placed at 44.11 feet. 44.61
							1-FOOT SUMP AND END CAP 46.0
						Total depth 47.0 feet.	BACKFILL Native materials 46.0 to 47.00 feet. 47.0
						Oily sheen observed in soil samples 17.5 to 23.0 feet and 37.0 to 47.0 feet.	
50							
60							



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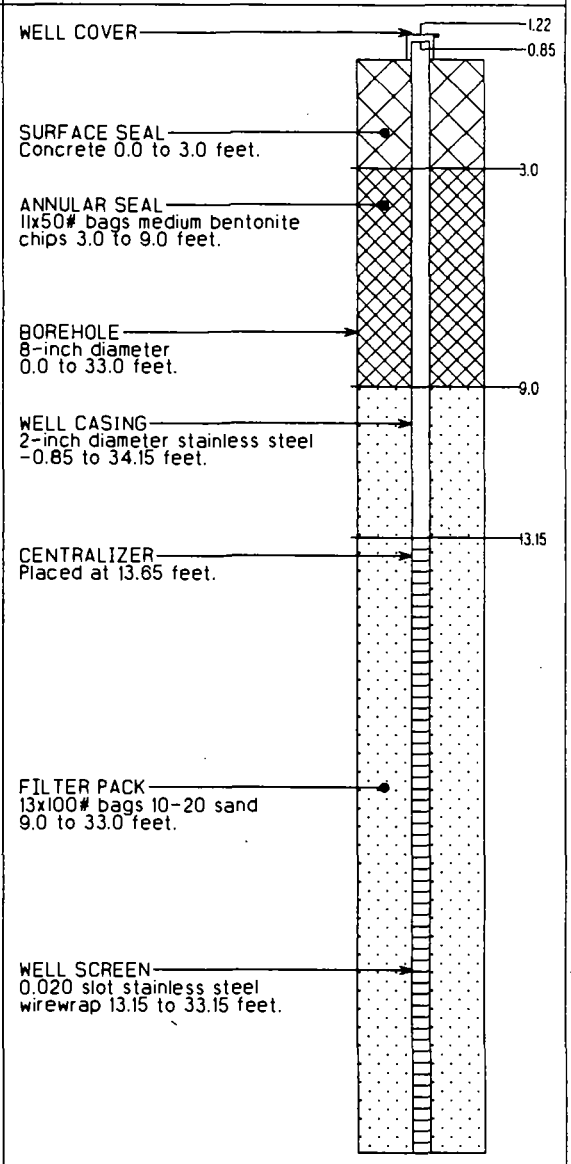
WELL MW-2s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 37.5 FEET
DATE (s) DRILLED NOV 1-2, 1990
COORDINATES 704440.919, 1427569.703
WELL CASING ELEVATION 33.11 FEET
SURFACE PAD ELEVATION 32.26 FEET
TOTAL WELL CASING LENGTH 35.00 FEET

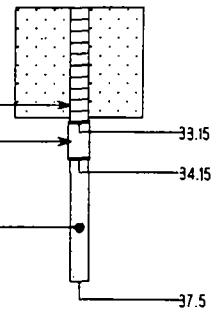
DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0			90		SM	Silty fine to medium SAND with trace gravel and organic material, dark brown to reddish brown, moist.
		X	80			
		X				
10		X	86		SM, ML	Silty medium SAND, interbedded with sandy SILT, slightly plastic, brown, moist.
					SM	Silty medium SAND, brown, moist.
		X	80		SP	Fine to medium SAND, with trace of silt and fine gravel, brown, moist to wet.
		X				
20			80			Water level at 2L83 feet on 3/4/91
		X	80		SW	Fine to coarse SAND, with fine gravel to cobbles, increasingly silty with depth, dark brown to gray, wet.
			100		ML	
30		X				

WELL CONSTRUCTION DETAILS



WELL MW-2s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30		X	100		ML	SILT, low plasticity, very dark gray, wet	
					SW	Fine to coarse SAND, with trace silt, very dark gray, wet.	CENTRALIZER Placed at 32.65 feet.
		X	91				1-FOOT SUMP AND END CAP — 33.15 — 34.15
							BACKFILL Native material 34.15 to 37.5 feet.
						Total depth 37.5 feet.	37.5
40						No sheen or odor observed in soil samples at any interval.	
50							
60							



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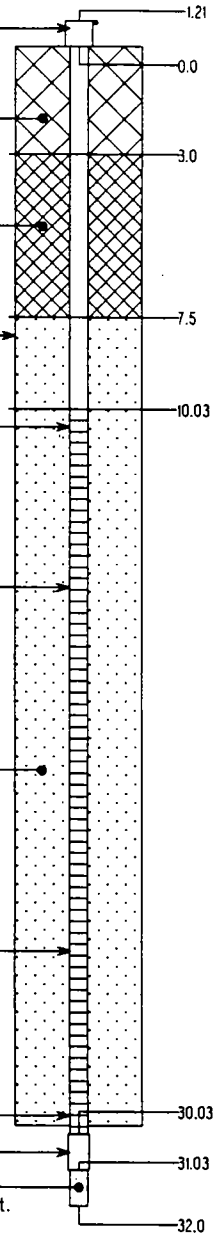
WELL MW-3s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 32.0 FEET
DATE (s) DRILLED OCT 30–NOV 1, 1990
COORDINATES 704124.240, 1427205.050
WELL CASING ELEVATION 28.77 FEET
SURFACE PAD ELEVATION 28.77 FEET
TOTAL WELL CASING LENGTH 31.03 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0			100		GM	Silty GRAVEL with organic material, brown, moist
					SP	Fine to medium SAND with trace gravel and organic material, gray, moist.
			93		SP-SM	Fine to medium SAND with silt and trace gravel and organic material, dark gray, moist.
	0.0					
10			75			
			52		PT	WOOD (cribbing), fresh, dry interior, moist and orange exterior.
					ML	Clayey SILT with trace sand and organics, dark gray, moist.
						WOOD, water level at 16.27 feet on 3/4/91
					ML-PT	SILT and WOOD.
20			70		PT	WOOD, fresh, dark reddish brown.
					PT-SM	WOOD and PEAT, with minor clayey SILT, very dark gray, wet.
			100		ML-SM	Sandy SILT with clay, interbedded with silty fine SAND with trace natural organic material, very dark gray, wet.
30			100			
						Total depth 32.0 feet.
						No sheen or odor observed in soil samples at any interval.

WELL CONSTRUCTION DETAILS



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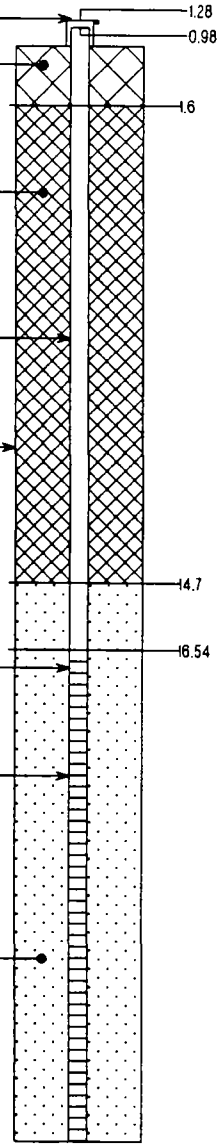
WELL MW-4S

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LIVERMORE & PETERSON
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

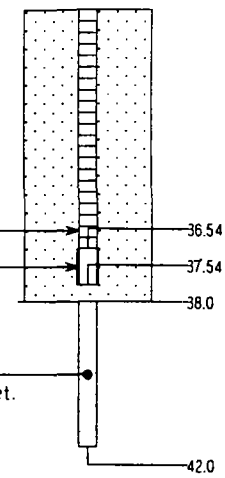
DEPTH OF BORING 42.0 FEET
DATE (s) DRILLED NOV 8-9, 1990
COORDINATES 704533.314, 1426676.320
WELL CASING ELEVATION 34.81 FEET
SURFACE PAD ELEVATION 33.83 FEET
TOTAL WELL CASING LENGTH 38.52 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
0			100		ML	Sandy SILT with gravel and trace of roots and wood chips, dark grayish brown, moist.	WELL COVER; SURFACE SEAL Concrete 0.0 to 1.6 feet.
					SP-SM	Fine to medium SAND with silt and gravel, dark reddish brown, moist.	
	0.0		70		SP	Fine to medium SAND with trace gravel and silt, dark brown, moist to wet.	ANNULAR SEAL 13.5x50# bags medium bentonite chips 1.6 to 14.7 feet.
10			87				WELL CASING 2-inch diameter stainless steel -0.98 to 37.54 feet. BOREHOLE 8-inch diameter 0.0 to 38.0 feet.
			80			grades to very dark gray	CENTRALIZER Placed at 17.04 feet.
20			80				WELL SCREEN 0.020 slot stainless steel wirewrap 16.54 to 36.54 feet.
			80			Water level at 26.05 on 1/9/91	FILTER PACK 11x100# bags 10-20 sand 14.7 to 38.0 feet.
	8.0		70			trace organic material	
30							



WELL MW-4s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30		☒	70	■	SP		
				⧗			CENTRALIZER Placed at 36.04 feet. (36.54)
							1-FOOT SUMP AND END CAP (37.54)
							(38.0)
40			76	■	ML SP	SILT with organic material and thin beds of fine SAND, slight to moderate plasticity, very dark gray.	BACKFILL Native materials 38.0 to 42.0 feet.
						Total depth 42.0 feet.	(42.0)
						No sheen or odor observed in soil samples at any interval.	
50							
60							



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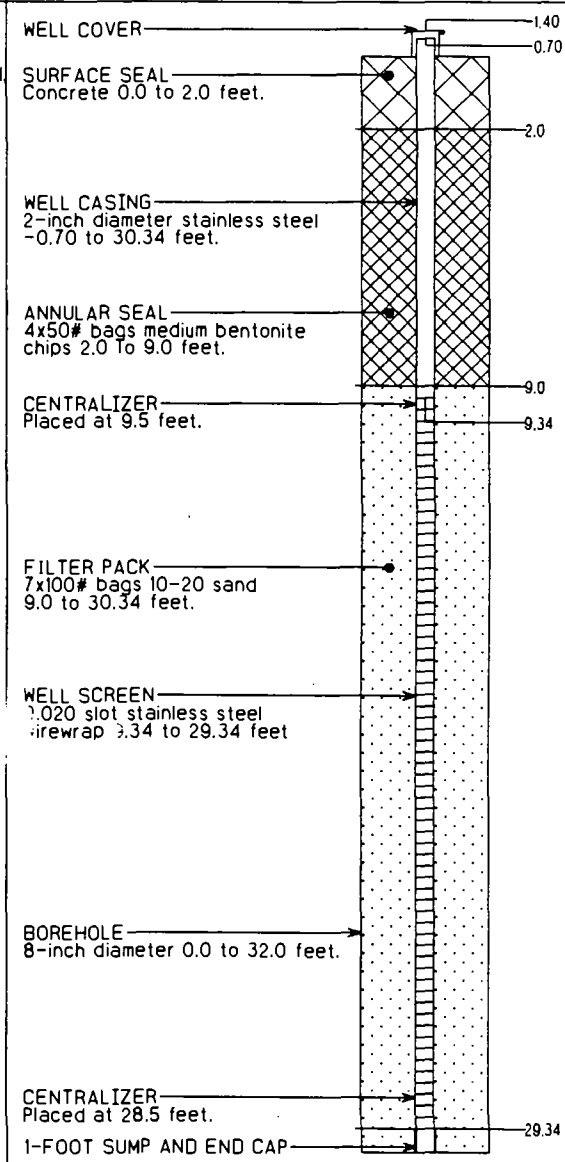
WELL MW-5s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 37.0 FEET
DATE (s) DRILLED JAN 23, 1991
COORDINATES 704814.787, 1426689.158
WELL CASING ELEVATION 33.45 FEET
SURFACE PAD ELEVATION 32.75 FEET
TOTAL WELL CASING LENGTH 31.04 FEET

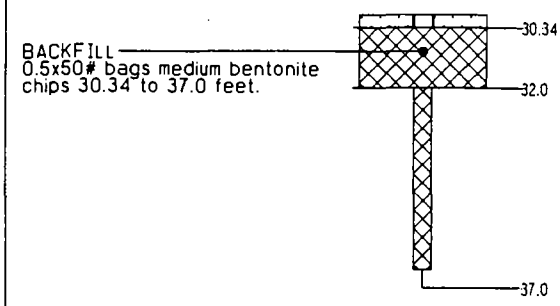
DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0		100		GM	Fine to coarse silty GRAVEL, occasional wood fragments, subangular to subrounded, very dark greenish brown, moist.
					SP-SM	Fine SAND with silt and occasional gravel, dark brown to very dark gray, moist.
		X	50			
	0.0		33		PT	Fresh WOOD chips and sawdust, very dark gray to black, moist to wet.
10			100			
	0.0		60			
20						Water level at 21.93 feet on 3/4/91
					ML	SILT with fine sand and abundant fine roots, slightly plastic, dark olive gray, wet.
30						

WELL CONSTRUCTION DETAILS



WELL MW-5s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30					ML		
	0.0	X	50				
						Total depth 37.0 feet.	
40						Oily sheen observed in groundwater from 32.0 to 33.5 feet.	
50							
60							



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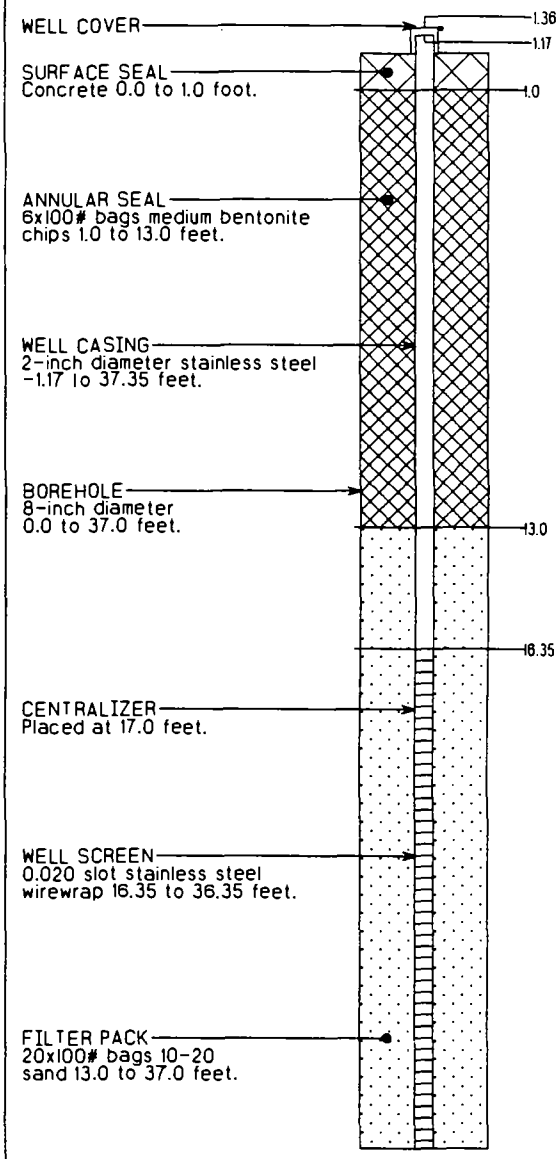
WELL MW-7s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 42.0 FEET
DATE (s) DRILLED NOV 14-15, 1990
COORDINATES 704683.052, 1426427.525
WELL CASING ELEVATION 34.21 FEET
SURFACE PAD ELEVATION 33.04 FEET
TOTAL WELL CASING LENGTH 38.52 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0	X	100		SP	Fine to medium SAND, with trace of fine gravel, coarse sand and roots, very dark gray, dry to wet.
	1.2	X	70			
	1.9					
10		X	80			grades to very dark brown
			76			
	0.0	X	60			
20						Water level at 22.81 feet on 3/4/91
	0.6	X	60			grades to very dark gray
	12	X	66			
30						

WELL CONSTRUCTION DETAILS



WELL MW-7s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30		X	66		SP		
						heaving sands	CENTRALIZER Placed at 35.0 feet.
	15						36.35 1-FOOT SUMP AND END CAP
						Stratified beds of sand and silt grade into clayey SILT at 39.0 feet with very fine sand, trace native plant fragments, very dark gray to black.	37.35 BACKFILL Native material 37.35 to 38.0 feet.
40		X	100		ML		
		X			SP	Fine SAND with little medium sand, trace of silt and native plant fragments, very dark gray.	BACKFILL 0.5 bags medium bentonite chips 38.00 to 42.00 feet.
						Total depth 42.0 feet.	42.0
						Creosote-like odor and oily sheen observed in soil samples 23.0 to 42.0 feet.	
50							
60							

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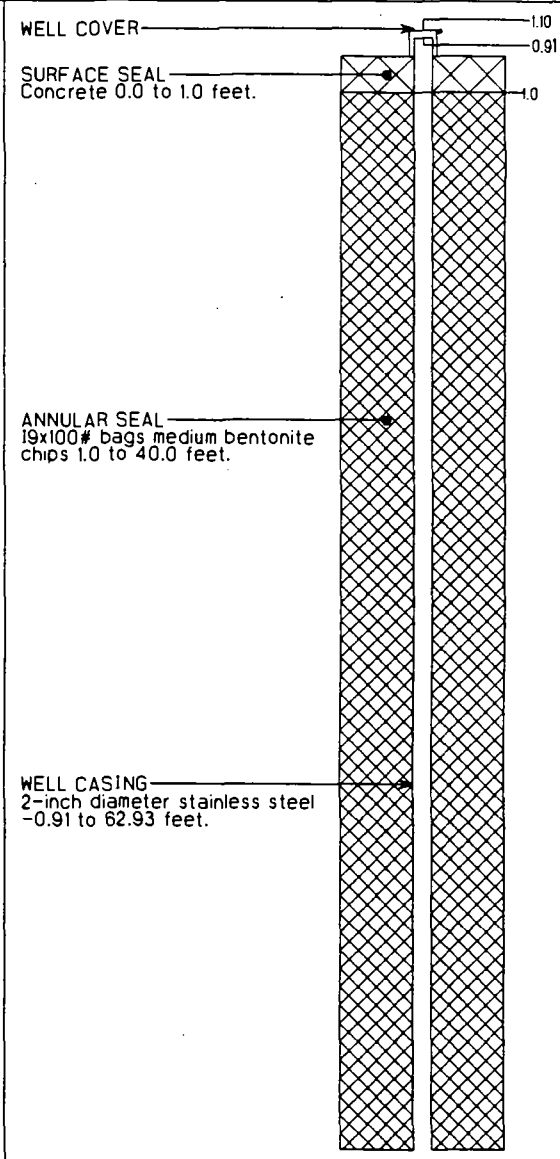
WELL MW-8i

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 65.5 FEET
DATE (s) DRILLED JAN 17-21, 1991
COORDINATES 704678.104, 1426436.344
WELL CASING ELEVATION 33.77 FEET
SURFACE PAD ELEVATION 32.86 FEET
TOTAL WELL CASING LENGTH 63.84 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
						Log of 0.0 to 42.0 feet from MW-7s.
0					SP	Fine to medium SAND, with trace of fine gravel, coarse sand and roots, very dark gray, dry to wet.
10						grades to very dark brown
20						Water level at 21.89 feet on 3/4/91
						grades to very dark gray
30						

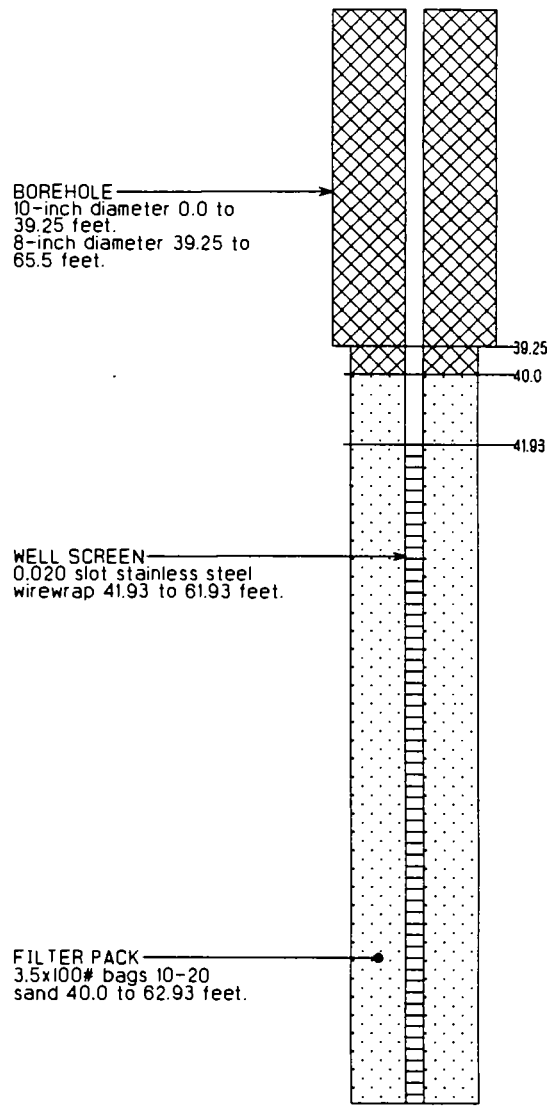
WELL CONSTRUCTION DETAILS



WELL MW-8i

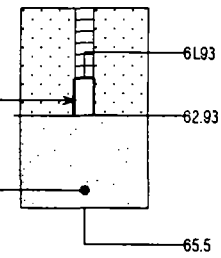
DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30					SP	
	22.0					
	14.0					
40					ML	Stratified beds of sand and silt grade into clayey SILT at 39.0 feet with very fine sand, trace native plant fragments, very dark gray, wet.
					SP	
	1.2					Fine SAND with trace silt and native plant fragments, very dark gray, wet.
50	5.1					
	0.0					
60						

WELL CONSTRUCTION DETAILS



WELL MW-8i

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
60					SP		
	0.8	X		▼			1-FOOT SUMP AND END CAP BACKFILL Native materials 62.93 to 65.5 feet.
						Total depth 65.5 feet.	
						Creosote-like odor and oil sheen observed in soil samples from 32.0 to 62.0 feet.	
70							
80							
90							



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ENVIRONMENTAL SERVICES

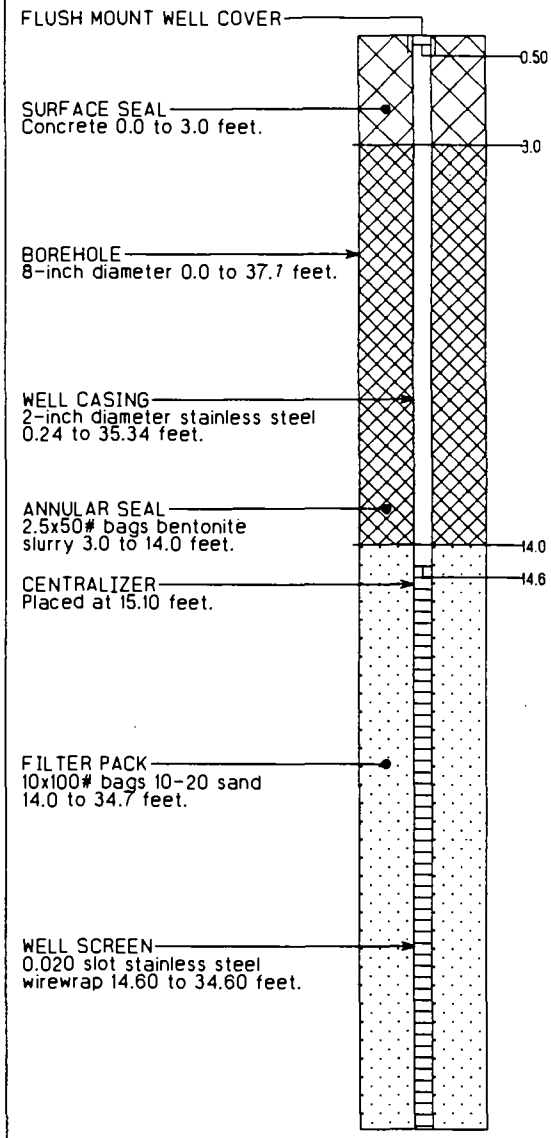
WELL MW-10s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER VARNUM & LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 41.7 FEET
DATE (s) DRILLED FEB 11-12, 1990
COORDINATES 705047.595, 1426374.721
WELL CASING ELEVATION 33.65 FEET
SURFACE PAD ELEVATION 34.15 FEET
TOTAL WELL CASING LENGTH 35.10 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0		100		GM	Silty coarse GRAVEL, brown, moist.
	10.0				SP-SM	Fine to medium SAND with silt and woody material, dark gray, moist.
	6.0					
	4.7		80		ML	SILT with gravel, dark gray, moist, stiff.
					SP-SM	
	0.0					Fine to medium SAND with silt and occasional gravel, dark brown, moist.
10	0.0		70			
	6.7				SP	Fine to medium SAND, gray, moist to wet.
	55.6					
	47.2		60			
	65.0					
	420.0		90			
20	112.0					Water level at 22.21 feet on 3/4/91
					SP-SM	Fine SAND with silt with trace organic material, very dark gray, wet.
	575.0					
30						

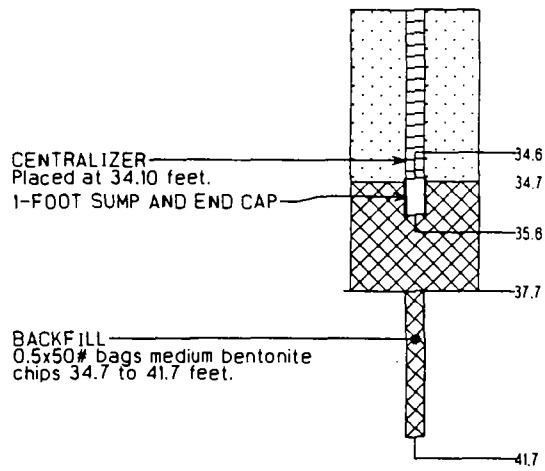
WELL CONSTRUCTION DETAILS



WELL MW-10s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30					SP-SM	
	480.0					
					PT	WOOD and native organic material, wet.
	18.0				MH	Clayey SILT with fine sand and trace organic material, very dark gray, wet.
40						Total depth 41.7 feet.
						Creosote-like sheen observed in soil samples from 1.0 to 41.7 feet.
50						
60						

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

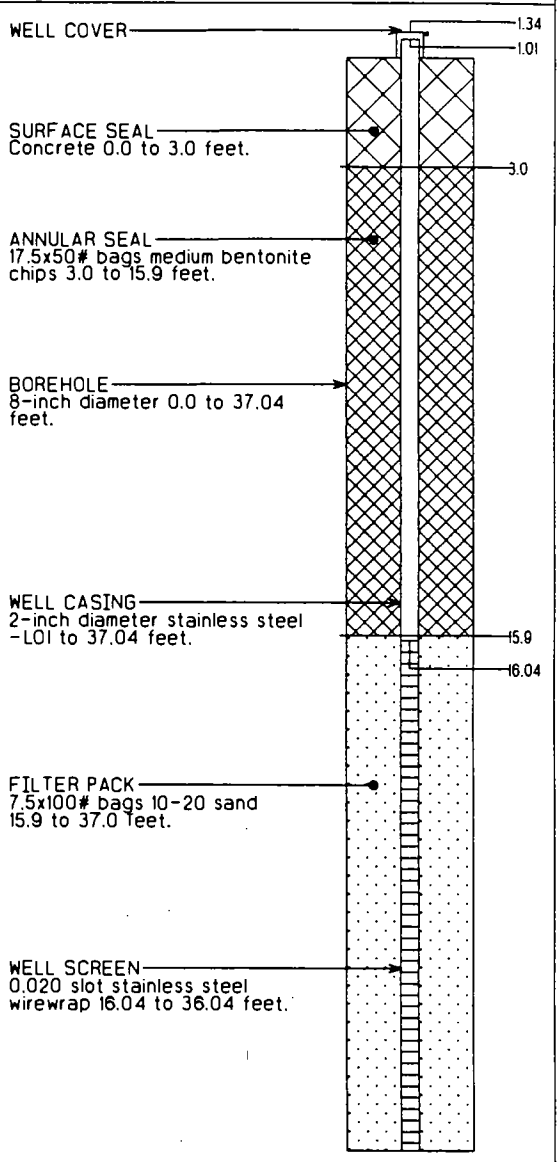
WELL MW-11S

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LIVERMORE & VARNUM
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 46.2 FEET
DATE (s) DRILLED FEB 5-7, 1991
COORDINATES 705038.764, 1426234.251
WELL CASING ELEVATION 35.05 FEET
SURFACE PAD ELEVATION 34.04 FEET
TOTAL WELL CASING LENGTH 38.05 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0					SP-SM	Fine to medium SAND with silt and occasional fine to medium gravel, brown, moist.
	0.0					
	0.0					
	0.0					
10					CON	CONCRETE.
	0.0	X	44		SM	Fine to medium silty SAND with fine gravel and trace organic, material very dark grayish brown, moist to wet.
	0.0	X	64			
20						
	0.0	X	56			Water level at 22.92 feet on 3/4/91 abundant organic material, silt increasing with depth, very dark gray, wet
	0.0	X	50			
30						

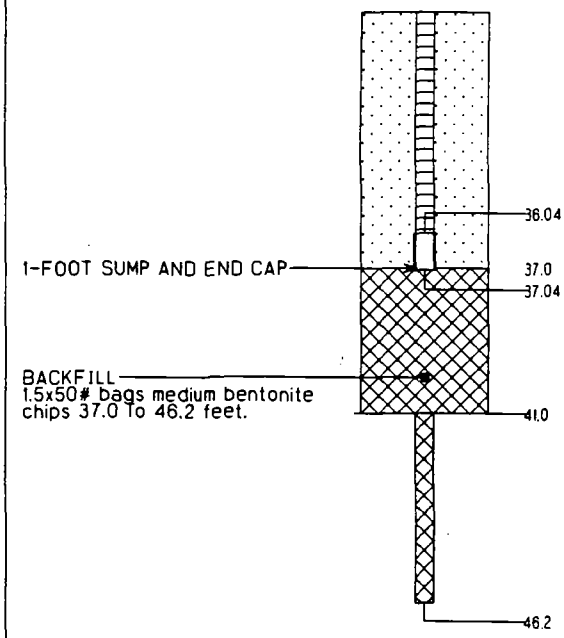
WELL CONSTRUCTION DETAILS



WELL MW-11s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30			50		SM	
40	0.0		65		SM ML	Silty fine to medium SAND with 0.5-inch thick interbeds of silt, very dark gray, wet.
						Total depth 46.2 feet.
						Creosote-like sheen observed in soil samples from 5.0 to 8.0 feet.
50						
60						

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

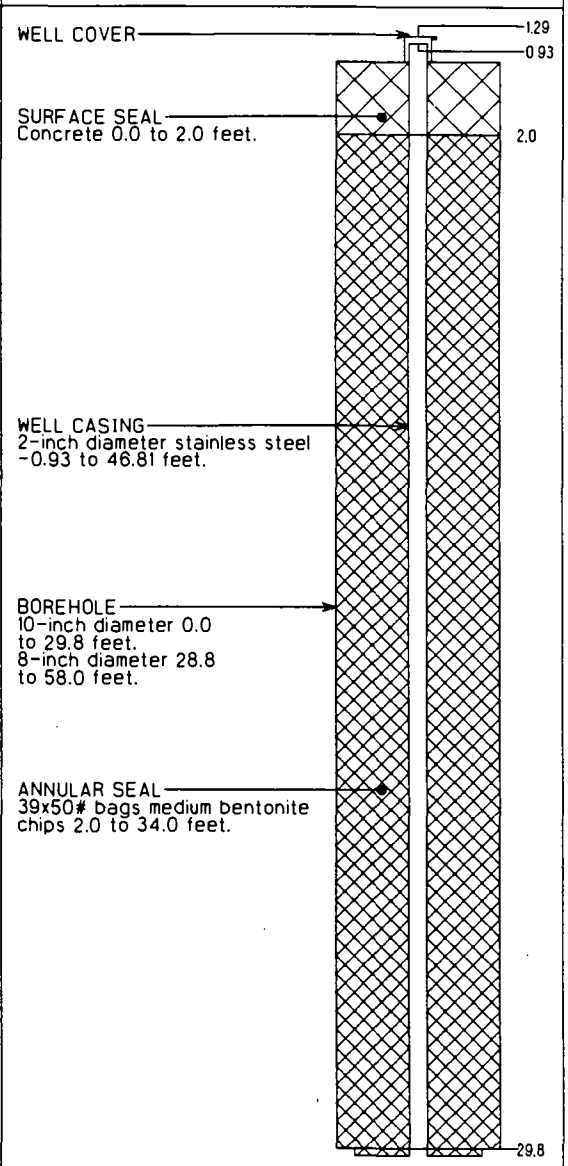
WELL MW-13i

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 58.0 FEET
DATE (s) DRILLED JAN 28-31, 1991
COORDINATES 704767.994, 1426063.578
WELL CASING ELEVATION 34.66 FEET
SURFACE PAD ELEVATION 33.73 FEET
TOTAL WELL CASING LENGTH 47.74 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
						Log of 0.0 to 29.5 feet is from MW-16s.
0					SP	Fine to medium SAND with trace of fine gravel and silt, very dark brown, dry to moist.
10						
20						Water level at 22.59 feet on 3/4/91
	0.0					
30	0.0				ML SM	

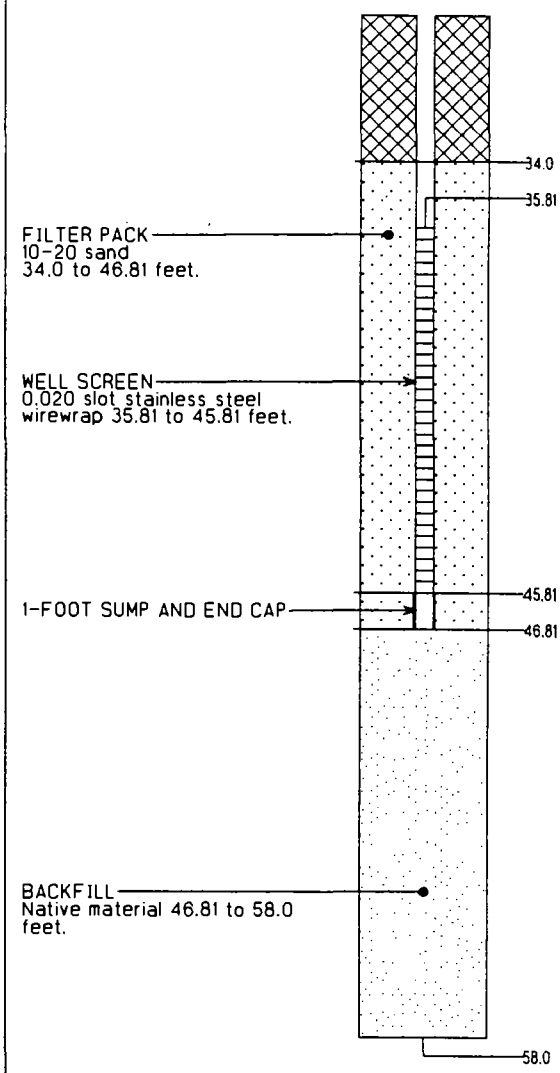
WELL CONSTRUCTION DETAILS



WELL MW-13i

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30	0.0				ML SM	Silty fine SAND with thin interbeds of fine sandy SILT and some thin beds of PEAT, very dark gray.
	0.0	X		X	SP	
	0.0	X		X		Fine to medium SAND with trace silt, gray, wet.
40		X		X		
		X		X		
50	0.0	X		X		
60						Total depth 58.0 feet. Ether-like odor observed in soil samples samples at 36.0 feet and from 52.0 to 55.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

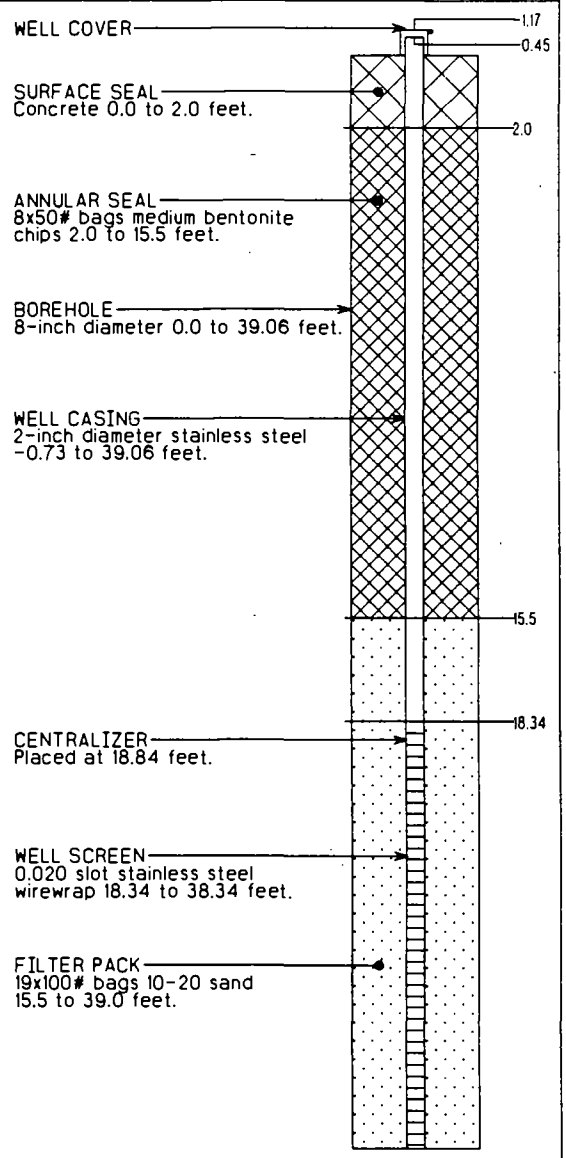
WELL MW-14S

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421603
GEOLOGIST/ENGINEER LIVERMORE & McBETH
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 41.0 FEET
DATE (s) DRILLED NOV 16, 1990
COORDINATES 705271.901, 1426062.643
WELL CASING ELEVATION 34.99 FEET
SURFACE PAD ELEVATION 34.55 FEET
TOTAL WELL CASING LENGTH 39.79 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.6		100		GM / SP	Fine to coarse GRAVEL with silt and occasional woodchips and coarse sand, moist.
	1.9					Fine to medium SAND with trace silt and gravel, very dark brown, dry to moist.
			70			
	0.0					
10			80			
	0.0					
			76		ML / SM / SP	Fine sandy SILT and silty SAND, gray, moist.
	0.0					Fine to medium SAND with trace silt, grayish brown, moist to wet.
20			80			
	30.0					
			64			Water level at 25.00 feet on 1/9/91
	6.0					
30						

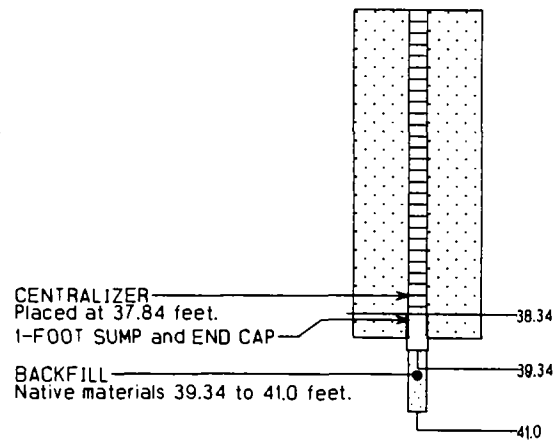
WELL CONSTRUCTION DETAILS



WELL MW-14s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30					SP	heaving sand
	0.0					
		X	80		SM ML	Fine SAND with silt and very fine sandy SILT, very dark gray, wet.
40		X				Total depth 41.0 feet.
						Creosote-like odor observed in soil samples between 23.0 and 24.0 feet.
50						
60						

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

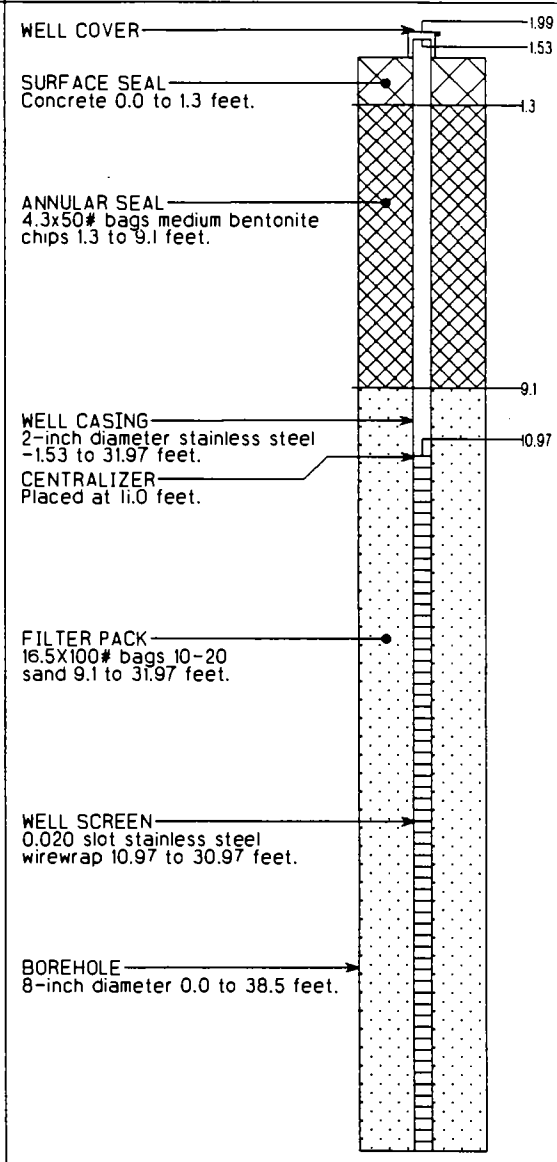
WELL MW-15s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421603
GEOLOGIST/ENGINEER VARNUM & LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 42.5 FEET
DATE (s) DRILLED FEB 1-4, 1991
COORDINATES 705089.889, 1425937.739
WELL CASING ELEVATION 36.44 FEET
SURFACE PAD ELEVATION 34.91 FEET
TOTAL WELL CASING LENGTH 33.50 FEET

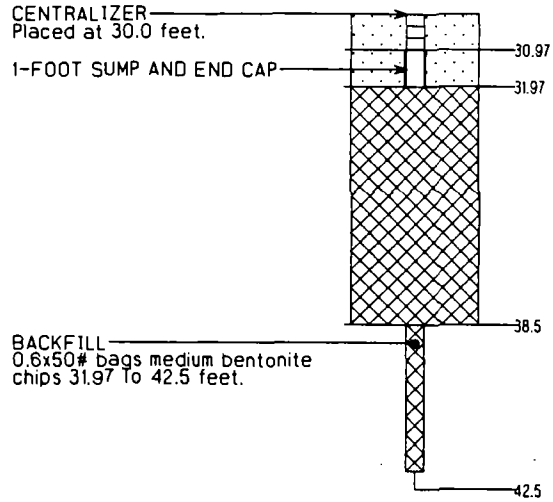
DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0		83		SP-SM	Fine to medium SAND with silt, brown, moist.
	0.0	X	66		SP	Fine to medium SAND, brown, moist.
10	0.0		70			
	0.4	X	70			
	30.0	X	97		SM	Fine to medium SAND with silt, brown, moist.
20	6.0				SP	Fine to medium SAND, gray, moist to wet.
	11.1	X	97			
	3.0					Water level at 25.21 on 3/4/91
	31.0	X	97			
30						

WELL CONSTRUCTION DETAILS



WELL MW-15s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30							
	2.1	X	97		SP		
			97		ML	SILT with trace of fine sand and woody debris, gray, wet.	
40			97				
	0.0	X			SW	Fine to medium SAND with silt, gray, wet. Total depth 42.5 feet. Creosote-like odor and sheen observed in soil samples at 18.0 to 33.0 feet. Sand saturated with creosote-like liquid at 19.0 to 21.5 feet.	
50							
60							



PTI
ENVIRONMENTAL SERVICES

WELL MW-16s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

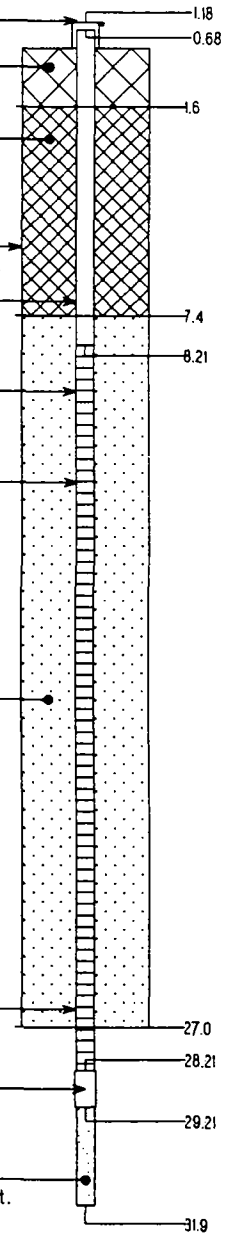
DEPTH OF BORING 31.9 FEET
DATE (s) DRILLED NOV 13, 1990
COORDINATES 704772.703, 1426054.826
WELL CASING ELEVATION 34.44 FEET
SURFACE PAD ELEVATION 33.76 FEET
TOTAL WELL CASING LENGTH 29.89 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0					SP	Fine to medium SAND with trace of fine gravel and silt, very dark brown, dry to moist.
			60			
			76			
	1.2					
10			76			
			80			
20			74			
	0.0					Water level at 22.76 feet on 3/4/91
			70			
	0.0					
30			98		ML SM	Silty fine SAND with thin interbeds of fine sandy SILT and some thin beds of peat, very dark gray.

Total depth 31.9 feet.

Ether-like odor observed at well head between 29.0 and 31.9 feet. Creosote-like sheen observed in soil samples between 30.0 and 31.9 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

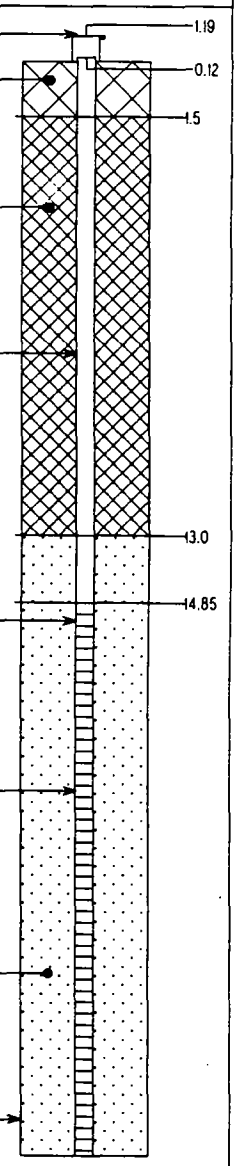
WELL MW-17s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LIVERMORE & LOW
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 41.0 FEET
DATE (s) DRILLED JAN 24-25, 1991
COORDINATES 704920.429, 1425858.687
WELL CASING ELEVATION 35.10 FEET
SURFACE PAD ELEVATION 34.98 FEET
TOTAL WELL CASING LENGTH 35.97 FEET

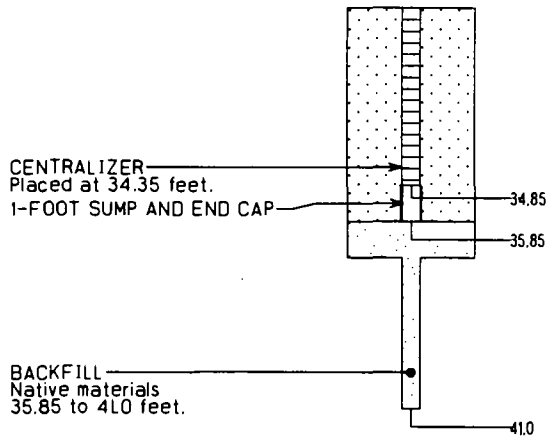
DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0		80		SP	Medium SAND with trace gravel up to two inches in diameter, wood fragments, very dark grayish brown, moist to wet.
	0.0	X	72			
10	0.0		97			
	0.0	X	76			increasing silt, visible bedding
20	0.0		70			
	0.0		80			Water level at 23.89 feet on 3/4/91
	1.6	X				
30	0.0		85			

WELL CONSTRUCTION DETAILS



DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30	0.0		85		SP	heaving sands
	0.0				SP-SM	
	0.0					Fine SAND with silt and abundant wood debris, very dark gray, wet.
40					ML SP	Interbeds of SILT and fine SAND, 0.05 to 0.40 feet thick, dark gray, wet.
						Total depth 41.0 feet.
						Either-like odor observed in soil samples at 24.5 to 26.0 feet and at 39.5 to 41.0 feet.
50						
60						

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

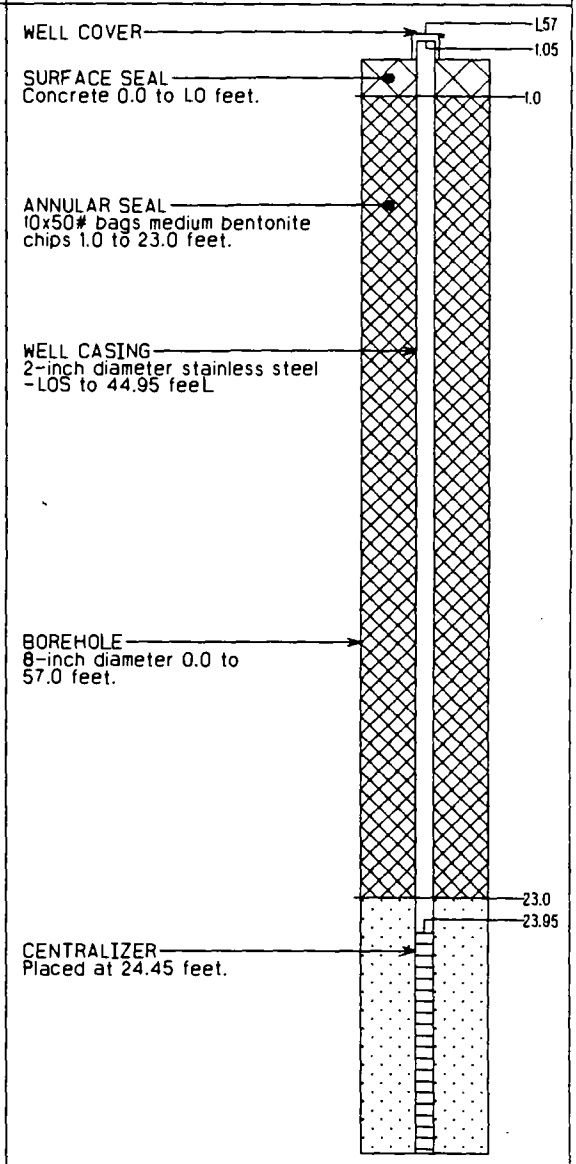
WELL MW-18s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER McBETH & GOODE
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 57.0 FEET
DATE (s) DRILLED NOV 19-20, 1990
COORDINATES 705192.175, 1425631.050
WELL CASING ELEVATION 40.64 FEET
SURFACE PAD ELEVATION 39.59 FEET
TOTAL WELL CASING LENGTH 46.00 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0	X	ee		SP	Medium SAND with trace silt and organic material, very dark gray, moist.
	3.0		70			
		X				
	5.0		76			
10					SW	Medium to coarse SAND with trace silt, dark gray, moist.
		X	56			
20			62			
	0.0					
		X	64			
	0.0		58			
30						

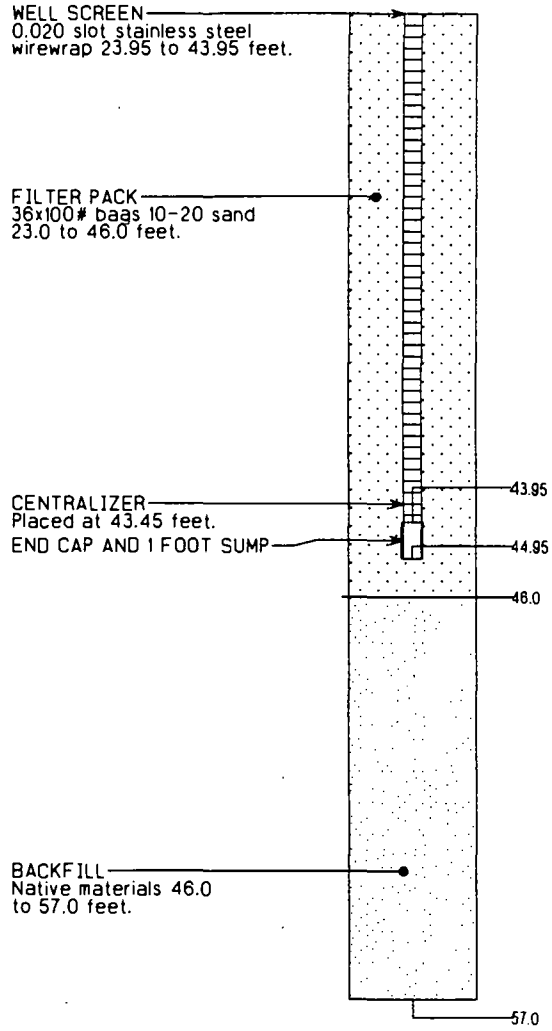
WELL CONSTRUCTION DETAILS



WELL MW-18s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30			58		SW	Water level at 31.88 on 1/9/91
	0.0					grades to coarse SAND, dark brown, wet.
			84			grades to very dark gray
	13.0					
40			16			
						heaving sands 39.0 to 57.0 feet.
50						
						Total depth 57.0 feet.
60						Creosote-like odor and sheen observed in soil samples from 35.0 to 39.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

WELL MW-19s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421603
GEOLOGIST/ENGINEER LIVERMORE & PETERSON
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

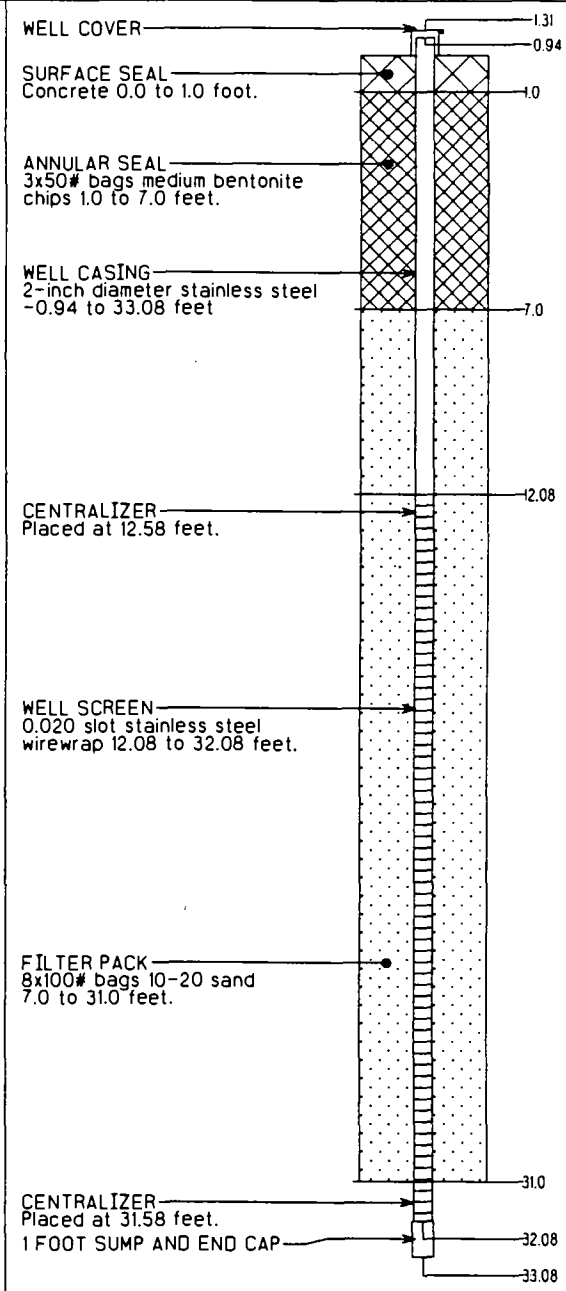
DEPTH OF BORING 33.08 FEET
DATE (s) DRILLED NOV 9-12, 1990
COORDINATES 704881.060, 1426924.281
WELL CASING ELEVATION 33.43 FEET
SURFACE PAD ELEVATION 32.49 FEET
TOTAL WELL CASING LENGTH 34.02 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0	X	83		SW	Medium to coarse SAND with trace gravel and wood chips, dark olive gray gray, dry to moist.
		X	50			
10	0.0	X	78			thinly bedded medium to coarse SAND, dark yellowish brown to dark gray
	0.0	X	74			
20	2.5	X				Water level at 19.38 on 1/9/91
	10.0		70		PT	WOOD chips and shavings, fresh to weathered.
	0.0	X	76		SW	Fine to coarse SAND with trace of silt, very dark gray, wet.
					PT	WOOD chips and shavings, dark brown, wet.
					SP	Fine to medium SAND with wood chips and trace of silt and coarse sand, very dark gray, wet.
30	15.0	X				
	1.5	X	80		ML	SILT and laminated peat with fine roots, dark gray, moderate plasticity.

Total depth 34.0 feeL

Creosote-like odor and oily sheen observed in soil samples from 28.0 to 33.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

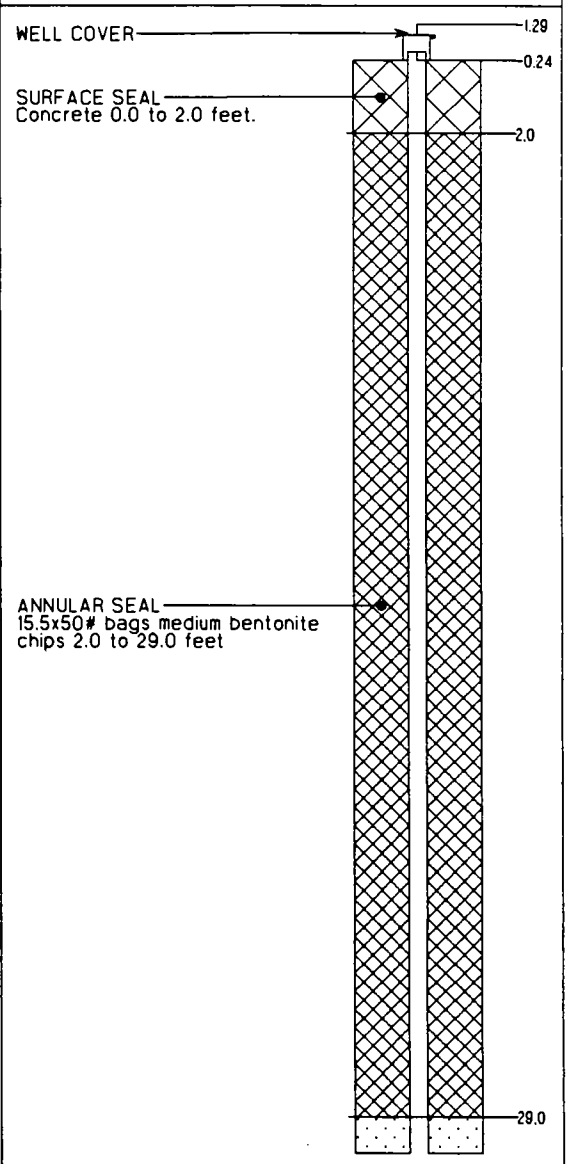
WELL MW-20i

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LIVERMORE & MCBETH
DRILLING CONTRACTOR ESD
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 88.0 FEET
DATE (s) DRILLED DEC 21, 1990 – JAN 3, 1991
COORDINATES 705060.799, 1425556.209
WELL CASING ELEVATION 35.78 FEET
SURFACE PAD ELEVATION 35.54 FEET
TOTAL WELL CASING LENGTH 70.90 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0					SP	Medium SAND with trace silt and coarse sand, very dark brown, moist.
	0.0		70			
10			70			
					SW	Medium to coarse SAND, very dark brown.
			70			coarsening with depth, moist 12.50 to 16.0 feet, dry 16.0 to 20.0 feet.
					SM/ML	Silty medium SAND grading to SILT, very dark gray.
	3.6				SP	Medium SAND with trace gravel and silt, very dark brown, moist below 20.0 feet.
20			66			
	15.6					
	16.0					Water level at 23.87 feet on 3/5/91
			72		SP-SM	Medium SAND with silt and fine gravel, dark to very dark gray, wet.
					SW GW	Medium SAND and coarse GRAVEL, COBBLES, and BOULDERS, very dark gray, wet. heaving sand below 27.5 feet.
30						

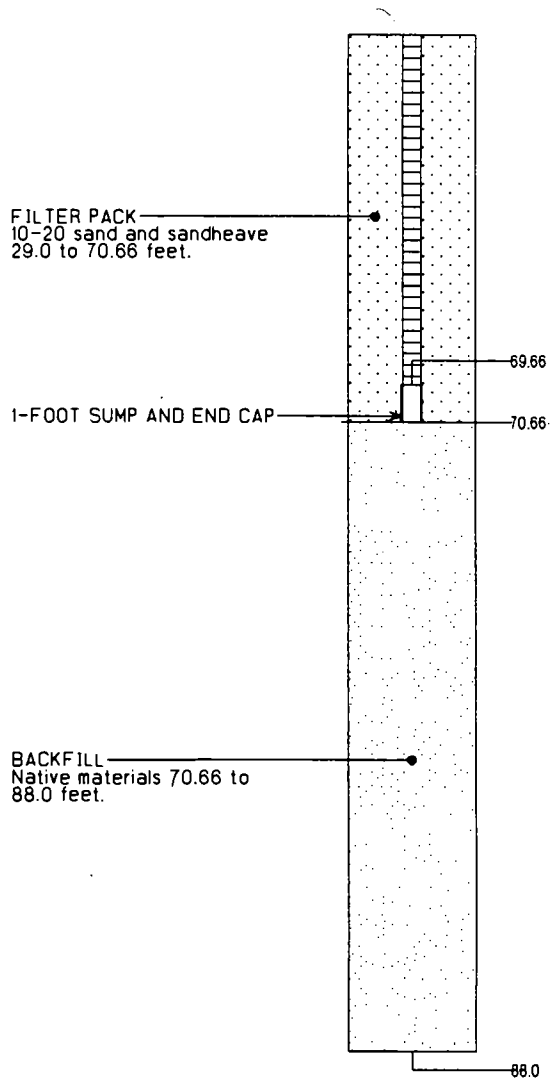
WELL CONSTRUCTION DETAILS



DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30					SW GW		BOREHOLE 8-inch diameter 0.0 to 88.0 feet.
					SP	Fine to medium SAND with trace silt, very dark gray, wet.	
40	17.5	X		X			WELL CASING 2-inch diameter stainless steel -0.24 to 70.66 feet.
50	25.5	X		X			49.66
				X			
	13.5					occasional wood fragments	WELL SCREEN 0.020 slot stainless steel wirewrap 49.66 to 69.66 feet.
60							

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
60					SP	
	0.0			X		
		X		X		
				X		
70						
	0.0			X		
	0.0			X		
	0.0	X		X		
80						
	0.0			X		
		X		X		native wood fragments,
	0.0			X		
	0.0	X		X		Total depth 88.0 feet.
90						Creosote-like odors and oily sheen observed in soil samples from 21.0 to 88.0 feet. Soil samples saturated with creosote-like liquid at 23.0 to 25.0 feet and at 82.0 to 88.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

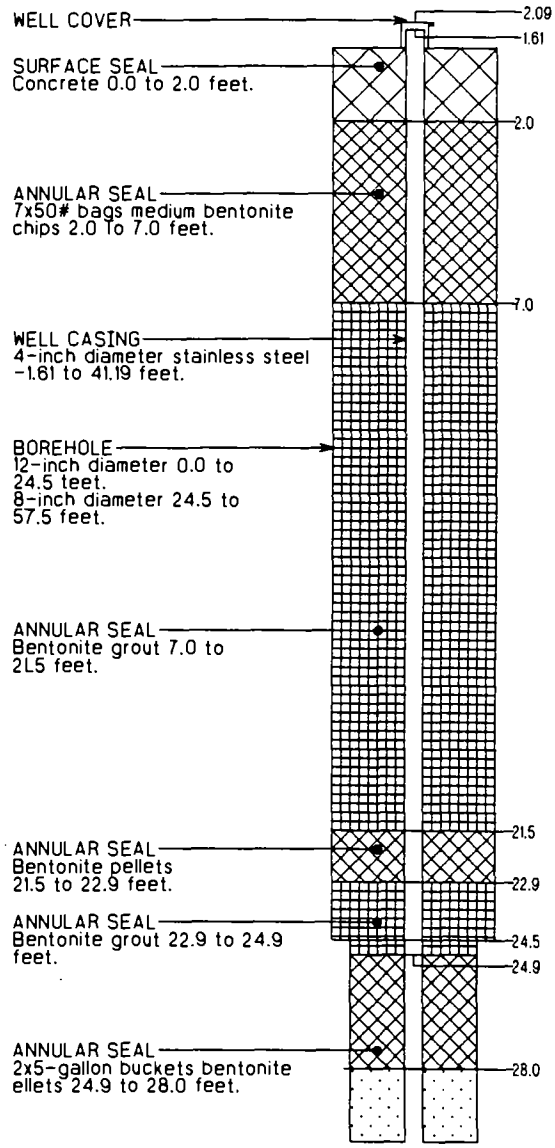
WELL MW-21s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR STACO
DRILLING METHOD CABLE TOOL

DEPTH OF BORING 57.5 FEET
DATE (s) DRILLED JUNE 10-14, 1991
COORDINATES 705062.910, 1425748.850
WELL CASING ELEVATION 38.49 FEET
SURFACE PAD ELEVATION 36.88 FEET
TOTAL WELL CASING LENGTH 42.80 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	1.5		100		ML/PT	Sandy SILT with wood, dark brown, moist.
	11.0		92			WOOD chips with silty sand and minor gravel, orange to dark brown, dry.
	13.0		100		SP	
	13.0	X	80			Fine to medium SAND with trace silt, gravel and roots, dark gray to brown, moist to wet.
	81.0		44			
	88.0		68			
10	108.0	X	60			thin beds (<1-inch thick) of sandy silt at 6.0, 6.4, and 8.5 feet, grades to very dark gray
	103.0		100			
	60.0		86			
	137.0	X	54			
20						
		X	56			
			60		ML/SM	Interbedded fine sandy SILT and silty fine SAND with trace gravel, wood, and organic material, very dark gray, moist.
		X	60			
						Water level at 28.37 feet on 6/25/91
30	44.0		93		SP	

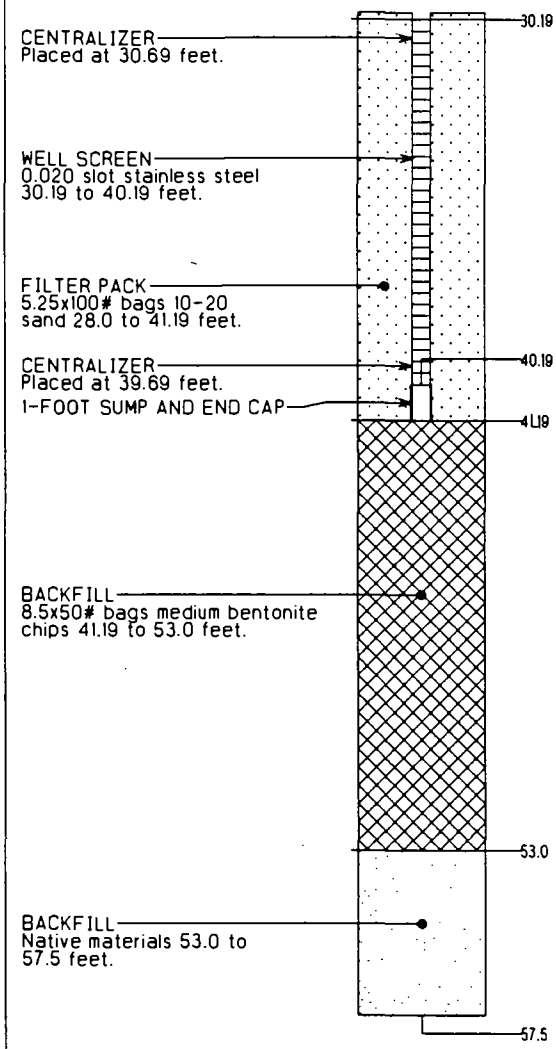
WELL CONSTRUCTION DETAILS



WELL MW-21s

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30			93		SP	Fine to medium SAND with trace silt, coarse sand, and fine gravel, very dark gray.
		X	40			
40			60		SM / SP	Silty fine to medium SAND, very dark gray, wet.
		X	60			Fine to medium SAND with wood fragments and thin gravelly interbeds, becomes siltier with depth, dark to very dark gray.
		X	76			
50			40			
			28			Total depth 57.5 feet.
60						Creosote-like odor and oily sheen observed in soil samples from 3.0 to 46.0 feet. Creosote-like liquid observed in soil samples 8.0 to 12.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

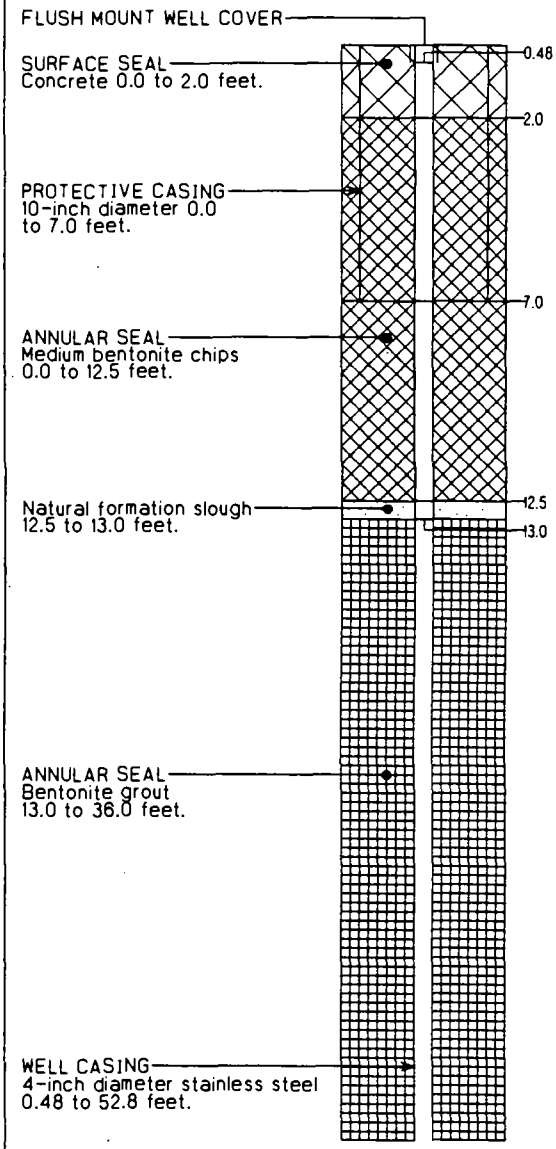
WELL MW-22i

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LOW
DRILLING CONTRACTOR STACO
DRILLING METHOD CABLE TOOL

DEPTH OF BORING 63.5 FEET
DATE (s) DRILLED JUNE 26, 1991
COORDINATES 705046.450, 1426370.950
WELL CASING ELEVATION 33.56 FEET
SURFACE PAD ELEVATION 34.04 FEET
TOTAL WELL CASING LENGTH 52.32 FEET

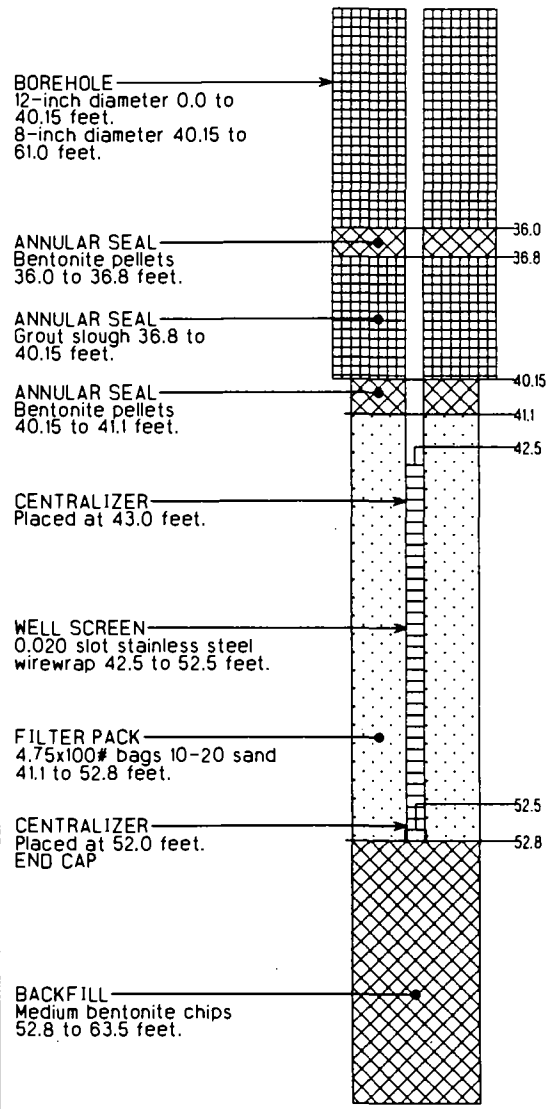
DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
						Log of 0.0 to 32.0 feet is from MW-10s.
0					GM	Silty coarse GRAVEL, brown, moist.
					SP-SM	Fine to medium SAND with silt and woody material, dark gray, moist.
					ML	SILT with gravel, dark gray, moist, stiff.
					SP-SM	Fine to medium SAND with silt and occasional gravel, dark brown, moist.
10					SP	Fine to medium SAND, gray, moist to wet.
20					SP-SM	Fine SAND with silt with trace organic material, very dark gray, wet.
						Water level at 26.87 feet on 7/25/91
30						

WELL CONSTRUCTION DETAILS



DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30					SP-SM	
	45.0		90		PT	Fine to coarse WOOD debris and medium to fine SAND with silt, dark gray, wet.
	66.0		90			
	105.0		81			
	117.0		100		ML	SILT with sandy silt and oily wood, very dark gray, wet.
	38.0	X	100			
40	285.0		100		SP	Fine to medium SAND with trace silt, and occasional thin beds of silt and silty sand, dark gray, wet.
	84.0		48			
	342.0	X				
	261.0		60			
	61.0					
	8.0	X				
50	649.0		72			
	193.0	X				
			80			
	8.0					
		X	100		ML	Fine sandy SILT with wood chips, very dark gray, wet.
	3.0	X	100			
	0.0					
	3.0	X	80			
	0.0					
		X	75			
60	0.0	X	80			

WELL CONSTRUCTION DETAILS



DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
60	0.0		80		ML	Total depth 63.5 feet. Creosote-like odor and oily sheen observed in soil samples as banded zones from 32.0 to 37.3 feet; sheen and odor observed in soil samples from 32.0 to 55.0 feet.	61.0
			92				63.5
70							
80							
90							

PTI
ENVIRONMENTAL SERVICES

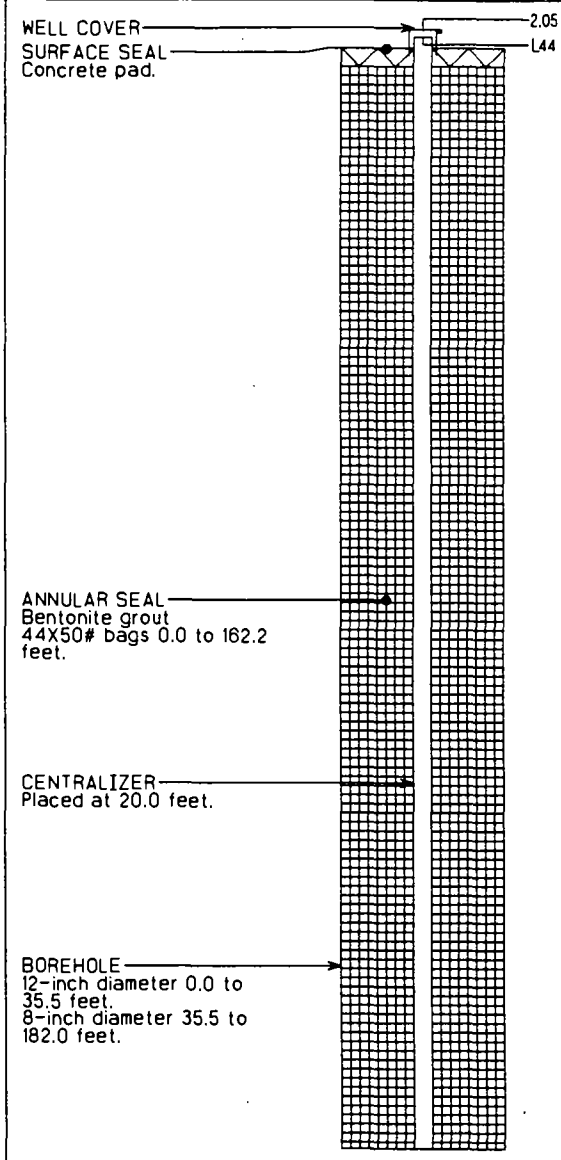
WELL MW-23d

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LIVERMORE & LOW
DRILLING CONTRACTOR STACO
DRILLING METHOD CABLE TOOL

DEPTH OF BORING 182.17 FEET
DATE (s) DRILLED JULY 9-22, 1991
COORDINATES 704946.260, 1426584.640
WELL CASING ELEVATION 34.27 FEET
SURFACE PAD ELEVATION 32.83 FEET
TOTAL WELL CASING LENGTH 183.61 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0					SW	Fine to coarse thinly bedded SAND with trace basaltic gravel, very dark gray to reddish brown, moist.
	0.9	X	84			
	40.0		80			
	37.0		80			
	16.0		40		PT	WOOD chips with minor sand and gravel, dark brown, wet.
	6.0					
10	3.0		60			
	1.0					
	1.0	X	100			
			93			
	4.0		80			
	1.0		72			
	63.0	X	92			
20						
			100			
	28.0		73			
	60.0		52			
	66.0		72			Water level at 27.44 feet on 8/27/91
	46.0	X			SM	
30						

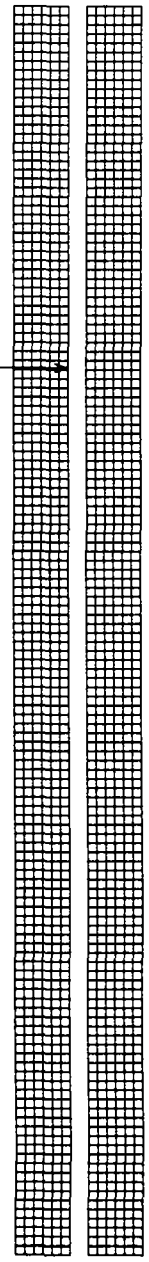
WELL CONSTRUCTION DETAILS



DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
30	10.0	X	86		SM	Very silty fine SAND with trace native wood and thin bed of clean fine sand, very dark olive gray, wet.	
		X			ML	Sandy SILT with trace of native organic material, slight to moderate plasticity, wet.	
	0.0		88				
	0.0						
			100		SM / ML	Silty fine SAND, wet.	
	0.0					Sandy SILT with occasional interbeds of fine sand and occasional wood chips and organic material, very dark gray, wet.	WELL CASING 4-inch diameter stainless steel -L44 to 182.17 feet.
		X	100				
40			100				
	0.0						
			100				
	0.0						
			100				
	0.0	X					
	0.0		100				
			100				
50	3.0						
		X	100				
	0.0						
		X	100				
	3.0						
		X	100				
60						zones with abundant wood chips	

35.5

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
60					ML		
	0.0	X	100				
	0.0	X	100				
70	0.0		100				CENTRALIZER Placed at 70.0 feet.
	0.0	X	100				
	0.0		100				
	0.0		100			thin graded beds of sandy SILT from 67.5 to 85.5 feet.	
	0.0	X	100				
80	0.0		100			wood chips and bark	
	0.0	X	80				
	19.0		80				
	52.0	X	80				
	81.1						
90			53				



DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
90	11.0		53		ML		
	18.0		80				
		X					
	0.0		100				
	0.0	X	100				
	0.0		100				
100	0.0		100				
	0.0		100				
	0.0	X	75				
	0.0		100				
	0.0	X	100				
110	0.0		100				
	0.0		100				
	0.0	X	75		SP	Silty fine SAND, dark gray, wet.	
					ML		
	0.0		100			Sandy SILT, dark gray, wet.	
	0.0		100				CENTRALIZER Placed at 119.0 feet.
120	0.0	X					

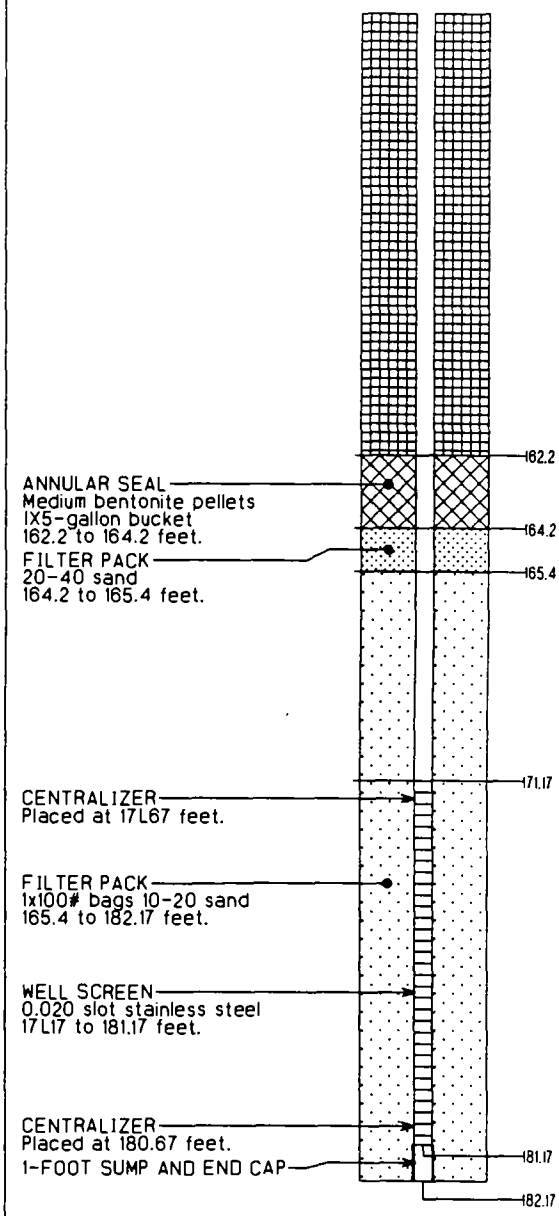
WELL MW-23d

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	WELL CONSTRUCTION DETAILS
120					ML		
			100				
	0.0						
			100				
	0.0						
			75				
	0.0		100				
	0.0		90				
130							
	0.0		75				
			93				
	0.0		86		SP	Silty fine SAND, dark gray, wet.	
			86				
	0.0				ML SP	Thin beds of SILT and fine SAND, dark gray, wet.	
			85				
	0.0						
140			85		ML	Thin bedded SILT with occasional interbeds of silty sand, dark gray, wet.	
	0.0		75				
	0.0		85				
	0.0		80		SP	Silty fine silty SAND, dark gray, wet.	
			95		ML	SILT with thin silty sand lenses, dark gray, wet.	
	0.0						
150			75		SP		

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
150			75		SP	Fine SAND with trace silt, very dark gray, wet.
	0.0		75			
			72			
	0.0		52		ML	SILT, dark gray, wet.
			85		SP	SAND, dark gray, wet.
160					ML	SILT, dark gray, wet.
					SP	Fine to medium SAND, very dark gray, wet.
	0.0					
			90			
	0.0					
			90			
170						water in borehole
			100			
180			77			palagonite-like alteration, quartzite clast, light olive gray
						Total depth 182.17 feet.

Creosote-like odor and oily sheen observed in soil samples from 1.0 to 32.0 feet. Banded zones of creosote-like material from 2.0 to 8.0 feet. Creosote-like liquid observed in soil samples at 25.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

WELL MW-25s

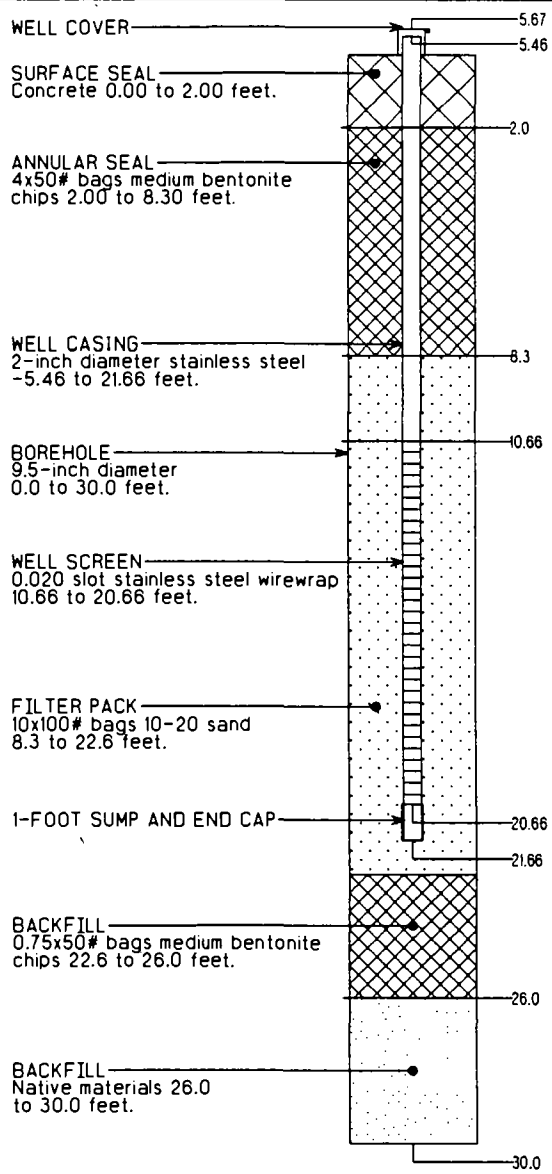
PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LOW & LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 30.0 FEET
DATE (s) DRILLED MAY 13-14, 1991
COORDINATES 704970.240, 1425447.710
WELL CASING ELEVATION 19.42 FEET
SURFACE PAD ELEVATION 13.96 FEET
TOTAL WELL CASING LENGTH 27.12 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0			67		SP	Fine to coarse SAND with minor gravel, occasionally interstratified silty SAND and SILT beds up to 0.5 feet thick, very dark brown, moist to wet.
			67			
			80			
			67			
			67			
			53			
10			0			Water level at 9.78 feet on 6/25/91
	7.4		60			
	0.0		67			
			90			
	0.0		40			
	0.0		67			
	0.0		73			
20	0.0		33			
	0.0		40			
	0.0		67			
	0.0		80			
	0.0		0			
	0.0		73			
	0.0		67			
30						Total depth 30.0 feet.

Creosote-like odor observed in soil samples from 10.5 to 19.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

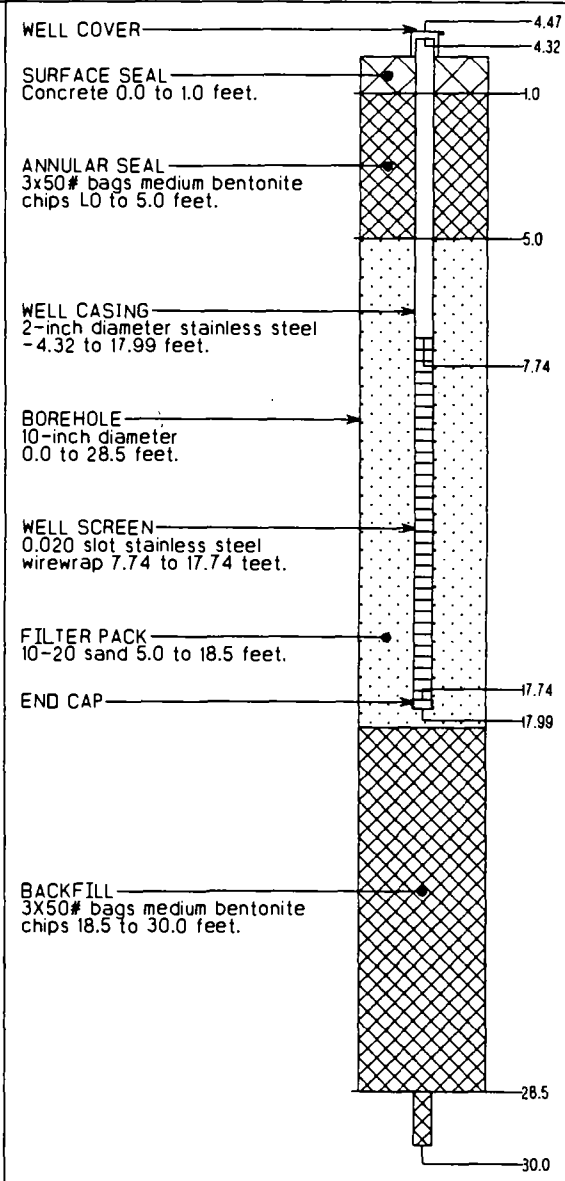
WELL MW-26s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 30.0 FEET
DATE (s) DRILLED JULY 18,1991
COORDINATES 704645.740, 1426373.020
WELL CASING ELEVATION 15.96 FEET
SURFACE PAD ELEVATION 11.64 FEET
TOTAL WELL CASING LENGTH 22.31 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0					SP	
			47			Fine to medium SAND with trace fine gravel, variable silt and native wood content, increasing coarse fraction with depth, dark grayish brown to very dark gray, moist to wet.
	9.0		67			
	0.0		53			
	1.0		60			native wood fragments, grades to very dark gray to black.
	38.0		67			
	103.0		67			Water level at 7.64 feet on 7/25/91
	24.0		67			
10						
	61.0		67			
	346.0		27			
	9.0		67			
			53			
	15.0		50			
20			7			
	2.0		73			
	1.0		67			
	0.0		67			
	0.0		60			
	0.0		73			
	0.0		67			
30						Total depth 30.0 feet.
						Creosote-like odor and oily sheen observed in soil samples from 6.0 to 28.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

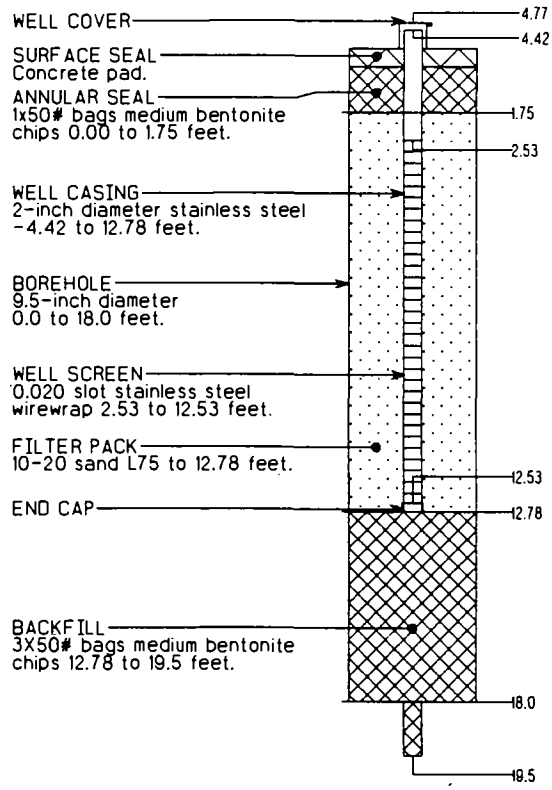
WELL MW-27s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 19.5 FEET
DATE (s) DRILLED JULY 19, 1991
COORDINATES 704598.620, 142460.040
WELL CASING ELEVATION 15.46 FEET
SURFACE PAD ELEVATION 11.04 FEET
TOTAL WELL CASING LENGTH 17.20 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0		73		SP	Fine to medium SAND with trace silt and gravel, very dark grayish brown, moist.
	7.0		60			
	5.0	X	67		SP-SM	Medium SAND with silt, red, moist.
			67		SP	Fine to medium SAND with trace silt and gravel, very dark gray, moist to wet.
	8.0		67			Water level at 7.46 feet on 7/25/91
			67			
10	2.5		67			
	15.0		20			
	2.0		53		ML SW	Interbeds of SILT and fine to medium silty SAND, 0.5 to 1.0 feet thick, occasional wood fragments, very dark gray, wet.
		X	100		PT	fresh WOOD
			100		SW ML	Silty SAND interbeds with sandy SILT, very dark gray, wet.
	LO		60			
	1.0	X	100			
20						Total depth 19.5 feet.
						Creosote-like odor and oily sheen observed in soil samples from 4.0 to 17.0 feet.
30						

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

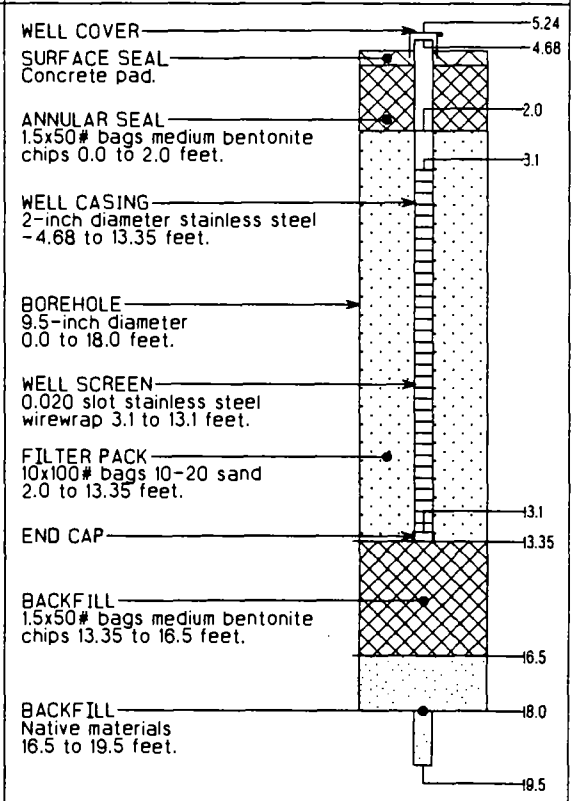
WELL MW-28s

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 19.5 FEET
DATE (s) DRILLED JULY 22, 1991
COORDINATES 704551.660, 1426546.850
WELL CASING ELEVATION 15.70 FEET
SURFACE PAD ELEVATION 11.02 FEET
TOTAL WELL CASING LENGTH 18.03 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0	X	73	◣	SP-SM	Fine to medium SAND with silt and trace gravel, very dark brown to very dark gray, moist to wet.
	0.0	X	73	◣		
	1.0		67	◣		
	0.0		67	◣		
	1.0		73	◣		
	1.0	X	53	◣		Water level at 7.97 feet on 7/25/91
10	0.0	X	53	◣		
			67	◣		
	2.0		67	◣	ML	Moderately plastic SILT with occasional thin silty sand beds and trace natural organic material, very dark gray, wet.
	0.0	X	100	◣		
	0.0	X	100	◣		
	1.0	X	100	◣		
	0.0		100	◣		Total depth 19.5 feet.
20						Creosote-like odor and oily sheen observed in soil samples from 6.0 to 13.0 feet.
30						

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

WELL MW-29s

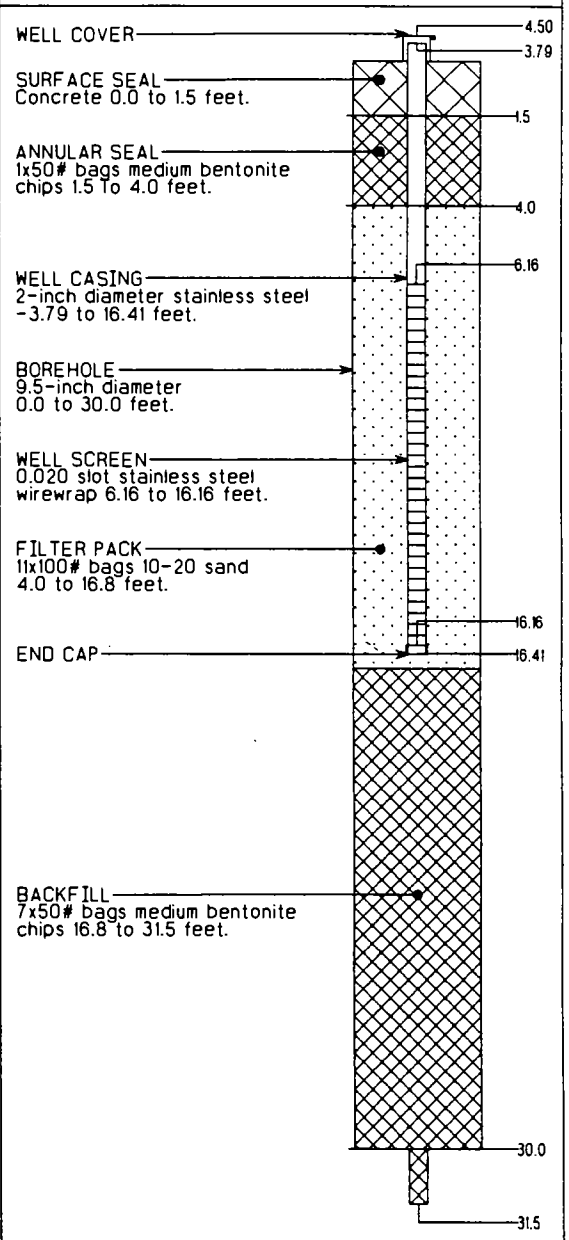
PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 31.5 FEET
DATE (s) DRILLED JULY 23, 1991
COORDINATES 704746.160, 1426245.060
WELL CASING ELEVATION 14.06 FEET
SURFACE PAD ELEVATION 10.27 FEET
TOTAL WELL CASING LENGTH 20.20 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0	X	73	■	SP	Fine to medium SAND with trace silt and fine gravel, very dark grayish brown, moist to wet.
	0.0	X	60	■		
	0.0		60	■		
	10.0		47	■		
	21.0		67	■		Water level of 6.68 feet on 7/25/91
	73.0	X	47	■		
10	287.0	X	53	■		
	200.0		80	■		
	47.0		33	■		
	26.0		40	■	ML SP	SILT and fine to medium SAND interbeds 0.5 to 1.0 feet thick thick, occasional wood fragments, grayish brown to very dark gray, wet.
	125.0		20	■		
	57.0	X	60	■		
	13.0	X	100	■		
	11.0	X	73	■		
20	26.0		40	■	SP-SM	Fine to medium SAND with silt, wood chips and native organic material, very dark gray.
	55.0		40	■		
			40	■		
	14.0	X	67	■		
	11.0	X	87	■		
	9.0		53	■		
30	12.0		67	■		Total depth 31.5 feet.

Creosote-like odor and sheen observed in soil samples 3.0 to 31.5 feet. Saturated with creosote-like liquid at 12.0 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

WELL MW-30s

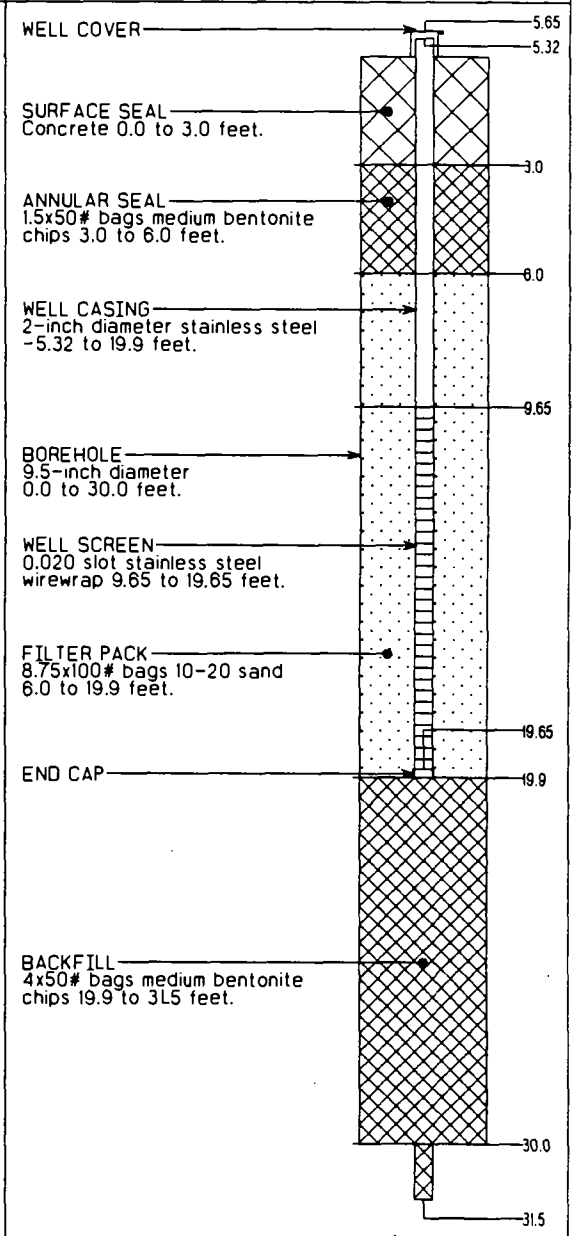
PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 31.5 FEET
DATE (s) DRILLED JULY 24, 1991
COORDINATES 704700.900, 1426304.400
WELL CASING ELEVATION 17.40 FEET
SURFACE PAD ELEVATION 12.08 FEET
TOTAL WELL CASING LENGTH 25.22 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	2.0		33		SP-SM	Fine to medium SAND with silt and organic material, very dark grayish brown, dry to wet.
	2.0	X	60			
			0		PT	WOOD.
	3.0		60		SW-SM	Fine to coarse SAND with silt and gravel, very dark gray, moist to wet.
	40.0	X	53			
	417.0		40			
10	159.0		67			Water level of 9.88 feet on 7/25/91
	58.0		47			
	55.0		47			
	130.0	X	47			
	49.0		47			
	69.0		53			
	48.0		40			
20	72.0	X	67		ML	Sandy SILT with slight to moderate plasticity, very dark gray.
	13.0		80		SP	
	41.0		73			Fine to medium SAND with silt and trace organic material, very dark gray.
	42.0		100			
	5.0	X	60			
	15.0		33			
	12.0		67			
30	3.0		33			Total depth 31.5 feet.

Creosote-like odor and oily sheen observed in soil samples from 3.0 to 30.5 feet.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

WELL MW-31s

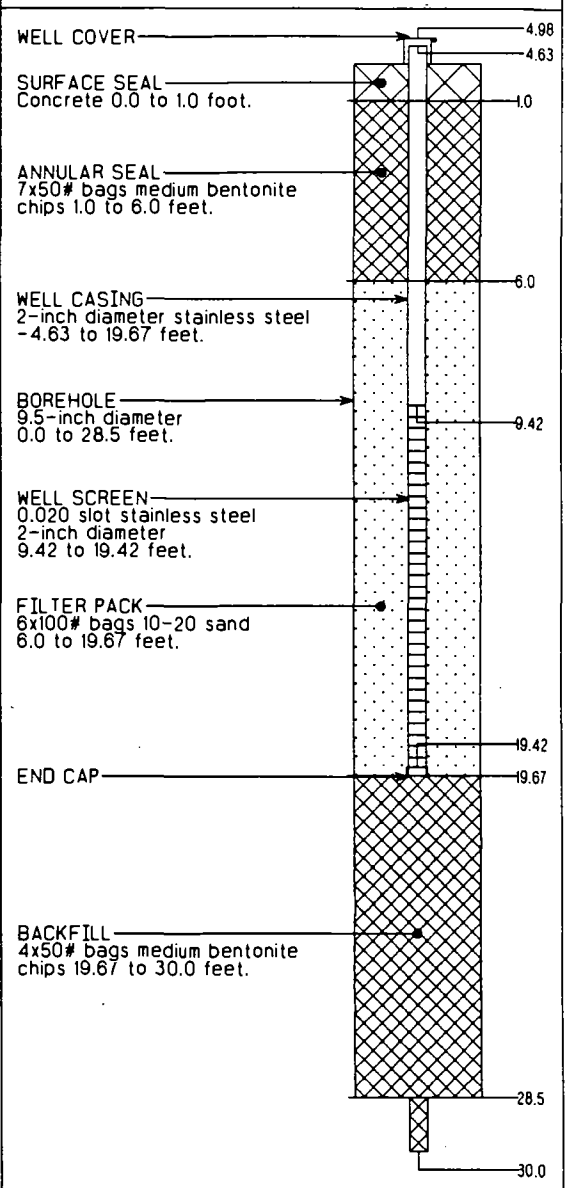
PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 30.0 FEET
DATE (s) DRILLED JULY 29, 1991
COORDINATES 704912.440, 1425558.050
WELL CASING ELEVATION 17.10 FEET
SURFACE PAD ELEVATION 12.47 FEET
TOTAL WELL CASING LENGTH 24.30 FEET

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0	X	100	■	SP-SM	Fine to medium SAND with silt and trace gravel, occasional thin sandy silt interbeds, very dark brown to very dark gray, moist to wet.
	0.0		53	■		
	0.0		67	■		
	1.0		73	■		
	1.0	X	53	■		
	11.0		67	■		
10	0.0		73	■		
	2.0		67	■		Water level of 1L09 on 9/24/91
	1.0	X	67	■		
	1.0		67	■		
	1.0		100	■		
	1.0		100	■		
	1.0	X	73	■		
20	1.0		100	■		
	0.0		100	■		
	1.0	X	100	■		
	0.0		67	■		
	0.0		53	■		
	0.0	X	53	■		
	0.0		20	■		
30						Total depth 30.0 feet.

Creosote-like odor observed in soil samples from 6.0 to 28.0 feet.

WELL CONSTRUCTION DETAILS



Existing Wells and Boreholes

WELL CONSTRUCTION DATA
McCormick & Baxrer Creosoting Co.
Portland Plant

Oate Drilled	MW-A 9/27/83	MW-B 9/27/83	MW-C 9/27-28/83	MW-D 9/25/83
Boring Diameter	7"	7"	7"	7"
Boring Depth	29'	29'	25'	32'
Casing Depth	27'	23'	24'	32'
Casing Diameter	2"	2"	2"	2"
Casing Material	Sch 40 PVC	Sch 40 PVC	Sch 40 PVC	Sch 40 PVC
Perforated Interval	22'-27'	18'-23'	19'-24'	27'-32'
Perforation Thickness	0.02"	0.02"	0.02"	0.02"
Filter Pack Material	1 mm sand	1 mm sand	1 mm sand	I mm sand
Filter Pack Interval	22'-29'	16'-29'	18'-25'	25'-32'
Annular Seal Depth	10'	16'	4'	IS'
Annual Seal Material	Bentonite slurry with 5 sacks cement per yard			

Source: Aqua Resources, Inc.

MW-A SUMMARY BORING
McCormick & Baxter Creosoting Co.
Portland Plant

Depth Below Surface (ft)	Lithologic Description	Soil Classification
0	Brown medium sand; some 1/4-inch gravel	SP
5	Brown medium sand; no gravel	SP
10	Brown medium sand; no gravel	SP
15	Brown medium sand; no gravel; moist at 18 feet	SP
20	Gray-black medium sand	SP
20.5	Gray-black sandy silt with some organics	
23	Black clayey silt on augers	
25	Gray-black medium sand; some lenses/streaks of brown medium sand and gray-black silty fine sand; some organics	SP

Source: Aqua Resources, Inc.

MW-B SUMMARY BORING
McCormick & Baxter Creosoting Co.
Portland Plant

Depth Below Surface (ft)	Lithologie Description	Soil Classification
0	Medium gray-black sand, earth odor	SP
5	Medium gray sand with gravel to 1/2 inch	SP
	Gravelly medium brown sand with 1/4-inch gravel; earthy odor	
10	Gravelly black medium sand	SP
15	Brown medium sand; no gravel	SP
20	Organics—bark and wood chips	PT
25	Organics—bark and wood	PT
25	Clayey silt with organics (bark and wood)	OL

Source: Aqua Resources, Inc.

MW-C SUMMARY BORING
McCormick & Baxter Creosoting Co.
Portland Plant

Depth Below Surface (ft)	Lithologie Description	Soil Classification
0	Brown fine-medium sand	SP
5	Brown fine-medium sand	SP
10	Brown fine-medium sand, moist	SP
15	Brown and black, medium coarse sand; bottom 8 inches saturated (water)	SP
20	Medium sand, saturated	SP

Source: Aqua Resources, Inc.

CVR88/d.4

MW-D SUMMARY BORING
McCormick & Baxter Creosoting Co.
Portland Plant

Depth Below Surface (ft)	Lithologic Description	Soil Classification
0		SP
5	Brown medium sand--dry	SP
10	Brown medium sand--dry, very loose	SP
15	Brown, gray, and white medium sand--dry, very uniform	SP
18	Auger cuttings--medium sand with oily sheen, strong creosote odor	SP
20	Brown, gray, and white medium sand--noist, some creosote odor	SP
25	Brown, medium sand--oily sheen, strong creosote odor	SP
30	Medium sand--saturated with black oil, strong creosote odor	SP

Source: Aqua Resources, Inc.

CVR88/d.3

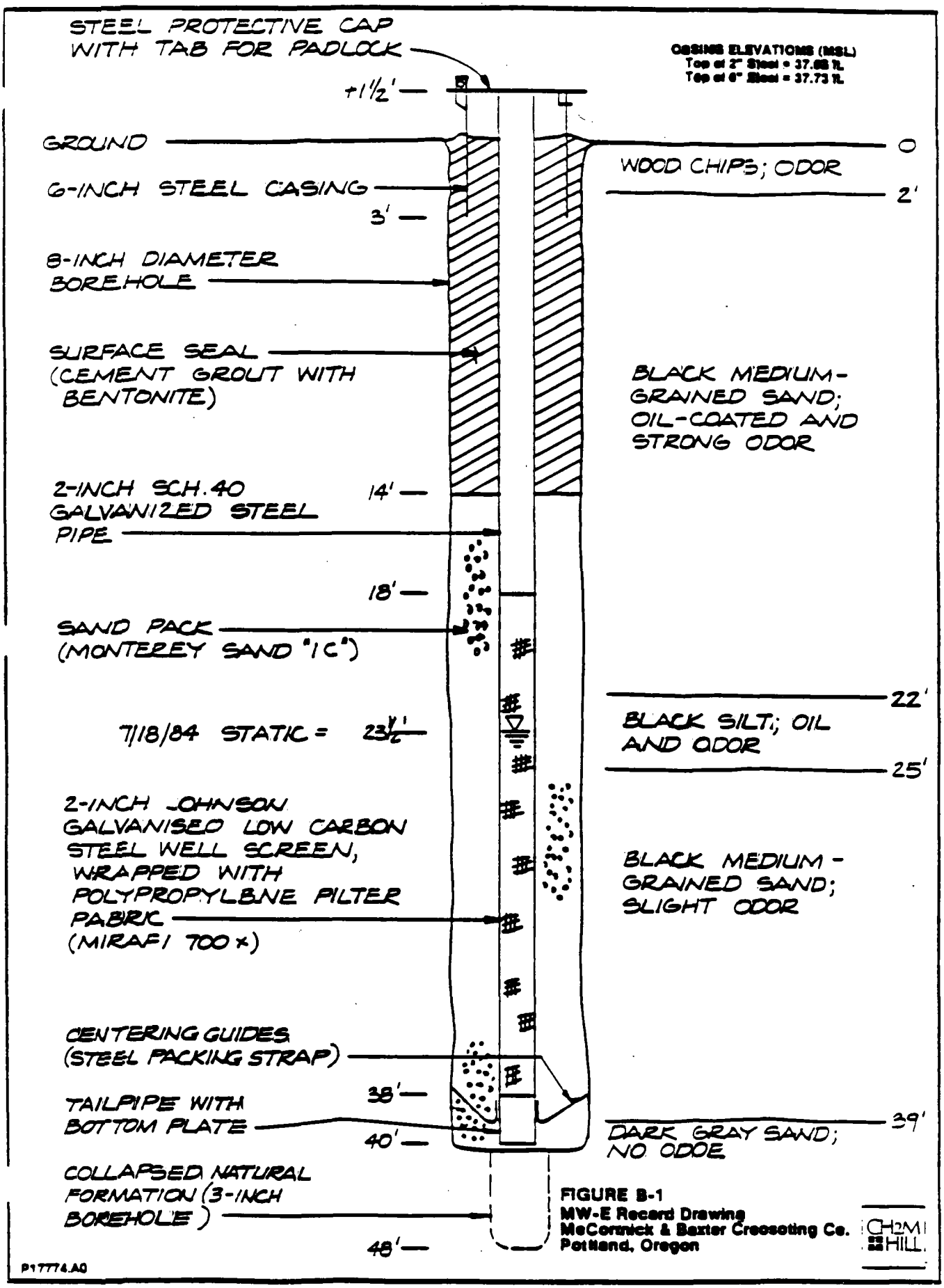


FIGURE B-1
MW-E Record Drawing
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

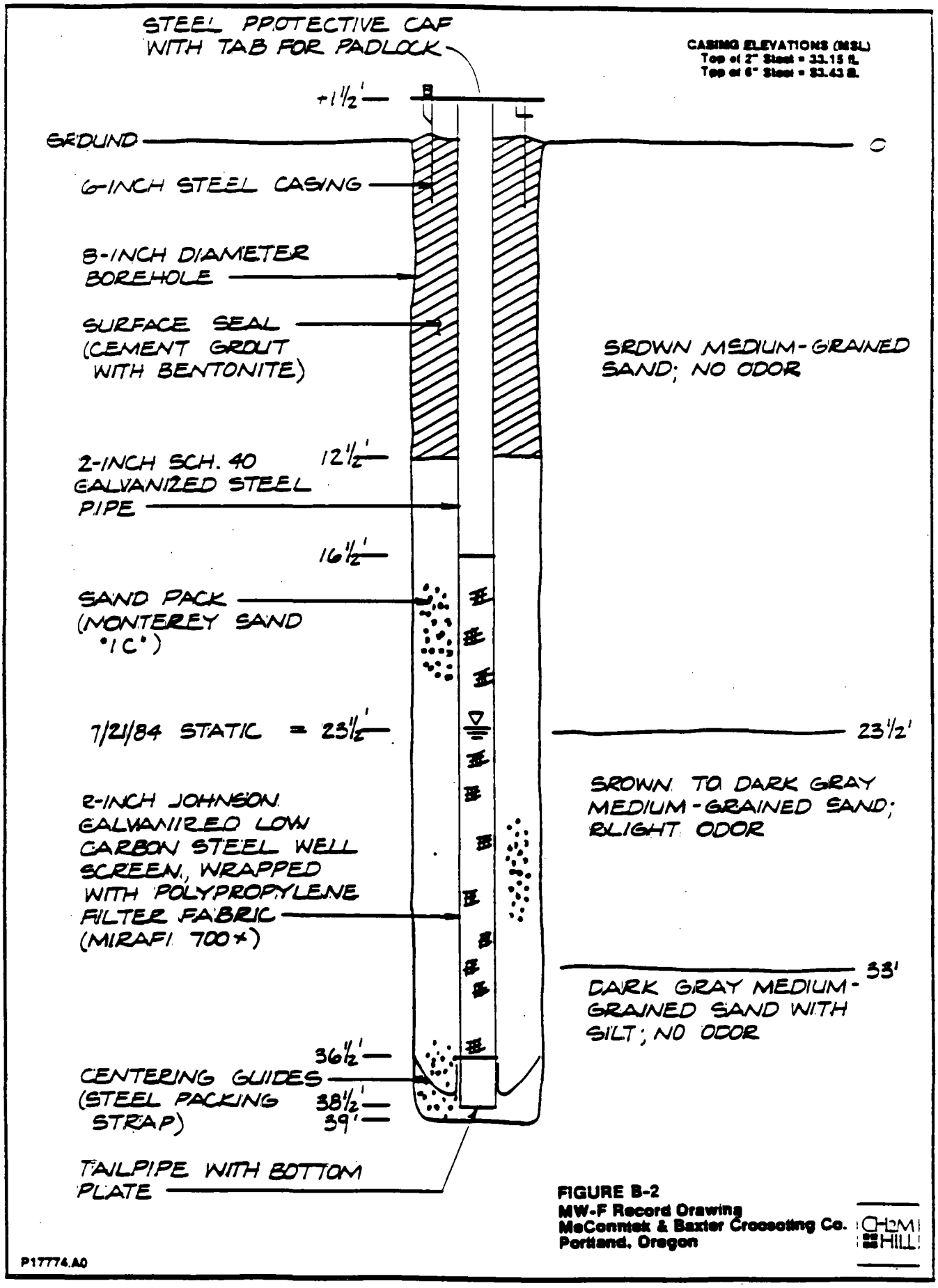


FIGURE B-2
MW-F Record Drawing
McConnisk & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

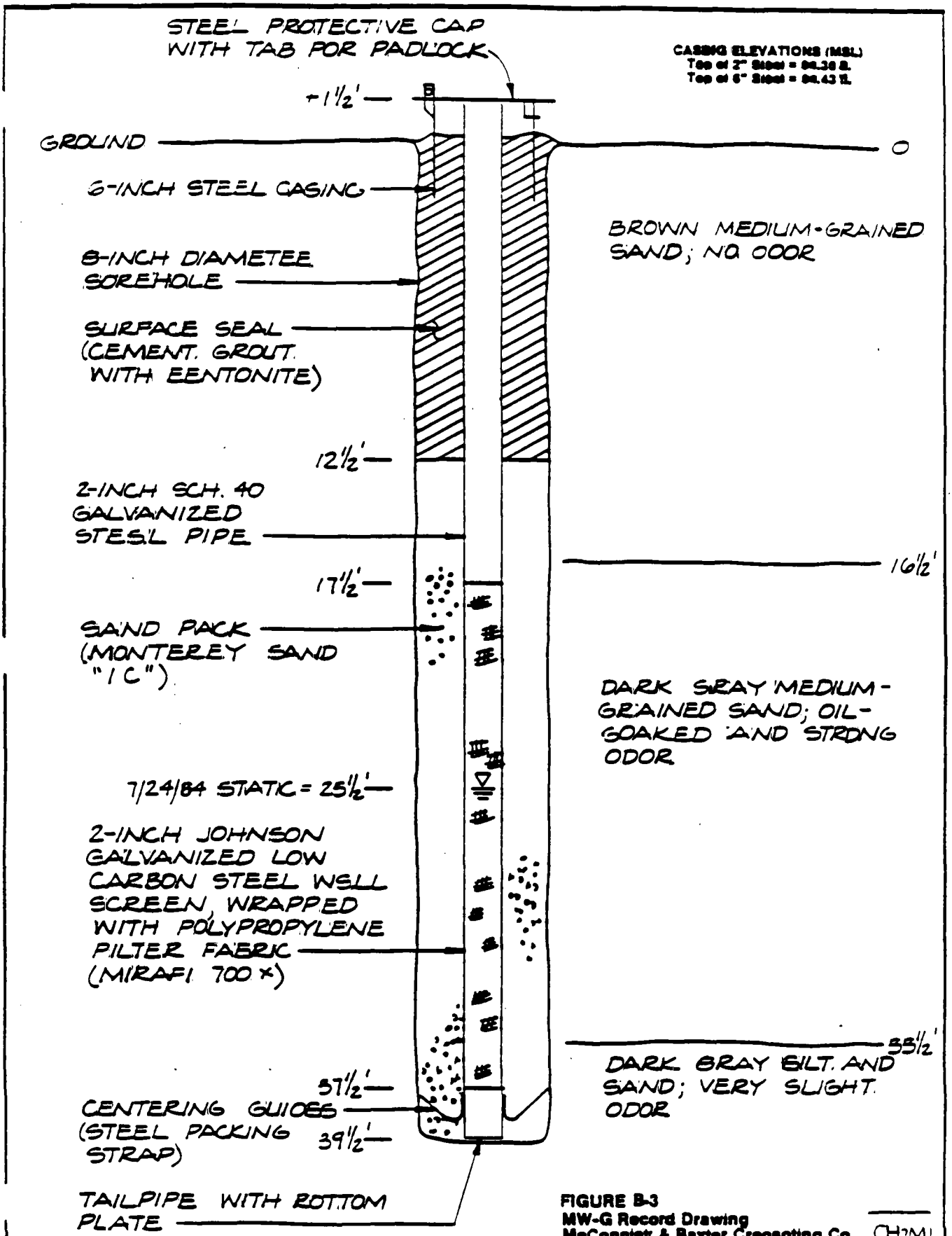


FIGURE B-3
MW-G Record Drawing
McConnick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

P1T774.A0

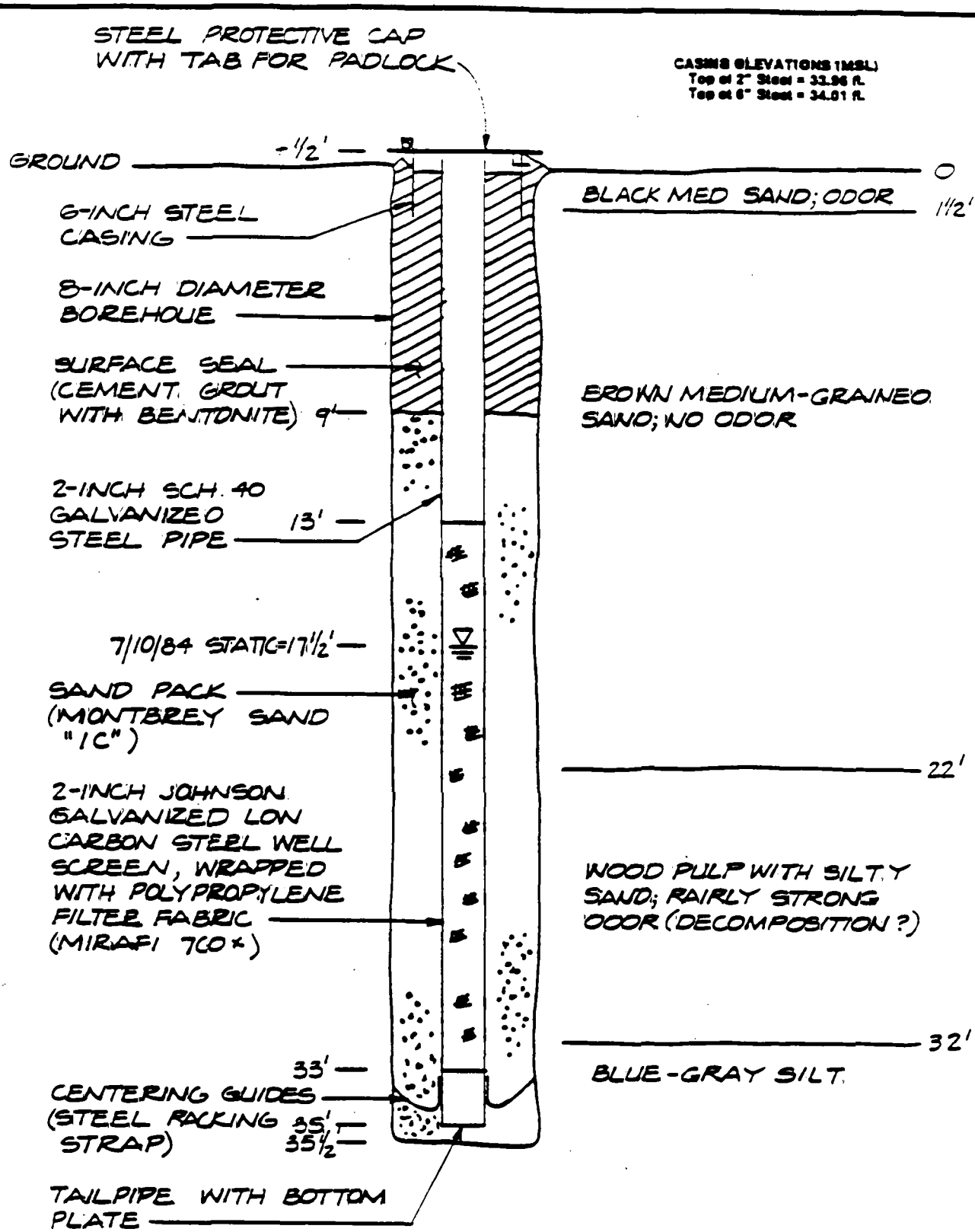


FIGURE B-4
MW-H Record Drawing
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

P17774.A0

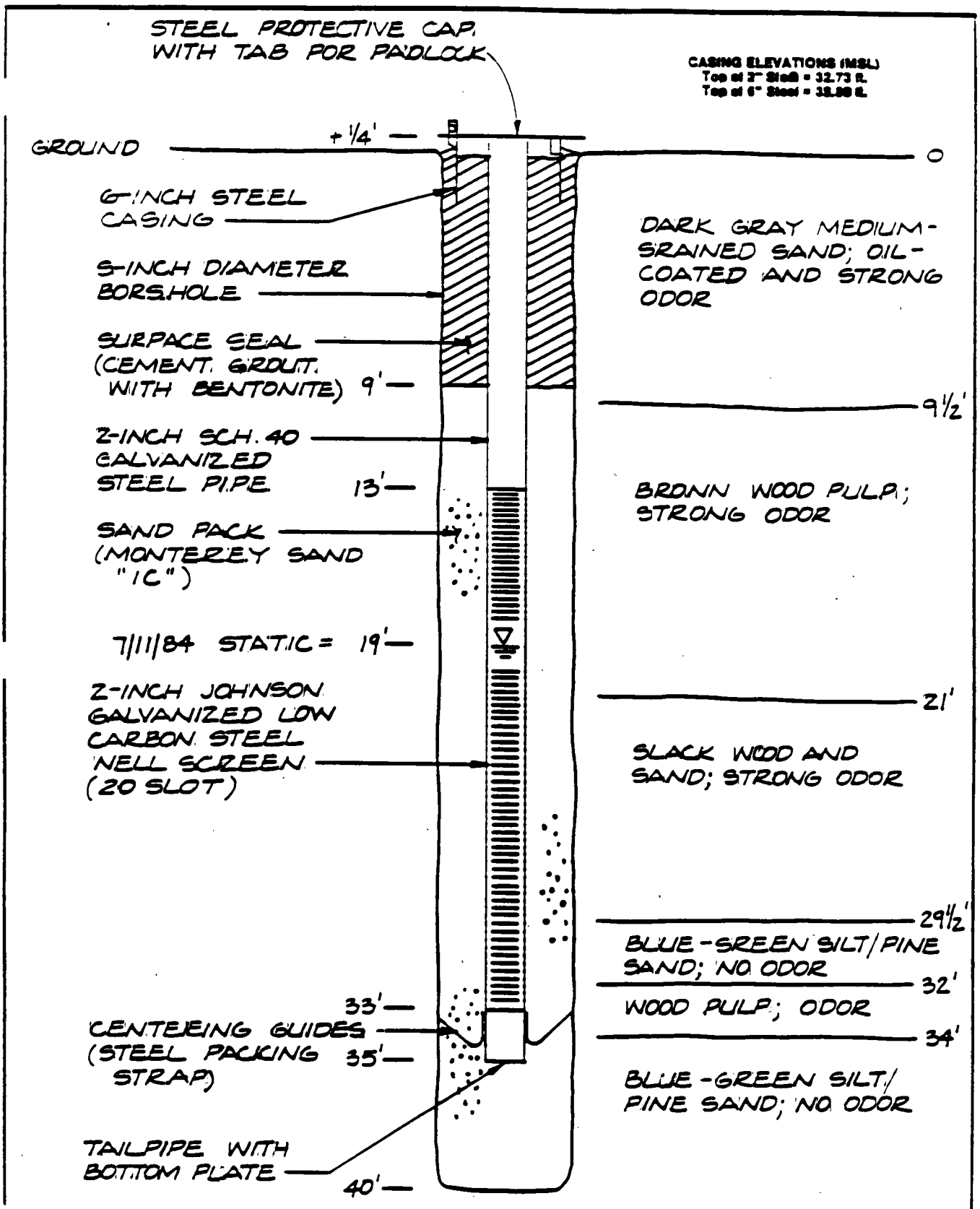


FIGURE B-5
MW-1 Record Drawing
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

P17774.A0

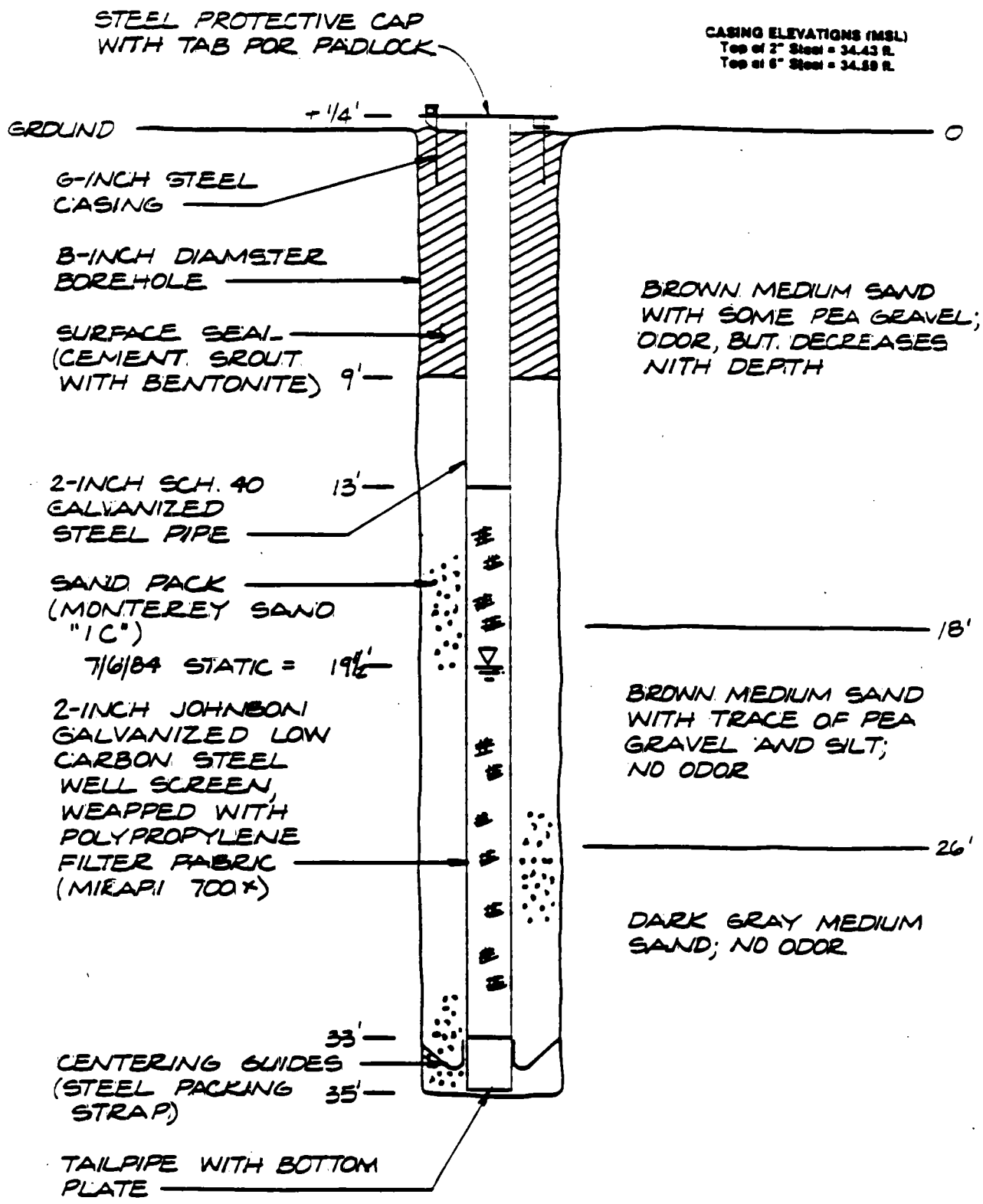


FIGURE B-6
MW-J Record Drawing
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

P17774.A0

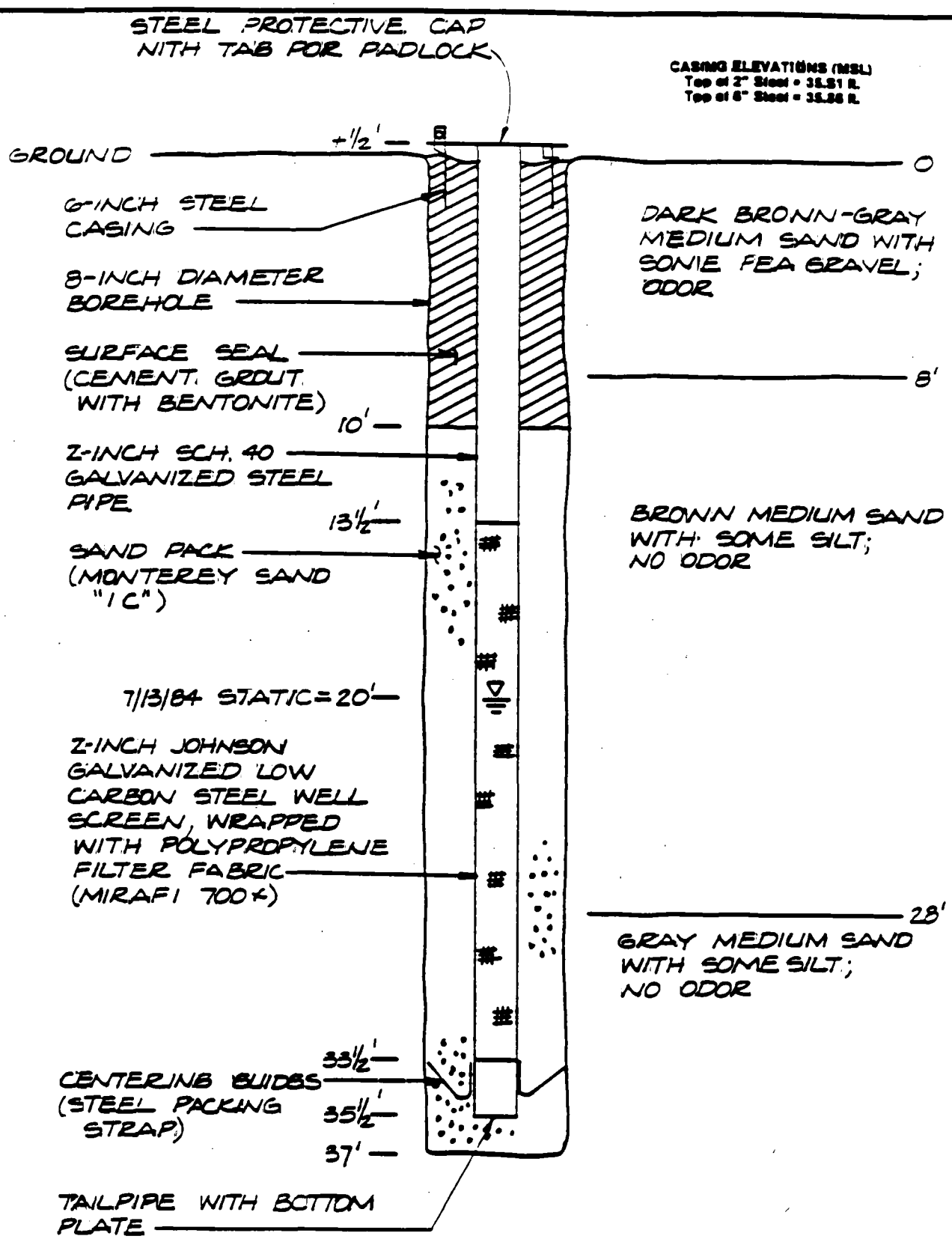


FIGURE B-7
MW-K Record Drawing
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

P17774.A0

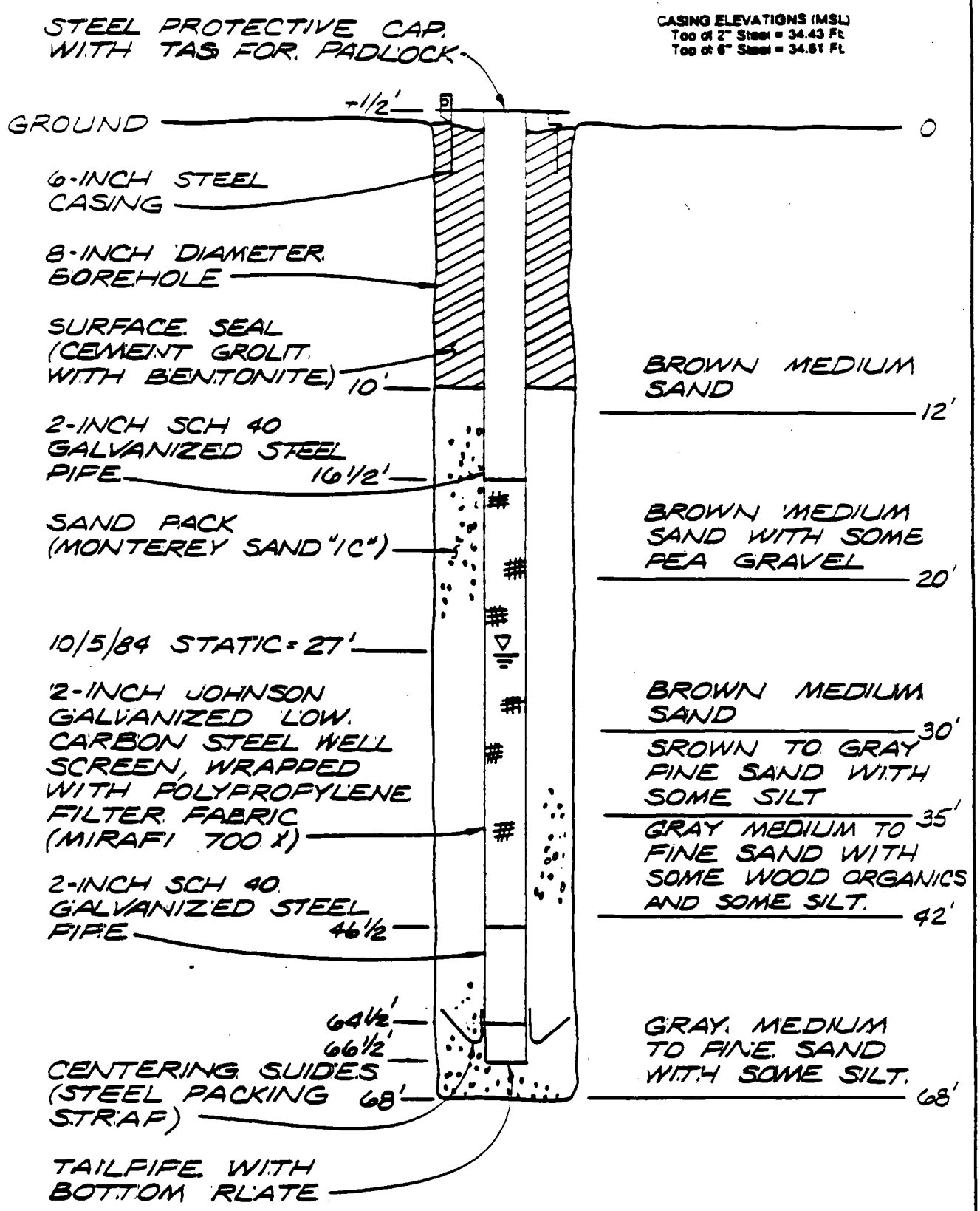


FIGURE B-8
MW-L Record Drawing
McConnick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

RECEIVED
APR 2 0 1991

CH2M HILL

DRAFT

MONITORING WELL GEOLOGIC & CONSTRUCTION LOG

PROJECT NUMBER	WELL NUMBER	
PDX17774.WA	**MW-LR**	SHEET 1 OF 2

PROJECT McCORMICK AND BAXTER — LOCATION PORTLAND, OREGON

ELEVATION, NGVD (Top of PVC Casing) _____ — SURFACE ELEVATION, NGVD _____

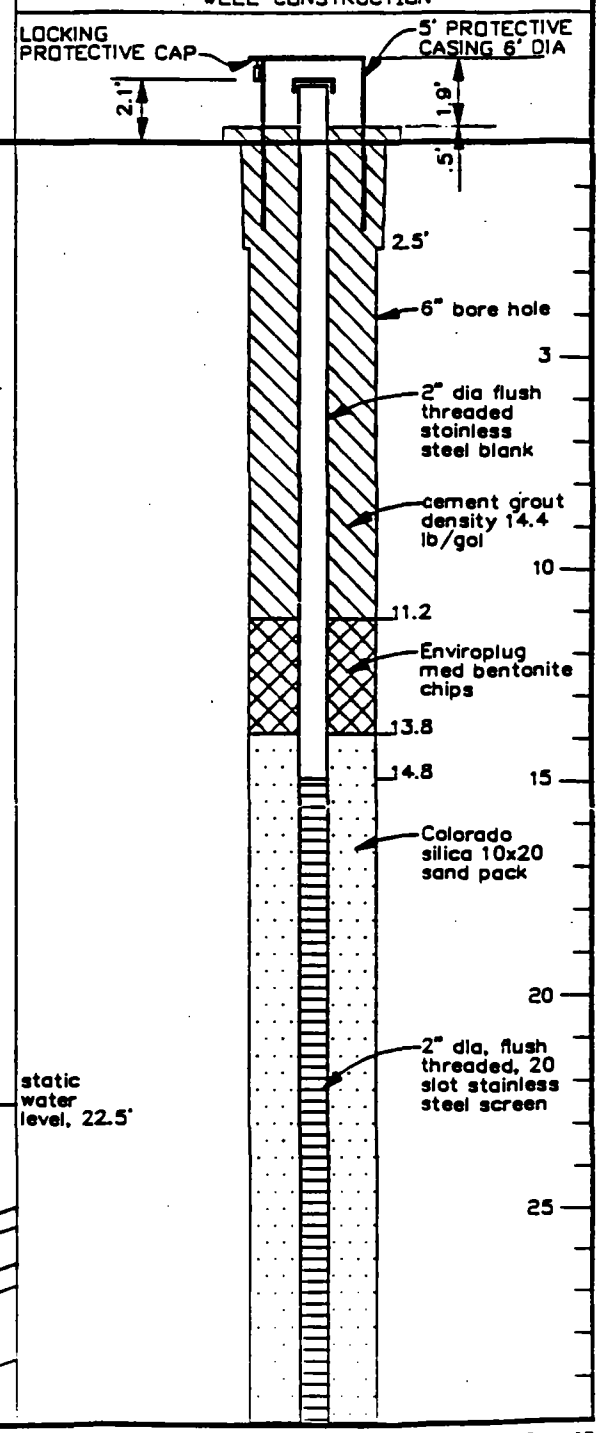
WATER LEVEL ELEVATION, _____ — START DATE 04/04/91

DRILLING CONTRACTOR STACO WELL SERVICES — FINISH DATE 04/06/91

DRILLING METHOD CABLE TOOL

DEPTH (Ft)	SAMPLE NUMBER	SAMPLE Blows (lb hammer) 6"-6"-6"	GEOLOGIC LOG & USCS DESIGNATION	HYDROLOGIC UNIT
			(split spoon sediments were saturated due to addition of water to the hole for drilling purposes)	
5	SS-1	4-6-8	Fill material, sand, med grained, brown, poorly graded, SP, HNu <2ppm jar test	
10	SS-2	3-7-9	Fill material, sand, med grained, brown, <5% rounded pebbles, poorly graded, SP, HNu <1ppm jar test	SP
15	SS-3	4-5-6	Fill material, sand, med grained, brown, 5-15% rounded pebbles, bimodal sorting, SP, HNu <1ppm jar test	
20	B-1		Fill material, sand, med grained, brown, 5-10% rounded pebbles, SP, bailer sample - split spoon sample did not stay in split spoon	
	SS-4	2-4-5	Fill material, sand, med grained, brown, 15% rounded gravel, SP	SP
25	SS-5	4-5-4	Fill material, sand, med, 15% rounded pebbles and gravel, SP layer of silty, sandy material, SM, HNu <1ppm jar test	SM
			27'-gravel layer - pulled out a lot of gravel w/bailer	SP, GM
	SS-6	5-14-15	Fill material, sand, med. brown, no gravel SP, HNu <1ppm jar test	SP
			29' hit dark gray sand-based on bailer cuttings	SM

WELL CONSTRUCTION



MWLF 1-87

DRAFT

MONITORING WELL GEOLOGIC & CONSTRUCTION LOG

PROJECT NUMBER	WELL NUMBER	
POX17774.WA	**MW-LR**	SHEET 2 OF 2

PROJECT McCORMICK AND BAXTER LOCATION PORTLAND, OREGON

ELEVATION, NGVD (TOP of PVC Casing) _____ SURFACE ELEVATION, NGVD _____

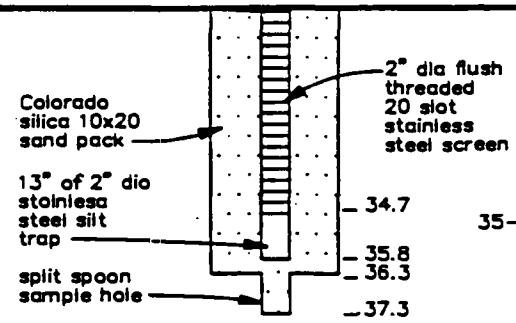
WATER LEVEL ELEVATION, _____ START DATE 04/04/91

DRILLING CONTRACTOR STACO WELL SERVICES FINISH DATE 04/06/91

DRILLING METHOD CABLE TOOL

DEPTH (Ft)	DRIVE SAMPLE NUMBER	DRIVE SAMPLE 450lb HAMMER Blows 6"-6"-6"	GEOLOGIC LOG & USCS DESIGNATION	HYDROLOGIC UNIT
	SS-7	8-5-14	Sand, fine-med grained, dark gray abundant wood, <5% gravel rounded, one large silt clast, dark gray, slight odor, SM, HNu 2ppm jar test	SM
	SS-8	19-14-15	Sand, med grained, brown, 32.4'-32.6', silty sandy, w/gravel-contact to dark gray fine - med sand at 32.6' common wood, SP, HNu 4ppm jar test	SP
35	SS-9	--	35'-35.5' Silty, Sandy Gravel, GM, dark gray saturated, 35.5'-35.9' Silt, dark gray, plastic, ML, saturated	GM / ML
	SS-10	2-4-6	Silt, dark gray, saturated, ML	
40			-total boring depth 37.3 ft -well screen interval = 14.8 to 34.7 ft -well length 37.9 ft	
45				
50				
55				

WELL CONSTRUCTION



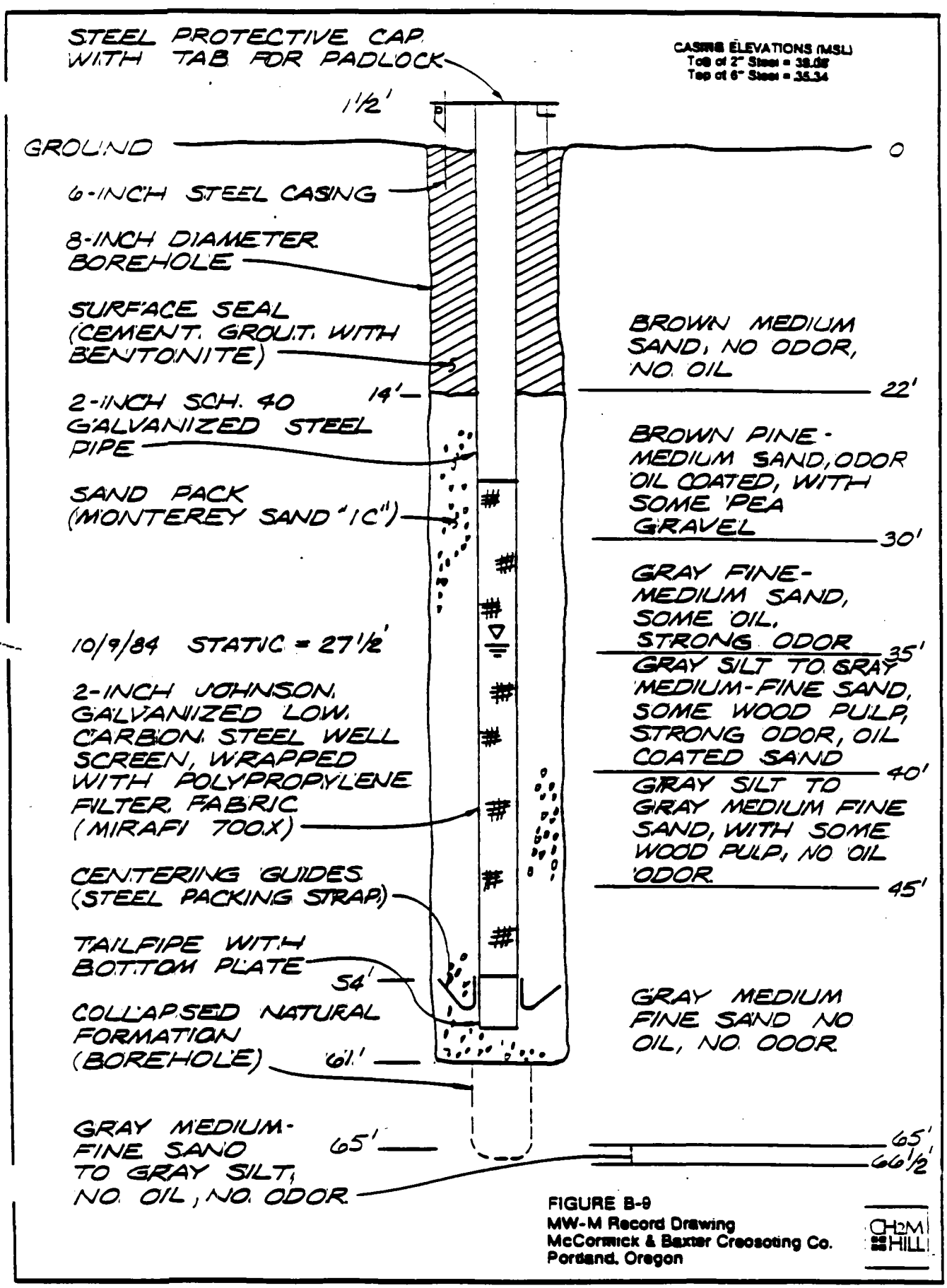


FIGURE B-9
MW-M Record Drawing
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

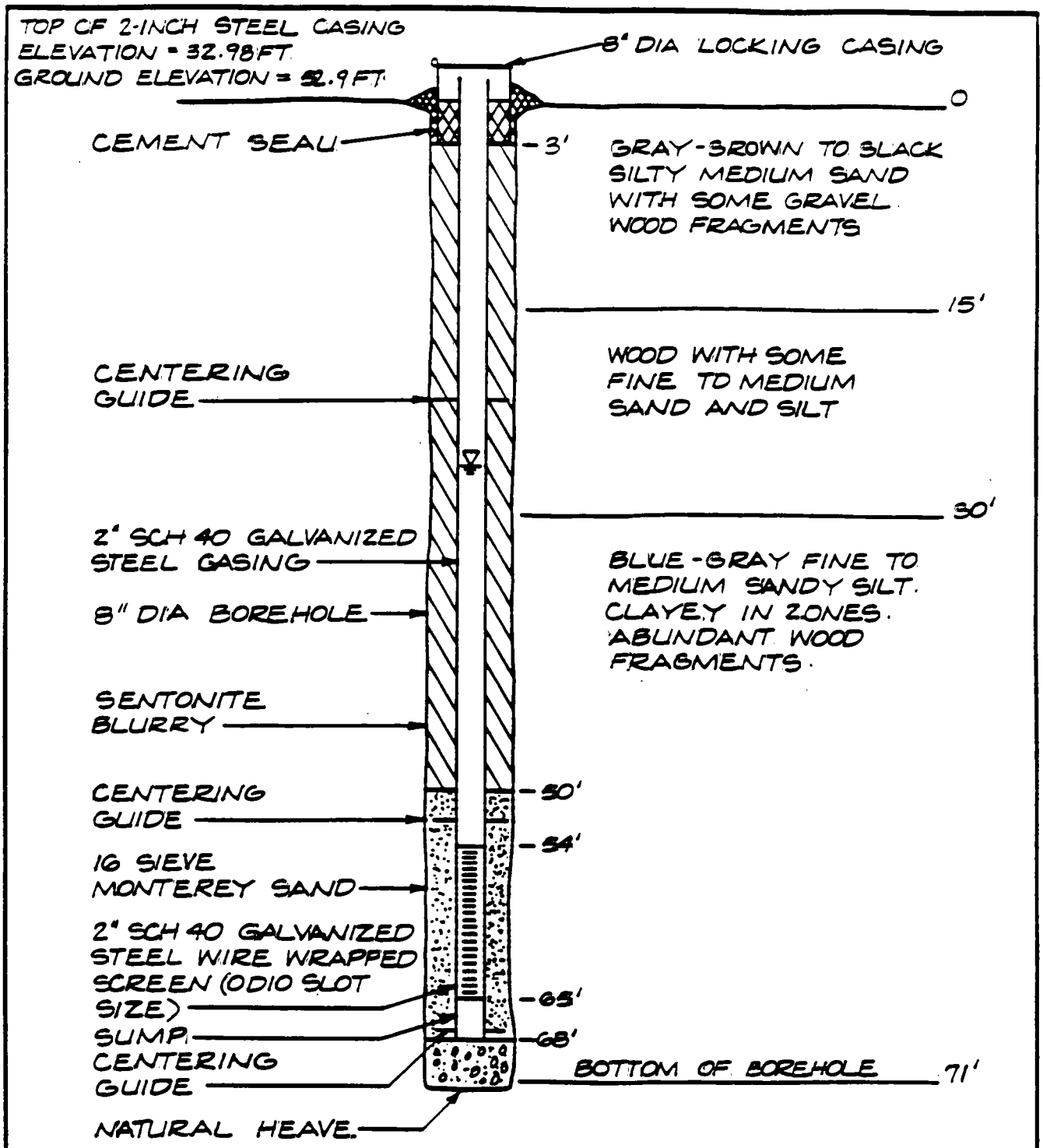
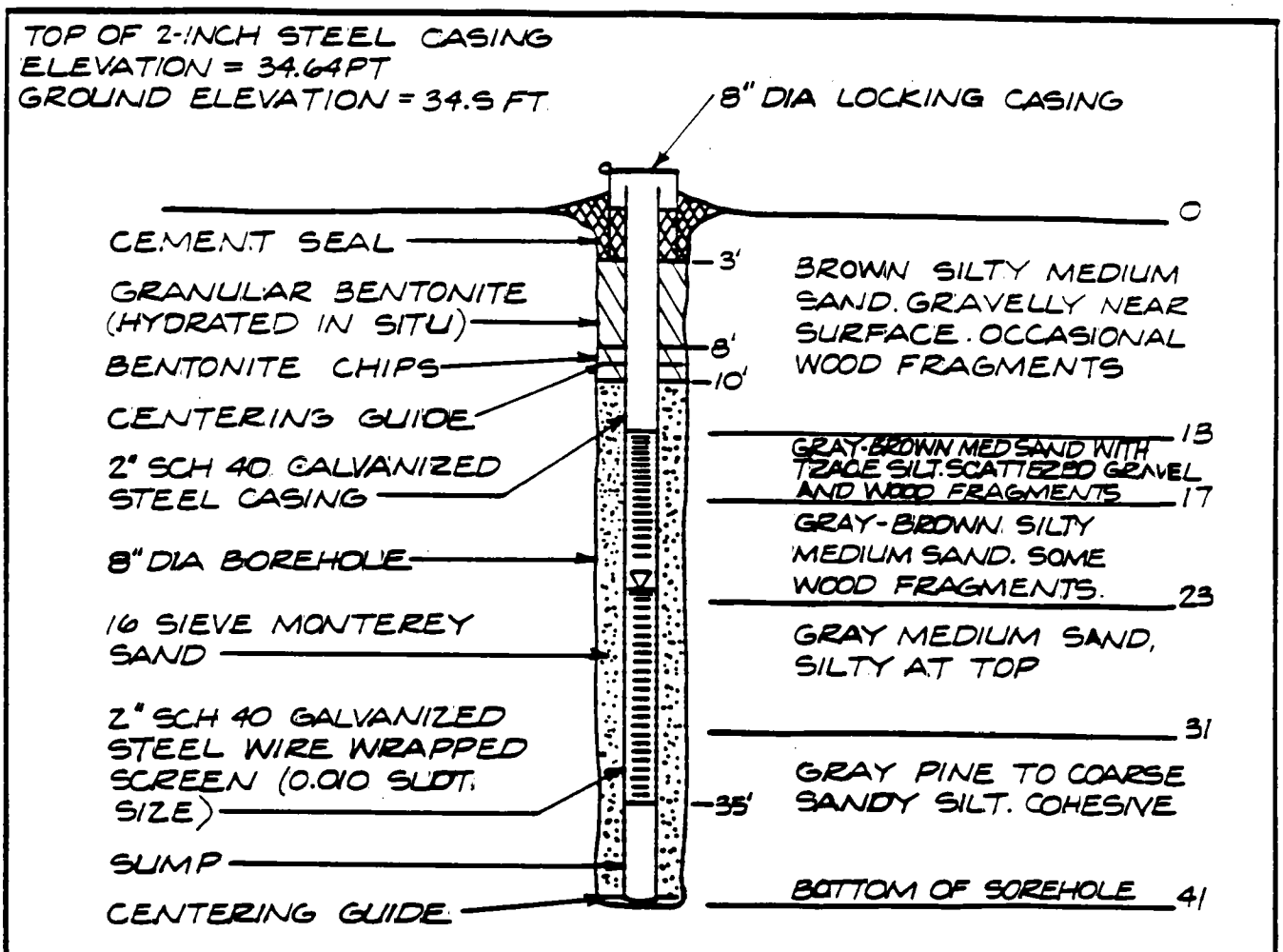


FIGURE A-1
MW-N RECORD DRAWING
McCormick & Baxter
Creosoting Company
Portland, Oregon

CH2M HILL



DEPTH TO WATER = 22.52 FT
8/1/85

FIGURE A-2
MW-O RECORD DRAWING
McCormick & Baxter
Creosoting Company
Portland, Oregon

CH2M HILL

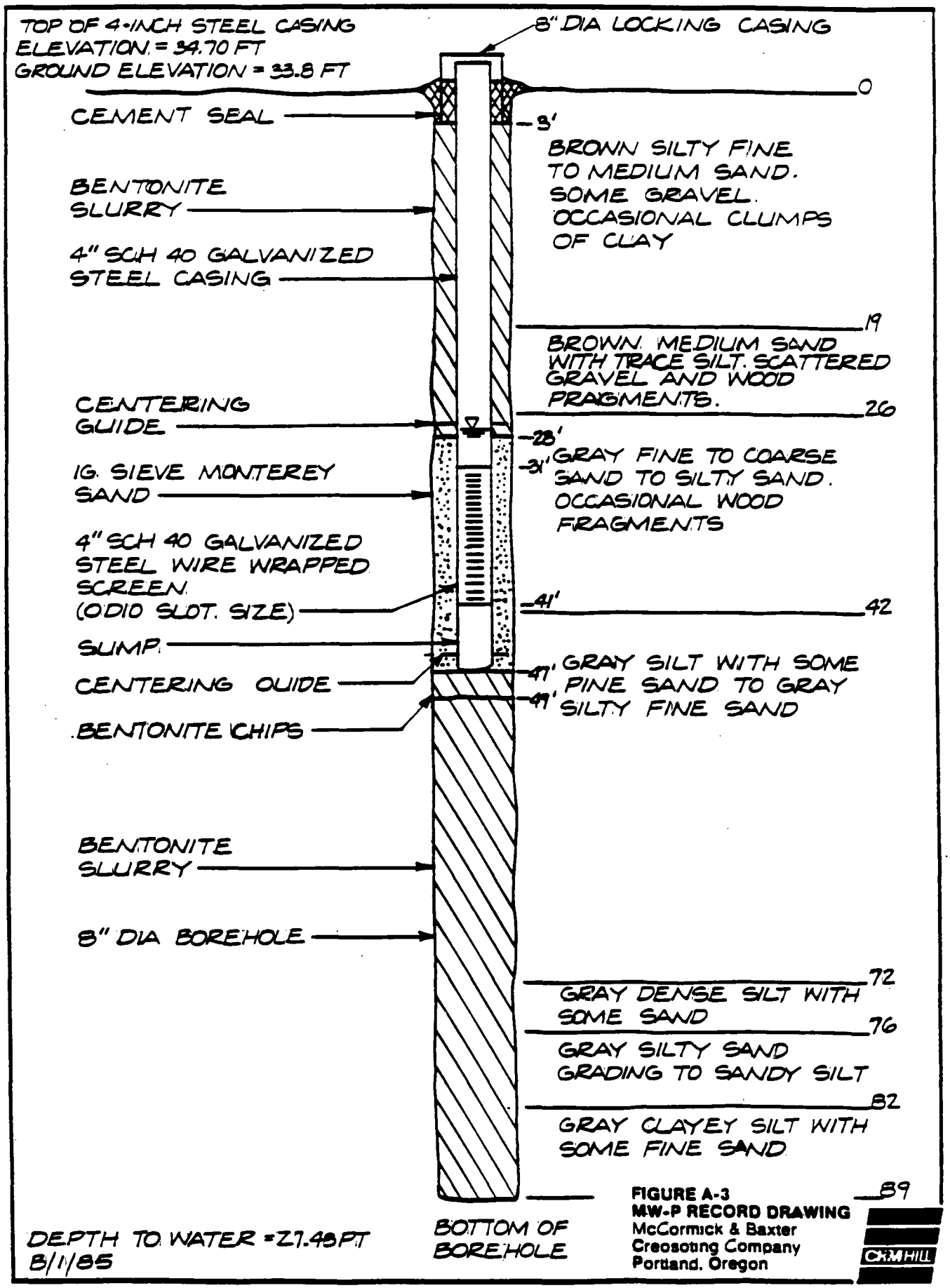


FIGURE A-3
MW-P RECORD DRAWING
McCormick & Baxter
Creosoting Company
Portland, Oregon

MONITORING WELL GEOLOGIC & CONSTRUCTION LOG

CH2M HILL

PROJECT NUMBER	WELL NUMBER	SHEET 1 OF 2
PDX 17774.10	MW-R	

PROJECT McCormick & Baxter Creosoting Co. LOCATION Portland, Oregon

ELEVATION, NGVD (Top of Well Casing) Not Measured SURFACE ELEVATION, NGVD Not Measured

WATER LEVEL ELEVATION, NGVD 24.08 ft. below ground, 6-21-89 START DATE 6-14-89

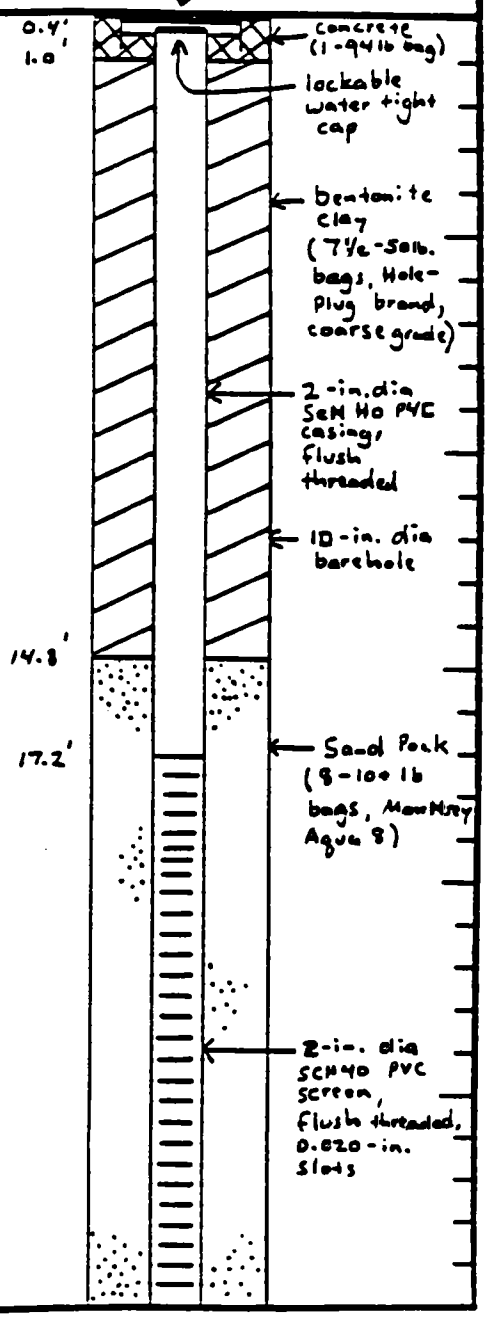
DRILLING CONTRACTOR Geo-Tech Explorations, Portland FINISH DATE 6-14-89

DRILLING METHOD 6¼-inch inside diameter hollow stem auger, CME-75

DEPTH (ft)	SAMPLE Number	SAMPLE Blows	GEOLOGIC LOG	HYDROLOGIC UNIT
			Topsoil: SILT and SAND, med. to fine sand, wood frags, bro. (fill).	
	2.5			
	4.0	7-6-7 (13)	SAND, <5% silt, sand med, moist, red-brn.	
5	5.5			
	6.5	6-10-10 (20)	SILTY SAND, 10 to 20% fines, scattered pebbles, brn, dry	5
	7.5			
	9.0	5-6-4 (10)	SAND, med, <8% fine sand, red-brn	
10	10.0			
	11.5	3-7-9 (16)	SILTY SAND, fine to med, brn. Change at 10.5 ft to SAND, med, gray with red particles. Slight hydrocarbon odor	10
	12.5			
	14.0	4-4-6 (10)	SAND, med. gray. Slight hydrocarbon odor	
15	15.0			
	16.5	3-5-10 (15)	As above, wood frags at 16 ft	15
	17.5			
	19.0	7-5-11 (16)	SAND, med with some crs grains, scattered pebbles, gray with white and red particles, hydrocarbon odor	
20	20.0			
	21.5	10-13-18 (24)	As above, but silder at 20 ft, med gravel (1.5 in) at silt	20
	22.5			
	24.0	3-3-4 (7)	As above, hit water table at about 23 ft, oil sheen on water	
25	25.0			
	26.5	3-9-10 (19)	SAND, med to crs, well sorted, gray, wet, hydrocarbon odor, oil sheen on water	25
	27.5			
	29.0	2-3-6 (9)	As above, no oil sheen, creosote / hydrocarbon odor	

24.08 ft below ground
23.68 ft below top of casing
6-21-89

WELL CONSTRUCTION



MONITORING WELL GEOLOGIC & CONSTRUCTION LOG

CH2M HILL

PROJECT NUMBER	WELL NUMBER	SHEET 2 OF 2
PDX 17774.10	MW-R	

PROJECT McCormick & Baxter Creosoting Co. LOCATION Portland, Oregon

ELEVATION, NGVD (Top of Well Casing) Not Measured SURFACE ELEVATION, NGVD Not Measured

WATER LEVEL ELEVATION, NGVD 24.05 ft below ground 6-21-89 START DATE 6-14-89

DRILLING CONTRACTOR Geo-Tech Explorations, Portland FINISH DATE 6-14-89

DRILLING METHOD 6¼-inch inside diameter hollow stem auger, CME-75

DEPTH (Ft)	SAMPLE Number	SAMPLE Blows	GEOLOGIC LOG	HYDROLOGIC UNIT	WELL CONSTRUCTION
	30.0	1-1-2	SAND, med, well sorted, gray		
	31.5	(3)	creosote odor		
	33.0				33.3' collapsed borehole; 2 in. dia SCH 40 PVC Sump, flush threaded
	34.5	2-3-3 (6)	SAND, med, <5% fine, wood frags and scattered pebbles at 34 ft		
35			End boring at 34.5 ft		
40					
45					
50					
55					

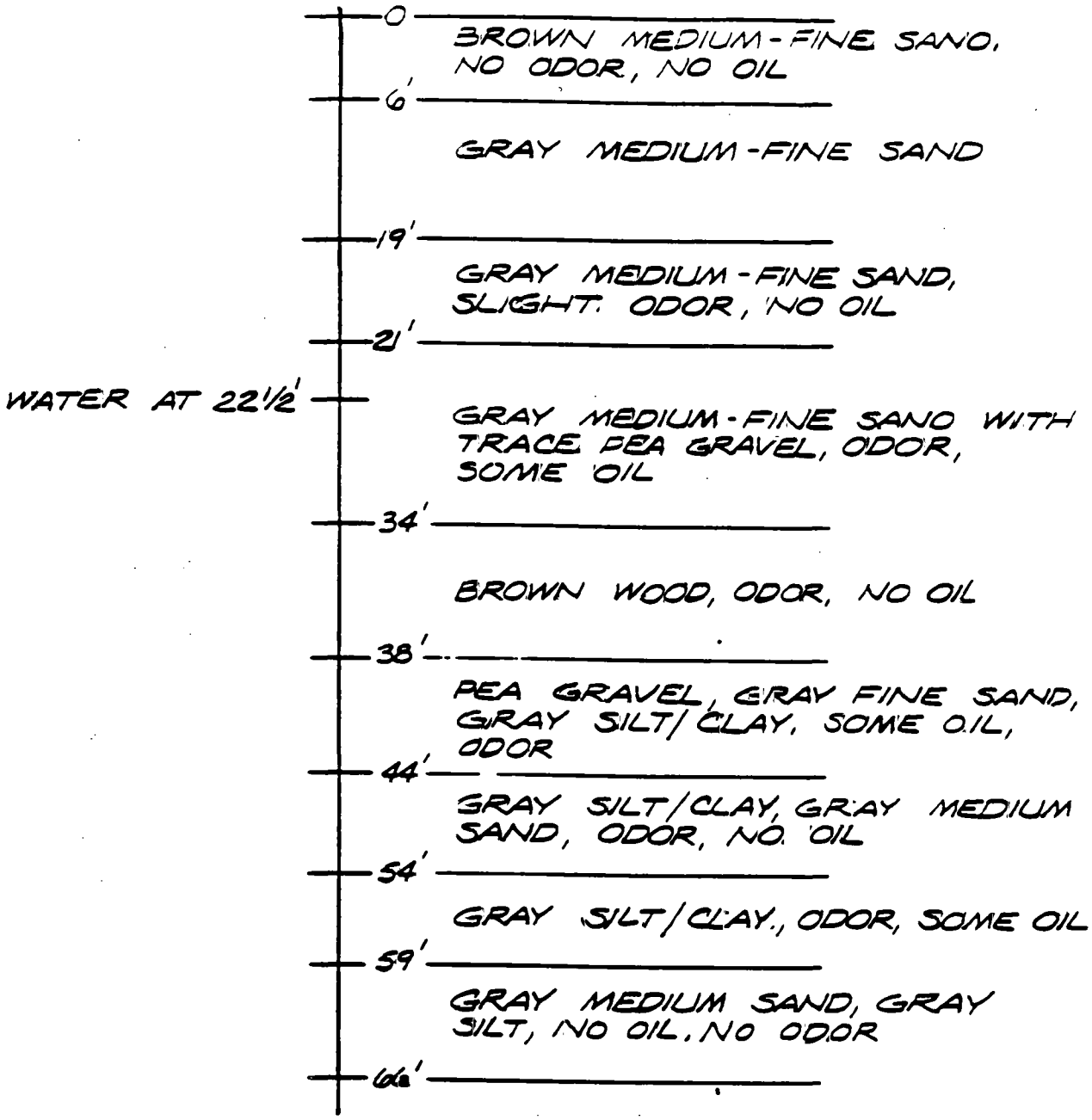


FIGURE B-10
Borehole 1
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

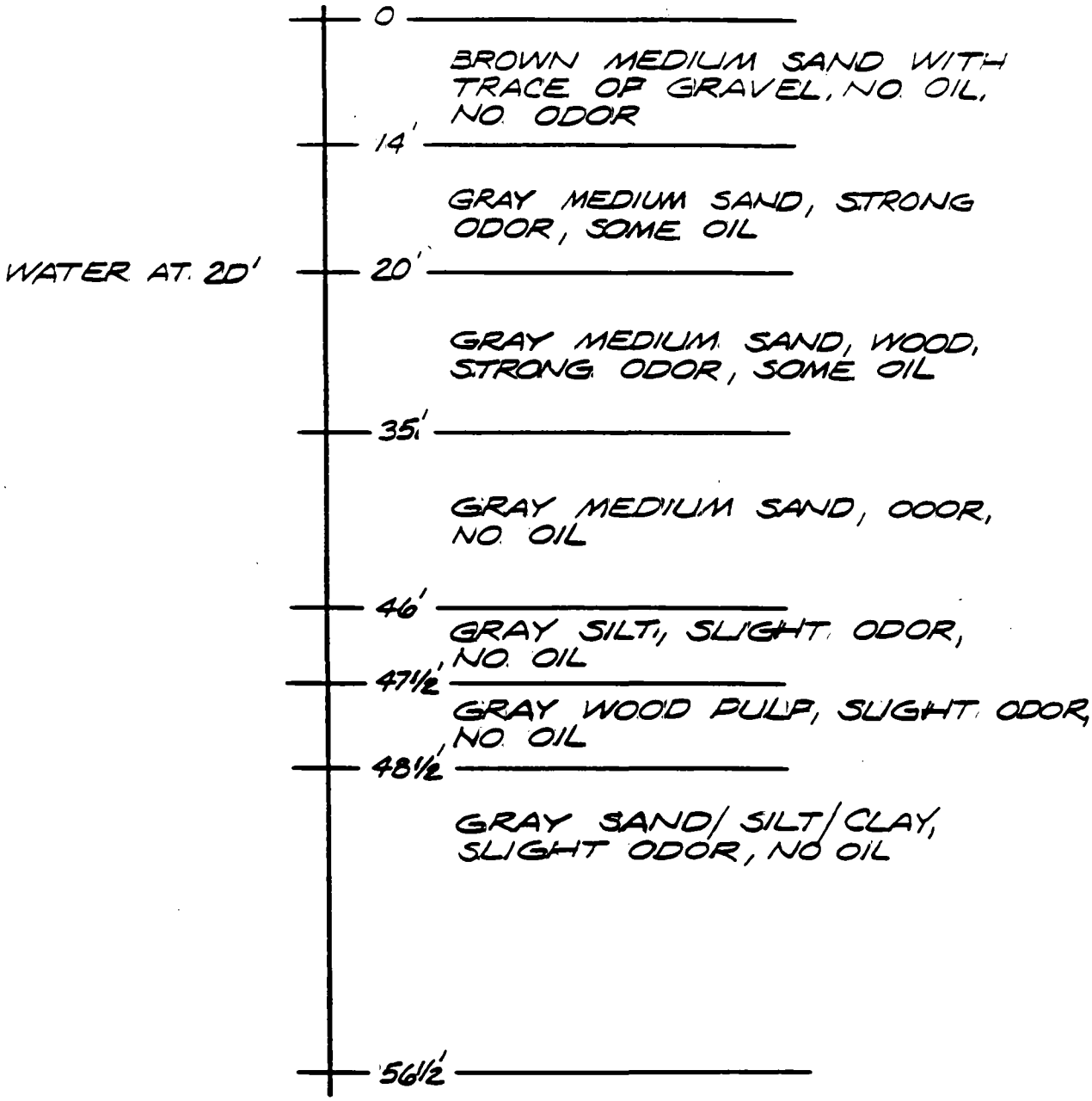


FIGURE B-11
Borenole 2
McCormick & Baxter Croosoting Co.
Portland, Oregon

CH2M HILL

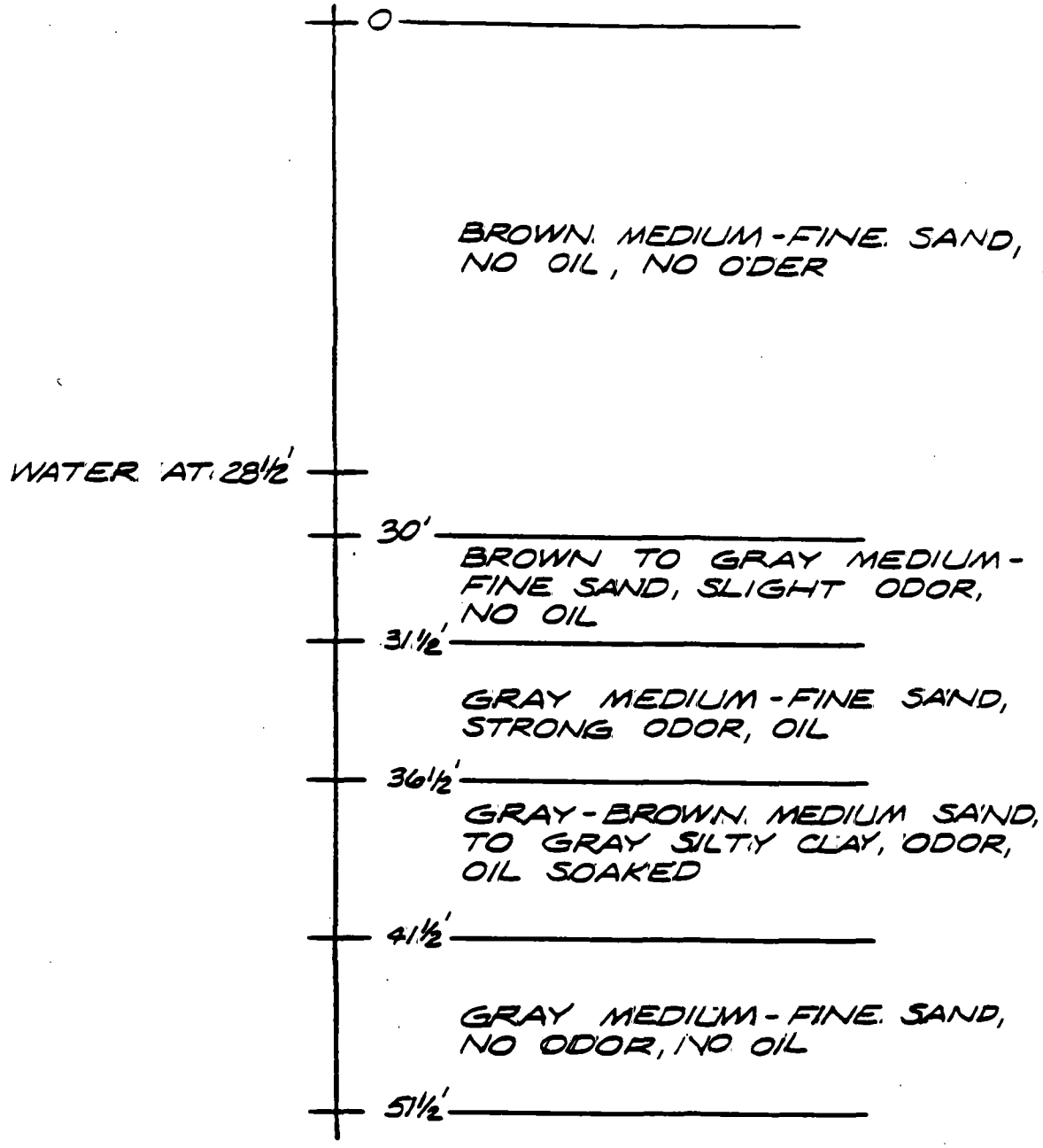


FIGURE B-12
Borehole 3
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

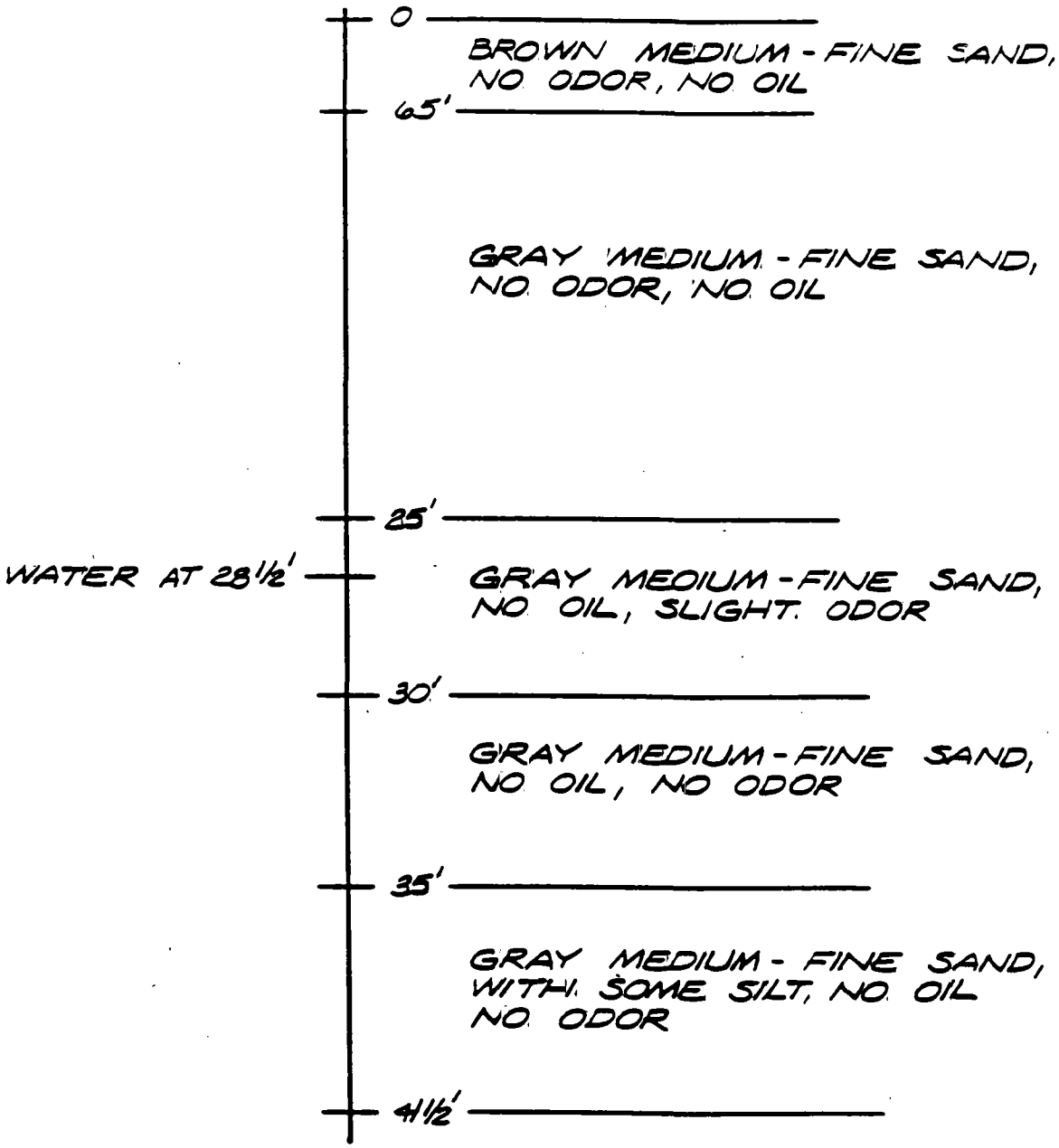


FIGURE B-13
Borehole 4
McCormick & Baxter Creosoting Co.
Portland, Oregon

CH2M HILL

Regional Wells

The original and first copy of this report are to be filed with the State Engineer, Salem, Oregon within 30 days from the date of well completion.

RECEIVED JAN 31 1972 STATE ENGINEER SALEM, OR.

WATER WELL REPORT
STATE OF OREGON

(Please type or print) (Do not write above this line)

RECEIVED FEB 28 1972 STATE ENGINEER SALEM, OR.

State Well No. 1N/1-7a

State Permit No.

(1) OWNER:
Name Clarendon School/School District #1
Address 1314 N.E. Grand Ave.-Portland-Ore. 97232

(2) TYPE OF WORK (check): Cathodic Grounded
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒

( ) CASING INSTALLED: Threaded ☐ Welded ☒
10" Diam. from 0 ft. to 19 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

( ) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
gal./min. with ft. drawdown after hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 19 ft.
Diameter of well bore to bottom of seal 15 in.
Diameter of well bore below seal in.
Number of sacks of cement used in well seal sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plug Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off
Was well gravel packed? ☒ Yes ☐ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Multnomah Driller's well number
N.E. ¼ ¼ Section 7 T. 1N R. 1E W.M.
Bearing and distance from section or subdivision corner
(SEE ATTACHED DRAWING)

(11) WATER LEVEL: Completed well
Depth at which water was first found ft.
Static level ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 9"
Depth drilled 394 ft. Depth of completed well 394 ft.

Formation: Describe color, texture, grain size and structure of materials and show thickness and depths of each stratum and aquifer penetrated, with at least one entry for each change of formation. Assert each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
fill sand	0	6	
fine brown sand	6	14	
coarse sand & small gravel	14	38	
large gravel (lost circula)	38	74	
fine brown sand & silt	74	113	
cement gravel	113	140	
loose gravel & boulders (lost circulation)	140	143	
cement gravel	143	163	
loose gravel (lost circula)	163	166	
cement gravel	166	211	
cemented brown sand	211	226	
cemented sand & gravel	226	273	
cement sand	273	281	
cement sand, gravel boulders	281	394	

Work started 4-23 1971 Completed 5-3 19
Date well drilling machine moved off of well 5-3 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to the best knowledge and belief.
[Signed] James K. Franklin Date 1-26 19
(Drilling Machine Operator) By H. M. Hansen
Drilling Machine Operator's License No. 498

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Hansen Drilling Co., Inc.
(Person, firm or corporation) (Type or print)
Address 5711 N.E. 82nd Ave.-Vancouver
[Signed] C. E. Hansen (Water Well Contractor) H. M. Hansen
Contractor's License No. 166 Date 1-26

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

RECEIVED OCT 18 1965 STATE ENGINEER SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. 1N/E-18

State Permit No.

(1) OWNER:
Name University of Portland
Address 5000 N. Willamette Blvd.
Portland, Ore.

(2) LOCATION OF WELL:
County Multnomah Driller's well number
¼ ¼ Section T. N. W.M.
Bearing and distance from section or subdivision corner
5000 N. Willamette Blvd.
Portland, Ore.

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in item 12.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☒
12" Diam. from 13 ft. to 245 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used Milla knife
Size of perforations ⅜ in. by 2½ in.
336 perforations from 193 ft. to 235 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal Bentonite
Depth of seal 40 ft. Was a packer used? No
Diameter of well bore to bottom of seal 16 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☐ No
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 160 ft. below land surface Date 7-30-65
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom?
Yield: 875 gal./min. with 20 ft. drawdown after 8 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 55° Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG:
Diameter of well below casing 12"
Depth drilled 247 ft. Depth of completed well 247 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the water and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Basement	0	13
Cemented gravel	13	48
Brown sand	48	136
Gravel	136	182
Coarse sand	182	187
Sand & gravel (water bearing)	187	236
Cemented gravel	236	247

Work started 9-10 1965 Completed 9-30 1965
Date well drilling machine moved off of well 10-5 1965

(13) PUMP:
Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A. M. JANNSEN DRILLING CO.
(Person, firm or corporation) (Type or print)
Address 21075 S.W. Tualatin Hiway
Tigard, Ore.

Drilling Machine Operator's License No. 236 & 271
[Signature]
(Water Well Contractor)
Contractor's License No. 79 Date 10-8 1965

5

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

SEP - 5 1962
STATE ENGINEER
SALEM, OREGON

State Well No. 1N/1-7F

State Permit No.

(1) OWNER:
Name: FRED MEYER INC
Address: 731 SW 4TH AVE
PORTLAND ORE

(2) LOCATION OF WELL:
County: MULT. Driller's well number: 4130
SE ¼ NW ¼ Section 7 T. 1N R. 1E W.M.
Bearing and distance from section or subdivision corner:
2250 FT SOUTH AND 1625 FT EAST FROM THE N.W. CORNER
LOCATED IN LOT 25 BLOCK 1 OF HEPPNER SUBDIVISION

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED: Threaded ☐ Welded ☒
12" Diam. from 0 ft. to 245 ft. Gage 312
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? ☒ Yes ☐ No
Type of perforator used: STAR
Size of perforations: 1/4 in. by 1 1/4 in.
490 perforations from 184 ft. to 194 ft.
250 perforations from 228 ft. to 240 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS: Well screen installed ☐ Yes ☒ No
Manufacturer's Name
Type: Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—material used in seal: CEMENT GROUT
Depth of seal: 80 ft. Was a packer used? SAND
Diameter of well bore to bottom of seal: 16 in.
Were any lower aquifers cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☒ Yes ☐ No
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water: Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level: 103 ft. below land surface Date 8/25/62
Artesian pressure lbs. per square inch Date

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? P.J. STRASSER
Yield: 250 gal./min. with 4 ft. drawdown after 8 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 53 Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG: Diameter of well below casing
Depth drilled 248 ft. Depth of completed well 248 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND SOME BINDER	0	30
SAND AND BROKEN ROCK	30	45
DRY SAND	45	74
MED TO FINE SAND	74	103
SAND, GRAVEL AND COBBLES	103	111
GRAVEL AND COBBLES	111	132
MED TO LARGE GRAVEL	132	146
FINE SAND	146	179
GRAVEL AND SAND	179	164
LARGE GRAVEL	164	168
FINE SAND	168	217
GRAVEL	217	243
SAND AND GRAVEL CLAY BINDER	243	248

Work started July 27 1962 Completed Aug 27 1962
Date well drilling machine moved off of well Aug 28 1962

(13) PUMP:
Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME P.J. STRASSER DRILLING CO
(Person, firm or corporation) (Type or print)
Address 510 SE SUNSET LANE PORT. 6 OR.

Drilling Machine Operator's License No. 56
(Signed) Robert L. Strasser
(Water Well Contractor)
Contractor's License No. 10 Date Aug 29 1962

2a p1

STATE ENGINEER
Salem, Oregon

Well Record

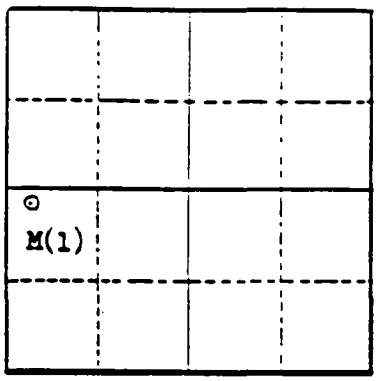
STATE WELL NO. 1N/1-18M(1)
COUNTY Multnomah
APPLICATION NO. GR-393

OWNER: Fibreboard Paper Products Co. MAILING ADDRESS:

LOCATION OF WELL: Owner's No. 1 CITY AND STATE: Portland, Oregon

NW ¼ SW ¼ Sec. 18 T. 1 ~~S.~~ N. R. 1 ~~W.~~ E. W.M.

Bearing and distance from section or subdivision corner S. 10° 00' E. 495' from W¼ cor. Sec. 18



Altitude at well 32'

TYPE OF WELL: Drilled Date Constructed ?

Depth drilled 425 Depth cased 90

Section 18

CASING RECORD:

8 inch

FINISH:

AQUIFERS:

WATER LEVEL:

?

PUMPING EQUIPMENT: Type Pumpmm H.P. 10
Capacity G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Cooling and paper making Temp. °F. 19
SOURCE OF INFORMATION GR-393
DRILLER or DIGGER ?
ADDITIONAL DATA:
Log X Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

State Printing 88316

2a p.2

STATE ENGINEER
Salem, Oregon

State Well No. 1N/1-18M(1)
County Multnomah
Application No. GR-393

Well Log

Owner: Fibrebpard Paper Products Corp. Owner's No. #1

Driller: Date Drilled

CHARACTER OF MATERIAL	(Feet below land surface) From	To	Thickness (feet)
Sand	0	40	40
Cemented gravel & boulders	40	60	20
Clay, silt	60	75	15
Hard rock	75	165	90
Soft rock	165	191	26
Very hard rock	191	391	200
Hard rock	391	412	21
Soft rock	412	421	9
Hard rock	421	425	4

2b

STATE ENGINEER
Salem, Oregon

Well Record

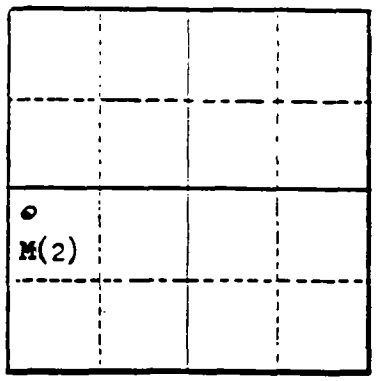
STATE WELL NO. 1N/1-18M(2)
COUNTY Maltomah
APPLICATION NO. GR-393

OWNER: Fibreboard Paper Products Corp. MAILING ADDRESS: 6350 N. W. Front Street

LOCATION OF WELL: Owner's No. 2 CITY AND STATE: Portland, Oregon

NW ¼ SW ¼ Sec. 18 T. 1 N. S. R. 1 E. W. W.M.

Bearing and distance from section or subdivision corner S. 27° 30' E. 565' from W¼ cor. Sec. 18



Altitude at well ?

TYPE OF WELL: drilled Date Constructed 1945

Depth drilled 240 Depth cased ?

Section 18

CASING RECORD:
?

FINISH:

AQUIFERS:

WATER LEVEL:

PUMPING EQUIPMENT: Type Pacific H.P. 15
Capacity ? G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Cooling and paper making Temp. °F. 19
SOURCE OF INFORMATION GR-393
DRILLER or DIGGER Tualatin Valley Drilling Company; Aloha, Oregon
ADDITIONAL DATA:
Log x Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

State Printing 83316

WATER WELL REPORT
STATE OF OREGON

RECEIVED
OCT 26 1982
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. IN/1E-14 a 3a

State Permit No.

(1) OWNER:

Name: Northwest Natural Gas Co.
Address: 220 NW Flanders St.
City: Portland State: Ore. 97209

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in item 12.

(3) TYPE OF WELL:

Rotary Air ☐ Driven ☐
Rotary Mud ☒ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒
Thermal ☐ Withdrawal ☐ Recirculation ☐

(5) CASING INSTALLED: Steel ☒ Plastic ☐ Threaded ☐ Welded ☐

19 " Diam. from 0 ft. to 20 ft. Gauge

" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? ☐ Yes ☐ No

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☐ No

Manufacturer's Name

Type Model No.

Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

gal./min. with ft. drawdown after hrs.

Air test gal./min. with drill stem at ft. hrs.

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes ☐ No ☐

Well seal—Material used Cement

Well sealed from land surface to 20 ft.

Diameter of well bore to bottom of seal 14 in.

Diameter of well bore below seal 8 3/4 in.

Number of sacks of cement used in well seal 4 sacks

How was cement grout placed? Pumped

Was pump installed? Type HP Depth ft.

Was a drive shoe used? ☐ Yes ☐ No Plugs: Size: location ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of Water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☐ No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County: Multnomah Driller's well number

NW Section 19 T 1N R 1E W.M.

Tax Lot # Lot Blk Subdivision

Address of well location: NW Front Ave. & Whitaker Ave.
Plat 25 - 24

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.

Static level ft. below land surface. Date

Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing

Depth drilled 100 ft. Depth of completed well 0 ft.

Formations: Describe color, texture, grain size and structure of materials; and show thickness and name of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Sand	0	12	
Blue mucky sand	12	16	
Wet sand	16	23	
Blue mucky clay	23	30	
Brown mucky clay	30	50	
Brown shaly rock	50	55	
Gravel large	55	60	
Broken rock	60	68	
Broken brown & red rock little clay	68	95	
Grey basalt	95	100	

Work started Oct. 19 1982 Completed Oct. 20 1982

Date well drilling machine moved off of well October 20 1982

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

(Signed) (Drilling Machine Operator) Date 19

Drilling Machine Operator's License No. 841

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Hanaan Drilling Co. Inc. (Person, firm or corporation) (Type or print)

Address 6711 NE 58th Ave. Vancouver, Washington 98

(Signed) (Water Well Contractor)

Contractor's License No. 604 Date October 25 1982

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT.
SALEM, OREGON 97310
within 30 days from the date of well completion.

SP-12656-890

3b

WATER WELL REPORT
STATE OF OREGON

RECEIVED
OCT 26 1982
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 1N/1E-19

State Permit No

(1) OWNER:

Name Northwest Natural Gas Co.
Address 123 NE Flanders St.
City Portland State Ore. 97209

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12

(3) TYPE OF WELL:

Rotary Air ☐ Driven ☐
Rotary Mud ☒ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED: Steel ☒ Threaded ☐ Plastic ☐ Welded ☐

10" Diam. from 0 ft. to 20 ft. Gauge

Diam. from ft. to ft. Gauge

LINER INSTALLED:

Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? ☐ Yes ☐ No

Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☐ No

Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?
gal./min. with ft. drawdown After hrs.
Air test gal./min. with drill stem at ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION: Seal material: Yes ☐ No ☐

Well seal—Material used Cement
Was seal placed from land surface to 20 ft.
Diameter of well bore to bottom of seal 14 in.
Diameter of well bore below seal 8 3/4 in.
Number of sacks of cement used in well seal 4 sacks
How was cement grout placed? Pumped

Was pump installed? Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☐ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Multnoma Driller's well number
NE Section 19 T 1 N R 1 E W.M.
Tax Lot # Lot Blk Subdivision
Address of well location: NW. Front Ave. & Kittredge Ave.
Plat 25 - 24

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.
Static level ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing

Depth drilled 100 ft. Depth of completed well 0 ft.

Formations: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Sand	0	12	
Blue mucky sand	12	16	
Wet sand	16	23	
Blue mucky clay	23	30	
Brown mucky clay	30	50	
Brown shaly rock	50	58	
Grey broken rock	58	70	
Broken brown & red rock little clay	70	85	
Grey rock med.	85	95	
Grey basalt hard	95	100	

Work started Oct 21 19 82 Completed Oct 22 19 82
Date well drilling machine moved off of well October 25 19 82

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

(Signed) (Drilling Machine Operator) Date 19

Drilling Machine Operator's License No. 841

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Hanaen Drilling Co. Inc. (Person, firm or corporation) (Type or print)
Address 6711 NE. 58th Ave. Vancouver, Washington 9866
(Signed) (Water Well Contractor)
Contractor's License No. 504 Date October 25 19 82

NOTICE TO WATER WELL CONTRACTOR
This original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON within 30 days from the date of well completion.

SP-12Sla-6au

WATER WELL REPORT
STATE OF OREGON

RECEIVED
OCT 26 1982
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 1N/1E-19 a 3

State Permit No.

(1) OWNER:

Name: Northwest Natural Gas Co.
Address: 220 Flanders St.
City: Portland State: Ore. 97209

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in item 12.

(3) TYPE OF WELL:

Rotary Air ☐ Driven ☐
Rotary Mud ☒ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Recirculation ☐

(5) CASING INSTALLED:

Steel ☒ Threaded ☐ Plastic ☐ Welded ☐

10" Diam. from 0 ft. to 20 ft. Gauge
Diam. from ft. to ft. Gauge

LINER INSTALLED:

Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? ☐ Yes ☐ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☐ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
gal./min. with ft. drawdown after hrs.
"
Air test gal./min. with drill stem at ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes ☐ No ☐
Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 14 in.
Diameter of well bore below seal 8 3/4 in.
Number of sacks of cement used in well seal 4 sacks
How was cement grout placed? Pumped

Was pump installed? Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of Water? depth of strata
Method of sealing strata off
Was gravel gravel packed? ☐ Yes ☐ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County: Multnomah Driller's well number
NE ¼ Section 19 T 1N R 1E W.M.
Tax Lot # Lot Blk Subdivision
Address of well location: NW. Front Ave. & Kittredge Ave.
Plat 25 - 24

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.
Static level ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing
Depth drilled 100 ft. Depth of completed well Ø ft.

Formations: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Sand	0	12	
Blue mucky sand	12	16	
Wet sand	16	23	
Blue mucky clay	23	30	
Brown munky clay	30	58	
Grey broken rock Hard	58	68	
Broken brown & red rock			
Little clay	68	95	
Grey basalt	95	100	

Work started Oct. 20 19 82 Completed Oct. 21 19 82
Date well drilling machine moved off of well October 21 19 82

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

(Signed) (Drilling Machine Operator) Date 19

Drilling Machine Operator's License No. 841

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Hansen Drilling Co. (Person, firm or corporation) (Type or print)
Address 6711 NE. 58th Ave. Vancouver, Washington 98661

(Signed) (Water Well Contractor)

Contractor's License No. 604 Date October 25 19 82

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT.
SALEM, OREGON 97310
within 30 days from the date of well completion.

SP-12858-690

6a

STATE ENGINEER
Salem, Oregon

Well Record

STATE WELL NO. 1N/1-7N
COUNTY Multnomah
APPLICATION NO. GR-4270

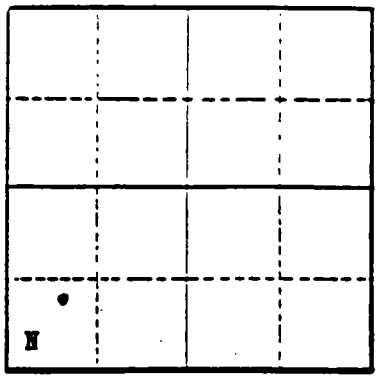
OWNER: McCornick & Barter Creosoting Co.
MAILING ADDRESS: P. O. Box 5344
CITY AND STATE: Portland, Oregon

LOCATION OF WELL: Owner's No.

SW ¼ SW ¼ Sec. 7 T. 1 N. R. 1 E. W.M.

Bearing and distance from section or subdivision corner North 13° 38.6' West 4215.6 feet to NW Corner, Section 7.

Altitude at well 20 feet



TYPE OF WELL: Drilled Date Constructed Sept. 1945

Depth drilled 130 feet Depth cased 130 feet

Section 7

CASING RECORD:

12-inch casing set from 0 to 130 feet

FINISH:

casing perforated from 63 to 124 feet
size of perforations not known

AQUIFERS:

sand, gravel, and clay

WATER LEVEL:

23 feet

PUMPING EQUIPMENT: Type Layne Bowler Deep Well Turbine Pump H.P.
Capacity 750 G.P.M.

WELL TESTS:

Drawdown 0 ft after hours 1200 G.P.M.

Drawdown 8 ft after hours 1300 G.P.M.

USE OF WATER Industrial Temp. °F. 19
SOURCE OF INFORMATION GR-4121
DRILLER or DIGGER R. J. Strasser Drilling Co. Portland, Oregon
ADDITIONAL DATA:
Log x Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

dredged sand	12 to 118	cemented gravel	13 to 12
silt, clay and very fine sand	48 to 70	gravel with a little water	5 to 7
coarse sand with water	24 to 46	cemented gravel	7 to 0
gravel with clay binder	21 to 25		

State Printing 88316

STATE ENGINEER
Salem, Oregon

Well Record

STATE WELL NO. 1N/1-2N1
COUNTY Multnomah
APPLICATION NO.

OWNER: McCormick & Baxter Co.
MAILING ADDRESS:
CITY AND STATE:

LOCATION OF WELL: Owner's No.

____ ¼ ____ ¼ Sec. ____ T. ____ N. S., R. ____ E. W., W.M.

Bearing and distance from section or subdivision corner

Altitude at well 30

TYPE OF WELL: Drilled Date Constructed

Depth drilled 130 Depth cased 130

Section

CASING RECORD:

12 inch

FINISH:

AQUIFERS:

Sand (Younger alluviun) from 60 to 84
Gravel (Troutdale Formation) from 118 to 123

WATER LEVEL:

23 feet below land surface, September, 1945

PUMPING EQUIPMENT: Type Turbine H.P.
Capacity G.P.M.

WELL TESTS:
Drawdown ft after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Industrial Temp. °F. 19
SOURCE OF INFORMATION USGS
DRILLER or DIGGER
ADDITIONAL DATA:
Log X Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

Pumped 1,600 gpm, drawdown 26 feet.
Perforated casing 65-84, 94-104, and 116-124 feet.

State Printing

(A)

STATE ENGINEER
Salem, Oregon

State Well No. 1N/1-7N1
County MULTNOMAH
Application No.

Well Log

Owner: McCormick & Baxter Co. Owner's No.

Driller: R. J. Strasser Drilling Co. Date Drilled 1945

CHARACTER OF MATERIAL	(Feet below land surface) From	To	Thickness (feet)
Artificial fill:			
"Dredged sand"	0	12	12
Younger alluvium:			
Silt, clay, and very fine sand	12	60	48
Sand, coarse, water-bearing	60	84	24
Gravel and clay	84	105	21
Troutdale Formation:			
Gravel, cemented	105	118	13
Gravel, water-bearing	118	123	5
Gravel, cemented	123	130	7

6C

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 1N/1-7N

State Permit No.

(1) OWNER:
Name McCORMICK AND BAXTER CO
Address 6600 N. EDGEWATER ROAD PORTLAND OREGON

(2) TYPE OF WORK (check):
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☒
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☐
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well
Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(10) CONSTRUCTION:
Well seal—Material used
Depth of seal ft.
Diameter of well bore to bottom of seal in.
Were any loose strata encountered? ☐ Yes ☒ No Depth
Was a drive shoe used? ☒ Yes ☐ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☐ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County MULT. Driller's well number 4/2(-3)
NE NE ¼ Section 7 T. 1N R. 1E W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing
Depth drilled 219 ft. Depth of completed well ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
FILL SAND	0	17	
BROWN SAND AND SILT	17	51	
BROWN SAND	51	60	
GREY SAND AND SILT	60	145	
PACKED SAND	145	161	
SAND AND SILT	161	219	

ABANDONED AND BACKFILLED WITH BENTONITE SEAL TO PREVENT MOVEMENT OF WATER

Work started DEC 20 1967 Completed JAN 17 1968
Date well drilling machine moved off of well JAN 18 1968

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Jim Johnson (Drilling Machine Operator) Date 2/16 1968
Drilling Machine Operator's License No. 57

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME R.T. STRASSER DRILLING (Person, firm or corporation) (Type or print)
Address 8110 SE SUNNYSIDE LANE PORTLAND 97266
[Signed] Robert L. Strasser (Water Well Contractor)
Contractor's License No. 10 Date Feb 15 1968

(USE ADDITIONAL SHEETS IF NECESSARY)

The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON

(Please type or print)

(Do not write above this line)

AUG 22 1973
STATE ENGINEER
SALEM, OREGON

7a

State Well No. 1N/1W-13

State Permit No.

(1) OWNER:

Name Liquid Air, Inc.

Address 3200 N. W. Yeon
Portland, Oregon

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☒

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☐

" Diam. from X ft. to ft. Gage
" Diam. from X ft. to ft. Gage
" Diam. from X ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☐ No.

Type of perforator used X

Size of perforations X in. by in.

X perforations from ft. to ft.
X perforations from ft. to ft.
X perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Bentonite

Well sealed from land surface to 50 ft.

Diameter of well bore to bottom of seal 12-1/4 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal sacks

Number of sacks of bentonite used in well seal 5 sacks

Brand name of bentonite International Gel

Number of pounds of bentonite per 100 gallons of water 50 lbs./100 gals.

Was a drive shoe used? ☐ Yes ☒ No Plugs Size: located ft.

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of shutting strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Multnomah Driller's well number

¼ ¼ Section 13 T 1 N R. 1 W. W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.

Static level ft. below land surface. Date

Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6"

Depth drilled L 102 ft. Depth of completed well 0 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Fill dirt & rock		0	2
Black sand	2	75	
Sand & gravel	75	85	
Hard rock	85	90	
White sand & gravel	90	102	
Hard rock	102		

Well abandoned - Bentonite plug placed at 50 feet with 5 sacks Bentonite, balance of hole backfilled with formation sand

Work started 7/9/73 19 Completed 8/9/73 19

Date well drilling machine moved off of well 8/9/73 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Glen Hunnicutt Date 8/15/73 19
(Drilling Machine Operator)

Drilling Machine Operator's License No. 235

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name A. M. Jannaen Drilling Co.
(Person, firm or corporation) (Type or print)

Address 21075 S.W. Tualatin Valley Hwy, Aloha, Ore.

[Signed] Edward M. Jannaen
(Water Well Contractor)

Contractor's License No. 79 Date 8/15/73 19

(USE ADDITIONAL SHEETS IF NECESSARY)

7b

The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

AUG 22 1973

STATE ENGINEER
SALEM, OREGON

State Well No. [illegible]

State Permit No.

(1) OWNER:

Name: Liquid Air, Inc.

Address: 3200 N. W. Yeon
Portland, Oregon 97210

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary S Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

8 ⅝" Diam. from 0 ft. to 83 ft. Gage .250

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: 222 gal./min. with 232 ft. drawdown after 1 hrs.
222 " 182 " 1 "
200 " 132 " 1 "
~~175~~ ~~82~~ ~~1~~

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Pressure of flow Depth artesian flow assumed ft.

(9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 82 ft.

Diameter of well bore to bottom of seal 12-1/4 in.

Diameter of well bore below seal 8 in.

Number of sacks of cement used in well seal 10 sacks

Number of sacks of bentonite used in well seal 0 sacks

Brand name of bentonite

Number of pounds of bentonite per 100 gallons of water lbs./100 gals.

Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of shutting strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County: Multnomah Driller's well number

¼ ¼ Section 13 T 1 N R. 1 W. W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 200 ft.

Static level 18 ft. below land surface. Date 8/15/73

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8"

Depth drilled 302 ft. Depth of completed well 302 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. (Attach Water Level and indicate artesian-bearing strata.)

MATERIAL	From	To	SWL
Fill, junk, rock & dirt	0	22	
Black sand	22	50	
Brown sand	50	72	
Cobbles & gravel	72	75	
Hard rock	75	113	
Decomposed rock	113	117	
Brown & gray rock	117	124	
Hard gray rock	124	190	
Black/strks grn,red,brown	190	195	
Brown, hard & broken	195	200	50 gpm
Hard gray, occ fractured zone	200	293	52 gpm
Hard broken rock	293	302	120 gpm

Work started 8/9/73 Completed 8/15/73 19

Date well drilling machine moved off of well 8/15/73 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] [illegible] Date 8/15/73 19

(Drilling Machine Operator)

Drilling Machine Operator's License No. 235

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name A. M. Jannaen Drilling Co.
(Person, firm or corporation) (Type or print)

Address 21075 S.W. Tualatin Valley Hwy. Aloha, Ore.

[Signed] [illegible]
(Water Well Contractor)

Contractor's License No. 79 Date 8/15/73 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-0086-119

8a

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON
(Please type or print)

State Well No. 1N/1W-13J

State Permit No.

(1) OWNER:

Name Penn Salt Company

Address

(2) LOCATION OF WELL:

County Multnomah Driller's well number

NE ¼ SE ¼ Section 13 T 1N R. 1W W.M.

Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 15.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☐

6" Diam. from 0 ft. to 94 ft. Gage
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? ☐ Yes ☐ No

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:

Well screen installed? ☐ Yes ☐ No

Manufacturer's Name

Model No.

Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Well seal—Material used in seal

Depth of seal ft. Was a packer used?

Diameter of well bore to bottom of seal in.

Were any loose strata cemented off? ☐ Yes ☐ No Depth

Was a drive shoe used? ☐ Yes ☐ No

Was well gravel packed? ☐ Yes ☐ No Size of gravel:

Gravel placed from ft. to ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? depth of strata

Method of sealing strata off

(10) WATER LEVELS:

Static level 35 ft. below land surface Date

Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: 30 gal./min. with 65 ft. drawdown after hrs.

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG:

Diameter of well below casing

Depth drilled ft. Depth of completed well 420 ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Sand with small amount of clay	0	30
Clay, yellow, sandy	30	40
Blue clay	40	60
Sand	60	90
Rock	90	172
Broken rock, water bearing	172	192
Rock, getting very hard	192	240
Deepened in 1949 to 420 feet		
Rock	240	420
Data from USGS		

Work started 19 Completed April 1949

Date well drilling machine moves off of well 19

(13) PUMP:

Manufacturer's Name

Type: H.P.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A. M. Jannaea
(Person, firm or corporation) (Type or print)

Address

Drilling Machine Operator's License No.

[Signed]
(Water Well Contractor)

Contractor's License No. Date 19

(USE ADDITIONAL SHEETS IF NECESSARY)

3b

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. 1N/1W-13J2

State Permit No.

(1) OWNER:
Name Penn Salt Company

Address

(2) LOCATION OF WELL:
County Multnomah Driller's well number

NE ¼ SE ¼ Section 13 T. 1N R. 1W W.M.

Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☐

10" Diam. from 0 ft. to 100 ft. Gage

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? ☐ Yes ☐ No

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

(8) SCREENS:
Well screen installed? ☐ Yes ☐ No

Manufacturer's Name

Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal

Depth of seal ft. Was a packer used?

Diameter of well bore to bottom of seal in.

Were any loose strata cemented off? ☐ Yes ☐ No Depth

Was a drive shoe used? ☐ Yes ☐ No

Was well gravel packed? ☐ Yes ☐ No Size of gravel:

Gravel placed from ft. to ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? depth of strata

Method of sealing strata off

(10) WATER LEVELS:
Static level 56 ft. below land surface Date Sept. 1953

Artesian pressure lbs. per square inch Date

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: 120 gal./min. with 110 ft. drawdown after hrs.

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG:
Diameter of well below casing 8

Depth drilled ft. Depth of completed well 760 ft.

Formations: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Sand and silt	0	89
Rock, reduced to 8" at 123	89	123
Rock	123	156
Clay	156	157
Rock	157	330
Rock, crevriced	330	345
Rock	345	515
Rock, porous (120 gpm, dd 110')	515	538
Rock, hard, gray	538	760

Data from USGS

Work started 19 Completed September 1953

Date well drilling machine moved off of well 19

(13) PUMP:
Manufacturer's Name

Type: H.P.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A. M. Jannsen
(Person, firm or corporation) (Type or print)

Address

Drilling Machine Operator's License No.

(Signed) (Water Well Contractor)

Contractor's License No. Date 19

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion

RECEIVED JAN 24 1969 STATE ENGINEER SALEM, OREGON

WATER WELL REPORT

STATE OF OREGON
(Please type or print)
(Do not write above this line)

Dewatering - Sc temporary

State Permit No. 1N/1W-13 dd

State Permit No.

(1) OWNER:
Name Pearsalt Chemical Corp.
Address 6400 NW Front Ave. Portland

(2) TYPE OF WORK (check): Dewatering hole
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒

(5) CASING INSTALLED: Threaded ☐ Welded ☒
12" Diam. from 0 ft. to 12 ft. Gage .250
Diam. from ft. to ft. Gage
Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☒ Yes ☐ No.
Type of perforator used torch
Size of perforations 1/8 in. by 8" in.
64 perforations from 4 ft. to 12 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 6.5 ft. below land surface Date 1-22-69
Artesian pressure lbs. per square inch Date

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
gal./min. with ft. drawdown after hrs.
Bailer test none gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(10) CONSTRUCTION:
Well seal—Material used none - temporary dewatering
Depth of seal ft.
Diameter of well bore to bottom of seal in.
Were any loose strata cemented off? ☐ Yes ☐ No Depth
Was a screen used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☒ Yes ☐ No Size of gravel: - 1 round
Gravel placed from 0 ft. to 15 ft.

(11) LOCATION OF WELL:
County Multnomah Owner's well number
SE ¼ SE ¼ Section 13 T 1N R 1W W.M.
Bearing and distance from section or subdivision corner
Approx. 150' North and 150' West of SE corner of sec. 13

(12) WELL LOG: Diameter of well below casing 20"
Depth drilled 15 ft. Depth of completed well ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rate!

MATERIAL	From	To	SWL
fill sand	0	12	
blue muck sand	12	15	6.5
Sub-contracted from			
Earley Construction Co.			
321 Middle Waterway			
Tacoma, Wash. 98421			
Purchase Order # 08520			

Work started 1-13 19 69 Completed 1-14 19 69
Date well drilling machine moved off of well 1-14 19 69

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] [illegible] (Drilling Machine Operator) Date 1-20 19 69
Drilling Machine Operator's License No. 289

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Hansen Drilling Co., Inc. (Person, firm or corporation) (Type or print)
Address 6711 N. E. 58th Ave. Vancouver, Wn.
[Signed] [illegible] (Water Well Contractor)
Contractor's License No. 400 Date 1-20 19 69

(USE ADDITIONAL SHEETS IF NECESSARY)

Dewatering Bd
Temporary

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

RECEIVED
JAN 24 1969
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

Owner's No. 1N/1W-13 dd
State Permit No.

(1) OWNER:
Name Transalt Chemical Corp.
Address 6400 NW Front Ave. Portland Oregon

(2) LOCATION OF WELL:
County Multnomah Driller's well number
SE ¼ SE ¼ Section 13 T. 1N R. 1W W.M.
Bearing and distance from section or subdivision corner
Approx. 150 ft. North and 180 ft. West of SE corner of Sec. 13

(3) TYPE OF WORK (check): dewatering hole
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED: Threaded ☐ Welded ☒
12" Diam. from 0 ft. to 12 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? ☒ Yes ☐ No
Type of perforator used torch
Size of perforations 1/8 in. by 8" in.
72 perforations from 4 ft. to 12 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type: Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal nonc..temporary dewatering
Depth of seal ft. Was a packer used?
Diameter of well bore to bottom of seal in.
Were any loose strata cemented off? ☐ Yes ☐ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Was well gravel packed? ☒ Yes ☐ No Size of gravel: ground
Gravel placed from 0 ft. to 15 ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 6.5 ft. below land surface Date 1-16-69
Artesian pressure lbs. per square inch Date

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test none gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG: Diameter of well below casing 20"
Depth drilled 15 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
fill sand	0	12
blue ~~[illegible]~~ sucky sand	12	15
Sub-contracted from		
Earley Construction Co.		
321 Middle Waterway		
Tacoma, Wash. 98421		
Purchase Order # 08520		

Work started 1-15 1969. Completed 1-16 1969
Date well drilling machine moved off of well 1-16- 1969

(13) PUMP:
Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Hansen Drilling Co., Inc.
(Person, firm or corporation) (Type or print)
Address 6711 NE 58th Ave. Vancouver, Wn. #400 Contractors Lic.
Drilling Machine Operator's License No. 289
[Signed] Jon E. Hansen (Water Well Contractor)
Contractor's License No. 400 Date 1-22 1969

(USE ADDITIONAL SHEETS IF NECESSARY)

Submit with the
STATE ENGINEER
SALEM, OREGON

STATE OF OREGON

State Permit No. _____

(1) OWNER:

Name (b) (6) [redacted]

Address

PORTLAND 10, ORE.

(2) LOCATION OF WELL:

County MULT. Owner's number, if any—

¼ ¼ Section 8 T 2S R 1N W.M.

Bearing and distance from section or subdivision corner

1.81 ACRES

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:

Rotary ☐ Driven ☐

Cable ☒ Jetted ☐

Dug ☐ Bored ☐

(6) CASING INSTALLED: Threaded ☐ Welded ☐

6" Diam. from 0 ft. to 22 ft. Gage _____

" Diam. from _____ ft. to _____ ft. Gage _____

" Diam. from _____ ft. to _____ ft. Gage _____

(7) PERFORATIONS: Perforated? ☐ Yes ☒ No

Type of perforator used

SIZE of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

(8) SCREENS: Well screen installed ☐ Yes ☒ No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:

Well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

Was a surface seal provided? ☐ Yes ☐ No To what depth? _____ ft.

Material used in seal—

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? Depth of strata

Method of sealing strata off

(10) WATER LEVELS:

Static level 100 ft. below land surface Date

Artesian pressure lbs. per square inch Date

Log Accepted by:

(Signed) (b) (6) [redacted] Date 7-21 1958

(11) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" " " "

" " " "

Bailer test 12 gal./min. with 70 ft. drawdown after hrs.

Artesian flow g.p.m. Date 7/21/58

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG: Diameter of well _____ inches.

Depth drilled ft. Depth of completed well ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SOIL	0	2
CLAY	2	10
ROCK	10	175
WATER	160	175
FIRM BASIN		
SOFT ROCK		

Work started 7/6/ 1958 Completed 7/20 1958

(13) PUMP:

Manufacturer's Name _____

Type: _____ H.P. _____

Well Driller's Statement:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME PAUL E ROSS
(Person, firm, or corporation) (Type or print)

Address 2040 SW 190 ALOHA ORE

Driller's well number _____

[Signed] Paul E Ross
(Well Driller)

License No. 94 Date _____ 19____

(USE ADDITIONAL SHEETS IF NECESSARY)

Soil Boreholes

PTI
ENVIRONMENTAL SERVICES

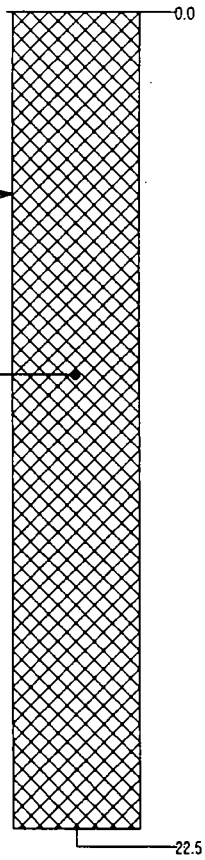
BH-27

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEG C8421603
GEOLOGIST/ENGINEER D. LOW
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 22.5 FEET
DATE (s) DRILLED MAY 17, 1991
COORDINATES 704896.01, 1425644.49
WELL CASING ELEVATION Not Appl.
SURFACE PAD ELEVATION 15.00
TOTAL WELL CASING LENGTH Not Appl.

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0						
	0.0		67		SP-SM	Fine to coarse SAND with silt and gravel occasional silt lenses and trace organic material, dark reddish brown to very dark grayish brown, moist to wet.
	0.0	X	47			Water level at 2.00 feet during drilling.
	0.0	X	53			
	0.0		47			
	0.0	X	53			
	0.0	X	53			
10	0.0		73		SM	
	0.0	X	67			Fine to coarse SAND with silt, occasional silt lenses to 0.2 feet thick, very dark gray, wet.
	0.0	X	67			
	0.0	X	73			
	0.0	X	67			
	0.0	X	67			
	0.0	X	13			
20	0.0		60			
	0.0		33			Total depth 22.5 feet
						Creosote-like odor observed between 13.0 to 17.0 feet.
30						

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

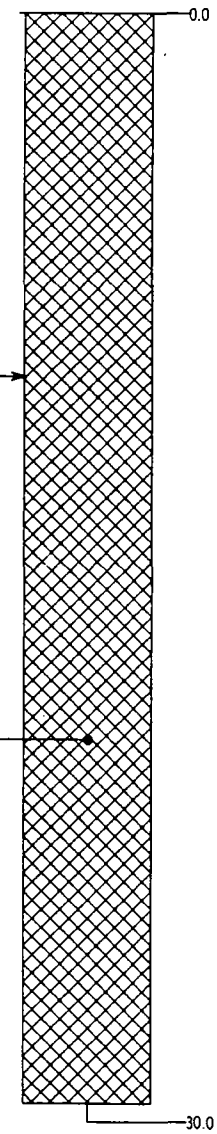
BH-28

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER D. LOW
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 30.0 FEET
DATE (s) DRILLED MAY 16, 1991
COORDINATES 704877.08, 1425736.15
WELL CASING ELEVATION Not appl.
SURFACE PAD ELEVATION 14.90
TOTAL WELL CASING LENGTH Not appl.

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SPLIT SPOON	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0						
	0.0		60		SW	Water level at 2.00 feet during drilling
	0.0	X	53			Well graded fine to medium SAND with minor gravel and silt, dark to dark reddish brown, moist to wet.
	0.0	X	60			
	0.0		67			
	0.0	X	67		SW-SM	Silty fine to medium SAND with silt, thin silt lenses and minor gravel and wood chips, black, wet.
	0.0	X	13			
10	0.0		13		SM	Silty fine to coarse SAND with thin lenses ot silt and wood chips, very dark gray to black, wet.
	0.0	X	60			
	0.0	X	80			
	0.0	X	67			
	0.0	X	60		SP	Medium SAND with occasional wood chips, black, wet.
	0.0		60			
	0.0	X	60		SW ML	Stratified SAND and SILT, fine to coarse silty sand, very dark gray to black with thin lenses of silt and silty sand.
20	0.0	X	67			
	0.0		80			
	0.0	X	73			
	0.0	X	60			
	0.0		87			
	0.0	X	100			
	0.0	X	60			
30						Total depth 30.0 feet.
						Ceosote-like odor observed between 13.0 and 14.0 feet.

WELL CONSTRUCTION DETAILS



BOREHOLE
8-inch diameter 0.0 to 30.0 feet.

BACKFILL
9x50# bags medium bentonite chips 0.0 to 30.0 feet.

PTI
ENVIRONMENTAL SERVICES

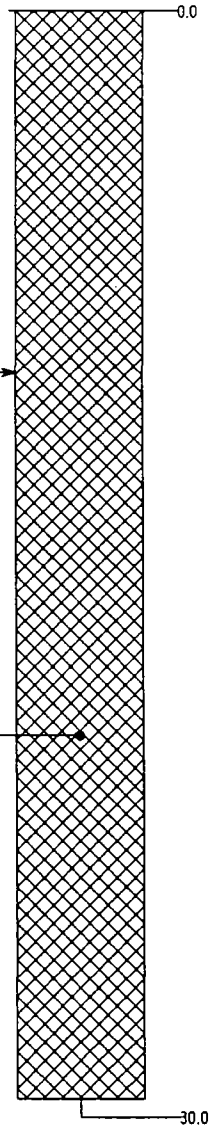
BH-29

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER RENAN & LIVERMORE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD MOD. HOLLOW STEM AUGER

DEPTH OF BORING 30.0 FEET
DATE (s) DRILLED MAY 15, 1991
COORDINATES 704833.31, 1425821.43
WELL CASING ELEVATION Not appl.
SURFACE PAD ELEVATION 13.30
TOTAL WELL CASING LENGTH Not appl.

DEPTH IN FEET	OVM (ppm)	ENV SAMPLE	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0.0		67		SP	Water level at 2.00 feet during drilling
		X	73			Fine to medium SAND with minor silt, dark reddish brown, moist to wet.
	0.0	X	47			
	0.0		63		SM	SAND with trace silt and gravel, gray to black, wet.
	0.0	X	47			
		X	80		ML/SW	Thinly interbedded fine to medium silty SAND and SILT, dark to very dark gray.
10	0.0		80			
		X	60		SM-SW	Well graded medium SAND with minor silt, very dark gray.
	0.0		80			
			40		SP-SM	Poorly graded fine to medium SAND to silty SAND with minor gravel and wood chips, dark brown to black.
	0.0	X	60			
		X	80		SW	Well graded fine to medium SAND with minor woodchips and occasional thin beds of SILT, very dark gray.
			100			
20		X	87			
	0.0	X	60			
	0.0		87			
		X	73			
		X	60			
			40			
			0			
30						Total depth 30.0 feet. No odor or sheen observed at any interval.

WELL CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

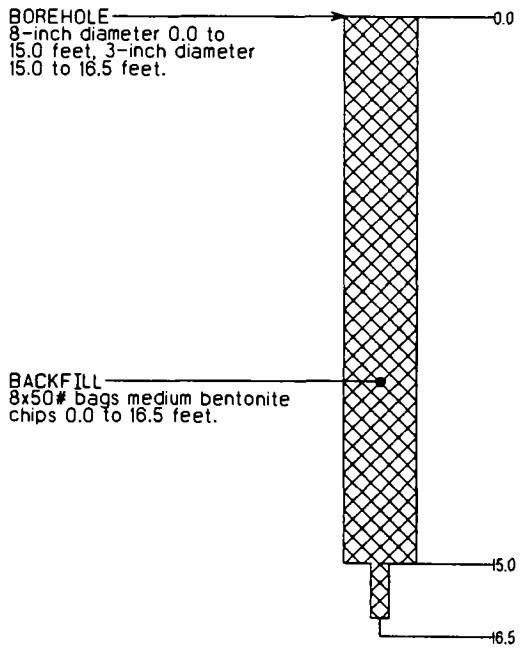
BOREHOLE E8a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 16.5 FEET
DATE (s) DRILLED 1/23/92
COORDINATES 704969.69, 1426845.78
APPROXIMATE
GROUND ELEVATION 32.1 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0						
	8	NS	NA	■	SW	Medium SAND with silt and occasional gravel, dark brown, moist, roots and organic debris.
	4	HS	67	■		
	3	NS	67	■	GP	Visicular SLAG with 1/2-inch layer of wood chips, black.
					SP	Medium SAND with some coarse sand, brown, moist.
5	4	NS	56	■		
10	4	NS	67	■		
15	4	NS	NA	■		Total depth 16.5 feet.
20						
25						
30						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

BOREHOLE E9a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY, BURDEN, CHASE
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

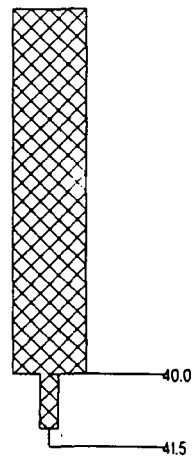
DEPTH OF BORING 41.5 FEET
DATE (s) DRILLED 1/23/92
COORDINATES 704983.57, 1426968.37
APPROXIMATE
GROUND ELEVATION 31.9 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
0							BOREHOLE 8-inch diameter 0.0 to 41.5 feet, 3-inch diameter 40.0 to 41.5 feet. (0.0)
	0	NS	100		SM	Silty medium SAND with some organic debris, brown to black.	
	1	NS	100		SP	SAND with occasional well-rounded 1/4-inch diameter gravel and little silt, brown, moist to wet	
	0	NS	100				
5	0	NA	100			creosote-like odor observed in breathing zone	
10	29	HS	100			color change to dark gray	BACKFILL 21x50# bags medium bentonite chips 0.0 to 41.5 feet.
15	16	HS	100				
20	15	HS	100			Water level at 21.0 feet during drilling. visible creosote-like product in soil	
25	5	MS	100				
30							

BOREHOLE E9a

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30	1	SS	100		SP	
					PT	WOOD debris, wet.
35	0	SS	72		ML	
	0	NS	33			SILT, gray, wet.
40						Total depth 41.5 feet.
45						
50						
55						
60						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

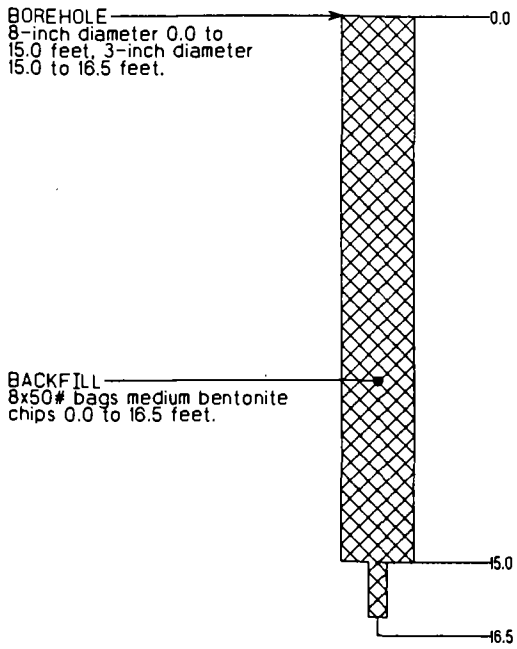
BOREHOLE E9b

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 16.5 FEET
DATE (s) DRILLED 1/23/92
COORDINATES 704835.38, 1426978.18
APPROXIMATE
GROUND ELEVATION 31.0 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	NA	NA	67	◣	SP	Medium SAND with occasional 1/4-inch gravel, black, moist.
	NA	NA	67	◣		
	1	NS	100	◣		color change to reddish brown
5	1	NS	67	◣		
10	2	NS	89	◣		color change to gray
15	1	NS	72	◣		
						Total depth 16.5 feet.
20						
25						
30						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

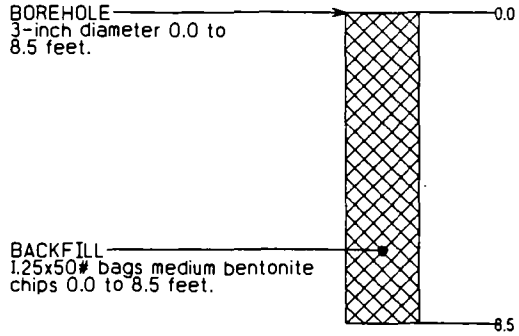
BOREHOLE F4a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LOW
DRILLING CONTRACTOR PTI ENVIR. SERVICES
DRILLING METHOD HAND AUGER

DEPTH OF BORING 8.5 FEET
DATE (s) DRILLED 3/9/92
COORDINATES 705288.45, 1426307.96
APPROXIMATE
GROUND ELEVATION 34.5 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0						
	0	NS			GM	Crushed GRAVEL and COBBLES with sand and silt, dark brown, crystalline pentachlorophenol observed as matrix.
	0	NS			SW	Fine to medium SAND with silt and gravel, grayish brown, trace of pentachlorophenol.
	0	NS			SP	
	0	NS			SW	Fine to medium SAND, dark brown, moist, no pentachlorophenol observed below 2 feet.
	0	NS				Fine to medium SAND with trace to little gravel and silt, dark brown, moist.
5	0	NS				
	0	NS				Total depth 8.5 feet.
10						
15						
20						
25						
30						

CONSTRUCTION DETAILS



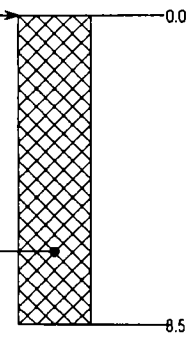
PTI
ENVIRONMENTAL SERVICES

BOREHOLE F4b

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LOW
DRILLING CONTRACTOR PTI ENVIR. SERVICES
DRILLING METHOD HAND AUGER

DEPTH OF BORING 8.5 FEET
DATE (s) DRILLED 3/9/92
COORDINATES 705265.45, 1426290.37
APPROXIMATE
GROUND ELEVATION 34.5 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
0	0	NS			GM	Crushed GRAVEL and COBBLES with sand, silt, and wood fragments.	BOREHOLE 3-inch diameter 0.0 to 8.5 feet. 0.0
	0	NS			SW	Fine to medium SAND with silt and gravel, dark brown, moist.	
	0	NS					
	0	NS					
	0	NS					
5	0	NS					
							BACKFILL 1.25x50# bags medium bentonite chips 0.0 to 8.5 feet.
	0	NS				Total depth 8.5 feet.	8.5
10							
15							
20							
25							
30							



PTI
ENVIRONMENTAL SERVICES

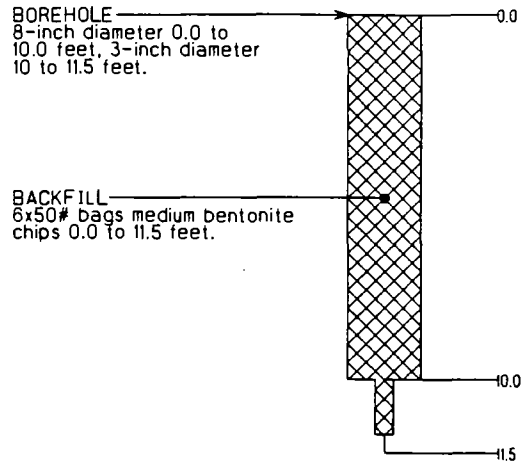
BOREHOLE F7a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 11.5 FEET
DATE (s) DRILLED 1/24/92
COORDINATES 705030.01, 1426707.99
APPROXIMATE
GROUND ELEVATION 31.1 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	21	HS	100	■	SM	Silty SAND with coarse gravel and woody material, brown, moist.
	14	HS	89	■		
	2	SS	89	■	SP	Medium SAND, reddish brown, moist.
5	0	NS	87	■		4-inch-thick organic-rich SILT layer at 4 feet, brown, moist
10	0	NS	NA	■		Total depth 11.5 feet.
15						
20						
25						
30						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

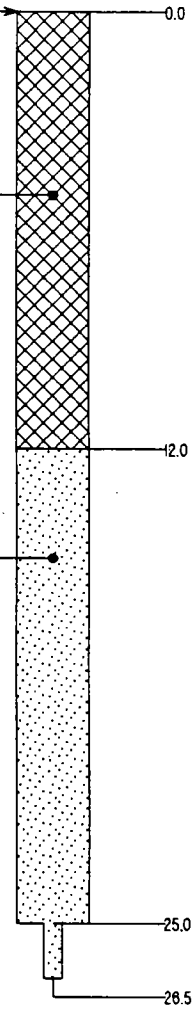
BOREHOLE F7b

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER CHASE AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 26.5 FEET
DATE (s) DRILLED 1/24/92
COORDINATES 705046.10, 1426660.15
APPROXIMATE
GROUND ELEVATION 33.1 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	36	HS	100		SM	Silty SAND with occasional wood debris and gravel, dark brown to black.
	30	HS	56		SW SM	Fine to medium SAND with silt and occasional gravel, brown to black, moist.
	50	HS	100		SP	
5	50	HS	100			Medium SAND with silt and occasional gravel, brown, dark gray lenses where contaminated, moist.
10	35	MS	89			
15	30	MS	94		PT	WOOD debris.
20	NA	NA	22			
25	130	NA	94		ML	SILT, low plasticity, gray, moist. Total depth 26.5 feet.
30						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

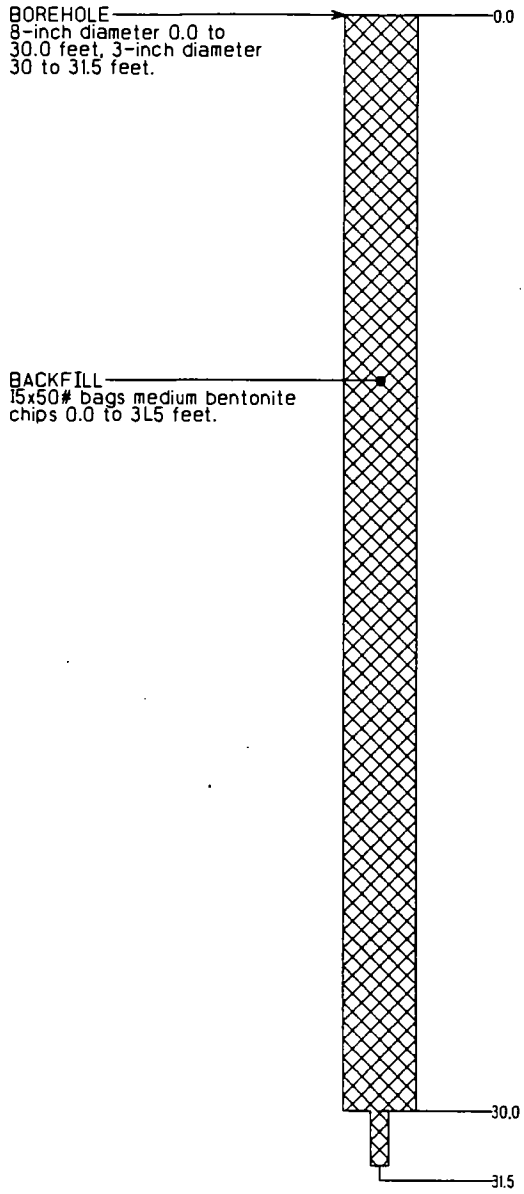
BOREHOLE F8a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 31.5 FEET
DATE (s) DRILLED 1/21/92
COORDINATES 704969.83, 1426765.64
APPROXIMATE
GROUND ELEVATION 32.3 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	NA	NA	75		PT	WOOD, sawdust with some sand, light brown to dark reddish brown.
	5	NS	100		SP	Medium SAND, reddish brown to very dark brown, moist.
5	3	SS	100			
10	4.4	NS	67		PT	WOOD chips with some sand, very dark brown, moist.
15	1.5	MS	100			
20	3.5	SS	67			
25	2	NS	100		ML	SILT with clay, gray, wet.
30	NA	NS	100			red mottling and root casts Total depth 31.5 feet.

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

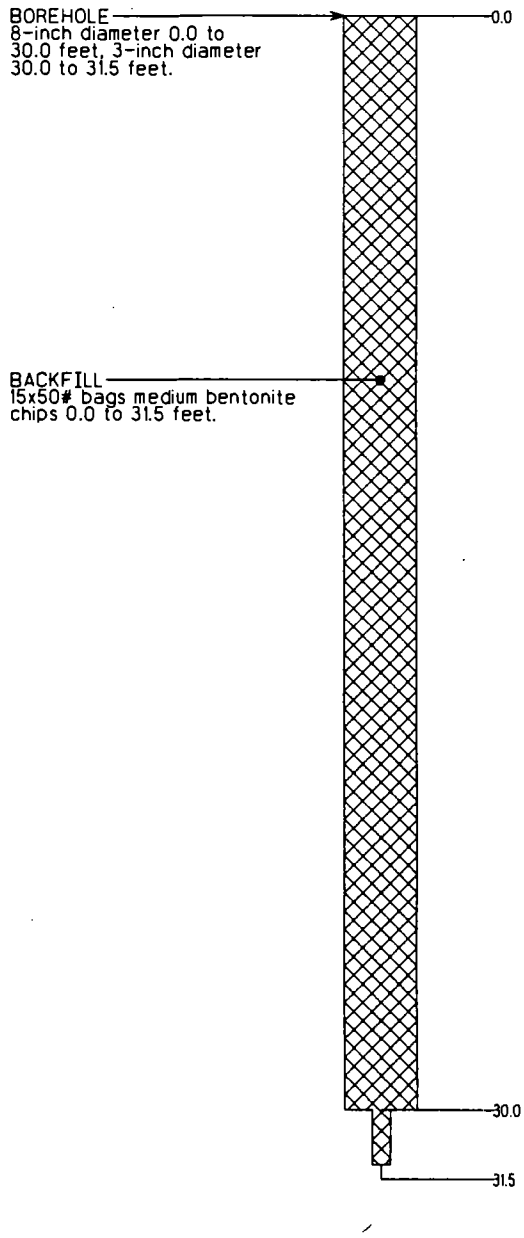
BOREHOLE FBb

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 31.5 FEET
DATE (s) DRILLED 1/22/92
COORDINATES 704958.36, 1426812.82
APPROXIMATE
GROUND ELEVATION 32.2 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0						
	8	NS	100		SP	Medium SAND with occasional gravel, black, moist.
					ML	Gavelly SILT, brown, moist.
	10	NS	100		SP	
	10	NS	20			Medium SAND, black, moist.
5						color change to brown
10	11	NS	100			
15	11.5	NS	63		PT	
						WOOD chips with some fine sand and silt, black, wet.
						creosote-like odor observed in breathing zone
20	150	HS	100			
25	67				SP	Medium SAND, dark gray, moist.
	16	NS	100			
30					ML	SILT with clay, gray, wet.
	8	NS	100			
						Total depth 31.5 feet.

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

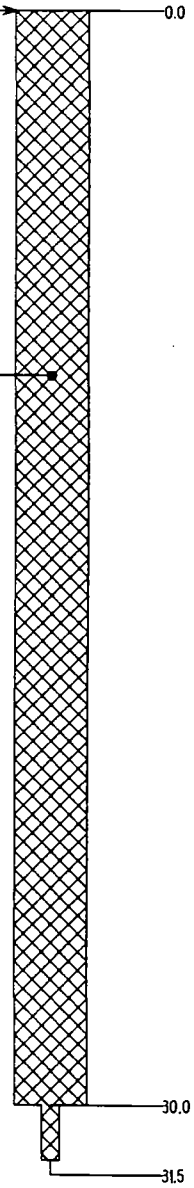
BOREHOLE F10a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 31.5 FEET
DATE (s) DRILLED 1/23/92
COORDINATES 704716.36, 1427056.96
APPROXIMATE
GROUND ELEVATION 29.9 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0	NS	100		SM	Silty medium SAND, grayish brown, dry.
	0	NS	50		SP	Medium SAND, grayish brown, moist.
	10	HS	89			color change to gray, creosote-like odor observed at well head
5	15	HS	NA			
10	NA	HS	67		PT	purple fluid present in soil, creosote-like odor observed in breathing zone Decayed WOOD chips, moist.
15						
					SP	
20	NA	MS	NA			Medium SAND, gray, wet.
25	0	SS	67			
					ML	
30	0	NS	56			SILT, gray, wet, stiff. Total depth 3L5 feet.

CONSTRUCTION DETAILS



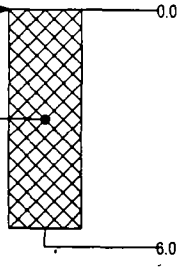
PTI
ENVIRONMENTAL SERVICES

BOREHOLE H5a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421603
GEOLOGIST/ENGINEER LIVERMORE, LOW, BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HAND AUGER

DEPTH OF BORING 6.0 FEET
DATE (s) DRILLED 1/24/92
COORDINATES 704998.75, 142612.64 APPROXIMATE
GROUND ELEVATION 34.2 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
0	0	NS			SP	Fine to medium SAND with uneven layers of crystalline pentachlorophenol and trace silt and gravel, brown, moist.	BOREHOLE 3-inch diameter 0.0 to 6.0 feet. 0.0
	0	NS					
	0	NS				no crystalline pentachlorophenol observed below 3.0 feet.	BACKFILL 1x50# bag medium bentonite chips 0.0 to 6.0 feet.
5	0	NS				Total depth 6.0 feet.	6.0
10							
15							
20							
25							
30							



PTI
ENVIRONMENTAL SERVICES

BOREHOLE H5b

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LOW, LIVERMORE, BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HAND AUGER

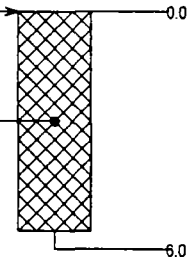
DEPTH OF BORING 6.0 FEET
DATE (s) DRILLED 1/24/92
COORDINATES 704988.67, 1426201.53
APPROXIMATE
GROUND ELEVATION 34.2 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0						
	0	NS			SP	Fine to medium SAND with trace silt and gravel, brown, moist, capped with 4-inch-thick layer of pure crystalline pentachlorophenol.
	0	NS			SW	Fine to coarse SAND with trace silt and gravel, moist, trace pentachlorophenol.
	0	NS				no pentachlorophenol observed below 2.0 feet.
5						
	0	NS				Total depth 6.0 feet.
10						
15						
20						
25						
30						

CONSTRUCTION DETAILS

BOREHOLE
3-inch diameter 0.0 to 6.0 feet.

BACKFILL
1x50# bag medium bentonite chips 0.0 to 6.0 feet.



PTI
ENVIRONMENTAL SERVICES

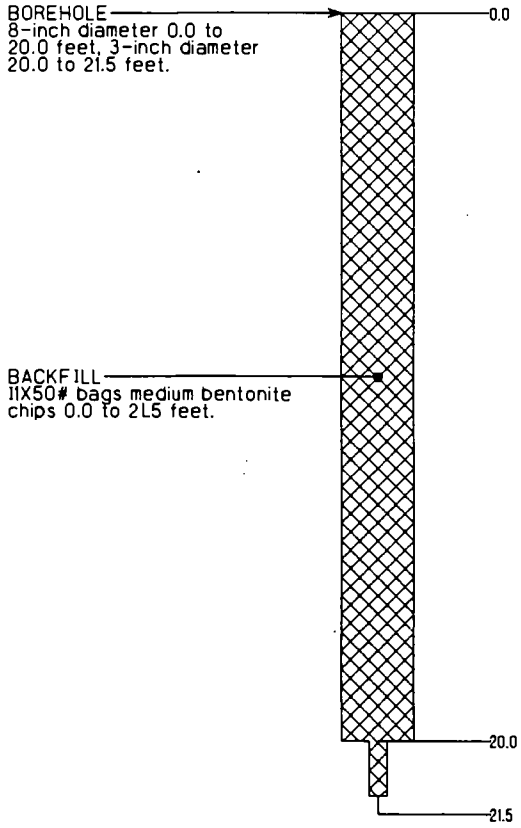
BOREHOLE H5c

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LIVERMORE AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 21.5 FEET
DATE (s) DRILLED 1/24/92
COORDINATES 704964.80, 1426205.33
APPROXIMATE
GROUND ELEVATION 34.2 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0					SW	
	21	NS	100			Fine to medium SAND with minor silt and trace gravel, brown, moist.
	0	NS	100			
	3	NS	100			
5	7	NS	100			
10	11	NS	100			
15	95	NS	100			color change to dark gray
20	18	NS	100			Total depth 2L5 feet.
25						
30						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

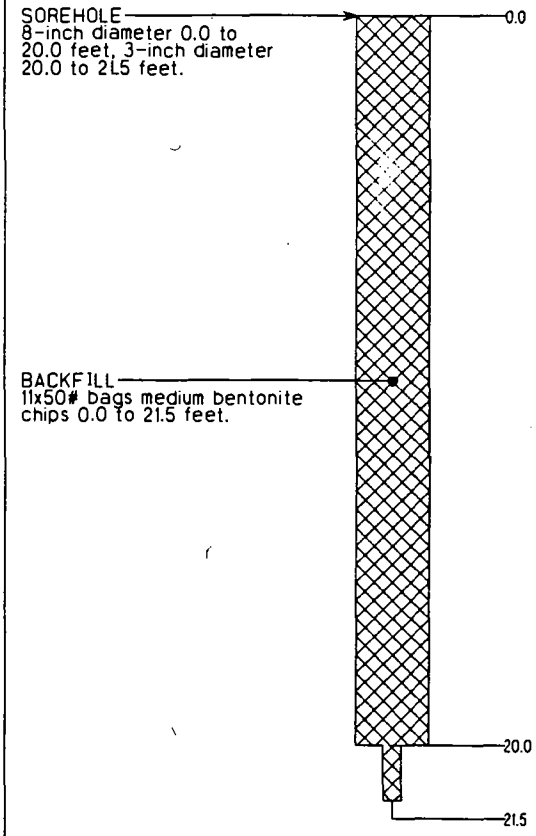
BOREHOLE H5d

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER LOW AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 21.5 FEET
DATE (s) DRILLED 1/24/92
COORDINATES 704952.39, 1426174.53
APPROXIMATE
GROUND ELEVATION 34.2 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	0	NS	100	■	SP	Fine to medium SAND with trace silt and gravel, brown, moist, capped with 2.5-inch-thick layer of pure crystalline pentachlorophenol.
	0	SS	100	■		
	0	NS	100	■		
5	0	NS	100	■	SW	Fine to coarse SAND with little gravel and trace silt, brown, moist.
					SP	Fine to medium SAND with trace silt, brown, moist.
10	0	NS	100	■		
15	0	NS	100	■		color change to gray
20	0	NS	100	■		wood fragments
						Total depth 21.5 feet.
25						
30						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

BOREHOLE H11a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421603
GEOLOGIST/ENGINEER BRADY AND BURDEN
DRILLING CONTRACTOR GEOTECH EXPL.
DRILLING METHOD HOLLOW STEM AUGER

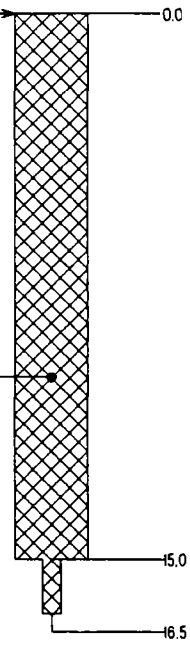
DEPTH OF BORING 16.5 FEET
DATE (s) DRILLED 1/23/92
COORDINATES 704368.16, 1426845.58
APPROXIMATE
GROUND ELEVATION 33.5 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0						
	0	HS	56		GW	GRAVEL, black, moist, capped with 2-inch layer of oily sludge.
					SW	SAND with 3/4-inch diameter gravel, brown, moist.
	0	NS	67		SP	
	0	NS	100			Medium SAND with 1/4-inch diameter gravel, brown, moist.
5	0	NS	17			decreasing gravel content
10	0	NS	89		SW	Medium SAND with gravel, brown, moist.
15	0	NS	NA			Total depth 16.5 feet.
20						
25						
30						

CONSTRUCTION DETAILS

BOREHOLE
8-inch diameter 0.0 to 15.0 feet, 3-inch diameter 15.0 to 16.5 feet.

BACKFILL
8x50# bags medium bentonite chips 0.0 to 16.5 feet.



Sediment Boreholes

PTI
ENVIRONMENTAL SERVICES

BOREHOLE J(-2)d

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421635
GEOLOGIST/ENGINEER VARNUM AND LOW
DRILLING CONTRACTOR PACIFIC TESTING LAB.
DRILLING METHOD HOLLOW STEM AUGER

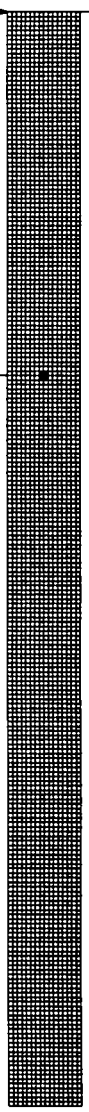
DEPTH OF BORING 53.8 FEET
DATE (s) DRILLED 1/28/92
COORDINATES 705292.38, 1425426.78
APPROXIMATE
MUD LINE ELEVATION -5.0 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	2	HS	50	■	ML	SILT with organic material, dark gray, wet, heavy sheen expressed as discrete blebs, 40% contamination, moderate creosote-like odor.
5	0	HS	100	■		increasing sand, 30% contamination
	1	HS	100	■	SM	Fine to medium silty SAND with trace wood chips and other organic material, dark gray, wet, heavy sheen as discrete blebs, mostly without iridescence, less than 25% visible contamination.
10	0	HS	100	■		10% visible contamination
	0	SS	50	■	SP	Fine to medium SAND with trace silt and organic material, dark gray, wet, 10% sheen blebs.
15	0	SS	39	■		<10% sheen blebs
	0	SS	33	■		occasional small (<2 mm) sheen blebs, very slight creosote-like odor
20	0	SS	28	■		less than five small sheen blebs
	0	SS	33	■		one sheen bleb
25	0	SS	56	■		10 to 15 sheen blebs, some iridescence
30						

CONSTRUCTION DETAILS

BOREHOLE — 0.0
10-inch O.D. (4-inch I.D.)
0.0 to 52.3 feet, 3-inch
O.D. 52.3 to 53.8 feet.

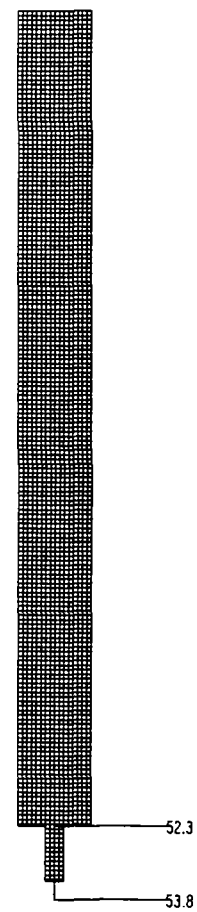
BACKFILL
12x50# bags bentonite slurry.



BOREHOLE J (-2) d

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30					SP	Fine to medium SAND with trace silt and organic material, dark gray, wet.
	0	SS	39			
35						
	0	NS	83			
40						
	0	NS	39			
45						
	0	NS	67			
50						
	0	NS	100			Total depth 53.8 feet.
55						
60						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

BOREHOLE J10a

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEO C8421635
GEOLOGIST/ENGINEER VARNUM AND LOW
DRILLING CONTRACTOR PACIFIC TESTING LAB.
DRILLING METHOD HOLLOW STEM AUGER

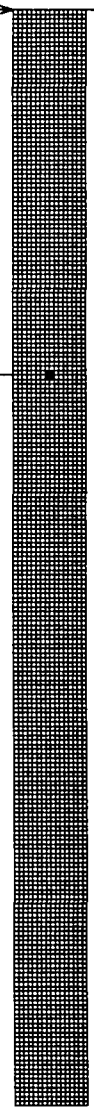
DEPTH OF BORING 58.2 FEET
DATE (s) DRILLED 1/30/92
COORDINATES 704295.75, 1426596.16
APPROXIMATE
MUD LINE ELEVATION -3.6 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0		SS	100		ML	Non-plastic SILT, dark gray, wet, sheen in small noniridescent blebs, less than 10% visible contamination.
		SS	100			trace wood
5						
		SS	100			less than 10% visible contamination, faint creosote-like odor
10		SS	100			increasing sand, noniridescent sheen, less than 10% visible contamination
		SS	100		SM/SP	Medium to fine SAND with 10% silt, wet less than 10% visible contamination in silt, no visible contamination in sand, faint creosote-like odor.
15		NS	67			
		NS	67			decreasing silt
20		SS	53		SP	Fine to medium SAND, brown, wet, less than 10% visible contamination.
		SS	53			less than 10% visible contamination
25		NS	80			trace coarse sand, no visible contamination
		NS	67			faint creosote-like odor
30						

CONSTRUCTION DETAILS

BOREHOLE 0.0
10-inch O.D. (4-inch I.D.) 0.0 to 56.7 feet, 3-inch O.D. 56.7 to 58.2 feet.

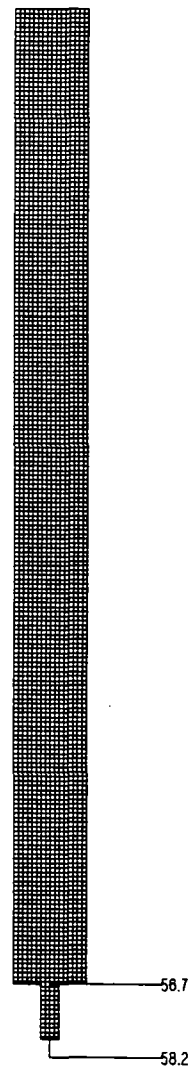
BACKFILL
9x50# bags bentonite slurry 0.00 to 58.2 feet.



BOREHOLE J10a

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
30		NS	40		SP	Fine to medium SAND, brown, wet, faint creosote-like odor.
		NS	67			
35		NS	13			
	2	NS	67			
40						
	4	NS	67			slight creosote-like odor
45						
	0	NS	67			wood fragments and increasing silt
50						
	1	NS	67			wood fragments
55						
	0	NS	67			
						Total depth 58.2 feet.
60						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

BOREHOLE K5c

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421635
GEOLOGIST/ENGINEER LIVERMORE, SAWYER
DRILLING CONTRACTOR PACIFIC TESTING LAB.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 71.5 FEET
DATE (s) DRILLED 1/15/92
COORDINATES 704565.81, 1425989.16
APPROXIMATE
MUD LINE ELEVATION 1.3 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0					ML	
	10	HS	53			SILT, with small wood fragments, nonplastic, very dark gray, wet, strong creosote-like odor.
	9	HS	80			occasional sand stringers, heavy sheen, strong creosote-like odor
5	76	HS	93			trace sand and abundant wood fragments, strong creosote-like odor
	30	SS	100		SP	Fine SAND with trace silt and occasional wood fragments, very dark gray, wet, creosote-like sheen and odor.
10	16	HS	100			heavy sheen in blebs
	72	HS	100			strong creosote-like odor
15	60	HS	53			fine to medium sand
	6	SS	67			trace gravel, creosote-like odor
20	8	SS	60			
	14	SS	40			creosote-like odor
25	15	SS	7			
	10	SS	87			no gravel, slight creosote-like odor
30						

CONSTRUCTION DETAILS

BOREHOLE
10-inch O.D. (4-inch I.D.)
0.0 to 70.0 feet, 3-inch
O.D. 70.0 to 71.5 feet.

0.0

BACKFILL
14x50# bags bentonite slurry
0.0 to 71.5 feet.

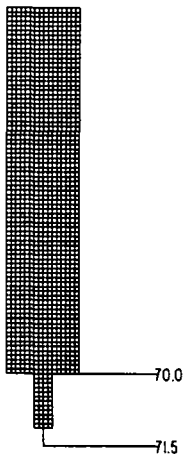
BOREHOLE K5c

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
30	6	SS	73		SP	Fine SAND with trace silt and occasional wood fragments, very dark gray, wet, creosote-like odor	
	18	SS	40			coarsening, sheen in blebs	
35	5	HS	67			heavy sheen in blebs	
	24	HS	80				
40	8	HS	67			heavy sheen in blebs	
	3	SS	100				
45	4	SS	80			increasing silt	
	7	SS	60				
50	2	SS	80				
	27	SS	80				
55	5	SS	87				
	5	SS	60				
60							

BOREHOLE K5c

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
60	3	SS	40		SP	Fine SAND with trace silt and occasional wood fragments, very dark gray, wet, creosote-like odor
	1	SS	27			
65						
	2	SS	100			large native wood fragments
	2	SS	NA			
70	2	SS	73			sheen occurs in very occasional blebs Total depth 71.5 feet.
75						
80						
85						
90						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

BOREHOLE L (-2) c

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421635
GEOLOGIST/ENGINEER VARNUM
DRILLING CONTRACTOR PACIFIC TESTING LAB.
DRILLING METHOD HOLLOW STEM AUGER

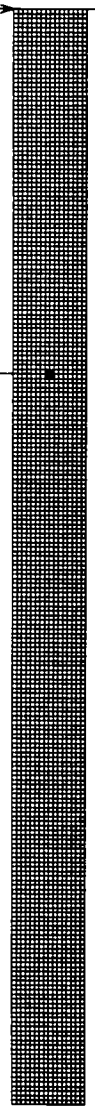
DEPTH OF BORING 51.3 FEET
DATE (s) DRILLED 1/24/92 to 1/27/92
COORDINATES 705058.62, 1425177.34
APPROXIMATE
MUD LINE ELEVATION -11.7 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	4.6	HS	11		PT	WOOD debris with heavy sheen on water, no visible contamination in wood.
					SP-SM	
	0	SS	NA			Fine to medium SAND with silt, trace fine gravel, 15 % wood debris, dark gray, wet, occasional iridescent sheen on water, less than 10% visible contamination.
5	0	SS	100			decreasing wood
	0	SS	67			
10	0	SS	NA			increasing sheen blebs in water
	0	SS	61		SP	
15	0	SS	56			Fine to medium SAND with trace coarse sand and silt, dark gray, 2 or 3 sheen blebs, dilatancy rapid. trace wood debris, very small sheen blebs
	0	SS	50			
20	0	SS	50			40 sheen blebs
	0	SS	NA			3 sheen blebs
25	0	SS	100			2 small sheen blebs (< 2mm)
	0	SS	33			occasional wood fragments, small sheen blebs
30						

CONSTRUCTION DETAILS

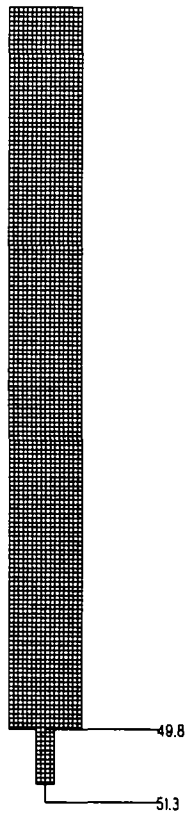
BOREHOLE 0.0
10-inch O.D. (4-inch I.D.)
0.0 to 49.8 feet, 3-inch
O.D. 49.8 to 51.3 feet.

BACKFILL
9x50# bags bentonite slurry
0.0 to 51.3 feet.



BOREHOLE L (-2) c

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
30	0	SS	NA		SP	Fine to medium SAND with trace coarse sand and silt, dark gray	
	0	NS	56				
35	0	NS	83				
	0	NS	72				
40	0	NS	72				
45	0	NS	72				
50	0	NS	NA			Total depth 51.3 feet.	
55							
60							



PTI
ENVIRONMENTAL SERVICES

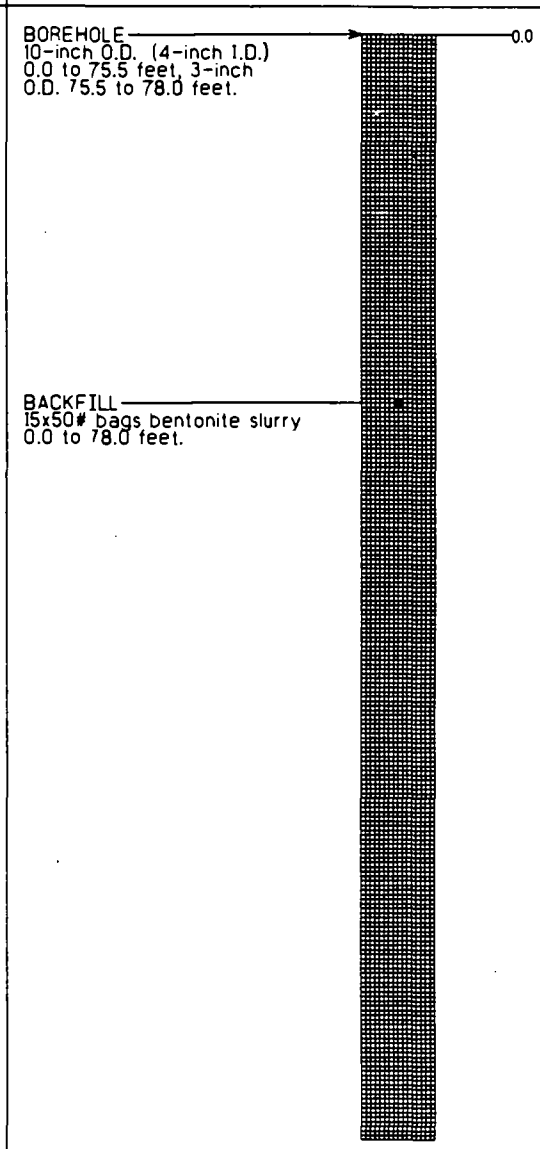
BOREHOLE L1c

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421635
GEOLOGIST/ENGINEER VARNUM AND LOW
DRILLING CONTRACTOR PACIFIC TESTING LAB.
DRILLING METHOD HOLLOW STEM AUGER

DEPTH OF BORING 78.0 FEET
DATE (s) DRILLED 1/21/92
COORDINATES 704830.75, 1425423.19
APPROXIMATE
MUD LINE ELEVATION -13.6 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0	45	HS	1		SP-SM	Fine to medium SAND with silt and wood fragments, dark gray, wet.
	52	HS	100		ML	SILT with 10 % wood and organic debris, dark gray, wet, 20% visible contamination.
5	120	HS	100			increasing sand and decreasing wood, 20-30% visible contamination.
	150	HS	33			20-30% visible contamination
10	76	HS	67		SM	Fine to medium silty SAND with wood fragments, dark gray, wet.
	55	HS	67			
15					SP	Fine to medium SAND with trace silt, very dark gray, wet, 10% visible contamination.
20	36	SS	67			
25	57	SS	87			wood fragments
	28	SS	100			sheen observed in three blebs, 5% visible contamination
30	30	SS	67			

CONSTRUCTION DETAILS



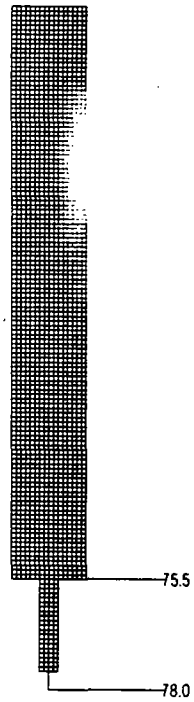
BOREHOLE L1c

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
30	30	SS	67		SP	Fine to medium SAND with trace silt, very dark gray, wet, 10% visible contamination	
	25	SS	67			decreasing wood, one bleb of contamination	
35	40	SS	67				
	10	SS	67			occasional blebs of sheen	
40	10	SS	80			occasional blebs of sheen, 5% visible contamination	
	13	SS	80				
45							
50	27.3	SS	80				
55	20	SS	80				
60							

BOREHOLE L1c

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
60	16	SS	87		SP	Fine to medium SAND with trace silt, very dark gray, wet, less than 10 blebs of sheen, creosote-like odor
65	21	SS	67			
70	19	SS	100			tive sheen blebs
75	1	NS	100			blow counts indicate very dense sand, no change in lithology Total depth 78.0 feet.
80						
85						
90						

CONSTRUCTION DETAILS



PTI
ENVIRONMENTAL SERVICES

BOREHOLE L5c

PROJECT MCCORMICK & BAXTER CREOSOTING
LOCATION PORTLAND, OREGON
CONTRACT NUMBER DEQ C8421635
GEOLOGIST/ENGINEER VARNUM
DRILLING CONTRACTOR PACIFIC TESTING LAB.
DRILLING METHOD HOLLOW STEM AUGER

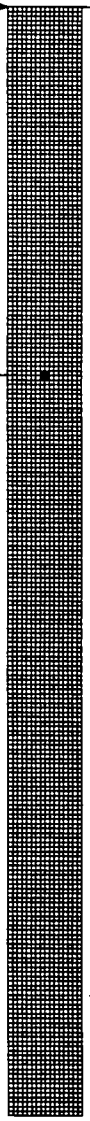
DEPTH OF BORING 63.5 FEET
DATE (s) DRILLED 1/16/92 to 1/20/92
COORDINATES 704438.56, 1425849.84
APPROXIMATE
MUD LINE ELEVATION -30.7 FEET

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION
0		HS	80		ML	SILT, dark gray, moist, strong creosote-like odor.
		SS	67			trace sand and wood fragments
5		SS	80		SW	Fine to coarse SAND with trace silt, dark gray, wet, strong creosote-like odor.
	199	HS	NA		SP	Fine SAND with trace silt, dark gray, wet.
10	499	HS	67			creosote-like odor
	344	NS	67			fine to medium sand
15		NS	80			
		NS	67			trace silt
20		NS	53			
		NS	33			
25		NS	50			
		SS	50			faint creosote-like odor
30						

CONSTRUCTION DETAILS

BOREHOLE
10-inch O.D. (4.5-inch I.D.) 0.0 to 62.0 feet, 3-inch O.D. 62.0 to 63.5 feet.

BACKFILL
17x50# bags bentonite slurry 0.0 to 63.5 feet.



BOREHOLE L5c

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
30		SS	33		SP	Fine SAND with trace silt, dark gray, wet	
		HS	47			high sheen in blebs, strong creosote-like odor	
35		HS	33			occasional sheen blebs	
		SS	33			slight sheen in blebs	
40		NS	33				
		SS	67			slight sheen in soil, 1 sheen bleb	
45		SS	67				
		NS	67				
50		SS	100			3 to 5 blebs of sheen	
55		NS	100				
60							

BOREHOLE L5c

DEPTH IN FEET	OVM (ppm)	SHEEN/CAT.	% RECOVERY	SAMPLER	LITHOLOGIC DESCRIPTION	BORING DESCRIPTION	CONSTRUCTION DETAILS
60					SP		
		NS	33			Total depth 63.5 feet.	62.0
65							63.5
70							
75							
80							
85							
90							

Standard Penetration Test (N)
Blow Count Data

STANDARD PENETRATION TEST (N)
BLOW COUNT DATA

Depth	Material	Blow Counts
Source Borings		
Borehole 8a		
0–1.5	SP	7-8-16
1.5–3.0	SP	11-16-4
3.0–4.5	SP	6-6-8
4.5–6.0	SP	6-8-8
9.0–9.5	SP	7-9-11
15.0–16.5	SP	5-10-13
Borehole E9a		
0–1.5	SM	3-4-5
1.5–3.0	SP-SM	4-4-5
3.0–4.5	SP	5-5-3
4.5–6.0	SP	4-5-5
10.0–11.5	SP	2-1-3
20.0–21.5	SP	8-10-10
25.0–26.5	SP	3-4-7
30.0–31.5	SP	3-4-7
35.0–36.5	ML	3-3-4
Borehole E9b		
0–1.5	SP	3-10-10
1.5–3.0	SP	8-7-7
3.0–4.5	SP	8-7-7
4.5–6.0	SP	1-2-1
10.0–11.5	SP	5-8-9
15.0–16.5	SP	5-8-13
Borehole F7a		
0–1.5	SM	5-7-9
1.5–3.0	SM-SP	6-4-3
3.0–4.5	SP	2-4-13
4.5–6.0	SP	5-6-7
10.0–11.5	SP	6-7-9

Depth	Material	Blow Counts
Borehole F7b		
0–1.5	SM	7-6-5
1.5–3.0	SW-SM	7–50 (refusal) (hit wood)
3.0–4.5	SM	7-10-10
4.5–6.0	SM	9-10-7
10.0–11.5	SM	7-10-10
15.0–16.5	PT	5-6-4
20.0–21.5	PT	15-13-20
25.0–26.5	PT-ML	7-6-7
Borehole FBa		
0–2.0	PT-SP	8-21-12 (over penetration)
2.0–3.5	SP	6-6-10
3.5–5.0	SP	5-6-7
10.0–11.5	SP	6-8-10
15.0–16.5	PT	4-5-5
20.0–21.5	PT	15-12-12
25.0–26.5	PT-ML	3-3-4
30.0–31.5	ML	3-3-3
Borehole F8b		
0–1.5	SP-ML	4-5-7
1.5–3.0	SP	8-8-11
10.0–11.5	SP	6-6-5
15.0–16.5	SP	6-9-9
20.0–21.5	PT	3-5-5
25.0–26.5	SP	7-19-20
30.0–31.5	ML	3-3-3
Borehole F10a		
0–1.5	SM-SP	3-4-6
1.5–3.0	SP	8-11-13
3.0–4.5	SP	6-7-9
10.0–11.5	SP-PT	5-5-7
15.0–16.5	PT	5-5-6

Depth	Material	Blow Counts
Borehole F10a (cont.)		
20.0–21.5	SP	11-13-20
24.0–25.5	SP	3-4-4
30.0–31.5	ML	20-3-3
Borehole H5c		
0–1.5	SW	4-4-6
1.5–3.0	SW	7-9-8
3.0–4.5	SW	5-7-8
4.5–6.0	SW	5-5-6
10.0–11.5	SW	5-7-8
15.0–16.5	SW	7-8-10
20.0–21.5	SW	6-5-3
Borehole H5d		
0–1.5	SP	5-8-9
1.5–3.0	SP	7-12-12
3.0–4.5	SP	14-12-11
4.5–6.0	SW	5-7-10
10.0–11.5	SP	4-5-5
15.0–16.5	SP	4-5-5
20.0–21.5	SP	5-6-7
Borehole H11a		
0–1.5	GW	14-10-7
1.5–3.0	GW-SP	12-16-24
3.0–4.5	SP	9-12-9
4.5–6.0	SW	9-12-9
10.0–11.5	SP	9-16-21
15.0–16.5	SP	7-16-14
Beach Wells		
MW-26s		
1.5–3.0	SP	2-4-3
3.0–4.5	SP	2-3-1
4.5–6.0	SP	1-2-3

Depth	Material	Blow Counts
MW-26s (cont.)		
6.0–7.5	SP	2-1-2
7.5–9.0	SP	1-2-2
9.0–10.5	SP	1-1-2
10.5–12.0	SP	2-4-2
12.0–13.5	SP	2-3-4
13.5–15.0	SP	1-1-3
15.0–16.5	SP	1-1-1
16.5–18.0	SP	4-5-7
19.5–21.0	SP	2-3-4
21.0–22.5	SP	2-4-5
22.5–24.0	SP	2-3-7
24.0–25.5	SP	6-6-8
25.5–27.0	SP	3-5-6
27.0–28.5	SP	3-4-5
28.5–30.0	SP	4-4-6
MW-26s		
0–1.5	SP	1-2-4
1.5–3.0	SP	2-2-4
3.0–4.5	SW	2-2-3
7.5–9.0	SP	2-4-5
9.0–10.5	SP	2-5-6
10.5–12.0	SP	1-1-2
12.0–13.5	ML-SM	1-0-2
16.5–18.0	SP	1-1-2
18.0–19.5	SM-SW	5-6-5
MW-28s		
0–1.5	SP	1-1-3
1.5–3.0	SP	1-3-5
3.0–4.5	SP	1-5-6
4.5–6.0	SP	2-4-3
6.0–7.5	SP	1-1-2
7.5–9.0	SP	1-1-1
9.0–10.5	SP	1-1-1

Depth	Material	Blow Counts
MW-28s (cont.)		
10.5–12.0	SP	1-1-3
12.0–13.5	SP-ML	1-2-1
13.5–15.0	ML	1-0-2
15.0–16.5	ML	1-1-1
16.5–18.0	ML	1-1-3
18.0–19.5	ML	1-1-3
MW-S0s		
0–1.5	SP	3-3-5
1.5–3.0	SP	1-3-5
4.5–6.0	SP	2-3-5
6.0–7.5	SP	2-3-5
9.0–10.5	SP	3-4-5
10.5–12.0	SP	7-6-6
12.0–13.5	SP	5-6-6
13.5–15.0	SP	1-2-11
15.0–16.5	SP	2-4-6
16.5–18.0	SP	1-2-4
18.0–19.5	SP	3-3-4
19.5–21.0	SP-ML	2-2-4
21.0–22.5	SP	1-3-6
22.5–24.0	SP	2-5-7
24.0–25.5	SP	3-5-9
25.5–27.0	SP	1-2-4
27.0–28.5	SP	3-3-3
28.5–30.0	SP	2-3-6
MW-31s		
0–1.5	SP	1-1-1
1.5–3.0	SP	4-5-3
3.0–4.5	sp	1-3-7
4.5–6.0	SP	1-3-3
6.0–7.5	SP	1-1-3
7.5–9.0	SP	1-2-4
9.0–10.5	SP	0-1-1

Depth	Material	Blow Counts
MW-31s (cont.)		
10.5–12.0	SP	1-2-3
12.0–13.5	SP	1-3-3
13.5–15.0	SP	2-2-3
15.0–16.5	SP	1-2-3
16.5–18.0	SP	2-2-1
18.0–19.5	SP	2-2-1
19.5–21.0	SP	1-3-4
21.0–22.5	SP	0-3-4
22.5–24.0	SP	3-3-5
24.0–25.5	SP	2-4-4
25.5–27.0	SP	2-4-7
27.0–28.5	SP	5-15-13
28.5–30.0	SP	4-11-12

Note: Boreholes F4a, F4b, H5a, and H5b were grab sampled only.

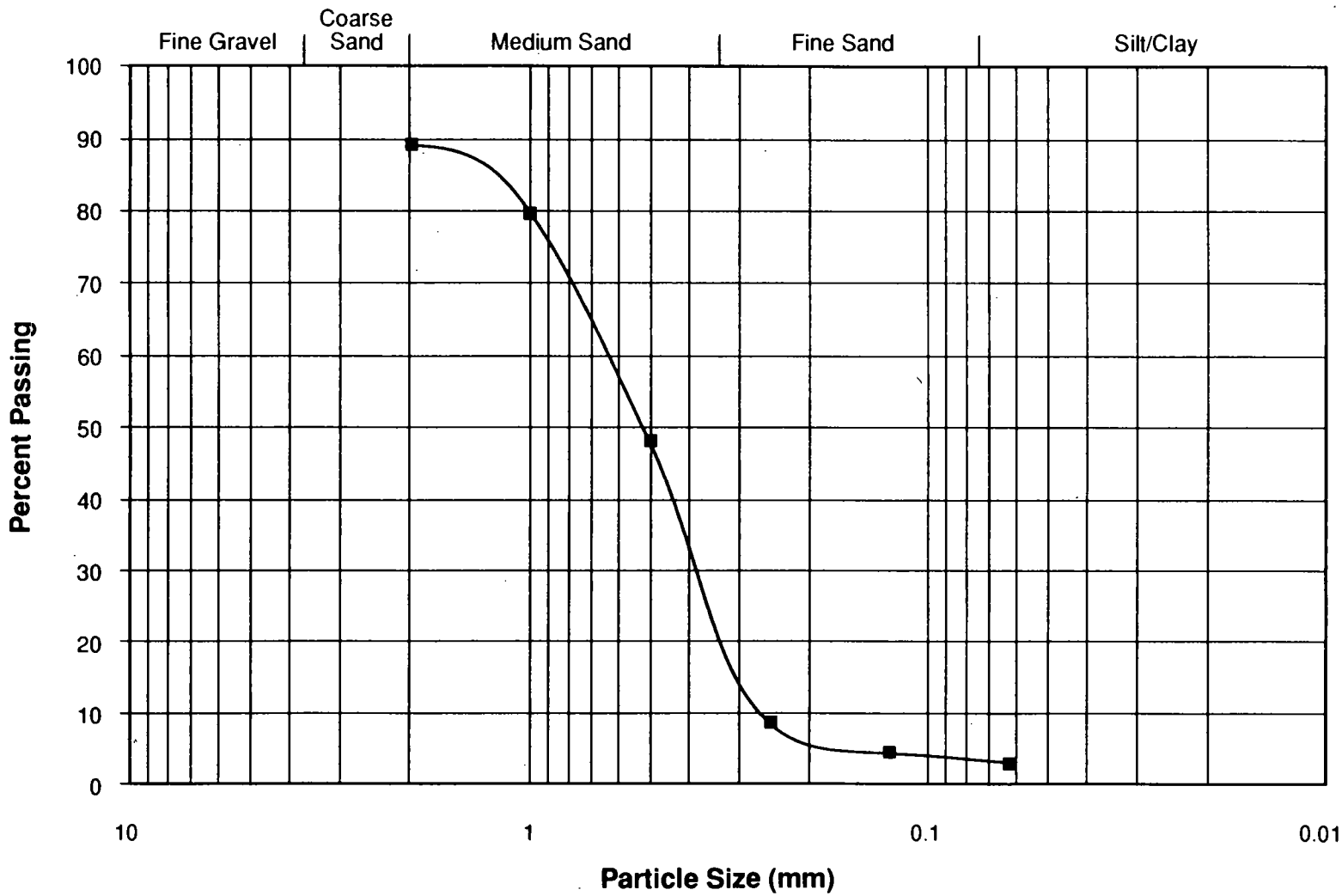
Blow count data not usable for MW-25, BH-27, and BH-29.

Hammer weight and drop as per ASTM Method D1586-84, 140 lb and 30 in.

Particle Size Distribution Plots

Station: E9b
Sample No: 28383
Depth: 10 ft
Classification: SP

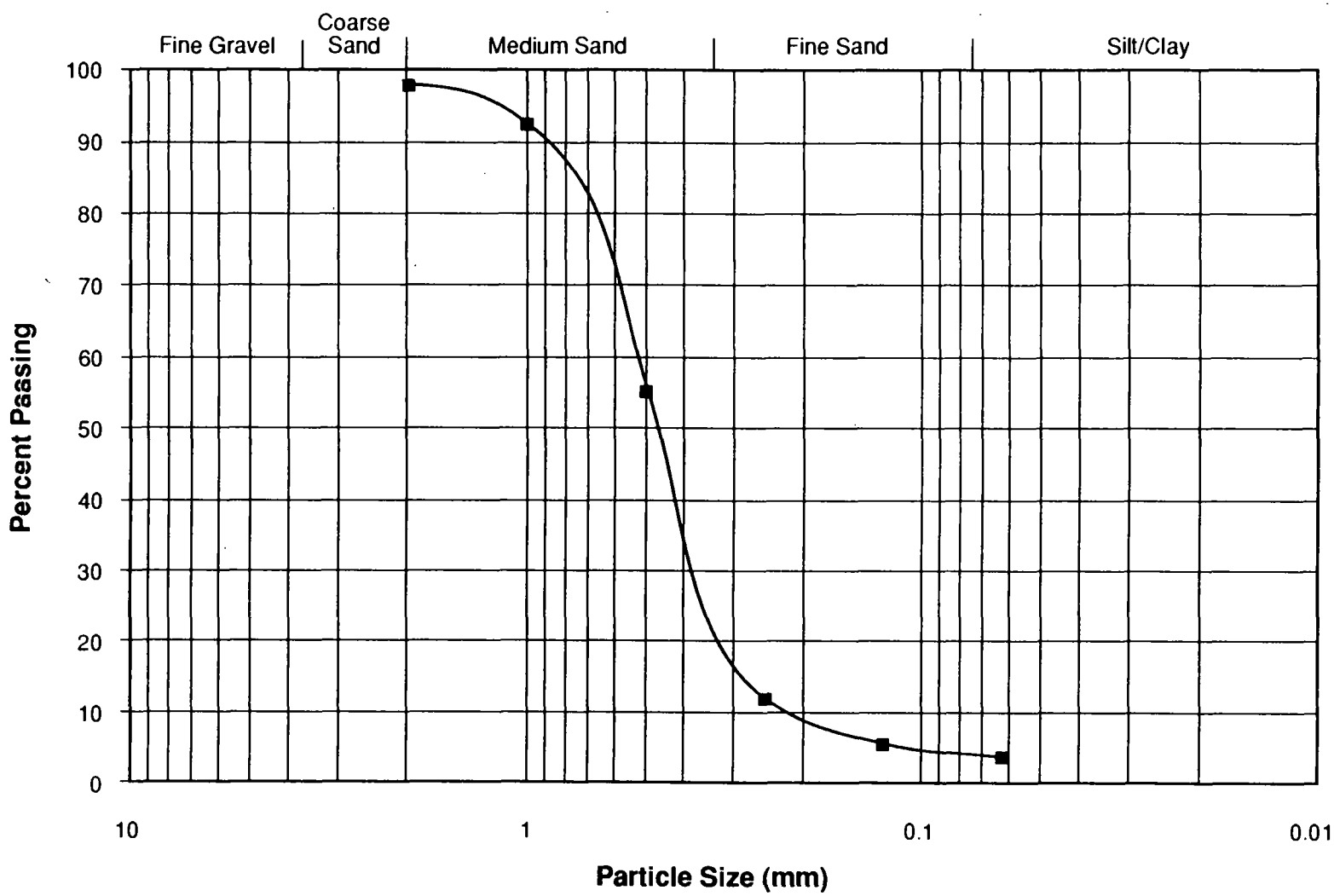
Particle Size Distribution



C842 16-06 0992

Station: F4a
Sample No: 38826
Depth: 1-2 ft
Classification: SP

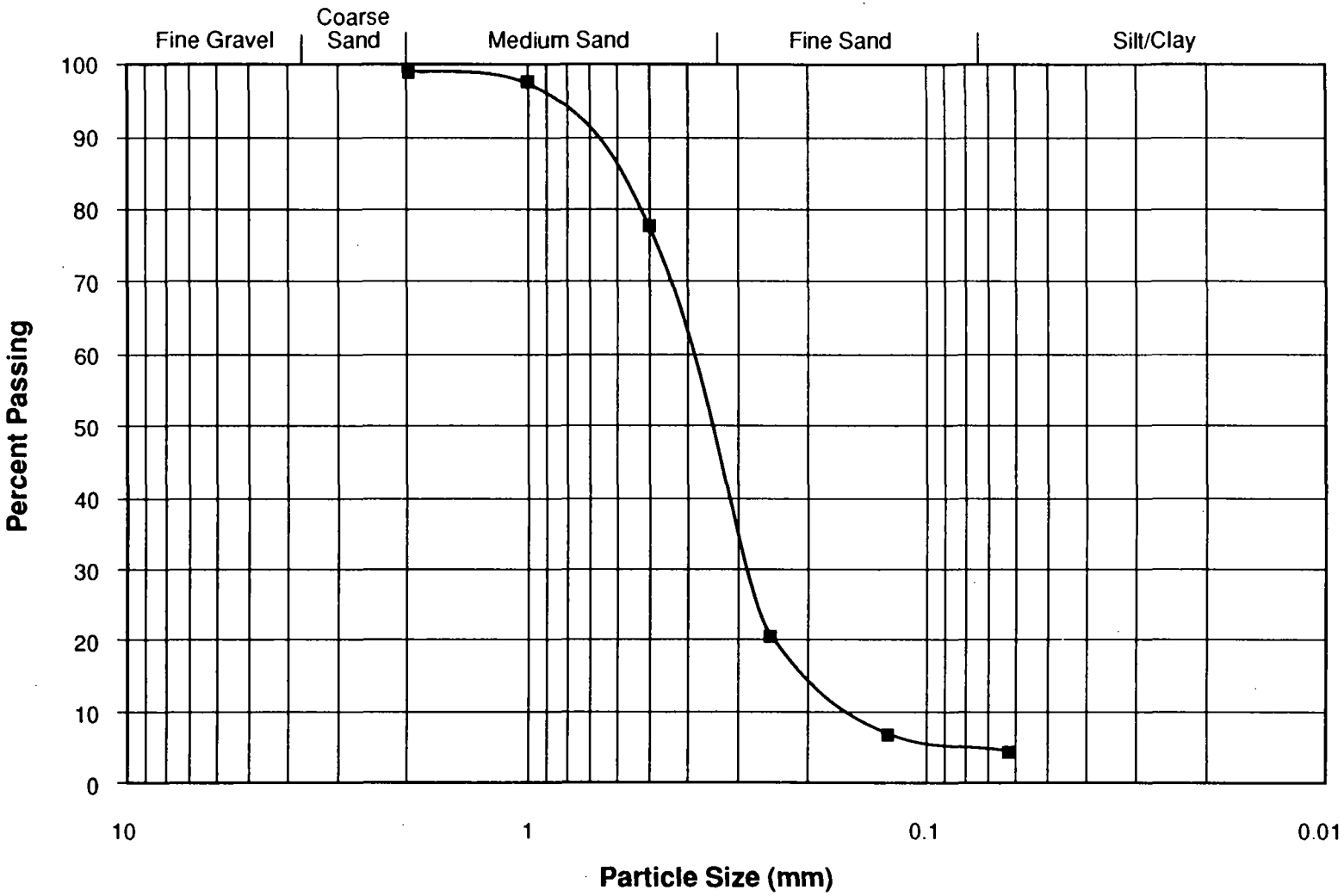
Particle Size Distribution



C842-16-06 0992

Station: H5d
Sample No: 36097
Depth: 15 ft
Classification: SP

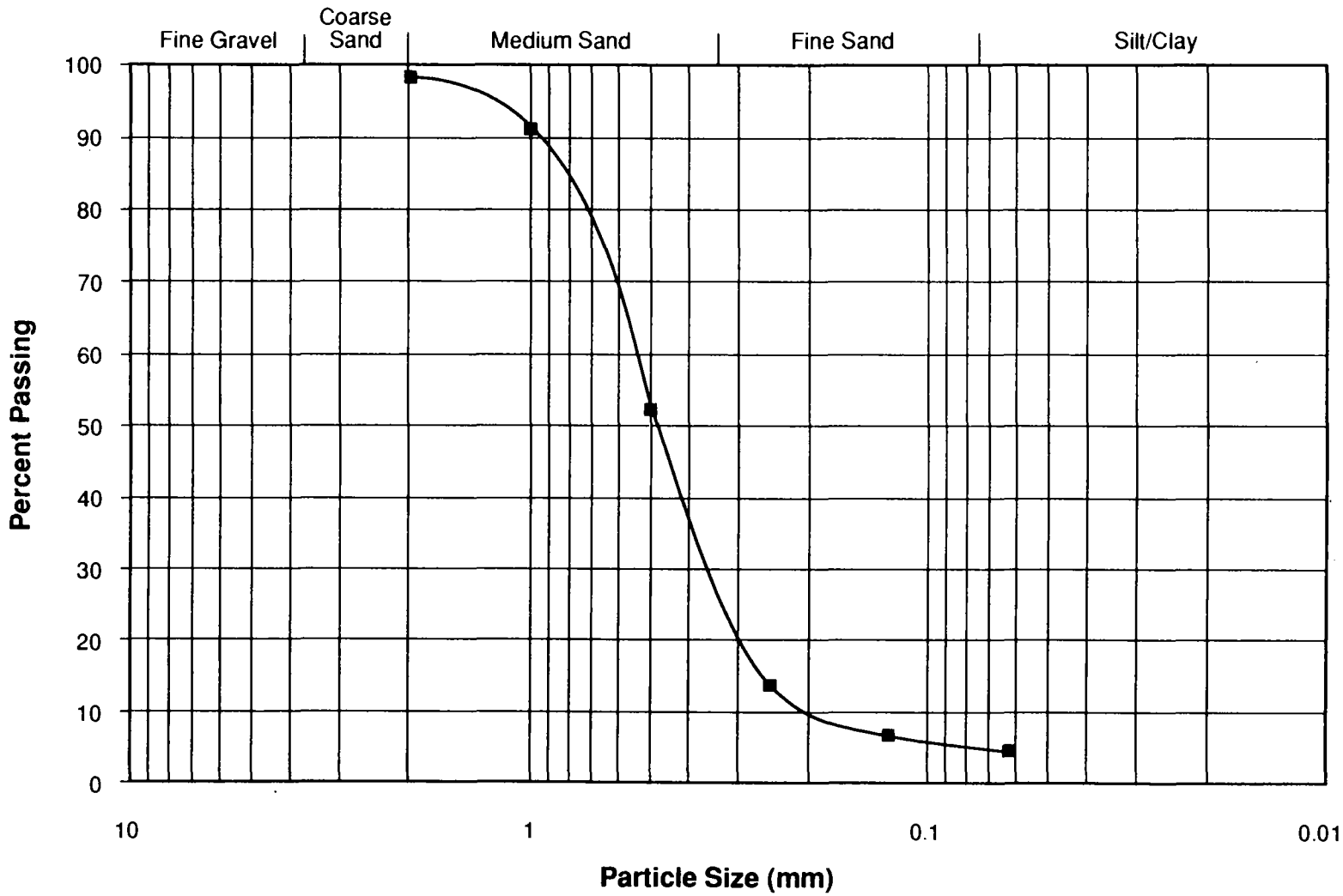
Particle Size Distribution



C842-16-06 0002

Station: K5c
Sample No: 35048
Depth: 10 ft
Classification: SP

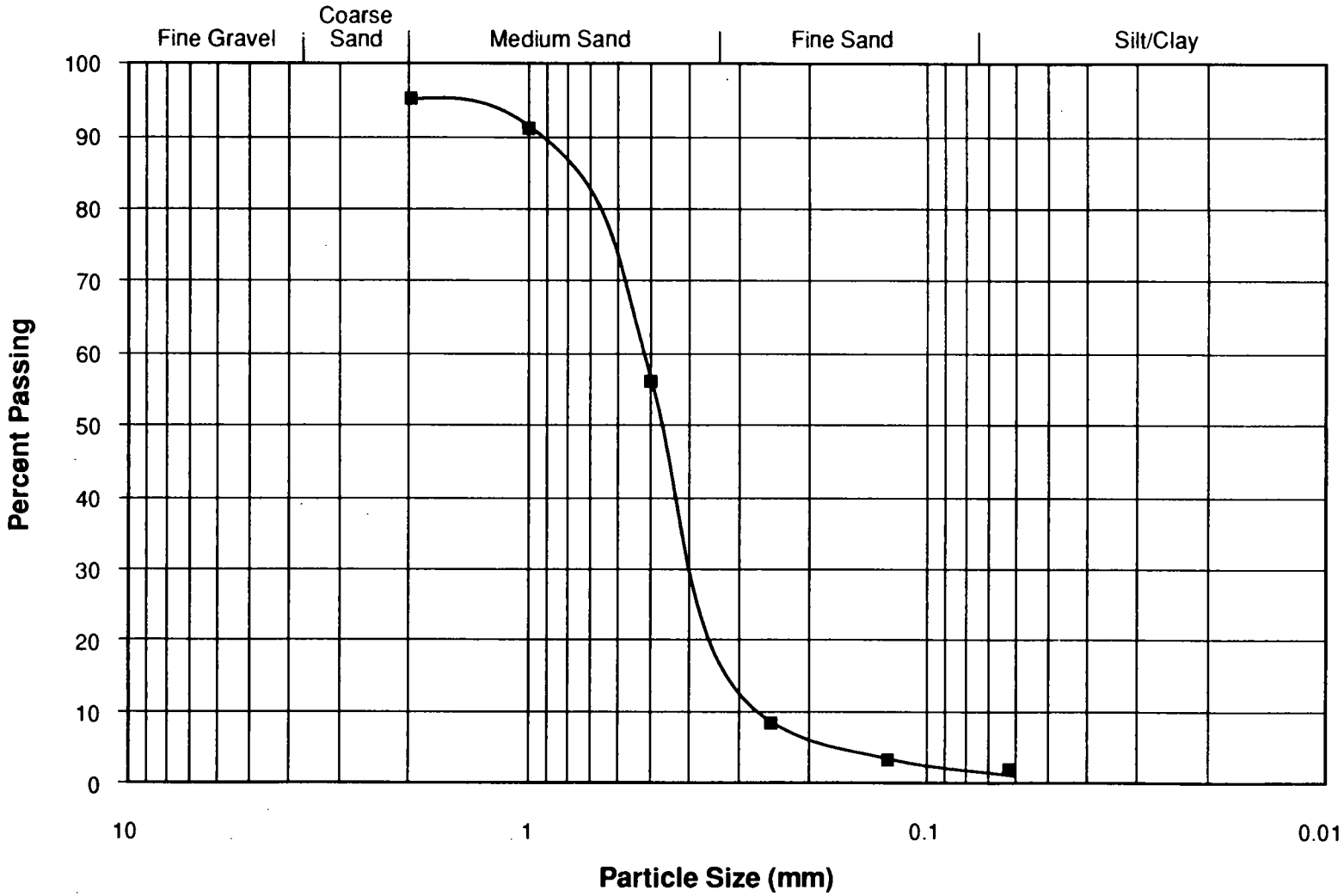
Particle Size Distribution



C842-16-06 0992

Station: MW-23d
Sample No: 27293
Depth: 7-8 ft
Classification: SP

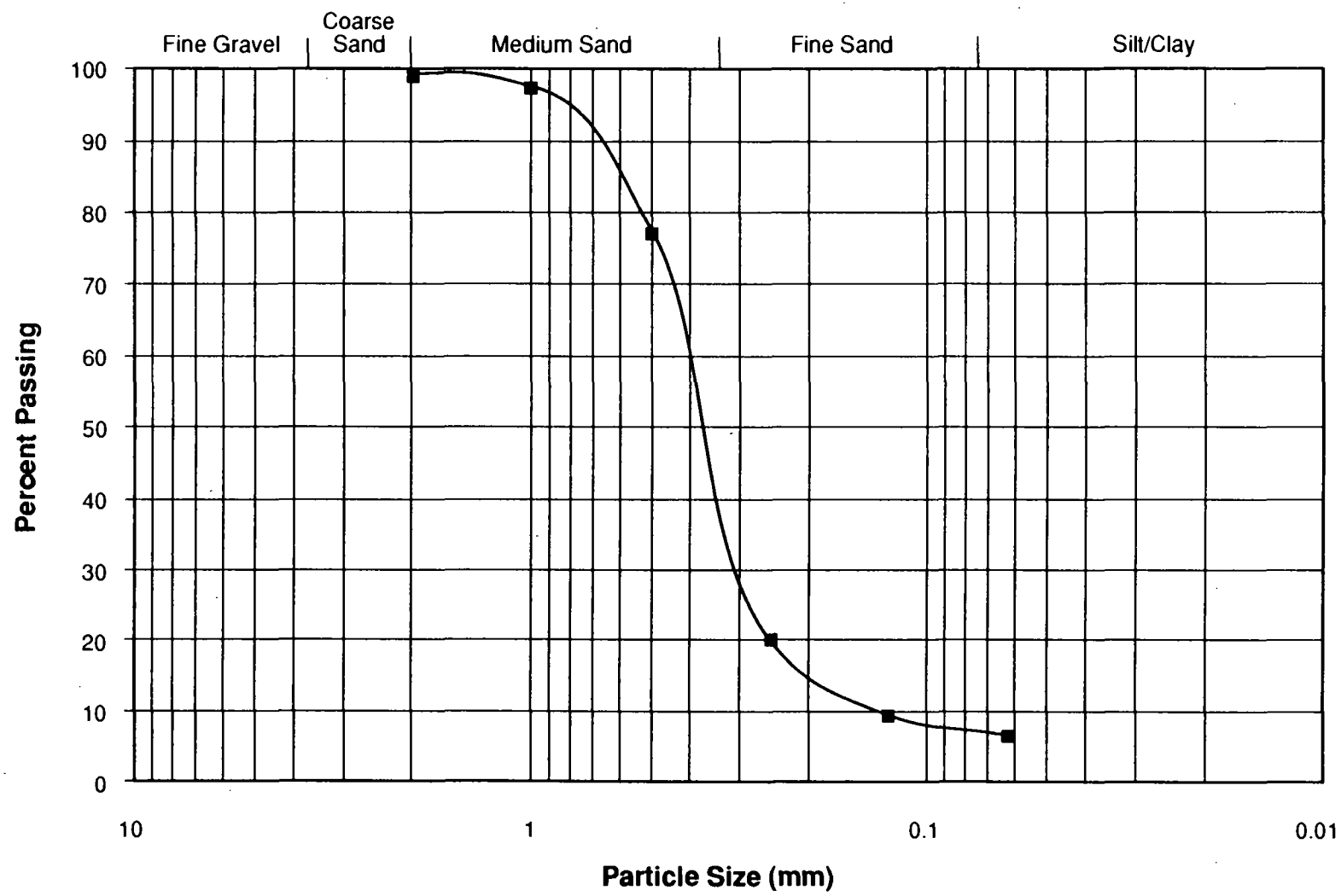
Particle Size Distribution



C842-16-06 0992

Station: F8a
Sample No: 28319
Depth: 10 ft
Classification: SP-SM

Particle Size Distribution



C842-16-06 0992

APPENDIX F

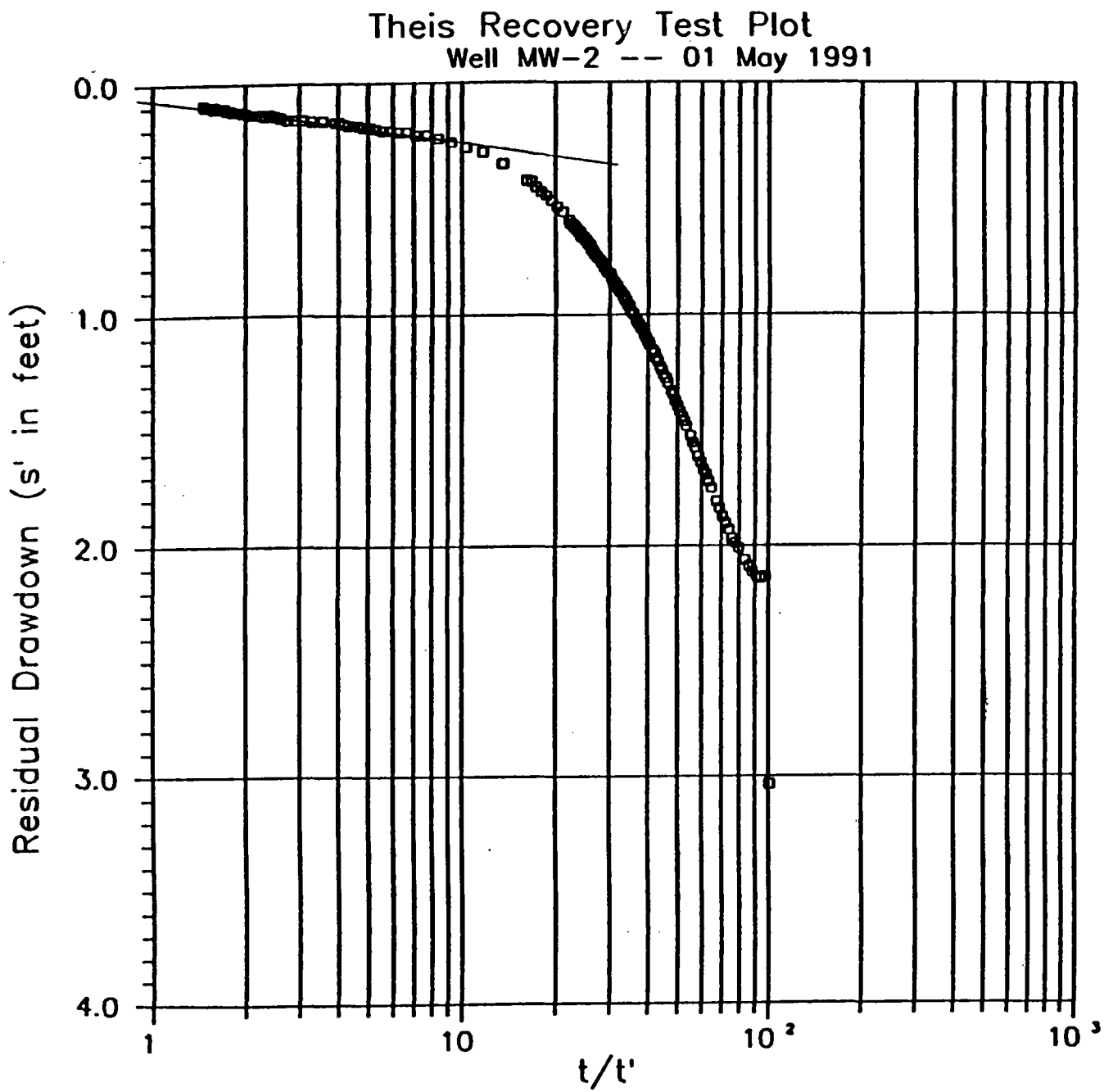
Aquifer Properties

INTRODUCTION

This appendix provides summaries of groundwater measurements and aquifer test data. The aquifer test data include both the raw bail test and the Bouwer & Rice data plots for each test. This appendix is presented in the following order:

- Aquifer Test Data (p. F-1)
- Monthly Water Level Measurements (p. F-294)
- Vertical Gradients (p. F-298)

Aquifer Test Data


Theis Recovery Test Plot
Well MW-2 -- 01 May 1991
Residual Drawdown (s' in feet)
0.0
1.0
2.0
3.0
4.0
1
10
10 ²
10 ³
t/t'

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-02s

Initial DTW @ time < 0:	21.36	(feet)
Depth to top of sandpack:	8	(feet)
Depth to top of screen:	13	(feet)
H = Initial head @ time < 0:	6.32	(feet)
H(0)= Head at time = 0:	3.71	(feet)
D = Length of well screen:	20.00	(feet)
L = Length of saturated sandpack:	13.6	(feet)
rc = Radius of well casing:	1.00	(inches)
re = Radius of borehole:	10.00	(inches)
d = Length watertable to bottom of well:	14.6	(feet)
Length watertable to bottom of sandpack:	13.6	(feet)
D = Aquifer thickness: (estimated)	100	(feet)
Partial Penetration (Y/N):	Y	

Slug Length	NA	(feet)
Slug Diameter	NA	(inches)
Slug Volume	NA	(gallons)
Slug Height in Wel	NA	(feet)
Begin Pumping	09:42:00	
Duration	72.00	(minutes)
Average Flow	4.3	(gpm)
Total Drawdown	3.71	(feet)

Test Start Date >>>>>>	01-May-91
Test Start Time >>>>>>	10:54:00
Test Type >>>>>>>>>>>>	Recovery
Head at T<0 >>>>>>>>>>	6.32

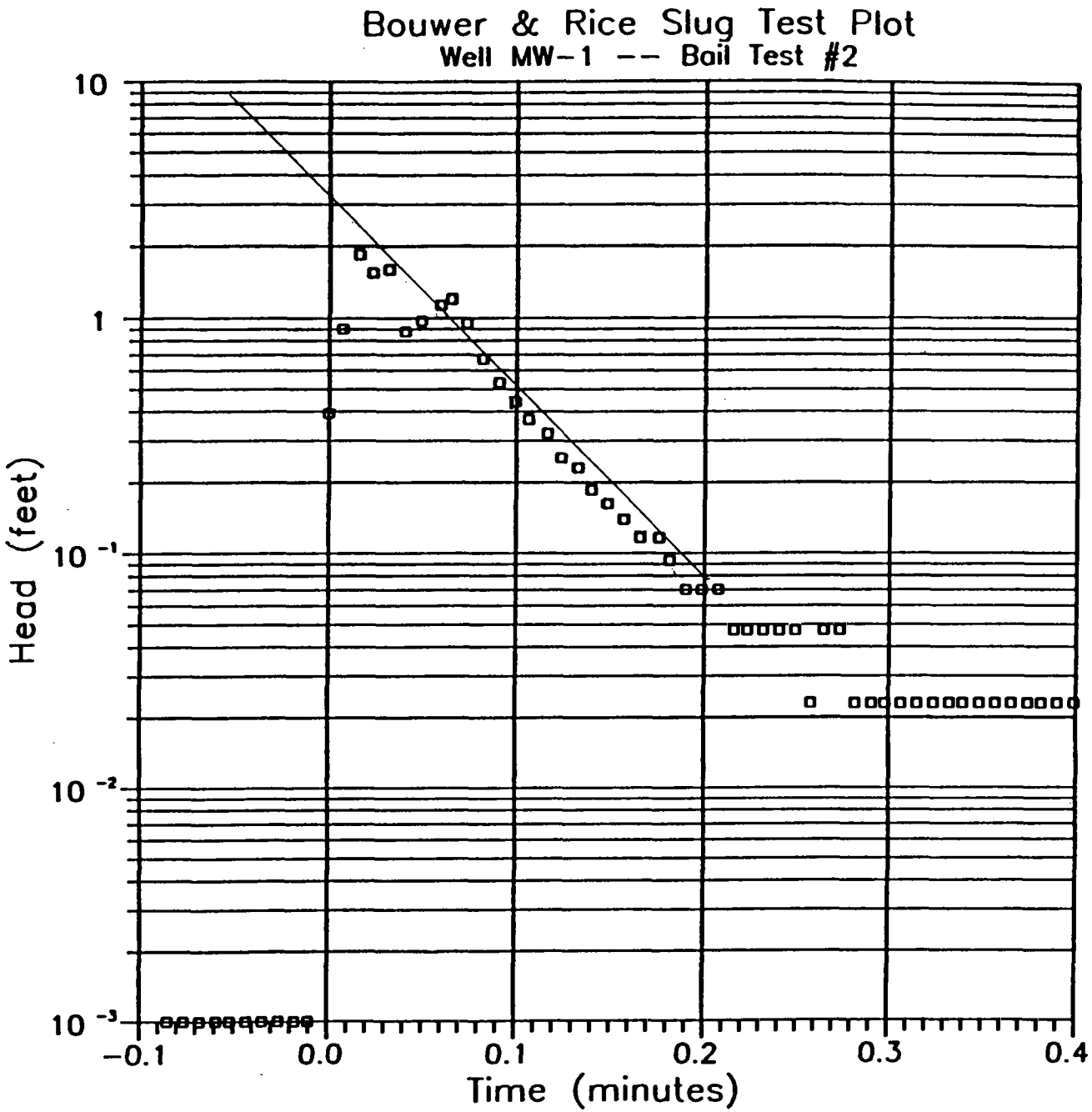
DATE (Lotus value)	TiME (day) 0.40417	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	t/t'	s' (feet)	COMMENTS
	0.405							
33359.45417	0.45417		01-May-91	10:54:00	0.0000	ERR	10.030	Pump Shut-off
33359.454387	0.454387	-0.021656	01-May-91	10:54:19	0.3125	231.430	10.052	XD On
33359.454405	0.454405	-0.028875	01-May-91	10:54:21	0.3384	213.780	10.059	
33359.454422	0.454422	-0.021656	01-May-91	10:54:22	0.3629	199.425	10.052	
33359.45444	0.45444	-0.021656	01-May-91	10:54:24	0.3888	186.197	10.052	
33359.454456	0.454456	-0.028875	01-May-91	10:54:25	0.4118	175.836	10.059	
33359.454487	0.454487	-0.021656	01-May-91	10:54:28	0.4565	158.739	10.052	
33359.454503	0.454503	-0.036094	01-May-91	10:54:29	0.4795	151.160	10.066	
33359.454521	0.454521	-0.036094	01-May-91	10:54:31	0.5054	143.459	10.066	
33359.454538	0.454538	-0.028875	01-May-91	10:54:32	0.5299	136.878	10.059	
33359.454556	0.454556	-0.036094	01-May-91	10:54:34	0.5558	130.542	10.066	
33359.454573	0.454573	-0.036094	01-May-91	10:54:35	0.5803	125.077	10.066	
33359.45459	0.45459	-0.028875	01-May-91	10:54:37	0.6048	120.055	10.059	
33359.454606	0.454606	-0.014438	01-May-91	10:54:38	0.6278	115.686	10.044	
33359.454637	0.454637	-0.0072188	01-May-91	10:54:41	0.6725	108.073	10.037	
33359.454654	0.454654	4.4179	01-May-91	10:54:42	0.6970	104.312	5.612	
33359.454671	0.454671	6.995	01-May-91	10:54:44	0.7214	100.807	3.035	XD in well
33359.454689	0.454689	7.8973	01-May-91	10:54:45	0.7474	97.3455	2.133	
33359.454706	0.454706	7.8901	01-May-91	10:54:47	0.7718	94.2898	2.140	
33359.454723	0.454723	7.8973	01-May-91	10:54:48	0.7963	91.4219	2.133	
33359.45474	0.45474	7.919	01-May-91	10:54:50	0.8208	88.7251	2.111	

33359.454757	0.454757	7.9406	01-May-91	10:54:51	0.8453	86.1845	2.089
33359.454774	0.454774	7.9695	01-May-91	10:54:52	0.8698	83.7869	2.061
33359.454804	0.454804	8.02	01-May-91	10:54:55	0.9130	79.8696	2.010
33359.454822	0.454822	8.0417	01-May-91	10:54:57	0.9389	77.6922	1.988
33359.454839	0.454839	8.0633	01-May-91	10:54:58	0.9634	75.7433	1.967
33359.454856	0.454856	8.0994	01-May-91	10:55:00	0.9878	73.8911	1.931
33359.454874	0.454874	8.1283	01-May-91	10:55:01	1.0138	72.0274	1.902
33359.45489	0.45489	8.1572	01-May-91	10:55:02	1.0368	70.4490	1.873
33359.454907	0.454907	8.1933	01-May-91	10:55:04	1.0613	68.8471	1.837
33359.454925	0.454925	8.2222	01-May-91	10:55:06	1.0872	67.2295	1.808
33359.454955	0.454955	8.2799	01-May-91	10:55:08	1.1304	64.6985	1.750
33359.454972	0.454972	8.3088	01-May-91	10:55:10	1.1549	63.3482	1.721
33359.454988	0.454988	8.3377	01-May-91	10:55:11	1.1779	62.1287	1.692
33359.455006	0.455006	8.3593	01-May-91	10:55:13	1.2038	60.8125	1.671
33359.455023	0.455023	8.3882	01-May-91	10:55:14	1.2283	59.6205	1.642
33359.455041	0.455041	8.4171	01-May-91	10:55:16	1.2542	58.4091	1.613
33359.455058	0.455058	8.4532	01-May-91	10:55:17	1.2787	57.3100	1.577
33359.455075	0.455075	8.4748	01-May-91	10:55:18	1.3032	56.2523	1.555
33359.455091	0.455091	8.5037	01-May-91	10:55:20	1.3262	55.2924	1.526
33359.455123	0.455123	8.547	01-May-91	10:55:23	1.3723	53.4693	1.483
33359.455139	0.455139	8.5687	01-May-91	10:55:24	1.3954	52.6030	1.461
33359.455156	0.455156	8.5903	01-May-91	10:55:25	1.4198	51.7133	1.440
33359.455174	0.455174	8.612	01-May-91	10:55:27	1.4458	50.8041	1.418
33359.455191	0.455191	8.6336	01-May-91	10:55:29	1.4702	49.9748	1.396
33359.455208	0.455208	8.6553	01-May-91	10:55:30	1.4947	49.1727	1.375
33359.455226	0.455226	8.6842	01-May-91	10:55:32	1.5206	48.3516	1.346
33359.455242	0.455242	8.6986	01-May-91	10:55:33	1.5437	47.6449	1.331
33359.455272	0.455272	8.7347	01-May-91	10:55:36	1.5869	46.3750	1.295
33359.455289	0.455289	8.7563	01-May-91	10:55:37	1.6114	45.6857	1.274
33359.455307	0.455307	8.7708	01-May-91	10:55:39	1.6373	44.9783	1.259
33359.455324	0.455324	8.7924	01-May-91	10:55:40	1.6618	44.3304	1.238
33359.45534	0.45534	8.8069	01-May-91	10:55:41	1.6848	43.7378	1.223
33359.455358	0.455358	8.8285	01-May-91	10:55:43	1.7107	43.0903	1.202
33359.455375	0.455375	8.843	01-May-91	10:55:44	1.7352	42.4965	1.187
33359.455392	0.455392	8.8646	01-May-91	10:55:46	1.7597	41.9192	1.165
33359.45541	0.45541	8.8791	01-May-91	10:55:47	1.7856	41.3252	1.151
33359.45544	0.45544	8.9007	01-May-91	10:55:50	1.8288	40.3727	1.129
33359.455457	0.455457	8.9152	01-May-91	10:55:51	1.8533	39.8526	1.115
33359.455475	0.455475	8.9296	01-May-91	10:55:53	1.8792	39.3167	1.100
33359.455491	0.455491	8.944	01-May-91	10:55:54	1.9022	38.8526	1.086
33359.455508	0.455508	8.9657	01-May-91	10:55:56	1.9267	38.3716	1.064
33359.455525	0.455525	8.9729	01-May-91	10:55:57	1.9512	37.9028	1.057
33359.455543	0.455543	8.9873	01-May-91	10:55:59	1.9771	37.4190	1.043
33359.45556	0.45556	8.9946	01-May-91	10:56:00	2.0016	36.9736	1.035
33359.455578	0.455578	9.009	01-May-91	10:56:02	2.0275	36.5137	1.021
33359.455606	0.455606	9.0307	01-May-91	10:56:04	2.0678	35.8212	0.999
33359.455624	0.455624	9.0379	01-May-91	10:56:06	2.0938	35.3901	0.992
33359.455641	0.455641	9.0451	01-May-91	10:56:07	2.1182	34.9927	0.985
33359.455659	0.455659	9.0668	01-May-91	10:56:09	2.1442	34.5818	0.963
33359.455676	0.455676	9.074	01-May-91	10:56:10	2.1686	34.2027	0.956

33359.455692	0.455692	9.0884	01-May-91	10:56:12	2.1917	33.8537	0.942
33359.455709	0.455709	9.0956	01-May-91	10:56:13	2.2162	33.4907	0.934
33359.455727	0.455727	9.1101	01-May-91	10:56:15	2.2421	33.1151	0.920
33359.455757	0.455757	9.1245	01-May-91	10:56:17	2.2853	32.5080	0.906
33359.455774	0.455774	9.1317	01-May-91	10:56:19	2.3098	32.1741	0.898
33359.455792	0.455792	9.1389	01-May-91	10:56:20	2.3357	31.8281	0.891
33359.455809	0.455809	9.1534	01-May-91	10:56:22	2.3602	31.5084	0.877
33359.455825	0.455825	9.1606	01-May-91	10:56:23	2.3832	31.2134	0.869
33359.455843	0.455843	9.1678	01-May-91	10:56:25	2.4091	30.8884	0.862
33359.45586	0.45586	9.175	01-May-91	10:56:26	2.4336	30.5877	0.855
33359.455877	0.455877	9.1895	01-May-91	10:56:28	2.4581	30.2931	0.840
33359.455895	0.455895	9.2039	01-May-91	10:56:29	2.4840	29.9874	0.826
33359.455924	0.455924	9.2111	01-May-91	10:56:32	2.5258	29.5081	0.819
33359.455941	0.455941	9.2183	01-May-91	10:56:33	2.5502	29.2345	0.812
33359.455958	0.455958	9.2328	01-May-91	10:56:35	2.5747	28.9660	0.797
33359.455976	0.455976	9.2328	01-May-91	10:56:36	2.6006	28.6873	0.797
33359.455993	0.455993	9.2472	01-May-91	10:56:38	2.6251	28.4291	0.783
33359.456009	0.456009	9.2544	01-May-91	10:56:39	2.6482	28.1905	0.776
33359.456027	0.456027	9.2617	01-May-91	10:56:41	2.6741	27.9269	0.768
33359.456044	0.456044	9.2689	01-May-91	10:56:42	2.6986	27.6826	0.761
33359.456074	0.456074	9.2761	01-May-91	10:56:45	2.7418	27.2622	0.754
33359.456091	0.456091	9.2833	01-May-91	10:56:46	2.7662	27.0298	0.747
33359.45611	0.45611	9.2905	01-May-91	10:56:48	2.7936	26.7749	0.740
33359.456127	0.456127	9.2978	01-May-91	10:56:49	2.8181	26.5510	0.732
33359.456144	0.456144	9.305	01-May-91	10:56:51	2.8426	26.3309	0.725
33359.456161	0.456161	9.3122	01-May-91	10:56:52	2.8670	26.1146	0.718
33359.456178	0.456178	9.3266	01-May-91	10:56:54	2.8915	25.9020	0.703
33359.456196	0.456196	9.3338	01-May-91	10:56:55	2.9174	25.6808	0.696
33359.456213	0.456213	9.3338	01-May-91	10:56:57	2.9419	25.4754	0.696
33359.456242	0.456242	9.3483	01-May-91	10:56:59	2.9837	25.1328	0.682
33359.456259	0.456259	9.3483	01-May-91	10:57:01	3.0082	24.9364	0.682
33359.456277	0.456277	9.3555	01-May-91	10:57:02	3.0341	24.7320	0.675
33359.456294	0.456294	9.3627	01-May-91	10:57:04	3.0586	24.5420	0.667
33359.456311	0.456311	9.3627	01-May-91	10:57:05	3.0830	24.3551	0.667
33359.456329	0.456329	9.3699	01-May-91	10:57:07	3.1090	24.1604	0.660
33359.456346	0.456346	9.3844	01-May-91	10:57:08	3.1334	23.9794	0.646
33359.456363	0.456363	9.3844	01-May-91	10:57:10	3.1579	23.8013	0.646
33359.456394	0.456394	9.3916	01-May-91	10:57:12	3.2026	23.4835	0.638
33359.456411	0.456411	9.3988	01-May-91	10:57:14	3.2270	23.3129	0.631
33359.456428	0.456428	9.406	01-May-91	10:57:15	3.2515	23.1449	0.624
33359.456446	0.456446	9.406	01-May-91	10:57:17	3.2774	22.9698	0.624
33359.456462	0.456462	9.4133	01-May-91	10:57:18	3.3005	22.8164	0.617
33359.45648	0.45648	9.4205	01-May-91	10:57:20	3.3264	22.6464	0.609
33359.456498	0.456498	9.4205	01-May-91	10:57:21	3.3523	22.4790	0.609
33359.456531	0.456531	9.4349	01-May-91	10:57:24	3.3998	22.1788	0.595
33359.456647	0.456647	9.471	01-May-91	10:57:34	3.5669	21.1870	0.559
33359.456763	0.456763	9.4927	01-May-91	10:57:44	3.7339	20.2839	0.537
33359.456878	0.456878	9.5215	01-May-91	10:57:54	3.8995	19.4650	0.509
33359.456994	0.456994	9.5432	01-May-91	10:58:04	4.0666	18.7065	0.487
33359.45711	0.45711	9.5576	01-May-91	10:58:14	4.2336	18.0079	0.472

33359.457226	0.457226	9.5793	01-May-91	10:58:24	4.4006	17.3623	0.451
33359.457341	0.457341	9.6009	01-May-91	10:58:34	4.5662	16.7689	0.429
33359.457458	0.457458	9.6082	01-May-91	10:58:44	4.7347	16.2078	0.422
33359.458152	0.458152	9.6803	01-May-91	10:59:44	5.7341	13.5573	0.350
33359.458846	0.458846	9.7309	01-May-91	11:00:44	6.7334	11.6936	0.299
33359.459541	0.459541	9.7525	01-May-91	11:01:44	7.7342	10.3098	0.278
33359.460235	0.460235	9.7742	01-May-91	11:02:44	8.7336	9.24457	0.256
33359.460929	0.460929	9.7886	01-May-91	11:03:44	9.7330	8.39803	0.241
33359.461624	0.461624	9.8031	01-May-91	11:04:44	10.7338	7.70825	0.227
33359.462318	0.462318	9.8031	01-May-91	11:05:44	11.7331	7.13688	0.227
33359.463013	0.463013	9.8175	01-May-91	11:06:44	12.7339	6.65456	0.212
33359.463707	0.463707	9.8175	01-May-91	11:07:44	13.7333	6.24308	0.212
33359.464402	0.464402	9.8247	01-May-91	11:08:44	14.7341	5.88695	0.205
33359.465096	0.465096	9.8247	01-May-91	11:09:44	15.7334	5.57654	0.205
33359.465791	0.465791	9.8319	01-May-91	11:10:44	16.7342	5.30284	0.198
33359.466485	0.466485	9.8392	01-May-91	11:11:44	17.7336	5.06035	0.191
33359.467179	0.467179	9.8392	01-May-91	11:12:44	18.7330	4.84374	0.191
33359.467874	0.467874	9.8464	01-May-91	11:13:44	19.7338	4.64881	0.184
33359.468568	0.468568	9.8464	01-May-91	11:14:44	20.7331	4.47293	0.184
33359.469263	0.469263	9.8464	01-May-91	11:15:44	21.7339	4.31301	0.184
33359.469957	0.469957	9.8536	01-May-91	11:16:44	22.7333	4.16737	0.176
33359.470652	0.470652	9.8608	01-May-91	11:17:44	23.7341	4.03381	0.169
33359.471347	0.471347	9.8608	01-May-91	11:18:44	24.7349	3.91106	0.169
33359.473661	0.473661	9.868	01-May-91	11:22:04	28.0670	3.56545	0.162
33359.475976	0.475976	9.868	01-May-91	11:25:24	31.4006	3.29309	0.162
33359.478291	0.478291	9.8753	01-May-91	11:28:44	34.7342	3.07302	0.155
33359.480605	0.480605	9.8753	01-May-91	11:32:04	38.0664	2.89155	0.155
33359.48292	0.48292	9.8753	01-May-91	11:35:24	41.4000	2.73924	0.155
33359.485235	0.485235	9.8825	01-May-91	11:38:44	44.7336	2.60963	0.147
33359.48755	0.48755	9.8897	01-May-91	11:42:04	48.0672	2.49800	0.140
33359.489865	0.489865	9.8969	01-May-91	11:45:24	51.4008	2.40084	0.133
33359.492179	0.492179	9.8897	01-May-91	11:48:44	54.7330	2.31556	0.140
33359.494494	0.494494	9.8969	01-May-91	11:52:04	58.0666	2.24003	0.133
33359.496809	0.496809	9.8969	01-May-91	11:55:24	61.4002	2.17271	0.133
33359.499124	0.499124	9.8969	01-May-91	11:58:44	64.7338	2.11232	0.133
33359.501439	0.501439	9.8969	01-May-91	12:02:04	68.0674	2.05784	0.133
33359.503753	0.503753	9.9041	01-May-91	12:05:24	71.3995	2.00847	0.126
33359.506068	0.506068	9.9041	01-May-91	12:08:44	74.7331	1.96349	0.126
33359.508383	0.508383	9.9113	01-May-91	12:12:04	78.0667	1.92234	0.119
33359.510698	0.510698	9.9113	01-May-91	12:15:24	81.4003	1.88457	0.119
33359.513013	0.513013	9.9113	01-May-91	12:18:44	84.7339	1.84977	0.119
33359.515328	0.515328	9.9113	01-May-91	12:22:04	88.0675	1.81760	0.119
33359.517642	0.517642	9.9186	01-May-91	12:25:24	91.3997	1.78780	0.111
33359.519957	0.519957	9.9186	01-May-91	12:28:44	94.7333	1.76007	0.111
33359.522272	0.522272	9.9186	01-May-91	12:32:04	98.0669	1.73424	0.111
33359.524587	0.524587	9.9258	01-May-91	12:35:24	101.4005	1.71010	0.104
33359.526902	0.526902	9.9258	01-May-91	12:38:44	104.7341	1.68750	0.104
33359.529216	0.529216	9.9258	01-May-91	12:42:04	108.0662	1.66630	0.104
33359.531531	0.531531	9.9256	01-May-91	12:45:24	111.3998	1.64636	0.104
33359.533846	0.533846	9.9258	01-May-91	12:48:44	114.7334	1.62758	0.104

33359.536161	0.536161	9.9258	01-May-91	12:52:04	118.0670	1.60986	0.104	
33359.538476	0.538476	9.933	01-May-91	12:55:24	121.4006	1.59311	0.097	
33359.540791	0.540791	9.9258	01-May-91	12:58:44	124.7342	1.57726	0.104	
33359.543105	0.543105	9.933	01-May-91	13:02:04	128.0664	1.56224	0.097	
33359.54542	0.54542	9.933	01-May-91	13:05:24	131.4000	1.54798	0.097	
33359.547735	0.547735	9.933	01-May-91	13:08:44	134.7336	1.53442	0.097	
33359.55005	0.55005	9.933	01-May-91	13:12:04	138.0672	1.52151	0.097	
33359.552365	0.552365	9.933	01-May-91	13:15:24	141.4008	1.50922	0.097	
33359.554679	0.554679	9.933	01-May-91	13:18:44	144.7330	1.49750	0.097	
33359.556994	0.556994	9.933	01-May-91	13:22:04	148.0666	1.48630	0.097	
33359.559309	0.559309	9.933	01-May-91	13:25:24	151.4002	1.47559	0.097	
33359.561624	0.561624	9.9402	01-May-91	13:28:44	154.7338	1.46534	0.090	Last XD Meas.


Bouwer & Rice Slug Test Plot
Well MW-1 -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-1s

Initial DTW (bgs) @ time < 0:	23.6	(feet)
Depth to top of sandpack:	23.5	(feet)
Depth to top of screen:	24.0	(feet)
H = Initial head @ time < 0:	18.18	(feet)
H(0)= Maximum head (@ t ~ 0):	1.85	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	21.3	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	21.3	(feet)
Length watertable to bottom of sandpack:	21.3	(feet)
b = Aquifer saturated thickness: (est.)	40.0	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	02-Apr-91
Test Start Time >>>>>>	17:21:06
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	18.18

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33330.722928	0.722928	18.18	02-Apr-91	17:21:01	-0.0850	0.000	
33330.722934	0.722934	18.18	02-Apr-91	17:21:01	-0.0763	0.000	
33330.72294	0.72294	18.18	02-Apr-91	17:21:02	-0.0677	0.000	
33330.722946	0.722946	18.18	02-Apr-91	17:21:03	-0.0590	0.000	
33330.722951	0.722951	18.18	02-Apr-91	17:21:03	-0.0518	0.000	
33330.722957	0.722957	18.18	02-Apr-91	17:21:03	-0.0432	0.000	
33330.722963	0.722963	18.18	02-Apr-91	17:21:04	-0.0346	0.000	
33330.722969	0.722969	18.18	02-Apr-91	17:21:05	-0.0259	0.000	
33330.722975	0.722975	18.18	02-Apr-91	17:21:05	-0.0173	0.000	
33330.72298	0.72298	18.18	02-Apr-91	17:21:05	-0.0101	0.000	
33330.722987	0.722987	17.787	02-Apr-91	17:21:06	0.0000	0.393	Start bail test
33330.722992	0.722992	17.279	02-Apr-91	17:21:07	0.0072	0.901	
33330.722998	0.722998	16.332	02-Apr-91	17:21:07	0.0158	1.848	
33330.723003	0.723003	16.632	02-Apr-91	17:21:07	0.0230	1.548	
33330.723009	0.723009	16.586	02-Apr-91	17:21:08	0.0317	1.594	
33330.723015	0.723015	17.302	02-Apr-91	17:21:08	0.0403	0.878	
33330.723021	0.723021	17.209	02-Apr-91	17:21:09	0.0490	0.971	
33330.723028	0.723028	17.048	02-Apr-91	17:21:10	0.0590	1.132	
33330.723032	0.723032	16.978	02-Apr-91	17:21:10	0.0648	1.202	

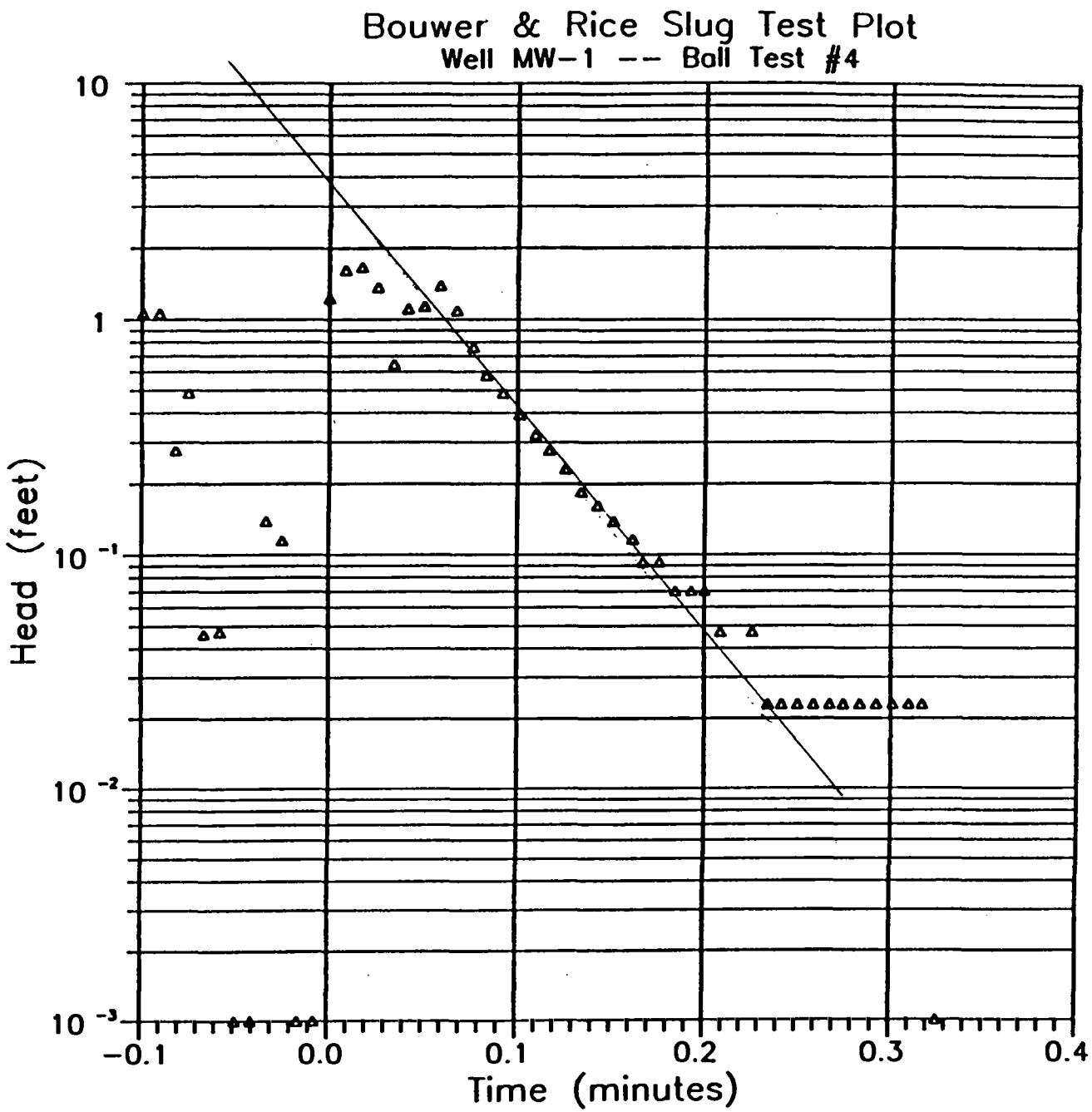
33330.723038	0.723038	17.233	02-Apr-91	17:21:10	0.0734	0.947
33330.723044	0.723044	17.51	02-Apr-91	17:21:11	0.0821	0.670
33330.72305	0.72305	17.648	02-Apr-91	17:21:12	0.0907	0.532
33330.723056	0.723056	17.741	02-Apr-91	17:21:12	0.0994	0.439
33330.723061	0.723061	17.81	02-Apr-91	17:21:12	0.1066	0.370
33330.723068	0.723068	17.856	02-Apr-91	17:21:13	0.1166	0.324
33330.723073	0.723073	17.926	02-Apr-91	17:21:14	0.1238	0.254
33330.723079	0.723079	17.949	02-Apr-91	17:21:14	0.1325	0.231
33330.723084	0.723084	17.995	02-Apr-91	17:21:14	0.1397	0.185
33330.72309	0.72309	18.018	02-Apr-91	17:21:15	0.1483	0.162
33330.723096	0.723096	18.041	02-Apr-91	17:21:15	0.1570	0.139
33330.723102	0.723102	18.064	02-Apr-91	17:21:16	0.1656	0.116
33330.723109	0.723109	18.064	02-Apr-91	17:21:17	0.1757	0.116
33330.723113	0.723113	18.087	02-Apr-91	17:21:17	0.1814	0.093
33330.723119	0.723119	18.11	02-Apr-91	17:21:17	0.1901	0.070
33330.723125	0.723125	18.11	02-Apr-91	17:21:18	0.1987	0.070
33330.723131	0.723131	18.11	02-Apr-91	17:21:19	0.2074	0.070
33330.723137	0.723137	18.133	02-Apr-91	17:21:19	0.2160	0.047
33330.723142	0.723142	18.133	02-Apr-91	17:21:19	0.2232	0.047
33330.723148	0.723148	18.133	02-Apr-91	17:21:20	0.2318	0.047
33330.723154	0.723154	18.133	02-Apr-91	17:21:21	0.2405	0.047
33330.72316	0.72316	18.133	02-Apr-91	17:21:21	0.2491	0.047
33330.723166	0.723166	18.157	02-Apr-91	17:21:22	0.2578	0.023
33330.723171	0.723171	18.133	02-Apr-91	17:21:22	0.2650	0.047
33330.723177	0.723177	18.133	02-Apr-91	17:21:22	0.2736	0.047
33330.723183	0.723183	18.157	02-Apr-91	17:21:23	0.2822	0.023
33330.723189	0.723189	18.157	02-Apr-91	17:21:24	0.2909	0.023
33330.723194	0.723194	18.157	02-Apr-91	17:21:24	0.2981	0.023
33330.7232	0.7232	18.157	02-Apr-91	17:21:24	0.3067	0.023
33330.723206	0.723206	18.157	02-Apr-91	17:21:25	0.3154	0.023
33330.723212	0.723212	18.157	02-Apr-91	17:21:26	0.3240	0.023
33330.723218	0.723218	18.157	02-Apr-91	17:21:26	0.3326	0.023
33330.723223	0.723223	18.157	02-Apr-91	17:21:26	0.3398	0.023
33330.723229	0.723229	18.157	02-Apr-91	17:21:27	0.3485	0.023
33330.723235	0.723235	18.157	02-Apr-91	17:21:28	0.3571	0.023
33330.723241	0.723241	18.157	02-Apr-91	17:21:28	0.3658	0.023
33330.723247	0.723247	18.157	02-Apr-91	17:21:29	0.3744	0.023
33330.723252	0.723252	18.157	02-Apr-91	17:21:29	0.3816	0.023
33330.723258	0.723258	18.157	02-Apr-91	17:21:29	0.3902	0.023
33330.723264	0.723264	18.157	02-Apr-91	17:21:30	0.3989	0.023
33330.72327	0.72327	18.157	02-Apr-91	17:21:31	0.4075	0.023
33330.723275	0.723275	18.157	02-Apr-91	17:21:31	0.4147	0.023
33330.723281	0.723281	18.157	02-Apr-91	17:21:31	0.4234	0.023
33330.723287	0.723287	18.157	02-Apr-91	17:21:32	0.4320	0.023
33330.723293	0.723293	18.157	02-Apr-91	17:21:33	0.4406	0.023
33330.723299	0.723299	18.157	02-Apr-91	17:21:33	0.4493	0.023
33330.723304	0.723304	18.157	02-Apr-91	17:21:33	0.4565	0.023

33330.72331	0.72331	18.157	02-Apr-91	17:21:34	0.4651	0.023
33330.723316	0.723316	18.157	02-Apr-91	17:21:35	0.4738	0.023
33330.723322	0.723322	18.157	02-Apr-91	17:21:35	0.4824	0.023
33330.723328	0.723328	18.157	02-Apr-91	17:21:36	0.4910	0.023
33330.723333	0.723333	18.157	02-Apr-91	17:21:36	0.4982	0.023
33330.723339	0.723339	18.157	02-Apr-91	17:21:36	0.5069	0.023
33330.723345	0.723345	18.157	02-Apr-91	17:21:37	0.5155	0.023
33330.723351	0.723351	18.157	02-Apr-91	17:21:38	0.5242	0.023
33330.723356	0.723356	18.157	02-Apr-91	17:21:38	0.5314	0.023
33330.723362	0.723362	18.157	02-Apr-91	17:21:38	0.5400	0.023
33330.723368	0.723368	18.157	02-Apr-91	17:21:39	0.5486	0.023
33330.723374	0.723374	18.157	02-Apr-91	17:21:40	0.5573	0.023
33330.72338	0.72338	18.157	02-Apr-91	17:21:40	0.5659	0.023
33330.723385	0.723385	18.157	02-Apr-91	17:21:40	0.5731	0.023
33330.723391	0.723391	18.157	02-Apr-91	17:21:41	0.5818	0.023
33330.723397	0.723397	18.157	02-Apr-91	17:21:42	0.5904	0.023
33330.723403	0.723403	18.157	02-Apr-91	17:21:42	0.5990	0.023
33330.723409	0.723409	18.157	02-Apr-91	17:21:43	0.6077	0.023
33330.723414	0.723414	18.157	02-Apr-91	17:21:43	0.6149	0.023
33330.72342	0.72342	18.18	02-Apr-91	17:21:43	0.6235	0.000
33330.723426	0.723426	18.157	02-Apr-91	17:21:44	0.6322	0.023
33330.723432	0.723432	18.157	02-Apr-91	17:21:45	0.6408	0.023
33330.723437	0.723437	18.157	02-Apr-91	17:21:45	0.6480	0.023
33330.723443	0.723443	18.18	02-Apr-91	17:21:45	0.6566	0.000
33330.723449	0.723449	18.18	02-Apr-91	17:21:46	0.6653	0.000
33330.723456	0.723456	18.157	02-Apr-91	17:21:47	0.6754	0.023
33330.723461	0.723461	18.18	02-Apr-91	17:21:47	0.6826	0.000
33330.723466	0.723466	18.157	02-Apr-91	17:21:47	0.6898	0.023
33330.723472	0.723472	18.157	02-Apr-91	17:21:48	0.6984	0.023
33330.723478	0.723478	18.157	02-Apr-91	17:21:48	0.7070	0.023
33330.723484	0.723484	18.157	02-Apr-91	17:21:49	0.7157	0.023
33330.72349	0.72349	18.157	02-Apr-91	17:21:50	0.7243	0.023
33330.723497	0.723497	18.157	02-Apr-91	17:21:50	0.7344	0.023
33330.723501	0.723501	18.18	02-Apr-91	17:21:50	0.7402	0.000
33330.723507	0.723507	18.157	02-Apr-91	17:21:51	0.7488	0.023
33330.723513	0.723513	18.18	02-Apr-91	17:21:52	0.7574	0.000
33330.723519	0.723519	18.18	02-Apr-91	17:21:52	0.7661	0.000
33330.723524	0.723524	18.18	02-Apr-91	17:21:52	0.7733	0.000
33330.72353	0.72353	18.18	02-Apr-91	17:21:53	0.7819	0.000
33330.723537	0.723537	18.157	02-Apr-91	17:21:54	0.7920	0.023
33330.723542	0.723542	18.18	02-Apr-91	17:21:54	0.7992	0.000
33330.723547	0.723547	18.157	02-Apr-91	17:21:54	0.8064	0.023
33330.723553	0.723553	18.157	02-Apr-91	17:21:55	0.8150	0.023
33330.723559	0.723559	18.157	02-Apr-91	17:21:55	0.8237	0.023
33330.723565	0.723565	18.157	02-Apr-91	17:21:56	0.8323	0.023
33330.723571	0.723571	18.157	02-Apr-91	17:21:57	0.8410	0.023
33330.723576	0.723576	18.157	02-Apr-91	17:21:57	0.8482	0.023

33330.723582	0.723582	18.157	02-Apr-91	17:21:57	0.8568	0.023
33330.723588	0.723588	18.18	02-Apr-91	17:21:58	0.8654	0.000
33330.723594	0.723594	18.18	02-Apr-91	17:21:59	0.8741	0.000
33330.7236	0.7236	18.157	02-Apr-91	17:21:59	0.8827	0.023
33330.723605	0.723605	18.157	02-Apr-91	17:21:59	0.8899	0.023
33330.723611	0.723611	18.18	02-Apr-91	17:22:00	0.8986	0.000
33330.723617	0.723617	18.157	02-Apr-91	17:22:01	0.9072	0.023
33330.723623	0.723623	18.157	02-Apr-91	17:22:01	0.9158	0.023
33330.723628	0.723628	18.157	02-Apr-91	17:22:01	0.9230	0.023
33330.723634	0.723634	18.18	02-Apr-91	17:22:02	0.9317	0.000
33330.72364	0.72364	18.157	02-Apr-91	17:22:02	0.9403	0.023
33330.723646	0.723646	18.18	02-Apr-91	17:22:03	0.9490	0.000
33330.723652	0.723652	18.157	02-Apr-91	17:22:04	0.9576	0.023
33330.723657	0.723657	18.18	02-Apr-91	17:22:04	0.9648	0.000
33330.723663	0.723663	18.157	02-Apr-91	17:22:04	0.9734	0.023
33330.723669	0.723669	18.157	02-Apr-91	17:22:05	0.9821	0.023
33330.723675	0.723675	18.157	02-Apr-91	17:22:06	0.9907	0.023
33330.723681	0.723681	18.157	02-Apr-91	17:22:06	0.9994	0.023
33330.723686	0.723686	18.157	02-Apr-91	17:22:06	1.0066	0.023
33330.723692	0.723692	18.18	02-Apr-91	17:22:07	1.0152	0.000
33330.723698	0.723698	18.157	02-Apr-91	17:22:08	1.0238	0.023
33330.723704	0.723704	18.157	02-Apr-91	17:22:08	1.0325	0.023
33330.723709	0.723709	18.157	02-Apr-91	17:22:08	1.0397	0.023
33330.723715	0.723715	18.157	02-Apr-91	17:22:09	1.0483	0.023
33330.723721	0.723721	18.157	02-Apr-91	17:22:09	1.0570	0.023
33330.723727	0.723727	18.157	02-Apr-91	17:22:10	1.0656	0.023
33330.723733	0.723733	18.18	02-Apr-91	17:22:11	1.0742	0.000
33330.723738	0.723738	18.157	02-Apr-91	17:22:11	1.0814	0.023
33330.723744	0.723744	18.18	02-Apr-91	17:22:11	1.0901	0.000
33330.72375	0.72375	18.157	02-Apr-91	17:22:12	1.0987	0.023
33330.723756	0.723756	18.157	02-Apr-91	17:22:13	1.1074	0.023
33330.723762	0.723762	18.18	02-Apr-91	17:22:13	1.1160	0.000
33330.723767	0.723767	18.18	02-Apr-91	17:22:13	1.1232	0.000
33330.723773	0.723773	18.157	02-Apr-91	17:22:14	1.1318	0.023
33330.723779	0.723779	18.18	02-Apr-91	17:22:15	1.1405	0.000
33330.723785	0.723785	18.157	02-Apr-91	17:22:15	1.1491	0.023
33330.723791	0.723791	18.18	02-Apr-91	17:22:16	1.1578	0.000
33330.723796	0.723796	18.157	02-Apr-91	17:22:16	1.1650	0.023
33330.723802	0.723802	18.157	02-Apr-91	17:22:16	1.1736	0.023
33330.723808	0.723808	18.18	02-Apr-91	17:22:17	1.1822	0.000
33330.723814	0.723814	18.18	02-Apr-91	17:22:18	1.1909	0.000
33330.723819	0.723819	18.157	02-Apr-91	17:22:18	1.1981	0.023
33330.723825	0.723825	18.157	02-Apr-91	17:22:18	1.2067	0.023
33330.723831	0.723831	18.18	02-Apr-91	17:22:19	1.2154	0.000
33330.723837	0.723837	18.157	02-Apr-91	17:22:20	1.2240	0.023
33330.723843	0.723843	18.157	02-Apr-91	17:22:20	1.2326	0.023
33330.723848	0.723848	18.157	02-Apr-91	17:22:20	1.2398	0.023

33330.723854	0.723854	18.18	02-Apr-91	17:22:21	1.2485	0.000
33330.72386	0.72386	18.157	02-Apr-91	17:22:22	1.2571	0.023
33330.723866	0.723866	18.18	02-Apr-91	17:22:22	1.2658	0.000
33330.723872	0.723872	18.157	02-Apr-91	17:22:23	1.2744	0.023
33330.723877	0.723877	18.18	02-Apr-91	17:22:23	1.2816	0.000
33330.723884	0.723884	18.157	02-Apr-91	17:22:24	1.2917	0.023
33330.723889	0.723889	18.18	02-Apr-91	17:22:24	1.2989	0.000
33330.723895	0.723895	18.157	02-Apr-91	17:22:25	1.3075	0.023
33330.7239	0.7239	18.18	02-Apr-91	17:22:25	1.3147	0.000
33330.723906	0.723906	18.157	02-Apr-91	17:22:25	1.3234	0.023
33330.723912	0.723912	18.157	02-Apr-91	17:22:26	1.3320	0.023
33330.723918	0.723918	18.157	02-Apr-91	17:22:27	1.3406	0.023
33330.723929	0.723929	18.157	02-Apr-91	17:22:27	1.3565	0.023
33330.723935	0.723935	18.157	02-Apr-91	17:22:28	1.3651	0.023
33330.723941	0.723941	18.157	02-Apr-91	17:22:29	1.3738	0.023
33330.723947	0.723947	18.18	02-Apr-91	17:22:29	1.3824	0.000
33330.723953	0.723953	18.157	02-Apr-91	17:22:30	1.3910	0.023
33330.723958	0.723958	18.157	02-Apr-91	17:22:30	1.3982	0.023
33330.723964	0.723964	18.157	02-Apr-91	17:22:30	1.4069	0.023
33330.72397	0.72397	18.18	02-Apr-91	17:22:31	1.4155	0.000
33330.723976	0.723976	18.157	02-Apr-91	17:22:32	1.4242	0.023
33330.723981	0.723981	18.157	02-Apr-91	17:22:32	1.4314	0.023
33330.723987	0.723987	18.157	02-Apr-91	17:22:32	1.4400	0.023
33330.723993	0.723993	18.157	02-Apr-91	17:22:33	1.4486	0.023
33330.723999	0.723999	18.157	02-Apr-91	17:22:34	1.4573	0.023
33330.724005	0.724005	18.157	02-Apr-91	17:22:34	1.4659	0.023
33330.72401	0.72401	18.18	02-Apr-91	17:22:34	1.4731	0.000
33330.724016	0.724016	18.157	02-Apr-91	17:22:35	1.4818	0.023
33330.724022	0.724022	18.157	02-Apr-91	17:22:36	1.4904	0.023
33330.724028	0.724028	18.157	02-Apr-91	17:22:36	1.4990	0.023
33330.724034	0.724034	18.157	02-Apr-91	17:22:37	1.5077	0.023
33330.724039	0.724039	18.157	02-Apr-91	17:22:37	1.5149	0.023
33330.724045	0.724045	18.157	02-Apr-91	17:22:37	1.5235	0.023
33330.724051	0.724051	18.18	02-Apr-91	17:22:38	1.5322	0.000
33330.724057	0.724057	18.157	02-Apr-91	17:22:39	1.5408	0.023
33330.724063	0.724063	18.157	02-Apr-91	17:22:39	1.5494	0.023
33330.724068	0.724068	18.157	02-Apr-91	17:22:39	1.5566	0.023
33330.724074	0.724074	18.157	02-Apr-91	17:22:40	1.5653	0.023
33330.72408	0.72408	18.18	02-Apr-91	17:22:41	1.5739	0.000
33330.724087	0.724087	18.157	02-Apr-91	17:22:41	1.5840	0.023
33330.724091	0.724091	18.18	02-Apr-91	17:22:41	1.5898	0.000
33330.724097	0.724097	18.157	02-Apr-91	17:22:42	1.5984	0.023
33330.724103	0.724103	18.157	02-Apr-91	17:22:42	1.6070	0.023
33330.724109	0.724109	18.157	02-Apr-91	17:22:43	1.6157	0.023
33330.724115	0.724115	18.157	02-Apr-91	17:22:44	1.6243	0.023
33330.72412	0.72412	18.157	02-Apr-91	17:22:44	1.6315	0.023
33330.724132	0.724132	18.157	02-Apr-91	17:22:45	1.6488	0.023

33330.724138	0.724138	18.157	02-Apr-91	17:22:46	1.6574	0.023
33330.724144	0.724144	18.157	02-Apr-91	17:22:46	1.6661	0.023
33330.724149	0.724149	18.157	02-Apr-91	17:22:46	1.6733	0.023
33330.724155	0.724155	18.157	02-Apr-91	17:22:47	1.6819	0.023
33330.724161	0.724161	18.18	02-Apr-91	17:22:48	1.6906	0.000
33330.724167	0.724167	18.18	02-Apr-91	17:22:48	1.6992	0.000
33330.724172	0.724172	18.157	02-Apr-91	17:22:48	1.7064	0.023
33330.724178	0.724178	18.157	02-Apr-91	17:22:49	1.7150	0.023
33330.724184	0.724184	18.157	02-Apr-91	17:22:49	1.7237	0.023
33330.72419	0.72419	18.18	02-Apr-91	17:22:50	1.7323	0.000
33330.724196	0.724196	18.18	02-Apr-91	17:22:51	1.7410	0.000
33330.724201	0.724201	18.157	02-Apr-91	17:22:51	1.7482	0.023
33330.724207	0.724207	18.18	02-Apr-91	17:22:51	1.7568	0.000
33330.724213	0.724213	18.18	02-Apr-91	17:22:52	1.7654	0.000
33330.724219	0.724219	18.18	02-Apr-91	17:22:53	1.7741	0.000
33330.724225	0.724225	18.157	02-Apr-91	17:22:53	1.7827	0.023
33330.72423	0.72423	18.18	02-Apr-91	17:22:53	1.7899	0.000
33330.724236	0.724236	18.18	02-Apr-91	17:22:54	1.7986	0.000


Bouwer & Rice Slug Test Plot
Well MW-1 -- Ball Test #4
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-1s

Initial DTW (bgs) @ time < 0:	23.6	(feet)
Depth to top of sandpack:	23.5	(feet)
Depth to top of screen:	24.0	(feet)
H = Initial head @ time < 0:	18.18	(feet)
H(0)= Maximum head (@ t ~ 0):	1.66	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	21.3	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	21.3	(feet)
Length watertable to bottom of sandpack:	21.3	(feet)
b = Aquifer saturated thickness:	40.0	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	02-Apr-91
Test Start Time >>>>>>	17:24:43
Test Type >>>>>>>>>>>>	Bail #4
Initial head at T<0 >>>>>>>	18.18

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33330.725394	0.725394	18.272	02-Apr-91	17:24:34	-0.1570	0.092	
33330.725399	0.725399	18.295	02-Apr-91	17:24:34	-0.1498	0.115	
33330.725405	0.725405	18.272	02-Apr-91	17:24:35	-0.1411	0.092	
33330.725411	0.725411	18.272	02-Apr-91	17:24:36	-0.1325	0.092	
33330.725417	0.725417	18.295	02-Apr-91	17:24:36	-0.1238	0.115	
33330.725422	0.725422	18.295	02-Apr-91	17:24:36	-0.1166	0.115	
33330.725428	0.725428	18.272	02-Apr-91	17:24:37	-0.1080	0.092	
33330.725434	0.725434	17.117	02-Apr-91	17:24:37	-0.0994	1.063	
33330.72544	0.72544	19.242	02-Apr-91	17:24:38	-0.0907	1.062	
33330.725446	0.725446	18.457	02-Apr-91	17:24:39	-0.0821	0.277	
33330.725451	0.725451	17.695	02-Apr-91	17:24:39	-0.0749	0.485	
33330.725457	0.725457	18.226	02-Apr-91	17:24:39	-0.0662	0.046	
33330.725463	0.725463	18.133	02-Apr-91	17:24:40	-0.0576	0.047	
33330.725469	0.725469	18.18	02-Apr-91	17:24:41	-0.0490	0.000	
33330.725475	0.725475	18.18	02-Apr-91	17:24:41	-0.0403	0.000	
33330.72548	0.72548	18.041	02-Apr-91	17:24:41	-0.0331	0.139	
33330.725486	0.725486	18.295	02-Apr-91	17:24:42	-0.0245	0.115	
33330.725492	0.725492	18.18	02-Apr-91	17:24:43	-0.0158	0.000	
33330.725498	0.725498	18.18	02-Apr-91	17:24:43	-0.0072	0.000	

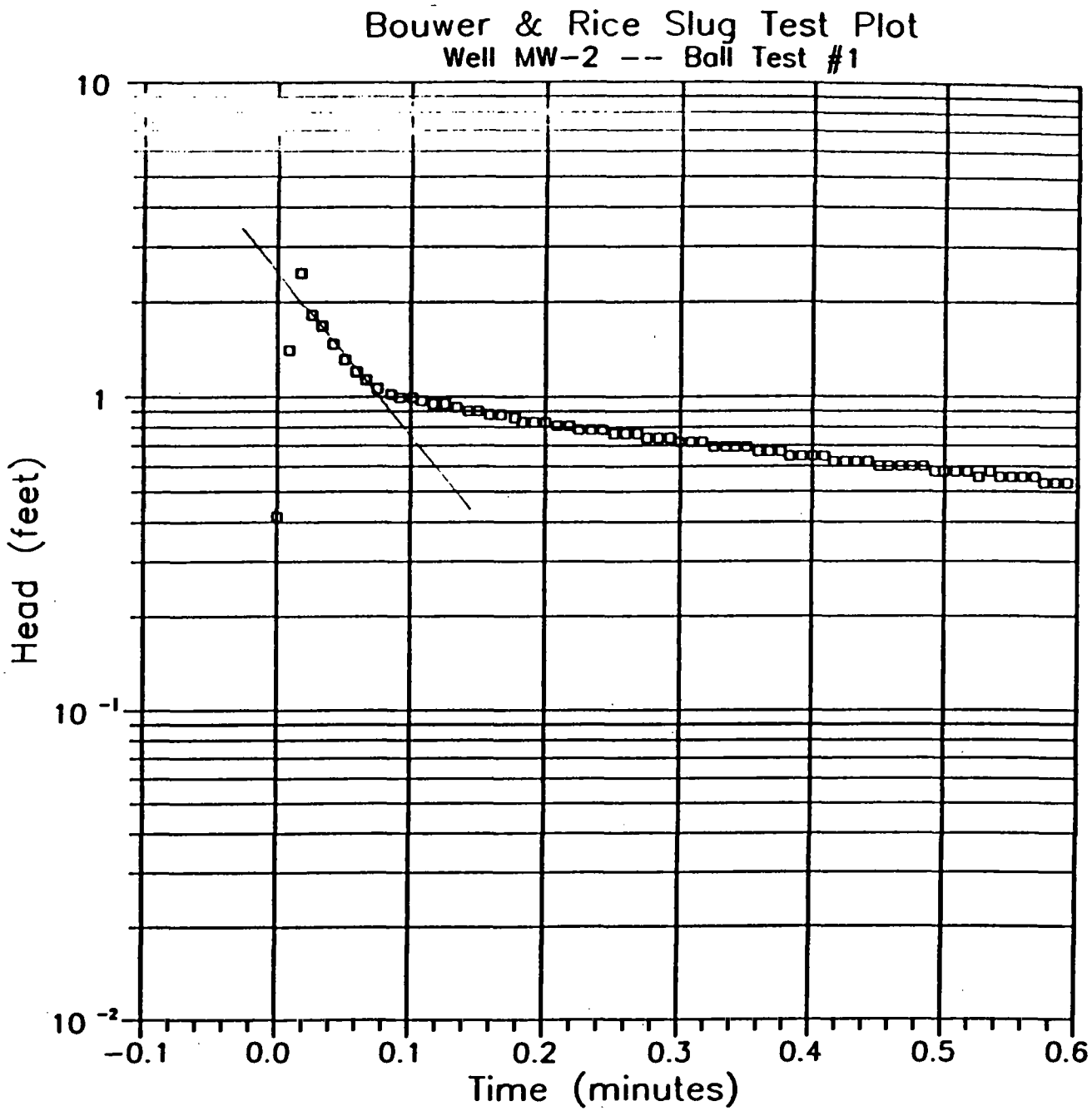
33330.725503	0.725503	16.955	02-Apr-91	17:24:43	0.0000	1.225	Start bail test
33330.725509	0.725509	16.563	02-Apr-91	17:24:44	0.0086	1.617	
33330.725515	0.725515	16.516	02-Apr-91	17:24:44	0.0173	1.664	
33330.725521	0.725521	16.817	02-Apr-91	17:24:45	0.0259	1.363	
33330.725527	0.725527	17.533	02-Apr-91	17:24:46	0.0346	0.647	
33330.725532	0.725532	17.071	02-Apr-91	17:24:46	0.0418	1.109	
33330.725538	0.725538	17.048	02-Apr-91	17:24:46	0.0504	1.132	
33330.725544	0.725544	16.794	02-Apr-91	17:24:47	0.0590	1.386	
33330.72555	0.72555	17.094	02-Apr-91	17:24:48	0.0677	1.086	
33330.725556	0.725556	17.417	02-Apr-91	17:24:48	0.0763	0.763	
33330.725561	0.725561	17.602	02-Apr-91	17:24:48	0.0835	0.578	
33330.725567	0.725567	17.695	02-Apr-91	17:24:49	0.0922	0.485	
33330.725573	0.725573	17.787	02-Apr-91	17:24:50	0.1008	0.393	
33330.725579	0.725579	17.856	02-Apr-91	17:24:50	0.1094	0.324	
33330.725584	0.725584	17.902	02-Apr-91	17:24:50	0.1166	0.278	
33330.72559	0.72559	17.949	02-Apr-91	17:24:51	0.1253	0.231	
33330.725596	0.725596	17.995	02-Apr-91	17:24:51	0.1339	0.185	
33330.725602	0.725602	18.018	02-Apr-91	17:24:52	0.1426	0.162	
33330.725608	0.725608	18.041	02-Apr-91	17:24:53	0.1512	0.139	
33330.725615	0.725615	18.064	02-Apr-91	17:24:53	0.1613	0.116	
33330.725619	0.725619	18.087	02-Apr-91	17:24:53	0.1670	0.093	
33330.725625	0.725625	18.087	02-Apr-91	17:24:54	0.1757	0.093	
33330.725631	0.725631	18.11	02-Apr-91	17:24:55	0.1843	0.070	
33330.725637	0.725637	18.11	02-Apr-91	17:24:55	0.1930	0.070	
33330.725642	0.725642	18.11	02-Apr-91	17:24:55	0.2002	0.070	
33330.725648	0.725648	18.133	02-Apr-91	17:24:56	0.2088	0.047	
33330.72566	0.72566	18.133	02-Apr-91	17:24:57	0.2261	0.047	
33330.725666	0.725666	18.157	02-Apr-91	17:24:58	0.2347	0.023	
33330.725671	0.725671	18.157	02-Apr-91	17:24:58	0.2419	0.023	
33330.725677	0.725677	18.157	02-Apr-91	17:24:58	0.2506	0.023	
33330.725683	0.725683	18.157	02-Apr-91	17:24:59	0.2592	0.023	
33330.725689	0.725689	18.157	02-Apr-91	17:25:00	0.2678	0.023	
33330.725694	0.725694	18.157	02-Apr-91	17:25:00	0.2750	0.023	
33330.7257	0.7257	18.157	02-Apr-91	17:25:00	0.2837	0.023	
33330.725706	0.725706	18.157	02-Apr-91	17:25:01	0.2923	0.023	
33330.725712	0.725712	18.157	02-Apr-91	17:25:02	0.3010	0.023	
33330.725718	0.725718	18.157	02-Apr-91	17:25:02	0.3096	0.023	
33330.725723	0.725723	18.157	02-Apr-91	17:25:02	0.3168	0.023	
33330.725729	0.725729	18.18	02-Apr-91	17:25:03	0.3254	0.000	
33330.725735	0.725735	18.18	02-Apr-91	17:25:04	0.3341	0.000	
33330.725741	0.725741	18.18	02-Apr-91	17:25:04	0.3427	0.000	
33330.725747	0.725747	18.18	02-Apr-91	17:25:05	0.3514	0.000	
33330.725752	0.725752	18.18	02-Apr-91	17:25:05	0.3586	0.000	
33330.725758	0.725758	18.18	02-Apr-91	17:25:05	0.3672	0.000	
33330.725764	0.725764	18.18	02-Apr-91	17:25:06	0.3758	0.000	
33330.72577	0.72577	18.18	02-Apr-91	17:25:07	0.3845	0.000	
33330.725775	0.725775	18.18	02-Apr-91	17:25:07	0.3917	0.000	

33330.725781	0.725781	18.18	02-Apr-91	17:25:07	0.4003	0.000
33330.725787	0.725787	18.18	02-Apr-91	17:25:08	0.4090	0.000
33330.725793	0.725793	18.18	02-Apr-91	17:25:09	0.4176	0.000
33330.725799	0.725799	18.18	02-Apr-91	17:25:09	0.4262	0.000
33330.725804	0.725804	18.18	02-Apr-91	17:25:09	0.4334	0.000
33330.72581	0.72581	18.18	02-Apr-91	17:25:10	0.4421	0.000
33330.725817	0.725817	18.18	02-Apr-91	17:25:11	0.4522	0.000
33330.725822	0.725822	18.18	02-Apr-91	17:25:11	0.4594	0.000
33330.725828	0.725828	18.18	02-Apr-91	17:25:12	0.4680	0.000
33330.725833	0.725833	18.18	02-Apr-91	17:25:12	0.4752	0.000
33330.725839	0.725839	18.18	02-Apr-91	17:25:12	0.4838	0.000
33330.725845	0.725845	18.18	02-Apr-91	17:25:13	0.4925	0.000
33330.725851	0.725851	18.18	02-Apr-91	17:25:14	0.5011	0.000
33330.725862	0.725862	18.157	02-Apr-91	17:25:14	0.5170	0.023
33330.725868	0.725868	18.18	02-Apr-91	17:25:15	0.5256	0.000
33330.725874	0.725874	18.18	02-Apr-91	17:25:16	0.5342	0.000
33330.72588	0.72588	18.18	02-Apr-91	17:25:16	0.5429	0.000
33330.725885	0.725885	18.18	02-Apr-91	17:25:16	0.5501	0.000
33330.725891	0.725891	18.18	02-Apr-91	17:25:17	0.5587	0.000
33330.725897	0.725897	18.18	02-Apr-91	17:25:18	0.5674	0.000
33330.725903	0.725903	18.18	02-Apr-91	17:25:18	0.5760	0.000
33330.725909	0.725909	18.18	02-Apr-91	17:25:19	0.5846	0.000
33330.725914	0.725914	18.18	02-Apr-91	17:25:19	0.5918	0.000
33330.72592	0.72592	18.18	02-Apr-91	17:25:19	0.6005	0.000
33330.725926	0.725926	18.18	02-Apr-91	17:25:20	0.6091	0.000
33330.725932	0.725932	18.18	02-Apr-91	17:25:21	0.6178	0.000
33330.725938	0.725938	18.18	02-Apr-91	17:25:21	0.6264	0.000
33330.725943	0.725943	18.18	02-Apr-91	17:25:21	0.6336	0.000
33330.725949	0.725949	18.18	02-Apr-91	17:25:22	0.6422	0.000
33330.725955	0.725955	18.18	02-Apr-91	17:25:23	0.6509	0.000
33330.725961	0.725961	18.18	02-Apr-91	17:25:23	0.6595	0.000
33330.725966	0.725966	18.18	02-Apr-91	17:25:23	0.6667	0.000
33330.725972	0.725972	18.18	02-Apr-91	17:25:24	0.6754	0.000
33330.725978	0.725978	18.18	02-Apr-91	17:25:24	0.6840	0.000
33330.725984	0.725984	18.18	02-Apr-91	17:25:25	0.6926	0.000
33330.72599	0.72599	18.18	02-Apr-91	17:25:26	0.7013	0.000
33330.725995	0.725995	18.18	02-Apr-91	17:25:26	0.7085	0.000
33330.726001	0.726001	18.18	02-Apr-91	17:25:26	0.7171	0.000
33330.726007	0.726007	18.18	02-Apr-91	17:25:27	0.7258	0.000
33330.726013	0.726013	18.18	02-Apr-91	17:25:28	0.7344	0.000
33330.72602	0.72602	18.18	02-Apr-91	17:25:28	0.7445	0.000
33330.726024	0.726024	18.18	02-Apr-91	17:25:28	0.7502	0.000
33330.72603	0.72603	18.18	02-Apr-91	17:25:29	0.7589	0.000
33330.726036	0.726036	18.18	02-Apr-91	17:25:30	0.7675	0.000
33330.726042	0.726042	18.18	02-Apr-91	17:25:30	0.7762	0.000
33330.726047	0.726047	18.18	02-Apr-91	17:25:30	0.7834	0.000
33330.726053	0.726053	18.18	02-Apr-91	17:25:31	0.7920	0.000

33330.72606	0.72606	18.18	02-Apr-91	17:25:32	0.8021	0.000
33330.726065	0.726065	18.18	02-Apr-91	17:25:32	0.8093	0.000
33330.726071	0.726071	18.18	02-Apr-91	17:25:33	0.8179	0.000
33330.726076	0.726076	18.18	02-Apr-91	17:25:33	0.8251	0.000
33330.726082	0.726082	18.18	02-Apr-91	17:25:33	0.8338	0.000
33330.726088	0.726088	18.18	02-Apr-91	17:25:34	0.8424	0.000
33330.726094	0.726094	18.18	02-Apr-91	17:25:35	0.8510	0.000
33330.726101	0.726101	18.18	02-Apr-91	17:25:35	0.8611	0.000
33330.726105	0.726105	18.18	02-Apr-91	17:25:35	0.8669	0.000
33330.726111	0.726111	18.18	02-Apr-91	17:25:36	0.8755	0.000
33330.726117	0.726117	18.18	02-Apr-91	17:25:37	0.8842	0.000
33330.726123	0.726123	18.18	02-Apr-91	17:25:37	0.8928	0.000
33330.726128	0.726128	18.18	02-Apr-91	17:25:37	0.9000	0.000
33330.726134	0.726134	18.18	02-Apr-91	17:25:38	0.9086	0.000
33330.72614	0.72614	18.18	02-Apr-91	17:25:38	0.9173	0.000
33330.726146	0.726146	18.18	02-Apr-91	17:25:39	0.9259	0.000
33330.726152	0.726152	18.18	02-Apr-91	17:25:40	0.9346	0.000
33330.726157	0.726157	18.18	02-Apr-91	17:25:40	0.9418	0.000
33330.726163	0.726163	18.18	02-Apr-91	17:25:40	0.9504	0.000
33330.726169	0.726169	18.18	02-Apr-91	17:25:41	0.9590	0.000
33330.726175	0.726175	18.18	02-Apr-91	17:25:42	0.9677	0.000
33330.726181	0.726181	18.18	02-Apr-91	17:25:42	0.9763	0.000
33330.726186	0.726186	18.18	02-Apr-91	17:25:42	0.9835	0.000
33330.726192	0.726192	18.18	02-Apr-91	17:25:43	0.9922	0.000
33330.726198	0.726198	18.18	02-Apr-91	17:25:44	1.0008	0.000
33330.726204	0.726204	18.18	02-Apr-91	17:25:44	1.0094	0.000
33330.726209	0.726209	18.18	02-Apr-91	17:25:44	1.0166	0.000
33330.726215	0.726215	18.18	02-Apr-91	17:25:45	1.0253	0.000
33330.726221	0.726221	18.18	02-Apr-91	17:25:45	1.0339	0.000
33330.726227	0.726227	18.18	02-Apr-91	17:25:46	1.0426	0.000
33330.726233	0.726233	18.18	02-Apr-91	17:25:47	1.0512	0.000
33330.726238	0.726238	18.18	02-Apr-91	17:25:47	1.0584	0.000
33330.726244	0.726244	18.18	02-Apr-91	17:25:47	1.0670	0.000
33330.72625	0.72625	18.18	02-Apr-91	17:25:48	1.0757	0.000
33330.726256	0.726256	18.18	02-Apr-91	17:25:49	1.0843	0.000
33330.726262	0.726262	18.18	02-Apr-91	17:25:49	1.0930	0.000
33330.726267	0.726267	18.18	02-Apr-91	17:25:49	1.1002	0.000
33330.726273	0.726273	18.18	02-Apr-91	17:25:50	1.1088	0.000
33330.726279	0.726279	18.18	02-Apr-91	17:25:51	1.1174	0.000
33330.726285	0.726285	18.18	02-Apr-91	17:25:51	1.1261	0.000
33330.726291	0.726291	18.18	02-Apr-91	17:25:52	1.1347	0.000
33330.726296	0.726296	18.18	02-Apr-91	17:25:52	1.1419	0.000
33330.726302	0.726302	18.18	02-Apr-91	17:25:52	1.1506	0.000
33330.726308	0.726308	18.18	02-Apr-91	17:25:53	1.1592	0.000
33330.726314	0.726314	18.18	02-Apr-91	17:25:54	1.1678	0.000
33330.726319	0.726319	18.18	02-Apr-91	17:25:54	1.1750	0.000
33330.726325	0.726325	18.18	02-Apr-91	17:25:54	1.1837	0.000

33330.726331	0.726331	18.18	02-Apr-91	17:25:55	1.1923	0.000
33330.726337	0.726337	18.18	02-Apr-91	17:25:56	1.2010	0.000
33330.726343	0.726343	18.18	02-Apr-91	17:25:56	1.2096	0.000
33330.726348	0.726348	18.18	02-Apr-91	17:25:56	1.2168	0.000
33330.726354	0.726354	18.18	02-Apr-91	17:25:57	1.2254	0.000
33330.72636	0.72636	18.18	02-Apr-91	17:25:58	1.2341	0.000
33330.726366	0.726366	18.18	02-Apr-91	17:25:58	1.2427	0.000
33330.726372	0.726372	18.18	02-Apr-91	17:25:59	1.2514	0.000
33330.726377	0.726377	18.18	02-Apr-91	17:25:59	1.2586	0.000
33330.726383	0.726383	18.18	02-Apr-91	17:25:59	1.2672	0.000
33330.726389	0.726389	18.18	02-Apr-91	17:26:00	1.2758	0.000
33330.726395	0.726395	18.18	02-Apr-91	17:26:01	1.2845	0.000
33330.7264	0.7264	18.18	02-Apr-91	17:26:01	1.2917	0.000
33330.726406	0.726406	18.18	02-Apr-91	17:26:01	1.3003	0.000
33330.726412	0.726412	18.18	02-Apr-91	17:26:02	1.3090	0.000
33330.726418	0.726418	18.18	02-Apr-91	17:26:03	1.3176	0.000
33330.726424	0.726424	18.18	02-Apr-91	17:26:03	1.3262	0.000
33330.726429	0.726429	18.18	02-Apr-91	17:26:03	1.3334	0.000
33330.726435	0.726435	18.18	02-Apr-91	17:26:04	1.3421	0.000
33330.726441	0.726441	18.18	02-Apr-91	17:26:05	1.3507	0.000
33330.726448	0.726448	18.18	02-Apr-91	17:26:05	1.3608	0.000
33330.726453	0.726453	18.18	02-Apr-91	17:26:06	1.3680	0.000
33330.726458	0.726458	18.18	02-Apr-91	17:26:06	1.3752	0.000
33330.726464	0.726464	18.18	02-Apr-91	17:26:06	1.3838	0.000
33330.72647	0.72647	18.18	02-Apr-91	17:26:07	1.3925	0.000
33330.726476	0.726476	18.18	02-Apr-91	17:26:08	1.4011	0.000
33330.726481	0.726481	18.18	02-Apr-91	17:26:08	1.4083	0.000
33330.726488	0.726488	18.18	02-Apr-91	17:26:09	1.4184	0.000
33330.726493	0.726493	18.18	02-Apr-91	17:26:09	1.4256	0.000
33330.726499	0.726499	18.18	02-Apr-91	17:26:10	1.4342	0.000
33330.726505	0.726505	18.18	02-Apr-91	17:26:10	1.4429	0.000
33330.72651	0.72651	18.18	02-Apr-91	17:26:10	1.4501	0.000
33330.726516	0.726516	18.18	02-Apr-91	17:26:11	1.4587	0.000
33330.726522	0.726522	18.18	02-Apr-91	17:26:12	1.4674	0.000
33330.726529	0.726529	18.18	02-Apr-91	17:26:12	1.4774	0.000
33330.726534	0.726534	18.18	02-Apr-91	17:26:13	1.4846	0.000
33330.726539	0.726539	18.18	02-Apr-91	17:26:13	1.4918	0.000
33330.726545	0.726545	18.18	02-Apr-91	17:26:13	1.5005	0.000
33330.726551	0.726551	18.18	02-Apr-91	17:26:14	1.5091	0.000
33330.726557	0.726557	18.18	02-Apr-91	17:26:15	1.5178	0.000
33330.726563	0.726563	18.18	02-Apr-91	17:26:15	1.5264	0.000
33330.726569	0.726569	18.18	02-Apr-91	17:26:16	1.5350	0.000
33330.726574	0.726574	18.18	02-Apr-91	17:26:16	1.5422	0.000
33330.72658	0.72658	18.18	02-Apr-91	17:26:17	1.5509	0.000
33330.726586	0.726586	18.18	02-Apr-91	17:26:17	1.5595	0.000
33330.726591	0.726591	18.18	02-Apr-91	17:26:17	1.5667	0.000
33330.726597	0.726597	18.18	02-Apr-91	17:26:18	1.5754	0.000

33330.726603	0.726603	18.18	02-Apr-91	17:26:18	1.5840	0.000
33330.726609	0.726609	18.18	02-Apr-91	17:26:19	1.5926	0.000
33330.726615	0.726615	18.18	02-Apr-91	17:26:20	1.6013	0.000
33330.72662	0.72662	18.18	02-Apr-91	17:26:20	1.6085	0.000
33330.726626	0.726626	18.18	02-Apr-91	17:26:20	1.6171	0.000
33330.726632	0.726632	18.18	02-Apr-91	17:26:21	1.6258	0.000
33330.726638	0.726638	18.18	02-Apr-91	17:26:22	1.6344	0.000
33330.726644	0.726644	18.18	02-Apr-91	17:26:22	1.6430	0.000
33330.726649	0.726649	18.18	02-Apr-91	17:26:22	1.6502	0.000
33330.726655	0.726655	18.18	02-Apr-91	17:26:23	1.6589	0.000
33330.726661	0.726661	18.18	02-Apr-91	17:26:24	1.6675	0.000
33330.726667	0.726667	18.18	02-Apr-91	17:26:24	1.6762	0.000
33330.726672	0.726672	18.18	02-Apr-91	17:26:24	1.6834	0.000
33330.726678	0.726678	18.18	02-Apr-91	17:26:25	1.6920	0.000
33330.726684	0.726684	18.18	02-Apr-91	17:26:25	1.7006	0.000
33330.72669	0.72669	18.18	02-Apr-91	17:26:26	1.7093	0.000
33330.726696	0.726696	18.18	02-Apr-91	17:26:27	1.7179	0.000
33330.726701	0.726701	18.18	02-Apr-91	17:26:27	1.7251	0.000
33330.726707	0.726707	18.18	02-Apr-91	17:26:27	1.7338	0.000
33330.726713	0.726713	18.18	02-Apr-91	17:26:28	1.7424	0.000
33330.726719	0.726719	18.18	02-Apr-91	17:26:29	1.7510	0.000
33330.726725	0.726725	18.18	02-Apr-91	17:26:29	1.7597	0.000
33330.72673	0.72673	18.18	02-Apr-91	17:26:29	1.7669	0.000
33330.726736	0.726736	18.18	02-Apr-91	17:26:30	1.7755	0.000
33330.726742	0.726742	18.18	02-Apr-91	17:26:31	1.7842	0.000
33330.726748	0.726748	18.18	02-Apr-91	17:26:31	1.7928	0.000
33330.726753	0.726753	18.18	02-Apr-91	17:26:31	1.8000	0.000
33330.726759	0.726759	18.18	02-Apr-91	17:26:32	1.8086	0.000
33330.726765	0.726765	18.18	02-Apr-91	17:26:32	1.8173	0.000
33330.726771	0.726771	18.18	02-Apr-91	17:26:33	1.8259	0.000
33330.726777	0.726777	18.18	02-Apr-91	17:26:34	1.8346	0.000
33330.726782	0.726782	18.18	02-Apr-91	17:26:34	1.8418	0.000
33330.726788	0.726788	18.18	02-Apr-91	17:26:34	1.8504	0.000
33330.726794	0.726794	18.18	02-Apr-91	17:26:35	1.8590	0.000
33330.7268	0.7268	18.18	02-Apr-91	17:26:36	1.8677	0.000
33330.726806	0.726806	18.18	02-Apr-91	17:26:36	1.8763	0.000
33330.726811	0.726811	18.18	02-Apr-91	17:26:36	1.8835	0.000


Bouwer & Rice Slug Test Plot
Well MW-2 -- Ball Test #1
Head (feet)
10
1
10 -1
10 -2
-0.1
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-2s

Initial DTW (bgs) @ time < 0:	20.8	(feet)
Depth to top ot sandpack:	8.0	(feet)
Depth to top of screen:	13.0	(feet)
H = Initial head @ time < 0:	11.00	(feet)
H(0)= Maximum head (@ t ~ 0):	2.47	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	12.2	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	13.2	(feet)
Length watertable to bottom of sandpack:	12.2	(feet)
b = Aquifer saturated thickness:	75.0	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	05-Apr-91
Test Start Time >>>>>>	11:46:01
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	10.996

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33333.490139	0.490139	10.996	05-Apr-91	11:45:48	-0.21667	0.000	
33333.490145	0.490145	10.996	05-Apr-91	11:45:49	-0.20833	0.000	
33333.49015	0.490150	10.996	05-Apr-91	11:45:49	-0.20000	0.000	
33333.490156	0.490156	10.996	05-Apr-91	11:45:50	-0.19167	0.000	
33333.490162	0.490162	10.996	05-Apr-91	11:45:50	-0.18333	0.000	
33333.490162	0.490162	10.996	05-Apr-91	11:45:50	-0.18333	0.000	
33333.490174	0.490174	10.996	05-Apr-91	11:45:51	-0.16667	0.000	
33333.490179	0.490179	10.996	05-Apr-91	11:45:52	-0.15833	0.000	
33333.490185	0.490185	10.996	05-Apr-91	11:45:52	-0.15000	0.000	
33333.490191	0.490191	10.996	05-Apr-91	11:45:53	-0.14167	0.000	
33333.490197	0.490197	10.996	05-Apr-91	11:45:53	-0.13333	0.000	
33333.490203	0.490203	10.996	05-Apr-91	11:45:54	-0.12500	0.000	
33333.490208	0.490208	10.996	05-Apr-91	11:45:54	-0.11667	0.000	
33333.490214	0.490214	10.996	05-Apr-91	11:45:55	-0.10833	0.000	
33333.49022	0.490220	10.996	05-Apr-91	11:45:55	-0.10000	0.000	
33333.490227	0.490227	10.996	05-Apr-91	11:45:56	-0.09000	0.000	
33333.490231	0.490231	10.996	05-Apr-91	11:45:56	-0.08333	0.000	
33333.490237	0.490237	10.996	05-Apr-91	11:45:57	-0.07500	0.000	
33333.490243	0.490243	10.996	05-Apr-91	11:45:57	-0.06667	0.000	

33333.490249	0.490249	10.996	05-Apr-91	11:45:58	-0.05833	0.000	
33333.490255	0.490255	10.996	05-Apr-91	11:45:58	-0.05000	0.000	
33333.49026	0.490260	10.996	05-Apr-91	11:45:59	-0.04167	0.000	
33333.490266	0.490266	10.996	05-Apr-91	11:45:59	-0.03333	0.000	
33333.490272	0.490272	10.996	05-Apr-91	11:46:00	-0.02500	0.000	
33333.490278	0.490278	10.996	05-Apr-91	11:46:00	-0.01667	0.000	
33333.490284	0.490284	10.996	05-Apr-91	11:46:01	-0.00833	0.000	
33333.490289	0.490289	10.996	05-Apr-91	11:46:01	0.00000	0.000	
33333.490289	0.490289	10.58	05-Apr-91	11:46:01	0.00000	0.416	Start Bail test
33333.490301	0.490301	9.586	05-Apr-91	11:46:02	0.01667	1.410	
33333.490307	0.490307	8.524	05-Apr-91	11:46:03	0.02500	2.472	
33333.490313	0.490313	9.171	05-Apr-91	11:46:03	0.03333	1.825	
33333.490318	0.490318	9.309	05-Apr-91	11:46:04	0.04167	1.687	
33333.490324	0.490324	9.517	05-Apr-91	11:46:04	0.05000	1.479	
33333.49033	0.490330	9.679	05-Apr-91	11:46:05	0.05833	1.317	
33333.490336	0.490336	9.794	05-Apr-91	11:46:05	0.06667	1.202	
33333.490341	0.490341	9.864	05-Apr-91	11:46:06	0.07500	1.132	
33333.490347	0.490347	9.933	05-Apr-91	11:46:06	0.08333	1.063	
33333.490354	0.490354	9.979	05-Apr-91	11:46:07	0.09333	1.017	
33333.490359	0.490359	10.002	05-Apr-91	11:46:07	0.10000	0.994	
33333.490365	0.490365	10.002	05-Apr-91	11:46:08	0.10833	0.994	
33333.49037	0.490370	10.025	05-Apr-91	11:46:08	0.11667	0.971	
33333.490376	0.490376	10.048	05-Apr-91	11:46:09	0.12500	0.948	
33333.490382	0.490382	10.048	05-Apr-91	11:46:09	0.13333	0.948	
33333.490388	0.490388	10.072	05-Apr-91	11:46:10	0.14167	0.924	
33333.490394	0.490394	10.095	05-Apr-91	11:46:10	0.15000	0.901	
33333.490399	0.490399	10.095	05-Apr-91	11:46:11	0.15833	0.901	
33333.490405	0.490405	10.118	05-Apr-91	11:46:11	0.16667	0.878	
33333.490411	0.490411	10.118	05-Apr-91	11:46:12	0.17500	0.878	
33333.490417	0.490417	10.141	05-Apr-91	11:46:12	0.18333	0.855	
33333.490417	0.490417	10.164	05-Apr-91	11:46:12	0.18333	0.832	
33333.490428	0.490428	10.164	05-Apr-91	11:46:13	0.20000	0.832	
33333.490434	0.490434	10.164	05-Apr-91	11:46:14	0.20833	0.832	
33333.49044	0.490440	10.187	05-Apr-91	11:46:14	0.21667	0.809	
33333.490446	0.490446	10.187	05-Apr-91	11:46:15	0.22500	0.809	
33333.490451	0.490451	10.21	05-Apr-91	11:46:15	0.23333	0.786	
33333.490457	0.490457	10.21	05-Apr-91	11:46:16	0.24167	0.786	
33333.490463	0.490463	10.21	05-Apr-91	11:46:16	0.25000	0.786	
33333.490469	0.490469	10.233	05-Apr-91	11:46:17	0.25833	0.763	
33333.490475	0.490475	10.233	05-Apr-91	11:46:17	0.26667	0.763	
33333.490481	0.490481	10.233	05-Apr-91	11:46:18	0.27667	0.763	
33333.490486	0.490486	10.256	05-Apr-91	11:46:18	0.28333	0.740	
33333.490492	0.490492	10.256	05-Apr-91	11:46:19	0.29167	0.740	
33333.490498	0.490498	10.256	05-Apr-91	11:46:19	0.30000	0.740	
33333.490503	0.490503	10.279	05-Apr-91	11:46:20	0.30833	0.717	
33333.490509	0.490509	10.279	05-Apr-91	11:46:20	0.31667	0.717	
33333.490515	0.490515	10.279	05-Apr-91	11:46:21	0.32500	0.717	

33333.490521	0.490521	10.303	05-Apr-91	11:46:21	0.33333	0.693
33333.490527	0.490527	10.303	05-Apr-91	11:46:22	0.34167	0.693
33333.490532	0.490532	10.303	05-Apr-91	11:46:22	0.35000	0.693
33333.490538	0.490538	10.303	05-Apr-91	11:46:23	0.35833	0.693
33333.490544	0.490544	10.326	05-Apr-91	11:46:23	0.36667	0.670
33333.49055	0.490550	10.326	05-Apr-91	11:46:24	0.37500	0.670
33333.490556	0.490556	10.326	05-Apr-91	11:46:24	0.38333	0.670
33333.490561	0.490561	10.349	05-Apr-91	11:46:25	0.39167	0.647
33333.490567	0.490567	10.349	05-Apr-91	11:46:25	0.40000	0.647
33333.490573	0.490573	10.349	05-Apr-91	11:46:26	0.40833	0.647
33333.490579	0.490579	10.349	05-Apr-91	11:46:26	0.41667	0.647
33333.490584	0.490584	10.372	05-Apr-91	11:46:27	0.42500	0.624
33333.49059	0.490590	10.372	05-Apr-91	11:46:27	0.43333	0.624
33333.490596	0.490596	10.372	05-Apr-91	11:46:28	0.44167	0.624
33333.490602	0.490602	10.372	05-Apr-91	11:46:28	0.45000	0.624
33333.490608	0.490608	10.395	05-Apr-91	11:46:29	0.45833	0.601
33333.490613	0.490613	10.395	05-Apr-91	11:46:29	0.46667	0.601
33333.490619	0.490619	10.395	05-Apr-91	11:46:30	0.47500	0.601
33333.490625	0.490625	10.395	05-Apr-91	11:46:30	0.48333	0.601
33333.490631	0.490631	10.395	05-Apr-91	11:46:31	0.49167	0.601
33333.490637	0.490637	10.418	05-Apr-91	11:46:31	0.50000	0.578
33333.490642	0.490642	10.418	05-Apr-91	11:46:32	0.50833	0.578
33333.490648	0.490648	10.418	05-Apr-91	11:46:32	0.51667	0.578
33333.490654	0.490654	10.418	05-Apr-91	11:46:33	0.52500	0.578
33333.49066	0.490660	10.441	05-Apr-91	11:46:33	0.53333	0.555
33333.490666	0.490666	10.418	05-Apr-91	11:46:34	0.54167	0.578
33333.490671	0.490671	10.441	05-Apr-91	11:46:34	0.55000	0.555
33333.490677	0.490677	10.441	05-Apr-91	11:46:35	0.55833	0.555
33333.490683	0.490683	10.441	05-Apr-91	11:46:35	0.56667	0.555
33333.490689	0.490689	10.441	05-Apr-91	11:46:36	0.57500	0.555
33333.490694	0.490694	10.464	05-Apr-91	11:46:36	0.58333	0.532
33333.4907	0.490700	10.464	05-Apr-91	11:46:37	0.59167	0.532
33333.490706	0.490706	10.464	05-Apr-91	11:46:37	0.60000	0.532
33333.490712	0.490712	10.464	05-Apr-91	11:46:38	0.60833	0.532
33333.490718	0.490718	10.464	05-Apr-91	11:46:38	0.61667	0.532
33333.490723	0.490723	10.487	05-Apr-91	11:46:39	0.62500	0.509
33333.490729	0.490729	10.487	05-Apr-91	11:46:39	0.63333	0.509
33333.490735	0.490735	10.487	05-Apr-91	11:46:40	0.64167	0.509
33333.490741	0.490741	10.487	05-Apr-91	11:46:40	0.65000	0.509
33333.490747	0.490747	10.487	05-Apr-91	11:46:41	0.65833	0.509
33333.490752	0.490752	10.487	05-Apr-91	11:46:41	0.66667	0.509
33333.490758	0.490758	10.51	05-Apr-91	11:46:42	0.67500	0.486
33333.490764	0.490764	10.51	05-Apr-91	11:46:42	0.68333	0.486
33333.49077	0.490770	10.51	05-Apr-91	11:46:43	0.69167	0.486
33333.490775	0.490775	10.51	05-Apr-91	11:46:43	0.70000	0.486
33333.490781	0.490781	10.51	05-Apr-91	11:46:44	0.70833	0.486
33333.490787	0.490787	10.534	05-Apr-91	11:46:44	0.71667	0.462

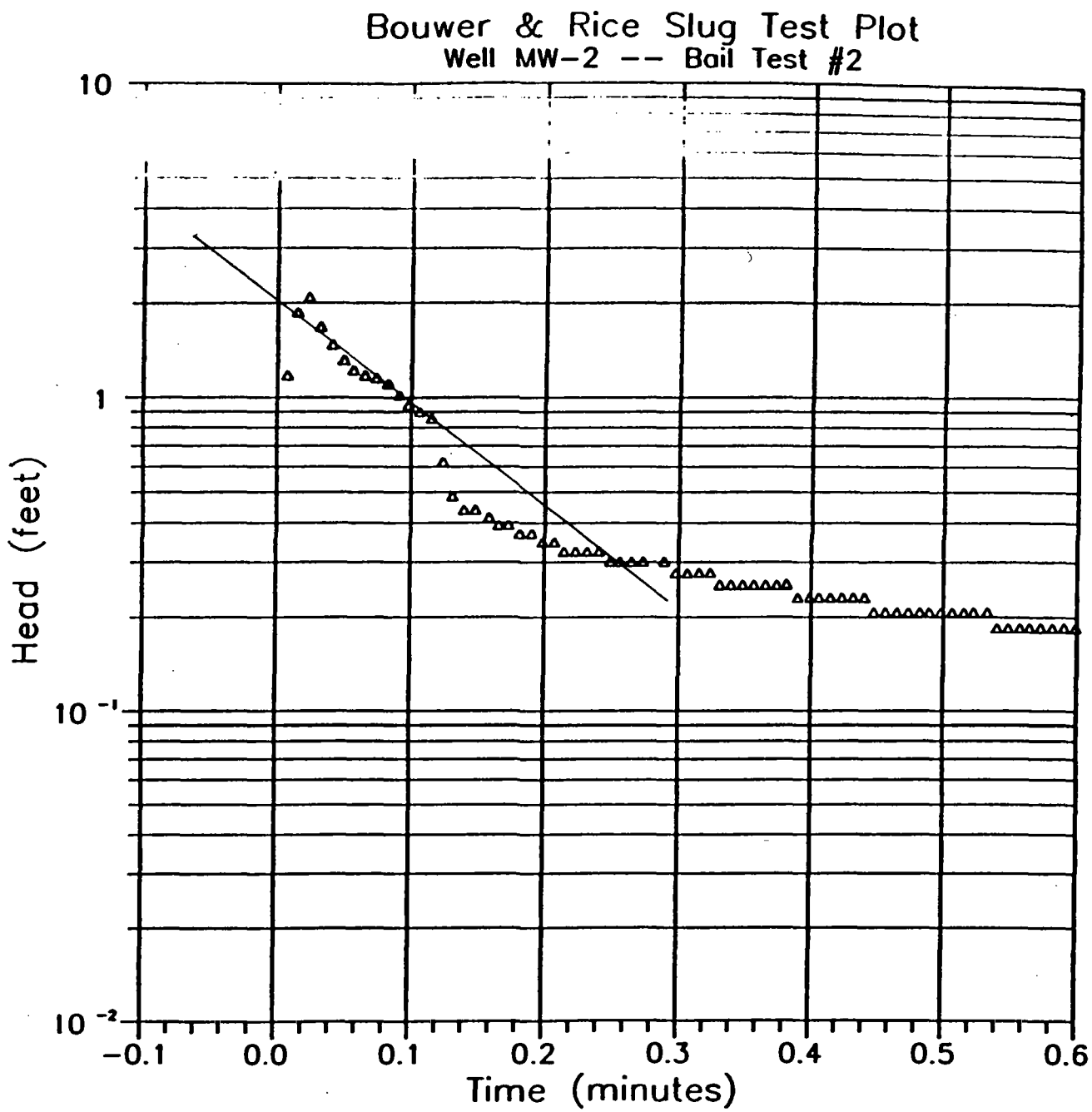
33333.490793	0.490793	10.534	05-Apr-91	11:46:45	0.72500	0.462
33333.490799	0.490799	10.534	05-Apr-91	11:46:45	0.73333	0.462
33333.490804	0.490804	10.534	05-Apr-91	11:46:46	0.74167	0.462
33333.49081	0.490810	10.534	05-Apr-91	11:46:46	0.75000	0.462
33333.490816	0.490816	10.534	05-Apr-91	11:46:47	0.75833	0.462
33333.490822	0.490822	10.534	05-Apr-91	11:46:47	0.76667	0.462
33333.490828	0.490828	10.534	05-Apr-91	11:46:48	0.77500	0.462
33333.490833	0.490833	10.534	05-Apr-91	11:46:48	0.78333	0.462
33333.490839	0.490839	10.557	05-Apr-91	11:46:49	0.79167	0.439
33333.490845	0.490845	10.557	05-Apr-91	11:46:49	0.80000	0.439
33333.490851	0.490851	10.557	05-Apr-91	11:46:50	0.80833	0.439
33333.490856	0.490856	10.557	05-Apr-91	11:46:50	0.81667	0.439
33333.490862	0.490862	10.557	05-Apr-91	11:46:51	0.82500	0.439
33333.490868	0.490868	10.58	05-Apr-91	11:46:51	0.83333	0.416
33333.490874	0.490874	10.557	05-Apr-91	11:46:52	0.84167	0.439
33333.49088	0.490880	10.58	05-Apr-91	11:46:52	0.85000	0.416
33333.490885	0.490885	10.58	05-Apr-91	11:46:53	0.85833	0.416
33333.490891	0.490891	10.58	05-Apr-91	11:46:53	0.86667	0.416
33333.490897	0.490897	10.58	05-Apr-91	11:46:54	0.87500	0.416
33333.490903	0.490903	10.58	05-Apr-91	11:46:54	0.88333	0.416
33333.490909	0.490909	10.58	05-Apr-91	11:46:55	0.89167	0.416
33333.490914	0.490914	10.603	05-Apr-91	11:46:55	0.90000	0.393
33333.49092	0.490920	10.603	05-Apr-91	11:46:56	0.90833	0.393
33333.490926	0.490926	10.603	05-Apr-91	11:46:56	0.91667	0.393
33333.490932	0.490932	10.603	05-Apr-91	11:46:57	0.92500	0.393
33333.490938	0.490938	10.603	05-Apr-91	11:46:57	0.93333	0.393
33333.490943	0.490943	10.603	05-Apr-91	11:46:58	0.94167	0.393
33333.490949	0.490949	10.603	05-Apr-91	11:46:58	0.95000	0.393
33333.490955	0.490955	10.603	05-Apr-91	11:46:59	0.95833	0.393
33333.490961	0.490961	10.626	05-Apr-91	11:46:59	0.96667	0.370
33333.490966	0.490966	10.626	05-Apr-91	11:47:00	0.97500	0.370
33333.490972	0.490972	10.626	05-Apr-91	11:47:00	0.98333	0.370
33333.490978	0.490978	10.626	05-Apr-91	11:47:01	0.99167	0.370
33333.490984	0.490984	10.626	05-Apr-91	11:47:01	1.00000	0.370
33333.49099	0.490990	10.626	05-Apr-91	11:47:02	1.00833	0.370
33333.490995	0.490995	10.626	05-Apr-91	11:47:02	1.01667	0.370
33333.491001	0.491001	10.626	05-Apr-91	11:47:03	1.02500	0.370
33333.491007	0.491007	10.626	05-Apr-91	11:47:03	1.03333	0.370
33333.491013	0.491013	10.626	05-Apr-91	11:47:04	1.04167	0.370
33333.491019	0.491019	10.649	05-Apr-91	11:47:04	1.05000	0.347
33333.491024	0.491024	10.649	05-Apr-91	11:47:05	1.05833	0.347
33333.49103	0.491030	10.649	05-Apr-91	11:47:05	1.06667	0.347
33333.491036	0.491036	10.649	05-Apr-91	11:47:06	1.07500	0.347
33333.491042	0.491042	10.649	05-Apr-91	11:47:06	1.08333	0.347
33333.491047	0.491047	10.649	05-Apr-91	11:47:07	1.09167	0.347
33333.491053	0.491053	10.649	05-Apr-91	11:47:07	1.10000	0.347
33333.491059	0.491059	10.649	05-Apr-91	11:47:08	1.10833	0.347

33333.491065	0.491065	10.672	05-Apr-91	11:47:08	1.11667	0.324
33333.491071	0.491071	10.672	05-Apr-91	11:47:09	1.12500	0.324
33333.491076	0.491076	10.672	05-Apr-91	11:47:09	1.13333	0.324
33333.491082	0.491082	10.672	05-Apr-91	11:47:10	1.14167	0.324
33333.491088	0.491088	10.672	05-Apr-91	11:47:10	1.15000	0.324
33333.491094	0.491094	10.672	05-Apr-91	11:47:11	1.15833	0.324
33333.4911	0.491100	10.672	05-Apr-91	11:47:11	1.16667	0.324
33333.491105	0.491105	10.672	05-Apr-91	11:47:12	1.17500	0.324
33333.491111	0.491111	10.672	05-Apr-91	11:47:12	1.18333	0.324
33333.491117	0.491117	10.672	05-Apr-91	11:47:13	1.19167	0.324
33333.491123	0.491123	10.672	05-Apr-91	11:47:13	1.20000	0.324
33333.491128	0.491128	10.695	05-Apr-91	11:47:14	1.20833	0.301
33333.491134	0.491134	10.695	05-Apr-91	11:47:14	1.21667	0.301
33333.49114	0.491140	10.695	05-Apr-91	11:47:15	1.22500	0.301
33333.491146	0.491146	10.695	05-Apr-91	11:47:15	1.23333	0.301
33333.491152	0.491152	10.695	05-Apr-91	11:47:16	1.24167	0.301
33333.491157	0.491157	10.695	05-Apr-91	11:47:16	1.25000	0.301
33333.491163	0.491163	10.695	05-Apr-91	11:47:17	1.25833	0.301
33333.491169	0.491169	10.695	05-Apr-91	11:47:17	1.26667	0.301
33333.491175	0.491175	10.695	05-Apr-91	11:47:18	1.27500	0.301
33333.491181	0.491181	10.695	05-Apr-91	11:47:18	1.28333	0.301
33333.491186	0.491186	10.695	05-Apr-91	11:47:19	1.29167	0.301
33333.491192	0.491192	10.718	05-Apr-91	11:47:19	1.30000	0.278
33333.491198	0.491198	10.695	05-Apr-91	11:47:20	1.30833	0.301
33333.491204	0.491204	10.718	05-Apr-91	11:47:20	1.31667	0.278
33333.491209	0.491209	10.695	05-Apr-91	11:47:21	1.32500	0.301
33333.491215	0.491215	10.718	05-Apr-91	11:47:21	1.33333	0.278
33333.491221	0.491221	10.718	05-Apr-91	11:47:22	1.34167	0.278
33333.491227	0.491227	10.718	05-Apr-91	11:47:22	1.35000	0.278
33333.491233	0.491233	10.718	05-Apr-91	11:47:23	1.35833	0.278
33333.491238	0.491238	10.718	05-Apr-91	11:47:23	1.36667	0.278
33333.491244	0.491244	10.718	05-Apr-91	11:47:24	1.37500	0.278
33333.49125	0.491250	10.718	05-Apr-91	11:47:24	1.38333	0.278
33333.491256	0.491256	10.718	05-Apr-91	11:47:25	1.39167	0.278
33333.491262	0.491262	10.718	05-Apr-91	11:47:25	1.40000	0.278
33333.491267	0.491267	10.718	05-Apr-91	11:47:26	1.40833	0.278
33333.491273	0.491273	10.741	05-Apr-91	11:47:26	1.41667	0.255
33333.491279	0.491279	10.741	05-Apr-91	11:47:27	1.42500	0.255
33333.491285	0.491285	10.741	05-Apr-91	11:47:27	1.43333	0.255
33333.491291	0.491291	10.741	05-Apr-91	11:47:28	1.44167	0.255
33333.491296	0.491296	10.741	05-Apr-91	11:47:28	1.45000	0.255
33333.491302	0.491302	10.741	05-Apr-91	11:47:29	1.45833	0.255
33333.491308	0.491308	10.741	05-Apr-91	11:47:29	1.46667	0.255
33333.491314	0.491314	10.741	05-Apr-91	11:47:30	1.47500	0.255
33333.491319	0.491319	10.741	05-Apr-91	11:47:30	1.48333	0.255
33333.491325	0.491325	10.741	05-Apr-91	11:47:31	1.49167	0.255
33333.491331	0.491331	10.741	05-Apr-91	11:47:31	1.50000	0.255

33333.491337	0.491337	10.765	05-Apr-91	11:47:32	1.50833	0.231
33333.491343	0.491343	10.765	05-Apr-91	11:47:32	1.51667	0.231
33333.491348	0.491348	10.741	05-Apr-91	11:47:33	1.52500	0.255
33333.491354	0.491354	10.765	05-Apr-91	11:47:33	1.53333	0.231
33333.49136	0.491360	10.765	05-Apr-91	11:47:34	1.54167	0.231
33333.491366	0.491366	10.741	05-Apr-91	11:47:34	1.55000	0.255
33333.491372	0.491372	10.765	05-Apr-91	11:47:35	1.55833	0.231
33333.491377	0.491377	10.765	05-Apr-91	11:47:35	1.56667	0.231
33333.491383	0.491383	10.741	05-Apr-91	11:47:36	1.57500	0.255
33333.491389	0.491389	10.765	05-Apr-91	11:47:36	1.58333	0.231
33333.491395	0.491395	10.765	05-Apr-91	11:47:37	1.59167	0.231
33333.4914	0.491400	10.765	05-Apr-91	11:47:37	1.60000	0.231
33333.491406	0.491406	10.765	05-Apr-91	11:47:38	1.60833	0.231
33333.491412	0.491412	10.765	05-Apr-91	11:47:38	1.61667	0.231
33333.491418	0.491418	10.765	05-Apr-91	11:47:39	1.62500	0.231
33333.491424	0.491424	10.765	05-Apr-91	11:47:39	1.63333	0.231
33333.491429	0.491429	10.765	05-Apr-91	11:47:40	1.64167	0.231
33333.491435	0.491435	10.765	05-Apr-91	11:47:40	1.65000	0.231
33333.491441	0.491441	10.765	05-Apr-91	11:47:41	1.65833	0.231
33333.491447	0.491447	10.765	05-Apr-91	11:47:41	1.66667	0.231
33333.491453	0.491453	10.788	05-Apr-91	11:47:42	1.67500	0.208
33333.491458	0.491458	10.765	05-Apr-91	11:47:42	1.68333	0.231
33333.491464	0.491464	10.788	05-Apr-91	11:47:43	1.69167	0.208
33333.49147	0.491470	10.788	05-Apr-91	11:47:43	1.70000	0.208
33333.491476	0.491476	10.788	05-Apr-91	11:47:44	1.70833	0.208
33333.491481	0.491481	10.788	05-Apr-91	11:47:44	1.71667	0.208
33333.491487	0.491487	10.788	05-Apr-91	11:47:45	1.72500	0.208
33333.491493	0.491493	10.788	05-Apr-91	11:47:45	1.73333	0.208
33333.491499	0.491499	10.788	05-Apr-91	11:47:46	1.74167	0.208
33333.491505	0.491505	10.788	05-Apr-91	11:47:46	1.75000	0.208
33333.49151	0.491510	10.788	05-Apr-91	11:47:47	1.75833	0.208
33333.491516	0.491516	10.788	05-Apr-91	11:47:47	1.76667	0.208
33333.491522	0.491522	10.788	05-Apr-91	11:47:48	1.77500	0.208
33333.491528	0.491528	10.788	05-Apr-91	11:47:48	1.78333	0.208
33333.491534	0.491534	10.788	05-Apr-91	11:47:49	1.79167	0.208
33333.491539	0.491539	10.788	05-Apr-91	11:47:49	1.80000	0.208
33333.491545	0.491545	10.788	05-Apr-91	11:47:50	1.80833	0.208
33333.491551	0.491551	10.788	05-Apr-91	11:47:50	1.81667	0.208
33333.491557	0.491557	10.811	05-Apr-91	11:47:51	1.82500	0.185
33333.491563	0.491563	10.788	05-Apr-91	11:47:51	1.83333	0.208
33333.491568	0.491568	10.788	05-Apr-91	11:47:52	1.84167	0.208
33333.491574	0.491574	10.811	05-Apr-91	11:47:52	1.85000	0.185
33333.49158	0.491580	10.788	05-Apr-91	11:47:53	1.85833	0.208
33333.491586	0.491586	10.811	05-Apr-91	11:47:53	1.86667	0.185
33333.491591	0.491591	10.811	05-Apr-91	11:47:54	1.87500	0.185
33333.491597	0.491597	10.811	05-Apr-91	11:47:54	1.88333	0.185
33333.491603	0.491603	10.811	05-Apr-91	11:47:55	1.89167	0.185

33333.491609	0.491609	10.811	05-Apr-91	11:47:55	1.90000	0.185
33333.491615	0.491615	10.811	05-Apr-91	11:47:56	1.90833	0.185
33333.49162	0.491620	10.811	05-Apr-91	11:47:56	1.91667	0.185
33333.491626	0.491626	10.811	05-Apr-91	11:47:57	1.92500	0.185
33333.491632	0.491632	10.811	05-Apr-91	11:47:57	1.93333	0.185
33333.491638	0.491638	10.811	05-Apr-91	11:47:58	1.94167	0.185
33333.491644	0.491644	10.811	05-Apr-91	11:47:58	1.95000	0.185
33333.491649	0.491649	10.811	05-Apr-91	11:47:59	1.95833	0.185
33333.491655	0.491655	10.811	05-Apr-91	11:47:59	1.96667	0.185
33333.491661	0.491661	10.811	05-Apr-91	11:48:00	1.97500	0.185
33333.491667	0.491667	10.811	05-Apr-91	11:48:00	1.98333	0.185
33333.491672	0.491672	10.811	05-Apr-91	11:48:01	1.99167	0.185
33333.491678	0.491678	10.811	05-Apr-91	11:48:01	2.00000	0.185
33333.491684	0.491684	10.811	05-Apr-91	11:48:02	2.00833	0.185
33333.49169	0.491690	10.811	05-Apr-91	11:48:02	2.01667	0.185
33333.491696	0.491696	10.811	05-Apr-91	11:48:03	2.02500	0.185
33333.491701	0.491701	10.811	05-Apr-91	11:48:03	2.03333	0.185
33333.491707	0.491707	10.811	05-Apr-91	11:48:04	2.04167	0.185
33333.491713	0.491713	10.811	05-Apr-91	11:48:04	2.05000	0.185
33333.491719	0.491719	10.834	05-Apr-91	11:48:05	2.05833	0.162
33333.491725	0.491725	10.834	05-Apr-91	11:48:05	2.06667	0.162
33333.49173	0.491730	10.834	05-Apr-91	11:48:06	2.07500	0.162
33333.491736	0.491736	10.834	05-Apr-91	11:48:06	2.08333	0.162
33333.491742	0.491742	10.811	05-Apr-91	11:48:07	2.09167	0.185
33333.491748	0.491748	10.834	05-Apr-91	11:48:07	2.10000	0.162
33333.491753	0.491753	10.834	05-Apr-91	11:48:08	2.10833	0.162
33333.491759	0.491759	10.834	05-Apr-91	11:48:08	2.11667	0.162
33333.491765	0.491765	10.834	05-Apr-91	11:48:09	2.12500	0.162
33333.491771	0.491771	10.834	05-Apr-91	11:48:09	2.13333	0.162
33333.491777	0.491777	10.834	05-Apr-91	11:48:10	2.14167	0.162
33333.491782	0.491782	10.834	05-Apr-91	11:48:10	2.15000	0.162
33333.491788	0.491788	10.834	05-Apr-91	11:48:11	2.15833	0.162
33333.491794	0.491794	10.834	05-Apr-91	11:48:11	2.16667	0.162
33333.4918	0.491800	10.834	05-Apr-91	11:48:12	2.17500	0.162
33333.491806	0.491806	10.834	05-Apr-91	11:48:12	2.18333	0.162
33333.491811	0.491811	10.834	05-Apr-91	11:48:13	2.19167	0.162
33333.491817	0.491817	10.834	05-Apr-91	11:48:13	2.20000	0.162
33333.491823	0.491823	10.834	05-Apr-91	11:48:14	2.20833	0.162
33333.491829	0.491829	10.834	05-Apr-91	11:48:14	2.21667	0.162
33333.491834	0.491834	10.834	05-Apr-91	11:48:15	2.22500	0.162
33333.49184	0.491840	10.834	05-Apr-91	11:48:15	2.23333	0.162
33333.491846	0.491846	10.857	05-Apr-91	11:48:16	2.24167	0.139
33333.491852	0.491852	10.834	05-Apr-91	11:48:16	2.25000	0.162
33333.491858	0.491858	10.834	05-Apr-91	11:48:17	2.25833	0.162
33333.491863	0.491863	10.834	05-Apr-91	11:48:17	2.26667	0.162
33333.491869	0.491869	10.857	05-Apr-91	11:48:18	2.27500	0.139
33333.491875	0.491875	10.857	05-Apr-91	11:48:18	2.28333	0.139

33333.491881	0.491881	10.857	05-Apr-91	11:48:19	2.29167	0.139
33333.491887	0.491887	10.857	05-Apr-91	11:48:19	2.30000	0.139
33333.491892	0.491892	10.834	05-Apr-91	11:48:20	2.30833	0.162
33333.491898	0.491898	10.857	05-Apr-91	11:48:20	2.31667	0.139
33333.491904	0.491904	10.857	05-Apr-91	11:48:21	2.32500	0.139
33333.49191	0.491910	10.834	05-Apr-91	11:48:21	2.33333	0.162
33333.491916	0.491916	10.857	05-Apr-91	11:48:22	2.34167	0.139
33333.491921	0.491921	10.857	05-Apr-91	11:48:22	2.35000	0.139
33333.491927	0.491927	10.857	05-Apr-91	11:48:23	2.35833	0.139
33333.491933	0.491933	10.857	05-Apr-91	11:48:23	2.36667	0.139
33333.491939	0.491939	10.857	05-Apr-91	11:48:24	2.37500	0.139
33333.491944	0.491944	10.857	05-Apr-91	11:48:24	2.38333	0.139
33333.49195	0.491950	10.857	05-Apr-91	11:48:25	2.39167	0.139
33333.491956	0.491956	10.857	05-Apr-91	11:48:25	2.40000	0.139
33333.491962	0.491962	10.857	05-Apr-91	11:48:26	2.40833	0.139
33333.491968	0.491968	10.857	05-Apr-91	11:48:26	2.41667	0.139
33333.491973	0.491973	10.857	05-Apr-91	11:48:27	2.42500	0.139
33333.491979	0.491979	10.857	05-Apr-91	11:48:27	2.43333	0.139
33333.491985	0.491985	10.857	05-Apr-91	11:48:28	2.44167	0.139
33333.491991	0.491991	10.857	05-Apr-91	11:48:28	2.45000	0.139
33333.491997	0.491997	10.857	05-Apr-91	11:48:29	2.45833	0.139
33333.492002	0.492002	10.857	05-Apr-91	11:48:29	2.46667	0.139
33333.492008	0.492008	10.857	05-Apr-91	11:48:30	2.47500	0.139
33333.492014	0.492014	10.857	05-Apr-91	11:48:30	2.48333	0.139
33333.49202	0.492020	10.857	05-Apr-91	11:48:31	2.49167	0.139
33333.492025	0.492025	10.857	05-Apr-91	11:48:31	2.50000	0.139
33333.492032	0.492032	10.857	05-Apr-91	11:48:32	2.51000	0.139
33333.492037	0.492037	10.88	05-Apr-91	11:48:32	2.51667	0.116
33333.492043	0.492043	10.857	05-Apr-91	11:48:33	2.52500	0.139
33333.492049	0.492049	10.857	05-Apr-91	11:48:33	2.53333	0.139
33333.492054	0.492054	10.857	05-Apr-91	11:48:34	2.54167	0.139
33333.49206	0.492060	10.88	05-Apr-91	11:48:34	2.55000	0.116
33333.492066	0.492066	10.857	05-Apr-91	11:48:35	2.55833	0.139
33333.492072	0.492072	10.857	05-Apr-91	11:48:35	2.56667	0.139
33333.492078	0.492078	10.857	05-Apr-91	11:48:36	2.57500	0.139
33333.492083	0.492083	10.857	05-Apr-91	11:48:36	2.58333	0.139
33333.492089	0.492089	10.88	05-Apr-91	11:48:37	2.59167	0.116
33333.492095	0.492095	10.88	05-Apr-91	11:48:37	2.60000	0.116
33333.492095	0.492095	10.88	05-Apr-91	11:48:37	2.60000	0.116
33333.492106	0.492106	10.88	05-Apr-91	11:48:38	2.61667	0.116
33333.492112	0.492112	10.88	05-Apr-91	11:48:39	2.62500	0.116
33333.492118	0.492118	10.88	05-Apr-91	11:48:39	2.63333	0.116
33333.492124	0.492124	10.88	05-Apr-91	11:48:40	2.64167	0.116
33333.49213	0.492130	10.88	05-Apr-91	11:48:40	2.65000	0.116
33333.492135	0.492135	10.88	05-Apr-91	11:48:41	2.65833	0.116
33333.492141	0.492141	10.88	05-Apr-91	11:48:41	2.66667	0.116
33333.492147	0.492147	10.88	05-Apr-91	11:48:42	2.67500	0.116


Bouwer & Rice Slug Test Plot
Well MW-2 -- Bail Test #2
10
1
10 -1
10 -2
Head (feet)
-0.1
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-2s

Initial DTW (bgs) @ time < 0:	20.8	(feet)
Depth to top of sandpack:	8.0	(feet)
Depth to top of screen:	13.0	(feet)
H = Initial head @ time < 0:	11.04	(feet)
H(0)= Maximum head (@ t ~ 0):	5.34	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	12.2	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	13.2	(feet)
Length watertable to bottom of sandpack:	12.2	(feet)
b = Aquifer saturated thickness: (est.)	75.0	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	05-Apr-91
Test Start Time >>>>>>	12:01:37
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	11.042

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33333.500868	0.500868	11.065	05-Apr-91	12:01:15	-0.36000	0.023	
33333.500874	0.500874	11.065	05-Apr-91	12:01:16	-0.35167	0.023	
33333.50088	0.500880	11.042	05-Apr-91	12:01:16	-0.34333	0.000	
33333.500885	0.500885	11.065	05-Apr-91	12:01:17	-0.33500	0.023	
33333.500891	0.500891	11.065	05-Apr-91	12:01:17	-0.32667	0.023	
33333.500897	0.500897	11.065	05-Apr-91	12:01:18	-0.31833	0.023	
33333.500903	0.500903	11.065	05-Apr-91	12:01:18	-0.31000	0.023	
33333.500909	0.500909	11.065	05-Apr-91	12:01:19	-0.30167	0.023	
33333.500914	0.500914	11.042	05-Apr-91	12:01:19	-0.29333	0.000	
33333.50092	0.500920	11.042	05-Apr-91	12:01:20	-0.28500	0.000	
33333.500926	0.500926	11.042	05-Apr-91	12:01:20	-0.27667	0.000	
33333.500932	0.500932	11.042	05-Apr-91	12:01:21	-0.26833	0.000	
33333.500938	0.500938	11.042	05-Apr-91	12:01:21	-0.26000	0.000	
33333.500943	0.500943	11.065	05-Apr-91	12:01:22	-0.25167	0.023	
33333.500949	0.500949	11.042	05-Apr-91	12:01:22	-0.24333	0.000	
33333.500955	0.500955	11.042	05-Apr-91	12:01:23	-0.23500	0.000	
33333.500961	0.500961	11.042	05-Apr-91	12:01:23	-0.22667	0.000	
33333.500968	0.500968	11.042	05-Apr-91	12:01:24	-0.21667	0.000	
33333.500972	0.500972	11.042	05-Apr-91	12:01:24	-0.21000	0.000	

33333.500978	0.500978	11.042	05-Apr-91	12:01:25	-0.20167	0.000	
33333.500984	0.500984	11.042	05-Apr-91	12:01:25	-0.19333	0.000	
33333.50099	0.500990	11.042	05-Apr-91	12:01:26	-0.18500	0.000	
33333.500995	0.500995	11.042	05-Apr-91	12:01:26	-0.17667	0.000	
33333.501001	0.501001	11.042	05-Apr-91	12:01:27	-0.16833	0.000	
33333.501007	0.501007	11.042	05-Apr-91	12:01:27	-0.16000	0.000	
33333.501013	0.501013	11.042	05-Apr-91	12:01:28	-0.15167	0.000	
33333.501019	0.501019	11.042	05-Apr-91	12:01:28	-0.14333	0.000	
33333.501024	0.501024	11.042	05-Apr-91	12:01:29	-0.13500	0.000	
33333.50103	0.501030	11.042	05-Apr-91	12:01:29	-0.12667	0.000	
33333.501036	0.501036	11.042	05-Apr-91	12:01:30	-0.11833	0.000	
33333.501042	0.501042	11.042	05-Apr-91	12:01:30	-0.11000	0.000	
33333.501047	0.501047	11.042	05-Apr-91	12:01:31	-0.10167	0.000	
33333.501053	0.501053	11.042	05-Apr-91	12:01:31	-0.09333	0.000	
33333.501065	0.501065	11.042	05-Apr-91	12:01:32	-0.07667	0.000	
33333.501071	0.501071	11.042	05-Apr-91	12:01:33	-0.06833	0.000	
33333.501076	0.501076	11.042	05-Apr-91	12:01:33	-0.06000	0.000	
33333.501082	0.501082	11.042	05-Apr-91	12:01:34	-0.05167	0.000	
33333.501088	0.501088	11.042	05-Apr-91	12:01:34	-0.04333	0.000	
33333.501094	0.501094	11.042	05-Apr-91	12:01:35	-0.03500	0.000	
33333.5011	0.501100	11.042	05-Apr-91	12:01:35	-0.02667	0.000	
33333.501105	0.501105	11.042	05-Apr-91	12:01:36	-0.01833	0.000	
33333.501111	0.501111	11.042	05-Apr-91	12:01:36	-0.01000	0.000	
33333.501118	0.501118	5.706	05-Apr-91	12:01:37	0.00000	5.336	Start Bail test
33333.501123	0.501123	9.864	05-Apr-91	12:01:37	0.00667	1.178	
33333.501128	0.501128	9.171	05-Apr-91	12:01:38	0.01500	1.871	
33333.501134	0.501134	8.963	05-Apr-91	12:01:38	0.02333	2.079	
33333.50114	0.501140	9.355	05-Apr-91	12:01:39	0.03167	1.687	
33333.501146	0.501146	9.563	05-Apr-91	12:01:39	0.04000	1.479	
33333.501152	0.501152	9.725	05-Apr-91	12:01:40	0.04833	1.317	
33333.501157	0.501157	9.817	05-Apr-91	12:01:40	0.05667	1.225	
33333.501163	0.501163	9.864	05-Apr-91	12:01:41	0.06500	1.178	
33333.501169	0.501169	9.887	05-Apr-91	12:01:41	0.07333	1.155	
33333.501175	0.501175	9.933	05-Apr-91	12:01:42	0.08167	1.109	
33333.501181	0.501181	10.025	05-Apr-91	12:01:42	0.09000	1.017	
33333.501186	0.501186	10.095	05-Apr-91	12:01:43	0.09833	0.947	
33333.501192	0.501192	10.141	05-Apr-91	12:01:43	0.10667	0.901	
33333.501198	0.501198	10.187	05-Apr-91	12:01:44	0.11500	0.855	
33333.501204	0.501204	10.418	05-Apr-91	12:01:44	0.12333	0.624	
33333.501209	0.501209	10.557	05-Apr-91	12:01:45	0.13167	0.485	
33333.501215	0.501215	10.603	05-Apr-91	12:01:45	0.14000	0.439	
33333.501221	0.501221	10.603	05-Apr-91	12:01:46	0.14833	0.439	
33333.501227	0.501227	10.626	05-Apr-91	12:01:46	0.15667	0.416	
33333.501227	0.501227	10.649	05-Apr-91	12:01:46	0.15667	0.393	
33333.501238	0.501238	10.649	05-Apr-91	12:01:47	0.17333	0.393	
33333.501244	0.501244	10.672	05-Apr-91	12:01:48	0.18167	0.370	
33333.50125	0.501250	10.672	05-Apr-91	12:01:48	0.19000	0.370	

33333.501256	0.501256	10.695	05-Apr-91	12:01:49	0.19833	0.347
33333.501262	0.501262	10.695	05-Apr-91	12:01:49	0.20667	0.347
33333.501267	0.501267	10.718	05-Apr-91	12:01:50	0.21500	0.324
33333.501273	0.501273	10.718	05-Apr-91	12:01:50	0.22333	0.324
33333.501279	0.501279	10.718	05-Apr-91	12:01:51	0.23167	0.324
33333.501285	0.501285	10.718	05-Apr-91	12:01:51	0.24000	0.324
33333.501291	0.501291	10.741	05-Apr-91	12:01:52	0.24833	0.301
33333.501296	0.501296	10.741	05-Apr-91	12:01:52	0.25667	0.301
33333.501302	0.501302	10.741	05-Apr-91	12:01:53	0.26500	0.301
33333.501308	0.501308	10.741	05-Apr-91	12:01:53	0.27333	0.301
33333.501319	0.501319	10.741	05-Apr-91	12:01:54	0.29000	0.301
33333.501325	0.501325	10.765	05-Apr-91	12:01:55	0.29833	0.277
33333.501331	0.501331	10.765	05-Apr-91	12:01:55	0.30667	0.277
33333.501337	0.501337	10.765	05-Apr-91	12:01:56	0.31500	0.277
33333.501343	0.501343	10.765	05-Apr-91	12:01:56	0.32333	0.277
33333.501348	0.501348	10.788	05-Apr-91	12:01:57	0.33167	0.254
33333.501354	0.501354	10.788	05-Apr-91	12:01:57	0.34000	0.254
33333.50136	0.501360	10.788	05-Apr-91	12:01:58	0.34833	0.254
33333.501366	0.501366	10.788	05-Apr-91	12:01:58	0.35667	0.254
33333.501372	0.501372	10.788	05-Apr-91	12:01:59	0.36500	0.254
33333.501377	0.501377	10.788	05-Apr-91	12:01:59	0.37333	0.254
33333.501377	0.501377	10.788	05-Apr-91	12:01:59	0.37333	0.254
33333.501389	0.501389	10.811	05-Apr-91	12:02:00	0.39000	0.231
33333.501395	0.501395	10.811	05-Apr-91	12:02:01	0.39833	0.231
33333.5014	0.501400	10.811	05-Apr-91	12:02:01	0.40667	0.231
33333.501406	0.501406	10.811	05-Apr-91	12:02:02	0.41500	0.231
33333.501412	0.501412	10.811	05-Apr-91	12:02:02	0.42333	0.231
33333.501418	0.501418	10.811	05-Apr-91	12:02:03	0.43167	0.231
33333.501424	0.501424	10.811	05-Apr-91	12:02:03	0.44000	0.231
33333.501429	0.501429	10.834	05-Apr-91	12:02:04	0.44833	0.208
33333.501435	0.501435	10.834	05-Apr-91	12:02:04	0.45667	0.208
33333.501441	0.501441	10.834	05-Apr-91	12:02:05	0.46500	0.208
33333.501447	0.501447	10.834	05-Apr-91	12:02:05	0.47333	0.208
33333.501453	0.501453	10.834	05-Apr-91	12:02:06	0.48167	0.208
33333.501458	0.501458	10.834	05-Apr-91	12:02:06	0.49000	0.208
33333.501464	0.501464	10.834	05-Apr-91	12:02:07	0.49833	0.208
33333.50147	0.501470	10.834	05-Apr-91	12:02:07	0.50667	0.208
33333.501476	0.501476	10.834	05-Apr-91	12:02:08	0.51500	0.208
33333.501481	0.501481	10.834	05-Apr-91	12:02:08	0.52333	0.208
33333.501488	0.501488	10.834	05-Apr-91	12:02:09	0.53333	0.208
33333.501493	0.501493	10.857	05-Apr-91	12:02:09	0.54000	0.185
33333.501499	0.501499	10.857	05-Apr-91	12:02:10	0.54833	0.185
33333.501505	0.501505	10.857	05-Apr-91	12:02:10	0.55667	0.185
33333.50151	0.501510	10.857	05-Apr-91	12:02:11	0.56500	0.185
33333.501516	0.501516	10.857	05-Apr-91	12:02:11	0.57333	0.185
33333.501522	0.501522	10.857	05-Apr-91	12:02:12	0.58167	0.185
33333.501528	0.501528	10.857	05-Apr-91	12:02:12	0.59000	0.185

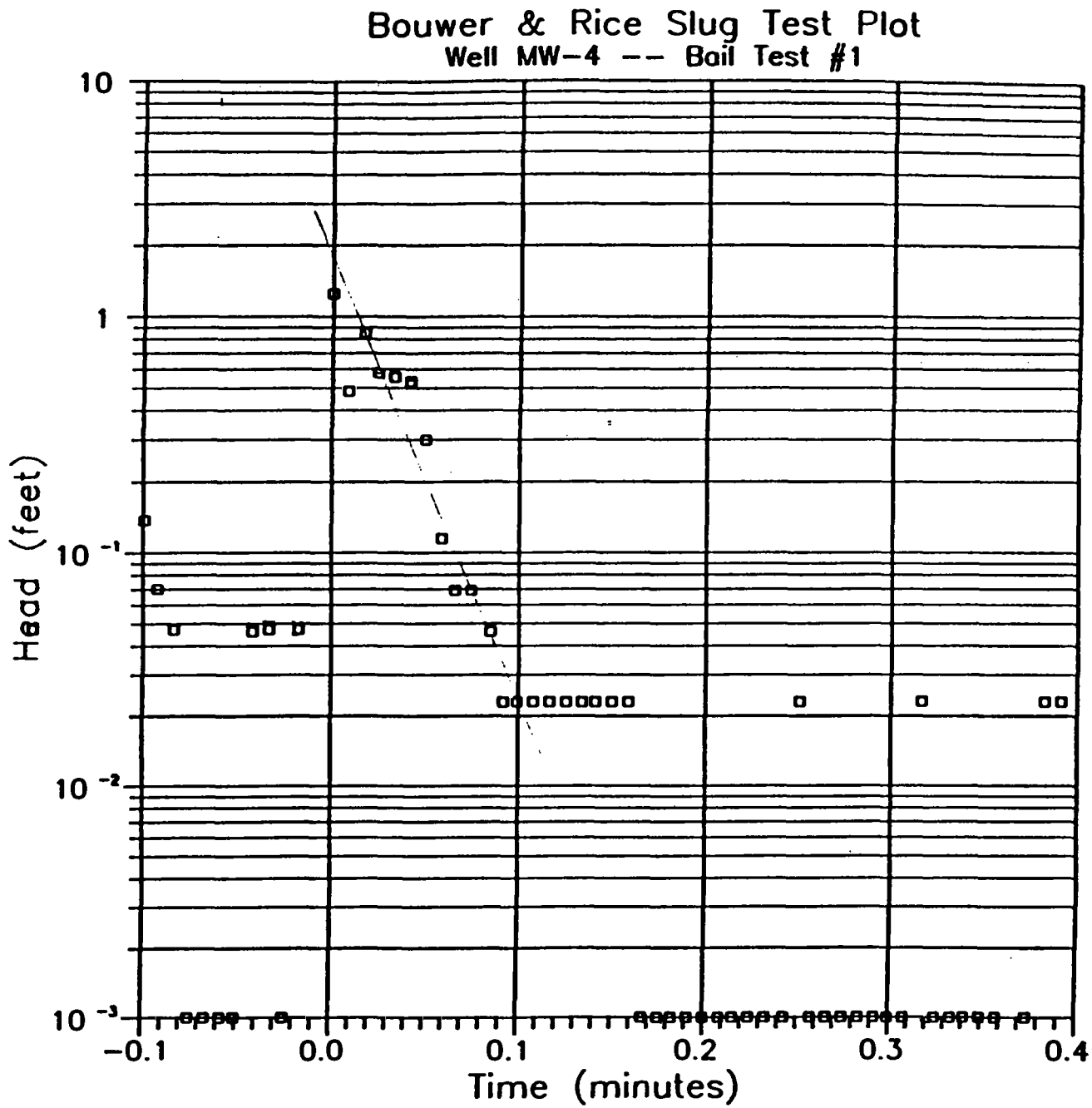
33333.501534	0.501534	10.857	05-Apr-91	12:02:13	0.59833	0.185
33333.501539	0.501539	10.857	05-Apr-91	12:02:13	0.60667	0.185
33333.501545	0.501545	10.857	05-Apr-91	12:02:14	0.61500	0.185
33333.501551	0.501551	10.857	05-Apr-91	12:02:14	0.62333	0.185
33333.501557	0.501557	10.857	05-Apr-91	12:02:15	0.63167	0.185
33333.501563	0.501563	10.857	05-Apr-91	12:02:15	0.64000	0.185
33333.501568	0.501568	10.857	05-Apr-91	12:02:16	0.64833	0.185
33333.501574	0.501574	10.857	05-Apr-91	12:02:16	0.65667	0.185
33333.501586	0.501586	10.857	05-Apr-91	12:02:17	0.67333	0.185
33333.501591	0.501591	10.857	05-Apr-91	12:02:18	0.68167	0.185
33333.501597	0.501597	10.88	05-Apr-91	12:02:18	0.69000	0.162
33333.501603	0.501603	10.88	05-Apr-91	12:02:19	0.69833	0.162
33333.501609	0.501609	10.88	05-Apr-91	12:02:19	0.70667	0.162
33333.501615	0.501615	10.88	05-Apr-91	12:02:20	0.71500	0.162
33333.50162	0.501620	10.88	05-Apr-91	12:02:20	0.72333	0.162
33333.501626	0.501626	10.88	05-Apr-91	12:02:21	0.73167	0.162
33333.501632	0.501632	10.88	05-Apr-91	12:02:21	0.74000	0.162
33333.501644	0.501644	10.857	05-Apr-91	12:02:22	0.75667	0.185
33333.501649	0.501649	10.88	05-Apr-91	12:02:23	0.76500	0.162
33333.501655	0.501655	10.88	05-Apr-91	12:02:23	0.77333	0.162
33333.501661	0.501661	10.88	05-Apr-91	12:02:24	0.78167	0.162
33333.501667	0.501667	10.88	05-Apr-91	12:02:24	0.79000	0.162
33333.501672	0.501672	10.88	05-Apr-91	12:02:25	0.79833	0.162
33333.501678	0.501678	10.88	05-Apr-91	12:02:25	0.80667	0.162
33333.501684	0.501684	10.88	05-Apr-91	12:02:26	0.81500	0.162
33333.50169	0.501690	10.88	05-Apr-91	12:02:26	0.82333	0.162
33333.501696	0.501696	10.88	05-Apr-91	12:02:27	0.83167	0.162
33333.501701	0.501701	10.88	05-Apr-91	12:02:27	0.84000	0.162
33333.501701	0.501701	10.903	05-Apr-91	12:02:27	0.84000	0.139
33333.501713	0.501713	10.903	05-Apr-91	12:02:28	0.85667	0.139
33333.501719	0.501719	10.88	05-Apr-91	12:02:29	0.86500	0.162
33333.501725	0.501725	10.903	05-Apr-91	12:02:29	0.87333	0.139
33333.501725	0.501725	10.903	05-Apr-91	12:02:29	0.87333	0.139
33333.501736	0.501736	10.903	05-Apr-91	12:02:30	0.89000	0.139
33333.501742	0.501742	10.903	05-Apr-91	12:02:31	0.89833	0.139
33333.501748	0.501748	10.903	05-Apr-91	12:02:31	0.90667	0.139
33333.501753	0.501753	10.903	05-Apr-91	12:02:32	0.91500	0.139
33333.501759	0.501759	10.903	05-Apr-91	12:02:32	0.92333	0.139
33333.501765	0.501765	10.903	05-Apr-91	12:02:33	0.93167	0.139
33333.501771	0.501771	10.903	05-Apr-91	12:02:33	0.94000	0.139
33333.501777	0.501777	10.903	05-Apr-91	12:02:34	0.94833	0.139
33333.501782	0.501782	10.903	05-Apr-91	12:02:34	0.95667	0.139
33333.501788	0.501788	10.903	05-Apr-91	12:02:35	0.96500	0.139
33333.501794	0.501794	10.903	05-Apr-91	12:02:35	0.97333	0.139
33333.5018	0.501800	10.903	05-Apr-91	12:02:36	0.98167	0.139
33333.501806	0.501806	10.903	05-Apr-91	12:02:36	0.99000	0.139
33333.501817	0.501817	10.903	05-Apr-91	12:02:37	1.00667	0.139

33333.501823	0.501823	10.903	05-Apr-91	12:02:38	1.01500	0.139
33333.501829	0.501829	10.903	05-Apr-91	12:02:38	1.02333	0.139
33333.501834	0.501834	10.903	05-Apr-91	12:02:39	1.03167	0.139
33333.50184	0.501840	10.903	05-Apr-91	12:02:39	1.04000	0.139
33333.501846	0.501846	10.903	05-Apr-91	12:02:40	1.04833	0.139
33333.501852	0.501852	10.903	05-Apr-91	12:02:40	1.05667	0.139
33333.501858	0.501858	10.903	05-Apr-91	12:02:41	1.06500	0.139
33333.501863	0.501863	10.903	05-Apr-91	12:02:41	1.07333	0.139
33333.501869	0.501869	10.903	05-Apr-91	12:02:42	1.08167	0.139
33333.501875	0.501875	10.903	05-Apr-91	12:02:42	1.09000	0.139
33333.501887	0.501887	10.903	05-Apr-91	12:02:43	1.10667	0.139
33333.501892	0.501892	10.926	05-Apr-91	12:02:44	1.11500	0.116
33333.501898	0.501898	10.926	05-Apr-91	12:02:44	1.12333	0.116
33333.501904	0.501904	10.903	05-Apr-91	12:02:45	1.13167	0.139
33333.50191	0.501910	10.926	05-Apr-91	12:02:45	1.14000	0.116
33333.501916	0.501916	10.926	05-Apr-91	12:02:46	1.14833	0.116
33333.501921	0.501921	10.926	05-Apr-91	12:02:46	1.15667	0.116
33333.501927	0.501927	10.926	05-Apr-91	12:02:47	1.16500	0.116
33333.501933	0.501933	10.926	05-Apr-91	12:02:47	1.17333	0.116
33333.50194	0.501940	10.903	05-Apr-91	12:02:48	1.18333	0.139
33333.501944	0.501944	10.926	05-Apr-91	12:02:48	1.19000	0.116
33333.50195	0.501950	10.926	05-Apr-91	12:02:49	1.19833	0.116
33333.501956	0.501956	10.926	05-Apr-91	12:02:49	1.20667	0.116
33333.501962	0.501962	10.903	05-Apr-91	12:02:50	1.21500	0.139
33333.501968	0.501968	10.926	05-Apr-91	12:02:50	1.22333	0.116
33333.501973	0.501973	10.926	05-Apr-91	12:02:51	1.23167	0.116
33333.501979	0.501979	10.926	05-Apr-91	12:02:51	1.24000	0.116
33333.501985	0.501985	10.926	05-Apr-91	12:02:52	1.24833	0.116
33333.501991	0.501991	10.926	05-Apr-91	12:02:52	1.25667	0.116
33333.501997	0.501997	10.926	05-Apr-91	12:02:53	1.26500	0.116
33333.502002	0.502002	10.926	05-Apr-91	12:02:53	1.27333	0.116
33333.502008	0.502008	10.926	05-Apr-91	12:02:54	1.28167	0.116
33333.502014	0.502014	10.926	05-Apr-91	12:02:54	1.29000	0.116
33333.50202	0.502020	10.926	05-Apr-91	12:02:55	1.29833	0.116
33333.502025	0.502025	10.926	05-Apr-91	12:02:55	1.30667	0.116
33333.502031	0.502031	10.926	05-Apr-91	12:02:56	1.31500	0.116
33333.502037	0.502037	10.926	05-Apr-91	12:02:56	1.32333	0.116
33333.502043	0.502043	10.926	05-Apr-91	12:02:57	1.33167	0.116
33333.502049	0.502049	10.926	05-Apr-91	12:02:57	1.34000	0.116
33333.502049	0.502049	10.926	05-Apr-91	12:02:57	1.34000	0.116
33333.50206	0.502060	10.926	05-Apr-91	12:02:58	1.35667	0.116
33333.502066	0.502066	10.926	05-Apr-91	12:02:59	1.36500	0.116
33333.502072	0.502072	10.926	05-Apr-91	12:02:59	1.37333	0.116
33333.502078	0.502078	10.926	05-Apr-91	12:03:00	1.38167	0.116
33333.502083	0.502083	10.926	05-Apr-91	12:03:00	1.39000	0.116
33333.502089	0.502089	10.926	05-Apr-91	12:03:01	1.39833	0.116
33333.502095	0.502095	10.926	05-Apr-91	12:03:01	1.40667	0.116

33333.502101	0.502101	10.926	05-Apr-91	12:03:02	1.41500	0.116
33333.502106	0.502106	10.949	05-Apr-91	12:03:02	1.42333	0.093
33333.502112	0.502112	10.926	05-Apr-91	12:03:03	1.43167	0.116
33333.502118	0.502118	10.926	05-Apr-91	12:03:03	1.44000	0.116
33333.502124	0.502124	10.949	05-Apr-91	12:03:04	1.44833	0.093
33333.50213	0.502130	10.926	05-Apr-91	12:03:04	1.45667	0.116
33333.502141	0.502141	10.926	05-Apr-91	12:03:05	1.47333	0.116
33333.502147	0.502147	10.949	05-Apr-91	12:03:06	1.48167	0.093
33333.502153	0.502153	10.949	05-Apr-91	12:03:06	1.49000	0.093
33333.502159	0.502159	10.926	05-Apr-91	12:03:07	1.49833	0.116
33333.502164	0.502164	10.949	05-Apr-91	12:03:07	1.50667	0.093
33333.50217	0.502170	10.949	05-Apr-91	12:03:08	1.51500	0.093
33333.502176	0.502176	10.949	05-Apr-91	12:03:08	1.52333	0.093
33333.502182	0.502182	10.926	05-Apr-91	12:03:09	1.53167	0.116
33333.502188	0.502188	10.949	05-Apr-91	12:03:09	1.54000	0.093
33333.502193	0.502193	10.949	05-Apr-91	12:03:10	1.54833	0.093
33333.502199	0.502199	10.949	05-Apr-91	12:03:10	1.55667	0.093
33333.502199	0.502199	10.949	05-Apr-91	12:03:10	1.55667	0.093
33333.502211	0.502211	10.949	05-Apr-91	12:03:11	1.57333	0.093
33333.502216	0.502216	10.949	05-Apr-91	12:03:12	1.58167	0.093
33333.502222	0.502222	10.949	05-Apr-91	12:03:12	1.59000	0.093
33333.502228	0.502228	10.949	05-Apr-91	12:03:13	1.59833	0.093
33333.502234	0.502234	10.949	05-Apr-91	12:03:13	1.60667	0.093
33333.50224	0.502240	10.949	05-Apr-91	12:03:14	1.61500	0.093
33333.502245	0.502245	10.949	05-Apr-91	12:03:14	1.62333	0.093
33333.502251	0.502251	10.949	05-Apr-91	12:03:15	1.63167	0.093
33333.502257	0.502257	10.949	05-Apr-91	12:03:15	1.64000	0.093
33333.502263	0.502263	10.949	05-Apr-91	12:03:16	1.64833	0.093
33333.502269	0.502269	10.949	05-Apr-91	12:03:16	1.65667	0.093
33333.502274	0.502274	10.949	05-Apr-91	12:03:17	1.66500	0.093
33333.50228	0.502280	10.949	05-Apr-91	12:03:17	1.67333	0.093
33333.502286	0.502286	10.949	05-Apr-91	12:03:18	1.68167	0.093
33333.502292	0.502292	10.949	05-Apr-91	12:03:18	1.69000	0.093
33333.502297	0.502297	10.949	05-Apr-91	12:03:19	1.69833	0.093
33333.502303	0.502303	10.949	05-Apr-91	12:03:19	1.70667	0.093
33333.50231	0.502310	10.949	05-Apr-91	12:03:20	1.71667	0.093
33333.502315	0.502315	10.949	05-Apr-91	12:03:20	1.72333	0.093
33333.502321	0.502321	10.949	05-Apr-91	12:03:21	1.73167	0.093
33333.502326	0.502326	10.949	05-Apr-91	12:03:21	1.74000	0.093
33333.502332	0.502332	10.949	05-Apr-91	12:03:22	1.74833	0.093
33333.502338	0.502338	10.949	05-Apr-91	12:03:22	1.75667	0.093
33333.502344	0.502344	10.949	05-Apr-91	12:03:23	1.76500	0.093
33333.50235	0.502350	10.949	05-Apr-91	12:03:23	1.77333	0.093
33333.502355	0.502355	10.949	05-Apr-91	12:03:24	1.78167	0.093
33333.502361	0.502361	10.949	05-Apr-91	12:03:24	1.79000	0.093
33333.502367	0.502367	10.949	05-Apr-91	12:03:25	1.79833	0.093
33333.502373	0.502373	10.949	05-Apr-91	12:03:25	1.80667	0.093

33333.502378	0.502378	10.949	05-Apr-91	12:03:26	1.81500	0.093
33333.502384	0.502384	10.949	05-Apr-91	12:03:26	1.82333	0.093
33333.50239	0.502390	10.949	05-Apr-91	12:03:27	1.83167	0.093
33333.502396	0.502396	10.926	05-Apr-91	12:03:27	1.84000	0.116
33333.502407	0.502407	10.949	05-Apr-91	12:03:28	1.85667	0.093
33333.502413	0.502413	10.949	05-Apr-91	12:03:29	1.86500	0.093
33333.502419	0.502419	10.949	05-Apr-91	12:03:29	1.87333	0.093
33333.502425	0.502425	10.949	05-Apr-91	12:03:30	1.88167	0.093
33333.502431	0.502431	10.949	05-Apr-91	12:03:30	1.89000	0.093
33333.502436	0.502436	10.949	05-Apr-91	12:03:31	1.89833	0.093
33333.502442	0.502442	10.949	05-Apr-91	12:03:31	1.90667	0.093
33333.502448	0.502448	10.949	05-Apr-91	12:03:32	1.91500	0.093
33333.502454	0.502454	10.949	05-Apr-91	12:03:32	1.92333	0.093
33333.502461	0.502461	10.949	05-Apr-91	12:03:33	1.93333	0.093
33333.502465	0.502465	10.972	05-Apr-91	12:03:33	1.94000	0.070
33333.502471	0.502471	10.949	05-Apr-91	12:03:34	1.94833	0.093
33333.502477	0.502477	10.949	05-Apr-91	12:03:[illegible]1	1.95667	0.093
33333.502483	0.502483	10.949	05-Apr-91	12:03:[illegible]5	1.96500	0.093
33333.502488	0.502488	10.972	05-Apr-91	12:03:35	1.97333	0.070
33333.502494	0.502494	10.949	05-Apr-91	12:03:36	1.98167	0.093
33333.5025	0.502500	10.972	05-Apr-91	12:03:36	1.99000	0.070
33333.502506	0.502506	10.972	05-Apr-91	12:03:37	1.99833	0.070
33333.502512	0.502512	10.972	05-Apr-91	12:03:37	2.00667	0.070
33333.502517	0.502517	10.972	05-Apr-91	12:03:38	2.01500	0.070
33333.502523	0.502523	10.972	05-Apr-91	12:03:38	2.02333	0.070
33333.502529	0.502529	10.949	05-Apr-91	12:03:39	2.03167	0.093
33333.502535	0.502535	10.972	05-Apr-91	12:03:39	2.04000	0.070
33333.502541	0.502541	10.972	05-Apr-91	12:03:40	2.04833	0.070
33333.502546	0.502546	10.972	05-Apr-91	12:03:40	2.05667	0.070
33333.502552	0.502552	10.972	05-Apr-91	12:03:41	2.06500	0.070
33333.502558	0.502558	10.949	05-Apr-91	12:03:41	2.07333	0.093
33333.502564	0.502564	10.972	05-Apr-91	12:03:42	2.08167	0.070
33333.502569	0.502569	10.949	05-Apr-91	12:03:42	2.09000	0.093
33333.502569	0.502569	10.972	05-Apr-91	12:03:42	2.09000	0.070
33333.502581	0.502581	10.972	05-Apr-91	12:03:43	2.10667	0.070
33333.502587	0.502587	10.972	05-Apr-91	12:03:44	2.11500	0.070
33333.502593	0.502593	10.972	05-Apr-91	12:03:44	2.12333	0.070
33333.502598	0.502598	10.972	05-Apr-91	12:03:45	2.13167	0.070
33333.502604	0.502604	10.972	05-Apr-91	12:03:45	2.14000	0.070
33333.50261	0.502610	10.972	05-Apr-91	12:03:46	2.14833	0.070
33333.502616	0.502616	10.972	05-Apr-91	12:03:46	2.15667	0.070
33333.502622	0.502622	10.972	05-Apr-91	12:03:47	2.16500	0.070
33333.502627	0.502627	10.972	05-Apr-91	12:03:47	2.17333	0.070
33333.502633	0.502633	10.972	05-Apr-91	12:03:48	2.18167	0.070
33333.502639	0.502639	10.972	05-Apr-91	12:03:48	2.19000	0.070
33333.502645	0.502645	10.972	05-Apr-91	12:03:49	2.19833	0.070
33333.50265	0.502650	10.972	05-Apr-91	12:03:49	2.20667	0.070

33333.502662	0.502662	10.949	05-Apr-91	12:03:50	2.22333	0.093
33333.502668	0.502668	10.972	05-Apr-91	12:03:51	2.23167	0.070
33333.502674	0.502674	10.972	05-Apr-91	12:03:51	2.24000	0.070
33333.502679	0.502679	10.972	05-Apr-91	12:03:52	2.24833	0.070
33333.502685	0.502685	10.972	05-Apr-91	12:03:52	2.25667	0.070
33333.502691	0.502691	10.972	05-Apr-91	12:03:53	2.26500	0.070
33333.502697	0.502697	10.972	05-Apr-91	12:03:53	2.27333	0.070
33333.502703	0.502703	10.972	05-Apr-91	12:03:54	2.28167	0.070
33333.502708	0.502708	10.972	05-Apr-91	12:03:54	2.29000	0.070
33333.502714	0.502714	10.972	05-Apr-91	12:03:55	2.29833	0.070
33333.50272	0.502720	10.972	05-Apr-91	12:03:55	2.30667	0.070
33333.50272	0.502720	10.972	05-Apr-91	12:03:55	2.30667	0.070
33333.502731	0.502731	10.972	05-Apr-91	12:03:56	2.32333	0.070
33333.502737	0.502737	10.972	05-Apr-91	12:03:57	2.33167	0.070
33333.502743	0.502743	10.972	05-Apr-91	12:03:57	2.34000	0.070
33333.502749	0.502749	10.972	05-Apr-91	12:03:58	2.34833	0.070
33333.502755	0.502755	10.972	05-Apr-91	12:03:58	2.35667	0.070
33333.50276	0.502760	10.972	05-Apr-91	12:03:59	2.36500	0.070
33333.502766	0.502766	10.972	05-Apr-91	12:03:59	2.37333	0.070
33333.502772	0.502772	10.972	05-Apr-91	12:04:00	2.38167	0.070
33333.502778	0.502778	10.972	05-Apr-91	12:04:00	2.39000	0.070
33333.502784	0.502784	10.972	05-Apr-91	12:04:01	2.39833	0.070
33333.502789	0.502789	10.972	05-Apr-91	12:04:01	2.40667	0.070
33333.502795	0.502795	10.972	05-Apr-91	12:04:02	2.41500	0.070
33333.502801	0.502801	10.972	05-Apr-91	12:04:02	2.42333	0.070
33333.502807	0.502807	10.972	05-Apr-91	12:04:03	2.43167	0.070


Bouwer & Rice Slug Test Plot
Well MW-4 -- Bail Test #1
10
1
10 -1
10 -2
10 -3
Head (feet)
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-4s

Initial DTW (bgs) @ time < 0:	23.8	(feet)
Depth to top of sandpack:	14.7	(feet)
Depth to top of screen:	16.5	(feet)
H = Initial head @ time < 0:	12.43	(feet)
H(0)= Maximum head (@ t ~ 0):	1.11	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	14.2	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	12.7	(feet)
Length watertable to bottom of sandpack:	14.2	(feet)
b = Aquifer saturated thickness: (est.)	16.2	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	05-Apr-91
Test Start Time >>>>>>	11:07:31
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	12.428

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33333.463432	0.463432	12.589	05-Apr-91	11:07:21	-0.17500	0.161	
33333.463438	0.463438	12.613	05-Apr-91	11:07:21	-0.16667	0.185	
33333.463443	0.463443	12.589	05-Apr-91	11:07:22	-0.15833	0.161	
33333.463449	0.463449	12.589	05-Apr-91	11:07:22	-0.15000	0.161	
33333.463455	0.463455	12.589	05-Apr-91	11:07:23	-0.14167	0.161	
33333.463461	0.463461	12.589	05-Apr-91	11:07:23	-0.13333	0.161	
33333.463468	0.463468	12.589	05-Apr-91	11:07:24	-0.12333	0.161	
33333.463472	0.463472	12.613	05-Apr-91	11:07:24	-0.11667	0.185	
33333.463478	0.463478	12.589	05-Apr-91	11:07:25	-0.10833	0.161	
33333.463484	0.463484	12.589	05-Apr-91	11:07:25	-0.10000	0.161	
33333.46349	0.463490	12.428	05-Apr-91	11:07:26	-0.09167	0.000	
33333.463495	0.463495	12.636	05-Apr-91	11:07:26	-0.08333	0.208	
33333.463501	0.463501	12.613	05-Apr-91	11:07:27	-0.07500	0.185	
33333.463507	0.463507	12.566	05-Apr-91	11:07:27	-0.06667	0.138	
33333.463513	0.463513	12.566	05-Apr-91	11:07:28	-0.05833	0.138	
33333.463519	0.463519	12.566	05-Apr-91	11:07:28	-0.05000	0.138	
33333.463524	0.463524	12.566	05-Apr-91	11:07:29	-0.04167	0.138	
33333.46353	0.463530	12.52	05-Apr-91	11:07:29	-0.03333	0.092	
33333.463536	0.463536	12.613	05-Apr-91	11:07:30	-0.02500	0.185	

33333.463542	0.463542	12.566	05-Apr-91	11:07:30	-0.01667	0.138	
33333.463547	0.463547	12.613	05-Apr-91	11:07:31	-0.00833	0.185	
33333.463553	0.463553	11.319	05-Apr-91	11:07:31	0.00000	1.109	Start Bail Test
33333.463565	0.463565	12.081	05-Apr-91	11:07:32	0.01667	0.347	
33333.463571	0.463571	11.712	05-Apr-91	11:07:33	0.02500	0.716	
33333.463576	0.463576	11.989	05-Apr-91	11:07:33	0.03333	0.439	
33333.463582	0.463582	12.012	05-Apr-91	11:07:34	0.04167	0.416	
33333.463588	0.463588	12.035	05-Apr-91	11:07:34	0.05000	0.393	
33333.463594	0.463594	12.266	05-Apr-91	11:07:35	0.05833	0.162	
33333.4636	0.463600	12.451	05-Apr-91	11:07:35	0.06667	0.023	
33333.463605	0.463605	12.497	05-Apr-91	11:07:36	0.07500	0.069	
33333.463611	0.463611	12.497	05-Apr-91	11:07:36	0.08333	0.069	
33333.463618	0.463618	12.52	05-Apr-91	11:07:37	0.09333	0.092	
33333.463623	0.463623	12.543	05-Apr-91	11:07:37	0.10000	0.115	
33333.463628	0.463628	12.543	05-Apr-91	11:07:38	0.10833	0.115	
33333.463634	0.463634	12.543	05-Apr-91	11:07:38	0.11667	0.115	
33333.46364	0.463640	12.543	05-Apr-91	11:07:39	0.12500	0.115	
33333.463646	0.463646	12.543	05-Apr-91	11:07:39	0.13333	0.115	
33333.463652	0.463652	12.543	05-Apr-91	11:07:40	0.14167	0.115	
33333.463657	0.463657	12.543	05-Apr-91	11:07:40	0.15000	0.115	
33333.463663	0.463663	12.543	05-Apr-91	11:07:41	0.15833	0.115	
33333.463669	0.463669	12.543	05-Apr-91	11:07:41	0.16667	0.115	
33333.463675	0.463675	12.566	05-Apr-91	11:07:42	0.17500	0.138	
33333.463681	0.463681	12.566	05-Apr-91	11:07:42	0.18333	0.138	
33333.463686	0.463686	12.566	05-Apr-91	11:07:43	0.19167	0.138	
33333.463692	0.463692	12.566	05-Apr-91	11:07:43	0.20000	0.138	
33333.463698	0.463698	12.566	05-Apr-91	11:07:44	0.20833	0.138	
33333.463704	0.463704	12.566	05-Apr-91	11:07:44	0.21667	0.138	
33333.463709	0.463709	12.566	05-Apr-91	11:07:45	0.22500	0.138	
33333.463715	0.463715	12.566	05-Apr-91	11:07:45	0.23333	0.138	
33333.463721	0.463721	12.566	05-Apr-91	11:07:46	0.24167	0.138	
33333.463727	0.463727	12.566	05-Apr-91	11:07:46	0.25000	0.138	
33333.463727	0.463727	12.589	05-Apr-91	11:07:46	0.25000	0.161	
33333.463738	0.463738	12.566	05-Apr-91	11:07:47	0.26667	0.138	
33333.463744	0.463744	12.566	05-Apr-91	11:07:48	0.27500	0.138	
33333.46375	0.463750	12.566	05-Apr-91	11:07:48	0.28333	0.138	
33333.463756	0.463756	12.566	05-Apr-91	11:07:49	0.29167	0.138	
33333.463762	0.463762	12.566	05-Apr-91	11:07:49	0.30000	0.138	
33333.463767	0.463767	12.566	05-Apr-91	11:07:50	0.30833	0.138	
33333.463773	0.463773	12.566	05-Apr-91	11:07:50	0.31667	0.138	
33333.463779	0.463779	12.589	05-Apr-91	11:07:51	0.32500	0.161	
33333.463785	0.463785	12.566	05-Apr-91	11:07:51	0.33333	0.138	
33333.463791	0.463791	12.566	05-Apr-91	11:07:52	0.34167	0.138	
33333.463796	0.463796	12.566	05-Apr-91	11:07:52	0.35000	0.138	
33333.463802	0.463802	12.566	05-Apr-91	11:07:53	0.35833	0.138	
33333.463808	0.463808	12.566	05-Apr-91	11:07:53	0.36667	0.138	
33333.463819	0.463819	12.566	05-Apr-91	11:07:54	0.38333	0.138	

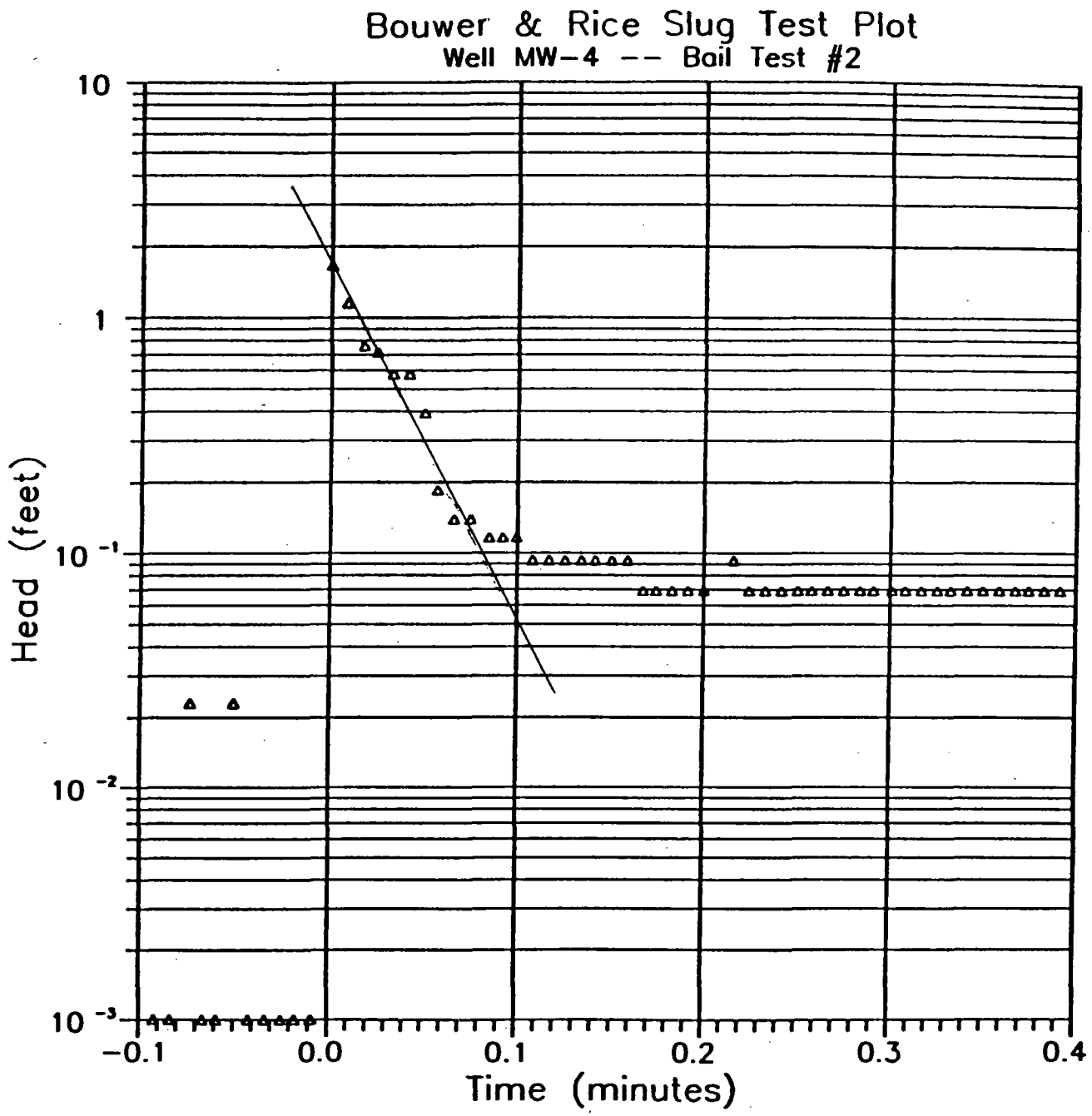
33333.463825	0.463825	12.589	05-Apr-91	11:07:55	0.39167	0.161
33333.463831	0.463831	12.589	05-Apr-91	11:07:55	0.40000	0.161
33333.463837	0.463837	12.566	05-Apr-91	11:07:56	0.40833	0.138
33333.463843	0.463843	12.589	05-Apr-91	11:07:56	0.41667	0.161
33333.463848	0.463848	12.566	05-Apr-91	11:07:57	0.42500	0.138
33333.463854	0.463854	12.566	05-Apr-91	11:07:57	0.43333	0.138
33333.46386	0.463860	12.566	05-Apr-91	11:07:58	0.44167	0.138
33333.463866	0.463866	12.589	05-Apr-91	11:07:58	0.45000	0.161
33333.463872	0.463872	12.566	05-Apr-91	11:07:59	0.45833	0.138
33333.463877	0.463877	12.566	05-Apr-91	11:07:59	0.46667	0.138
33333.463877	0.463877	12.589	05-Apr-91	11:07:59	0.46667	0.161
33333.463889	0.463889	12.566	05-Apr-91	11:08:00	0.48333	0.138
33333.463895	0.463895	12.566	05-Apr-91	11:08:01	0.49167	0.138
33333.4639	0.463900	12.566	05-Apr-91	11:08:01	0.50000	0.138
33333.463906	0.463906	12.589	05-Apr-91	11:08:02	0.50833	0.161
33333.463912	0.463912	12.589	05-Apr-91	11:08:02	0.51667	0.161
33333.463918	0.463918	12.589	05-Apr-91	11:08:03	0.52500	0.161
33333.463924	0.463924	12.589	05-Apr-91	11:08:03	0.53333	0.161
33333.463929	0.463929	12.566	05-Apr-91	11:08:04	0.54167	0.138
33333.463935	0.463935	12.589	05-Apr-91	11:08:04	0.55000	0.161
33333.463941	0.463941	12.566	05-Apr-91	11:08:05	0.55833	0.138
33333.463947	0.463947	12.566	05-Apr-91	11:08:05	0.56667	0.138
33333.463953	0.463953	12.566	05-Apr-91	11:08:06	0.57500	0.138
33333.463958	0.463958	12.589	05-Apr-91	11:08:06	0.58333	0.161
33333.463964	0.463964	12.566	05-Apr-91	11:08:07	0.59167	0.138
33333.46397	0.463970	12.566	05-Apr-91	11:08:07	0.60000	0.138
33333.463976	0.463976	12.589	05-Apr-91	11:08:08	0.60833	0.161
33333.463981	0.463981	12.566	05-Apr-91	11:08:08	0.61667	0.138
33333.463988	0.463988	12.566	05-Apr-91	11:08:09	0.62667	0.138
33333.463993	0.463993	12.566	05-Apr-91	11:08:09	0.63333	0.138
33333.463999	0.463999	12.589	05-Apr-91	11:08:10	0.64167	0.161
33333.464005	0.464005	12.589	05-Apr-91	11:08:10	0.65000	0.161
33333.46401	0.464010	12.566	05-Apr-91	11:08:11	0.65833	0.138
33333.464016	0.464016	12.589	05-Apr-91	11:08:11	0.66667	0.161
33333.464022	0.464022	12.589	05-Apr-91	11:08:12	0.67500	0.161
33333.464028	0.464028	12.566	05-Apr-91	11:08:12	0.68333	0.138
33333.464034	0.464034	12.589	05-Apr-91	11:08:13	0.69167	0.161
33333.464039	0.464039	12.589	05-Apr-91	11:08:13	0.70000	0.161
33333.464045	0.464045	12.566	05-Apr-91	11:08:14	0.70833	0.138
33333.464051	0.464051	12.566	05-Apr-91	11:08:14	0.71667	0.138
33333.464057	0.464057	12.589	05-Apr-91	11:08:15	0.72500	0.161
33333.464063	0.464063	12.566	05-Apr-91	11:08:15	0.73333	0.138
33333.464068	0.464068	12.589	05-Apr-91	11:08:16	0.74167	0.161
33333.464074	0.464074	12.566	05-Apr-91	11:08:16	0.75000	0.138
33333.464086	0.464086	12.589	05-Apr-91	11:08:17	0.76667	0.161
33333.464091	0.464091	12.566	05-Apr-91	11:08:18	0.77500	0.138
33333.464097	0.464097	12.589	05-Apr-91	11:08:18	0.78333	0.161

33333.464103	0.464103	12.566	05-Apr-91	11:08:19	0.79167	0.138
33333.464109	0.464109	12.589	05-Apr-91	11:08:19	0.80000	0.161
33333.464115	0.464115	12.589	05-Apr-91	11:08:20	0.80833	0.161
33333.46412	0.464120	12.589	05-Apr-91	11:08:20	0.81667	0.161
33333.464126	0.464126	12.589	05-Apr-91	11:08:21	0.82500	0.161
33333.464132	0.464132	12.589	05-Apr-91	11:08:21	0.83333	0.161
33333.464139	0.464139	12.566	05-Apr-91	11:08:22	0.84333	0.138
33333.464144	0.464144	12.589	05-Apr-91	11:08:22	0.85000	0.161
33333.464149	0.464149	12.589	05-Apr-91	11:08:23	0.85833	0.161
33333.464155	0.464155	12.589	05-Apr-91	11:08:23	0.86667	0.161
33333.464161	0.464161	12.589	05-Apr-91	11:08:24	0.87500	0.161
33333.464167	0.464167	12.589	05-Apr-91	11:08:24	0.88333	0.161
33333.464172	0.464172	12.566	05-Apr-91	11:08:25	0.89167	0.138
33333.464178	0.464178	12.589	05-Apr-91	11:08:25	0.90000	0.161
33333.464184	0.464184	12.589	05-Apr-91	11:08:26	0.90833	0.161
33333.46419	0.464190	12.589	05-Apr-91	11:08:26	0.91667	0.161
33333.464196	0.464196	12.589	05-Apr-91	11:08:27	0.92500	0.161
33333.464201	0.464201	12.589	05-Apr-91	11:08:27	0.93333	0.161
33333.464207	0.464207	12.566	05-Apr-91	11:08:28	0.94167	0.138
33333.464213	0.464213	12.589	05-Apr-91	11:08:28	0.95000	0.161
33333.464219	0.464219	12.589	05-Apr-91	11:08:29	0.95833	0.161
33333.464225	0.464225	12.566	05-Apr-91	11:08:29	0.96667	0.138
33333.46423	0.464230	12.566	05-Apr-91	11:08:30	0.97500	0.138
33333.464236	0.464236	12.566	05-Apr-91	11:08:30	0.98333	0.138
33333.464242	0.464242	12.589	05-Apr-91	11:08:31	0.99167	0.161
33333.464248	0.464248	12.566	05-Apr-91	11:08:31	1.00000	0.138
33333.464248	0.464248	12.589	05-Apr-91	11:08:31	1.00000	0.161
33333.464259	0.464259	12.589	05-Apr-91	11:08:32	1.01667	0.161
33333.464265	0.464265	12.566	05-Apr-91	11:08:33	1.02500	0.138
33333.464271	0.464271	12.566	05-Apr-91	11:08:33	1.03333	0.138
33333.464277	0.464277	12.589	05-Apr-91	11:08:34	1.04167	0.161
33333.464282	0.464282	12.566	05-Apr-91	11:08:34	1.05000	0.138
33333.464288	0.464288	12.589	05-Apr-91	11:08:35	1.05833	0.161
33333.464294	0.464294	12.589	05-Apr-91	11:08:35	1.06667	0.161
33333.4643	0.464300	12.589	05-Apr-91	11:08:36	1.07500	0.161
33333.464306	0.464306	12.566	05-Apr-91	11:08:36	1.08333	0.138
33333.464311	0.464311	12.589	05-Apr-91	11:08:37	1.09167	0.161
33333.464317	0.464317	12.566	05-Apr-91	11:08:37	1.10000	0.138
33333.464323	0.464323	12.589	05-Apr-91	11:08:38	1.10833	0.161
33333.464329	0.464329	12.589	05-Apr-91	11:08:38	1.11667	0.161
33333.46434	0.464340	12.566	05-Apr-91	11:08:39	1.13333	0.138
33333.464346	0.464346	12.589	05-Apr-91	11:08:40	1.14167	0.161
33333.464352	0.464352	12.589	05-Apr-91	11:08:40	1.15000	0.161
33333.464358	0.464358	12.589	05-Apr-91	11:08:41	1.15833	0.161
33333.464363	0.464363	12.589	05-Apr-91	11:08:41	1.16667	0.161
33333.464369	0.464369	12.589	05-Apr-91	11:08:42	1.17500	0.161
33333.464375	0.464375	12.589	05-Apr-91	11:08:42	1.18333	0.161

33333.464381	0.464381	12.589	05-Apr-91	11:08:43	1.19167	0.161
33333.464387	0.464387	12.589	05-Apr-91	11:08:43	1.20000	0.161
33333.464392	0.464392	12.589	05-Apr-91	11:08:44	1.20833	0.161
33333.464398	0.464398	12.589	05-Apr-91	11:08:44	1.21667	0.161
33333.464398	0.464398	12.566	05-Apr-91	11:08:44	1.21667	0.138
33333.46441	0.464410	12.589	05-Apr-91	11:08:45	1.23333	0.161
33333.464416	0.464416	12.589	05-Apr-91	11:08:46	1.24167	0.161
33333.464421	0.464421	12.589	05-Apr-91	11:08:46	1.25000	0.161
33333.464427	0.464427	12.589	05-Apr-91	11:08:47	1.25833	0.161
33333.464433	0.464433	12.589	05-Apr-91	11:08:47	1.26667	0.161
33333.464439	0.464439	12.589	05-Apr-91	11:08:48	1.27500	0.161
33333.464444	0.464444	12.589	05-Apr-91	11:08:48	1.28333	0.161
33333.46445	0.464450	12.589	05-Apr-91	11:08:49	1.29167	0.161
33333.464456	0.464456	12.589	05-Apr-91	11:08:49	1.30000	0.161
33333.464462	0.464462	12.589	05-Apr-91	11:08:50	1.30833	0.161
33333.464468	0.464468	12.589	05-Apr-91	11:08:50	1.31667	0.161
33333.464473	0.464473	12.589	05-Apr-91	11:08:51	1.32500	0.161
33333.464479	0.464479	12.589	05-Apr-91	11:08:51	1.33333	0.161
33333.464485	0.464485	12.589	05-Apr-91	11:08:52	1.34167	0.161
33333.464491	0.464491	12.589	05-Apr-91	11:08:52	1.35000	0.161
33333.464497	0.464497	12.589	05-Apr-91	11:08:53	1.35833	0.161
33333.464502	0.464502	12.589	05-Apr-91	11:08:53	1.36667	0.161
33333.464509	0.464509	12.566	05-Apr-91	11:08:54	1.37667	0.138
33333.464514	0.464514	12.589	05-Apr-91	11:08:54	1.38333	0.161
33333.46452	0.464520	12.589	05-Apr-91	11:08:55	1.39167	0.161
33333.464525	0.464525	12.589	05-Apr-91	11:08:55	1.40000	0.161
33333.464531	0.464531	12.589	05-Apr-91	11:08:56	1.40833	0.161
33333.464537	0.464537	12.589	05-Apr-91	11:08:56	1.41667	0.161
33333.464543	0.464543	12.589	05-Apr-91	11:08:57	1.42500	0.161
33333.464549	0.464549	12.566	05-Apr-91	11:08:57	1.43333	0.138
33333.464554	0.464554	12.589	05-Apr-91	11:08:58	1.44167	0.161
33333.46456	0.464560	12.566	05-Apr-91	11:08:58	1.45000	0.138
33333.464566	0.464566	12.566	05-Apr-91	11:08:59	1.45833	0.138
333[illegible]464572	0.464572	12.589	05-Apr-91	11:08:59	1.46667	0.161
333[illegible]64578	0.464578	12.589	05-Apr-91	11:09:00	1.47500	0.161
33[illegible]64583	0.464583	12.589	05-Apr-91	11:09:00	1.48333	0.161
333[illegible]464589	0.464589	12.589	05-Apr-91	11:09:01	1.49167	0.161
33333.464595	0.464595	12.566	05-Apr-91	11:09:01	1.50000	0.138
33333.464606	0.464606	12.566	05-Apr-91	11:09:02	1.51667	0.138
33333.464612	0.464612	12.566	05-Apr-91	11:09:03	1.52500	0.138
33333.464618	0.464618	12.566	05-Apr-91	11:09:03	1.53333	0.138
33333.464624	0.464624	12.589	05-Apr-91	11:09:04	1.54167	0.161
33333.46463	0.464630	12.589	05-Apr-91	11:09:04	1.55000	0.161
33333.464635	0.464635	12.566	05-Apr-91	11:09:05	1.55833	0.138
33333.464641	0.464641	12.566	05-Apr-91	11:09:05	1.56667	0.138
33333[illegible]64647	[illegible]464647	12.566	05-Apr-91	11:09:06	1.[illegible]00	0.138
33333[illegible]64653	[illegible]464653	12.589	05-Apr-91	11:09:06	1.[illegible]33	0.161

33333.464664	0.464664	12.566	05-Apr-91	11:09:07	1.60000	0.138
33333.46467	0.464670	12.589	05-Apr-91	11:09:08	1.60833	0.161
33333.464676	0.464676	12.566	05-Apr-91	11:09:08	1.61667	0.138
33333.464682	0.464682	12.589	05-Apr-91	11:09:09	1.62500	0.161
33333.464688	0.464688	12.589	05-Apr-91	11:09:09	1.63333	0.161
33333.464693	0.464693	12.566	05-Apr-91	11:09:10	1.64167	0.138
33333.464699	0.464699	12.589	05-Apr-91	11:09:10	1.65000	0.161
33333.464705	0.464705	12.589	05-Apr-91	11:09:11	1.65833	0.161
33333.464711	0.464711	12.589	05-Apr-91	11:09:11	1.66667	0.161
33333.464716	0.464716	12.566	05-Apr-91	11:09:12	1.67500	0.138
33333.464722	0.464722	12.566	05-Apr-91	11:09:12	1.68333	0.138
33333.464722	0.464722	12.589	05-Apr-91	11:09:12	1.68333	0.161
33333.464734	0.464734	12.589	05-Apr-91	11:09:13	1.70000	0.161
33333.46474	0.464740	12.589	05-Apr-91	11:09:14	1.70833	0.161
33333.464745	0.464745	12.589	05-Apr-91	11:09:14	1.71667	0.161
33333.464751	0.464751	12.589	05-Apr-91	11:09:15	1.72500	0.161
33333.464757	0.464757	12.589	05-Apr-91	11:09:15	1.73333	0.161
33333.464763	0.464763	12.589	05-Apr-91	11:09:16	1.74167	0.161
33333.464769	0.464769	12.589	05-Apr-91	11:09:16	1.75000	0.161
33333.464774	0.464774	12.589	05-Apr-91	11:09:17	1.75833	0.161
33333.46478	0.464780	12.589	05-Apr-91	11:09:17	1.76667	0.161
33333.464786	0.464786	12.589	05-Apr-91	11:09:18	1.77500	0.161
33333.464792	0.464792	12.589	05-Apr-91	11:09:18	1.78333	0.161
33333.464797	0.464797	12.589	05-Apr-91	11:09:19	1.79167	0.161
33333.464803	0.464803	12.589	05-Apr-91	11:09:19	1.80000	0.161
33333.464809	0.464809	12.589	05-Apr-91	11:09:20	1.80833	0.161
33333.464815	0.464815	12.589	05-Apr-91	11:09:20	1.81667	0.161
33333.464821	0.464821	12.589	05-Apr-91	11:09:21	1.82500	0.161
33333.464826	0.464826	12.589	05-Apr-91	11:09:21	1.83333	0.161
33333.464838	0.464838	12.566	05-Apr-91	11:09:22	1.85000	0.138
33333.464844	0.464844	12.589	05-Apr-91	11:09:23	1.85833	0.161
33333.46485	0.464850	12.566	05-Apr-91	11:09:23	1.86667	0.138
33333.464855	0.464855	12.589	05-Apr-91	11:09:24	1.87500	0.161
33333.464861	0.464861	12.589	05-Apr-91	11:09:24	1.88333	0.161
33333.464867	0.464867	12.589	05-Apr-91	11:09:25	1.89167	0.161
33333.464873	0.464873	12.589	05-Apr-91	11:09:25	1.90000	0.161
33333.464878	0.464878	12.589	05-Apr-91	11:09:26	1.90833	0.161
33333.464884	0.464884	12.589	05-Apr-91	11:09:26	1.91667	0.161
33333.46489	0.464890	12.589	05-Apr-91	11:09:27	1.92500	0.161
33333.464896	0.464896	12.566	05-Apr-91	11:09:27	1.93333	0.138
33333.464907	0.464907	12.589	05-Apr-91	11:09:28	1.95000	0.161
33333.464913	0.464913	12.589	05-Apr-91	11:09:29	1.95833	0.161
33333.464919	0.464919	12.589	05-Apr-91	11:09:29	1.96667	0.161
33333.464925	0.464925	12.589	05-Apr-91	11:09:30	1.97500	0.161
33333.464931	0.464931	12.589	05-Apr-91	11:09:30	1.98333	0.161
33333.464936	0.464936	12.589	05-Apr-91	11:09:31	1.99167	0.161
33333.464942	0.464942	12.589	05-Apr-91	11:09:31	2.00000	0.161

33333.464948	0.464948	12.589	05-Apr-91	11:09:32	2.00833	0.161
33333.464954	0.464954	12.589	05-Apr-91	11:09:32	2.01667	0.161
33333.464961	0.464961	12.589	05-Apr-91	11:09:33	2.02667	0.161
33333.464965	0.464965	12.589	05-Apr-91	11:09:33	2.03333	0.161
33333.464971	0.464971	12.589	05-Apr-91	11:09:34	2.04167	0.161
33333.464977	0.464977	12.589	05-Apr-91	11:09:34	2.05000	0.161
33333.464983	0.464983	12.566	05-Apr-91	11:09:35	2.05833	0.138
33333.464988	0.464988	12.589	05-Apr-91	11:09:35	2.06667	0.161
33333.464994	0.464994	12.589	05-Apr-91	11:09:36	2.07500	0.161
33333.465	0.465000	12.589	05-Apr-91	11:09:36	2.08333	0.161
33333.465006	0.465006	12.589	05-Apr-91	11:09:37	2.09167	0.161
33333.465012	0.465012	12.589	05-Apr-91	11:09:37	2.10000	0.161


Bouwer & Rice Slug Test Plot
Well MW-4 -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-4s

Initial DTW (bgs) @ time < 0:	23.8	(feet)
Depth to top of sandpack:	14.7	(feet)
Depth to top of screen:	16.5	(feet)
H = Initial head @ time < 0:	12.66	(feet)
H(0)= Maximum head (@ t ~ 0):	1.64	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	14.2	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	12.7	(feet)
Length watertable to bottom of sandpack:	14.2	(feet)
b = Aquifer saturated thickness:	16.2	(feet)
Partial Penetration (Y/N):	Y	

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

Test Start Date >>>>>>	05-Apr-91
Test Start Time >>>>>>	11:20:03
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	12.659

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33333.472054	0.472054	12.682	05-Apr-91	11:19:46	-0.29167	0.023	
33333.47206	0.472060	12.682	05-Apr-91	11:19:46	-0.28333	0.023	
33333.472066	0.472066	12.682	05-Apr-91	11:19:47	-0.27500	0.023	
33333.472072	0.472072	12.682	05-Apr-91	11:19:47	-0.26667	0.023	
33333.472083	0.472083	12.659	05-Apr-91	11:19:48	-0.25000	0.000	
33333.472089	0.472089	12.682	05-Apr-91	11:19:49	-0.24167	0.023	
33333.472095	0.472095	12.682	05-Apr-91	11:19:49	-0.23333	0.023	
33333.472101	0.472101	12.682	05-Apr-91	11:19:50	-0.22500	0.023	
33333.472106	0.472106	12.682	05-Apr-91	11:19:50	-0.21667	0.023	
33333.472112	0.472112	12.682	05-Apr-91	11:19:51	-0.20833	0.023	
33333.472118	0.472118	12.682	05-Apr-91	11:19:51	-0.20000	0.023	
33333.472124	0.472124	12.682	05-Apr-91	11:19:52	-0.19167	0.023	
33333.47213	0.472130	12.682	05-Apr-91	11:19:52	-0.18333	0.023	
33333.472135	0.472135	12.682	05-Apr-91	11:19:53	-0.17500	0.023	
33333.472141	0.472141	12.659	05-Apr-91	11:19:53	-0.16667	0.000	
33333.472153	0.472153	12.682	05-Apr-91	11:19:54	-0.15000	0.023	
33333.472159	0.472159	12.682	05-Apr-91	11:19:55	-0.14167	0.023	
33333.472164	0.472164	12.682	05-Apr-91	11:19:55	-0.13333	0.023	
33333.47217	0.472170	12.682	05-Apr-91	11:19:56	-0.12500	0.023	

33333.472176	0.472176	12.682	05-Apr-91	11:19:56	-0.11667	0.023	
33333.472182	0.472182	12.682	05-Apr-91	11:19:57	-0.10833	0.023	
33333.472188	0.472188	12.682	05-Apr-91	11:19:57	-0.10000	0.023	
33333.472193	0.472193	12.682	05-Apr-91	11:19:58	-0.09167	0.023	
33333.472199	0.472199	12.682	05-Apr-91	11:19:58	-0.08333	0.023	
33333.472206	0.472206	12.659	05-Apr-91	11:19:59	-0.07333	0.000	
33333.472211	0.472211	12.682	05-Apr-91	11:19:59	-0.06667	0.023	
33333.472216	0.472216	12.682	05-Apr-91	11:20:00	-0.05833	0.023	
33333.472222	0.472222	12.659	05-Apr-91	11:20:00	-0.05000	0.000	
33333.472228	0.472228	12.682	05-Apr-91	11:20:01	-0.04167	0.023	
33333.472234	0.472234	12.682	05-Apr-91	11:20:01	-0.03333	0.023	
33333.47224	0.472240	12.682	05-Apr-91	11:20:02	-0.02500	0.023	
33333.472245	0.472245	12.682	05-Apr-91	11:20:02	-0.01667	0.023	
33333.472251	0.472251	12.682	05-Apr-91	11:20:03	-0.00833	0.023	
33333.472257	0.472257	11.019	05-Apr-91	11:20:03	0.00000	1.640	Start bail test
33333.472263	0.472263	11.527	05-Apr-91	11:20:04	0.00833	1.132	
33333.472269	0.472269	11.92	05-Apr-91	11:20:04	0.01667	0.739	
33333.472274	0.472274	11.966	05-Apr-91	11:20:05	0.02500	0.693	
33333.47228	0.472280	12.104	05-Apr-91	11:20:05	0.03333	0.555	
33333.472286	0.472286	12.104	05-Apr-91	11:20:06	0.04167	0.555	
33333.472292	0.472292	12.289	05-Apr-91	11:20:06	0.05000	0.370	
33333.472297	0.472297	12.497	05-Apr-91	11:20:07	0.05833	0.162	
33333.472303	0.472303	12.543	05-Apr-91	11:20:07	0.06667	0.116	
33333.472309	0.472309	12.543	05-Apr-91	11:20:08	0.07500	0.116	
33333.472315	0.472315	12.566	05-Apr-91	11:20:08	0.08333	0.093	
33333.472315	0.472315	12.566	05-Apr-91	11:20:08	0.08333	0.093	
33333.472326	0.472326	12.566	05-Apr-91	11:20:09	0.10000	0.093	
33333.472332	0.472332	12.589	05-Apr-91	11:20:10	0.10833	0.070	
33333.472338	0.472338	12.589	05-Apr-91	11:20:10	0.11667	0.070	
33333.472344	0.472344	12.589	05-Apr-91	11:20:11	0.12500	0.070	
33333.47235	0.472350	12.589	05-Apr-91	11:20:11	0.13333	0.070	
33333.472355	0.472355	12.589	05-Apr-91	11:20:12	0.14167	0.070	
33333.472361	0.472361	12.589	05-Apr-91	11:20:12	0.15000	0.070	
33333.472367	0.472367	12.589	05-Apr-91	11:20:13	0.15833	0.070	
33333.472373	0.472373	12.613	05-Apr-91	11:20:13	0.16667	0.046	
33333.472378	0.472378	12.613	05-Apr-91	11:20:14	0.17500	0.046	
33333.472384	0.472384	12.613	05-Apr-91	11:20:14	0.18333	0.046	
33333.47239	0.472390	12.613	05-Apr-91	11:20:15	0.19167	0.046	
33333.472396	0.472396	12.613	05-Apr-91	11:20:15	0.20000	0.046	
33333.472407	0.472407	12.589	05-Apr-91	11:20:16	0.21667	0.070	
33333.472413	0.472413	12.613	05-Apr-91	11:20:17	0.22500	0.046	
33333.472419	0.472419	12.613	05-Apr-91	11:20:17	0.23333	0.046	
33333.472425	0.472425	12.613	05-Apr-91	11:20:18	0.24167	0.046	
33333.472431	0.472431	12.613	05-Apr-91	11:20:18	0.25000	0.046	
33333.472436	0.472436	12.613	05-Apr-91	11:20:19	0.25833	0.046	
33333.472442	0.472442	12.613	05-Apr-91	11:20:19	0.26667	0.046	
33333.472448	0.472448	12.613	05-Apr-91	11:20:20	0.27500	0.046	

33333.472454	0.472454	12.613	05-Apr-91	11:20:20	0.28333	0.046
33333.472459	0.472459	12.613	05-Apr-91	11:20:21	0.29167	0.046
33333.472465	0.472465	12.613	05-Apr-91	11:20:21	0.30000	0.046
33333.472465	0.472465	12.613	05-Apr-91	11:20:21	0.30000	0.046
33333.472477	0.472477	12.613	05-Apr-91	11:20:22	0.31667	0.046
33333.472483	0.472483	12.613	05-Apr-91	11:20:23	0.32500	0.046
33333.472488	0.472488	12.613	05-Apr-91	11:20:23	0.33333	0.046
33333.472494	0.472494	12.613	05-Apr-91	11:20:24	0.34167	0.046
33333.4725	0.472500	12.613	05-Apr-91	11:20:24	0.35000	0.046
33333.472506	0.472506	12.613	05-Apr-91	11:20:25	0.35833	0.046
33333.472512	0.472512	12.613	05-Apr-91	11:20:25	0.36667	0.046
33333.472517	0.472517	12.613	05-Apr-91	11:20:26	0.37500	0.046
33333.472523	0.472523	12.613	05-Apr-91	11:20:26	0.38333	0.046
33333.472529	0.472529	12.613	05-Apr-91	11:20:27	0.39167	0.046
33333.472535	0.472535	12.613	05-Apr-91	11:20:27	0.40000	0.046
33333.472541	0.472541	12.613	05-Apr-91	11:20:28	0.40833	0.046
33333.472546	0.472546	12.613	05-Apr-91	11:20:28	0.41667	0.046
33333.472552	0.472552	12.613	05-Apr-91	11:20:29	0.42500	0.046
33333.472558	0.472558	12.636	05-Apr-91	11:20:29	0.43333	0.023
33333.472564	0.472564	12.613	05-Apr-91	11:20:30	0.44167	0.046
33333.472569	0.472569	12.613	05-Apr-91	11:20:30	0.45000	0.046
33333.472576	0.472576	12.613	05-Apr-91	11:20:31	0.46000	0.046
33333.472581	0.472581	12.636	05-Apr-91	11:20:31	0.46667	0.023
33333.472587	0.472587	12.613	05-Apr-91	11:20:32	0.47500	0.046
33333.472593	0.472593	12.636	05-Apr-91	11:20:32	0.48333	0.023
33333.472598	0.472598	12.613	05-Apr-91	11:20:33	0.49167	0.046
33333.472604	0.472604	12.613	05-Apr-91	11:20:33	0.50000	0.046
33333.47261	0.472610	12.636	05-Apr-91	11:20:34	0.50833	0.023
33333.472616	0.472616	12.613	05-Apr-91	11:20:34	0.51667	0.046
33333.472622	0.472622	12.636	05-Apr-91	11:20:35	0.52500	0.023
33333.472627	0.472627	12.613	05-Apr-91	11:20:35	0.53333	0.046
33333.472633	0.472633	12.636	05-Apr-91	11:20:36	0.54167	0.023
33333.472639	0.472639	12.613	05-Apr-91	11:20:36	0.55000	0.046
33333.472645	0.472645	12.613	05-Apr-91	11:20:37	0.55833	0.046
33333.47265	0.472650	12.636	05-Apr-91	11:20:37	0.56667	0.023
33333.472656	0.472656	12.613	05-Apr-91	11:20:38	0.57500	0.046
33333.472662	0.472662	12.613	05-Apr-91	11:20:38	0.58333	0.046
33333.472674	0.472674	12.613	05-Apr-91	11:20:39	0.60000	0.046
33333.472679	0.472679	12.636	05-Apr-91	11:20:40	0.60833	0.023
33333.472685	0.472685	12.613	05-Apr-91	11:20:40	0.61667	0.046
33333.472691	0.472691	12.613	05-Apr-91	11:20:41	0.62500	0.046
33333.472697	0.472697	12.636	05-Apr-91	11:20:41	0.63333	0.023
33333.472703	0.472703	12.636	05-Apr-91	11:20:42	0.64167	0.023
33333.472708	0.472708	12.636	05-Apr-91	11:20:42	0.65000	0.023
33333.472714	0.472714	12.636	05-Apr-91	11:20:43	0.65833	0.023
33333.47272	0.472720	12.613	05-Apr-91	11:20:43	0.66667	0.046
33333.472727	0.472727	12.613	05-Apr-91	11:20:44	0.67667	0.046

33333.472731	0.472731	12.613	05-Apr-91	11:20:44	0.68333	0.046
33333.472737	0.472737	12.613	05-Apr-91	11:20:45	0.69167	0.046
33333.472743	0.472743	12.636	05-Apr-91	11:20:45	0.70000	0.023
33333.472749	0.472749	12.613	05-Apr-91	11:20:46	0.70833	0.046
33333.472755	0.472755	12.613	05-Apr-91	11:20:46	0.71667	0.046
33333.47276	0.472760	12.636	05-Apr-91	11:20:47	0.72500	0.023
33333.472766	0.472766	12.636	05-Apr-91	11:20:47	0.73333	0.023
33333.472772	0.472772	12.613	05-Apr-91	11:20:48	0.74167	0.046
33333.472778	0.472778	12.636	05-Apr-91	11:20:48	0.75000	0.023
33333.472784	0.472784	12.636	05-Apr-91	11:20:49	0.75833	0.023
33333.472789	0.472789	12.613	05-Apr-91	11:20:49	0.76667	0.046
33333.472795	0.472795	12.613	05-Apr-91	11:20:50	0.77500	0.046
33333.472801	0.472801	12.636	05-Apr-91	11:20:50	0.78333	0.023
33333.472807	0.472807	12.613	05-Apr-91	11:20:51	0.79167	0.046
33333.472813	0.472813	12.613	05-Apr-91	11:20:51	0.80000	0.046
33333.472818	0.472818	12.636	05-Apr-91	11:20:52	0.80833	0.023
33333.472824	0.472824	12.613	05-Apr-91	11:20:52	0.81667	0.046
33333.47283	0.472830	12.636	05-Apr-91	11:20:53	0.82500	0.023
33333.472836	0.472836	12.613	05-Apr-91	11:20:53	0.83333	0.046
33333.472836	0.472836	12.636	05-Apr-91	11:20:53	0.83333	0.023
33333.472847	0.472847	12.636	05-Apr-91	11:20:54	0.85000	0.023
33333.472853	0.472853	12.636	05-Apr-91	11:20:55	0.85833	0.023
33333.472859	0.472859	12.636	05-Apr-91	11:20:55	0.86667	0.023
33333.472865	0.472865	12.636	05-Apr-91	11:20:56	0.87500	0.023
33333.47287	0.472870	12.613	05-Apr-91	11:20:56	0.88333	0.046
33333.472876	0.472876	12.636	05-Apr-91	11:20:57	0.89167	0.023
33333.472882	0.472882	12.636	05-Apr-91	11:20:57	0.90000	0.023
33333.472888	0.472888	12.636	05-Apr-91	11:20:58	0.90833	0.023
33333.472894	0.472894	12.636	05-Apr-91	11:20:58	0.91667	0.023
33333.472899	0.472899	12.636	05-Apr-91	11:20:59	0.92500	0.023
33333.472905	0.472905	12.613	05-Apr-91	11:20:59	0.93333	0.046
33333.472911	0.472911	12.636	05-Apr-91	11:21:00	0.94167	0.023
33333.472917	0.472917	12.636	05-Apr-91	11:21:00	0.95000	0.023
33333.472928	0.472928	12.613	05-Apr-91	11:21:01	0.96667	0.046
33333.472934	0.472934	12.613	05-Apr-91	11:21:02	0.97500	0.046
33333.47294	0.472940	12.613	05-Apr-91	11:21:02	0.98333	0.046
33333.472946	0.472946	12.636	05-Apr-91	11:21:03	0.99167	0.023
33333.472951	0.472951	12.636	05-Apr-91	11:21:03	1.00000	0.023
33333.472957	0.472957	12.613	05-Apr-91	11:21:04	1.00833	0.046
33333.472963	0.472963	12.613	05-Apr-91	11:21:04	1.01667	0.046
33333.472969	0.472969	12.636	05-Apr-91	11:21:05	1.02500	0.023
33333.472975	0.472975	12.636	05-Apr-91	11:21:05	1.03333	0.023
33333.47298	0.472980	12.636	05-Apr-91	11:21:06	1.04167	0.023
33333.472986	0.472986	12.613	05-Apr-91	11:21:06	1.05000	0.046
33333.472986	0.472986	12.636	05-Apr-91	11:21:06	1.05000	0.023
33333.472998	0.472998	12.636	05-Apr-91	11:21:07	1.06667	0.023
33333.473003	0.473003	12.613	05-Apr-91	11:21:08	1.07500	0.046

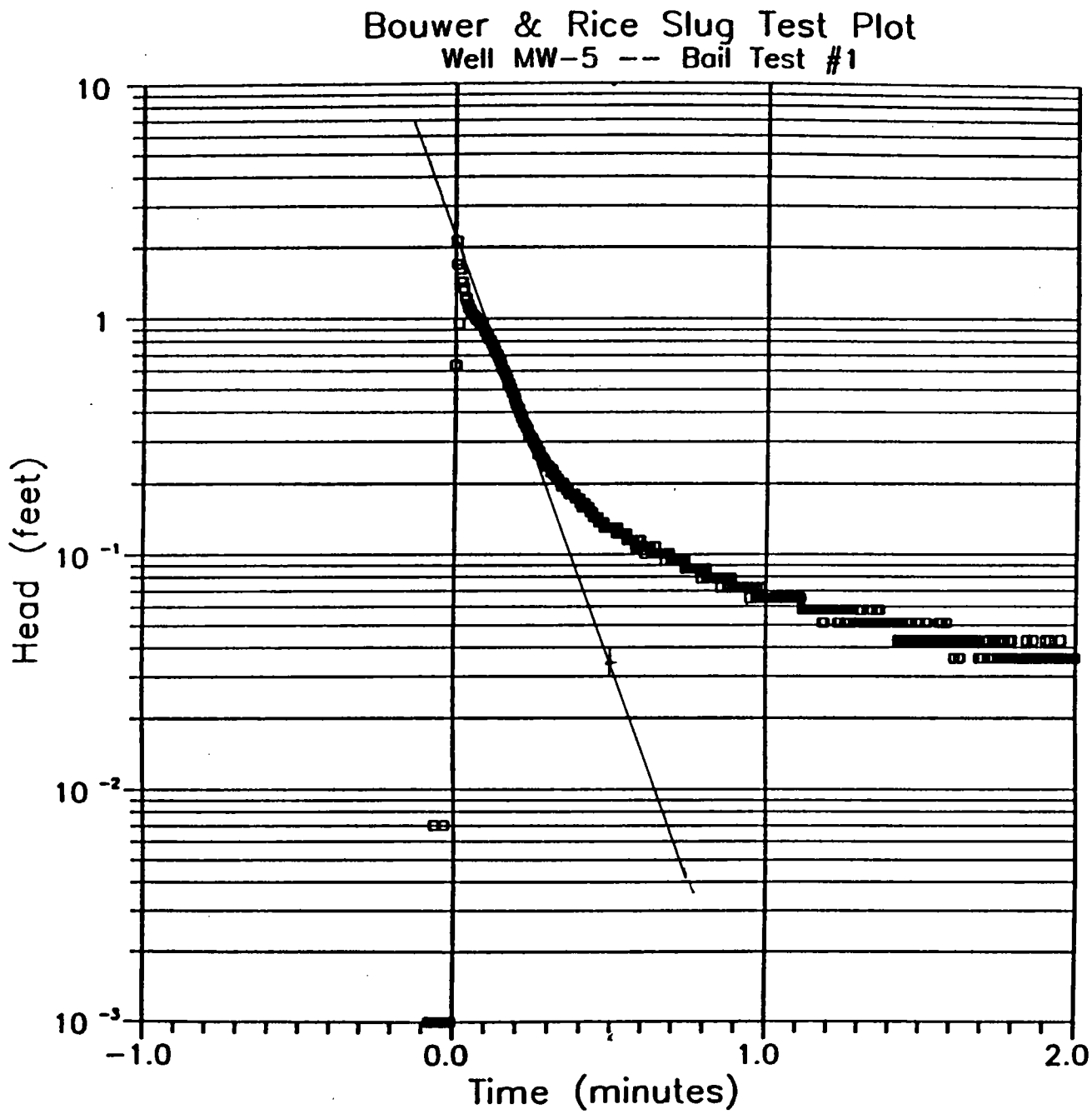
33333.473009	0.473009	12.613	05-Apr-91	11:21:08	1.08333	0.046
33333.473015	0.473015	12.636	05-Apr-91	11:21:09	1.09167	0.023
33333.473021	0.473021	12.636	05-Apr-91	11:21:09	1.10000	0.023
33333.473027	0.473027	12.613	05-Apr-91	11:21:10	1.10833	0.046
33333.473032	0.473032	12.636	05-Apr-91	11:21:10	1.11667	0.023
33333.473038	0.473038	12.636	05-Apr-91	11:21:11	1.12500	0.023
33333.473044	0.473044	12.636	05-Apr-91	11:21:11	1.13333	0.023
33333.47305	0.473050	12.636	05-Apr-91	11:21:12	1.14167	0.023
33333.473056	0.473056	12.636	05-Apr-91	11:21:12	1.15000	0.023
33333.473061	0.473061	12.636	05-Apr-91	11:21:13	1.15833	0.023
33333.473067	0.473067	12.636	05-Apr-91	11:21:13	1.16667	0.023
33333.473073	0.473073	12.636	05-Apr-91	11:21:14	1.17500	0.023
33333.473079	0.473079	12.636	05-Apr-91	11:21:14	1.18333	0.023
33333.473084	0.473084	12.613	05-Apr-91	11:21:15	1.19167	0.046
33333.47309	0.473090	12.636	05-Apr-91	11:21:15	1.20000	0.023
33333.473097	0.473097	12.613	05-Apr-91	11:21:16	1.21000	0.046
33333.473102	0.473102	12.636	05-Apr-91	11:21:16	1.21667	0.023
33333.473108	0.473108	12.613	05-Apr-91	11:21:17	1.22500	0.046
33333.473113	0.473113	12.636	05-Apr-91	11:21:17	1.23333	0.023
33333.473119	0.473119	12.636	05-Apr-91	11:21:18	1.24167	0.023
33333.473125	0.473125	12.636	05-Apr-91	11:21:18	1.25000	0.023
33333.473131	0.473131	12.636	05-Apr-91	11:21:19	1.25833	0.023
33333.473137	0.473137	12.636	05-Apr-91	11:21:19	1.26667	0.023
33333.473142	0.473142	12.636	05-Apr-91	11:21:20	1.27500	0.023
33333.473148	0.473148	12.636	05-Apr-91	11:21:20	1.28333	0.023
33333.473154	0.473154	12.636	05-Apr-91	11:21:21	1.29167	0.023
33333.47316	0.473160	12.636	05-Apr-91	11:21:21	1.30000	0.023
33333.473166	0.473166	12.636	05-Apr-91	11:21:22	1.30833	0.023
33333.473171	0.473171	12.636	05-Apr-91	11:21:22	1.31667	0.023
33333.473177	0.473177	12.636	05-Apr-91	11:21:23	1.32500	0.023
33333.473183	0.473183	12.613	05-Apr-91	11:21:23	1.33333	0.046
33333.473194	0.473194	12.636	05-Apr-91	11:21:24	1.35000	0.023
33333.4732	0.473200	12.636	05-Apr-91	11:21:25	1.35833	0.023
33333.473206	0.473206	12.636	05-Apr-91	11:21:25	1.36667	0.023
33333.473212	0.473212	12.613	05-Apr-91	11:21:26	1.37500	0.046
33333.473218	0.473218	12.636	05-Apr-91	11:21:26	1.38333	0.023
33333.473223	0.473223	12.636	05-Apr-91	11:21:27	1.39167	0.023
33333.473229	0.473229	12.636	05-Apr-91	11:21:27	1.40000	0.023
33333.473235	0.473235	12.636	05-Apr-91	11:21:28	1.40833	0.023
33333.473241	0.473241	12.636	05-Apr-91	11:21:28	1.41667	0.023
33333.473248	0.473248	12.613	05-Apr-91	11:21:29	1.42667	0.046
33333.473252	0.473252	12.636	05-Apr-91	11:21:29	1.43333	0.023
33333.473258	0.473258	12.636	05-Apr-91	11:21:30	1.44167	0.023
33333.473264	0.473264	12.636	05-Apr-91	11:21:30	1.45000	0.023
33333.47327	0.473270	12.636	05-Apr-91	11:21:31	1.45833	0.023
33333.473275	0.473275	12.636	05-Apr-91	11:21:31	1.46667	0.023
33333.473281	0.473281	12.636	05-Apr-91	11:21:32	1.47500	0.023

33333.473287	0.473287	12.636	05-Apr-91	11:21:32	1.48333	0.023
33333.473293	0.473293	12.636	05-Apr-91	11:21:33	1.49167	0.023
33333.473299	0.473299	12.636	05-Apr-91	11:21:33	1.50000	0.023
33333.473304	0.473304	12.636	05-Apr-91	11:21:34	1.50833	0.023
33333.47331	0.473310	12.636	05-Apr-91	11:21:34	1.51667	0.023
33333.473316	0.473316	12.636	05-Apr-91	11:21:35	1.52500	0.023
33333.473322	0.473322	12.613	05-Apr-91	11:21:35	1.53333	0.046
33333.473328	0.473328	12.636	05-Apr-91	11:21:36	1.54167	0.023
33333.473333	0.473333	12.613	05-Apr-91	11:21:36	1.55000	0.046
33333.473339	0.473339	12.636	05-Apr-91	11:21:37	1.55833	0.023
33333.473345	0.473345	12.636	05-Apr-91	11:21:37	1.56667	0.023
33333.473351	0.473351	12.636	05-Apr-91	11:21:38	1.57500	0.023
33333.473356	0.473356	12.636	05-Apr-91	11:21:38	1.58333	0.023
33333.473356	0.473356	12.636	05-Apr-91	11:21:38	1.58333	0.023
33333.473368	0.473368	12.636	05-Apr-91	11:21:39	1.60000	0.023
33333.473374	0.473374	12.636	05-Apr-91	11:21:40	1.60833	0.023
33333.47338	0.473380	12.636	05-Apr-91	11:21:40	1.61667	0.023
33333.473385	0.473385	12.613	05-Apr-91	11:21:41	1.62500	0.046
33333.473391	0.473391	12.636	05-Apr-91	11:21:41	1.63333	0.023
33333.473397	0.473397	12.636	05-Apr-91	11:21:42	1.64167	0.023
33333.473403	0.473403	12.636	05-Apr-91	11:21:42	1.65000	0.023
33333.473409	0.473409	12.613	05-Apr-91	11:21:43	1.65833	0.046
33333.473414	0.473414	12.636	05-Apr-91	11:21:43	1.66667	0.023
33333.47342	0.473420	12.636	05-Apr-91	11:21:44	1.67500	0.023
33333.473426	0.473426	12.636	05-Apr-91	11:21:44	1.68333	0.023
33333.473432	0.473432	12.636	05-Apr-91	11:21:45	1.69167	0.023
33333.473438	0.473438	12.613	05-Apr-91	11:21:45	1.70000	0.046
33333.473449	0.473449	12.613	05-Apr-91	11:21:46	1.71667	0.046
33333.473455	0.473455	12.613	05-Apr-91	11:21:47	1.72500	0.046
33333.473461	0.473461	12.636	05-Apr-91	11:21:47	1.73333	0.023
33333.473466	0.473466	12.636	05-Apr-91	11:21:48	1.74167	0.023
33333.473472	0.473472	12.636	05-Apr-91	11:21:48	1.75000	0.023
33333.473478	0.473478	12.636	05-Apr-91	11:21:49	1.75833	0.023
33333.473484	0.473484	12.636	05-Apr-91	11:21:49	1.76667	0.023
33333.47349	0.473490	12.636	05-Apr-91	11:21:50	1.77500	0.023
33333.473495	0.473495	12.636	05-Apr-91	11:21:50	1.78333	0.023
33333.473501	0.473501	12.636	05-Apr-91	11:21:51	1.79167	0.023
33333.473507	0.473507	12.613	05-Apr-91	11:21:51	1.80000	0.046
33333.473519	0.473519	12.636	05-Apr-91	11:21:52	1.81667	0.023
33333.473524	0.473524	12.636	05-Apr-91	11:21:53	1.82500	0.023
33333.47353	0.473530	12.636	05-Apr-91	11:21:53	1.83333	0.023
33333.473536	0.473536	12.636	05-Apr-91	11:21:54	1.84167	0.023
33333.473542	0.473542	12.636	05-Apr-91	11:21:54	1.85000	0.023
33333.473547	0.473547	12.636	05-Apr-91	11:21:55	1.85833	0.023
33333.473553	0.473553	12.636	05-Apr-91	11:21:55	1.86667	0.023
33333.473559	0.473559	12.636	05-Apr-91	11:21:56	1.87500	0.023
33333.473565	0.473565	12.636	05-Apr-91	11:21:56	1.88333	0.023

33333.473572	0.473572	12.613	05-Apr-91	11:21:57	1.89333	0.046
33333.473576	0.473576	12.636	05-Apr-91	11:21:57	1.90000	0.023
33333.473582	0.473582	12.636	05-Apr-91	11:21:58	1.90833	0.023
33333.473588	0.473588	12.636	05-Apr-91	11:21:58	1.91667	0.023
33333.473595	0.473595	12.636	05-Apr-91	11:21:59	1.92667	0.023
33333.4736	0.473600	12.636	05-Apr-91	11:21:59	1.93333	0.023
33333.473605	0.473605	12.636	05-Apr-91	11:22:00	1.94167	0.023
33333.473611	0.473611	12.636	05-Apr-91	11:22:00	1.95000	0.023
33333.473617	0.473617	12.636	05-Apr-91	11:22:01	1.95833	0.023
33333.473623	0.473623	12.636	05-Apr-91	11:22:01	1.96667	0.023
33333.473628	0.473628	12.636	05-Apr-91	11:22:02	1.97500	0.023
33333.473634	0.473634	12.636	05-Apr-91	11:22:02	1.98333	0.023
33333.47364	0.473640	12.636	05-Apr-91	11:22:03	1.99167	0.023
33333.473646	0.473646	12.636	05-Apr-91	11:22:03	2.00000	0.023
33333.473652	0.473652	12.636	05-Apr-91	11:22:04	2.00833	0.023
33333.473657	0.473657	12.636	05-Apr-91	11:22:04	2.01667	0.023
33333.473663	0.473663	12.636	05-Apr-91	11:22:05	2.02500	0.023
33333.473669	0.473669	12.636	05-Apr-91	11:22:05	2.03333	0.023
33333.473675	0.473675	12.636	05-Apr-91	11:22:06	2.04167	0.023
33333.473681	0.473681	12.613	05-Apr-91	11:22:06	2.05000	0.046
33333.473692	0.473692	12.636	05-Apr-91	11:22:07	2.06667	0.023
33333.473698	0.473698	12.636	05-Apr-91	11:22:08	2.07500	0.023
33333.473704	0.473704	12.613	05-Apr-91	11:22:08	2.08333	0.046
33333.473709	0.473709	12.636	05-Apr-91	11:22:09	2.09167	0.023
33333.473715	0.473715	12.636	05-Apr-91	11:22:09	2.10000	0.023
33333.473721	0.473721	12.636	05-Apr-91	11:22:10	2.10833	0.023
33333.473727	0.473727	12.636	05-Apr-91	11:22:10	2.11667	0.023
33333.473733	0.473733	12.636	05-Apr-91	11:22:11	2.12500	0.023
33333.473738	0.473738	12.636	05-Apr-91	11:22:11	2.13333	0.023
33333.47375	0.473750	12.613	05-Apr-91	11:22:12	2.15000	0.046
33333.473756	0.473756	12.636	05-Apr-91	11:22:13	2.15833	0.023
33333.473762	0.473762	12.636	05-Apr-91	11:22:13	2.16667	0.023
33333.473767	0.473767	12.636	05-Apr-91	11:22:14	2.17500	0.023
33333.473773	0.473773	12.613	05-Apr-91	11:22:14	2.18333	0.046
33333.473779	0.473779	12.636	05-Apr-91	11:22:15	2.19167	0.023
33333.473785	0.473785	12.636	05-Apr-91	11:22:15	2.20000	0.023
33333.473791	0.473791	12.636	05-Apr-91	11:22:16	2.20833	0.023
33333.473796	0.473796	12.636	05-Apr-91	11:22:16	2.21667	0.023
33333.473802	0.473802	12.636	05-Apr-91	11:22:17	2.22500	0.023
33333.473808	0.473808	12.636	05-Apr-91	11:22:17	2.23333	0.023
33333.473808	0.473808	12.636	05-Apr-91	11:22:17	2.23333	0.023
33333.473819	0.473819	12.636	05-Apr-91	11:22:18	2.25000	0.023
33333.473825	0.473825	12.636	05-Apr-91	11:22:19	2.25833	0.023
33333.473831	0.473831	12.636	05-Apr-91	11:22:19	2.26667	0.023
33333.473837	0.473837	12.636	05-Apr-91	11:22:20	2.27500	0.023
33333.473843	0.473843	12.636	05-Apr-91	11:22:20	2.28333	0.023
33333.473848	0.473848	12.636	05-Apr-91	11:22:21	2.29167	0.023

33333.473854	0.473854	12.636	05-Apr-91	11:22:21	2.30000	0.023
33333.47386	0.473860	12.636	05-Apr-91	11:22:22	2.30833	0.023
33333.473866	0.473866	12.636	05-Apr-91	11:22:22	2.31667	0.023
33333.473872	0.473872	12.636	05-Apr-91	11:22:23	2.32500	0.023
33333.473877	0.473877	12.636	05-Apr-91	11:22:23	2.33333	0.023
33333.473883	0.473883	12.636	05-Apr-91	11:22:24	2.34167	0.023
33333.473889	0.473889	12.636	05-Apr-91	11:22:24	2.35000	0.023
33333.473895	0.473895	12.636	05-Apr-91	11:22:25	2.35833	0.023
33333.4739	0.473900	12.636	05-Apr-91	11:22:25	2.36667	0.023
33333.473906	0.473906	12.636	05-Apr-91	11:22:26	2.37500	0.023
33333.473912	0.473912	12.636	05-Apr-91	11:22:26	2.38333	0.023
33333.473919	0.473919	12.636	05-Apr-91	11:22:27	2.39333	0.023
33333.473924	0.473924	12.636	05-Apr-91	11:22:27	2.40000	0.023
33333.473929	0.473929	12.636	05-Apr-91	11:22:28	2.40833	0.023
33333.473935	0.473935	12.636	05-Apr-91	11:22:28	2.41667	0.023
33333.473941	0.473941	12.636	05-Apr-91	11:22:29	2.42500	0.023
33333.473947	0.473947	12.636	05-Apr-91	11:22:29	2.43333	0.023
33333.473953	0.473953	12.636	05-Apr-91	11:22:30	2.44167	0.023
33333.473958	0.473958	12.636	05-Apr-91	11:22:30	2.45000	0.023
33333.473964	0.473964	12.636	05-Apr-91	11:22:31	2.45833	0.023
33333.47397	0.473970	12.636	05-Apr-91	11:22:31	2.46667	0.023
33333.473976	0.473976	12.636	05-Apr-91	11:22:32	2.47500	0.023
33333.473981	0.473981	12.636	05-Apr-91	11:22:32	2.48333	0.023
33333.473987	0.473987	12.636	05-Apr-91	11:22:33	2.49167	0.023
33333.473993	0.473993	12.636	05-Apr-91	11:22:33	2.50000	0.023
33333.473999	0.473999	12.636	05-Apr-91	11:22:34	2.50833	0.023
33333.474005	0.474005	12.613	05-Apr-91	11:22:34	2.51667	0.046
33333.474016	0.474016	12.636	05-Apr-91	11:22:35	2.53333	0.023
33333.474022	0.474022	12.636	05-Apr-91	11:22:36	2.54167	0.023
33333.474028	0.474028	12.636	05-Apr-91	11:22:36	2.55000	0.023
33333.474034	0.474034	12.636	05-Apr-91	11:22:37	2.55833	0.023
33333.474039	0.474039	12.636	05-Apr-91	11:22:37	2.56667	0.023
33333.474045	0.474045	12.636	05-Apr-91	11:22:38	2.57500	0.023
33333.474051	0.474051	12.636	05-Apr-91	11:22:38	2.58333	0.023
33333.474057	0.474057	12.636	05-Apr-91	11:22:39	2.59167	0.023
33333.474063	0.474063	12.636	05-Apr-91	11:22:39	2.60000	0.023
33333.474069	0.474069	12.613	05-Apr-91	11:22:40	2.61000	0.046
33333.474074	0.474074	12.636	05-Apr-91	11:22:40	2.61667	0.023
33333.47408	0.474080	12.636	05-Apr-91	11:22:41	2.62500	0.023
33333.474086	0.474086	12.636	05-Apr-91	11:22:41	2.63333	0.023
33333.474091	0.474091	12.613	05-Apr-91	11:22:42	2.64167	0.046
33333.474097	0.474097	12.636	05-Apr-91	11:22:42	2.65000	0.023
33333.474103	0.474103	12.636	05-Apr-91	11:22:43	2.65833	0.023
33333.474109	0.474109	12.636	05-Apr-91	11:22:43	2.66667	0.023
33333.474115	0.474115	12.636	05-Apr-91	11:22:44	2.67500	0.023
33333.47412	0.474120	12.636	05-Apr-91	11:22:44	2.68333	0.023
33333.474126	0.474126	12.636	05-Apr-91	11:22:45	2.69167	0.023

33333.474132	0.474132	12.636	05-Apr-91	11:22:45	2.70000	0.023
33333.474138	0.474138	12.636	05-Apr-91	11:22:46	2.70833	0.023
33333.474144	0.474144	12.636	05-Apr-91	11:22:46	2.71667	0.023
33333.474149	0.474149	12.636	05-Apr-91	11:22:47	2.72500	0.023
33333.474155	0.474155	12.636	05-Apr-91	11:22:47	2.73333	0.023
33333.474161	0.474161	12.613	05-Apr-91	11:22:48	2.74167	0.046
33333.474167	0.474167	12.636	05-Apr-91	11:22:48	2.75000	0.023
33333.474172	0.474172	12.636	05-Apr-91	11:22:49	2.75833	0.023
33333.474178	0.474178	12.636	05-Apr-91	11:22:49	2.76667	0.023
33333.474178	0.474178	12.636	05-Apr-91	11:22:49	2.76667	0.023
33333.47419	0.474190	12.636	05-Apr-91	11:22:50	2.78333	0.023
33333.474196	0.474196	12.636	05-Apr-91	11:22:51	2.79167	0.023
33333.474201	0.474201	12.636	05-Apr-91	11:22:51	2.80000	0.023
33333.474207	0.474207	12.636	05-Apr-91	11:22:52	2.80833	0.023
33333.474213	0.474213	12.636	05-Apr-91	11:22:52	2.81667	0.023
33333.474219	0.474219	12.636	05-Apr-91	11:22:53	2.82500	0.023
33333.474225	0.474225	12.636	05-Apr-91	11:22:53	2.83333	0.023
33333.47423	0.474230	12.636	05-Apr-91	11:22:54	2.84167	0.023
33333.474236	0.474236	12.636	05-Apr-91	11:22:54	2.85000	0.023
33333.474242	0.474242	12.613	05-Apr-91	11:22:55	2.85833	0.046
33333.474248	0.474248	12.636	05-Apr-91	11:22:55	2.86667	0.023


Bouwer & Rice Slug Test Plot
Well MW-5 -- Bail Test #1
Head (feet)
10
1
10 -1
10 -2
10 -3
-1.0
0.0
1.0
2.0
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-5s

Initial DTW (bgs) @ time < 0:	23.0	(feet)
Depth to top of sandpack:	7.5	(feet)
Depth to top of screen:	7.95	(feet)
H = Initial head @ time < 0:	6.40	(feet)
H(0)= Maximum head (@ t ~ 0):	2.12	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	5.9	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	5.9	(feet)
Length watertable to bottom of sandpack:	5.9	(feet)
b = Aquifer saturated thickness:	9.0	(feet)
Partial Penetration (Y/N):	Y	

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

Test Start Date >>>>>>	10-Dec-91
Test Start Time >>>>>>	12:43:05
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	6.3958

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33582.529869	0.529869	6.3958	10-Dec-91	12:43:01	-0.0749	0.000	
33582.529874	0.529874	6.3958	10-Dec-91	12:43:01	-0.0677	0.000	
33582.529878	0.529878	6.3886	10-Dec-91	12:43:01	-0.0619	0.007	
33582.529882	0.529882	6.3958	10-Dec-91	12:43:02	-0.0562	0.000	
33582.529884	0.529884	6.3958	10-Dec-91	12:43:02	-0.0533	0.000	
33582.529887	0.529887	6.3958	10-Dec-91	12:43:02	-0.0490	0.000	
33582.52989	0.52989	6.3958	10-Dec-91	12:43:02	-0.0446	0.000	
33582.529892	0.529892	6.3958	10-Dec-91	12:43:03	-0.0418	0.000	
33582.529895	0.529895	6.3958	10-Dec-91	12:43:03	-0.0374	0.000	
33582.529899	0.529899	6.3886	10-Dec-91	12:43:03	-0.0317	0.007	
33582.529903	0.529903	6.3958	10-Dec-91	12:43:04	-0.0259	0.000	
33582.529905	0.529905	6.3958	10-Dec-91	12:43:04	-0.0230	0.000	
33582.529907	0.529907	6.3958	10-Dec-91	12:43:04	-0.0202	0.000	
33582.529911	0.529911	6.3958	10-Dec-91	12:43:04	-0.0144	0.000	
33582.529913	0.529913	6.3958	10-Dec-91	12:43:04	-0.0115	0.000	
33582.529916	0.529916	6.3958	10-Dec-91	12:43:05	-0.0072	0.000	
33582.529921	0.529921	5.7606	10-Dec-91	12:43:05	0.0000	0.635	Start Bail Test
33582.529924	0.529924	4.2735	10-Dec-91	12:43:05	0.0043	2.122	
33582.529926	0.529926	4.7066	10-Dec-91	12:43:06	0.0072	1.689	

33582.529929	0.529929	5.4429	10-Dec-91	12:43:06	0.0115	0.953
33582.529932	0.529932	4.7788	10-Dec-91	12:43:06	0.0158	1.617
33582.529934	0.529934	4.9737	10-Dec-91	12:43:06	0.0187	1.422
33582.529938	0.529938	5.0531	10-Dec-91	12:43:07	0.0245	1.343
33582.529942	0.529942	5.1686	10-Dec-91	12:43:07	0.0302	1.227
33582.529944	0.529944	5.2047	10-Dec-91	12:43:07	0.0331	1.191
33582.529947	0.529947	5.248	10-Dec-91	12:43:07	0.0374	1.148
33582.52995	0.52995	5.2913	10-Dec-91	12:43:08	0.0418	1.105
33582.529953	0.529953	5.3202	10-Dec-91	12:43:08	0.0461	1.076
33582.529955	0.529955	5.3419	10-Dec-91	12:43:08	0.0490	1.054
33582.529958	0.529958	5.3563	10-Dec-91	12:43:08	0.0533	1.040
33582.529963	0.529963	5.378	10-Dec-91	12:43:09	0.0605	1.018
33582.529965	0.529965	5.3996	10-Dec-91	12:43:09	0.0634	0.996
33582.529968	0.529968	5.3996	10-Dec-91	12:43:09	0.0677	0.996
33582.529971	0.529971	5.4141	10-Dec-91	12:43:09	0.0720	0.982
33582.529973	0.529973	5.4285	10-Dec-91	12:43:10	0.0749	0.967
33582.529977	0.529977	5.4429	10-Dec-91	12:43:10	0.0806	0.953
33582.529979	0.529979	5.4574	10-Dec-91	12:43:10	0.0835	0.938
33582.529984	0.529984	5.4935	10-Dec-91	12:43:11	0.0907	0.902
33582.529986	0.529986	5.5151	10-Dec-91	12:43:11	0.0936	0.881
33582.52999	0.52999	5.5296	10-Dec-91	12:43:11	0.0994	0.866
33582.529992	0.529992	5.5512	10-Dec-91	12:43:11	0.1022	0.845
33582.529994	0.529994	5.5729	10-Dec-91	12:43:11	0.1051	0.823
33582.529998	0.529998	5.5873	10-Dec-91	12:43:12	0.1109	0.809
33582.53	0.53	5.609	10-Dec-91	12:43:12	0.1138	0.787
33582.530005	0.530005	5.6378	10-Dec-91	12:43:12	0.1210	0.758
33582.530007	0.530007	5.6595	10-Dec-91	12:43:13	0.1238	0.736
33582.53001	0.53001	5.6812	10-Dec-91	12:43:13	0.1282	0.715
33582.530013	0.530013	5.6956	10-Dec-91	12:43:13	0.1325	0.700
33582.530015	0.530015	5.7173	10-Dec-91	12:43:13	0.1354	0.679
33582.530019	0.530019	5.7389	10-Dec-91	12:43:14	0.1411	0.657
33582.530021	0.530021	5.7606	10-Dec-91	12:43:14	0.1440	0.635
33582.530025	0.530025	5.7894	10-Dec-91	12:43:14	0.1498	0.606
33582.530028	0.530028	5.8039	10-Dec-91	12:43:14	0.1541	0.592
33582.530031	0.530031	5.8183	10-Dec-91	12:43:15	0.1584	0.578
33582.530034	0.530034	5.84	10-Dec-91	12:43:15	0.1627	0.556
33582.530037	0.530037	5.8616	10-Dec-91	12:43:15	0.1670	0.534
33582.530039	0.530039	5.8761	10-Dec-91	12:43:15	0.1699	0.520
33582.530042	0.530042	5.8905	10-Dec-91	12:43:16	0.1742	0.505
33582.530046	0.530046	5.9122	10-Dec-91	12:43:16	0.1800	0.484
33582.53005	0.53005	5.9338	10-Dec-91	12:43:16	0.1858	0.462
33582.530052	0.530052	5.9483	10-Dec-91	12:43:16	0.1886	0.448
33582.530054	0.530054	5.9627	10-Dec-91	12:43:17	0.1915	0.433
33582.530058	0.530058	5.9771	10-Dec-91	12:43:17	0.1973	0.419
33582.53006	0.53006	5.9843	10-Dec-91	12:43:17	0.2002	0.412
33582.530062	0.530062	5.9988	10-Dec-91	12:43:17	0.2030	0.397
33582.530067	0.530067	6.0204	10-Dec-91	12:43:18	0.2102	0.375

33582.530071	0.530071	6.0349	10-Dec-91	12:43:18	0.2160	0.361
33582.530073	0.530073	6.0421	10-Dec-91	12:43:18	0.2189	0.354
33582.530075	0.530075	6.0493	10-Dec-91	12:43:18	0.2218	0.347
33582.530079	0.530079	6.0565	10-Dec-91	12:43:19	0.2275	0.339
33582.530081	0.530081	6.071	10-Dec-91	12:43:19	0.2304	0.325
33582.530083	0.530083	6.0782	10-Dec-91	12:43:19	0.2333	0.318
33582.530089	0.530089	6.0854	10-Dec-91	12:43:20	0.2419	0.310
33582.530091	0.530091	6.0926	10-Dec-91	12:43:20	0.2448	0.303
33582.530094	0.530094	6.0998	10-Dec-91	12:43:20	0.2491	0.296
33582.530097	0.530097	6.1071	10-Dec-91	12:43:20	0.2534	0.289
33582.5301	0.5301	6.1143	10-Dec-91	12:43:21	0.2578	0.282
33582.530102	0.530102	6.1287	10-Dec-91	12:43:21	0.2606	0.267
33582.530105	0.530105	6.1215	10-Dec-91	12:43:21	0.2650	0.274
33582.53011	0.53011	6.1359	10-Dec-91	12:43:22	0.2722	0.260
33582.530112	0.530112	6.1432	10-Dec-91	12:43:22	0.2750	0.253
33582.530115	0.530115	6.1432	10-Dec-91	12:43:22	0.2794	0.253
33582.530118	0.530118	6.1504	10-Dec-91	12:43:22	0.2837	0.245
33582.53012	0.53012	6.1576	10-Dec-91	12:43:22	0.2866	0.238
33582.530123	0.530123	6.1576	10-Dec-91	12:43:23	0.2909	0.238
33582.530126	0.530126	6.1576	10-Dec-91	12:43:23	0.2952	0.238
33582.530131	0.530131	6.172	10-Dec-91	12:43:23	0.3024	0.224
33582.530133	0.530133	6.1648	10-Dec-91	12:43:23	0.3053	0.231
33582.530135	0.530135	6.172	10-Dec-91	12:43:24	0.3082	0.224
33582.530139	0.530139	6.1793	10-Dec-91	12:43:24	0.3139	0.217
33582.530141	0.530141	6.1793	10-Dec-91	12:43:24	0.3168	0.217
33582.530145	0.530145	6.1865	10-Dec-91	12:43:25	0.3226	0.209
33582.530147	0.530147	6.1865	10-Dec-91	12:43:25	0.3254	0.209
33582.530152	0.530152	6.1937	10-Dec-91	12:43:25	0.3326	0.202
33582.530154	0.530154	6.2009	10-Dec-91	12:43:25	0.3355	0.195
33582.530157	0.530157	6.1937	10-Dec-91	12:43:26	0.3398	0.202
33582.53016	0.53016	6.2009	10-Dec-91	12:43:26	0.3442	0.195
33582.530162	0.530162	6.2009	10-Dec-91	12:43:26	0.3470	0.195
33582.530166	0.530166	6.2081	10-Dec-91	12:43:26	0.3528	0.188
33582.530168	0.530168	6.2081	10-Dec-91	12:43:27	0.3557	0.188
33582.530172	0.530172	6.2153	10-Dec-91	12:43:27	0.3614	0.181
33582.530175	0.530175	6.2153	10-Dec-91	12:43:27	0.3658	0.181
33582.530178	0.530178	6.2153	10-Dec-91	12:43:27	0.3701	0.181
33582.530181	0.530181	6.2153	10-Dec-91	12:43:28	0.3744	0.181
33582.530183	0.530183	6.2153	10-Dec-91	12:43:28	0.3773	0.181
33582.530186	0.530186	6.2226	10-Dec-91	12:43:28	0.3816	0.173
33582.530189	0.530189	6.2226	10-Dec-91	12:43:28	0.3859	0.173
33582.530193	0.530193	6.2226	10-Dec-91	12:43:29	0.3917	0.173
33582.530196	0.530196	6.2298	10-Dec-91	12:43:29	0.3960	0.166
33582.530199	0.530199	6.2298	10-Dec-91	12:43:29	0.4003	0.166
33582.530201	0.530201	6.237	10-Dec-91	12:43:29	0.4032	0.159
33582.530205	0.530205	6.2298	10-Dec-91	12:43:30	0.4090	0.166
33582.530207	0.530207	6.237	10-Dec-91	12:43:30	0.4118	0.159

33582.530209	0.530209	6.237	10-Dec-91	12:43:30	0.4147	0.159
33582.530214	0.530214	6.237	10-Dec-91	12:43:30	0.4219	0.159
33582.530218	0.530218	6.2442	10-Dec-91	12:43:31	0.4277	0.152
33582.53022	0.53022	6.2442	10-Dec-91	12:43:31	0.4306	0.152
33582.530222	0.530222	6.2442	10-Dec-91	12:43:31	0.4334	0.152
33582.530226	0.530226	6.2514	10-Dec-91	12:43:32	0.4392	0.144
33582.530228	0.530228	6.2514	10-Dec-91	12:43:32	0.4421	0.144
33582.53023	0.53023	6.2514	10-Dec-91	12:43:32	0.4450	0.144
33582.530235	0.530235	6.2514	10-Dec-91	12:43:32	0.4522	0.144
33582.530238	0.530238	6.2587	10-Dec-91	12:43:33	0.4565	0.137
33582.530241	0.530241	6.2587	10-Dec-91	12:43:33	0.4608	0.137
33582.530243	0.530243	6.2587	10-Dec-91	12:43:33	0.4637	0.137
33582.530247	0.530247	6.2587	10-Dec-91	12:43:33	0.4694	0.137
33582.530249	0.530249	6.2587	10-Dec-91	12:43:34	0.4723	0.137
33582.530251	0.530251	6.2659	10-Dec-91	12:43:34	0.4752	0.130
33582.530257	0.530257	6.2659	10-Dec-91	12:43:34	0.4838	0.130
33582.530259	0.530259	6.2659	10-Dec-91	12:43:34	0.4867	0.130
33582.530262	0.530262	6.2659	10-Dec-91	12:43:35	0.4910	0.130
33582.530265	0.530265	6.2659	10-Dec-91	12:43:35	0.4954	0.130
33582.530267	0.530267	6.2659	10-Dec-91	12:43:35	0.4982	0.130
33582.53027	0.53027	6.2659	10-Dec-91	12:43:35	0.5026	0.130
33582.530273	0.530273	6.2659	10-Dec-91	12:43:36	0.5069	0.130
33582.530278	0.530278	6.2731	10-Dec-91	12:43:36	0.5141	0.123
33582.53028	0.53028	6.2659	10-Dec-91	12:43:36	0.5170	0.130
33582.530282	0.530282	6.2731	10-Dec-91	12:43:36	0.5198	0.123
33582.530286	0.530286	6.2731	10-Dec-91	12:43:37	0.5256	0.123
33582.530288	0.530288	6.2731	10-Dec-91	12:43:37	0.5285	0.123
33582.530291	0.530291	6.2731	10-Dec-91	12:43:37	0.5328	0.123
33582.530294	0.530294	6.2731	10-Dec-91	12:43:37	0.5371	0.123
33582.530299	0.530299	6.2731	10-Dec-91	12:43:38	0.5443	0.123
33582.530301	0.530301	6.2731	10-Dec-91	12:43:38	0.5472	0.123
33582.530303	0.530303	6.2803	10-Dec-91	12:43:38	0.5501	0.115
33582.530307	0.530307	6.2803	10-Dec-91	12:43:39	0.5558	0.115
33582.530309	0.530309	6.2803	10-Dec-91	12:43:39	0.5587	0.115
33582.530313	0.530313	6.2803	10-Dec-91	12:43:39	0.5645	0.115
33582.530315	0.530315	6.2803	10-Dec-91	12:43:39	0.5674	0.115
33582.530319	0.530319	6.2803	10-Dec-91	12:43:40	0.5731	0.115
33582.530322	0.530322	6.2875	10-Dec-91	12:43:40	0.5774	0.108
33582.530325	0.530325	6.2875	10-Dec-91	12:43:40	0.5818	0.108
33582.530328	0.530328	6.2803	10-Dec-91	12:43:40	0.5861	0.115
33582.53033	0.53033	6.2875	10-Dec-91	12:43:41	0.5890	0.108
33582.530333	0.530333	6.2803	10-Dec-91	12:43:41	0.5933	0.115
33582.530336	0.530336	6.2875	10-Dec-91	12:43:41	0.5976	0.108
33582.53034	0.53034	6.2875	10-Dec-91	12:43:41	0.6034	0.108
33582.530343	0.530343	6.2948	10-Dec-91	12:43:42	0.6077	0.101
33582.530346	0.530346	6.2875	10-Dec-91	12:43:42	0.6120	0.108
33582.530348	0.530348	6.2875	10-Dec-91	12:43:42	0.6149	0.108

33582.530351	0.530351	6.2875	10-Dec-91	12:43:42	0.6192	0.108
33582.530354	0.530354	6.2875	10-Dec-91	12:43:43	0.6235	0.108
33582.530356	0.530356	6.2875	10-Dec-91	12:43:43	0.6264	0.108
33582.530361	0.530361	6.2948	10-Dec-91	12:43:43	0.6336	0.101
33582.530363	0.530363	6.2948	10-Dec-91	12:43:43	0.6365	0.101
33582.530367	0.530367	6.2875	10-Dec-91	12:43:44	0.6422	0.108
33582.530369	0.530369	6.2948	10-Dec-91	12:43:44	0.6451	0.101
33582.530373	0.530373	6.2948	10-Dec-91	12:43:44	0.6509	0.101
33582.530375	0.530375	6.2948	10-Dec-91	12:43:44	0.6538	0.101
33582.530377	0.530377	6.2948	10-Dec-91	12:43:45	0.6566	0.101
33582.530382	0.530382	6.2948	10-Dec-91	12:43:45	0.6638	0.101
33582.530385	0.530385	6.2948	10-Dec-91	12:43:45	0.6682	0.101
33582.530388	0.530388	6.2948	10-Dec-91	12:43:46	0.6725	0.101
33582.53039	0.53039	6.302	10-Dec-91	12:43:46	0.6754	0.094
33582.530394	0.530394	6.2948	10-Dec-91	12:43:46	0.6811	0.101
33582.530396	0.530396	6.2948	10-Dec-91	12:43:46	0.6840	0.101
33582.530398	0.530398	6.2948	10-Dec-91	12:43:46	0.6869	0.101
33582.530403	0.530403	6.302	10-Dec-91	12:43:47	0.6941	0.094
33582.530406	0.530406	6.302	10-Dec-91	12:43:47	0.6984	0.094
33582.530409	0.530409	6.302	10-Dec-91	12:43:47	0.7027	0.094
33582.530411	0.530411	6.302	10-Dec-91	12:43:48	0.7056	0.094
33582.530414	0.530414	6.302	10-Dec-91	12:43:48	0.7099	0.094
33582.530417	0.530417	6.302	10-Dec-91	12:43:48	0.7142	0.094
33582.530419	0.530419	6.302	10-Dec-91	12:43:48	0.7171	0.094
33582.530425	0.530425	6.302	10-Dec-91	12:43:49	0.7258	0.094
33582.530427	0.530427	6.302	10-Dec-91	12:43:49	0.7286	0.094
33582.530429	0.530429	6.302	10-Dec-91	12:43:49	0.7315	0.094
33582.530433	0.530433	6.302	10-Dec-91	12:43:49	0.7373	0.094
33582.530435	0.530435	6.3092	10-Dec-91	12:43:50	0.7402	0.087
33582.530437	0.530437	6.3092	10-Dec-91	12:43:50	0.7430	0.087
33582.530441	0.530441	6.3092	10-Dec-91	12:43:50	0.7488	0.087
33582.530446	0.530446	6.3092	10-Dec-91	12:43:51	0.7560	0.087
33582.530448	0.530448	6.3092	10-Dec-91	12:43:51	0.7589	0.087
33582.53045	0.53045	6.3092	10-Dec-91	12:43:51	0.7618	0.087
33582.530454	0.530454	6.3092	10-Dec-91	12:43:51	0.7675	0.087
33582.530456	0.530456	6.3092	10-Dec-91	12:43:51	0.7704	0.087
33582.530458	0.530458	6.3092	10-Dec-91	12:43:52	0.7733	0.087
33582.530462	0.530462	6.3092	10-Dec-91	12:43:52	0.7790	0.087
33582.530466	0.530466	6.3092	10-Dec-91	12:43:52	0.7848	0.087
33582.530469	0.530469	6.3092	10-Dec-91	12:43:53	0.7891	0.087
33582.530471	0.530471	6.3164	10-Dec-91	12:43:53	0.7920	0.079
33582.530475	0.530475	6.3092	10-Dec-91	12:43:53	0.7978	0.087
33582.530477	0.530477	6.3092	10-Dec-91	12:43:53	0.8006	0.087
33582.53048	0.53048	6.3092	10-Dec-91	12:43:53	0.8050	0.087
33582.530483	0.530483	6.3164	10-Dec-91	12:43:54	0.8093	0.079
33582.530487	0.530487	6.3164	10-Dec-91	12:43:54	0.8150	0.079
33582.53049	0.53049	6.3164	10-Dec-91	12:43:54	0.8194	0.079

33582.530493	0.530493	6.3164	10-Dec-91	12:43:55	0.8237	0.079
33582.530495	0.530495	6.3164	10-Dec-91	12:43:55	0.8266	0.079
33582.530498	0.530498	6.3164	10-Dec-91	12:43:55	0.8309	0.079
33582.530501	0.530501	6.3164	10-Dec-91	12:43:55	0.8352	0.079
33582.530503	0.530503	6.3164	10-Dec-91	12:43:55	0.8381	0.079
33582.530508	0.530508	6.3164	10-Dec-91	12:43:56	0.8453	0.079
33582.53051	0.53051	6.3164	10-Dec-91	12:43:56	0.8482	0.079
33582.530514	0.530514	6.3236	10-Dec-91	12:43:56	0.8539	0.072
33582.530516	0.530516	6.3164	10-Dec-91	12:43:57	0.8568	0.079
33582.530519	0.530519	6.3164	10-Dec-91	12:43:57	0.8611	0.079
33582.530522	0.530522	6.3164	10-Dec-91	12:43:57	0.8654	0.079
33582.530524	0.530524	6.3164	10-Dec-91	12:43:57	0.8683	0.079
33582.530529	0.530529	6.3164	10-Dec-91	12:43:58	0.8755	0.079
33582.530531	0.530531	6.3236	10-Dec-91	12:43:58	0.8784	0.072
33582.530535	0.530535	6.3164	10-Dec-91	12:43:58	0.8842	0.079
33582.530537	0.530537	6.3164	10-Dec-91	12:43:58	0.8870	0.079
33582.530541	0.530541	6.3236	10-Dec-91	12:43:59	0.8928	0.072
33582.530543	0.530543	6.3236	10-Dec-91	12:43:59	0.8957	0.072
33582.530545	0.530545	6.3236	10-Dec-91	12:43:59	0.8986	0.072
33582.53055	0.53055	6.3236	10-Dec-91	12:44:00	0.9058	0.072
33582.530553	0.530553	6.3236	10-Dec-91	12:44:00	0.9101	0.072
33582.530556	0.530556	6.3236	10-Dec-91	12:44:00	0.9144	0.072
33582.530558	0.530558	6.3236	10-Dec-91	12:44:00	0.9173	0.072
33582.530561	0.530561	6.3236	10-Dec-91	12:44:00	0.9216	0.072
33582.530564	0.530564	6.3236	10-Dec-91	12:44:01	0.9259	0.072
33582.530566	0.530566	6.3236	10-Dec-91	12:44:01	0.9288	0.072
33582.530571	0.530571	6.3236	10-Dec-91	12:44:01	0.9360	0.072
33582.530574	0.530574	6.3236	10-Dec-91	12:44:02	0.9403	0.072
33582.530576	0.530576	6.3236	10-Dec-91	12:44:02	0.9432	0.072
33582.530579	0.530579	6.3308	10-Dec-91	12:44:02	0.9475	0.065
33582.530582	0.530582	6.3236	10-Dec-91	12:44:02	0.9518	0.072
33582.530584	0.530584	6.3236	10-Dec-91	12:44:02	0.9547	0.072
33582.530588	0.530588	6.3236	10-Dec-91	12:44:03	0.9605	0.072
33582.530593	0.530593	6.3308	10-Dec-91	12:44:03	0.9677	0.065
33582.530595	0.530595	6.3236	10-Dec-91	12:44:03	0.9706	0.072
33582.530597	0.530597	6.3308	10-Dec-91	12:44:04	0.9734	0.065
33582.530601	0.530601	6.3308	10-Dec-91	12:44:04	0.9792	0.065
33582.530603	0.530603	6.3236	10-Dec-91	12:44:04	0.9821	0.072
33582.530605	0.530605	6.3308	10-Dec-91	12:44:04	0.9850	0.065
33582.530609	0.530609	6.3308	10-Dec-91	12:44:05	0.9907	0.065
33582.530613	0.530613	6.3308	10-Dec-91	12:44:05	0.9965	0.065
33582.530616	0.530616	6.3308	10-Dec-91	12:44:05	1.0008	0.065
33582.530618	0.530618	6.3308	10-Dec-91	12:44:05	1.0037	0.065
33582.530622	0.530622	6.3308	10-Dec-91	12:44:06	1.0094	0.065
33582.530624	0.530624	6.3308	10-Dec-91	12:44:06	1.0123	0.065
33582.530626	0.530626	6.3308	10-Dec-91	12:44:06	1.0152	0.065
33582.53063	0.53063	6.3308	10-Dec-91	12:44:06	1.0210	0.065

33582.530634	0.530634	6.3308	10-Dec-91	12:44:07	1.0267	0.065
33582.530637	0.530637	6.3308	10-Dec-91	12:44:07	1.0310	0.065
33582.530639	0.530639	6.3308	10-Dec-91	12:44:07	1.0339	0.065
33582.530642	0.530642	6.3308	10-Dec-91	12:44:07	1.0382	0.065
33582.530645	0.530645	6.3308	10-Dec-91	12:44:08	1.0426	0.065
33582.530648	0.530648	6.3308	10-Dec-91	12:44:08	1.0469	0.065
33582.53065	0.53065	6.3308	10-Dec-91	12:44:08	1.0498	0.065
33582.530655	0.530655	6.3308	10-Dec-91	12:44:09	1.0570	0.065
33582.530657	0.530657	6.3308	10-Dec-91	12:44:09	1.0598	0.065
33582.530661	0.530661	6.3308	10-Dec-91	12:44:09	1.0656	0.065
33582.530663	0.530663	6.3308	10-Dec-91	12:44:09	1.0685	0.065
33582.530666	0.530666	6.3308	10-Dec-91	12:44:10	1.0728	0.065
33582.530669	0.530669	6.3308	10-Dec-91	12:44:10	1.0771	0.065
33582.530671	0.530671	6.3308	10-Dec-91	12:44:10	1.0800	0.065
33582.530676	0.530676	6.3308	10-Dec-91	12:44:10	1.0872	0.065
33582.530678	0.530678	6.3308	10-Dec-91	12:44:11	1.0901	0.065
33582.530682	0.530682	6.3308	10-Dec-91	12:44:11	1.0958	0.065
33582.530684	0.530684	6.3308	10-Dec-91	12:44:11	1.0987	0.065
33582.530686	0.530686	6.3308	10-Dec-91	12:44:11	1.1016	0.065
33582.53069	0.53069	6.3308	10-Dec-91	12:44:12	1.1074	0.065
33582.530692	0.530692	6.3308	10-Dec-91	12:44:12	1.1102	0.065
33582.530697	0.530697	6.3381	10-Dec-91	12:44:12	1.1174	0.058
33582.530699	0.530699	6.3381	10-Dec-91	12:44:12	1.1203	0.058
33582.530703	0.530703	6.3381	10-Dec-91	12:44:13	1.1261	0.058
33582.530705	0.530705	6.3381	10-Dec-91	12:44:13	1.1290	0.058
33582.530708	0.530708	6.3381	10-Dec-91	12:44:13	1.1333	0.058
33582.530711	0.530711	6.3381	10-Dec-91	12:44:13	1.1376	0.058
33582.530713	0.530713	6.3381	10-Dec-91	12:44:14	1.1405	0.058
33582.530718	0.530718	6.3381	10-Dec-91	12:44:14	1.1477	0.058
33582.530721	0.530721	6.3381	10-Dec-91	12:44:14	1.1520	0.058
33582.530723	0.530723	6.3381	10-Dec-91	12:44:14	1.1549	0.058
33582.530726	0.530726	6.3381	10-Dec-91	12:44:15	1.1592	0.058
33582.530729	0.530729	6.3381	10-Dec-91	12:44:15	1.1635	0.058
33582.530731	0.530731	6.3381	10-Dec-91	12:44:15	1.1664	0.058
33582.530734	0.530734	6.3381	10-Dec-91	12:44:15	1.1707	0.058
33582.530738	0.530738	6.3381	10-Dec-91	12:44:16	1.1765	0.058
33582.530742	0.530742	6.3453	10-Dec-91	12:44:16	1.1822	0.051
33582.530744	0.530744	6.3381	10-Dec-91	12:44:16	1.1851	0.058
33582.530747	0.530747	6.3453	10-Dec-91	12:44:17	1.1894	0.051
33582.53075	0.53075	6.3381	10-Dec-91	12:44:17	1.1938	0.058
33582.530752	0.530752	6.3381	10-Dec-91	12:44:17	1.1966	0.058
33582.530755	0.530755	6.3381	10-Dec-91	12:44:17	1.2010	0.058
33582.53076	0.53076	6.3381	10-Dec-91	12:44:18	1.2082	0.058
33582.530763	0.530763	6.3381	10-Dec-91	12:44:18	1.2125	0.058
33582.530765	0.530765	6.3381	10-Dec-91	12:44:18	1.2154	0.058
33582.530769	0.530769	6.3381	10-Dec-91	12:44:18	1.2211	0.058
33582.530771	0.530771	6.3381	10-Dec-91	12:44:19	1.2240	0.058

33582.530773	0.530773	6.3381	10-Dec-91	12:44:19	1.2269	0.058
33582.530777	0.530777	6.3453	10-Dec-91	12:44:19	1.2326	0.051
33582.530781	0.530781	6.3453	10-Dec-91	12:44:19	1.2384	0.051
33582.530784	0.530784	6.3381	10-Dec-91	12:44:20	1.2427	0.058
33582.530786	0.530786	6.3381	10-Dec-91	12:44:20	1.2456	0.058
33582.530789	0.530789	6.3381	10-Dec-91	12:44:20	1.2499	0.058
33582.530792	0.530792	6.3381	10-Dec-91	12:44:20	1.2542	0.058
33582.530794	0.530794	6.3453	10-Dec-91	12:44:21	1.2571	0.051
33582.530797	0.530797	6.3381	10-Dec-91	12:44:21	1.2614	0.058
33582.530802	0.530802	6.3381	10-Dec-91	12:44:21	1.2686	0.058
33582.530804	0.530804	6.3453	10-Dec-91	12:44:21	1.2715	0.051
33582.530807	0.530807	6.3381	10-Dec-91	12:44:22	1.2758	0.058
33582.53081	0.53081	6.3381	10-Dec-91	12:44:22	1.2802	0.058
33582.530813	0.530813	6.3453	10-Dec-91	12:44:22	1.2845	0.051
33582.530816	0.530816	6.3453	10-Dec-91	12:44:23	1.2888	0.051
33582.530818	0.530818	6.3453	10-Dec-91	12:44:23	1.2917	0.051
33582.530823	0.530823	6.3381	10-Dec-91	12:44:23	1.2989	0.058
33582.530825	0.530825	6.3381	10-Dec-91	12:44:23	1.3018	0.058
33582.530829	0.530829	6.3453	10-Dec-91	12:44:24	1.3075	0.051
33582.530831	0.530831	6.3381	10-Dec-91	12:44:24	1.3104	0.058
33582.530833	0.530833	6.3453	10-Dec-91	12:44:24	1.3133	0.051
33582.530837	0.530837	6.3453	10-Dec-91	12:44:24	1.3190	0.051
33582.530839	0.530839	6.3453	10-Dec-91	12:44:24	1.3219	0.051
33582.530844	0.530844	6.3453	10-Dec-91	12:44:25	1.3291	0.051
33582.530846	0.530846	6.3453	10-Dec-91	12:44:25	1.3320	0.051
33582.53085	0.53085	6.3381	10-Dec-91	12:44:25	1.3378	0.058
33582.530852	0.530852	6.3453	10-Dec-91	12:44:26	1.3406	0.051
33582.530854	0.530854	6.3381	10-Dec-91	12:44:26	1.3435	0.058
33582.530858	0.530858	6.3453	10-Dec-91	12:44:26	1.3493	0.051
33582.53086	0.53086	6.3453	10-Dec-91	12:44:26	1.3522	0.051
33582.530865	0.530865	6.3381	10-Dec-91	12:44:27	1.3594	0.058
33582.530867	0.530867	6.3453	10-Dec-91	12:44:27	1.3622	0.051
33582.53087	0.53087	6.3381	10-Dec-91	12:44:27	1.3666	0.058
33582.530873	0.530873	6.3453	10-Dec-91	12:44:27	1.3709	0.051
33582.530876	0.530876	6.3453	10-Dec-91	12:44:28	1.3752	0.051
33582.530878	0.530878	6.3453	10-Dec-91	12:44:28	1.3781	0.051
33582.530881	0.530881	6.3453	10-Dec-91	12:44:28	1.3824	0.051
33582.530885	0.530885	6.3453	10-Dec-91	12:44:28	1.3882	0.051
33582.530889	0.530889	6.3453	10-Dec-91	12:44:29	1.3939	0.051
33582.530891	0.530891	6.3453	10-Dec-91	12:44:29	1.3968	0.051
33582.530894	0.530894	6.3453	10-Dec-91	12:44:29	1.4011	0.051
33582.530897	0.530897	6.3453	10-Dec-91	12:44:30	1.4054	0.051
33582.530899	0.530899	6.3453	10-Dec-91	12:44:30	1.4083	0.051
33582.530902	0.530902	6.3453	10-Dec-91	12:44:30	1.4126	0.051
33582.530906	0.530906	6.3453	10-Dec-91	12:44:30	1.4184	0.051
33582.53091	0.53091	6.3453	10-Dec-91	12:44:31	1.4242	0.051
33582.530912	0.530912	6.3453	10-Dec-91	12:44:31	1.4270	0.051

33582.530914	0.530914	6.3525	10-Dec-91	12:44:31	1.4299	0.043
33582.530918	0.530918	6.3453	10-Dec-91	12:44:31	1.4357	0.051
33582.53092	0.53092	6.3453	10-Dec-91	12:44:31	1.4386	0.051
33582.530922	0.530922	6.3525	10-Dec-91	12:44:32	1.4414	0.043
33582.530928	0.530928	6.3525	10-Dec-91	12:44:32	1.4501	0.043
33582.530931	0.530931	6.3525	10-Dec-91	12:44:32	1.4544	0.043
33582.530933	0.530933	6.3453	10-Dec-91	12:44:33	1.4573	0.051
33582.530936	0.530936	6.3453	10-Dec-91	12:44:33	1.4616	0.051
33582.530939	0.530939	6.3453	10-Dec-91	12:44:33	1.4659	0.051
33582.530941	0.530941	6.3453	10-Dec-91	12:44:33	1.4688	0.051
33582.530944	0.530944	6.3453	10-Dec-91	12:44:34	1.4731	0.051
33582.530949	0.530949	6.3525	10-Dec-91	12:44:34	1.4803	0.043
33582.530951	0.530951	6.3525	10-Dec-91	12:44:34	1.4832	0.043
33582.530954	0.530954	6.3525	10-Dec-91	12:44:34	1.4875	0.043
33582.530957	0.530957	6.3525	10-Dec-91	12:44:35	1.4918	0.043
33582.530959	0.530959	6.3453	10-Dec-91	12:44:35	1.4947	0.051
33582.530962	0.530962	6.3453	10-Dec-91	12:44:35	1.4990	0.051
33582.530965	0.530965	6.3525	10-Dec-91	12:44:35	1.5034	0.043
33582.53097	0.53097	6.3525	10-Dec-91	12:44:36	1.5106	0.043
33582.530972	0.530972	6.3525	10-Dec-91	12:44:36	1.5134	0.043
33582.530975	0.530975	6.3453	10-Dec-91	12:44:36	1.5178	0.051
33582.530978	0.530978	6.3453	10-Dec-91	12:44:36	1.5221	0.051
33582.53098	0.53098	6.3525	10-Dec-91	12:44:37	1.5250	0.043
33582.530984	0.530984	6.3525	10-Dec-91	12:44:37	1.5307	0.043
33582.530986	0.530986	6.3525	10-Dec-91	12:44:37	1.5336	0.043
33582.530991	0.530991	6.3525	10-Dec-91	12:44:38	1.5408	0.043
33582.530993	0.530993	6.3525	10-Dec-91	12:44:38	1.5437	0.043
33582.530997	0.530997	6.3525	10-Dec-91	12:44:38	1.5494	0.043
33582.530999	0.530999	6.3525	10-Dec-91	12:44:38	1.5523	0.043
33582.531001	0.531001	6.3525	10-Dec-91	12:44:38	1.5552	0.043
33582.531005	0.531005	6.3453	10-Dec-91	12:44:39	1.5610	0.051
33582.531007	0.531007	6.3525	10-Dec-91	12:44:39	1.5638	0.043
33582.531012	0.531012	6.3453	10-Dec-91	12:44:39	1.5710	0.051
33582.531014	0.531014	6.3525	10-Dec-91	12:44:40	1.5739	0.043
33582.531017	0.531017	6.3525	10-Dec-91	12:44:40	1.5782	0.043
33582.53102	0.53102	6.3525	10-Dec-91	12:44:40	1.5826	0.043
33582.531022	0.531022	6.3453	10-Dec-91	12:44:40	1.5854	0.051
33582.531025	0.531025	6.3525	10-Dec-91	12:44:41	1.5898	0.043
33582.531028	0.531028	6.3525	10-Dec-91	12:44:41	1.5941	0.043
33582.531032	0.531032	6.3525	10-Dec-91	12:44:41	1.5998	0.043
33582.531035	0.531035	6.3525	10-Dec-91	12:44:41	1.6042	0.043
33582.531038	0.531038	6.3525	10-Dec-91	12:44:42	1.6085	0.043
33582.531041	0.531041	6.3597	10-Dec-91	12:44:42	1.6128	0.036
33582.531044	0.531044	6.3525	10-Dec-91	12:44:42	1.6171	0.043
33582.531046	0.531046	6.3525	10-Dec-91	12:44:42	1.6200	0.043
33582.531049	0.531049	6.3525	10-Dec-91	12:44:43	1.6243	0.043
33582.531053	0.531053	6.3597	10-Dec-91	12:44:43	1.6301	0.036

33582.531057	0.531057	6.3525	10-Dec-91	12:44:43	1.6358	0.043
33582.531059	0:531059	6.3525	10-Dec-91	12:44:43	1.6387	0.043
33582.531061	0.531061	6.3525	10-Dec-91	12:44:44	1.6416	0.043
33582.531065	0.531065	6.3525	10-Dec-91	12:44:44	1.6474	0.043
33582.531067	0.531067	6.3525	10-Dec-91	12:44:44	1.6502	0.043
33582.531069	0.531069	6.3525	10-Dec-91	12:44:44	1.6531	0.043
33582.531074	0.531074	6.3525	10-Dec-91	12:44:45	1.6603	0.043
33582.531078	0.531078	6.3525	10-Dec-91	12:44:45	1.6661	0.043
33582.53108	0.53108	6.3525	10-Dec-91	12:44:45	1.6690	0.043
33582.531082	0.531082	6.3525	10-Dec-91	12:44:45	1.6718	0.043
33582.531086	0.531086	6.3525	10-Dec-91	12:44:46	1.6776	0.043
33582.531088	0.531088	6.3525	10-Dec-91	12:44:46	1.6805	0.043
33582.53109	0.53109	6.3525	10-Dec-91	12:44:46	1.6834	0.043
33582.531096	0.531096	6.3597	10-Dec-91	12:44:47	1.6920	0.036
33582.531098	0.531098	6.3597	10-Dec-91	12:44:47	1.6949	0.036
33582.531101	0.531101	6.3597	10-Dec-91	12:44:47	1.6992	0.036
33582.531104	0.531104	6.3597	10-Dec-91	12:44:47	1.7035	0.036
33582.531106	0.531106	6.3597	10-Dec-91	12:44:48	1.7064	0.036
33582.531109	0.531109	6.3525	10-Dec-91	12:44:48	1.7107	0.043
33582.531112	0.531112	6.3525	10-Dec-91	12:44:48	1.7150	0.043
33582.531117	0.531117	6.3525	10-Dec-91	12:44:49	1.7222	0.043
33582.531119	0.531119	6.3525	10-Dec-91	12:44:49	1.7251	0.043
33582.531122	0.531122	6.3597	10-Dec-91	12:44:49	1.7294	0.036
33582.531125	0.531125	6.3597	10-Dec-91	12:44:49	1.7338	0.036
33582.531127	0.531127	6.3525	10-Dec-91	12:44:49	1.7366	0.043
33582.53113	0.53113	6.3597	10-Dec-91	12:44:50	1.7410	0.036
33582.531133	0.531133	6.3525	10-Dec-91	12:44:50	1.7453	0.043
33582.531138	0.531138	6.3597	10-Dec-91	12:44:50	1.7525	0.036
33582.53114	0.53114	6.3597	10-Dec-91	12:44:50	1.7554	0.036
33582.531142	0.531142	6.3525	10-Dec-91	12:44:51	1.7582	0.043
33582.531146	0.531146	6.3597	10-Dec-91	12:44:51	1.7640	0.036
33582.531148	0.531148	6.3597	10-Dec-91	12:44:51	1.7669	0.036
33582.531152	0.531152	6.3597	10-Dec-91	12:44:52	1.7726	0.036
33582.531154	0.531154	6.3525	10-Dec-91	12:44:52	1.7755	0.043
33582.531159	0.531159	6.3597	10-Dec-91	12:44:52	1.7827	0.036
33582.531161	0.531161	6.3597	10-Dec-91	12:44:52	1.7856	0.036
33582.531164	0.531164	6.3525	10-Dec-91	12:44:53	1.7899	0.043
33582.531167	0.531167	6.3525	10-Dec-91	12:44:53	1.7942	0.043
33582.531169	0.531169	6.3525	10-Dec-91	12:44:53	1.7971	0.043
33582.531172	0.531172	6.3597	10-Dec-91	12:44:53	1.8014	0.036
33582.531175	0.531175	6.3597	10-Dec-91	12:44:54	1.8058	0.036
33582.531179	0.531179	6.3597	10-Dec-91	12:44:54	1.8115	0.036
33582.531182	0.531182	6.3597	10-Dec-91	12:44:54	1.8158	0.036
33582.531185	0.531185	6.3597	10-Dec-91	12:44:54	1.8202	0.036
33582.531187	0.531187	6.3597	10-Dec-91	12:44:55	1.8230	0.036
33582.53119	0.53119	6.3597	10-Dec-91	12:44:55	1.8274	0.036
33582.531193	0.531193	6.3597	10-Dec-91	12:44:55	1.8317	0.036

33582.531196	0.531196	6.3597	10-Dec-91	12:44:55	1.8360	0 036
33582.5312	0.5312	6.3597	10-Dec-91	12:44:56	1.8418	0.036
33582.531203	0.531203	6.3525	10-Dec-91	12:44:56	1.8461	0.043
33582.531206	0.531206	6.3597	10-Dec-91	12:44:56	1.8504	0.036
33582.531208	0.531208	6.3597	10-Dec-91	12:44:56	1.8533	0.036
33582.531212	0.531212	6.3597	10-Dec-91	12:44:57	1.8590	0.036
33582.531214	0.531214	6.3597	10-Dec-91	12:44:57	1.8619	0.036
33582.531216	0.531216	6.3525	10-Dec-91	12:44:57	1.8648	0.043
33582.531221	0.531221	6.3597	10-Dec-91	12:44:57	1.8720	0.036
33582.531225	0.531225	6.3597	10-Dec-91	12:44:58	1.8778	0.036
33582.531227	0.531227	6.3597	10-Dec-91	12:44:58	1.8806	0.036
33582.531229	0.531229	6.3597	10-Dec-91	12:44:58	1.8835	0.036
33582.531233	0.531233	6.3597	10-Dec-91	12:44:59	1.8893	0.036
33582.531235	0.531235	6.3597	10-Dec-91	12:44:59	1.8922	0.036
33582.531237	0.531237	6.3597	10-Dec-91	12:44:59	1.8950	0.036
33582.531242	0.531242	6.3597	10-Dec-91	12:44:59	1.9022	0.036
33582.531245	0.531245	6.3525	10-Dec-91	12:45:00	1.9066	0.043
33582.531248	0.531248	6.3597	10-Dec-91	12:45:00	1.9109	0.036
33582.53125	0.53125	6.3597	10-Dec-91	12:45:00	1.9138	0.036
33582.531253	0.531253	6.3525	10-Dec-91	12:45:00	1.9181	0.043
33582.531256	0.531256	6.3597	10-Dec-91	12:45:01	1.9224	0.036
33582.531258	0.531258	6.3597	10-Dec-91	12:45:01	1.9253	0.036
33582.531264	0.531264	6.3597	10-Dec-91	12:45:01	1.9339	0.036
33582.531266	0.531266	6.3597	10-Dec-91	12:45:01	1.9368	0.036
33582.531269	0.531269	6.3597	10-Dec-91	12:45:02	1.9411	0.036
33582.531272	0.531272	6.3597	10-Dec-91	12:45:02	1.9454	0.036
33582.531274	0.531274	6.3597	10-Dec-91	12:45:02	1.9483	0.036
33582.531277	0.531277	6.3525	10-Dec-91	12:45:02	1.9526	0.043
33582.53128	0.53128	6.3597	10-Dec-91	12:45:03	1.9570	0.036
33582.531285	0.531285	6.3597	10-Dec-91	12:45:03	1.9642	0.036
33582.531287	0.531287	6.3597	10-Dec-91	12:45:03	1.9670	0.036
33582.531289	0.531289	6.3597	10-Dec-91	12:45:03	1.9699	0.036
33582.531293	0.531293	6.3597	10-Dec-91	12:45:04	1.9757	0.036
33582.531295	0.531295	6.3597	10-Dec-91	12:45:04	1.9786	0.036
33582.531297	0.531297	6.3597	10-Dec-91	12:45:04	1.9814	0.036
33582.531301	0.531301	6.3597	10-Dec-91	12:45:04	1.9872	0.036
33582.531306	0.531306	6.3597	10-Dec-91	12:45:05	1.9944	0.036
33582.531308	0.531308	6.3597	10-Dec-91	12:45:05	1.9973	0.036
33582.53131	0.53131	6.3597	10-Dec-91	12:45:05	2.0002	0.036
33582.531314	0.531314	6.3597	10-Dec-91	12:45:06	2.0059	0.036
33582.531316	0.531316	6.3597	10-Dec-91	12:45:06	2.0088	0.036
33582.531318	0.531318	6.3525	10-Dec-91	12:45:06	2.0117	0.043
33582.531322	0.531322	6.3597	10-Dec-91	12:45:06	2.0174	0.036
33582.531326	0.531326	6.3525	10-Dec-91	12:45:07	2.0232	0.043
33582.531329	0.531329	6.3597	10-Dec-91	12:45:07	2.0275	0.036
33582.531332	0.531332	6.3597	10-Dec-91	12:45:07	2.0318	0.036
33582.531334	0.531334	6.3597	10-Dec-91	12:45:07	2.0347	0.036

33582.531337	0.531337	6.3597	10-Dec-91	12:45:08	2.0390	0.036
33582.53134	0.53134	6.3597	10-Dec-91	12:45:08	2.0434	0.036
33582.531343	0.531343	6.3597	10-Dec-91	12:45:08	2.0477	0.036
33582.531347	0.531347	6.3597	10-Dec-91	12:45:08	2.0534	0.036
33582.53135	0.53135	6.3597	10-Dec-91	12:45:09	2.0578	0.036
33582.531353	0.531353	6.3597	10-Dec-91	12:45:09	2.0621	0.036
33582.531355	0.531355	6.3597	10-Dec-91	12:45:09	2.0650	0.036
33582.531358	0.531358	6.3597	10-Dec-91	12:45:09	2.0693	0.036
33582.531361	0.531361	6.3597	10-Dec-91	12:45:10	2.0736	0.036
33582.531363	0.531363	6.3597	10-Dec-91	12:45:10	2.0765	0.036
33582.531368	0.531368	6.3597	10-Dec-91	12:45:10	2.0837	0.036
33582.53137	0.53137	6.3597	10-Dec-91	12:45:10	2.0866	0.036
33582.531374	0.531374	6.3597	10-Dec-91	12:45:11	2.0923	0.036
33582.531376	0.531376	6.3597	10-Dec-91	12:45:11	2.0952	0.036
33582.53138	0.53138	6.3597	10-Dec-91	12:45:11	2.1010	0.036
33582.531382	0.531382	6.3597	10-Dec-91	12:45:11	2.1038	0.036
33582.531384	0.531384	6.3597	10-Dec-91	12:45:12	2.1067	0.036
33582.531389	0.531389	6.3597	10-Dec-91	12:45:12	2.1139	0.036
33582.531392	0.531392	6.3597	10-Dec-91	12:45:12	2.1182	0.036
33582.531395	0.531395	6.3597	10-Dec-91	12:45:13	2.1226	0.036
33582.531397	0.531397	6.3597	10-Dec-91	12:45:13	2.1254	0.036
33582.5314	0.5314	6.3669	10-Dec-91	12:45:13	2.1298	0.029
33582.531403	0.531403	6.3597	10-Dec-91	12:45:13	2.1341	0.036
33582.531405	0.531405	6.3597	10-Dec-91	12:45:13	2.1370	0.036
33582.53141	0.53141	6.3669	10-Dec-91	12:45:14	2.1442	0.029
33582.531413	0.531413	6.3597	10-Dec-91	12:45:14	2.1485	0.036
33582.531416	0.531416	6.3597	10-Dec-91	12:45:14	2.1528	0.036
33582.531418	0.531418	6.3597	10-Dec-91	12:45:15	2.1557	0.036
33582.531421	0.531421	6.3597	10-Dec-91	12:45:15	2.1600	0.036
33582.531424	0.531424	6.3597	10-Dec-91	12:45:15	2.1643	0.036
33582.531426	0.531426	6.3669	10-Dec-91	12:45:15	2.1672	0.029
33582.531432	0.531432	6.3597	10-Dec-91	12:45:16	2.1758	0.036
33582.531434	0.531434	6.3597	10-Dec-91	12:45:16	2.1787	0.036
33582.531436	0.531436	6.3669	10-Dec-91	12:45:16	2.1816	0.029
33582.53144	0.53144	6.3669	10-Dec-91	12:45:16	2.1874	0.029
33582.531442	0.531442	6.3597	10-Dec-91	12:45:17	2.1902	0.036
33582.531444	0.531444	6.3597	10-Dec-91	12:45:17	2.1931	0.036
33582.531448	0.531448	6.3669	10-Dec-91	12:45:17	2.1989	0.029
33582.531453	0.531453	6.3597	10-Dec-91	12:45:18	2.2061	0.036
33582.531455	0.531455	6.3597	10-Dec-91	12:45:18	2.2090	0.036
33582.531457	0.531457	6.3669	10-Dec-91	12:45:18	2.2118	0.029
33582.531461	0.531461	6.3597	10-Dec-91	12:45:18	2.2176	0.036
33582.531463	0.531463	6.3597	10-Dec-91	12:45:18	2.2205	0.036
33582.531465	0.531465	6.3669	10-Dec-91	12:45:19	2.2234	0.029
33582.531469	0.531469	6.3597	10-Dec-91	12:45:19	2.2291	0.036
33582.531473	0.531473	6.3669	10-Dec-91	12:45:19	2.2349	0.029
33582.531476	0.531476	6.3597	10-Dec-91	12:45:20	2.2392	0.036

33582.531478	0.531478	6.3669	10-Dec-91	12:45:20	2.2421	0.029
33582.531481	0.531481	6.3669	10-Dec-91	12:45:20	2.2464	0.029
33582.531484	0.531484	6.3669	10-Dec-91	12:45:20	2.2507	0.029
33582.531487	0.531487	6.3597	10-Dec-91	12:45:20	2.2550	0.036
33582.53149	0.53149	6.3669	10-Dec-91	12:45:21	2.2594	0.029
33582.531494	0.531494	6.3669	10-Dec-91	12:45:21	2.2651	0.029
33582.531497	0.531497	6.3669	10-Dec-91	12:45:21	2.2694	0.029
33582.5315	0.5315	6.3669	10-Dec-91	12:45:22	2.2738	0.029
33582.531502	0.531502	6.3669	10-Dec-91	12:45:22	2.2766	0.029
33582.531505	0.531505	6.3597	10-Dec-91	12:45:22	2.2810	0.036
33582.531508	0.531508	6.3669	10-Dec-91	12:45:22	2.2853	0.029
33582.53151	0.53151	6.3669	10-Dec-91	12:45:22	2.2882	0.029
33582.531515	0.531515	6.3669	10-Dec-91	12:45:23	2.2954	0.029
33582.531517	0.531517	6.3669	10-Dec-91	12:45:23	2.2982	0.029
33582.531521	0.531521	6.3669	10-Dec-91	12:45:23	2.3040	0.029
33582.531523	0.531523	6.3669	10-Dec-91	12:45:24	2.3069	0.029
33582.531525	0.531525	6.3669	10-Dec-91	12:45:24	2.3098	0.029
33582.531529	0.531529	6.3597	10-Dec-91	12:45:24	2.3155	0.036
33582.531531	0.531531	6.3669	10-Dec-91	12:45:24	2.3184	0.029
33582.531536	0.531536	6.3669	10-Dec-91	12:45:25	2.3256	0.029
33582.531538	0.531538	6.3669	10-Dec-91	12:45:25	2.3285	0.029
33582.531542	0.531542	6.3669	10-Dec-91	12:45:25	2.3342	0.029
33582.531544	0.531544	6.3669	10-Dec-91	12:45:25	2.3371	0.029
33582.531547	0.531547	6.3669	10-Dec-91	12:45:26	2.3414	0.029
33582.53155	0.53155	6.3669	10-Dec-91	12:45:26	2.3458	0.029
33582.531552	0.531552	6.3669	10-Dec-91	12:45:26	2.3486	0.029
33582.531557	0.531557	6.3597	10-Dec-91	12:45:27	2.3558	0.036
33582.53156	0.53156	6.3669	10-Dec-91	12:45:27	2.3602	0.029
33582.531563	0.531563	6.3669	10-Dec-91	12:45:27	2.3645	0.029
33582.531565	0.531565	6.3742	10-Dec-91	12:45:27	2.3674	0.022
33582.531568	0.531568	6.3669	10-Dec-91	12:45:27	2.3717	0.029
33582.531571	0.531571	6.3669	10-Dec-91	12:45:28	2.3760	0.029
33582.531573	0.531573	6.3669	10-Dec-91	12:45:28	2.3789	0.029
33582.531578	0.531578	6.3669	10-Dec-91	12:45:28	2.3861	0.029
33582.531581	0.531581	6.3669	10-Dec-91	12:45:29	2.3904	0.029
33582.531583	0.531583	6.3669	10-Dec-91	12:45:29	2.3933	0.029
33582.531586	0.531586	6.3669	10-Dec-91	12:45:29	2.3976	0.029
33582.531589	0.531589	6.3669	10-Dec-91	12:45:29	2.4019	0.029
33582.531591	0.531591	6.3669	10-Dec-91	12:45:29	2.4048	0.029
33582.531594	0.531594	6.3669	10-Dec-91	12:45:30	2.4091	0.029
33582.5316	0.5316	6.3669	10-Dec-91	12:45:30	2.4178	0.029
33582.531602	0.531602	6.3669	10-Dec-91	12:45:30	2.4206	0.029
33582.531604	0.531604	6.3669	10-Dec-91	12:45:31	2.4235	0.029
33582.531608	0.531608	6.3669	10-Dec-91	12:45:31	2.4293	0.029
33582.53161	0.53161	6.3669	10-Dec-91	12:45:31	2.4322	0.029
33582.531612	0.531612	6.3669	10-Dec-91	12:45:31	2.4350	0.029
33582.531616	0.531616	6.3669	10-Dec-91	12:45:32	2.4408	0.029

33582.53162	0.53162	6.3669	10-Dec-91	12:45:32	2.4466	0.029
33582.531623	0.531623	6.3669	10-Dec-91	12:45:32	2.4509	0.029
33582.531625	0.531625	6.3669	10-Dec-91	12:45:32	2.4538	0.029
33582.531628	0.531628	6.3669	10-Dec-91	12:45:33	2.4581	0.029
33582.531631	0.531631	6.3669	10-Dec-91	12:45:33	2.4624	0.029
33582.531633	0.531633	6.3669	10-Dec-91	12:45:33	2.4653	0.029
33582.531637	0.531637	6.3669	10-Dec-91	12:45:33	2.4710	0.029
33582.531641	0.531641	6.3669	10-Dec-91	12:45:34	2.4768	0.029
33582.531644	0.531644	6.3669	10-Dec-91	12:45:34	2.4811	0.029
33582.531646	0.531646	6.3669	10-Dec-91	12:45:34	2.4840	0.029
33582.531649	0.531649	6.3669	10-Dec-91	12:45:34	2.4883	0.029
33582.531652	0.531652	6.3669	10-Dec-91	12:45:35	2.4926	0.029
33582.531655	0.531655	6.3669	10-Dec-91	12:45:35	2.4970	0.029
33582.531657	0.531657	6.3669	10-Dec-91	12:45:35	2.4998	0.029
33582.531662	0.531662	6.3669	10-Dec-91	12:45:36	2.5070	0.029
33582.531664	0.531664	6.3669	10-Dec-91	12:45:36	2.5099	0.029
33582.531668	0.531668	6.3669	10-Dec-91	12:45:36	2.5157	0.029
33582.53167	0.53167	6.3669	10-Dec-91	12:45:36	2.5186	0.029
33582.531672	0.531672	6.3669	10-Dec-91	12:45:36	2.5214	0.029
33582.531676	0.531676	6.3669	10-Dec-91	12:45:37	2.5272	0.029
33582.531678	0.531678	6.3669	10-Dec-91	12:45:37	2.5301	0.029
33582.531683	0.531683	6.3669	10-Dec-91	12:45:37	2.5373	0.029
33582.531685	0.531685	6.3669	10-Dec-91	12:45:38	2.5402	0.029
33582.531689	0.531689	6.3669	10-Dec-91	12:45:38	2.5459	0.029
33582.531691	0.531691	6.3669	10-Dec-91	12:45:38	2.5488	0.029
33582.531693	0.531693	6.3669	10-Dec-91	12:45:38	2.5517	0.029
33582.531697	0.531697	6.3742	10-Dec-91	12:45:39	2.5574	0.022
33582.531699	0.531699	6.3669	10-Dec-91	12:45:39	2.5603	0.029
33582.531704	0.531704	6.3669	10-Dec-91	12:45:39	2.5675	0.029
33582.531706	0.531706	6.3669	10-Dec-91	12:45:39	2.5704	0.029
33582.531709	0.531709	6.3669	10-Dec-91	12:45:40	2.5747	0.029
33582.531712	0.531712	6.3669	10-Dec-91	12:45:40	2.5790	0.029
33582.531715	0.531715	6.3669	10-Dec-91	12:45:40	2.5834	0.029
33582.531718	0.531718	6.3669	10-Dec-91	12:45:40	2.5877	0.029
33582.53172	0.53172	6.3669	10-Dec-91	12:45:41	2.5906	0.029
33582.531725	0.531725	6.3742	10-Dec-91	12:45:41	2.5978	0.022
33582.531728	0.531728	6.3742	10-Dec-91	12:45:41	2.6021	0.022
33582.53173	0.53173	6.3669	10-Dec-91	12:45:41	2.6050	0.029
33582.531733	0.531733	6.3669	10-Dec-91	12:45:42	2.6093	0.029
33582.531736	0.531736	6.3669	10-Dec-91	12:45:42	2.6136	0.029
33582.531738	0.531738	6.3669	10-Dec-91	12:45:42	2.6165	0.029
33582.531741	0.531741	6.3669	10-Dec-91	12:45:42	2.6208	0.029
33582.531745	0.531745	6.3669	10-Dec-91	12:45:43	2.6266	0.029
33582.531749	0.531749	6.3669	10-Dec-91	12:45:43	2.6323	0.029
33582.531751	0.531751	6.3742	10-Dec-91	12:45:43	2.6352	0.022
33582.531753	0.531753	6.3669	10-Dec-91	12:45:43	2.6381	0.029
33582.531757	0.531757	6.3669	10-Dec-91	12:45:44	2.6438	0.029

33582.531759	0.531759	6.3669	10-Dec-91	12:45:44	2.6467	0.029
33582.531762	0.531762	6.3669	10-Dec-91	12:45:44	2.6510	0.029
33582.531766	0.531766	6.3669	10-Dec-91	12:45:45	2.6568	0.029
33582.53177	0.53177	6.3669	10-Dec-91	12:45:45	2.6626	0.029
33582.531772	0.531772	6.3742	10-Dec-91	12:45:45	2.6654	0.022
33582.531775	0.531775	6.3742	10-Dec-91	12:45:45	2.6698	0.022
33582.531778	0.531778	6.3742	10-Dec-91	12:45:46	2.6741	0.022
33582.53178	0.53178	6.3669	10-Dec-91	12:45:46	2.6770	0.029
33582.531784	0.531784	6.3742	10-Dec-91	12:45:46	2.6827	0.022
33582.531788	0.531788	6.3669	10-Dec-91	12:45:46	2.6885	0.029
33582.531791	0.531791	6.3742	10-Dec-91	12:45:47	2.6928	0.022
33582.531793	0.531793	6.3669	10-Dec-91	12:45:47	2.6957	0.029
33582.531796	0.531796	6.3742	10-Dec-91	12:45:47	2.7000	0.022
33582.531799	0.531799	6.3669	10-Dec-91	12:45:47	2.7043	0.029
33582.531801	0.531801	6.3669	10-Dec-91	12:45:48	2.7072	0.029
33582.531804	0.531804	6.3742	10-Dec-91	12:45:48	2.7115	0.022
33582.531809	0.531809	6.3669	10-Dec-91	12:45:48	2.7187	0.029
33582.531811	0.531811	6.3742	10-Dec-91	12:45:48	2.7216	0.022
33582.531814	0.531814	6.3669	10-Dec-91	12:45:49	2.7259	0.029
33582.531817	0.531817	6.3669	10-Dec-91	12:45:49	2.7302	0.029
33582.531819	0.531819	6.3669	10-Dec-91	12:45:49	2.7331	0.029
33582.531822	0.531822	6.3669	10-Dec-91	12:45:49	2.7374	0.029
33582.531825	0.531825	6.3669	10-Dec-91	12:45:50	2.7418	0.029
33582.53183	0.53183	6.3742	10-Dec-91	12:45:50	2.7490	0.022
33582.531832	0.531832	6.3742	10-Dec-91	12:45:50	2.7518	0.022
33582.531836	0.531836	6.3669	10-Dec-91	12:45:51	2.7576	0.029
33582.531838	0.531838	6.3669	10-Dec-91	12:45:51	2.7605	0.029
33582.53184	0.53184	6.3669	10-Dec-91	12:45:51	2.7634	0.029
33582.531844	0.531844	6.3742	10-Dec-91	12:45:51	2.7691	0.022
33582.531846	0.531846	6.3669	10-Dec-91	12:45:51	2.7720	0.029
33582.531851	0.531851	6.3742	10-Dec-91	12:45:52	2.7792	0.022
33582.531853	0.531853	6.3669	10-Dec-91	12:45:52	2.7821	0.029
33582.531856	0.531856	6.3742	10-Dec-91	12:45:52	2.7864	0.022
33582.531859	0.531859	6.3742	10-Dec-91	12:45:53	2.7907	0.022
33582.531861	0.531861	6.3669	10-Dec-91	12:45:53	2.7936	0.029
33582.531865	0.531865	6.3669	10-Dec-91	12:45:53	2.7994	0.029
33582.531867	0.531867	6.3742	10-Dec-91	12:45:53	2.8022	0.022
33582.531872	0.531872	6.3669	10-Dec-91	12:45:54	2.8094	0.029
33582.531874	0.531874	6.3742	10-Dec-91	12:45:54	2.8123	0.022
33582.531877	0.531877	6.3669	10-Dec-91	12:45:54	2.8166	0.029
33582.53188	0.53188	6.3669	10-Dec-91	12:45:54	2.8210	0.029
33582.531883	0.531883	6.3742	10-Dec-91	12:45:55	2.8253	0.022
33582.531885	0.531885	6.3742	10-Dec-91	12:45:55	2.8282	0.022
33582.531888	0.531888	6.3669	10-Dec-91	12:45:55	2.8325	0.029
33582.531892	0.531892	6.3669	10-Dec-91	12:45:55	2.8382	0.029
33582.531896	0.531896	6.3742	10-Dec-91	12:45:56	2.8440	0.022
33582.531898	0.531898	6.3742	10-Dec-91	12:45:56	2.8469	0.022

33582.5319	0.5319	6.3742	10-Dec-91	12:45:56	2.8498	0.022
33582.531904	0.531904	6.3742	10-Dec-91	12:45:57	2.8555	0.022
33582.531906	0.531906	6.3742	10-Dec-91	12:45:57	2.8584	0.022
33582.531909	0.531909	6.3742	10-Dec-91	12:45:57	2.8627	0.022
33582.531913	0.531913	6.3742	10-Dec-91	12:45:57	2.8685	0.022
33582.531917	0.531917	6.3742	10-Dec-91	12:45:58	2.8742	0.022
33582.531919	0.531919	6.3742	10-Dec-91	12:45:58	2.8771	0.022
33582.531921	0.531921	6.3742	10-Dec-91	12:45:58	2.8800	0.022
33582.531925	0.531925	6.3742	10-Dec-91	12:45:58	2.8858	0.022
33582.531927	0.531927	6.3669	10-Dec-91	12:45:58	2.8886	0.029
33582.531929	0.531929	6.3742	10-Dec-91	12:45:59	2.8915	0.022
33582.531934	0.531934	6.3742	10-Dec-91	12:45:59	2.8987	0.022
33582.531937	0.531937	6.3669	10-Dec-91	12:45:59	2.9030	0.029
33582.53194	0.53194	6.3742	10-Dec-91	12:46:00	2.9074	0.022
33582.531943	0.531943	6.3669	10-Dec-91	12:46:00	2.9117	0.029
33582.531946	0.531946	6.3669	10-Dec-91	12:46:00	2.9160	0.029
33582.531948	0.531948	6.3742	10-Dec-91	12:46:00	2.9189	0.022
33582.531951	0.531951	6.3669	10-Dec-91	12:46:01	2.9232	0.029
33582.531956	0.531956	6.3742	10-Dec-91	12:46:01	2.9304	0.022
33582.531958	0.531958	6.3669	10-Dec-91	12:46:01	2.9333	0.029
33582.531961	0.531961	6.3742	10-Dec-91	12:46:01	2.9376	0.022
33582.531964	0.531964	6.3742	10-Dec-91	12:46:02	2.9419	0.022
33582.531966	0.531966	6.3742	10-Dec-91	12:46:02	2.9448	0.022
33582.531969	0.531969	6.3742	10-Dec-91	12:46:02	2.9491	0.022
33582.531972	0.531972	6.3742	10-Dec-91	12:46:02	2.9534	0.022
33582.531977	0.531977	6.3669	10-Dec-91	12:46:03	2.9606	0.029
33582.531979	0.531979	6.3742	10-Dec-91	12:46:03	2.9635	0.022
33582.531981	0.531981	6.3742	10-Dec-91	12:46:03	2.9664	0.022
33582.531985	0.531985	6.3742	10-Dec-91	12:46:04	2.9722	0.022
33582.531987	0.531987	6.3742	10-Dec-91	12:46:04	2.9750	0.022
33582.53199	0.53199	6.3742	10-Dec-91	12:46:04	2.9794	0.022
33582.531993	0.531993	6.3742	10-Dec-91	12:46:04	2.9837	0.022
33582.531998	0.531998	6.3669	10-Dec-91	12:46:05	2.9909	0.029
33582.532	0.532	6.3742	10-Dec-91	12:46:05	2.9938	0.022
33582.532003	0.532003	6.3742	10-Dec-91	12:46:05	2.9981	0.022
33582.532006	0.532006	6.3742	10-Dec-91	12:46:05	3.0024	0.022
33582.532008	0.532008	6.3742	10-Dec-91	12:46:05	3.0053	0.022
33582.532012	0.532012	6.3742	10-Dec-91	12:46:06	3.0110	0.022
33582.532014	0.532014	6.3742	10-Dec-91	12:46:06	3.0139	0.022
33582.532019	0.532019	6.3669	10-Dec-91	12:46:06	3.0211	0.029
33582.532021	0.532021	6.3742	10-Dec-91	12:46:07	3.0240	0.022
33582.532024	0.532024	6.3669	10-Dec-91	12:46:07	3.0283	0.029
33582.532027	0.532027	6.3742	10-Dec-91	12:46:07	3.0326	0.022
33582.532029	0.532029	6.3669	10-Dec-91	12:46:07	3.0355	0.029
33582.532032	0.532032	6.3669	10-Dec-91	12:46:08	3.0398	0.029
33582.532035	0.532035	6.3669	10-Dec-91	12:46:08	3.0442	0.029
33582.532039	0.532039	6.3742	10-Dec-91	12:46:08	3.0499	0.022

33582.532042	0.532042	6.3742	10-Dec-91	12:46:08	3.0542	0.022
33582.532045	0.532045	6.3669	10-Dec-91	12:46:09	3.0586	0.029
33582.532047	0.532047	6.3742	10-Dec-91	12:46:09	3.0614	0.022
33582.53205	0.53205	6.3742	10-Dec-91	12:46:09	3.0658	0.022
33582.532053	0.532053	6.3669	10-Dec-91	12:46:09	3.0701	0.029
33582.532056	0.532056	6.3742	10-Dec-91	12:46:10	3.0744	0.022
33582.53206	0.53206	6.3669	10-Dec-91	12:46:10	3.0802	0.029
33582.532064	0.532064	6.3742	10-Dec-91	12:46:10	3.0859	0.022
33582.532066	0.532066	6.3742	10-Dec-91	12:46:11	3.0888	0.022
33582.532068	0.532068	6.3742	10-Dec-91	12:46:11	3.0917	0.022
33582.532072	0.532072	6.3742	10-Dec-91	12:46:11	3.0974	0.022
33582.532074	0.532074	6.3742	10-Dec-91	12:46:11	3.1003	0.022
33582.532076	0.532076	6.3742	10-Dec-91	12:46:11	3.1032	0.022
33582.532081	0.532081	6.3742	10-Dec-91	12:46:12	3.1104	0.022
33582.532084	0.532084	6.3742	10-Dec-91	12:46:12	3.1147	0.022
33582.532087	0.532087	6.3742	10-Dec-91	12:46:12	3.1190	0.022
33582.532089	0.532089	6.3742	10-Dec-91	12:46:12	3.1219	0.022
33582.532093	0.532093	6.3742	10-Dec-91	12:46:13	3.1277	0.022
33582.532095	0.532095	6.3669	10-Dec-91	12:46:13	3.1306	0.029
33582.532097	0.532097	6.3669	10-Dec-91	12:46:13	3.1334	0.029
33582.532102	0.532102	6.3742	10-Dec-91	12:46:14	3.1406	0.022
33582.532105	0.532105	6.3669	10-Dec-91	12:46:14	3.1450	0.029
33582.532108	0.532108	6.3669	10-Dec-91	12:46:14	3.1493	0.029
33582.53211	0.53211	6.3669	10-Dec-91	12:46:14	3.1522	0.029
33582.532113	0.532113	6.3742	10-Dec-91	12:46:15	3.1565	0.022
33582.532116	0.532116	6.3742	10-Dec-91	12:46:15	3.1608	0.022
33582.532119	0.532119	6.3669	10-Dec-91	12:46:15	3.1651	0.029
33582.532124	0.532124	6.3669	10-Dec-91	12:46:16	3.1723	0.029
33582.532126	0.532126	6.3669	10-Dec-91	12:46:16	3.1752	0.029
33582.532128	0.532128	6.3669	10-Dec-91	12:46:16	3.1781	0.029
33582.532132	0.532132	6.3669	10-Dec-91	12:46:16	3.1838	0.029
33582.532134	0.532134	6.3742	10-Dec-91	12:46:16	3.1867	0.022
33582.532137	0.532137	6.3742	10-Dec-91	12:46:17	3.1910	0.022
33582.53214	0.53214	6.3742	10-Dec-91	12:46:17	3.1954	0.022
33582.532145	0.532145	6.3669	10-Dec-91	12:46:17	3.2026	0.029
33582.532147	0.532147	6.3814	10-Dec-91	12:46:18	3.2054	0.014
33582.532149	0.532149	6.3742	10-Dec-91	12:46:18	3.2083	0.022
33582.532153	0.532153	6.3669	10-Dec-91	12:46:18	3.2141	0.029
33582.532155	0.532155	6.3669	10-Dec-91	12:46:18	3.2170	0.029
33582.532157	0.532157	6.3742	10-Dec-91	12:46:18	3.2198	0.022
33582.532161	0.532161	6.3814	10-Dec-91	12:46:19	3.2256	0.014
33582.532166	0.532166	6.3814	10-Dec-91	12:46:19	3.2328	0.014
33582.532168	0.532168	6.3742	10-Dec-91	12:46:19	3.2357	0.022
33582.532171	0.532171	6.3742	10-Dec-91	12:46:20	3.2400	0.022
33582.532174	0.532174	6.3742	10-Dec-91	12:46:20	3.2443	0.022
33582.532176	0.532176	6.3742	10-Dec-91	12:46:20	3.2472	0.022
33582.532179	0.532179	6.3742	10-Dec-91	12:46:20	3.2515	0.022

33582.532182	0.532182	6.3742	10-Dec-91	12:46:21	3.2558	0.022
33582.532186	0.532186	6.3742	10-Dec-91	12:46:21	3.2616	0.022
33582.532189	0.532189	6.3669	10-Dec-91	12:46:21	3.2659	0.029
33582.532192	0.532192	6.3669	10-Dec-91	12:46:21	3.2702	0.029
33582.532194	0.532194	6.3669	10-Dec-91	12:46:22	3.2731	0.029
33582.532197	0.532197	6.3669	10-Dec-91	12:46:22	3.2774	0.029
33582.5322	0.5322	6.3742	10-Dec-91	12:46:22	3.2818	0.022
33582.532203	0.532203	6.3742	10-Dec-91	12:46:22	3.2861	0.022
33582.532207	0.532207	6.3742	10-Dec-91	12:46:23	3.2918	0.022
33582.532209	0.532209	6.3669	10-Dec-91	12:46:23	3.2947	0.029
33582.532213	0.532213	6.3669	10-Dec-91	12:46:23	3.3005	0.029
33582.532215	0.532215	6.3742	10-Dec-91	12:46:23	3.3034	0.022
33582.532218	0.532218	6.3742	10-Dec-91	12:46:24	3.3077	0.022
33582.532221	0.532221	6.3742	10-Dec-91	12:46:24	3.3120	0.022
33582.532223	0.532223	6.3669	10-Dec-91	12:46:24	3.3149	0.029
33582.532228	0.532228	6.3742	10-Dec-91	12:46:24	3.3221	0.022
33582.532231	0.532231	6.3742	10-Dec-91	12:46:25	3.3264	0.022
33582.532234	0.532234	6.3742	10-Dec-91	12:46:25	3.3307	0.022
33582.532236	0.532236	6.3742	10-Dec-91	12:46:25	3.3336	0.022
33582.53224	0.53224	6.3742	10-Dec-91	12:46:26	3.3394	0.022
33582.532242	0.532242	6.3669	10-Dec-91	12:46:26	3.3422	0.029
33582.532244	0.532244	6.3742	10-Dec-91	12:46:26	3.3451	0.022
33582.532249	0.532249	6.3742	10-Dec-91	12:46:26	3.3523	0.022
33582.532252	0.532252	6.3742	10-Dec-91	12:46:27	3.3566	0.022
33582.532255	0.532255	6.3742	10-Dec-91	12:46:27	3.3610	0.022
33582.532257	0.532257	6.3669	10-Dec-91	12:46:27	3.3638	0.029
33582.53226	0.53226	6.3742	10-Dec-91	12:46:27	3.3682	0.022
33582.532263	0.532263	6.3742	10-Dec-91	12:46:28	3.3725	0.022
33582.532265	0.532265	6.3742	10-Dec-91	12:46:28	3.3754	0.022
33582.53227	0.53227	6.3742	10-Dec-91	12:46:28	3.3826	0.022
33582.532273	0.532273	6.3742	10-Dec-91	12:46:28	3.3869	0.022
33582.532275	0.532275	6.3742	10-Dec-91	12:46:29	3.3898	0.022
33582.532278	0.532278	6.3742	10-Dec-91	12:46:29	3.3941	0.022
33582.532281	0.532281	6.3669	10-Dec-91	12:46:29	3.3984	0.029
33582.532284	0.532284	6.3814	10-Dec-91	12:46:29	3.4027	0.014
33582.532287	0.532287	6.3742	10-Dec-91	12:46:30	3.4070	0.022
33582.532292	0.532292	6.3742	10-Dec-91	12:46:30	3.4142	0.022
33582.532294	0.532294	6.3742	10-Dec-91	12:46:30	3.4171	0.022
33582.532296	0.532296	6.3742	10-Dec-91	12:46:30	3.4200	0.022
33582.5323	0.5323	6.3742	10-Dec-91	12:46:31	3.4258	0.022
33582.532302	0.532302	6.3742	10-Dec-91	12:46:31	3.4286	0.022
33582.532304	0.532304	6.3742	10-Dec-91	12:46:31	3.4315	0.022
33582.532308	0.532308	6.3742	10-Dec-91	12:46:31	3.4373	0.022
33582.532313	0.532313	6.3742	10-Dec-91	12:46:32	3.4445	0.022
33582.532315	0.532315	6.3742	10-Dec-91	12:46:32	3.4474	0.022
33582.532317	0.532317	6.3742	10-Dec-91	12:46:32	3.4502	0.022
33582.532321	0.532321	6.3742	10-Dec-91	12:46:33	3.4560	0.022

33582.532323	0.532323	6.3742	10-Dec-91	12:46:33	3.4589	0.022
33582.532325	0.532325	6.3742	10-Dec-91	12:46:33	3.4618	0.022
33582.532329	0.532329	6.3742	10-Dec-91	12:46:33	3.4675	0.022
33582.532333	0.532333	6.3669	10-Dec-91	12:46:34	3.4733	0.029
33582.532336	0.532336	6.3742	10-Dec-91	12:46:34	3.4776	0.022
33582.532338	0.532338	6.3669	10-Dec-91	12:46:34	3.4805	0.029
33582.532341	0.532341	6.3669	10-Dec-91	12:46:34	3.4848	0.029
33582.532344	0.532344	6.3742	10-Dec-91	12:46:35	3.4891	0.022
33582.532347	0.532347	6.3669	10-Dec-91	12:46:35	3.4934	0.029
33582.53235	0.53235	6.3669	10-Dec-91	12:46:35	3.4978	0.029
33582.532354	0.532354	6.3742	10-Dec-91	12:46:35	3.5035	0.022
33582.532356	0.532356	6.3669	10-Dec-91	12:46:36	3.5064	0.029
33582.53236	0.53236	6.3742	10-Dec-91	12:46:36	3.5122	0.022
33582.532362	0.532362	6.3669	10-Dec-91	12:46:36	3.5150	0.029
33582.532365	0.532365	6.3742	10-Dec-91	12:46:36	3.5194	0.022
33582.532368	0.532368	6.3742	10-Dec-91	12:46:37	3.5237	0.022
33582.53237	0.53237	6.3742	10-Dec-91	12:46:37	3.5266	0.022
33582.532375	0.532375	6.3814	10-Dec-91	12:46:37	3.5338	0.014
33582.532377	0.532377	6.3742	10-Dec-91	12:46:37	3.5366	0.022
33582.532381	0.532381	6.3742	10-Dec-91	12:46:38	3.5424	0.022
33582.532383	0.532383	6.3742	10-Dec-91	12:46:38	3.5453	0.022
33582.532385	0.532385	6.3742	10-Dec-91	12:46:38	3.5482	0.022
33582.532389	0.532389	6.3742	10-Dec-91	12:46:38	3.5539	0.022
33582.532391	0.532391	6.3742	10-Dec-91	12:46:39	3.5568	0.022
33582.532396	0.532396	6.3742	10-Dec-91	12:46:39	3.5640	0.022
33582.532398	0.532398	6.3742	10-Dec-91	12:46:39	3.5669	0.022
33582.532402	0.532402	6.3958	10-Dec-91	12:46:40	3.5726	0.000
33582.532404	0.532404	6.3742	10-Dec-91	12:46:40	3.5755	0.022
33582.532407	0.532407	6.3669	10-Dec-91	12:46:40	3.5798	0.029
33582.53241	0.53241	6.3742	10-Dec-91	12:46:40	3.5842	0.022
33582.532412	0.532412	6.3742	10-Dec-91	12:46:40	3.5870	0.022
33582.532417	0.532417	6.3742	10-Dec-91	12:46:41	3.5942	0.022
33582.53242	0.53242	6.3742	10-Dec-91	12:46:41	3.5986	0.022
33582.532422	0.532422	6.3742	10-Dec-91	12:46:41	3.6014	0.022
33582.532425	0.532425	6.3742	10-Dec-91	12:46:42	3.6058	0.022
33582.532428	0.532428	6.3742	10-Dec-91	12:46:42	3.6101	0.022
33582.532431	0.532431	6.3742	10-Dec-91	12:46:42	3.6144	0.022
33582.532433	0.532433	6.3742	10-Dec-91	12:46:42	3.6173	0.022
33582.532438	0.532438	6.3742	10-Dec-91	12:46:43	3.6245	0.022
33582.532441	0.532441	6.3742	10-Dec-91	12:46:43	3.6288	0.022
33582.532443	0.532443	6.3742	10-Dec-91	12:46:43	3.6317	0.022
33582.532446	0.532446	6.3742	10-Dec-91	12:46:43	3.6360	0.022
33582.532449	0.532449	6.3742	10-Dec-91	12:46:44	3.6403	0.022
33582.532451	0.532451	6.3742	10-Dec-91	12:46:44	3.6432	0.022
33582.532454	0.532454	6.3742	10-Dec-91	12:46:44	3.6475	0.022
33582.532459	0.532459	6.3742	10-Dec-91	12:46:44	3.6547	0.022
33582.532462	0.532462	6.3742	10-Dec-91	12:46:45	3.6590	0.022

33582.532464	0.532464	6.3742	10-Dec-91	12:46:45	3.6619	0.022
33582.532468	0.532468	6.3742	10-Dec-91	12:46:45	3.6677	0.022
33582.53247	0.53247	6.3742	10-Dec-91	12:46:45	3.6706	0.022
33582.532472	0.532472	6.3669	10-Dec-91	12:46:46	3.6734	0.029
33582.532476	0.532476	6.3742	10-Dec-91	12:46:46	3.6792	0.022
33582.53248	0.53248	6.3742	10-Dec-91	12:46:46	3.6850	0.022
33582.532483	0.532483	6.3742	10-Dec-91	12:46:47	3.6893	0.022
33582.532485	0.532485	6.3742	10-Dec-91	12:46:47	3.6922	0.022
33582.532488	0.532488	6.3742	10-Dec-91	12:46:47	3.6965	0.022
33582.532491	0.532491	6.3742	10-Dec-91	12:46:47	3.7008	0.022
33582.532493	0.532493	6.3742	10-Dec-91	12:46:47	3.7037	0.022
33582.532497	0.532497	6.3742	10-Dec-91	12:46:48	3.7094	0.022
33582.532501	0.532501	6.3742	10-Dec-91	12:46:48	3.7152	0.022
33582.532503	0.532503	6.3742	10-Dec-91	12:46:48	3.7181	0.022
33582.532506	0.532506	6.3742	10-Dec-91	12:46:49	3.7224	0.022
33582.532509	0.532509	6.3669	10-Dec-91	12:46:49	3.7267	0.029
33582.532512	0.532512	6.3742	10-Dec-91	12:46:49	3.7310	0.022
33582.532514	0.532514	6.3742	10-Dec-91	12:46:49	3.7339	0.022
33582.532517	0.532517	6.3742	10-Dec-91	12:46:49	3.7382	0.022
33582.532522	0.532522	6.3669	10-Dec-91	12:46:50	3.7454	0.029
33582.532524	0.532524	6.3742	10-Dec-91	12:46:50	3.7483	0.022
33582.532528	0.532528	6.3742	10-Dec-91	12:46:50	3.7541	0.022
33582.53253	0.53253	6.3669	10-Dec-91	12:46:51	3.7570	0.029
33582.532532	0.532532	6.3742	10-Dec-91	12:46:51	3.7598	0.022
33582.532536	0.532536	6.3742	10-Dec-91	12:46:51	3.7656	0.022
33582.532538	0.532538	6.3742	10-Dec-91	12:46:51	3.7685	0.022
33582.532543	0.532543	6.3742	10-Dec-91	12:46:52	3.7757	0.022
33582.532545	0.532545	6.3742	10-Dec-91	12:46:52	3.7786	0.022
33582.532549	0.532549	6.3742	10-Dec-91	12:46:52	3.7843	0.022
33582.532551	0.532551	6.3669	10-Dec-91	12:46:52	3.7872	0.029
33582.532553	0.532553	6.3669	10-Dec-91	12:46:53	3.7901	0.029
33582.532557	0.532557	6.3742	10-Dec-91	12:46:53	3.7958	0.022
33582.532559	0.532559	6.3742	10-Dec-91	12:46:53	3.7987	0.022
33582.532564	0.532564	6.3669	10-Dec-91	12:46:54	3.8059	0.029
33582.532566	0.532566	6.3669	10-Dec-91	12:46:54	3.8088	0.029
33582.532569	0.532569	6.3742	10-Dec-91	12:46:54	3.8131	0.022
33582.532572	0.532572	6.3669	10-Dec-91	12:46:54	3.8174	0.029
33582.532575	0.532575	6.3742	10-Dec-91	12:46:54	3.8218	0.022
33582.532578	0.532578	6.3742	10-Dec-91	12:46:55	3.8261	0.022
33582.53258	0.53258	6.3742	10-Dec-91	12:46:55	3.8290	0.022
33582.532584	0.532584	6.3742	10-Dec-91	12:46:55	3.8347	0.022
33582.532588	0.532588	6.3742	10-Dec-91	12:46:56	3.8405	0.022
33582.53259	0.53259	6.3742	10-Dec-91	12:46:56	3.8434	0.022
33582.532593	0.532593	6.3742	10-Dec-91	12:46:56	3.8477	0.022
33582.532596	0.532596	6.3742	10-Dec-91	12:46:56	3.8520	0.022
33582.532598	0.532598	6.3742	10-Dec-91	12:46:56	3.8549	0.022
33582.532601	0.532601	6.3742	10-Dec-91	12:46:57	3.8592	0.022

33582.532605	0.532605	6.3669	10-Dec-91	12:46:57	3.8650	0.029
33582.532609	0.532609	6.3742	10-Dec-91	12:46:57	3.8707	0.022
33582.532611	0.532611	6.3742	10-Dec-91	12:46:58	3.8736	0.022
33582.532613	0.532613	6.3669	10-Dec-91	12:46:58	3.8765	0.029
33582.532617	0.532617	6.3669	10-Dec-91	12:46:58	3.8822	0.029
33582.532619	0.532619	6.3669	10-Dec-91	12:46:58	3.8851	0.029
33582.532622	0.532622	6.3742	10-Dec-91	12:46:59	3.8894	0.022
33582.532626	0.532626	6.3742	10-Dec-91	12:46:59	3.8952	0.022
33582.53263	0.53263	6.3742	10-Dec-91	12:46:59	3.9010	0.022
33582.532632	0.532632	6.3742	10-Dec-91	12:46:59	3.9038	0.022
33582.532635	0.532635	6.3742	10-Dec-91	12:47:00	3.9082	0.022
33582.532638	0.532638	6.3742	10-Dec-91	12:47:00	3.9125	0.022
33582.53264	0.53264	6.3742	10-Dec-91	12:47:00	3.9154	0.022
33582.532644	0.532644	6.3742	10-Dec-91	12:47:00	3.9211	0.022
33582.532648	0.532648	6.3742	10-Dec-91	12:47:01	3.9269	0.022
33582.53265	0.53265	6.3742	10-Dec-91	12:47:01	3.9298	0.022
33582.532653	0.532653	6.3669	10-Dec-91	12:47:01	3.9341	0.029
33582.532656	0.532656	6.3742	10-Dec-91	12:47:01	3.9384	0.022
33582.532659	0.532659	6.3742	10-Dec-91	12:47:02	3.9427	0.022
33582.532661	0.532661	6.3742	10-Dec-91	12:47:02	3.9456	0.022
33582.532664	0.532664	6.3742	10-Dec-91	12:47:02	3.9499	0.022
33582.532669	0.532669	6.3742	10-Dec-91	12:47:03	3.9571	0.022
33582.532671	0.532671	6.3742	10-Dec-91	12:47:03	3.9600	0.022
33582.532674	0.532674	6.3669	10-Dec-91	12:47:03	3.9643	0.029
33582.532677	0.532677	6.3814	10-Dec-91	12:47:03	3.9686	0.014
33582.532679	0.532679	6.3742	10-Dec-91	12:47:03	3.9715	0.022
33582.532682	0.532682	6.3742	10-Dec-91	12:47:04	3.9758	0.022
33582.532685	0.532685	6.3742	10-Dec-91	12:47:04	3.9802	0.022
33582.53269	0.53269	6.3742	10-Dec-91	12:47:04	3.9874	0.022
33582.532692	0.532692	6.3742	10-Dec-91	12:47:05	3.9902	0.022
33582.532696	0.532696	6.3597	10-Dec-91	12:47:05	3.9960	0.036
33582.532698	0.532698	6.3669	10-Dec-91	12:47:05	3.9989	0.029
33582.5327	0.5327	6.3669	10-Dec-91	12:47:05	4.0018	0.029
33582.532704	0.532704	6.3669	10-Dec-91	12:47:06	4.0075	0.029
33582.532706	0.532706	6.3669	10-Dec-91	12:47:06	4.0104	0.029
33582.532711	0.532711	6.3669	10-Dec-91	12:47:06	4.0176	0.029
33582.532713	0.532713	6.3669	10-Dec-91	12:47:06	4.0205	0.029
33582.532716	0.532716	6.3669	10-Dec-91	12:47:07	4.0248	0.029
33582.532719	0.532719	6.3669	10-Dec-91	12:47:07	4.0291	0.029
33582.532721	0.532721	6.3669	10-Dec-91	12:47:07	4.0320	0.029
33582.532725	0.532725	6.3669	10-Dec-91	12:47:07	4.0378	0.029
33582.532727	0.532727	6.3669	10-Dec-91	12:47:08	4.0406	0.029
33582.532731	0.532731	6.3597	10-Dec-91	12:47:08	4.0464	0.036
33582.532734	0.532734	6.3597	10-Dec-91	12:47:08	4.0507	0.036
33582.532737	0.532737	6.3597	10-Dec-91	12:47:08	4.0550	0.036
33582.53274	0.53274	6.3597	10-Dec-91	12:47:09	4.0594	0.036
33582.532743	0.532743	6.3597	10-Dec-91	12:47:09	4.0637	0.036

33582.532745	0.532745	6.3669	10-Dec-91	12:47:09	4.0666	0.029
33582.532748	0.532748	6.3597	10-Dec-91	12:47:09	4.0709	0.036
33582.532752	0.532752	6.3814	10-Dec-91	12:47:10	4.0766	0.014
33582.532756	0.532756	6.3669	10-Dec-91	12:47:10	4.0824	0.029
33582.532758	0.532758	6.3669	10-Dec-91	12:47:10	4.0853	0.029
33582.53276	0.53276	6.3669	10-Dec-91	12:47:10	4.0882	0.029
33582.532764	0.532764	6.3669	10-Dec-91	12:47:11	4.0939	0.029
33582.532766	0.532766	6.3669	10-Dec-91	12:47:11	4.0968	0.029
33582.532769	0.532769	6.3669	10-Dec-91	12:47:11	4.1011	0.029
33582.532773	0.532773	6.3669	10-Dec-91	12:47:12	4.1069	0.029
33582.532777	0.532777	6.3669	10-Dec-91	12:47:12	4.1126	0.029
33582.532779	0.532779	6.3669	10-Dec-91	12:47:12	4.1155	0.029
33582.532781	0.532781	6.3669	10-Dec-91	12:47:12	4.1184	0.029
33582.532785	0.532785	6.3669	10-Dec-91	12:47:13	4.1242	0.029
33582.532787	0.532787	6.3669	10-Dec-91	12:47:13	4.1270	0.029
33582.532789	0.532789	6.3742	10-Dec-91	12:47:13	4.1299	0.022
33582.532794	0.532794	6.3669	10-Dec-91	12:47:13	4.1371	0.029
33582.532797	0.532797	6.3742	10-Dec-91	12:47:14	4.1414	0.022
33582.5328	0.5328	6.3742	10-Dec-91	12:47:14	4.1458	0.022
33582.532803	0.532803	6.3742	10-Dec-91	12:47:14	4.1501	0.022
33582.532806	0.532806	6.3669	10-Dec-91	12:47:14	4.1544	0.029
33582.532808	0.532808	6.3742	10-Dec-91	12:47:15	4.1573	0.022
33582.532811	0.532811	6.3742	10-Dec-91	12:47:15	4.1616	0.022
33582.532816	0.532816	6.3742	10-Dec-91	12:47:15	4.1688	0.022
33582.532818	0.532818	6.3742	10-Dec-91	12:47:15	4.1717	0.022
33582.532821	0.532821	6.3669	10-Dec-91	12:47:16	4.1760	0.029
33582.532824	0.532824	6.3669	10-Dec-91	12:47:16	4.1803	0.029
33582.532826	0.532826	6.3742	10-Dec-91	12:47:16	4.1832	0.022
33582.532829	0.532829	6.3669	10-Dec-91	12:47:16	4.1875	0.029
33582.532832	0.532832	6.3742	10-Dec-91	12:47:17	4.1918	0.022
33582.532837	0.532837	6.3669	10-Dec-91	12:47:17	4.1990	0.029
33582.532839	0.532839	6.3742	10-Dec-91	12:47:17	4.2019	0.022
33582.532841	0.532841	6.3742	10-Dec-91	12:47:17	4.2048	0.022
33582.532845	0.532845	6.3742	10-Dec-91	12:47:18	4.2106	0.022
33582.532847	0.532847	6.3669	10-Dec-91	12:47:18	4.2134	0.029
33582.53285	0.53285	6.3669	10-Dec-91	12:47:18	4.2178	0.029
33582.532853	0.532853	6.3814	10-Dec-91	12:47:18	4.2221	0.014
33582.532858	0.532858	6.3742	10-Dec-91	12:47:19	4.2293	0.022
33582.53286	0.53286	6.3742	10-Dec-91	12:47:19	4.2322	0.022
33582.532863	0.532863	6.3742	10-Dec-91	12:47:19	4.2365	0.022
33582.532866	0.532866	6.3742	10-Dec-91	12:47:20	4.2408	0.022
33582.532868	0.532868	6.3742	10-Dec-91	12:47:20	4.2437	0.022
33582.532872	0.532872	6.3742	10-Dec-91	12:47:20	4.2494	0.022
33582.532874	0.532874	6.3742	10-Dec-91	12:47:20	4.2523	0.022
33582.532878	0.532878	6.3742	10-Dec-91	12:47:21	4.2581	0.022
33582.532881	0.532881	6.3669	10-Dec-91	12:47:21	4.2624	0.029
33582.532884	0.532884	6.3742	10-Dec-91	12:47:21	4.2667	0.022

33582.532887	0.532887	6.3742	10-Dec-91	12:47:21	4.2710	0.022
33582.532889	0.532889	6.3742	10-Dec-91	12:47:22	4.2739	0.022
33582.532892	0.532892	6.3742	10-Dec-91	12:47:22	4.2782	0.022
33582.532895	0.532895	6.3669	10-Dec-91	12:47:22	4.2826	0.029
33582.532899	0.532899	6.3742	10-Dec-91	12:47:22	4.2883	0.022
33582.532902	0.532902	6.3742	10-Dec-91	12:47:23	4.2926	0.022
33582.532905	0.532905	6.3742	10-Dec-91	12:47:23	4.2970	0.022
33582.532907	0.532907	6.3742	10-Dec-91	12:47:23	4.2998	0.022
33582.53291	0.53291	6.3669	10-Dec-91	12:47:23	4.3042	0.029
33582.532913	0.532913	6.3742	10-Dec-91	12:47:24	4.3085	0.022
33582.532916	0.532916	6.3669	10-Dec-91	12:47:24	4.3128	0.029
33582.53292	0.53292	6.3669	10-Dec-91	12:47:24	4.3186	0.029
33582.532924	0.532924	6.3742	10-Dec-91	12:47:25	4.3243	0.022
33582.532926	0.532926	6.3742	10-Dec-91	12:47:25	4.3272	0.022
33582.532928	0.532928	6.3742	10-Dec-91	12:47:25	4.3301	0.022
33582.532932	0.532932	6.3669	10-Dec-91	12:47:25	4.3358	0.029
33582.532934	0.532934	6.3669	10-Dec-91	12:47:25	4.3387	0.029
33582.532936	0.532936	6.3742	10-Dec-91	12:47:26	4.3416	0.022
33582.532941	0.532941	6.3742	10-Dec-91	12:47:26	4.3488	0.022
33582.532944	0.532944	6.3742	10-Dec-91	12:47:26	4.3531	0.022
33582.532947	0.532947	6.3742	10-Dec-91	12:47:27	4.3574	0.022
33582.532949	0.532949	6.3669	10-Dec-91	12:47:27	4.3603	0.029
33582.532953	0.532953	6.3742	10-Dec-91	12:47:27	4.3661	0.022
33582.532955	0.532955	6.3742	10-Dec-91	12:47:27	4.3690	0.022
33582.532957	0.532957	6.3742	10-Dec-91	12:47:27	4.3718	0.022
33582.532962	0.532962	6.3742	10-Dec-91	12:47:28	4.3790	0.022
33582.532965	0.532965	6.3669	10-Dec-91	12:47:28	4.3834	0.029
33582.532968	0.532968	6.3742	10-Dec-91	12:47:28	4.3877	0.022
33582.53297	0.53297	6.3742	10-Dec-91	12:47:29	4.3906	0.022
33582.532973	0.532973	6.3742	10-Dec-91	12:47:29	4.3949	0.022
33582.532976	0.532976	6.3742	10-Dec-91	12:47:29	4.3992	0.022
33582.532979	0.532979	6.3742	10-Dec-91	12:47:29	4.4035	0.022
33582.532984	0.532984	6.3742	10-Dec-91	12:47:30	4.4107	0.022
33582.532986	0.532986	6.3742	10-Dec-91	12:47:30	4.4136	0.022
33582.532988	0.532988	6.3742	10-Dec-91	12:47:30	4.4165	0.022
33582.532992	0.532992	6.3742	10-Dec-91	12:47:31	4.4222	0.022
33582.532994	0.532994	6.3742	10-Dec-91	12:47:31	4.4251	0.022
33582.532997	0.532997	6.3742	10-Dec-91	12:47:31	4.4294	0.022
33582.533	0.533	6.3742	10-Dec-91	12:47:31	4.4338	0.022
33582.533005	0.533005	6.3742	10-Dec-91	12:47:32	4.4410	0.022
33582.533007	0.533007	6.3669	10-Dec-91	12:47:32	4.4438	0.029
33582.533009	0.533009	6.3742	10-Dec-91	12:47:32	4.4467	0.022
33582.533013	0.533013	6.3669	10-Dec-91	12:47:32	4.4525	0.029
33582.533015	0.533015	6.3742	10-Dec-91	12:47:32	4.4554	0.022
33582.533017	0.533017	6.3669	10-Dec-91	12:47:33	4.4582	0.029
33582.533021	0.533021	6.3742	10-Dec-91	12:47:33	4.4640	0.022
33582.533025	0.533025	6.3742	10-Dec-91	12:47:33	4.4698	0.022

33582.533028	0.533028	6.3742	10-Dec-91	12:47:34	4.4741	0.022
33582.533031	0.533031	6.3742	10-Dec-91	12:47:34	4.4784	0.022
33582.533034	0.533034	6.3742	10-Dec-91	12:47:34	4.4827	0.022
33582.533036	0.533036	6.3742	10-Dec-91	12:47:34	4.4856	0.022
33582.533039	0.533039	6.3669	10-Dec-91	12:47:35	4.4899	0.029
33582.533042	0.533042	6.3742	10-Dec-91	12:47:35	4.4942	0.022
33582.533046	0.533046	6.3742	10-Dec-91	12:47:35	4.5000	0.022
33582.533049	0.533049	6.3742	10-Dec-91	12:47:35	4.5043	0.022
33582.533052	0.533052	6.3742	10-Dec-91	12:47:36	4.5086	0.022
33582.533054	0.533054	6.3742	10-Dec-91	12:47:36	4.5115	0.022
33582.533057	0.533057	6.3742	10-Dec-91	12:47:36	4.5158	0.022
33582.53306	0.53306	6.3742	10-Dec-91	12:47:36	4.5202	0.022
33582.533062	0.533062	6.3669	10-Dec-91	12:47:37	4.5230	0.029
33582.533067	0.533067	6.3669	10-Dec-91	12:47:37	4.5302	0.029
33582.533069	0.533069	6.3742	10-Dec-91	12:47:37	4.5331	0.022
33582.533073	0.533073	6.3742	10-Dec-91	12:47:38	4.5389	0.022
33582.533075	0.533075	6.3742	10-Dec-91	12:47:38	4.5418	0.022
33582.533078	0.533078	6.3742	10-Dec-91	12:47:38	4.5461	0.022
33582.533081	0.533081	6.3742	10-Dec-91	12:47:38	4.5504	0.022
33582.533083	0.533083	6.3742	10-Dec-91	12:47:38	4.5533	0.022
33582.533088	0.533088	6.3669	10-Dec-91	12:47:39	4.5605	0.029
33582.533091	0.533091	6.3742	10-Dec-91	12:47:39	4.5648	0.022
33582.533094	0.533094	6.3742	10-Dec-91	12:47:39	4.5691	0.022
33582.533096	0.533096	6.3742	10-Dec-91	12:47:39	4.5720	0.022
33582.5331	0.5331	6.3742	10-Dec-91	12:47:40	4.5778	0.022
33582.533102	0.533102	6.3742	10-Dec-91	12:47:40	4.5806	0.022
33582.533104	0.533104	6.3742	10-Dec-91	12:47:40	4.5835	0.022
33582.533109	0.533109	6.3742	10-Dec-91	12:47:41	4.5907	0.022
33582.533112	0.533112	6.3742	10-Dec-91	12:47:41	4.5950	0.022
33582.533115	0.533115	6.3669	10-Dec-91	12:47:41	4.5994	0.029
33582.533117	0.533117	6.3669	10-Dec-91	12:47:41	4.6022	0.029
33582.53312	0.53312	6.3742	10-Dec-91	12:47:42	4.6066	0.022
33582.533123	0.533123	6.3742	10-Dec-91	12:47:42	4.6109	0.022
33582.533125	0.533125	6.3742	10-Dec-91	12:47:42	4.6138	0.022
33582.53313	0.53313	6.3669	10-Dec-91	12:47:42	4.6210	0.029
33582.533133	0.533133	6.3742	10-Dec-91	12:47:43	4.6253	0.022
33582.533135	0.533135	6.3742	10-Dec-91	12:47:43	4.6282	0.022
33582.533138	0.533138	6.3669	10-Dec-91	12:47:43	4.6325	0.029
33582.533141	0.533141	6.3742	10-Dec-91	12:47:43	4.6368	0.022
33582.533144	0.533144	6.3669	10-Dec-91	12:47:44	4.6411	0.029
33582.533147	0.533147	6.3742	10-Dec-91	12:47:44	4.6454	0.022
33582.533152	0.533152	6.3742	10-Dec-91	12:47:44	4.6526	0.022
33582.533154	0.533154	6.3742	10-Dec-91	12:47:45	4.6555	0.022
33582.533156	0.533156	6.3742	10-Dec-91	12:47:45	4.6584	0.022
33582.53316	0.53316	6.3669	10-Dec-91	12:47:45	4.6642	0.029
33582.533162	0.533162	6.3669	10-Dec-91	12:47:45	4.6670	0.029
33582.533164	0.533164	6.3742	10-Dec-91	12:47:45	4.6699	0.022

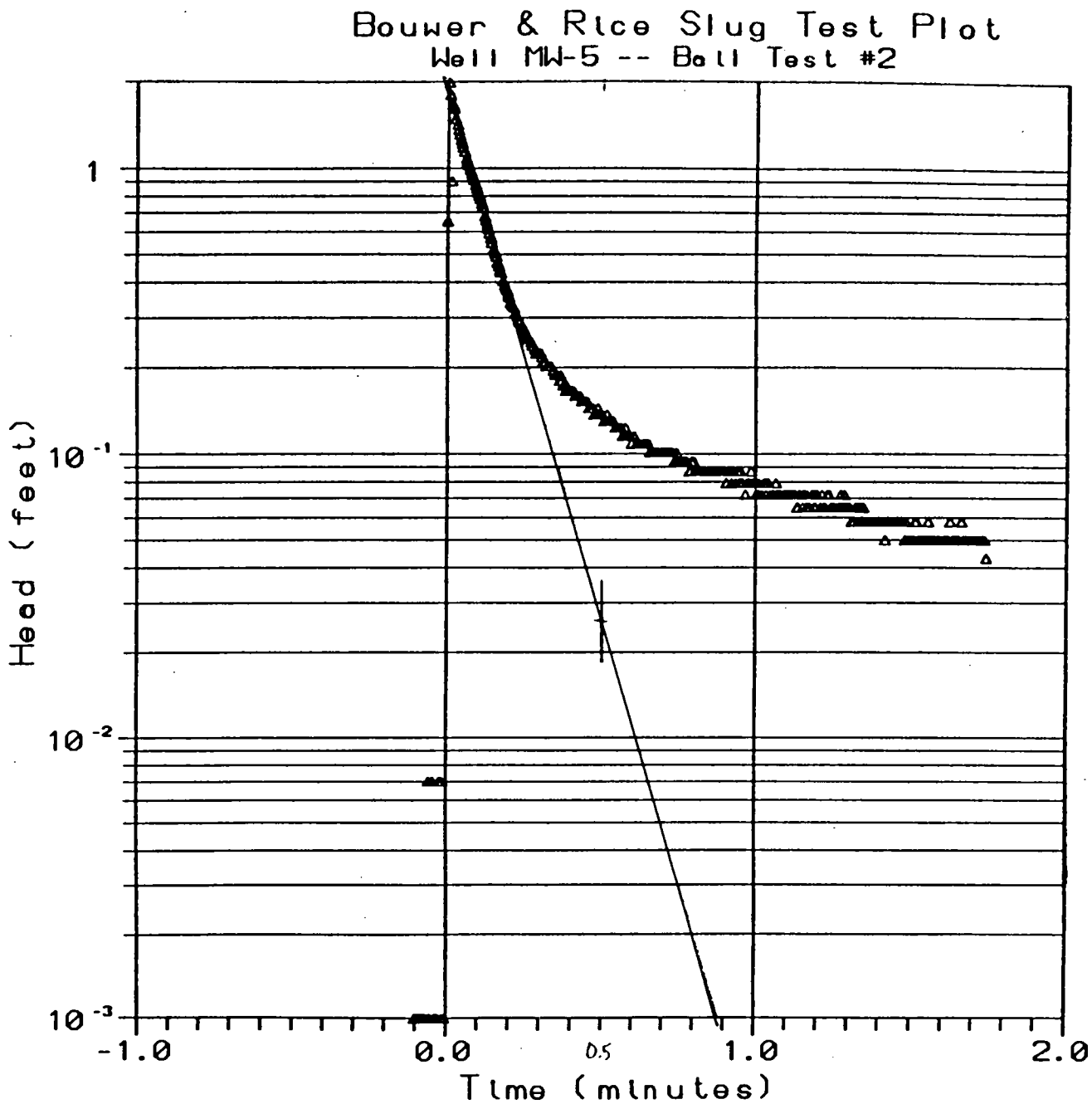
33582.533168	0.533168	6.3742	10-Dec-91	12:47:46	4.6757	0.022
33582.533172	0.533172	6.3742	10-Dec-91	12:47:46	4.6814	0.022
33582.533175	0.533175	6.3742	10-Dec-91	12:47:46	4.6858	0.022
33582.533177	0.533177	6.3669	10-Dec-91	12:47:46	4.6886	0.029
33582.533181	0.533181	6.3669	10-Dec-91	12:47:47	4.6944	0.029
33582.533183	0.533183	6.3742	10-Dec-91	12:47:47	4.6973	0.022
33582.533185	0.533185	6.3742	10-Dec-91	12:47:47	4.7002	0.022
33582.533189	0.533189	6.3669	10-Dec-91	12:47:48	4.7059	0.029
33582.533193	0.533193	6.3742	10-Dec-91	12:47:48	4.7117	0.022
33582.533196	0.533196	6.3742	10-Dec-91	12:47:48	4.7160	0.022
33582.533198	0.533198	6.3742	10-Dec-91	12:47:48	4.7189	0.022
33582.533201	0.533201	6.3742	10-Dec-91	12:47:49	4.7232	0.022
33582.533204	0.533204	6.3742	10-Dec-91	12:47:49	4.7275	0.022
33582.533207	0.533207	6.3669	10-Dec-91	12:47:49	4.7318	0.029
33582.533209	0.533209	6.3669	10-Dec-91	12:47:49	4.7347	0.029
33582.533214	0.533214	6.3742	10-Dec-91	12:47:50	4.7419	0.022
33582.533216	0.533216	6.3742	10-Dec-91	12:47:50	4.7448	0.022
33582.53322	0.53322	6.3742	10-Dec-91	12:47:50	4.7506	0.022
33582.533222	0.533222	6.3669	10-Dec-91	12:47:50	4.7534	0.029
33582.533225	0.533225	6.3742	10-Dec-91	12:47:51	4.7578	0.022
33582.533228	0.533228	6.3742	10-Dec-91	12:47:51	4.7621	0.022
33582.53323	0.53323	6.3669	10-Dec-91	12:47:51	4.7650	0.029
33582.533235	0.533235	6.3742	10-Dec-91	12:47:52	4.7722	0.022
33582.533237	0.533237	6.3742	10-Dec-91	12:47:52	4.7750	0.022
33582.533241	0.533241	6.3742	10-Dec-91	12:47:52	4.7808	0.022
33582.533243	0.533243	6.3742	10-Dec-91	12:47:52	4.7837	0.022
33582.533245	0.533245	6.3669	10-Dec-91	12:47:52	4.7866	0.029
33582.533249	0.533249	6.3742	10-Dec-91	12:47:53	4.7923	0.022
33582.533251	0.533251	6.3742	10-Dec-91	12:47:53	4.7952	0.022
33582.533256	0.533256	6.3669	10-Dec-91	12:47:53	4.8024	0.029
33582.533258	0.533258	6.3742	10-Dec-91	12:47:53	4.8053	0.022
33582.533262	0.533262	6.3669	10-Dec-91	12:47:54	4.8110	0.029
33582.533264	0.533264	6.3669	10-Dec-91	12:47:54	4.8139	0.029
33582.533267	0.533267	6.3669	10-Dec-91	12:47:54	4.8182	0.029
33582.53327	0.53327	6.3669	10-Dec-91	12:47:55	4.8226	0.029
33582.533272	0.533272	6.3742	10-Dec-91	12:47:55	4.8254	0.022
33582.533277	0.533277	6.3742	10-Dec-91	12:47:55	4.8326	0.022
33582.53328	0.53328	6.3742	10-Dec-91	12:47:55	4.8370	0.022
33582.533282	0.533282	6.3669	10-Dec-91	12:47:56	4.8398	0.029
33582.533285	0.533285	6.3742	10-Dec-91	12:47:56	4.8442	0.022
33582.533288	0.533288	6.3742	10-Dec-91	12:47:56	4.8485	0.022
33582.533291	0.533291	6.3669	10-Dec-91	12:47:56	4.8528	0.029
33582.533293	0.533293	6.3742	10-Dec-91	12:47:57	4.8557	0.022
33582.533297	0.533297	6.3669	10-Dec-91	12:47:57	4.8614	0.029
33582.533301	0.533301	6.3669	10-Dec-91	12:47:57	4.8672	0.029
33582.533303	0.533303	6.3669	10-Dec-91	12:47:57	4.8701	0.029
33582.533306	0.533306	6.3669	10-Dec-91	12:47:58	4.8744	0.029

33582.533309	0.533309	6.3742	10-Dec-91	12:47:58	4.8787	0.022
33582.533311	0.533311	6.3742	10-Dec-91	12:47:58	4.8816	0.022
33582.533314	0.533314	6.3742	10-Dec-91	12:47:58	4.8859	0.022
33582.533319	0.533319	6.3742	10-Dec-91	12:47:59	4.8931	0.022
33582.533322	0.533322	6.3742	10-Dec-91	12:47:59	4.8974	0.022
33582.533324	0.533324	6.3742	10-Dec-91	12:47:59	4.9003	0.022
33582.533328	0.533328	6.3742	10-Dec-91	12:48:00	4.9061	0.022
33582.53333	0.53333	6.3742	10-Dec-91	12:48:00	4.9090	0.022
33582.533332	0.533332	6.3742	10-Dec-91	12:48:00	4.9118	0.022
33582.533336	0.533336	6.3669	10-Dec-91	12:48:00	4.9176	0.029
33582.53334	0.53334	6.3742	10-Dec-91	12:48:01	4.9234	0.022
33582.533343	0.533343	6.3742	10-Dec-91	12:48:01	4.9277	0.022
33582.533345	0.533345	6.3742	10-Dec-91	12:48:01	4.9306	0.022
33582.533348	0.533348	6.3742	10-Dec-91	12:48:01	4.9349	0.022
33582.533351	0.533351	6.3669	10-Dec-91	12:48:02	4.9392	0.029
33582.533353	0.533353	6.3669	10-Dec-91	12:48:02	4.9421	0.029
33582.533356	0.533356	6.3742	10-Dec-91	12:48:02	4.9464	0.022
33582.533361	0.533361	6.3669	10-Dec-91	12:48:02	4.9536	0.029
33582.533363	0.533363	6.3742	10-Dec-91	12:48:03	4.9565	0.022
33582.533366	0.533366	6.3742	10-Dec-91	12:48:03	4.9608	0.022
33582.533369	0.533369	6.3742	10-Dec-91	12:48:03	4.9651	0.022
33582.533372	0.533372	6.3669	10-Dec-91	12:48:03	4.9694	0.029
33582.533374	0.533374	6.3742	10-Dec-91	12:48:04	4.9723	0.022
33582.533377	0.533377	6.3669	10-Dec-91	12:48:04	4.9766	0.029
33582.533382	0.533382	6.3742	10-Dec-91	12:48:04	4.9838	0.022
33582.533384	0.533384	6.3742	10-Dec-91	12:48:04	4.9867	0.022
33582.533388	0.533388	6.3669	10-Dec-91	12:48:05	4.9925	0.029
33582.53339	0.53339	6.3669	10-Dec-91	12:48:05	4.9954	0.029
33582.533392	0.533392	6.3742	10-Dec-91	12:48:05	4.9982	0.022
33582.533396	0.533396	6.3742	10-Dec-91	12:48:05	5.0040	0.022
33582.533398	0.533398	6.3742	10-Dec-91	12:48:06	5.0069	0.022
33582.533403	0.533403	6.3669	10-Dec-91	12:48:06	5.0141	0.029
33582.533405	0.533405	6.3742	10-Dec-91	12:48:06	5.0170	0.022
33582.533409	0.533409	6.3742	10-Dec-91	12:48:07	5.0227	0.022
33582.533411	0.533411	6.3669	10-Dec-91	12:48:07	5.0256	0.029
33582.533413	0.533413	6.3742	10-Dec-91	12:48:07	5.0285	0.022
33582.533417	0.533417	6.3669	10-Dec-91	12:48:07	5.0342	0.029
33582.533419	0.533419	6.3669	10-Dec-91	12:48:07	5.0371	0.029
33582.533424	0.533424	6.3669	10-Dec-91	12:48:08	5.0443	0.029
33582.533426	0.533426	6.3742	10-Dec-91	12:48:08	5.0472	0.022
33582.533429	0.533429	6.3742	10-Dec-91	12:48:08	5.0515	0.022
33582.533432	0.533432	6.3742	10-Dec-91	12:48:09	5.0558	0.022
33582.533435	0.533435	6.3742	10-Dec-91	12:48:09	5.0602	0.022
33582.533438	0.533438	6.3742	10-Dec-91	12:48:09	5.0645	0.022
33582.53344	0.53344	6.3742	10-Dec-91	12:48:09	5.0674	0.022
33582.533444	0.533444	6.3742	10-Dec-91	12:48:10	5.0731	0.022
33582.533448	0.533448	6.3669	10-Dec-91	12:48:10	5.0789	0.029

33582.53345	0.53345	6.3742	10-Dec-91	12:48:10	5.0818	0.022
33582.533453	0.533453	6.3742	10-Dec-91	12:48:10	5.0861	0.022
33582.533456	0.533456	6.3742	10-Dec-91	12:48:11	5.0904	0.022
33582.533458	0.533458	6.3742	10-Dec-91	12:48:11	5.0933	0.022
33582.533461	0.533461	6.3669	10-Dec-91	12:48:11	5.0976	0.029
33582.533465	0.533465	6.3742	10-Dec-91	12:48:11	5.1034	0.022
33582.533469	0.533469	6.3742	10-Dec-91	12:48:12	5.1091	0.022
33582.533471	0.533471	6.3742	10-Dec-91	12:48:12	5.1120	0.022
33582.533473	0.533473	6.3742	10-Dec-91	12:48:12	5.1149	0.022
33582.533477	0.533477	6.3669	10-Dec-91	12:48:12	5.1206	0.029
33582.533479	0.533479	6.3742	10-Dec-91	12:48:13	5.1235	0.022
33582.533481	0.533481	6.3742	10-Dec-91	12:48:13	5.1264	0.022
33582.533486	0.533486	6.3669	10-Dec-91	12:48:13	5.1336	0.029
33582.53349	0.53349	6.3669	10-Dec-91	12:48:14	5.1394	0.029
33582.533492	0.533492	6.3742	10-Dec-91	12:48:14	5.1422	0.022
33582.533495	0.533495	6.3742	10-Dec-91	12:48:14	5.1466	0.022
33582.533498	0.533498	6.3742	10-Dec-91	12:48:14	5.1509	0.022
33582.5335	0.5335	6.3742	10-Dec-91	12:48:14	5.1538	0.022
33582.533503	0.533503	6.3669	10-Dec-91	12:48:15	5.1581	0.029
33582.533508	0.533508	6.3742	10-Dec-91	12:48:15	5.1653	0.022
33582.53351	0.53351	6.3742	10-Dec-91	12:48:15	5.1682	0.022
33582.533513	0.533513	6.3742	10-Dec-91	12:48:16	5.1725	0.022
33582.533516	0.533516	6.3742	10-Dec-91	12:48:16	5.1768	0.022
33582.533519	0.533519	6.3742	10-Dec-91	12:48:16	5.1811	0.022
33582.533521	0.533521	6.3742	10-Dec-91	12:48:16	5.1840	0.022
33582.533524	0.533524	6.3669	10-Dec-91	12:48:16	5.1883	0.029
33582.533529	0.533529	6.3742	10-Dec-91	12:48:17	5.1955	0.022
33582.533531	0.533531	6.3742	10-Dec-91	12:48:17	5.1984	0.022
33582.533534	0.533534	6.3742	10-Dec-91	12:48:17	5.2027	0.022
33582.533537	0.533537	6.3669	10-Dec-91	12:48:18	5.2070	0.029
33582.533539	0.533539	6.3742	10-Dec-91	12:48:18	5.2099	0.022
33582.533542	0.533542	6.3669	10-Dec-91	12:48:18	5.2142	0.029
33582.533545	0.533545	6.3742	10-Dec-91	12:48:18	5.2186	0.022
33582.53355	0.53355	6.3742	10-Dec-91	12:48:19	5.2258	0.022
33582.533552	0.533552	6.3742	10-Dec-91	12:48:19	5.2286	0.022
33582.533556	0.533556	6.3742	10-Dec-91	12:48:19	5.2344	0.022
33582.533558	0.533558	6.3742	10-Dec-91	12:48:19	5.2373	0.022
33582.53356	0.53356	6.3742	10-Dec-91	12:48:20	5.2402	0.022
33582.533564	0.533564	6.3742	10-Dec-91	12:48:20	5.2459	0.022
33582.533566	0.533566	6.3669	10-Dec-91	12:48:20	5.2488	0.029
33582.533571	0.533571	6.3669	10-Dec-91	12:48:21	5.2560	0.029
33582.533573	0.533573	6.3742	10-Dec-91	12:48:21	5.2589	0.022
33582.533576	0.533576	6.3742	10-Dec-91	12:48:21	5.2632	0.022
33582.533579	0.533579	6.3669	10-Dec-91	12:48:21	5.2675	0.029
33582.533581	0.533581	6.3742	10-Dec-91	12:48:21	5.2704	0.022
33582.533584	0.533584	6.3742	10-Dec-91	12:48:22	5.2747	0.022
33582.533587	0.533587	6.3742	10-Dec-91	12:48:22	5.2790	0.022

33582.533591	0.533591	6.3669	10-Dec-91	12:48:22	5.2848	0.029
33582.533594	0.533594	6.3742	10-Dec-91	12:48:23	5.2891	0.022
33582.533597	0.533597	6.3742	10-Dec-91	12:48:23	5.2934	0.022
33582.5336	0.5336	6.3742	10-Dec-91	12:48:23	5.2978	0.022
33582.533602	0.533602	6.3742	10-Dec-91	12:48:23	5.3006	0.022
33582.533605	0.533605	6.3742	10-Dec-91	12:48:23	5.3050	0.022
33582.533608	0.533608	6.3742	10-Dec-91	12:48:24	5.3093	0.022
33582.533612	0.533612	6.3669	10-Dec-91	12:48:24	5.3150	0.029
33582.533616	0.533616	6.3669	10-Dec-91	12:48:24	5.3208	0.029
33582.533618	0.533618	6.3742	10-Dec-91	12:48:25	5.3237	0.022
33582.53362	0.53362	6.3742	10-Dec-91	12:48:25	5.3266	0.022
33582.533624	0.533624	6.3742	10-Dec-91	12:48:25	5.3323	0.022
33582.533626	0.533626	6.3742	10-Dec-91	12:48:25	5.3352	0.022
33582.533628	0.533628	6.3742	10-Dec-91	12:48:25	5.3381	0.022
33582.533633	0.533633	6.3742	10-Dec-91	12:48:26	5.3453	0.022
33582.533637	0.533637	6.3669	10-Dec-91	12:48:26	5.3510	0.029
33582.533639	0.533639	6.3742	10-Dec-91	12:48:26	5.3539	0.022
33582.533641	0.533641	6.3669	10-Dec-91	12:48:27	5.3568	0.029
33582.533645	0.533645	6.3669	10-Dec-91	12:48:27	5.3626	0.029
33582.533647	0.533647	6.3669	10-Dec-91	12:48:27	5.3654	0.029
33582.533649	0.533649	6.3742	10-Dec-91	12:48:27	5.3683	0.022
33582.533654	0.533654	6.3742	10-Dec-91	12:48:28	5.3755	0.022
33582.533657	0.533657	6.3742	10-Dec-91	12:48:28	5.3798	0.022
33582.53366	0.53366	6.3742	10-Dec-91	12:48:28	5.3842	0.022
33582.533662	0.533662	6.3742	10-Dec-91	12:48:28	5.3870	0.022
33582.533666	0.533666	6.3742	10-Dec-91	12:48:29	5.3928	0.022
33582.533668	0.533668	6.3742	10-Dec-91	12:48:29	5.3957	0.022
33582.533671	0.533671	6.3742	10-Dec-91	12:48:29	5.4000	0.022
33582.533676	0.533676	6.3742	10-Dec-91	12:48:30	5.4072	0.022
33582.533678	0.533678	6.3742	10-Dec-91	12:48:30	5.4101	0.022
33582.533681	0.533681	6.3742	10-Dec-91	12:48:30	5.4144	0.022
33582.533684	0.533684	6.3669	10-Dec-91	12:48:30	5.4187	0.029
33582.533686	0.533686	6.3742	10-Dec-91	12:48:30	5.4216	0.022
33582.533689	0.533689	6.3742	10-Dec-91	12:48:31	5.4259	0.022
33582.533692	0.533692	6.3742	10-Dec-91	12:48:31	5.4302	0.022
33582.533697	0.533697	6.3669	10-Dec-91	12:48:31	5.4374	0.029
33582.533699	0.533699	6.3669	10-Dec-91	12:48:32	5.4403	0.029
33582.533701	0.533701	6.3742	10-Dec-91	12:48:32	5.4432	0.022
33582.533705	0.533705	6.3742	10-Dec-91	12:48:32	5.4490	0.022
33582.533707	0.533707	6.3742	10-Dec-91	12:48:32	5.4518	0.022
33582.533709	0.533709	6.3742	10-Dec-91	12:48:32	5.4547	0.022
33582.533713	0.533713	6.3669	10-Dec-91	12:48:33	5.4605	0.029
33582.533718	0.533718	6.3742	10-Dec-91	12:48:33	5.4677	0.022
33582.53372	0.53372	6.3742	10-Dec-91	12:48:33	5.4706	0.022
33582.533723	0.533723	6.3742	10-Dec-91	12:48:34	5.4749	0.022
33582.533726	0.533726	6.3742	10-Dec-91	12:48:34	5.4792	0.022
33582.533728	0.533728	6.3742	10-Dec-91	12:48:34	5.4821	0.022

33582.533731	0.533731	6.3742	10-Dec-91	12:48:34	5.4864	0.022
33582.533734	0.533734	6.3742	10-Dec-91	12:48:35	5.4907	0.022
33582.533738	0.533738	6.3742	10-Dec-91	12:48:35	5.4965	0.022
33582.533741	0.533741	6.3742	10-Dec-91	12:48:35	5.5008	0.022
33582.533744	0.533744	6.3742	10-Dec-91	12:48:35	5.5051	0.022
33582.533747	0.533747	6.3742	10-Dec-91	12:48:36	5.5094	0.022
33582.533749	0.533749	6.3742	10-Dec-91	12:48:36	5.5123	0.022
33582.533752	0.533752	6.3742	10-Dec-91	12:48:36	5.5166	0.022
33582.533755	0.533755	6.3742	10-Dec-91	12:48:36	5.5210	0.022
33582.533759	0.533759	6.3742	10-Dec-91	12:48:37	5.5267	0.022
33582.533762	0.533762	6.3669	10-Dec-91	12:48:37	5.5310	0.029
33582.533765	0.533765	6.3742	10-Dec-91	12:48:37	5.5354	0.022
33582.533767	0.533767	6.3742	10-Dec-91	12:48:37	5.5382	0.022
33582.53377	0.53377	6.3742	10-Dec-91	12:48:38	5.5426	0.022
33582.533773	0.533773	6.3742	10-Dec-91	12:48:38	5.5469	0.022
33582.533775	0.533775	6.3669	10-Dec-91	12:48:38	5.5498	0.029
33582.53378	0.53378	6.3742	10-Dec-91	12:48:39	5.5570	0.022
33582.533784	0.533784	6.3742	10-Dec-91	12:48:39	5.5627	0.022
33582.533786	0.533786	6.3742	10-Dec-91	12:48:39	5.5656	0.022
33582.533788	0.533788	6.3742	10-Dec-91	12:48:39	5.5685	0.022
33582.533792	0.533792	6.3669	10-Dec-91	12:48:40	5.5742	0.029
33582.533794	0.533794	6.3742	10-Dec-91	12:48:40	5.5771	0.022
33582.533796	0.533796	6.3742	10-Dec-91	12:48:40	5.5800	0.022
33582.533801	0.533801	6.3742	10-Dec-91	12:48:40	5.5872	0.022
33582.533804	0.533804	6.3669	10-Dec-91	12:48:41	5.5915	0.029
33582.533807	0.533807	6.3742	10-Dec-91	12:48:41	5.5958	0.022
33582.533809	0.533809	6.3669	10-Dec-91	12:48:41	5.5987	0.029
33582.533812	0.533812	6.3669	10-Dec-91	12:48:41	5.6030	0.029
33582.533815	0.533815	6.3742	10-Dec-91	12:48:42	5.6074	0.022
33582.533817	0.533817	6.3742	10-Dec-91	12:48:42	5.6102	0.022
33582.533822	0.533822	6.3742	10-Dec-91	12:48:42	5.6174	0.022
33582.533825	0.533825	6.3669	10-Dec-91	12:48:42	5.6218	0.029
33582.533828	0.533828	6.3669	10-Dec-91	12:48:43	5.6261	0.029
33582.53383	0.53383	6.3742	10-Dec-91	12:48:43	5.6290	0.022
33582.533833	0.533833	6.3669	10-Dec-91	12:48:43	5.6333	0.029
33582.533836	0.533836	6.3742	10-Dec-91	12:48:43	5.6376	0.022
33582.533839	0.533839	6.3742	10-Dec-91	12:48:44	5.6419	0.022


Bouwer & Rice Slug Test Plot
Well MW-5 -- Ball Test #2
Head (feet)
1
10 -1
10 -2
10 -3
-1.0
0.0
0.5
1.0
2.0
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-5s

Initial DTW (bgs) @ time < 0:	23.0	(feet)
Depth to top of sandpack:	7.5	(feet)
Depth to top of screen:	7.95	(feet)
H = Initial head @ time < 0:	6.42	(feet)
H(0)= Maximum head (@ t ~ 0):	1.99	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	6.0	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	6.0	(feet)
Length watertable to bottom of sandpack:	6.0	(feet)
b = Aquifer saturated thickness:	9.0	(feet)
Partial Penetration (Y/N):	Y	

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

Test Start Date >>>>>> 10-Dec-91
Test Start Time >>>>>> 13:02:07
Test Type >>>>>>>>>>>> Bail #2
Initial head at T<0 >>>>>>> 6.4247

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33582.543065	0.543065	6.4247	10-Dec-91	13:02:01	-0.1008	0.000	
33582.543067	0.543067	6.4247	10-Dec-91	13:02:01	-0.0979	0.000	
33582.543072	0.543072	6.4247	10-Dec-91	13:02:01	-0.0907	0.000	
33582.543074	0.543074	6.4247	10-Dec-91	13:02:02	-0.0878	0.000	
33582.543078	0.543078	6.4247	10-Dec-91	13:02:02	-0.0821	0.000	
33582.54308	0.54308	6.4247	10-Dec-91	13:02:02	-0.0792	0.000	
33582.543083	0.543083	6.4247	10-Dec-91	13:02:02	-0.0749	0.000	
33582.543086	0.543086	6.4247	10-Dec-91	13:02:03	-0.0706	0.000	
33582.543088	0.543088	6.4247	10-Dec-91	13:02:03	-0.0677	0.000	
33582.543093	0.543093	6.4247	10-Dec-91	13:02:03	-0.0605	0.000	
33582.543096	0.543096	6.4175	10-Dec-91	13:02:03	-0.0562	0.007	
33582.543098	0.543098	6.4247	10-Dec-91	13:02:04	-0.0533	0.000	
33582.543101	0.543101	6.4247	10-Dec-91	13:02:04	-0.0490	0.000	
33582.543104	0.543104	6.4175	10-Dec-91	13:02:04	-0.0446	0.007	
33582.543106	0.543106	6.4175	10-Dec-91	13:02:04	-0.0418	0.007	
33582.543109	0.543109	6.4247	10-Dec-91	13:02:05	-0.0374	0.000	
33582.543113	0.543113	6.4247	10-Dec-91	13:02:05	-0.0317	0.000	
33582.543117	0.543117	6.4247	10-Dec-91	13:02:05	-0.0259	0.000	
33582.543119	0.543119	6.4175	10-Dec-91	13:02:05	-0.0230	0.007	

33582.543122	0.543122	6.4175	10-Dec-91	13:02:06	-0.0187	0.007	
33582.543125	0.543125	6.4247	10-Dec-91	13:02:06	-0.0144	0.000	
33582.543127	0.543127	6.4175	10-Dec-91	13:02:06	-0.0115	0.007	
33582.54313	0.54313	6.4247	10-Dec-91	13:02:06	-0.0072	0.000	
33582.543135	0.543135	5.775	10-Dec-91	13:02:07	0.0000	0.650	Begin bail test
33582.543138	0.543138	4.4395	10-Dec-91	13:02:07	0.0043	1.985	
33582.54314	0.54314	4.62	10-Dec-91	13:02:07	0.0072	1.805	
33582.543144	0.543144	5.5223	10-Dec-91	13:02:08	0.0130	0.902	
33582.543146	0.543146	4.7572	10-Dec-91	13:02:08	0.0158	1.667	
33582.543148	0.543148	4.8077	10-Dec-91	13:02:08	0.0187	1.617	
33582.543152	0.543152	4.9376	10-Dec-91	13:02:08	0.0245	1.487	
33582.543156	0.543156	5.0098	10-Dec-91	13:02:09	0.0302	1.415	
33582.543159	0.543159	5.0676	10-Dec-91	13:02:09	0.0346	1.357	
33582.543161	0.543161	5.1181	10-Dec-91	13:02:09	0.0374	1.307	
33582.543164	0.543164	5.1686	10-Dec-91	13:02:09	0.0418	1.256	
33582.543167	0.543167	5.2047	10-Dec-91	13:02:10	0.0461	1.220	
33582.543169	0.543169	5.2408	10-Dec-91	13:02:10	0.0490	1.184	
33582.543172	0.543172	5.2841	10-Dec-91	13:02:10	0.0533	1.141	
33582.543177	0.543177	5.3419	10-Dec-91	13:02:10	0.0605	1.083	
33582.543179	0.543179	5.3708	10-Dec-91	13:02:11	0.0634	1.054	
33582.543182	0.543182	5.3996	10-Dec-91	13:02:11	0.0677	1.025	
33582.543185	0.543185	5.4357	10-Dec-91	13:02:11	0.0720	0.989	
33582.543188	0.543188	5.4646	10-Dec-91	13:02:11	0.0763	0.960	
33582.543191	0.543191	5.4863	10-Dec-91	13:02:12	0.0806	0.938	
33582.543193	0.543193	5.5151	10-Dec-91	13:02:12	0.0835	0.910	
33582.543198	0.543198	5.5512	10-Dec-91	13:02:12	0.0907	0.874	
33582.5432	0.5432	5.5729	10-Dec-91	13:02:12	0.0936	0.852	
33582.543204	0.543204	5.6018	10-Dec-91	13:02:13	0.0994	0.823	
33582.543206	0.543206	5.6234	10-Dec-91	13:02:13	0.1022	0.801	
33582.543208	0.543208	5.6451	10-Dec-91	13:02:13	0.1051	0.780	
33582.543212	0.543212	5.6739	10-Dec-91	13:02:14	0.1109	0.751	
33582.543214	0.543214	5.6956	10-Dec-91	13:02:14	0.1138	0.729	
33582.543219	0.543219	5.7461	10-Dec-91	13:02:14	0.1210	0.679	
33582.543221	0.543221	5.7678	10-Dec-91	13:02:14	0.1238	0.657	
33582.543225	0.543225	5.7894	10-Dec-91	13:02:15	0.1296	0.635	
33582.543227	0.543227	5.8111	10-Dec-91	13:02:15	0.1325	0.614	
33582.543229	0.543229	5.8328	10-Dec-91	13:02:15	0.1354	0.592	
33582.543233	0.543233	5.8544	10-Dec-91	13:02:15	0.1411	0.570	
33582.543235	0.543235	5.8761	10-Dec-91	13:02:16	0.1440	0.549	
33582.54324	0.54324	5.9049	10-Dec-91	13:02:16	0.1512	0.520	
33582.543242	0.543242	5.9194	10-Dec-91	13:02:16	0.1541	0.505	
33582.543245	0.543245	5.9338	10-Dec-91	13:02:16	0.1584	0.491	
33582.543248	0.543248	5.9555	10-Dec-91	13:02:17	0.1627	0.469	
33582.543251	0.543251	5.9699	10-Dec-91	13:02:17	0.1670	0.455	
33582.543253	0.543253	5.9843	10-Dec-91	13:02:17	0.1699	0.440	
33582.543256	0.543256	5.9916	10-Dec-91	13:02:17	0.1742	0.433	
33582.54326	0.54326	6.0204	10-Dec-91	13:02:18	0.1800	0.404	

33582.543264	0.543264	6.0349	10-Dec-91	13:02:18	0.1858	0.390
33582.543266	0.543266	6.0421	10-Dec-91	13:02:18	0.1886	0.383
33582.543269	0.543269	6.0493	10-Dec-91	13:02:18	0.1930	0.375
33582.543272	0.543272	6.0638	10-Dec-91	13:02:19	0.1973	0.361
33582.543274	0.543274	6.071	10-Dec-91	13:02:19	0.2002	0.354
33582.543277	0.543277	6.0854	10-Dec-91	13:02:19	0.2045	0.339
33582.543281	0.543281	6.0926	10-Dec-91	13:02:19	0.2102	0.332
33582.543285	0.543285	6.0998	10-Dec-91	13:02:20	0.2160	0.325
33582.543287	0.543287	6.1143	10-Dec-91	13:02:20	0.2189	0.310
33582.543289	0.543289	6.1143	10-Dec-91	13:02:20	0.2218	0.310
33582.543293	0.543293	6.1215	10-Dec-91	13:02:21	0.2275	0.303
33582.543295	0.543295	6.1287	10-Dec-91	13:02:21	0.2304	0.296
33582.543297	0.543297	6.1359	10-Dec-91	13:02:21	0.2333	0.289
33582.543303	0.543303	6.1432	10-Dec-91	13:02:21	0.2419	0.281
33582.543306	0.543306	6.1504	10-Dec-91	13:02:22	0.2462	0.274
33582.543308	0.543308	6.1576	10-Dec-91	13:02:22	0.2491	0.267
33582.543311	0.543311	6.1648	10-Dec-91	13:02:22	0.2534	0.260
33582.543314	0.543314	6.1648	10-Dec-91	13:02:22	0.2578	0.260
33582.543316	0.543316	6.172	10-Dec-91	13:02:23	0.2606	0.253
33582.543319	0.543319	6.172	10-Dec-91	13:02:23	0.2650	0.253
33582.543324	0.543324	6.1793	10-Dec-91	13:02:23	0.2722	0.245
33582.543326	0.543326	6.1865	10-Dec-91	13:02:23	0.2750	0.238
33582.543329	0.543329	6.1865	10-Dec-91	13:02:24	0.2794	0.238
33582.543332	0.543332	6.1937	10-Dec-91	13:02:24	0.2837	0.231
33582.543334	0.543334	6.2009	10-Dec-91	13:02:24	0.2866	0.224
33582.543337	0.543337	6.2009	10-Dec-91	13:02:24	0.2909	0.224
33582.54334	0.54334	6.2009	10-Dec-91	13:02:25	0.2952	0.224
33582.543345	0.543345	6.2009	10-Dec-91	13:02:25	0.3024	0.224
33582.543347	0.543347	6.2081	10-Dec-91	13:02:25	0.3053	0.217
33582.54335	0.54335	6.2153	10-Dec-91	13:02:25	0.3096	0.209
33582.543353	0.543353	6.2153	10-Dec-91	13:02:26	0.3139	0.209
33582.543355	0.543355	6.2153	10-Dec-91	13:02:26	0.3168	0.209
33582.543358	0.543358	6.2226	10-Dec-91	13:02:26	0.3211	0.202
33582.543361	0.543361	6.2226	10-Dec-91	13:02:26	0.3254	0.202
33582.543366	0.543366	6.2226	10-Dec-91	13:02:27	0.3326	0.202
33582.543368	0.543368	6.2226	10-Dec-91	13:02:27	0.3355	0.202
33582.543372	0.543372	6.2298	10-Dec-91	13:02:27	0.3413	0.195
33582.543374	0.543374	6.2298	10-Dec-91	13:02:28	0.3442	0.195
33582.543376	0.543376	6.237	10-Dec-91	13:02:28	0.3470	0.188
33582.54338	0.54338	6.237	10-Dec-91	13:02:28	0.3528	0.188
33582.543382	0.543382	6.237	10-Dec-91	13:02:28	0.3557	0.188
33582.543387	0.543387	6.2442	10-Dec-91	13:02:29	0.3629	0.180
33582.543389	0.543389	6.237	10-Dec-91	13:02:29	0.3658	0.188
33582.543392	0.543392	6.2442	10-Dec-91	13:02:29	0.3701	0.180
33582.543395	0.543395	6.2514	10-Dec-91	13:02:29	0.3744	0.173
33582.543397	0.543397	6.2514	10-Dec-91	13:02:30	0.3773	0.173
33582.5434	0.5434	6.2587	10-Dec-91	13:02:30	0.3816	0.166

33582.543403	0.543403	6.2514	10-Dec-91	13:02:30	0.3859	0.173
33582.543407	0.543407	6.2587	10-Dec-91	13:02:30	0.3917	0.166
33582.54341	0.54341	6.2587	10-Dec-91	13:02:31	0.3960	0.166
33582.543413	0.543413	6.2587	10-Dec-91	13:02:31	0.4003	0.166
33582.543416	0.543416	6.2587	10-Dec-91	13:02:31	0.4046	0.166
33582.543419	0.543419	6.2587	10-Dec-91	13:02:31	0.4090	0.166
33582.543421	0.543421	6.2659	10-Dec-91	13:02:32	0.4118	0.159
33582.543424	0.543424	6.2659	10-Dec-91	13:02:32	0.4162	0.159
33582.543428	0.543428	6.2659	10-Dec-91	13:02:32	0.4219	0.159
33582.543432	0.543432	6.2659	10-Dec-91	13:02:33	0.4277	0.159
33582.543434	0.543434	6.2659	10-Dec-91	13:02:33	0.4306	0.159
33582.543436	0.543436	6.2731	10-Dec-91	13:02:33	0.4334	0.152
33582.54344	0.54344	6.2731	10-Dec-91	13:02:33	0.4392	0.152
33582.543442	0.543442	6.2731	10-Dec-91	13:02:33	0.4421	0.152
33582.543444	0.543444	6.2731	10-Dec-91	13:02:34	0.4450	0.152
33582.543449	0.543449	6.2731	10-Dec-91	13:02:34	0.4522	0.152
33582.543453	0.543453	6.2803	10-Dec-91	13:02:34	0.4579	0.144
33582.543455	0.543455	6.2803	10-Dec-91	13:02:35	0.4608	0.144
33582.543457	0.543457	6.2803	10-Dec-91	13:02:35	0.4637	0.144
33582.543461	0.543461	6.2803	10-Dec-91	13:02:35	0.4694	0.144
33582.543463	0.543463	6.2803	10-Dec-91	13:02:35	0.4723	0.144
33582.543465	0.543465	6.2875	10-Dec-91	13:02:35	0.4752	0.137
33582.54347	0.54347	6.2875	10-Dec-91	13:02:36	0.4824	0.137
33582.543473	0.543473	6.2803	10-Dec-91	13:02:36	0.4867	0.144
33582.543476	0.543476	6.2875	10-Dec-91	13:02:36	0.4910	0.137
33582.543479	0.543479	6.2875	10-Dec-91	13:02:37	0.4954	0.137
33582.543481	0.543481	6.2875	10-Dec-91	13:02:37	0.4982	0.137
33582.543484	0.543484	6.2875	10-Dec-91	13:02:37	0.5026	0.137
33582.543487	0.543487	6.2948	10-Dec-91	13:02:37	0.5069	0.130
33582.543492	0.543492	6.2948	10-Dec-91	13:02:38	0.5141	0.130
33582.543494	0.543494	6.2875	10-Dec-91	13:02:38	0.5170	0.137
33582.543497	0.543497	6.2948	10-Dec-91	13:02:38	0.5213	0.130
33582.5435	0.5435	6.2948	10-Dec-91	13:02:38	0.5256	0.130
33582.543502	0.543502	6.2948	10-Dec-91	13:02:39	0.5285	0.130
33582.543505	0.543505	6.2948	10-Dec-91	13:02:39	0.5328	0.130
33582.543508	0.543508	6.2948	10-Dec-91	13:02:39	0.5371	0.130
33582.543513	0.543513	6.302	10-Dec-91	13:02:40	0.5443	0.123
33582.543515	0.543515	6.302	10-Dec-91	13:02:40	0.5472	0.123
33582.543517	0.543517	6.302	10-Dec-91	13:02:40	0.5501	0.123
33582.543521	0.543521	6.302	10-Dec-91	13:02:40	0.5558	0.123
33582.543523	0.543523	6.302	10-Dec-91	13:02:40	0.5587	0.123
33582.543527	0.543527	6.302	10-Dec-91	13:02:41	0.5645	0.123
33582.543529	0.543529	6.3092	10-Dec-91	13:02:41	0.5674	0.115
33582.543534	0.543534	6.3092	10-Dec-91	13:02:41	0.5746	0.115
33582.543536	0.543536	6.302	10-Dec-91	13:02:42	0.5774	0.123
33582.543539	0.543539	6.3092	10-Dec-91	13:02:42	0.5818	0.115
33582.543542	0.543542	6.3092	10-Dec-91	13:02:42	0.5861	0.115

33582.543544	0.543544	6.3092	10-Dec-91	13:02:42	0.5890	0.115
33582.543547	0.543547	6.3092	10-Dec-91	13:02:42	0.5933	0.115
33582.54355	0.54355	6.3164	10-Dec-91	13:02:43	0.5976	0.108
33582.543554	0.543554	6.3092	10-Dec-91	13:02:43	0.6034	0.115
33582.543557	0.543557	6.3092	10-Dec-91	13:02:43	0.6077	0.115
33582.54356	0.54356	6.3164	10-Dec-91	13:02:44	0.6120	0.108
33582.543563	0.543563	6.3164	10-Dec-91	13:02:44	0.6163	0.108
33582.543565	0.543565	6.3164	10-Dec-91	13:02:44	0.6192	0.108
33582.543568	0.543568	6.3164	10-Dec-91	13:02:44	0.6235	0.108
33582.543571	0.543571	6.3164	10-Dec-91	13:02:45	0.6278	0.108
33582.543575	0.543575	6.3164	10-Dec-91	13:02:45	0.6336	0.108
33582.543578	0.543578	6.3164	10-Dec-91	13:02:45	0.6379	0.108
33582.543581	0.543581	6.3164	10-Dec-91	13:02:45	0.6422	0.108
33582.543583	0.543583	6.3164	10-Dec-91	13:02:46	0.6451	0.108
33582.543587	0.543587	6.3164	10-Dec-91	13:02:46	0.6509	0.108
33582.543589	0.543589	6.3164	10-Dec-91	13:02:46	0.6538	0.108
33582.543591	0.543591	6.3236	10-Dec-91	13:02:46	0.6566	0.101
33582.543596	0.543596	6.3236	10-Dec-91	13:02:47	0.6638	0.101
33582.5436	0.5436	6.3236	10-Dec-91	13:02:47	0.6696	0.101
33582.543602	0.543602	6.3236	10-Dec-91	13:02:47	0.6725	0.101
33582.543604	0.543604	6.3236	10-Dec-91	13:02:47	0.6754	0.101
33582.543608	0.543608	6.3236	10-Dec-91	13:02:48	0.6811	0.101
33582.54361	0.54361	6.3236	10-Dec-91	13:02:48	0.6840	0.101
33582.543612	0.543612	6.3236	10-Dec-91	13:02:48	0.6869	0.101
33582.543617	0.543617	6.3236	10-Dec-91	13:02:49	0.6941	0.101
33582.54362	0.54362	6.3236	10-Dec-91	13:02:49	0.6984	0.101
33582.543623	0.543623	6.3236	10-Dec-91	13:02:49	0.7027	0.101
33582.543625	0.543625	6.3236	10-Dec-91	13:02:49	0.7056	0.101
33582.543628	0.543628	6.3236	10-Dec-91	13:02:49	0.7099	0.101
33582.543631	0.543631	6.3236	10-Dec-91	13:02:50	0.7142	0.101
33582.543633	0.543633	6.3236	10-Dec-91	13:02:50	0.7171	0.101
33582.543638	0.543638	6.3236	10-Dec-91	13:02:50	0.7243	0.101
33582.543641	0.543641	6.3236	10-Dec-91	13:02:51	0.7286	0.101
33582.543644	0.543644	6.3236	10-Dec-91	13:02:51	0.7330	0.101
33582.543647	0.543647	6.3308	10-Dec-91	13:02:51	0.7373	0.094
33582.543649	0.543649	6.3308	10-Dec-91	13:02:51	0.7402	0.094
33582.543652	0.543652	6.3236	10-Dec-91	13:02:52	0.7445	0.101
33582.543655	0.543655	6.3308	10-Dec-91	13:02:52	0.7488	0.094
33582.54366	0.54366	6.3308	10-Dec-91	13:02:52	0.7560	0.094
33582.543662	0.543662	6.3308	10-Dec-91	13:02:52	0.7589	0.094
33582.543664	0.543664	6.3308	10-Dec-91	13:02:53	0.7618	0.094
33582.543668	0.543668	6.3308	10-Dec-91	13:02:53	0.7675	0.094
33582.54367	0.54367	6.3308	10-Dec-91	13:02:53	0.7704	0.094
33582.543672	0.543672	6.3308	10-Dec-91	13:02:53	0.7733	0.094
33582.543676	0.543676	6.3308	10-Dec-91	13:02:54	0.7790	0.094
33582.543681	0.543681	6.3381	10-Dec-91	13:02:54	0.7862	0.087
33582.543683	0.543683	6.3381	10-Dec-91	13:02:54	0.7891	0.087

33582.543685	0.543685	6.3308	10-Dec-91	13:02:54	0.7920	0.094
33582.543689	0.543689	6.3308	10-Dec-91	13:02:55	0.7978	0.094
33582.543691	0.543691	6.3308	10-Dec-91	13:02:55	0.8006	0.094
33582.543693	0.543693	6.3381	10-Dec-91	13:02:55	0.8035	0.087
33582.543697	0.543697	6.3381	10-Dec-91	13:02:55	0.8093	0.087
33582.543701	0.543701	6.3381	10-Dec-91	13:02:56	0.8150	0.087
33582.543704	0.543704	6.3381	10-Dec-91	13:02:56	0.8194	0.087
33582.543707	0.543707	6.3381	10-Dec-91	13:02:56	0.8237	0.087
33582.543709	0.543709	6.3381	10-Dec-91	13:02:56	0.8266	0.087
33582.543712	0.543712	6.3381	10-Dec-91	13:02:57	0.8309	0.087
33582.543715	0.543715	6.3381	10-Dec-91	13:02:57	0.8352	0.087
33582.543718	0.543718	6.3381	10-Dec-91	13:02:57	0.8395	0.087
33582.543722	0.543722	6.3381	10-Dec-91	13:02:58	0.8453	0.087
33582.543725	0.543725	6.3381	10-Dec-91	13:02:58	0.8496	0.087
33582.543728	0.543728	6.3381	10-Dec-91	13:02:58	0.8539	0.087
33582.54373	0.54373	6.3381	10-Dec-91	13:02:58	0.8568	0.087
33582.543733	0.543733	6.3381	10-Dec-91	13:02:59	0.8611	0.087
33582.543736	0.543736	6.3381	10-Dec-91	13:02:59	0.8654	0.087
33582.543738	0.543738	6.3381	10-Dec-91	13:02:59	0.8683	0.087
33582.543743	0.543743	6.3381	10-Dec-91	13:02:59	0.8755	0.087
33582.543745	0.543745	6.3381	10-Dec-91	13:03:00	0.8784	0.087
33582.543749	0.543749	6.3381	10-Dec-91	13:03:00	0.8842	0.087
33582.543751	0.543751	6.3381	10-Dec-91	13:03:00	0.8870	0.087
33582.543755	0.543755	6.3381	10-Dec-91	13:03:00	0.8928	0.087
33582.543757	0.543757	6.3381	10-Dec-91	13:03:01	0.8957	0.087
33582.543759	0.543759	6.3381	10-Dec-91	13:03:01	0.8986	0.087
33582.543764	0.543764	6.3453	10-Dec-91	13:03:01	0.9058	0.079
33582.543767	0.543767	6.3381	10-Dec-91	13:03:01	0.9101	0.087
33582.54377	0.54377	6.3381	10-Dec-91	13:03:02	0.9144	0.087
33582.543772	0.543772	6.3381	10-Dec-91	13:03:02	0.9173	0.087
33582.543775	0.543775	6.3453	10-Dec-91	13:03:02	0.9216	0.079
33582.543778	0.543778	6.3381	10-Dec-91	13:03:02	0.9259	0.087
33582.54378	0.54378	6.3381	10-Dec-91	13:03:03	0.9288	0.087
33582.543785	0.543785	6.3453	10-Dec-91	13:03:03	0.9360	0.079
33582.543788	0.543788	6.3381	10-Dec-91	13:03:03	0.9403	0.087
33582.543791	0.543791	6.3381	10-Dec-91	13:03:04	0.9446	0.087
33582.543793	0.543793	6.3453	10-Dec-91	13:03:04	0.9475	0.079
33582.543796	0.543796	6.3381	10-Dec-91	13:03:04	0.9518	0.087
33582.543799	0.543799	6.3453	10-Dec-91	13:03:04	0.9562	0.079
33582.543801	0.543801	6.3453	10-Dec-91	13:03:04	0.9590	0.079
33582.543807	0.543807	6.3525	10-Dec-91	13:03:05	0.9677	0.072
33582.543809	0.543809	6.3453	10-Dec-91	13:03:05	0.9706	0.079
33582.543811	0.543811	6.3453	10-Dec-91	13:03:05	0.9734	0.079
33582.543815	0.543815	6.3453	10-Dec-91	13:03:06	0.9792	0.079
33582.543817	0.543817	6.3453	10-Dec-91	13:03:06	0.9821	0.079
33582.543819	0.543819	6.3381	10-Dec-91	13:03:06	0.9850	0.087
33582.543823	0.543823	6.3453	10-Dec-91	13:03:06	0.9907	0.079

33582.543828	0.543828	6.3453	10-Dec-91	13:03:07	0.9979	0.079
33582.54383	0.54383	6.3525	10-Dec-91	13:03:07	1.0008	0.072
33582.543832	0.543832	6.3453	10-Dec-91	13:03:07	1.0037	0.079
33582.543836	0.543836	6.3525	10-Dec-91	13:03:07	1.0094	0.072
33582.543838	0.543838	6.3453	10-Dec-91	13:03:08	1.0123	0.079
33582.54384	0.54384	6.3525	10-Dec-91	13:03:08	1.0152	0.072
33582.543844	0.543844	6.3525	10-Dec-91	13:03:08	1.0210	0.072
33582.543848	0.543848	6.3453	10-Dec-91	13:03:08	1.0267	0.079
33582.543851	0.543851	6.3453	10-Dec-91	13:03:09	1.0310	0.079
33582.543853	0.543853	6.3525	10-Dec-91	13:03:09	1.0339	0.072
33582.543856	0.543856	6.3453	10-Dec-91	13:03:09	1.0382	0.079
33582.543859	0.543859	6.3453	10-Dec-91	13:03:09	1.0426	0.079
33582.543862	0.543862	6.3525	10-Dec-91	13:03:10	1.0469	0.072
33582.543865	0.543865	6.3525	10-Dec-91	13:03:10	1.0512	0.072
33582.543869	0.543869	6.3525	10-Dec-91	13:03:10	1.0570	0.072
33582.543872	0.543872	6.3525	10-Dec-91	13:03:11	1.0613	0.072
33582.543875	0.543875	6.3453	10-Dec-91	13:03:11	1.0656	0.079
33582.543877	0.543877	6.3525	10-Dec-91	13:03:11	1.0685	0.072
33582.54388	0.54388	6.3525	10-Dec-91	13:03:11	1.0728	0.072
33582.543883	0.543883	6.3525	10-Dec-91	13:03:11	1.0771	0.072
33582.543885	0.543885	6.3525	10-Dec-91	13:03:12	1.0800	0.072
33582.54389	0.54389	6.3525	10-Dec-91	13:03:12	1.0872	0.072
33582.543892	0.543892	6.3525	10-Dec-91	13:03:12	1.0901	0.072
33582.543896	0.543896	6.3525	10-Dec-91	13:03:13	1.0958	0.072
33582.543898	0.543898	6.3525	10-Dec-91	13:03:13	1.0987	0.072
33582.5439	0.5439	6.3525	10-Dec-91	13:03:13	1.1016	0.072
33582.543904	0.543904	6.3525	10-Dec-91	13:03:13	1.1074	0.072
33582.543906	0.543906	6.3525	10-Dec-91	13:03:13	1.1102	0.072
33582.543911	0.543911	6.3525	10-Dec-91	13:03:14	1.1174	0.072
33582.543913	0.543913	6.3525	10-Dec-91	13:03:14	1.1203	0.072
33582.543917	0.543917	6.3525	10-Dec-91	13:03:14	1.1261	0.072
33582.543919	0.543919	6.3525	10-Dec-91	13:03:15	1.1290	0.072
33582.543922	0.543922	6.3597	10-Dec-91	13:03:15	1.1333	0.065
33582.543925	0.543925	6.3597	10-Dec-91	13:03:15	1.1376	0.065
33582.543927	0.543927	6.3525	10-Dec-91	13:03:15	1.1405	0.072
33582.543932	0.543932	6.3525	10-Dec-91	13:03:16	1.1477	0.072
33582.543935	0.543935	6.3597	10-Dec-91	13:03:16	1.1520	0.065
33582.543937	0.543937	6.3525	10-Dec-91	13:03:16	1.1549	0.072
33582.54394	0.54394	6.3525	10-Dec-91	13:03:16	1.1592	0.072
33582.543943	0.543943	6.3597	10-Dec-91	13:03:17	1.1635	0.065
33582.543946	0.543946	6.3525	10-Dec-91	13:03:17	1.1678	0.072
33582.543948	0.543948	6.3597	10-Dec-91	13:03:17	1.1707	0.065
33582.543953	0.543953	6.3597	10-Dec-91	13:03:18	1.1779	0.065
33582.543956	0.543956	6.3525	10-Dec-91	13:03:18	1.1822	0.072
33582.543958	0.543958	6.3525	10-Dec-91	13:03:18	1.1851	0.072
33582.543961	0.543961	6.3597	10-Dec-91	13:03:18	1.1894	0.065
33582.543964	0.543964	6.3525	10-Dec-91	13:03:18	1.1938	0.072

33582.543966	0.543966	6.3597	10-Dec-91	13:03:19	1.1966	0.065
33582.543969	0.543969	6.3525	10-Dec-91	13:03:19	1.2010	0.072
33582.543975	0.543975	6.3597	10-Dec-91	13:03:19	1.2096	0.065
33582.543977	0.543977	6.3597	10-Dec-91	13:03:20	1.2125	0.065
33582.543979	0.543979	6.3525	10-Dec-91	13:03:20	1.2154	0.072
33582.543983	0.543983	6.3597	10-Dec-91	13:03:20	1.2211	0.065
33582.543985	0.543985	6.3597	10-Dec-91	13:03:20	1.2240	0.065
33582.543987	0.543987	6.3597	10-Dec-91	13:03:20	1.2269	0.065
33582.543991	0.543991	6.3525	10-Dec-91	13:03:21	1.2326	0.072
33582.543995	0.543995	6.3525	10-Dec-91	13:03:21	1.2384	0.072
33582.543998	0.543998	6.3597	10-Dec-91	13:03:21	1.2427	0.065
33582.544	0.544	6.3597	10-Dec-91	13:03:22	1.2456	0.065
33582.544003	0.544003	6.3597	10-Dec-91	13:03:22	1.2499	0.065
33582.544006	0.544006	6.3597	10-Dec-91	13:03:22	1.2542	0.065
33582.544008	0.544008	6.3597	10-Dec-91	13:03:22	1.2571	0.065
33582.544012	0.544012	6.3597	10-Dec-91	13:03:23	1.2629	0.065
33582.544016	0.544016	6.3597	10-Dec-91	13:03:23	1.2686	0.065
33582.544019	0.544019	6.3597	10-Dec-91	13:03:23	1.2730	0.065
33582.544021	0.544021	6.3525	10-Dec-91	13:03:23	1.2758	0.072
33582.544024	0.544024	6.3597	10-Dec-91	13:03:24	1.2802	0.065
33582.544027	0.544027	6.3597	10-Dec-91	13:03:24	1.2845	0.065
33582.544029	0.544029	6.3525	10-Dec-91	13:03:24	1.2874	0.072
33582.544032	0.544032	6.3597	10-Dec-91	13:03:24	1.2917	0.065
33582.544037	0.544037	6.3597	10-Dec-91	13:03:25	1.2989	0.065
33582.544039	0.544039	6.3597	10-Dec-91	13:03:25	1.3018	0.065
33582.544043	0.544043	6.3597	10-Dec-91	13:03:25	1.3075	0.065
33582.544045	0.544045	6.3669	10-Dec-91	13:03:25	1.3104	0.058
33582.544047	0.544047	6.3669	10-Dec-91	13:03:26	1.3133	0.058
33582.544051	0.544051	6.3669	10-Dec-91	13:03:26	1.3190	0.058
33582.544053	0.544053	6.3597	10-Dec-91	13:03:26	1.3219	0.065
33582.544058	0.544058	6.3597	10-Dec-91	13:03:27	1.3291	0.065
33582.54406	0.54406	6.3669	10-Dec-91	13:03:27	1.3320	0.058
33582.544064	0.544064	6.3597	10-Dec-91	13:03:27	1.3378	0.065
33582.544066	0.544066	6.3669	10-Dec-91	13:03:27	1.3406	0.058
33582.544068	0.544068	6.3669	10-Dec-91	13:03:27	1.3435	0.058
33582.544072	0.544072	6.3597	10-Dec-91	13:03:28	1.3493	0.065
33582.544074	0.544074	6.3669	10-Dec-91	13:03:28	1.3522	0.058
33582.544079	0.544079	6.3669	10-Dec-91	13:03:28	1.3594	0.058
33582.544081	0.544081	6.3669	10-Dec-91	13:03:29	1.3622	0.058
33582.544084	0.544084	6.3669	10-Dec-91	13:03:29	1.3666	0.058
33582.544087	0.544087	6.3669	10-Dec-91	13:03:29	1.3709	0.058
33582.54409	0.54409	6.3669	10-Dec-91	13:03:29	1.3752	0.058
33582.544093	0.544093	6.3669	10-Dec-91	13:03:30	1.3795	0.058
33582.544095	0.544095	6.3669	10-Dec-91	13:03:30	1.3824	0.058
33582.5441	0.5441	6.3669	10-Dec-91	13:03:30	1.3896	0.058
33582.544103	0.544103	6.3669	10-Dec-91	13:03:30	1.3939	0.058
33582.544105	0.544105	6.3669	10-Dec-91	13:03:31	1.3968	0.058

33582.544108	0.544108	6.3669	10-Dec-91	13:03:31	1.4011	0.058
33582.544111	0.544111	6.3669	10-Dec-91	13:03:31	1.4054	0.058
33582.544113	0.544113	6.3669	10-Dec-91	13:03:31	1.4083	0.058
33582.544116	0.544116	6.3669	10-Dec-91	13:03:32	1.4126	0.058
33582.54412	0.54412	6.3742	10-Dec-91	13:03:32	1.4184	0.050
33582.544124	0.544124	6.3669	10-Dec-91	13:03:32	1.4242	0.058
33582.544126	0.544126	6.3669	10-Dec-91	13:03:32	1.4270	0.058
33582.544128	0.544128	6.3669	10-Dec-91	13:03:33	1.4299	0.058
33582.544132	0.544132	6.3669	10-Dec-91	13:03:33	1.4357	0.058
33582.544134	0.544134	6.3669	10-Dec-91	13:03:33	1.4386	0.058
33582.544137	0.544137	6.3669	10-Dec-91	13:03:33	1.4429	0.058
33582.544141	0.544141	6.3669	10-Dec-91	13:03:34	1.4486	0.058
33582.544145	0.544145	6.3669	10-Dec-91	13:03:34	1.4544	0.058
33582.544147	0.544147	6.3669	10-Dec-91	13:03:34	1.4573	0.058
33582.54415	0.54415	6.3669	10-Dec-91	13:03:35	1.4616	0.058
33582.544153	0.544153	6.3669	10-Dec-91	13:03:35	1.4659	0.058
33582.544155	0.544155	6.3669	10-Dec-91	13:03:35	1.4688	0.058
33582.544159	0.544159	6.3669	10-Dec-91	13:03:35	1.4746	0.058
33582.544163	0.544163	6.3742	10-Dec-91	13:03:36	1.4803	0.050
33582.544166	0.544166	6.3669	10-Dec-91	13:03:36	1.4846	0.058
33582.544168	0.544168	6.3742	10-Dec-91	13:03:36	1.4875	0.050
33582.544171	0.544171	6.3742	10-Dec-91	13:03:36	1.4918	0.050
33582.544174	0.544174	6.3742	10-Dec-91	13:03:37	1.4962	0.050
33582.544176	0.544176	6.3742	10-Dec-91	13:03:37	1.4990	0.050
33582.544179	0.544179	6.3742	10-Dec-91	13:03:37	1.5034	0.050
33582.544184	0.544184	6.3742	10-Dec-91	13:03:37	1.5106	0.050
33582.544186	0.544186	6.3669	10-Dec-91	13:03:38	1.5134	0.058
33582.544189	0.544189	6.3669	10-Dec-91	13:03:38	1.5178	0.058
33582.544192	0.544192	6.3742	10-Dec-91	13:03:38	1.5221	0.050
33582.544194	0.544194	6.3742	10-Dec-91	13:03:38	1.5250	0.050
33582.544197	0.544197	6.3742	10-Dec-91	13:03:39	1.5293	0.050
33582.5442	0.5442	6.3742	10-Dec-91	13:03:39	1.5336	0.050
33582.544205	0.544205	6.3742	10-Dec-91	13:03:39	1.5408	0.050
33582.544207	0.544207	6.3742	10-Dec-91	13:03:39	1.5437	0.050
33582.544211	0.544211	6.3742	10-Dec-91	13:03:40	1.5494	0.050
33582.544213	0.544213	6.3742	10-Dec-91	13:03:40	1.5523	0.050
33582.544215	0.544215	6.3669	10-Dec-91	13:03:40	1.5552	0.058
33582.544219	0.544219	6.3742	10-Dec-91	13:03:41	1.5610	0.050
33582.544221	0.544221	6.3742	10-Dec-91	13:03:41	1.5638	0.050
33582.544226	0.544226	6.3742	10-Dec-91	13:03:41	1.5710	0.050
33582.544228	0.544228	6.3742	10-Dec-91	13:03:41	1.5739	0.050
33582.544231	0.544231	6.3742	10-Dec-91	13:03:42	1.5782	0.050
33582.544234	0.544234	6.3742	10-Dec-91	13:03:42	1.5826	0.050
33582.544236	0.544236	6.3742	10-Dec-91	13:03:42	1.5854	0.050
33582.54424	0.54424	6.3742	10-Dec-91	13:03:42	1.5912	0.050
33582.544242	0.544242	6.3742	10-Dec-91	13:03:43	1.5941	0.050
33582.544247	0.544247	6.3742	10-Dec-91	13:03:43	1.6013	0.050

33582.544249	0.544249	6.3742	10-Dec-91	13:03:43	1.6042	0.050
33582.544252	0.544252	6.3742	10-Dec-91	13:03:43	1.6085	0.050
33582.544255	0.544255	6.3742	10-Dec-91	13:03:44	1.6128	0.050
33582.544257	0.544257	6.3742	10-Dec-91	13:03:44	1.6157	0.050
33582.54426	0.54426	6.3742	10-Dec-91	13:03:44	1.6200	0.050
33582.544263	0.544263	6.3669	10-Dec-91	13:03:44	1.6243	0.058
33582.544267	0.544267	6.3742	10-Dec-91	13:03:45	1.6301	0.050
33582.544271	0.544271	6.3742	10-Dec-91	13:03:45	1.6358	0.050
33582.544273	0.544273	6.3742	10-Dec-91	13:03:45	1.6387	0.050
33582.544275	0.544275	6.3742	10-Dec-91	13:03:45	1.6416	0.050
33582.544279	0.544279	6.3742	10-Dec-91	13:03:46	1.6474	0.050
33582.544281	0.544281	6.3742	10-Dec-91	13:03:46	1.6502	0.050
33582.544284	0.544284	6.3742	10-Dec-91	13:03:46	1.6546	0.050
33582.544288	0.544288	6.3669	10-Dec-91	13:03:46	1.6603	0.058
33582.544292	0.544292	6.3742	10-Dec-91	13:03:47	1.6661	0.050
33582.544294	0.544294	6.3742	10-Dec-91	13:03:47	1.6690	0.050
33582.544296	0.544296	6.3742	10-Dec-91	13:03:47	1.6718	0.050
33582.5443	0.5443	6.3742	10-Dec-91	13:03:48	1.6776	0.050
33582.544302	0.544302	6.3742	10-Dec-91	13:03:48	1.6805	0.050
33582.544304	0.544304	6.3742	10-Dec-91	13:03:48	1.6834	0.050
33582.544309	0.544309	6.3742	10-Dec-91	13:03:48	1.6906	0.050
33582.544313	0.544313	6.3742	10-Dec-91	13:03:49	1.6963	0.050
33582.544315	0.544315	6.3742	10-Dec-91	13:03:49	1.6992	0.050
33582.544317	0.544317	6.3742	10-Dec-91	13:03:49	1.7021	0.050
33582.544321	0.544321	6.3742	10-Dec-91	13:03:49	1.7078	0.050
33582.544323	0.544323	6.3742	10-Dec-91	13:03:50	1.7107	0.050
33582.544326	0.544326	6.3742	10-Dec-91	13:03:50	1.7150	0.050
33582.544331	0.544331	6.3742	10-Dec-91	13:03:50	1.7222	0.050
33582.544333	0.544333	6.3742	10-Dec-91	13:03:50	1.7251	0.050
33582.544336	0.544336	6.3742	10-Dec-91	13:03:51	1.7294	0.050
33582.544339	0.544339	6.3742	10-Dec-91	13:03:51	1.7338	0.050
33582.544341	0.544341	6.3742	10-Dec-91	13:03:51	1.7366	0.050
33582.544344	0.544344	6.3814	10-Dec-91	13:03:51	1.7410	0.043
33582.544347	0.544347	6.3742	10-Dec-91	13:03:52	1.7453	0.050
33582.544352	0.544352	6.3742	10-Dec-91	13:03:52	1.7525	0.050
33582.544354	0.544354	6.3742	10-Dec-91	13:03:52	1.7554	0.050
33582.544356	0.544356	6.3742	10-Dec-91	13:03:52	1.7582	0.050
33582.54436	0.54436	6.3742	10-Dec-91	13:03:53	1.7640	0.050
33582.544362	0.544362	6.3742	10-Dec-91	13:03:53	1.7669	0.050
33582.544365	0.544365	6.3814	10-Dec-91	13:03:53	1.7712	0.043
33582.544368	0.544368	6.3742	10-Dec-91	13:03:53	1.7755	0.050
33582.544373	0.544373	6.3742	10-Dec-91	13:03:54	1.7827	0.050
33582.544375	0.544375	6.3742	10-Dec-91	13:03:54	1.7856	0.050
33582.544378	0.544378	6.3814	10-Dec-91	13:03:54	1.7899	0.043
33582.544381	0.544381	6.3742	10-Dec-91	13:03:55	1.7942	0.050
33582.544383	0.544383	6.3742	10-Dec-91	13:03:55	1.7971	0.050
33582.544387	0.544387	6.3742	10-Dec-91	13:03:55	1.8029	0.050

33582.544389	0.544389	6.3742	10-Dec-91	13:03:55	1.8058	0.050
33582.544394	0.544394	6.3814	10-Dec-91	13:03:56	1.8130	0.043
33582.544396	0.544396	6.3814	10-Dec-91	13:03:56	1.8158	0.043
33582.544399	0.544399	6.3742	10-Dec-91	13:03:56	1.8202	0.050
33582.544402	0.544402	6.3742	10-Dec-91	13:03:56	1.8245	0.050
33582.544404	0.544404	6.3742	10-Dec-91	13:03:57	1.8274	0.050
33582.544407	0.544407	6.3742	10-Dec-91	13:03:57	1.8317	0.050
33582.54441	0.54441	6.3742	10-Dec-91	13:03:57	1.8360	0.050
33582.544414	0.544414	6.3814	10-Dec-91	13:03:57	1.8418	0.043
33582.544417	0.544417	6.3814	10-Dec-91	13:03:58	1.8461	0.043
33582.54442	0.54442	6.3742	10-Dec-91	13:03:58	1.8504	0.050
33582.544422	0.544422	6.3742	10-Dec-91	13:03:58	1.8533	0.050
33582.544425	0.544425	6.3814	10-Dec-91	13:03:58	1.8576	0.043
33582.544428	0.544428	6.3814	10-Dec-91	13:03:59	1.8619	0.043
33582.544431	0.544431	6.3814	10-Dec-91	13:03:59	1.8662	0.043
33582.544435	0.544435	6.3814	10-Dec-91	13:03:59	1.8720	0.043
33582.544439	0.544439	6.3814	10-Dec-91	13:04:00	1.8778	0.043
33582.544441	0.544441	6.3814	10-Dec-91	13:04:00	1.8806	0.043
33582.544443	0.544443	6.3814	10-Dec-91	13:04:00	1.8835	0.043
33582.544447	0.544447	6.3814	10-Dec-91	13:04:00	1.8893	0.043
33582.544449	0.544449	6.3742	10-Dec-91	13:04:00	1.8922	0.050
33582.544451	0.544451	6.3814	10-Dec-91	13:04:01	1.8950	0.043
33582.544456	0.544456	6.3814	10-Dec-91	13:04:01	1.9022	0.043
33582.544459	0.544459	6.3814	10-Dec-91	13:04:01	1.9066	0.043
33582.544462	0.544462	6.3814	10-Dec-91	13:04:02	1.9109	0.043
33582.544464	0.544464	6.3814	10-Dec-91	13:04:02	1.9138	0.043
33582.544468	0.544468	6.3814	10-Dec-91	13:04:02	1.9195	0.043
33582.54447	0.54447	6.3742	10-Dec-91	13:04:02	1.9224	0.050
33582.544472	0.544472	6.3814	10-Dec-91	13:04:02	1.9253	0.043
33582.544477	0.544477	6.3814	10-Dec-91	13:04:03	1.9325	0.043
33582.54448	0.54448	6.3814	10-Dec-91	13:04:03	1.9368	0.043
33582.544483	0.544483	6.3814	10-Dec-91	13:04:03	1.9411	0.043
33582.544485	0.544485	6.3814	10-Dec-91	13:04:04	1.9440	0.043
33582.544488	0.544488	6.3814	10-Dec-91	13:04:04	1.9483	0.043
33582.544491	0.544491	6.3814	10-Dec-91	13:04:04	1.9526	0.043
33582.544494	0.544494	6.3814	10-Dec-91	13:04:04	1.9570	0.043
33582.544499	0.544499	6.3814	10-Dec-91	13:04:05	1.9642	0.043
33582.544501	0.544501	6.3814	10-Dec-91	13:04:05	1.9670	0.043
33582.544503	0.544503	6.3814	10-Dec-91	13:04:05	1.9699	0.043
33582.544507	0.544507	6.3814	10-Dec-91	13:04:05	1.9757	0.043
33582.544509	0.544509	6.3814	10-Dec-91	13:04:06	1.9786	0.043
33582.544512	0.544512	6.3814	10-Dec-91	13:04:06	1.9829	0.043
33582.544515	0.544515	6.3814	10-Dec-91	13:04:06	1.9872	0.043
33582.54452	0.54452	6.3814	10-Dec-91	13:04:07	1.9944	0.043
33582.544522	0.544522	6.3814	10-Dec-91	13:04:07	1.9973	0.043
33582.544524	0.544524	6.3814	10-Dec-91	13:04:07	2.0002	0.043
33582.544528	0.544528	6.3814	10-Dec-91	13:04:07	2.0059	0.043

33582.54453	0.54453	6.3814	10-Dec-91	13:04:07	2.0088	0.043
33582.544532	0.544532	6.3814	10-Dec-91	13:04:08	2.0117	0.043
33582.544536	0.544536	6.3814	10-Dec-91	13:04:08	2.0174	0.043
33582.544541	0.544541	6.3814	10-Dec-91	13:04:08	2.0246	0.043
33582.544543	0.544543	6.3814	10-Dec-91	13:04:09	2.0275	0.043
33582.544546	0.544546	6.3814	10-Dec-91	13:04:09	2.0318	0.043
33582.544549	0.544549	6.3814	10-Dec-91	13:04:09	2.0362	0.043
33582.544551	0.544551	6.3814	10-Dec-91	13:04:09	2.0390	0.043
33582.544554	0.544554	6.3814	10-Dec-91	13:04:09	2.0434	0.043
33582.544557	0.544557	6.3814	10-Dec-91	13:04:10	2.0477	0.043
33582.544561	0.544561	6.3814	10-Dec-91	13:04:10	2.0534	0.043
33582.544564	0.544564	6.3814	10-Dec-91	13:04:10	2.0578	0.043
33582.544567	0.544567	6.3814	10-Dec-91	13:04:11	2.0621	0.043
33582.544569	0.544569	6.3814	10-Dec-91	13:04:11	2.0650	0.043
33582.544572	0.544572	6.3814	10-Dec-91	13:04:11	2.0693	0.043
33582.544575	0.544575	6.3814	10-Dec-91	13:04:11	2.0736	0.043
33582.544578	0.544578	6.3814	10-Dec-91	13:04:12	2.0779	0.043
33582.544582	0.544582	6.3814	10-Dec-91	13:04:12	2.0837	0.043
33582.544584	0.544584	6.3814	10-Dec-91	13:04:12	2.0866	0.043
33582.544588	0.544588	6.3814	10-Dec-91	13:04:12	2.0923	0.043
33582.54459	0.54459	6.3814	10-Dec-91	13:04:13	2.0952	0.043
33582.544593	0.544593	6.3742	10-Dec-91	13:04:13	2.0995	0.050
33582.544596	0.544596	6.3814	10-Dec-91	13:04:13	2.1038	0.043
33582.544598	0.544598	6.3814	10-Dec-91	13:04:13	2.1067	0.043
33582.544603	0.544603	6.3814	10-Dec-91	13:04:14	2.1139	0.043
33582.544606	0.544606	6.3814	10-Dec-91	13:04:14	2.1182	0.043
33582.544609	0.544609	6.3742	10-Dec-91	13:04:14	2.1226	0.050
33582.544611	0.544611	6.3814	10-Dec-91	13:04:14	2.1254	0.043
33582.544615	0.544615	6.3814	10-Dec-91	13:04:15	2.1312	0.043
33582.544617	0.544617	6.3814	10-Dec-91	13:04:15	2.1341	0.043
33582.544619	0.544619	6.3814	10-Dec-91	13:04:15	2.1370	0.043
33582.544624	0.544624	6.3814	10-Dec-91	13:04:16	2.1442	0.043
33582.544627	0.544627	6.3814	10-Dec-91	13:04:16	2.1485	0.043
33582.54463	0.54463	6.3814	10-Dec-91	13:04:16	2.1528	0.043
33582.544632	0.544632	6.3814	10-Dec-91	13:04:16	2.1557	0.043
33582.544635	0.544635	6.3814	10-Dec-91	13:04:16	2.1600	0.043
33582.544638	0.544638	6.3814	10-Dec-91	13:04:17	2.1643	0.043
33582.54464	0.54464	6.3814	10-Dec-91	13:04:17	2.1672	0.043
33582.544645	0.544645	6.3814	10-Dec-91	13:04:17	2.1744	0.043
33582.544648	0.544648	6.3814	10-Dec-91	13:04:18	2.1787	0.043
33582.54465	0.54465	6.3814	10-Dec-91	13:04:18	2.1816	0.043
33582.544653	0.544653	6.3814	10-Dec-91	13:04:18	2.1859	0.043
33582.544656	0.544656	6.3814	10-Dec-91	13:04:18	2.1902	0.043
33582.544659	0.544659	6.3814	10-Dec-91	13:04:19	2.1946	0.043
33582.544662	0.544662	6.3814	10-Dec-91	13:04:19	2.1989	0.043
33582.544667	0.544667	6.3814	10-Dec-91	13:04:19	2.2061	0.043
33582.544669	0.544669	6.3814	10-Dec-91	13:04:19	2.2090	0.043

33582.544671	0.544671	6.3814	10-Dec-91	13:04:20	2.2118	0.043
33582.544675	0.544675	6.3814	10-Dec-91	13:04:20	2.2176	0.043
33582.544677	0.544677	6.3814	10-Dec-91	13:04:20	2.2205	0.043
33582.544679	0.544679	6.3814	10-Dec-91	13:04:20	2.2234	0.043
33582.544683	0.544683	6.3814	10-Dec-91	13:04:21	2.2291	0.043
33582.544687	0.544687	6.3814	10-Dec-91	13:04:21	2.2349	0.043
33582.54469	0.54469	6.3814	10-Dec-91	13:04:21	2.2392	0.043
33582.544692	0.544692	6.3814	10-Dec-91	13:04:21	2.2421	0.043
33582.544696	0.544696	6.3814	10-Dec-91	13:04:22	2.2478	0.043
33582.544698	0.544698	6.3814	10-Dec-91	13:04:22	2.2507	0.043
33582.5447	0.5447	6.3814	10-Dec-91	13:04:22	2.2536	0.043
33582.544704	0.544704	6.3814	10-Dec-91	13:04:22	2.2594	0.043
33582.544708	0.544708	6.3742	10-Dec-91	13:04:23	2.2651	0.050
33582.544711	0.544711	6.3814	10-Dec-91	13:04:23	2.2694	0.043
33582.544713	0.544713	6.3814	10-Dec-91	13:04:23	2.2723	0.043
33582.544716	0.544716	6.3814	10-Dec-91	13:04:23	2.2766	0.043
33582.544719	0.544719	6.3814	10-Dec-91	13:04:24	2.2810	0.043
33582.544722	0.544722	6.3814	10-Dec-91	13:04:24	2.2853	0.043
33582.544725	0.544725	6.3814	10-Dec-91	13:04:24	2.2896	0.043
33582.544729	0.544729	6.3814	10-Dec-91	13:04:25	2.2954	0.043
33582.544731	0.544731	6.3814	10-Dec-91	13:04:25	2.2982	0.043
33582.544735	0.544735	6.3814	10-Dec-91	13:04:25	2.3040	0.043
33582.544737	0.544737	6.3814	10-Dec-91	13:04:25	2.3069	0.043
33582.54474	0.54474	6.3814	10-Dec-91	13:04:26	2.3112	0.043
33582.544743	0.544743	6.3814	10-Dec-91	13:04:26	2.3155	0.043
33582.544745	0.544745	6.3814	10-Dec-91	13:04:26	2.3184	0.043
33582.54475	0.54475	6.3814	10-Dec-91	13:04:26	2.3256	0.043
33582.544752	0.544752	6.3814	10-Dec-91	13:04:27	2.3285	0.043
33582.544756	0.544756	6.3814	10-Dec-91	13:04:27	2.3342	0.043
33582.544758	0.544758	6.3814	10-Dec-91	13:04:27	2.3371	0.043
33582.54476	0.54476	6.3814	10-Dec-91	13:04:27	2.3400	0.043
33582.544764	0.544764	6.3814	10-Dec-91	13:04:28	2.3458	0.043
33582.544766	0.544766	6.3814	10-Dec-91	13:04:28	2.3486	0.043
33582.544771	0.544771	6.3814	10-Dec-91	13:04:28	2.3558	0.043
33582.544774	0.544774	6.3814	10-Dec-91	13:04:28	2.3602	0.043
33582.544777	0.544777	6.3814	10-Dec-91	13:04:29	2.3645	0.043
33582.544779	0.544779	6.3814	10-Dec-91	13:04:29	2.3674	0.043
33582.544782	0.544782	6.3814	10-Dec-91	13:04:29	2.3717	0.043
33582.544785	0.544785	6.3814	10-Dec-91	13:04:29	2.3760	0.043
33582.544787	0.544787	6.3814	10-Dec-91	13:04:30	2.3789	0.043
33582.544792	0.544792	6.3814	10-Dec-91	13:04:30	2.3861	0.043
33582.544795	0.544795	6.3814	10-Dec-91	13:04:30	2.3904	0.043
33582.544797	0.544797	6.3814	10-Dec-91	13:04:30	2.3933	0.043
33582.5448	0.5448	6.3814	10-Dec-91	13:04:31	2.3976	0.043
33582.544803	0.544803	6.3814	10-Dec-91	13:04:31	2.4019	0.043
33582.544806	0.544806	6.3814	10-Dec-91	13:04:31	2.4062	0.043
33582.544808	0.544808	6.3814	10-Dec-91	13:04:31	2.4091	0.043

33582.544813	0.544813	6.3814	10-Dec-91	13:04:32	2.4163	0.043
33582.544816	0.544816	6.3814	10-Dec-91	13:04:32	2.4206	0.043
33582.544818	0.544818	6.3814	10-Dec-91	13:04:32	2.4235	0.043
33582.544821	0.544821	6.3814	10-Dec-91	13:04:33	2.4278	0.043
33582.544824	0.544824	6.3814	10-Dec-91	13:04:33	2.4322	0.043
33582.544826	0.544826	6.3814	10-Dec-91	13:04:33	2.4350	0.043
33582.54483	0.54483	6.3814	10-Dec-91	13:04:33	2.4408	0.043
33582.544834	0.544834	6.3814	10-Dec-91	13:04:34	2.4466	0.043
33582.544837	0.544837	6.3814	10-Dec-91	13:04:34	2.4509	0.043
33582.544839	0.544839	6.3814	10-Dec-91	13:04:34	2.4538	0.043
33582.544843	0.544843	6.3814	10-Dec-91	13:04:34	2.4595	0.043
33582.544845	0.544845	6.3886	10-Dec-91	13:04:35	2.4624	0.036
33582.544847	0.544847	6.3814	10-Dec-91	13:04:35	2.4653	0.043
33582.544851	0.544851	6.3814	10-Dec-91	13:04:35	2.4710	0.043
33582.544855	0.544855	6.3814	10-Dec-91	13:04:35	2.4768	0.043
33582.544858	0.544858	6.3814	10-Dec-91	13:04:36	2.4811	0.043
33582.54486	0.54486	6.3814	10-Dec-91	13:04:36	2.4840	0.043
33582.544863	0.544863	6.3814	10-Dec-91	13:04:36	2.4883	0.043
33582.544866	0.544866	6.3814	10-Dec-91	13:04:36	2.4926	0.043
33582.544868	0.544868	6.3814	10-Dec-91	13:04:37	2.4955	0.043
33582.544872	0.544872	6.3814	10-Dec-91	13:04:37	2.5013	0.043
33582.544876	0.544876	6.3814	10-Dec-91	13:04:37	2.5070	0.043
33582.544878	0.544878	6.3814	10-Dec-91	13:04:37	2.5099	0.043
33582.544881	0.544881	6.3886	10-Dec-91	13:04:38	2.5142	0.036
33582.544884	0.544884	6.3814	10-Dec-91	13:04:38	2.5186	0.043
33582.544887	0.544887	6.3814	10-Dec-91	13:04:38	2.5229	0.043
33582.54489	0.54489	6.3814	10-Dec-91	13:04:38	2.5272	0.043
33582.544892	0.544892	6.3814	10-Dec-91	13:04:39	2.5301	0.043
33582.544897	0.544897	6.3886	10-Dec-91	13:04:39	2.5373	0.036
33582.544899	0.544899	6.3814	10-Dec-91	13:04:39	2.5402	0.043
33582.544903	0.544903	6.3814	10-Dec-91	13:04:40	2.5459	0.043
33582.544905	0.544905	6.3814	10-Dec-91	13:04:40	2.5488	0.043
33582.544907	0.544907	6.3814	10-Dec-91	13:04:40	2.5517	0.043
33582.544911	0.544911	6.3814	10-Dec-91	13:04:40	2.5574	0.043
33582.544913	0.544913	6.3814	10-Dec-91	13:04:40	2.5603	0.043
33582.544918	0.544918	6.3814	10-Dec-91	13:04:41	2.5675	0.043
33582.54492	0.54492	6.3814	10-Dec-91	13:04:41	2.5704	0.043
33582.544924	0.544924	6.3814	10-Dec-91	13:04:41	2.5762	0.043
33582.544926	0.544926	6.3814	10-Dec-91	13:04:42	2.5790	0.043
33582.544928	0.544928	6.3814	10-Dec-91	13:04:42	2.5819	0.043
33582.544932	0.544932	6.3814	10-Dec-91	13:04:42	2.5877	0.043
33582.544934	0.544934	6.3814	10-Dec-91	13:04:42	2.5906	0.043
33582.544939	0.544939	6.3814	10-Dec-91	13:04:43	2.5978	0.043
33582.544941	0.544941	6.3814	10-Dec-91	13:04:43	2.6006	0.043
33582.544944	0.544944	6.3814	10-Dec-91	13:04:43	2.6050	0.043
33582.544947	0.544947	6.3814	10-Dec-91	13:04:43	2.6093	0.043
33582.54495	0.54495	6.3814	10-Dec-91	13:04:44	2.6136	0.043

33582.544953	0.544953	6.3814	10-Dec-91	13:04:44	2.6179	0.043
33582.544955	0.544955	6.3814	10-Dec-91	13:04:44	2.6208	0.043
33582.544959	0.544959	6.3886	10-Dec-91	13:04:44	2.6266	0.036
33582.544963	0.544963	6.3886	10-Dec-91	13:04:45	2.6323	0.036
33582.544965	0.544965	6.3886	10-Dec-91	13:04:45	2.6352	0.036
33582.544968	0.544968	6.3814	10-Dec-91	13:04:45	2.6395	0.043
33582.544971	0.544971	6.3886	10-Dec-91	13:04:45	2.6438	0.036
33582.544973	0.544973	6.3814	10-Dec-91	13:04:46	2.6467	0.043
33582.544976	0.544976	6.3886	10-Dec-91	13:04:46	2.6510	0.036
33582.54498	0.54498	6.3814	10-Dec-91	13:04:46	2.6568	0.043
33582.544984	0.544984	6.3886	10-Dec-91	13:04:47	2.6626	0.036
33582.544986	0.544986	6.3814	10-Dec-91	13:04:47	2.6654	0.043
33582.544988	0.544988	6.3814	10-Dec-91	13:04:47	2.6683	0.043
33582.544992	0.544992	6.3886	10-Dec-91	13:04:47	2.6741	0.036
33582.544994	0.544994	6.3814	10-Dec-91	13:04:47	2.6770	0.043
33582.544997	0.544997	6.3814	10-Dec-91	13:04:48	2.6813	0.043
33582.545001	0.545001	6.3814	10-Dec-91	13:04:48	2.6870	0.043
33582.545005	0.545005	6.3886	10-Dec-91	13:04:48	2.6928	0.036
33582.545007	0.545007	6.3886	10-Dec-91	13:04:49	2.6957	0.036
33582.54501	0.54501	6.3886	10-Dec-91	13:04:49	2.7000	0.036
33582.545013	0.545013	6.3886	10-Dec-91	13:04:49	2.7043	0.036
33582.545015	0.545015	6.3886	10-Dec-91	13:04:49	2.7072	0.036
33582.545019	0.545019	6.3886	10-Dec-91	13:04:50	2.7130	0.036
33582.545023	0.545023	6.3814	10-Dec-91	13:04:50	2.7187	0.043
33582.545025	0.545025	6.3886	10-Dec-91	13:04:50	2.7216	0.036
33582.545028	0.545028	6.3886	10-Dec-91	13:04:50	2.7259	0.036
33582.545031	0.545031	6.3814	10-Dec-91	13:04:51	2.7302	0.043
33582.545034	0.545034	6.3814	10-Dec-91	13:04:51	2.7346	0.043
33582.545036	0.545036	6.3814	10-Dec-91	13:04:51	2.7374	0.043
33582.545039	0.545039	6.3886	10-Dec-91	13:04:51	2.7418	0.036
33582.545044	0.545044	6.3886	10-Dec-91	13:04:52	2.7490	0.036
33582.545046	0.545046	6.3814	10-Dec-91	13:04:52	2.7518	0.043
33582.545049	0.545049	6.3886	10-Dec-91	13:04:52	2.7562	0.036
33582.545052	0.545052	6.3886	10-Dec-91	13:04:52	2.7605	0.036
33582.545054	0.545054	6.3886	10-Dec-91	13:04:53	2.7634	0.036
33582.545057	0.545057	6.3886	10-Dec-91	13:04:53	2.7677	0.036
33582.54506	0.54506	6.3814	10-Dec-91	13:04:53	2.7720	0.043
33582.545065	0.545065	6.3886	10-Dec-91	13:04:54	2.7792	0.036
33582.545067	0.545067	6.3814	10-Dec-91	13:04:54	2.7821	0.043
33582.545071	0.545071	6.3886	10-Dec-91	13:04:54	2.7878	0.036
33582.545073	0.545073	6.3814	10-Dec-91	13:04:54	2.7907	0.043
33582.545075	0.545075	6.3886	10-Dec-91	13:04:54	2.7936	0.036
33582.545079	0.545079	6.3886	10-Dec-91	13:04:55	2.7994	0.036
33582.545081	0.545081	6.3886	10-Dec-91	13:04:55	2.8022	0.036
33582.545086	0.545086	6.3886	10-Dec-91	13:04:55	2.8094	0.036
33582.545088	0.545088	6.3814	10-Dec-91	13:04:56	2.8123	0.043
33582.545091	0.545091	6.3814	10-Dec-91	13:04:56	2.8166	0.043

33582.545094	0.545094	6.3886	10-Dec-91	13:04:56	2.8210	0.036
33582.545096	0.545096	6.3886	10-Dec-91	13:04:56	2.8238	0.036
33582.5451	0.5451	6.3814	10-Dec-91	13:04:57	2.8296	0.043
33582.545102	0.545102	6.3886	10-Dec-91	13:04:57	2.8325	0.036
33582.545106	0.545106	6.3886	10-Dec-91	13:04:57	2.8382	0.036
33582.545109	0.545109	6.3814	10-Dec-91	13:04:57	2.8426	0.043
33582.545112	0.545112	6.3886	10-Dec-91	13:04:58	2.8469	0.036
33582.545115	0.545115	6.3886	10-Dec-91	13:04:58	2.8512	0.036
33582.545117	0.545117	6.3886	10-Dec-91	13:04:58	2.8541	0.036
33582.54512	0.54512	6.3886	10-Dec-91	13:04:58	2.8584	0.036
33582.545123	0.545123	6.3814	10-Dec-91	13:04:59	2.8627	0.043
33582.545127	0.545127	6.3886	10-Dec-91	13:04:59	2.8685	0.036
33582.545131	0.545131	6.3886	10-Dec-91	13:04:59	2.8742	0.036
33582.545133	0.545133	6.3886	10-Dec-91	13:04:59	2.8771	0.036
33582.545135	0.545135	6.3814	10-Dec-91	13:05:00	2.8800	0.043
33582.545139	0.545139	6.3886	10-Dec-91	13:05:00	2.8858	0.036
33582.545141	0.545141	6.3886	10-Dec-91	13:05:00	2.8886	0.036
33582.545144	0.545144	6.3886	10-Dec-91	13:05:00	2.8930	0.036
33582.545148	0.545148	6.3886	10-Dec-91	13:05:01	2.8987	0.036
33582.545152	0.545152	6.3886	10-Dec-91	13:05:01	2.9045	0.036
33582.545154	0.545154	6.3886	10-Dec-91	13:05:01	2.9074	0.036
33582.545156	0.545156	6.3814	10-Dec-91	13:05:01	2.9102	0.043
33582.54516	0.54516	6.3886	10-Dec-91	13:05:02	2.9160	0.036
33582.545162	0.545162	6.3886	10-Dec-91	13:05:02	2.9189	0.036
33582.545164	0.545164	6.3886	10-Dec-91	13:05:02	2.9218	0.036
33582.545169	0.545169	6.3886	10-Dec-91	13:05:03	2.9290	0.036
33582.545172	0.545172	6.3814	10-Dec-91	13:05:03	2.9333	0.043
33582.545175	0.545175	6.3814	10-Dec-91	13:05:03	2.9376	0.043
33582.545178	0.545178	6.3886	10-Dec-91	13:05:03	2.9419	0.036
33582.545181	0.545181	6.3886	10-Dec-91	13:05:04	2.9462	0.036
33582.545183	0.545183	6.3814	10-Dec-91	13:05:04	2.9491	0.043
33582.545186	0.545186	6.3886	10-Dec-91	13:05:04	2.9534	0.036
33582.545191	0.545191	6.3886	10-Dec-91	13:05:05	2.9606	0.036
33582.545193	0.545193	6.3886	10-Dec-91	13:05:05	2.9635	0.036
33582.545196	0.545196	6.3886	10-Dec-91	13:05:05	2.9678	0.036
33582.545199	0.545199	6.3814	10-Dec-91	13:05:05	2.9722	0.043
33582.545201	0.545201	6.3886	10-Dec-91	13:05:05	2.9750	0.036
33582.545204	0.545204	6.3886	10-Dec-91	13:05:06	2.9794	0.036
33582.545207	0.545207	6.3886	10-Dec-91	13:05:06	2.9837	0.036
33582.545212	0.545212	6.3886	10-Dec-91	13:05:06	2.9909	0.036
33582.545214	0.545214	6.3886	10-Dec-91	13:05:06	2.9938	0.036
33582.545216	0.545216	6.3886	10-Dec-91	13:05:07	2.9966	0.036
33582.54522	0.54522	6.3886	10-Dec-91	13:05:07	3.0024	0.036
33582.545222	0.545222	6.3886	10-Dec-91	13:05:07	3.0053	0.036
33582.545225	0.545225	6.3886	10-Dec-91	13:05:07	3.0096	0.036
33582.545228	0.545228	6.3886	10-Dec-91	13:05:08	3.0139	0.036
33582.545233	0.545233	6.3886	10-Dec-91	13:05:08	3.0211	0.036

33582.545235	0.545235	6.3886	10-Dec-91	13:05:08	3.0240	0.036
33582.545238	0.545238	6.3886	10-Dec-91	13:05:09	3.0283	0.036
33582.545241	0.545241	6.3886	10-Dec-91	13:05:09	3.0326	0.036
33582.545243	0.545243	6.3886	10-Dec-91	13:05:09	3.0355	0.036
33582.545247	0.545247	6.3886	10-Dec-91	13:05:09	3.0413	0.036
33582.545249	0.545249	6.3886	10-Dec-91	13:05:10	3.0442	0.036
33582.545253	0.545253	6.3886	10-Dec-91	13:05:10	3.0499	0.036
33582.545256	0.545256	6.3814	10-Dec-91	13:05:10	3.0542	0.043
33582.545259	0.545259	6.3886	10-Dec-91	13:05:10	3.0586	0.036
33582.545262	0.545262	6.3886	10-Dec-91	13:05:11	3.0629	0.036
33582.545264	0.545264	6.3886	10-Dec-91	13:05:11	3.0658	0.036
33582.545267	0.545267	6.3886	10-Dec-91	13:05:11	3.0701	0.036
33582.54527	0.54527	6.3886	10-Dec-91	13:05:11	3.0744	0.036
33582.545274	0.545274	6.3886	10-Dec-91	13:05:12	3.0802	0.036
33582.545277	0.545277	6.3886	10-Dec-91	13:05:12	3.0845	0.036
33582.54528	0.54528	6.3886	10-Dec-91	13:05:12	3.0888	0.036
33582.545282	0.545282	6.3886	10-Dec-91	13:05:12	3.0917	0.036
33582.545285	0.545285	6.3886	10-Dec-91	13:05:13	3.0960	0.036
33582.545288	0.545288	6.3886	10-Dec-91	13:05:13	3.1003	0.036
33582.545291	0.545291	6.3886	10-Dec-91	13:05:13	3.1046	0.036
33582.545295	0.545295	6.3886	10-Dec-91	13:05:13	3.1104	0.036
33582.545299	0.545299	6.3886	10-Dec-91	13:05:14	3.1162	0.036
33582.545301	0.545301	6.3886	10-Dec-91	13:05:14	3.1190	0.036
33582.545303	0.545303	6.3814	10-Dec-91	13:05:14	3.1219	0.043
33582.545307	0.545307	6.3886	10-Dec-91	13:05:15	3.1277	0.036
33582.545309	0.545309	6.3814	10-Dec-91	13:05:15	3.1306	0.043
33582.545311	0.545311	6.3886	10-Dec-91	13:05:15	3.1334	0.036
33582.545316	0.545316	6.3886	10-Dec-91	13:05:15	3.1406	0.036
33582.545319	0.545319	6.3886	10-Dec-91	13:05:16	3.1450	0.036
33582.545322	0.545322	6.3886	10-Dec-91	13:05:16	3.1493	0.036
33582.545324	0.545324	6.3886	10-Dec-91	13:05:16	3.1522	0.036
33582.545328	0.545328	6.3886	10-Dec-91	13:05:16	3.1579	0.036
33582.54533	0.54533	6.3886	10-Dec-91	13:05:17	3.1608	0.036
33582.545332	0.545332	6.3886	10-Dec-91	13:05:17	3.1637	0.036
33582.545337	0.545337	6.3886	10-Dec-91	13:05:17	3.1709	0.036
33582.54534	0.54534	6.3886	10-Dec-91	13:05:17	3.1752	0.036
33582.545343	0.545343	6.3886	10-Dec-91	13:05:18	3.1795	0.036
33582.545345	0.545345	6.3886	10-Dec-91	13:05:18	3.1824	0.036
33582.545348	0.545348	6.3886	10-Dec-91	13:05:18	3.1867	0.036
33582.545351	0.545351	6.3886	10-Dec-91	13:05:18	3.1910	0.036
33582.545354	0.545354	6.3886	10-Dec-91	13:05:19	3.1954	0.036
33582.545359	0.545359	6.3886	10-Dec-91	13:05:19	3.2026	0.036
33582.545361	0.545361	6.3886	10-Dec-91	13:05:19	3.2054	0.036
33582.545363	0.545363	6.3886	10-Dec-91	13:05:19	3.2083	0.036
33582.545367	0.545367	6.3886	10-Dec-91	13:05:20	3.2141	0.036
33582.545369	0.545369	6.3886	10-Dec-91	13:05:20	3.2170	0.036
33582.545372	0.545372	6.3886	10-Dec-91	13:05:20	3.2213	0.036

33582.545375	0.545375	6.3886	10-Dec-91	13:05:20	3.2256	0.036
33582.54538	0.54538	6.3886	10-Dec-91	13:05:21	3.2328	0.036
33582.545382	0.545382	6.3886	10-Dec-91	13:05:21	3.2357	0.036
33582.545384	0.545384	6.3886	10-Dec-91	13:05:21	3.2386	0.036
33582.545388	0.545388	6.3886	10-Dec-91	13:05:22	3.2443	0.036
33582.54539	0.54539	6.3886	10-Dec-91	13:05:22	3.2472	0.036
33582.545392	0.545392	6.3886	10-Dec-91	13:05:22	3.2501	0.036
33582.545396	0.545396	6.3886	10-Dec-91	13:05:22	3.2558	0.036
33582.5454	0.5454	6.3886	10-Dec-91	13:05:23	3.2616	0.036
33582.545403	0.545403	6.3886	10-Dec-91	13:05:23	3.2659	0.036
33582.545406	0.545406	6.3886	10-Dec-91	13:05:23	3.2702	0.036
33582.545409	0.545409	6.3886	10-Dec-91	13:05:23	3.2746	0.036
33582.545411	0.545411	6.3886	10-Dec-91	13:05:24	3.2774	0.036
33582.545414	0.545414	6.3886	10-Dec-91	13:05:24	3.2818	0.036
33582.545417	0.545417	6.3886	10-Dec-91	13:05:24	3.2861	0.036
33582.545421	0.545421	6.3886	10-Dec-91	13:05:24	3.2918	0.036
33582.545424	0.545424	6.3886	10-Dec-91	13:05:25	3.2962	0.036
33582.545427	0.545427	6.3886	10-Dec-91	13:05:25	3.3005	0.036
33582.545429	0.545429	6.3886	10-Dec-91	13:05:25	3.3034	0.036
33582.545432	0.545432	6.3886	10-Dec-91	13:05:25	3.3077	0.036
33582.545435	0.545435	6.3886	10-Dec-91	13:05:26	3.3120	0.036
33582.545437	0.545437	6.3886	10-Dec-91	13:05:26	3.3149	0.036
33582.545442	0.545442	6.3886	10-Dec-91	13:05:26	3.3221	0.036
33582.545444	0.545444	6.3886	10-Dec-91	13:05:26	3.3250	0.036
33582.545448	0.545448	6.3886	10-Dec-91	13:05:27	3.3307	0.036
33582.54545	0.54545	6.3886	10-Dec-91	13:05:27	3.3336	0.036
33582.545453	0.545453	6.3886	10-Dec-91	13:05:27	3.3379	0.036
33582.545456	0.545456	6.3886	10-Dec-91	13:05:27	3.3422	0.036
33582.545458	0.545458	6.3886	10-Dec-91	13:05:28	3.3451	0.036
33582.545463	0.545463	6.3886	10-Dec-91	13:05:28	3.3523	0.036
33582.545466	0.545466	6.3886	10-Dec-91	13:05:28	3.3566	0.036
33582.545469	0.545469	6.3886	10-Dec-91	13:05:29	3.3610	0.036
33582.545471	0.545471	6.3886	10-Dec-91	13:05:29	3.3638	0.036
33582.545475	0.545475	6.3886	10-Dec-91	13:05:29	3.3696	0.036
33582.545477	0.545477	6.3886	10-Dec-91	13:05:29	3.3725	0.036
33582.545479	0.545479	6.3886	10-Dec-91	13:05:29	3.3754	0.036
33582.545484	0.545484	6.3886	10-Dec-91	13:05:30	3.3826	0.036
33582.545487	0.545487	6.3886	10-Dec-91	13:05:30	3.3869	0.036
33582.54549	0.54549	6.3886	10-Dec-91	13:05:30	3.3912	0.036
33582.545492	0.545492	6.3886	10-Dec-91	13:05:31	3.3941	0.036
33582.545495	0.545495	6.3886	10-Dec-91	13:05:31	3.3984	0.036
33582.545498	0.545498	6.3886	10-Dec-91	13:05:31	3.4027	0.036
33582.5455	0.5455	6.3886	10-Dec-91	13:05:31	3.4056	0.036
33582.545505	0.545505	6.3886	10-Dec-91	13:05:32	3.4128	0.036
33582.545508	0.545508	6.3886	10-Dec-91	13:05:32	3.4171	0.036
33582.54551	0.54551	6.3886	10-Dec-91	13:05:32	3.4200	0.036
33582.545513	0.545513	6.3886	10-Dec-91	13:05:32	3.4243	0.036

33582.545516	0.545516	6.3886	10-Dec-91	13:05:33	3.4286	0.036
33582.545519	0.545519	6.3886	10-Dec-91	13:05:33	3.4330	0.036
33582.545522	0.545522	6.3886	10-Dec-91	13:05:33	3.4373	0.036
33582.545527	0.545527	6.3886	10-Dec-91	13:05:34	3.4445	0.036
33582.545529	0.545529	6.3886	10-Dec-91	13:05:34	3.4474	0.036
33582.545531	0.545531	6.3886	10-Dec-91	13:05:34	3.4502	0.036
33582.545535	0.545535	6.3886	10-Dec-91	13:05:34	3.4560	0.036
33582.545537	0.545537	6.3886	10-Dec-91	13:05:34	3.4589	0.036
33582.545539	0.545539	6.3886	10-Dec-91	13:05:35	3.4618	0.036
33582.545543	0.545543	6.3886	10-Dec-91	13:05:35	3.4675	0.036
33582.545547	0.545547	6.3886	10-Dec-91	13:05:35	3.4733	0.036
33582.54555	0.54555	6.3886	10-Dec-91	13:05:36	3.4776	0.036
33582.545552	0.545552	6.3886	10-Dec-91	13:05:36	3.4805	0.036
33582.545556	0.545556	6.3886	10-Dec-91	13:05:36	3.4862	0.036
33582.545558	0.545558	6.3886	10-Dec-91	13:05:36	3.4891	0.036
33582.54556	0.54556	6.3886	10-Dec-91	13:05:36	3.4920	0.036
33582.545564	0.545564	6.3886	10-Dec-91	13:05:37	3.4978	0.036
33582.545568	0.545568	6.3886	10-Dec-91	13:05:37	3.5035	0.036
33582.545571	0.545571	6.3886	10-Dec-91	13:05:37	3.5078	0.036
33582.545574	0.545574	6.3886	10-Dec-91	13:05:38	3.5122	0.036
33582.545576	0.545576	6.3886	10-Dec-91	13:05:38	3.5150	0.036
33582.545579	0.545579	6.3886	10-Dec-91	13:05:38	3.5194	0.036
33582.545582	0.545582	6.3886	10-Dec-91	13:05:38	3.5237	0.036
33582.545584	0.545584	6.3886	10-Dec-91	13:05:38	3.5266	0.036
33582.545589	0.545589	6.3886	10-Dec-91	13:05:39	3.5338	0.036
33582.545591	0.545591	6.3886	10-Dec-91	13:05:39	3.5366	0.036
33582.545595	0.545595	6.3886	10-Dec-91	13:05:39	3.5424	0.036
33582.545597	0.545597	6.3886	10-Dec-91	13:05:40	3.5453	0.036
33582.5456	0.5456	6.3886	10-Dec-91	13:05:40	3.5496	0.036
33582.545603	0.545603	6.3886	10-Dec-91	13:05:40	3.5539	0.036
33582.545605	0.545605	6.3886	10-Dec-91	13:05:40	3.5568	0.036
33582.54561	0.54561	6.3886	10-Dec-91	13:05:41	3.5640	0.036
33582.545612	0.545612	6.3886	10-Dec-91	13:05:41	3.5669	0.036
33582.545616	0.545616	6.3886	10-Dec-91	13:05:41	3.5726	0.036
33582.545618	0.545618	6.3886	10-Dec-91	13:05:41	3.5755	0.036
33582.54562	0.54562	6.3886	10-Dec-91	13:05:42	3.5784	0.036
33582.545624	0.545624	6.3886	10-Dec-91	13:05:42	3.5842	0.036
33582.545626	0.545626	6.3886	10-Dec-91	13:05:42	3.5870	0.036
33582.545631	0.545631	6.3886	10-Dec-91	13:05:43	3.5942	0.036
33582.545634	0.545634	6.3886	10-Dec-91	13:05:43	3.5986	0.036
33582.545637	0.545637	6.3886	10-Dec-91	13:05:43	3.6029	0.036
33582.545639	0.545639	6.3814	10-Dec-91	13:05:43	3.6058	0.043
33582.545642	0.545642	6.3886	10-Dec-91	13:05:43	3.6101	0.036
33582.545645	0.545645	6.3886	10-Dec-91	13:05:44	3.6144	0.036
33582.545647	0.545647	6.3886	10-Dec-91	13:05:44	3.6173	0.036
33582.545652	0.545652	6.3886	10-Dec-91	13:05:44	3.6245	0.036
33582.545655	0.545655	6.3886	10-Dec-91	13:05:45	3.6288	0.036

33582.545657	0.545657	6.3886	10-Dec-91	13:05:45	3.6317	0.036
33582.54566	0.54566	6.3886	10-Dec-91	13:05:45	3.6360	0.036
33582.545663	0.545663	6.3886	10-Dec-91	13:05:45	3.6403	0.036
33582.545666	0.545666	6.3886	10-Dec-91	13:05:46	3.6446	0.036
33582.545668	0.545668	6.3886	10-Dec-91	13:05:46	3.6475	0.036
33582.545672	0.545672	6.3886	10-Dec-91	13:05:46	3.6533	0.036
33582.545676	0.545676	6.3886	10-Dec-91	13:05:46	3.6590	0.036
33582.545678	0.545678	6.3886	10-Dec-91	13:05:47	3.6619	0.036
33582.545681	0.545681	6.3886	10-Dec-91	13:05:47	3.6662	0.036
33582.545684	0.545684	6.3886	10-Dec-91	13:05:47	3.6706	0.036
33582.545686	0.545686	6.3886	10-Dec-91	13:05:47	3.6734	0.036
33582.54569	0.54569	6.3886	10-Dec-91	13:05:48	3.6792	0.036
33582.545694	0.545694	6.3886	10-Dec-91	13:05:48	3.6850	0.036
33582.545697	0.545697	6.3886	10-Dec-91	13:05:48	3.6893	0.036
33582.545699	0.545699	6.3886	10-Dec-91	13:05:48	3.6922	0.036
33582.545703	0.545703	6.3886	10-Dec-91	13:05:49	3.6979	0.036
33582.545705	0.545705	6.3886	10-Dec-91	13:05:49	3.7008	0.036
33582.545707	0.545707	6.3886	10-Dec-91	13:05:49	3.7037	0.036
33582.545711	0.545711	6.3886	10-Dec-91	13:05:49	3.7094	0.036
33582.545715	0.545715	6.3886	10-Dec-91	13:05:50	3.7152	0.036
33582.545718	0.545718	6.3886	10-Dec-91	13:05:50	3.7195	0.036
33582.54572	0.54572	6.3886	10-Dec-91	13:05:50	3.7224	0.036
33582.545723	0.545723	6.3886	10-Dec-91	13:05:50	3.7267	0.036
33582.545726	0.545726	6.3886	10-Dec-91	13:05:51	3.7310	0.036
33582.545728	0.545728	6.3886	10-Dec-91	13:05:51	3.7339	0.036
33582.545731	0.545731	6.3886	10-Dec-91	13:05:51	3.7382	0.036
33582.545736	0.545736	6.3886	10-Dec-91	13:05:52	3.7454	0.036
33582.545738	0.545738	6.3886	10-Dec-91	13:05:52	3.7483	0.036
33582.545741	0.545741	6.3886	10-Dec-91	13:05:52	3.7526	0.036
33582.545744	0.545744	6.3886	10-Dec-91	13:05:52	3.7570	0.036
33582.545747	0.545747	6.3886	10-Dec-91	13:05:53	3.7613	0.036
33582.54575	0.54575	6.3886	10-Dec-91	13:05:53	3.7656	0.036
33582.545752	0.545752	6.3886	10-Dec-91	13:05:53	3.7685	0.036
33582.545757	0.545757	6.3886	10-Dec-91	13:05:53	3.7757	0.036
33582.545759	0.545759	6.3886	10-Dec-91	13:05:54	3.7786	0.036
33582.545763	0.545763	6.3886	10-Dec-91	13:05:54	3.7843	0.036
33582.545765	0.545765	6.3886	10-Dec-91	13:05:54	3.7872	0.036
33582.545767	0.545767	6.3886	10-Dec-91	13:05:54	3.7901	0.036
33582.545771	0.545771	6.3886	10-Dec-91	13:05:55	3.7958	0.036
33582.545773	0.545773	6.3886	10-Dec-91	13:05:55	3.7987	0.036
33582.545778	0.545778	6.3886	10-Dec-91	13:05:55	3.8059	0.036
33582.54578	0.54578	6.3886	10-Dec-91	13:05:55	3.8088	0.036
33582.545784	0.545784	6.3886	10-Dec-91	13:05:56	3.8146	0.036
33582.545786	0.545786	6.3886	10-Dec-91	13:05:56	3.8174	0.036
33582.545788	0.545788	6.3886	10-Dec-91	13:05:56	3.8203	0.036
33582.545792	0.545792	6.3886	10-Dec-91	13:05:56	3.8261	0.036
33582.545794	0.545794	6.3886	10-Dec-91	13:05:57	3.8290	0.036

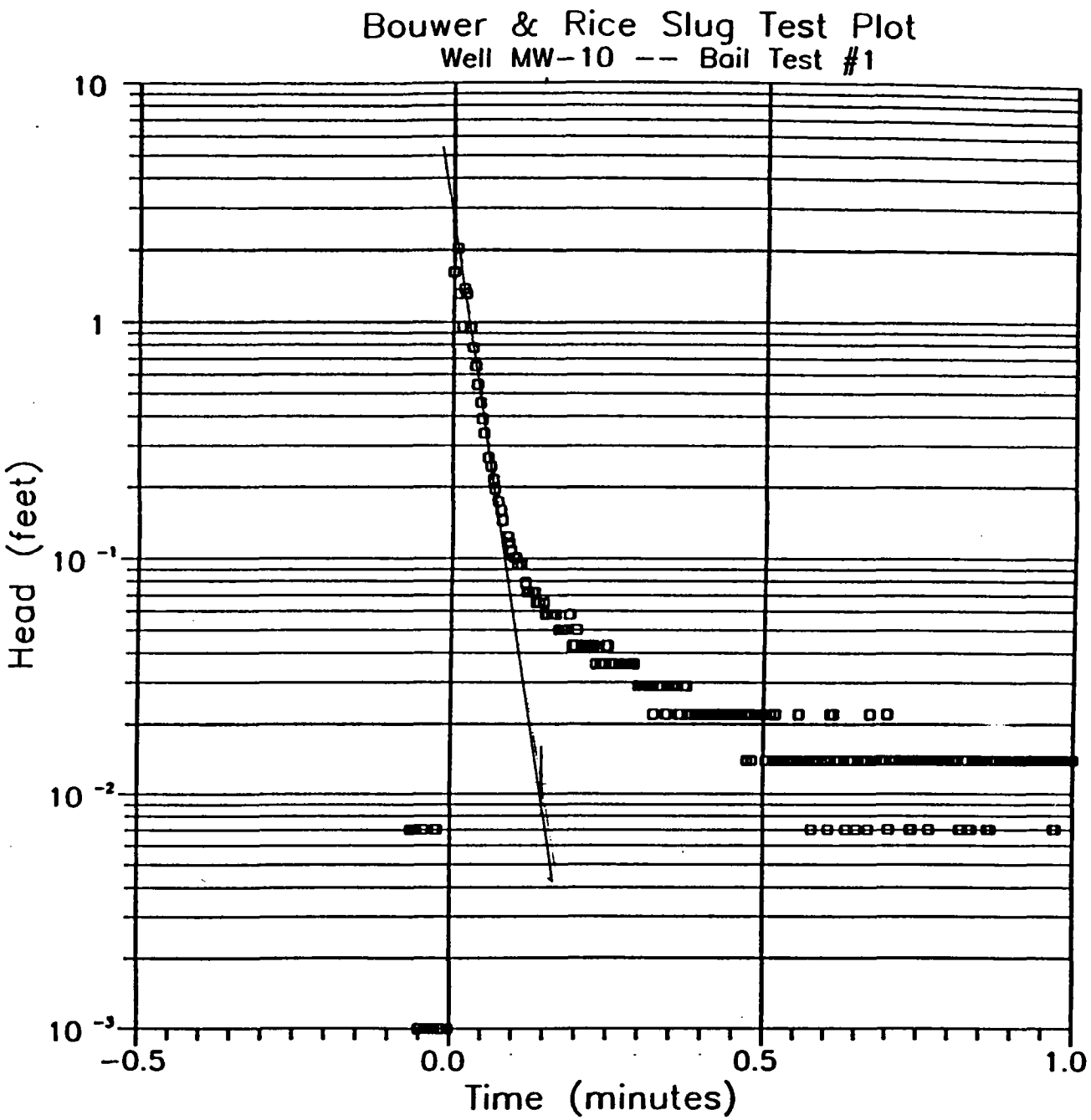
33582.545799	0.545799	6.3886	10-Dec-91	13:05:57	3.8362	0.036
33582.545802	0.545802	6.3886	10-Dec-91	13:05:57	3.8405	0.036
33582.545804	0.545804	6.3886	10-Dec-91	13:05:57	3.8434	0.036
33582.545807	0.545807	6.3886	10-Dec-91	13:05:58	3.8477	0.036
33582.54581	0.54581	6.3886	10-Dec-91	13:05:58	3.8520	0.036
33582.545812	0.545812	6.3886	10-Dec-91	13:05:58	3.8549	0.036
33582.545815	0.545815	6.3886	10-Dec-91	13:05:58	3.8592	0.036
33582.545819	0.545819	6.3886	10-Dec-91	13:05:59	3.8650	0.036
33582.545823	0.545823	6.3886	10-Dec-91	13:05:59	3.8707	0.036
33582.545825	0.545825	6.3886	10-Dec-91	13:05:59	3.8736	0.036
33582.545828	0.545828	6.3886	10-Dec-91	13:06:00	3.8779	0.036
33582.545831	0.545831	6.3886	10-Dec-91	13:06:00	3.8822	0.036
33582.545833	0.545833	6.3886	10-Dec-91	13:06:00	3.8851	0.036
33582.545836	0.545836	6.3886	10-Dec-91	13:06:00	3.8894	0.036
33582.54584	0.54584	6.3886	10-Dec-91	13:06:01	3.8952	0.036
33582.545844	0.545844	6.3886	10-Dec-91	13:06:01	3.9010	0.036
33582.545846	0.545846	6.3886	10-Dec-91	13:06:01	3.9038	0.036
33582.545848	0.545848	6.3886	10-Dec-91	13:06:01	3.9067	0.036
33582.545852	0.545852	6.3886	10-Dec-91	13:06:02	3.9125	0.036
33582.545854	0.545854	6.3886	10-Dec-91	13:06:02	3.9154	0.036
33582.545858	0.545858	6.3886	10-Dec-91	13:06:02	3.9211	0.036
33582.545862	0.545862	6.3886	10-Dec-91	13:06:02	3.9269	0.036
33582.545865	0.545865	6.3886	10-Dec-91	13:06:03	3.9312	0.036
33582.545867	0.545867	6.3886	10-Dec-91	13:06:03	3.9341	0.036
33582.54587	0.54587	6.3886	10-Dec-91	13:06:03	3.9384	0.036
33582.545873	0.545873	6.3886	10-Dec-91	13:06:03	3.9427	0.036
33582.545875	0.545875	6.3886	10-Dec-91	13:06:04	3.9456	0.036
33582.545878	0.545878	6.3886	10-Dec-91	13:06:04	3.9499	0.036
33582.545883	0.545883	6.3886	10-Dec-91	13:06:04	3.9571	0.036
33582.545885	0.545885	6.3886	10-Dec-91	13:06:04	3.9600	0.036
33582.545888	0.545888	6.3886	10-Dec-91	13:06:05	3.9643	0.036
33582.545891	0.545891	6.3886	10-Dec-91	13:06:05	3.9686	0.036
33582.545894	0.545894	6.3886	10-Dec-91	13:06:05	3.9730	0.036
33582.545896	0.545896	6.3886	10-Dec-91	13:06:05	3.9758	0.036
33582.545899	0.545899	6.3886	10-Dec-91	13:06:06	3.9802	0.036
33582.545904	0.545904	6.3886	10-Dec-91	13:06:06	3.9874	0.036
33582.545906	0.545906	6.3886	10-Dec-91	13:06:06	3.9902	0.036
33582.545909	0.545909	6.3886	10-Dec-91	13:06:07	3.9946	0.036
33582.545912	0.545912	6.3886	10-Dec-91	13:06:07	3.9989	0.036
33582.545914	0.545914	6.3886	10-Dec-91	13:06:07	4.0018	0.036
33582.545918	0.545918	6.3886	10-Dec-91	13:06:07	4.0075	0.036
33582.54592	0.54592	6.3886	10-Dec-91	13:06:07	4.0104	0.036
33582.545925	0.545925	6.3886	10-Dec-91	13:06:08	4.0176	0.036
33582.545927	0.545927	6.3886	10-Dec-91	13:06:08	4.0205	0.036
33582.545931	0.545931	6.3886	10-Dec-91	13:06:08	4.0262	0.036
33582.545933	0.545933	6.3886	10-Dec-91	13:06:09	4.0291	0.036
33582.545935	0.545935	6.3886	10-Dec-91	13:06:09	4.0320	0.036

33582.545939	0.545939	6.3886	10-Dec-91	13:06:09	4.0378	0.036
33582.545941	0.545941	6.3886	10-Dec-91	13:06:09	4.0406	0.036
33582.545946	0.545946	6.3886	10-Dec-91	13:06:10	4.0478	0.036
33582.545948	0.545948	6.3886	10-Dec-91	13:06:10	4.0507	0.036
33582.545951	0.545951	6.3886	10-Dec-91	13:06:10	4.0550	0.036
33582.545954	0.545954	6.3886	10-Dec-91	13:06:10	4.0594	0.036
33582.545956	0.545956	6.3886	10-Dec-91	13:06:11	4.0622	0.036
33582.545959	0.545959	6.3886	10-Dec-91	13:06:11	4.0666	0.036
33582.545962	0.545962	6.3886	10-Dec-91	13:06:11	4.0709	0.036
33582.545966	0.545966	6.3886	10-Dec-91	13:06:11	4.0766	0.036
33582.545969	0.545969	6.3886	10-Dec-91	13:06:12	4.0810	0.036
33582.545972	0.545972	6.3886	10-Dec-91	13:06:12	4.0853	0.036
33582.545975	0.545975	6.3886	10-Dec-91	13:06:12	4.0896	0.036
33582.545978	0.545978	6.3886	10-Dec-91	13:06:12	4.0939	0.036
33582.54598	0.54598	6.3886	10-Dec-91	13:06:13	4.0968	0.036
33582.545983	0.545983	6.3886	10-Dec-91	13:06:13	4.1011	0.036
33582.545987	0.545987	6.3886	10-Dec-91	13:06:13	4.1069	0.036
33582.545991	0.545991	6.3886	10-Dec-91	13:06:14	4.1126	0.036
33582.545993	0.545993	6.3886	10-Dec-91	13:06:14	4.1155	0.036
33582.545995	0.545995	6.3886	10-Dec-91	13:06:14	4.1184	0.036
33582.545999	0.545999	6.3886	10-Dec-91	13:06:14	4.1242	0.036
33582.546001	0.546001	6.3886	10-Dec-91	13:06:14	4.1270	0.036
33582.546003	0.546003	6.3886	10-Dec-91	13:06:15	4.1299	0.036
33582.546008	0.546008	6.3886	10-Dec-91	13:06:15	4.1371	0.036
33582.546012	0.546012	6.3886	10-Dec-91	13:06:15	4.1429	0.036
33582.546014	0.546014	6.3886	10-Dec-91	13:06:16	4.1458	0.036
33582.546016	0.546016	6.3886	10-Dec-91	13:06:16	4.1486	0.036
33582.54602	0.54602	6.3886	10-Dec-91	13:06:16	4.1544	0.036
33582.546022	0.546022	6.3886	10-Dec-91	13:06:16	4.1573	0.036
33582.546024	0.546024	6.3886	10-Dec-91	13:06:16	4.1602	0.036
33582.54603	0.54603	6.3886	10-Dec-91	13:06:17	4.1688	0.036
33582.546032	0.546032	6.3886	10-Dec-91	13:06:17	4.1717	0.036
33582.546035	0.546035	6.3886	10-Dec-91	13:06:17	4.1760	0.036
33582.546038	0.546038	6.3886	10-Dec-91	13:06:18	4.1803	0.036
33582.546041	0.546041	6.3886	10-Dec-91	13:06:18	4.1846	0.036
33582.546043	0.546043	6.3886	10-Dec-91	13:06:18	4.1875	0.036
33582.546046	0.546046	6.3886	10-Dec-91	13:06:18	4.1918	0.036
33582.546051	0.546051	6.3886	10-Dec-91	13:06:19	4.1990	0.036
33582.546053	0.546053	6.3886	10-Dec-91	13:06:19	4.2019	0.036
33582.546056	0.546056	6.3886	10-Dec-91	13:06:19	4.2062	0.036
33582.546059	0.546059	6.3886	10-Dec-91	13:06:19	4.2106	0.036
33582.546061	0.546061	6.3958	10-Dec-91	13:06:20	4.2134	0.029
33582.546064	0.546064	6.3886	10-Dec-91	13:06:20	4.2178	0.036
33582.546067	0.546067	6.3886	10-Dec-91	13:06:20	4.2221	0.036
33582.546072	0.546072	6.3886	10-Dec-91	13:06:21	4.2293	0.036
33582.546074	0.546074	6.3886	10-Dec-91	13:06:21	4.2322	0.036
33582.546076	0.546076	6.3886	10-Dec-91	13:06:21	4.2350	0.036

33582.54608	0.54608	6.3886	10-Dec-91	13:06:21	4.2408	0.036
33582.546082	0.546082	6.3886	10-Dec-91	13:06:21	4.2437	0.036
33582.546086	0.546086	6.3886	10-Dec-91	13:06:22	4.2494	0.036
33582.546088	0.546088	6.3886	10-Dec-91	13:06:22	4.2523	0.036
33582.546093	0.546093	6.3886	10-Dec-91	13:06:22	4.2595	0.036
33582.546095	0.546095	6.3886	10-Dec-91	13:06:23	4.2624	0.036
33582.546098	0.546098	6.3886	10-Dec-91	13:06:23	4.2667	0.036
33582.546101	0.546101	6.3886	10-Dec-91	13:06:23	4.2710	0.036
33582.546103	0.546103	6.3886	10-Dec-91	13:06:23	4.2739	0.036
33582.546106	0.546106	6.3886	10-Dec-91	13:06:24	4.2782	0.036
33582.546109	0.546109	6.3886	10-Dec-91	13:06:24	4.2826	0.036
33582.546113	0.546113	6.3886	10-Dec-91	13:06:24	4.2883	0.036
33582.546116	0.546116	6.3886	10-Dec-91	13:06:24	4.2926	0.036
33582.546119	0.546119	6.3886	10-Dec-91	13:06:25	4.2970	0.036
33582.546122	0.546122	6.3886	10-Dec-91	13:06:25	4.3013	0.036
33582.546124	0.546124	6.3886	10-Dec-91	13:06:25	4.3042	0.036
33582.546127	0.546127	6.3886	10-Dec-91	13:06:25	4.3085	0.036
33582.54613	0.54613	6.3886	10-Dec-91	13:06:26	4.3128	0.036
33582.546134	0.546134	6.3886	10-Dec-91	13:06:26	4.3186	0.036
33582.546137	0.546137	6.3886	10-Dec-91	13:06:26	4.3229	0.036
33582.54614	0.54614	6.3886	10-Dec-91	13:06:26	4.3272	0.036
33582.546142	0.546142	6.3886	10-Dec-91	13:06:27	4.3301	0.036
33582.546146	0.546146	6.3886	10-Dec-91	13:06:27	4.3358	0.036
33582.546148	0.546148	6.3886	10-Dec-91	13:06:27	4.3387	0.036
33582.54615	0.54615	6.3886	10-Dec-91	13:06:27	4.3416	0.036
33582.546155	0.546155	6.3886	10-Dec-91	13:06:28	4.3488	0.036
33582.546159	0.546159	6.3886	10-Dec-91	13:06:28	4.3546	0.036
33582.546161	0.546161	6.3886	10-Dec-91	13:06:28	4.3574	0.036
33582.546163	0.546163	6.3886	10-Dec-91	13:06:28	4.3603	0.036
33582.546167	0.546167	6.4319	10-Dec-91	13:06:29	4.3661	0.007
33582.546169	0.546169	6.3886	10-Dec-91	13:06:29	4.3690	0.036
33582.546171	0.546171	6.403	10-Dec-91	13:06:29	4.3718	0.022
33582.546176	0.546176	6.3958	10-Dec-91	13:06:30	4.3790	0.029
33582.546179	0.546179	6.3958	10-Dec-91	13:06:30	4.3834	0.029
33582.546182	0.546182	6.403	10-Dec-91	13:06:30	4.3877	0.022
33582.546184	0.546184	6.3814	10-Dec-91	13:06:30	4.3906	0.043
33582.546188	0.546188	6.3814	10-Dec-91	13:06:31	4.3963	0.043
33582.54619	0.54619	6.3814	10-Dec-91	13:06:31	4.3992	0.043
33582.546192	0.546192	6.3886	10-Dec-91	13:06:31	4.4021	0.036
33582.546197	0.546197	6.3814	10-Dec-91	13:06:31	4.4093	0.043
33582.5462	0.5462	6.3814	10-Dec-91	13:06:32	4.4136	0.043
33582.546203	0.546203	6.3886	10-Dec-91	13:06:32	4.4179	0.036
33582.546206	0.546206	6.3886	10-Dec-91	13:06:32	4.4222	0.036
33582.546208	0.546208	6.3886	10-Dec-91	13:06:32	4.4251	0.036
33582.546211	0.546211	6.3886	10-Dec-91	13:06:33	4.4294	0.036
33582.546214	0.546214	6.3886	10-Dec-91	13:06:33	4.4338	0.036
33582.546219	0.546219	6.3886	10-Dec-91	13:06:33	4.4410	0.036

33582.546221	0.546221	6.3886	10-Dec-91	13:06:33	4.4438	0.036
33582.546223	0.546223	6.3886	10-Dec-91	13:06:34	4.4467	0.036
33582.546227	0.546227	6.3886	10-Dec-91	13:06:34	4.4525	0.036
33582.546229	0.546229	6.3886	10-Dec-91	13:06:34	4.4554	0.036
33582.546231	0.546231	6.3886	10-Dec-91	13:06:34	4.4582	0.036
33582.546235	0.546235	6.3886	10-Dec-91	13:06:35	4.4640	0.036
33582.54624	0.54624	6.3886	10-Dec-91	13:06:35	4.4712	0.036
33582.546242	0.546242	6.3886	10-Dec-91	13:06:35	4.4741	0.036
33582.546244	0.546244	6.3886	10-Dec-91	13:06:35	4.4770	0.036
33582.546248	0.546248	6.3886	10-Dec-91	13:06:36	4.4827	0.036
33582.54625	0.54625	6.3886	10-Dec-91	13:06:36	4.4856	0.036
33582.546252	0.546252	6.3886	10-Dec-91	13:06:36	4.4885	0.036
33582.546256	0.546256	6.3886	10-Dec-91	13:06:37	4.4942	0.036
33582.54626	0.54626	6.3886	10-Dec-91	13:06:37	4.5000	0.036
33582.546263	0.546263	6.3886	10-Dec-91	13:06:37	4.5043	0.036
33582.546266	0.546266	6.3886	10-Dec-91	13:06:37	4.5086	0.036
33582.546269	0.546269	6.3886	10-Dec-91	13:06:38	4.5130	0.036
33582.546271	0.546271	6.3886	10-Dec-91	13:06:38	4.5158	0.036
33582.546274	0.546274	6.3886	10-Dec-91	13:06:38	4.5202	0.036
33582.546277	0.546277	6.3886	10-Dec-91	13:06:38	4.5245	0.036
33582.546281	0.546281	6.3886	10-Dec-91	13:06:39	4.5302	0.036
33582.546284	0.546284	6.3886	10-Dec-91	13:06:39	4.5346	0.036
33582.546287	0.546287	6.3886	10-Dec-91	13:06:39	4.5389	0.036
33582.546289	0.546289	6.3886	10-Dec-91	13:06:39	4.5418	0.036
33582.546292	0.546292	6.3886	10-Dec-91	13:06:40	4.5461	0.036
33582.546295	0.546295	6.3886	10-Dec-91	13:06:40	4.5504	0.036
33582.546297	0.546297	6.3886	10-Dec-91	13:06:40	4.5533	0.036
33582.546302	0.546302	6.3886	10-Dec-91	13:06:40	4.5605	0.036
33582.546304	0.546304	6.3886	10-Dec-91	13:06:41	4.5634	0.036
33582.546308	0.546308	6.3886	10-Dec-91	13:06:41	4.5691	0.036
33582.54631	0.54631	6.3886	10-Dec-91	13:06:41	4.5720	0.036
33582.546314	0.546314	6.3886	10-Dec-91	13:06:42	4.5778	0.036
33582.546316	0.546316	6.3886	10-Dec-91	13:06:42	4.5806	0.036
33582.546318	0.546318	6.3886	10-Dec-91	13:06:42	4.5835	0.036
33582.546323	0.546323	6.3886	10-Dec-91	13:06:42	4.5907	0.036
33582.546326	0.546326	6.3886	10-Dec-91	13:06:43	4.5950	0.036
33582.546329	0.546329	6.3886	10-Dec-91	13:06:43	4.5994	0.036
33582.546331	0.546331	6.3886	10-Dec-91	13:06:43	4.6022	0.036
33582.546334	0.546334	6.3886	10-Dec-91	13:06:43	4.6066	0.036
33582.546337	0.546337	6.3886	10-Dec-91	13:06:44	4.6109	0.036
33582.546339	0.546339	6.3886	10-Dec-91	13:06:44	4.6138	0.036
33582.546344	0.546344	6.3886	10-Dec-91	13:06:44	4.6210	0.036
33582.546347	0.546347	6.3886	10-Dec-91	13:06:44	4.6253	0.036
33582.54635	0.54635	6.3886	10-Dec-91	13:06:45	4.6296	0.036
33582.546352	0.546352	6.3886	10-Dec-91	13:06:45	4.6325	0.036
33582.546355	0.546355	6.3886	10-Dec-91	13:06:45	4.6368	0.036
33582.546358	0.546358	6.3886	10-Dec-91	13:06:45	4.6411	0.036

33582.54636	0.54636	6.3886	10-Dec-91	13:06:46	4.6440	0.036
33582.546365	0.546365	6.3886	10-Dec-91	13:06:46	4.6512	0.036
33582.546368	0.546368	6.3886	10-Dec-91	13:06:46	4.6555	0.036
33582.54637	0.54637	6.3886	10-Dec-91	13:06:46	4.6584	0.036
33582.546374	0.546374	6.3958	10-Dec-91	13:06:47	4.6642	0.029
33582.546376	0.546376	6.3958	10-Dec-91	13:06:47	4.6670	0.029
33582.546378	0.546378	6.3886	10-Dec-91	13:06:47	4.6699	0.036
33582.546382	0.546382	6.3886	10-Dec-91	13:06:47	4.6757	0.036
33582.546387	0.546387	6.3958	10-Dec-91	13:06:48	4.6829	0.029
33582.546389	0.546389	6.3886	10-Dec-91	13:06:48	4.6858	0.036
33582.546391	0.546391	6.3886	10-Dec-91	13:06:48	4.6886	0.036
33582.546395	0.546395	6.3886	10-Dec-91	13:06:49	4.6944	0.036
33582.546397	0.546397	6.3886	10-Dec-91	13:06:49	4.6973	0.036
33582.546399	0.546399	6.3958	10-Dec-91	13:06:49	4.7002	0.029
33582.546403	0.546403	6.3886	10-Dec-91	13:06:49	4.7059	0.036
33582.546407	0.546407	6.3886	10-Dec-91	13:06:50	4.7117	0.036
33582.54641	0.54641	6.3958	10-Dec-91	13:06:50	4.7160	0.029
33582.546412	0.546412	6.3958	10-Dec-91	13:06:50	4.7189	0.029
33582.546416	0.546416	6.3886	10-Dec-91	13:06:50	4.7246	0.036
33582.546418	0.546418	6.3886	10-Dec-91	13:06:51	4.7275	0.036
33582.546391	0.546391	6.3886	10-Dec-91	13:06:48	4.6886	0.036
33582.546395	0.546395	6.3886	10-Dec-91	13:06:49	4.6944	0.036
33582.546397	0.546397	6.3886	10-Dec-91	13:06:49	4.6973	0.036
33582.546399	0.546399	6.3958	10-Dec-91	13:06:49	4.7002	0.029
33582.546403	0.546403	6.3886	10-Dec-91	13:06:49	4.7059	0.036
33582.546407	0.546407	6.3886	10-Dec-91	13:06:50	4.7117	0.036
33582.54641	0.54641	6.3958	10-Dec-91	13:06:50	4.7160	0.029
33582.546412	0.546412	6.3958	10-Dec-91	13:06:50	4.7189	0.029
33582.546416	0.546416	6.3886	10-Dec-91	13:06:50	4.7246	0.036
33582.546418	0.546418	6.3886	10-Dec-91	13:06:51	4.7275	0.036


Bouwer & Rice Slug Test Plot
Well MW-10 -- Bail Test #1
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.5
0.0
0.5
1.0
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-10s

Initial DTW (bgs) @ time < 0:	24.4	(feet)
Depth to top of sandpack:	14.0	(feet)
Depth to top of screen:	14.48	(feet)
H = Initial head @ time < 0:	8.71	(feet)
H(0)= Maximum head (@ t ~ 0):	2.04	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	11.1	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	11.1	(feet)
Length watertable to bottom of sandpack:	11.1	(feet)
b = Aquifer saturated thickness:	13.1	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	10-Dec-91
Test Start Time >>>>>>	11:27:04
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	8.7058

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33582.477091	0.477091	8.713	10-Dec-91	11:27:01	-0.0634	0.007	
33582.477094	0.477094	8.713	10-Dec-91	11:27:01	-0.0590	0.007	
33582.477097	0.477097	8.713	10-Dec-91	11:27:01	-0.0547	0.007	
33582.4771	0.4771	8.7058	10-Dec-91	11:27:01	-0.0504	0.000	
33582.477102	0.477102	8.7058	10-Dec-91	11:27:02	-0.0475	0.000	
33582.477105	0.477105	8.6986	10-Dec-91	11:27:02	-0.0432	0.007	
33582.477108	0.477108	8.7058	10-Dec-91	11:27:02	-0.0389	0.000	
33582.477112	0.477112	8.7058	10-Dec-91	11:27:02	-0.0331	0.000	
33582.477115	0.477115	8.7058	10-Dec-91	11:27:03	-0.0288	0.000	
33582.477118	0.477118	8.6986	10-Dec-91	11:27:03	-0.0245	0.007	
33582.47712	0.47712	8.713	10-Dec-91	11:27:03	-0.0216	0.007	
33582.477123	0.477123	8.7058	10-Dec-91	11:27:03	-0.0173	0.000	
33582.477126	0.477126	8.7058	10-Dec-91	11:27:04	-0.0130	0.000	
33582.477128	0.477128	8.7058	10-Dec-91	11:27:04	-0.0101	0.000	
33582.477133	0.477133	8.7058	10-Dec-91	11:27:04	-0.0029	0.000	
33582.477135	0.477135	7.0816	10-Dec-91	11:27:04	0.0000	1.624	Start bail test
33582.477139	0.477139	6.6701	10-Dec-91	11:27:05	0.0058	2.036	
33582.477141	0.477141	7.392	10-Dec-91	11:27:05	0.0086	1.314	
33582.477145	0.477145	7.7457	10-Dec-91	11:27:05	0.0144	0.960	

33582.477147	0.477147	7.3198	10-Dec-91	11:27:06	0.0173	1.386
33582.477149	0.477149	7.3848	10-Dec-91	11:27:06	0.0202	1.321
33582.477154	0.477154	7.7602	10-Dec-91	11:27:06	0.0274	0.946
33582.477157	0.477157	7.9262	10-Dec-91	11:27:06	0.0317	0.780
33582.47716	0.47716	8.0561	10-Dec-91	11:27:07	0.0360	0.650
33582.477162	0.477162	8.1644	10-Dec-91	11:27:07	0.0389	0.541
33582.477166	0.477166	8.251	10-Dec-91	11:27:07	0.0446	0.455
33582.477168	0.477168	8.316	10-Dec-91	11:27:07	0.0475	0.390
33582.47717	0.47717	8.3665	10-Dec-91	11:27:07	0.0504	0.339
33582.477175	0.477175	8.4387	10-Dec-91	11:27:08	0.0576	0.267
33582.477178	0.477178	8.4604	10-Dec-91	11:27:08	0.0619	0.245
33582.477181	0.477181	8.4893	10-Dec-91	11:27:08	0.0662	0.216
33582.477183	0.477183	8.5109	10-Dec-91	11:27:09	0.0691	0.195
33582.477186	0.477186	8.5326	10-Dec-91	11:27:09	0.0734	0.173
33582.477189	0.477189	8.547	10-Dec-91	11:27:09	0.0778	0.159
33582.477191	0.477191	8.5614	10-Dec-91	11:27:09	0.0806	0.144
33582.477197	0.477197	8.5831	10-Dec-91	11:27:10	0.0893	0.123
33582.477199	0.477199	8.5903	10-Dec-91	11:27:10	0.0922	0.116
33582.477201	0.477201	8.5975	10-Dec-91	11:27:10	0.0950	0.108
33582.477205	0.477205	8.6048	10-Dec-91	11:27:11	0.1008	0.101
33582.477207	0.477207	8.6048	10-Dec-91	11:27:11	0.1037	0.101
33582.477209	0.477209	8.612	10-Dec-91	11:27:11	0.1066	0.094
33582.477213	0.477213	8.612	10-Dec-91	11:27:11	0.1123	0.094
33582.477218	0.477218	8.6264	10-Dec-91	11:27:12	0.1195	0.079
33582.47722	0.47722	8.6336	10-Dec-91	11:27:12	0.1224	0.072
33582.477222	0.477222	8.6336	10-Dec-91	11:27:12	0.1253	0.072
33582.477226	0.477226	8.6336	10-Dec-91	11:27:12	0.1310	0.072
33582.477228	0.477228	8.6336	10-Dec-91	11:27:12	0.1339	0.072
33582.47723	0.47723	8.6408	10-Dec-91	11:27:13	0.1368	0.065
33582.477234	0.477234	8.6408	10-Dec-91	11:27:13	0.1426	0.065
33582.477238	0.477238	8.6408	10-Dec-91	11:27:13	0.1483	0.065
33582.477241	0.477241	8.6481	10-Dec-91	11:27:14	0.1526	0.058
33582.477243	0.477243	8.6481	10-Dec-91	11:27:14	0.1555	0.058
33582.477247	0.477247	8.6481	10-Dec-91	11:27:14	0.1613	0.058
33582.477249	0.477249	8.6481	10-Dec-91	11:27:14	0.1642	0.058
33582.477252	0.477252	8.6481	10-Dec-91	11:27:15	0.1685	0.058
33582.477255	0.477255	8.6553	10-Dec-91	11:27:15	0.1728	0.050
33582.477259	0.477259	8.6553	10-Dec-91	11:27:15	0.1786	0.050
33582.477262	0.477262	8.6553	10-Dec-91	11:27:15	0.1829	0.050
33582.477265	0.477265	8.6553	10-Dec-91	11:27:16	0.1872	0.050
33582.477267	0.477267	8.6481	10-Dec-91	11:27:16	0.1901	0.058
33582.47727	0.47727	8.6625	10-Dec-91	11:27:16	0.1944	0.043
33582.477273	0.477273	8.6625	10-Dec-91	11:27:16	0.1987	0.043
33582.477275	0.477275	8.6553	10-Dec-91	11:27:17	0.2016	0.050
33582.47728	0.47728	8.6625	10-Dec-91	11:27:17	0.2088	0.043
33582.477282	0.477282	8.6625	10-Dec-91	11:27:17	0.2117	0.043
33582.477286	0.477286	8.6625	10-Dec-91	11:27:18	0.2174	0.043

33582.477288	0.477288	8.6625	10-Dec-91	11:27:18	0.2203	0.043
33582.477291	0.477291	8.6625	10-Dec-91	11:27:18	0.2246	0.043
33582.477294	0.477294	8.6625	10-Dec-91	11:27:18	0.2290	0.043
33582.477296	0.477296	8.6697	10-Dec-91	11:27:18	0.2318	0.036
33582.477301	0.477301	8.6697	10-Dec-91	11:27:19	0.2390	0.036
33582.477304	0.477304	8.6697	10-Dec-91	11:27:19	0.2434	0.036
33582.477307	0.477307	8.6625	10-Dec-91	11:27:19	0.2477	0.043
33582.477309	0.477309	8.6625	10-Dec-91	11:27:19	0.2506	0.043
33582.477313	0.477313	8.6697	10-Dec-91	11:27:20	0.2563	0.036
33582.477315	0.477315	8.6697	10-Dec-91	11:27:20	0.2592	0.036
33582.477317	0.477317	8.6697	10-Dec-91	11:27:20	0.2621	0.036
33582.477322	0.477322	8.6697	10-Dec-91	11:27:21	0.2693	0.036
33582.477325	0.477325	8.6697	10-Dec-91	11:27:21	0.2736	0.036
33582.477328	0.477328	8.6697	10-Dec-91	11:27:21	0.2779	0.036
33582.47733	0.47733	8.6697	10-Dec-91	11:27:21	0.2808	0.036
33582.477333	0.477333	8.6697	10-Dec-91	11:27:22	0.2851	0.036
33582.477336	0.477336	8.6697	10-Dec-91	11:27:22	0.2894	0.036
33582.477338	0.477338	8.6697	10-Dec-91	11:27:22	0.2923	0.036
33582.477343	0.477343	8.6769	10-Dec-91	11:27:22	0.2995	0.029
33582.477346	0.477346	8.6769	10-Dec-91	11:27:23	0.3038	0.029
33582.477348	0.477348	8.6769	10-Dec-91	11:27:23	0.3067	0.029
33582.477351	0.477351	8.6769	10-Dec-91	11:27:23	0.3110	0.029
33582.477354	0.477354	8.6769	10-Dec-91	11:27:23	0.3154	0.029
33582.477356	0.477356	8.6769	10-Dec-91	11:27:24	0.3182	0.029
33582.47736	0.47736	8.6842	10-Dec-91	11:27:24	0.3240	0.022
33582.477365	0.477365	8.6769	10-Dec-91	11:27:24	0.3312	0.029
33582.477367	0.477367	8.6769	10-Dec-91	11:27:25	0.3341	0.029
33582.477369	0.477369	8.6769	10-Dec-91	11:27:25	0.3370	0.029
33582.477373	0.477373	8.6842	10-Dec-91	11:27:25	0.3427	0.022
33582.477375	0.477375	8.6842	10-Dec-91	11:27:25	0.3456	0.022
33582.477377	0.477377	8.6769	10-Dec-91	11:27:25	0.3485	0.029
33582.477381	0.477381	8.6769	10-Dec-91	11:27:26	0.3542	0.029
33582.477385	0.477385	8.6769	10-Dec-91	11:27:26	0.3600	0.029
33582.477388	0.477388	8.6842	10-Dec-91	11:27:26	0.3643	0.022
33582.47739	0.47739	8.6842	10-Dec-91	11:27:26	0.3672	0.022
33582.477394	0.477394	8.6769	10-Dec-91	11:27:27	0.3730	0.029
33582.477396	0.477396	8.6769	10-Dec-91	11:27:27	0.3758	0.029
33582.477398	0.477398	8.6842	10-Dec-91	11:27:27	0.3787	0.022
33582.477402	0.477402	8.6842	10-Dec-91	11:27:28	0.3845	0.022
33582.477406	0.477406	8.6842	10-Dec-91	11:27:28	0.3902	0.022
33582.477409	0.477409	8.6842	10-Dec-91	11:27:28	0.3946	0.022
33582.477412	0.477412	8.6842	10-Dec-91	11:27:28	0.3989	0.022
33582.477414	0.477414	8.6842	10-Dec-91	11:27:29	0.4018	0.022
33582.477417	0.477417	8.6842	10-Dec-91	11:27:29	0.4061	0.022
33582.47742	0.47742	8.6842	10-Dec-91	11:27:29	0.4104	0.022
33582.477422	0.477422	8.6842	10-Dec-91	11:27:29	0.4133	0.022
33582.477427	0.477427	8.6842	10-Dec-91	11:27:30	0.4205	0.022

33582.477429	0.477429	8.6842	10-Dec-91	11:27:30	0.4234	0.022
33582.477433	0.477433	8.6842	10-Dec-91	11:27:30	0.4291	0.022
33582.477435	0.477435	8.6842	10-Dec-91	11:27:30	0.4320	0.022
33582.477438	0.477438	8.6842	10-Dec-91	11:27:31	0.4363	0.022
33582.477441	0.477441	8.6842	10-Dec-91	11:27:31	0.4406	0.022
33582.477443	0.477443	8.6842	10-Dec-91	11:27:31	0.4435	0.022
33582.477448	0.477448	8.6842	10-Dec-91	11:27:32	0.4507	0.022
33582.47745	0.47745	8.6842	10-Dec-91	11:27:32	0.4536	0.022
33582.477454	0.477454	8.6842	10-Dec-91	11:27:32	0.4594	0.022
33582.477456	0.477456	8.6842	10-Dec-91	11:27:32	0.4622	0.022
33582.477458	0.477458	8.6842	10-Dec-91	11:27:32	0.4651	0.022
33582.477462	0.477462	8.6842	10-Dec-91	11:27:33	0.4709	0.022
33582.477464	0.477464	8.6914	10-Dec-91	11:27:33	0.4738	0.014
33582.477469	0.477469	8.6914	10-Dec-91	11:27:33	0.4810	0.014
33582.477472	0.477472	8.6842	10-Dec-91	11:27:34	0.4853	0.022
33582.477475	0.477475	8.6842	10-Dec-91	11:27:34	0.4896	0.022
33582.477477	0.477477	8.6842	10-Dec-91	11:27:34	0.4925	0.022
33582.47748	0.47748	8.6842	10-Dec-91	11:27:34	0.4968	0.022
33582.477483	0.477483	8.6842	10-Dec-91	11:27:35	0.5011	0.022
33582.477485	0.477485	8.6914	10-Dec-91	11:27:35	0.5040	0.014
33582.47749	0.47749	8.6842	10-Dec-91	11:27:35	0.5112	0.022
33582.477493	0.477493	8.6914	10-Dec-91	11:27:35	0.5155	0.014
33582.477495	0.477495	8.6842	10-Dec-91	11:27:36	0.5184	0.022
33582.477498	0.477498	8.6914	10-Dec-91	11:27:36	0.5227	0.014
33582.477501	0.477501	8.6914	10-Dec-91	11:27:36	0.5270	0.014
33582.477503	0.477503	8.6914	10-Dec-91	11:27:36	0.5299	0.014
33582.477506	0.477506	8.6914	10-Dec-91	11:27:37	0.5342	0.014
33582.47751	0.47751	8.6914	10-Dec-91	11:27:37	0.5400	0.014
33582.477514	0.477514	8.6914	10-Dec-91	11:27:37	0.5458	0.014
33582.477516	0.477516	8.6914	10-Dec-91	11:27:37	0.5486	0.014
33582.47752	0.47752	8.6914	10-Dec-91	11:27:38	0.5544	0.014
33582.477522	0.477522	8.6842	10-Dec-91	11:27:38	0.5573	0.022
33582.477524	0.477524	8.6914	10-Dec-91	11:27:38	0.5602	0.014
33582.477528	0.477528	8.6914	10-Dec-91	11:27:38	0.5659	0.014
33582.477532	0.477532	8.6914	10-Dec-91	11:27:39	0.5717	0.014
33582.477535	0.477535	8.6914	10-Dec-91	11:27:39	0.5760	0.014
33582.477537	0.477537	8.6986	10-Dec-91	11:27:39	0.5789	0.007
33582.477541	0.477541	8.6914	10-Dec-91	11:27:40	0.5846	0.014
33582.477543	0.477543	8.6914	10-Dec-91	11:27:40	0.5875	0.014
33582.477545	0.477545	8.6914	10-Dec-91	11:27:40	0.5904	0.014
33582.477549	0.477549	8.6914	10-Dec-91	11:27:40	0.5962	0.014
33582.477553	0.477553	8.6914	10-Dec-91	11:27:41	0.6019	0.014
33582.477556	0.477556	8.6986	10-Dec-91	11:27:41	0.6062	0.007
33582.477558	0.477558	8.6842	10-Dec-91	11:27:41	0.6091	0.022
33582.477561	0.477561	8.6842	10-Dec-91	11:27:41	0.6134	0.022
33582.477564	0.477564	8.6914	10-Dec-91	11:27:42	0.6178	0.014
33582.477566	0.477566	8.6914	10-Dec-91	11:27:42	0.6206	0.014

33582.477569	0.477569	8.6914	10-Dec-91	11:27:42	0.6250	0.014
33582.477574	0.477574	8.6914	10-Dec-91	11:27:42	0.6322	0.014
33582.477576	0.477576	8.6986	10-Dec-91	11:27:43	0.6350	0.007
33582.47758	0.47758	8.6914	10-Dec-91	11:27:43	0.6408	0.014
33582.477582	0.477582	8.6914	10-Dec-91	11:27:43	0.6437	0.014
33582.477584	0.477584	8.6914	10-Dec-91	11:27:43	0.6466	0.014
33582.477588	0.477588	8.6986	10-Dec-91	11:27:44	0.6523	0.007
33582.47759	0.47759	8.6914	10-Dec-91	11:27:44	0.6552	0.014
33582.477595	0.477595	8.6914	10-Dec-91	11:27:44	0.6624	0.014
33582.477597	0.477597	8.6914	10-Dec-91	11:27:44	0.6653	0.014
33582.477601	0.477601	8.6986	10-Dec-91	11:27:45	0.6710	0.007
33582.477603	0.477603	8.6842	10-Dec-91	11:27:45	0.6739	0.022
33582.477605	0.477605	8.6914	10-Dec-91	11:27:45	0.6768	0.014
33582.477609	0.477609	8.6914	10-Dec-91	11:27:45	0.6826	0.014
33582.477611	0.477611	8.6914	10-Dec-91	11:27:46	0.6854	0.014
33582.477616	0.477616	8.6914	10-Dec-91	11:27:46	0.6926	0.014
33582.477618	0.477618	8.6914	10-Dec-91	11:27:46	0.6955	0.014
33582.477622	0.477622	8.6842	10-Dec-91	11:27:47	0.7013	0.022
33582.477624	0.477624	8.6986	10-Dec-91	11:27:47	0.7042	0.007
33582.477626	0.477626	8.6914	10-Dec-91	11:27:47	0.7070	0.014
33582.47763	0.47763	8.6914	10-Dec-91	11:27:47	0.7128	0.014
33582.477632	0.477632	8.6914	10-Dec-91	11:27:47	0.7157	0.014
33582.477637	0.477637	8.6914	10-Dec-91	11:27:48	0.7229	0.014
33582.47764	0.47764	8.6914	10-Dec-91	11:27:48	0.7272	0.014
33582.477642	0.477642	8.6914	10-Dec-91	11:27:48	0.7301	0.014
33582.477645	0.477645	8.6914	10-Dec-91	11:27:49	0.7344	0.014
33582.477648	0.477648	8.6986	10-Dec-91	11:27:49	0.7387	0.007
33582.47765	0.47765	8.6986	10-Dec-91	11:27:49	0.7416	0.007
33582.477653	0.477653	8.6914	10-Dec-91	11:27:49	0.7459	0.014
33582.477657	0.477657	8.6914	10-Dec-91	11:27:50	0.7517	0.014
33582.477661	0.477661	8.6914	10-Dec-91	11:27:50	0.7574	0.014
33582.477663	0.477663	8.6914	10-Dec-91	11:27:50	0.7603	0.014
33582.477666	0.477666	8.6914	10-Dec-91	11:27:50	0.7646	0.014
33582.477669	0.477669	8.6986	10-Dec-91	11:27:51	0.7690	0.007
33582.477671	0.477671	8.6914	10-Dec-91	11:27:51	0.7718	0.014
33582.477674	0.477674	8.6914	10-Dec-91	11:27:51	0.7762	0.014
33582.477678	0.477678	8.6914	10-Dec-91	11:27:51	0.7819	0.014
33582.477682	0.477682	8.6914	10-Dec-91	11:27:52	0.7877	0.014
33582.477684	0.477684	8.6914	10-Dec-91	11:27:52	0.7906	0.014
33582.477687	0.477687	8.6914	10-Dec-91	11:27:52	0.7949	0.014
33582.47769	0.47769	8.6914	10-Dec-91	11:27:52	0.7992	0.014
33582.477692	0.477692	8.6914	10-Dec-91	11:27:53	0.8021	0.014
33582.477696	0.477696	8.6914	10-Dec-91	11:27:53	0.8078	0.014
33582.4777	0.4777	8.6914	10-Dec-91	11:27:53	0.8136	0.014
33582.477703	0.477703	8.6986	10-Dec-91	11:27:54	0.8179	0.007
33582.477705	0.477705	8.6986	10-Dec-91	11:27:54	0.8208	0.007
33582.477708	0.477708	8.6914	10-Dec-91	11:27:54	0.8251	0.014

33582.477711	0.477711	8.6914	10-Dec-91	11:27:54	0.8294	0.014
33582.477713	0.477713	8.6986	10-Dec-91	11:27:54	0.8323	0.007
33582.477716	0.477716	8.6986	10-Dec-91	11:27:55	0.8366	0.007
33582.477721	0.477721	8.6914	10-Dec-91	11:27:55	0.8438	0.014
33582.477723	0.477723	8.6914	10-Dec-91	11:27:55	0.8467	0.014
33582.477726	0.477726	8.6914	10-Dec-91	11:27:56	0.8510	0.014
33582.477729	0.477729	8.6914	10-Dec-91	11:27:56	0.8554	0.014
33582.477731	0.477731	8.6914	10-Dec-91	11:27:56	0.8582	0.014
33582.477734	0.477734	8.6986	10-Dec-91	11:27:56	0.8626	0.007
33582.477737	0.477737	8.6986	10-Dec-91	11:27:56	0.8669	0.007
33582.477742	0.477742	8.6914	10-Dec-91	11:27:57	0.8741	0.014
33582.477744	0.477744	8.6914	10-Dec-91	11:27:57	0.8770	0.014
33582.477748	0.477748	8.6914	10-Dec-91	11:27:57	0.8827	0.014
33582.47775	0.47775	8.6914	10-Dec-91	11:27:58	0.8856	0.014
33582.477752	0.477752	8.6914	10-Dec-91	11:27:58	0.8885	0.014
33582.477756	0.477756	8.6914	10-Dec-91	11:27:58	0.8942	0.014
33582.477758	0.477758	8.6914	10-Dec-91	11:27:58	0.8971	0.014
33582.477763	0.477763	8.6914	10-Dec-91	11:27:59	0.9043	0.014
33582.477765	0.477765	8.6914	10-Dec-91	11:27:59	0.9072	0.014
33582.477769	0.477769	8.6914	10-Dec-91	11:27:59	0.9130	0.014
33582.477771	0.477771	8.6914	10-Dec-91	11:27:59	0.9158	0.014
33582.477773	0.477773	8.6914	10-Dec-91	11:28:00	0.9187	0.014
33582.477777	0.477777	8.6914	10-Dec-91	11:28:00	0.9245	0.014
33582.477779	0.477779	8.6914	10-Dec-91	11:28:00	0.9274	0.014
33582.477784	0.477784	8.6914	10-Dec-91	11:28:01	0.9346	0.014
33582.477786	0.477786	8.6914	10-Dec-91	11:28:01	0.9374	0.014
33582.477789	0.477789	8.6914	10-Dec-91	11:28:01	0.9418	0.014
33582.477792	0.477792	8.6914	10-Dec-91	11:28:01	0.9461	0.014
33582.477795	0.477795	8.6914	10-Dec-91	11:28:01	0.9504	0.014
33582.477797	0.477797	8.6914	10-Dec-91	11:28:02	0.9533	0.014
33582.4778	0.4778	8.6914	10-Dec-91	11:28:02	0.9576	0.014
33582.477804	0.477804	8.6914	10-Dec-91	11:28:02	0.9634	0.014
33582.477808	0.477808	8.6986	10-Dec-91	11:28:03	0.9691	0.007
33582.47781	0.47781	8.6986	10-Dec-91	11:28:03	0.9720	0.007
33582.477812	0.477812	8.6914	10-Dec-91	11:28:03	0.9749	0.014
33582.477816	0.477816	8.6914	10-Dec-91	11:28:03	0.9806	0.014
33582.477818	0.477818	8.6914	10-Dec-91	11:28:03	0.9835	0.014
33582.477821	0.477821	8.6914	10-Dec-91	11:28:04	0.9878	0.014
33582.477825	0.477825	8.6914	10-Dec-91	11:28:04	0.9936	0.014
33582.477829	0.477829	8.6914	10-Dec-91	11:28:04	0.9994	0.014
33582.477831	0.477831	8.6914	10-Dec-91	11:28:05	1.0022	0.014
33582.477833	0.477833	8.6914	10-Dec-91	11:28:05	1.0051	0.014
33582.477837	0.477837	8.6914	10-Dec-91	11:28:05	1.0109	0.014
33582.477839	0.477839	8.6914	10-Dec-91	11:28:05	1.0138	0.014
33582.477841	0.477841	8.6986	10-Dec-91	11:28:05	1.0166	0.007
33582.477847	0.477847	8.6914	10-Dec-91	11:28:06	1.0253	0.014
33582.47785	0.47785	8.6914	10-Dec-91	11:28:06	1.0296	0.014

33582.477852	0.477852	8.6914	10-Dec-91	11:28:06	1.0325	0.014
33582.477855	0.477855	8.6914	10-Dec-91	11:28:07	1.0368	0.014
33582.477858	0.477858	8.6986	10-Dec-91	11:28:07	1.0411	0.007
33582.47786	0.47786	8.6986	10-Dec-91	11:28:07	1.0440	0.007
33582.477863	0.477863	8.6986	10-Dec-91	11:28:07	1.0483	0.007
33582.477868	0.477868	8.6914	10-Dec-91	11:28:08	1.0555	0.014
33582.47787	0.47787	8.6914	10-Dec-91	11:28:08	1.0584	0.014
33582.477873	0.477873	8.6986	10-Dec-91	11:28:08	1.0627	0.007
33582.477876	0.477876	8.6914	10-Dec-91	11:28:08	1.0670	0.014
33582.477878	0.477878	8.6914	10-Dec-91	11:28:09	1.0699	0.014
33582.477881	0.477881	8.6914	10-Dec-91	11:28:09	1.0742	0.014
33582.477884	0.477884	8.6986	10-Dec-91	11:28:09	1.0786	0.007
33582.477889	0.477889	8.6914	10-Dec-91	11:28:10	1.0858	0.014
33582.477891	0.477891	8.6914	10-Dec-91	11:28:10	1.0886	0.014
33582.477894	0.477894	8.6914	10-Dec-91	11:28:10	1.0930	0.014
33582.477897	0.477897	8.6914	10-Dec-91	11:28:10	1.0973	0.014
33582.477899	0.477899	8.6914	10-Dec-91	11:28:10	1.1002	0.014
33582.477903	0.477903	8.6914	10-Dec-91	11:28:11	1.1059	0.014
33582.477905	0.477905	8.6914	10-Dec-91	11:28:11	1.1088	0.014
33582.47791	0.47791	8.6914	10-Dec-91	11:28:11	1.1160	0.014
33582.477912	0.477912	8.6986	10-Dec-91	11:28:12	1.1189	0.007
33582.477916	0.477916	8.6914	10-Dec-91	11:28:12	1.1246	0.014
33582.477918	0.477918	8.6986	10-Dec-91	11:28:12	1.1275	0.007
33582.47792	0.47792	8.6986	10-Dec-91	11:28:12	1.1304	0.007
33582.477924	0.477924	8.6914	10-Dec-91	11:28:13	1.1362	0.014
33582.477926	0.477926	8.6986	10-Dec-91	11:28:13	1.1390	0.007
33582.477931	0.477931	8.6914	10-Dec-91	11:28:13	1.1462	0.014
33582.477933	0.477933	8.6914	10-Dec-91	11:28:13	1.1491	0.014
33582.477936	0.477936	8.6914	10-Dec-91	11:28:14	1.1534	0.014
33582.477939	0.477939	8.6914	10-Dec-91	11:28:14	1.1578	0.014
33582.477941	0.477941	8.6914	10-Dec-91	11:28:14	1.1606	0.014
33582.477944	0.477944	8.6914	10-Dec-91	11:28:14	1.1650	0.014
33582.477947	0.477947	8.6986	10-Dec-91	11:28:15	1.1693	0.007
33582.477951	0.477951	8.6914	10-Dec-91	11:28:15	1.1750	0.014
33582.477955	0.477955	8.6914	10-Dec-91	11:28:15	1.1808	0.014
33582.477957	0.477957	8.6986	10-Dec-91	11:28:15	1.1837	0.007
33582.477959	0.477959	8.6986	10-Dec-91	11:28:16	1.1866	0.007
33582.477963	0.477963	8.6986	10-Dec-91	11:28:16	1.1923	0.007
33582.477965	0.477965	8.6986	10-Dec-91	11:28:16	1.1952	0.007
33582.477968	0.477968	8.6914	10-Dec-91	11:28:16	1.1995	0.014
33582.477972	0.477972	8.6914	10-Dec-91	11:28:17	1.2053	0.014
33582.477976	0.477976	8.6986	10-Dec-91	11:28:17	1.2110	0.007
33582.477978	0.477978	8.6914	10-Dec-91	11:28:17	1.2139	0.014
33582.47798	0.47798	8.6914	10-Dec-91	11:28:17	1.2168	0.014
33582.477984	0.477984	8.6914	10-Dec-91	11:28:18	1.2226	0.014
33582.477986	0.477986	8.6986	10-Dec-91	11:28:18	1.2254	0.007
33582.477988	0.477988	8.6986	10-Dec-91	11:28:18	1.2283	0.007

33582.477993	0.477993	8.6986	10-Dec-91	11:28:19	1.2355	0.007
33582.477997	0.477997	8.6986	10-Dec-91	11:28:19	1.2413	0.007
33582.477999	0.477999	8.6986	10-Dec-91	11:28:19	1.2442	0.007
33582.478001	0.478001	8.6914	10-Dec-91	11:28:19	1.2470	0.014
33582.478005	0.478005	8.6914	10-Dec-91	11:28:20	1.2528	0.014
33582.478007	0.478007	8.6986	10-Dec-91	11:28:20	1.2557	0.007
33582.47801	0.47801	8.6986	10-Dec-91	11:28:20	1.2600	0.007
33582.478015	0.478015	8.6986	10-Dec-91	11:28:20	1.2672	0.007
33582.478017	0.478017	8.6986	10-Dec-91	11:28:21	1.2701	0.007
33582.47802	0.47802	8.6914	10-Dec-91	11:28:21	1.2744	0.014
33582.478023	0.478023	8.6986	10-Dec-91	11:28:21	1.2787	0.007
33582.478025	0.478025	8.6986	10-Dec-91	11:28:21	1.2816	0.007
33582.478028	0.478028	8.6914	10-Dec-91	11:28:22	1.2859	0.014
33582.478031	0.478031	8.6986	10-Dec-91	11:28:22	1.2902	0.007
33582.478036	0.478036	8.6986	10-Dec-91	11:28:22	1.2974	0.007
33582.478038	0.478038	8.6914	10-Dec-91	11:28:22	1.3003	0.014
33582.478041	0.478041	8.6986	10-Dec-91	11:28:23	1.3046	0.007
33582.478044	0.478044	8.6986	10-Dec-91	11:28:23	1.3090	0.007
33582.478046	0.478046	8.6986	10-Dec-91	11:28:23	1.3118	0.007
33582.478049	0.478049	8.6914	10-Dec-91	11:28:23	1.3162	0.014
33582.478052	0.478052	8.6986	10-Dec-91	11:28:24	1.3205	0.007
33582.478057	0.478057	8.6986	10-Dec-91	11:28:24	1.3277	0.007
33582.478059	0.478059	8.6986	10-Dec-91	11:28:24	1.3306	0.007
33582.478062	0.478062	8.6986	10-Dec-91	11:28:25	1.3349	0.007
33582.478065	0.478065	8.6986	10-Dec-91	11:28:25	1.3392	0.007
33582.478067	0.478067	8.6914	10-Dec-91	11:28:25	1.3421	0.014
33582.478071	0.478071	8.6986	10-Dec-91	11:28:25	1.3478	0.007
33582.478073	0.478073	8.6986	10-Dec-91	11:28:26	1.3507	0.007
33582.478078	0.478078	8.6914	10-Dec-91	11:28:26	1.3579	0.014
33582.47808	0.47808	8.6914	10-Dec-91	11:28:26	1.3608	0.014
33582.478083	0.478083	8.6986	10-Dec-91	11:28:26	1.3651	0.007
33582.478086	0.478086	8.6986	10-Dec-91	11:28:27	1.3694	0.007
33582.478088	0.478088	8.6986	10-Dec-91	11:28:27	1.3723	0.007
33582.478091	0.478091	8.6986	10-Dec-91	11:28:27	1.3766	0.007
33582.478094	0.478094	8.6914	10-Dec-91	11:28:27	1.3810	0.014
33582.478098	0.478098	8.6986	10-Dec-91	11:28:28	1.3867	0.007
33582.478101	0.478101	8.6986	10-Dec-91	11:28:28	1.3910	0.007
33582.478104	0.478104	8.6986	10-Dec-91	11:28:28	1.3954	0.007
33582.478106	0.478106	8.6986	10-Dec-91	11:28:28	1.3982	0.007
33582.478109	0.478109	8.6914	10-Dec-91	11:28:29	1.4026	0.014
33582.478112	0.478112	8.6986	10-Dec-91	11:28:29	1.4069	0.007
33582.478115	0.478115	8.6986	10-Dec-91	11:28:29	1.4112	0.007
33582.478119	0.478119	8.6986	10-Dec-91	11:28:29	1.4170	0.007
33582.478123	0.478123	8.6986	10-Dec-91	11:28:30	1.4227	0.007
33582.478125	0.478125	8.6986	10-Dec-91	11:28:30	1.4256	0.007
33582.478127	0.478127	8.6986	10-Dec-91	11:28:30	1.4285	0.007
33582.478131	0.478131	8.6986	10-Dec-91	11:28:31	1.4342	0.007

33582.478133	0.478133	8.6914	10-Dec-91	11:28:31	1.4371	0.014
33582.478135	0.478135	8.6986	10-Dec-91	11:28:31	1.4400	0.007
33582.47814	0.47814	8.6986	10-Dec-91	11:28:31	1.4472	0.007
33582.478144	0.478144	8.6986	10-Dec-91	11:28:32	1.4530	0.007
33582.478146	0.478146	8.6986	10-Dec-91	11:28:32	1.4558	0.007
33582.478148	0.478148	8.6986	10-Dec-91	11:28:32	1.4587	0.007
33582.478152	0.478152	8.6986	10-Dec-91	11:28:32	1.4645	0.007
33582.478154	0.478154	8.6914	10-Dec-91	11:28:33	1.4674	0.014
33582.478156	0.478156	8.6986	10-Dec-91	11:28:33	1.4702	0.007
33582.478161	0.478161	8.6986	10-Dec-91	11:28:33	1.4774	0.007
33582.478164	0.478164	8.6914	10-Dec-91	11:28:33	1.4818	0.014
33582.478167	0.478167	8.6986	10-Dec-91	11:28:34	1.4861	0.007
33582.47817	0.47817	8.6986	10-Dec-91	11:28:34	1.4904	0.007
33582.478172	0.478172	8.6986	10-Dec-91	11:28:34	1.4933	0.007
33582.478175	0.478175	8.6986	10-Dec-91	11:28:34	1.4976	0.007
33582.478178	0.478178	8.6986	10-Dec-91	11:28:35	1.5019	0.007
33582.478183	0.478183	8.6986	10-Dec-91	11:28:35	1.5091	0.007
33582.478185	0.478185	8.6986	10-Dec-91	11:28:35	1.5120	0.007
33582.478187	0.478187	8.6986	10-Dec-91	11:28:35	1.5149	0.007
33582.478191	0.478191	8.6986	10-Dec-91	11:28:36	1.5206	0.007
33582.478193	0.478193	8.6986	10-Dec-91	11:28:36	1.5235	0.007
33582.478196	0.478196	8.6986	10-Dec-91	11:28:36	1.5278	0.007
33582.478199	0.478199	8.6986	10-Dec-91	11:28:36	1.5322	0.007
33582.478204	0.478204	8.6914	10-Dec-91	11:28:37	1.5394	0.014
33582.478206	0.478206	8.6986	10-Dec-91	11:28:37	1.5422	0.007
33582.478208	0.478208	8.6986	10-Dec-91	11:28:37	1.5451	0.007
33582.478212	0.478212	8.6986	10-Dec-91	11:28:38	1.5509	0.007
33582.478214	0.478214	8.6986	10-Dec-91	11:28:38	1.5538	0.007
33582.478216	0.478216	8.6986	10-Dec-91	11:28:38	1.5566	0.007
33582.47822	0.47822	8.6986	10-Dec-91	11:28:38	1.5624	0.007
33582.478225	0.478225	8.6986	10-Dec-91	11:28:39	1.5696	0.007
33582.478227	0.478227	8.6986	10-Dec-91	11:28:39	1.5725	0.007
33582.47823	0.47823	8.6986	10-Dec-91	11:28:39	1.5768	0.007
33582.478233	0.478233	8.6986	10-Dec-91	11:28:39	1.5811	0.007
33582.478235	0.478235	8.6986	10-Dec-91	11:28:40	1.5840	0.007
33582.478238	0.478238	8.6986	10-Dec-91	11:28:40	1.5883	0.007
33582.478241	0.478241	8.6914	10-Dec-91	11:28:40	1.5926	0.014
33582.478245	0.478245	8.6986	10-Dec-91	11:28:40	1.5984	0.007
33582.478248	0.478248	8.6986	10-Dec-91	11:28:41	1.6027	0.007
33582.478251	0.478251	8.6986	10-Dec-91	11:28:41	1.6070	0.007
33582.478253	0.478253	8.6914	10-Dec-91	11:28:41	1.6099	0.014
33582.478256	0.478256	8.6986	10-Dec-91	11:28:41	1.6142	0.007
33582.478259	0.478259	8.6986	10-Dec-91	11:28:42	1.6186	0.007
33582.478262	0.478262	8.6986	10-Dec-91	11:28:42	1.6229	0.007
33582.478266	0.478266	8.6986	10-Dec-91	11:28:42	1.6286	0.007
33582.478269	0.478269	8.6986	10-Dec-91	11:28:42	1.6330	0.007
33582.478272	0.478272	8.6986	10-Dec-91	11:28:43	1.6373	0.007

33582.478274	0.478274	8.6986	10-Dec-91	11:28:43	1.6402	0.007
33582.478278	0.478278	8.6986	10-Dec-91	11:28:43	1.6459	0.007
33582.47828	0.47828	8.6914	10-Dec-91	11:28:43	1.6488	0.014
33582.478282	0.478282	8.6986	10-Dec-91	11:28:44	1.6517	0.007
33582.478287	0.478287	8.6986	10-Dec-91	11:28:44	1.6589	0.007
33582.478291	0.478291	8.6986	10-Dec-91	11:28:44	1.6646	0.007
33582.478293	0.478293	8.6986	10-Dec-91	11:28:45	1.6675	0.007
33582.478295	0.478295	8.6986	10-Dec-91	11:28:45	1.6704	0.007
33582.478299	0.478299	8.6986	10-Dec-91	11:28:45	1.6762	0.007
33582.478301	0.478301	8.6986	10-Dec-91	11:28:45	1.6790	0.007
33582.478303	0.478303	8.6986	10-Dec-91	11:28:45	1.6819	0.007
33582.478308	0.478308	8.6986	10-Dec-91	11:28:46	1.6891	0.007
33582.478311	0.478311	8.6986	10-Dec-91	11:28:46	1.6934	0.007
33582.478314	0.478314	8.6986	10-Dec-91	11:28:46	1.6978	0.007
33582.478316	0.478316	8.6986	10-Dec-91	11:28:47	1.7006	0.007
33582.478319	0.478319	8.6986	10-Dec-91	11:28:47	1.7050	0.007
33582.478322	0.478322	8.6986	10-Dec-91	11:28:47	1.7093	0.007
33582.478324	0.478324	8.6986	10-Dec-91	11:28:47	1.7122	0.007
33582.478329	0.478329	8.6986	10-Dec-91	11:28:48	1.7194	0.007
33582.478332	0.478332	8.6986	10-Dec-91	11:28:48	1.7237	0.007
33582.478334	0.478334	8.6986	10-Dec-91	11:28:48	1.7266	0.007
33582.478338	0.478338	8.6986	10-Dec-91	11:28:48	1.7323	0.007
33582.47834	0.47834	8.6914	10-Dec-91	11:28:49	1.7352	0.014
33582.478343	0.478343	8.6986	10-Dec-91	11:28:49	1.7395	0.007
33582.478346	0.478346	8.6986	10-Dec-91	11:28:49	1.7438	0.007
33582.478351	0.478351	8.6986	10-Dec-91	11:28:50	1.7510	0.007
33582.478353	0.478353	8.6986	10-Dec-91	11:28:50	1.7539	0.007
33582.478355	0.478355	8.6986	10-Dec-91	11:28:50	1.7568	0.007
33582.478359	0.478359	8.6986	10-Dec-91	11:28:50	1.7626	0.007
33582.478361	0.478361	8.6986	10-Dec-91	11:28:50	1.7654	0.007
33582.478363	0.478363	8.6986	10-Dec-91	11:28:51	1.7683	0.007
33582.478367	0.478367	8.6986	10-Dec-91	11:28:51	1.7741	0.007
33582.478372	0.478372	8.6986	10-Dec-91	11:28:51	1.7813	0.007
33582.478374	0.478374	8.6986	10-Dec-91	11:28:52	1.7842	0.007
33582.478376	0.478376	8.6986	10-Dec-91	11:28:52	1.7870	0.007
33582.47838	0.47838	8.6986	10-Dec-91	11:28:52	1.7928	0.007
33582.478382	0.478382	8.6986	10-Dec-91	11:28:52	1.7957	0.007
33582.478384	0.478384	8.6986	10-Dec-91	11:28:52	1.7986	0.007
33582.478388	0.478388	8.6986	10-Dec-91	11:28:53	1.8043	0.007
33582.478392	0.478392	8.6986	10-Dec-91	11:28:53	1.8101	0.007
33582.478395	0.478395	8.6986	10-Dec-91	11:28:53	1.8144	0.007
33582.478398	0.478398	8.6986	10-Dec-91	11:28:54	1.8187	0.007
33582.4784	0.4784	8.6986	10-Dec-91	11:28:54	1.8216	0.007
33582.478403	0.478403	8.6986	10-Dec-91	11:28:54	1.8259	0.007
33582.478406	0.478406	8.6986	10-Dec-91	11:28:54	1.8302	0.007
33582.478409	0.478409	8.6986	10-Dec-91	11:28:55	1.8346	0.007
33582.478413	0.478413	8.6986	10-Dec-91	11:28:55	1.8403	0.007

33582.478416	0.478416	8.6986	10-Dec-91	11:28:55	1.8446	0.007
33582.478419	0.478419	8.6986	10-Dec-91	11:28:55	1.8490	0.007
33582.478421	0.478421	8.6986	10-Dec-91	11:28:56	1.8518	0.007
33582.478424	0.478424	8.6986	10-Dec-91	11:28:56	1.8562	0.007
33582.478427	0.478427	8.6986	10-Dec-91	11:28:56	1.8605	0.007
33582.478429	0.478429	8.6986	10-Dec-91	11:28:56	1.8634	0.007
33582.478434	0.478434	8.6986	10-Dec-91	11:28:57	1.8706	0.007
33582.478436	0.478436	8.6986	10-Dec-91	11:28:57	1.8734	0.007
33582.47844	0.47844	8.6986	10-Dec-91	11:28:57	1.8792	0.007
33582.478442	0.478442	8.6986	10-Dec-91	11:28:57	1.8821	0.007
33582.478446	0.478446	8.6986	10-Dec-91	11:28:58	1.8878	0.007
33582.478448	0.478448	8.6986	10-Dec-91	11:28:58	1.8907	0.007
33582.47845	0.47845	8.6986	10-Dec-91	11:28:58	1.8936	0.007
33582.478455	0.478455	8.6986	10-Dec-91	11:28:59	1.9008	0.007
33582.478458	0.478458	8.6986	10-Dec-91	11:28:59	1.9051	0.007
33582.478461	0.478461	8.6986	10-Dec-91	11:28:59	1.9094	0.007
33582.478463	0.478463	8.6986	10-Dec-91	11:28:59	1.9123	0.007
33582.478466	0.478466	8.6986	10-Dec-91	11:28:59	1.9166	0.007
33582.478469	0.478469	8.6986	10-Dec-91	11:29:00	1.9210	0.007
33582.478471	0.478471	8.6986	10-Dec-91	11:29:00	1.9238	0.007
33582.478476	0.478476	8.6986	10-Dec-91	11:29:00	1.9310	0.007
33582.478479	0.478479	8.6986	10-Dec-91	11:29:01	1.9354	0.007
33582.478481	0.478481	8.6986	10-Dec-91	11:29:01	1.9382	0.007
33582.478484	0.478484	8.6986	10-Dec-91	11:29:01	1.9426	0.007
33582.478487	0.478487	8.6986	10-Dec-91	11:29:01	1.9469	0.007
33582.47849	0.47849	8.6986	10-Dec-91	11:29:02	1.9512	0.007
33582.478492	0.478492	8.6986	10-Dec-91	11:29:02	1.9541	0.007
33582.478498	0.478498	8.6986	10-Dec-91	11:29:02	1.9627	0.007
33582.4785	0.4785	8.6986	10-Dec-91	11:29:02	1.9656	0.007
33582.478502	0.478502	8.6986	10-Dec-91	11:29:03	1.9685	0.007
33582.478506	0.478506	8.6986	10-Dec-91	11:29:03	1.9742	0.007
33582.478508	0.478508	8.6986	10-Dec-91	11:29:03	1.9771	0.007
33582.47851	0.47851	8.6986	10-Dec-91	11:29:03	1.9800	0.007
33582.478514	0.478514	8.6986	10-Dec-91	11:29:04	1.9858	0.007
33582.478519	0.478519	8.6986	10-Dec-91	11:29:04	1.9930	0.007
33582.478521	0.478521	8.6986	10-Dec-91	11:29:04	1.9958	0.007
33582.478523	0.478523	8.6986	10-Dec-91	11:29:04	1.9987	0.007
33582.478527	0.478527	8.6986	10-Dec-91	11:29:05	2.0045	0.007
33582.478529	0.478529	8.6986	10-Dec-91	11:29:05	2.0074	0.007
33582.478531	0.478531	8.6986	10-Dec-91	11:29:05	2.0102	0.007
33582.478535	0.478535	8.6986	10-Dec-91	11:29:05	2.0160	0.007
33582.478539	0.478539	8.6986	10-Dec-91	11:29:06	2.0218	0.007
33582.478542	0.478542	8.6986	10-Dec-91	11:29:06	2.0261	0.007
33582.478544	0.478544	8.6986	10-Dec-91	11:29:06	2.0290	0.007
33582.478547	0.478547	8.6986	10-Dec-91	11:29:06	2.0333	0.007
33582.47855	0.47855	8.6986	10-Dec-91	11:29:07	2.0376	0.007
33582.478553	0.478553	8.6986	10-Dec-91	11:29:07	2.0419	0.007

33582.478556	0.478556	8.6986	10-Dec-91	11:29:07	2.0462	0.007
33582.47856	0.47856	8.6986	10-Dec-91	11:29:08	2.0520	0.007
33582.478562	0.478562	8.6986	10-Dec-91	11:29:08	2.0549	0.007
33582.478566	0.478566	8.6986	10-Dec-91	11:29:08	2.0606	0.007
33582.478568	0.478568	8.6986	10-Dec-91	11:29:08	2.0635	0.007
33582.478571	0.478571	8.6986	10-Dec-91	11:29:09	2.0678	0.007
33582.478574	0.478574	8.6986	10-Dec-91	11:29:09	2.0722	0.007
33582.478576	0.478576	8.6986	10-Dec-91	11:29:09	2.0750	0.007
33582.478581	0.478581	8.6986	10-Dec-91	11:29:09	2.0822	0.007
33582.478583	0.478583	8.6986	10-Dec-91	11:29:10	2.0851	0.007
33582.478587	0.478587	8.6986	10-Dec-91	11:29:10	2.0909	0.007
33582.478589	0.478589	8.6986	10-Dec-91	11:29:10	2.0938	0.007
33582.478591	0.478591	8.6986	10-Dec-91	11:29:10	2.0966	0.007
33582.478595	0.478595	8.6986	10-Dec-91	11:29:11	2.1024	0.007
33582.478597	0.478597	8.6986	10-Dec-91	11:29:11	2.1053	0.007
33582.478602	0.478602	8.6986	10-Dec-91	11:29:11	2.1125	0.007
33582.478605	0.478605	8.6986	10-Dec-91	11:29:11	2.1168	0.007
33582.478608	0.478608	8.6986	10-Dec-91	11:29:12	2.1211	0.007
33582.47861	0.47861	8.6986	10-Dec-91	11:29:12	2.1240	0.007
33582.478613	0.478613	8.6986	10-Dec-91	11:29:12	2.1283	0.007
33582.478616	0.478616	8.6986	10-Dec-91	11:29:12	2.1326	0.007
33582.478618	0.478618	8.6986	10-Dec-91	11:29:13	2.1355	0.007
33582.478623	0.478623	8.6986	10-Dec-91	11:29:13	2.1427	0.007
33582.478626	0.478626	8.6986	10-Dec-91	11:29:13	2.1470	0.007
33582.478628	0.478628	8.6986	10-Dec-91	11:29:13	2.1499	0.007
33582.478631	0.478631	8.6986	10-Dec-91	11:29:14	2.1542	0.007
33582.478634	0.478634	8.6986	10-Dec-91	11:29:14	2.1586	0.007
33582.478637	0.478637	8.6986	10-Dec-91	11:29:14	2.1629	0.007
33582.478639	0.478639	8.6986	10-Dec-91	11:29:14	2.1658	0.007
33582.478644	0.478644	8.6986	10-Dec-91	11:29:15	2.1730	0.007
33582.478647	0.478647	8.6986	10-Dec-91	11:29:15	2.1773	0.007
33582.478649	0.478649	8.6986	10-Dec-91	11:29:15	2.1802	0.007
33582.478652	0.478652	8.6986	10-Dec-91	11:29:16	2.1845	0.007
33582.478655	0.478655	8.6986	10-Dec-91	11:29:16	2.1888	0.007
33582.478657	0.478657	8.6986	10-Dec-91	11:29:16	2.1917	0.007
33582.478661	0.478661	8.6986	10-Dec-91	11:29:16	2.1974	0.007
33582.478666	0.478666	8.6986	10-Dec-91	11:29:17	2.2046	0.007
33582.478668	0.478668	8.6986	10-Dec-91	11:29:17	2.2075	0.007
33582.47867	0.47867	8.6986	10-Dec-91	11:29:17	2.2104	0.007
33582.478674	0.478674	8.6986	10-Dec-91	11:29:17	2.2162	0.007
33582.478676	0.478676	8.6986	10-Dec-91	11:29:18	2.2190	0.007
33582.478678	0.478678	8.6986	10-Dec-91	11:29:18	2.2219	0.007
33582.478682	0.478682	8.6986	10-Dec-91	11:29:18	2.2277	0.007
33582.478686	0.478686	8.6986	10-Dec-91	11:29:18	2.2334	0.007
33582.478689	0.478689	8.6986	10-Dec-91	11:29:19	2.2378	0.007
33582.478691	0.478691	8.6986	10-Dec-91	11:29:19	2.2406	0.007
33582.478694	0.478694	8.6986	10-Dec-91	11:29:19	2.2450	0.007

33582.478697	0.478697	8.6986	10-Dec-91	11:29:19	2.2493	0.007
33582.478699	0.478699	8.6986	10-Dec-91	11:29:20	2.2522	0.007
33582.478703	0.478703	8.6986	10-Dec-91	11:29:20	2.2579	0.007
33582.478707	0.478707	8.6986	10-Dec-91	11:29:20	2.2637	0.007
33582.478709	0.478709	8.6986	10-Dec-91	11:29:20	2.2666	0.007
33582.478713	0.478713	8.6986	10-Dec-91	11:29:21	2.2723	0.007
33582.478715	0.478715	8.6986	10-Dec-91	11:29:21	2.2752	0.007
33582.478718	0.478718	8.6986	10-Dec-91	11:29:21	2.2795	0.007
33582.478721	0.478721	8.6986	10-Dec-91	11:29:21	2.2838	0.007
33582.478723	0.478723	8.6986	10-Dec-91	11:29:22	2.2867	0.007
33582.478728	0.478728	8.6986	10-Dec-91	11:29:22	2.2939	0.007
33582.47873	0.47873	8.6986	10-Dec-91	11:29:22	2.2968	0.007
33582.478734	0.478734	8.6986	10-Dec-91	11:29:23	2.3026	0.007
33582.478736	0.478736	8.6986	10-Dec-91	11:29:23	2.3054	0.007
33582.478738	0.478738	8.6986	10-Dec-91	11:29:23	2.3083	0.007
33582.478742	0.478742	8.6986	10-Dec-91	11:29:23	2.3141	0.007
33582.478744	0.478744	8.6986	10-Dec-91	11:29:23	2.3170	0.007
33582.478749	0.478749	8.6986	10-Dec-91	11:29:24	2.3242	0.007
33582.478751	0.478751	8.6986	10-Dec-91	11:29:24	2.3270	0.007
33582.478755	0.478755	8.6986	10-Dec-91	11:29:24	2.3328	0.007
33582.478757	0.478757	8.6986	10-Dec-91	11:29:25	2.3357	0.007
33582.478759	0.478759	8.6986	10-Dec-91	11:29:25	2.3386	0.007
33582.478763	0.478763	8.6986	10-Dec-91	11:29:25	2.3443	0.007
33582.478765	0.478765	8.6986	10-Dec-91	11:29:25	2.3472	0.007
33582.47877	0.47877	8.6986	10-Dec-91	11:29:26	2.3544	0.007
33582.478773	0.478773	8.6986	10-Dec-91	11:29:26	2.3587	0.007
33582.478775	0.478775	8.6986	10-Dec-91	11:29:26	2.3616	0.007
33582.478778	0.478778	8.6986	10-Dec-91	11:29:26	2.3659	0.007
33582.478781	0.478781	8.6986	10-Dec-91	11:29:27	2.3702	0.007
33582.478784	0.478784	8.6986	10-Dec-91	11:29:27	2.3746	0.007
33582.478786	0.478786	8.6986	10-Dec-91	11:29:27	2.3774	0.007
33582.478791	0.478791	8.6986	10-Dec-91	11:29:28	2.3846	0.007
33582.478794	0.478794	8.6986	10-Dec-91	11:29:28	2.3890	0.007
33582.478796	0.478796	8.6986	10-Dec-91	11:29:28	2.3918	0.007
33582.478799	0.478799	8.6986	10-Dec-91	11:29:28	2.3962	0.007
33582.478802	0.478802	8.6986	10-Dec-91	11:29:28	2.4005	0.007
33582.478804	0.478804	8.6986	10-Dec-91	11:29:29	2.4034	0.007
33582.478807	0.478807	8.6986	10-Dec-91	11:29:29	2.4077	0.007
33582.478811	0.478811	8.6986	10-Dec-91	11:29:29	2.4134	0.007
33582.478815	0.478815	8.6986	10-Dec-91	11:29:30	2.4192	0.007
33582.478817	0.478817	8.6986	10-Dec-91	11:29:30	2.4221	0.007
33582.478821	0.478821	8.6986	10-Dec-91	11:29:30	2.4278	0.007
33582.478823	0.478823	8.6986	10-Dec-91	11:29:30	2.4307	0.007
33582.478825	0.478825	8.6986	10-Dec-91	11:29:30	2.4336	0.007
33582.478829	0.478829	8.6986	10-Dec-91	11:29:31	2.4394	0.007
33582.478833	0.478833	8.6986	10-Dec-91	11:29:31	2.4451	0.007
33582.478836	0.478836	8.6986	10-Dec-91	11:29:31	2.4494	0.007

33582.478838	0.478838	8.6986	10-Dec-91	11:29:32	2.4523	0.007
33582.478841	0.478841	8.6986	10-Dec-91	11:29:32	2.4566	0.007
33582.478844	0.478844	8.6986	10-Dec-91	11:29:32	2.4610	0.007
33582.478846	0.478846	8.6986	10-Dec-91	11:29:32	2.4638	0.007
33582.47885	0.47885	8.6986	10-Dec-91	11:29:33	2.4696	0.007
33582.478854	0.478854	8.6986	10-Dec-91	11:29:33	2.4754	0.007
33582.478856	0.478856	8.6986	10-Dec-91	11:29:33	2.4782	0.007
33582.478859	0.478859	8.6986	10-Dec-91	11:29:33	2.4826	0.007
33582.478862	0.478862	8.6986	10-Dec-91	11:29:34	2.4869	0.007
33582.478865	0.478865	8.6986	10-Dec-91	11:29:34	2.4912	0.007
33582.478867	0.478867	8.6986	10-Dec-91	11:29:34	2.4941	0.007
33582.47887	0.47887	8.6986	10-Dec-91	11:29:34	2.4984	0.007
33582.478875	0.478875	8.6986	10-Dec-91	11:29:35	2.5056	0.007
33582.478877	0.478877	8.6986	10-Dec-91	11:29:35	2.5085	0.007
33582.478881	0.478881	8.6986	10-Dec-91	11:29:35	2.5142	0.007
33582.478883	0.478883	8.6986	10-Dec-91	11:29:35	2.5171	0.007
33582.478885	0.478885	8.6986	10-Dec-91	11:29:36	2.5200	0.007
33582.478889	0.478889	8.7058	10-Dec-91	11:29:36	2.5258	0.000
33582.478891	0.478891	8.7203	10-Dec-91	11:29:36	2.5286	0.014
33582.478896	0.478896	8.713	10-Dec-91	11:29:37	2.5358	0.007
33582.478898	0.478898	8.713	10-Dec-91	11:29:37	2.5387	0.007
33582.478902	0.478902	8.7058	10-Dec-91	11:29:37	2.5445	0.000
33582.478904	0.478904	8.7058	10-Dec-91	11:29:37	2.5474	0.000
33582.478906	0.478906	8.6986	10-Dec-91	11:29:37	2.5502	0.007
33582.47891	0.47891	8.6986	10-Dec-91	11:29:38	2.5560	0.007
33582.478912	0.478912	8.6986	10-Dec-91	11:29:38	2.5589	0.007
33582.478917	0.478917	8.6914	10-Dec-91	11:29:38	2.5661	0.014
33582.478919	0.478919	8.6842	10-Dec-91	11:29:39	2.5690	0.022
33582.478922	0.478922	8.6842	10-Dec-91	11:29:39	2.5733	0.022
33582.478925	0.478925	8.6914	10-Dec-91	11:29:39	2.5776	0.014
33582.478928	0.478928	8.6914	10-Dec-91	11:29:39	2.5819	0.014
33582.478931	0.478931	8.6986	10-Dec-91	11:29:40	2.5862	0.007
33582.478933	0.478933	8.6986	10-Dec-91	11:29:40	2.5891	0.007
33582.478938	0.478938	8.6986	10-Dec-91	11:29:40	2.5963	0.007
33582.478941	0.478941	8.6986	10-Dec-91	11:29:41	2.6006	0.007
33582.478943	0.478943	8.6986	10-Dec-91	11:29:41	2.6035	0.007
33582.478946	0.478946	8.6986	10-Dec-91	11:29:41	2.6078	0.007
33582.478949	0.478949	8.7058	10-Dec-91	11:29:41	2.6122	0.000
33582.478951	0.478951	8.6986	10-Dec-91	11:29:41	2.6150	0.007
33582.478954	0.478954	8.7058	10-Dec-91	11:29:42	2.6194	0.000
33582.478958	0.478958	8.6986	10-Dec-91	11:29:42	2.6251	0.007
33582.478962	0.478962	8.6986	10-Dec-91	11:29:42	2.6309	0.007
33582.478964	0.478964	8.6986	10-Dec-91	11:29:42	2.6338	0.007
33582.478966	0.478966	8.6986	10-Dec-91	11:29:43	2.6366	0.007
33582.47897	0.47897	8.6986	10-Dec-91	11:29:43	2.6424	0.007
33582.478972	0.478972	8.7058	10-Dec-91	11:29:43	2.6453	0.000
33582.478975	0.478975	8.6986	10-Dec-91	11:29:43	2.6496	0.007

33582.47898	0.47898	8.6986	10-Dec-91	11:29:44	2.6568	0.007
33582.478983	0.478983	8.6986	10-Dec-91	11:29:44	2.6611	0.007
33582.478985	0.478985	8.6986	10-Dec-91	11:29:44	2.6640	0.007
33582.478988	0.478988	8.6986	10-Dec-91	11:29:45	2.6683	0.007
33582.478991	0.478991	8.7058	10-Dec-91	11:29:45	2.6726	0.000
33582.478993	0.478993	8.6986	10-Dec-91	11:29:45	2.6755	0.007
33582.478997	0.478997	8.6986	10-Dec-91	11:29:45	2.6813	0.007
33582.479001	0.479001	8.6986	10-Dec-91	11:29:46	2.6870	0.007
33582.479003	0.479003	8.6986	10-Dec-91	11:29:46	2.6899	0.007
33582.479006	0.479006	8.6986	10-Dec-91	11:29:46	2.6942	0.007
33582.479009	0.479009	8.6986	10-Dec-91	11:29:46	2.6986	0.007
33582.479012	0.479012	8.6986	10-Dec-91	11:29:47	2.7029	0.007
33582.479014	0.479014	8.6986	10-Dec-91	11:29:47	2.7058	0.007
33582.479017	0.479017	8.7058	10-Dec-91	11:29:47	2.7101	0.000
33582.479022	0.479022	8.6986	10-Dec-91	11:29:48	2.7173	0.007
33582.479024	0.479024	8.6986	10-Dec-91	11:29:48	2.7202	0.007
33582.479027	0.479027	8.6986	10-Dec-91	11:29:48	2.7245	0.007
33582.47903	0.47903	8.6986	10-Dec-91	11:29:48	2.7288	0.007
33582.479032	0.479032	8.6986	10-Dec-91	11:29:48	2.7317	0.007
33582.479036	0.479036	8.6986	10-Dec-91	11:29:49	2.7374	0.007
33582.479038	0.479038	8.6986	10-Dec-91	11:29:49	2.7403	0.007
33582.479043	0.479043	8.7058	10-Dec-91	11:29:49	2.7475	0.000
33582.479045	0.479045	8.7058	10-Dec-91	11:29:49	2.7504	0.000
33582.479049	0.479049	8.6986	10-Dec-91	11:29:50	2.7562	0.007
33582.479051	0.479051	8.6986	10-Dec-91	11:29:50	2.7590	0.007
33582.479053	0.479053	8.7058	10-Dec-91	11:29:50	2.7619	0.000
33582.479057	0.479057	8.6986	10-Dec-91	11:29:51	2.7677	0.007
33582.479059	0.479059	8.7058	10-Dec-91	11:29:51	2.7706	0.000
33582.479064	0.479064	8.6986	10-Dec-91	11:29:51	2.7778	0.007
33582.479066	0.479066	8.6986	10-Dec-91	11:29:51	2.7806	0.007
33582.479069	0.479069	8.7058	10-Dec-91	11:29:52	2.7850	0.000
33582.479072	0.479072	8.6986	10-Dec-91	11:29:52	2.7893	0.007
33582.479074	0.479074	8.6986	10-Dec-91	11:29:52	2.7922	0.007
33582.479078	0.479078	8.6986	10-Dec-91	11:29:52	2.7979	0.007
33582.47908	0.47908	8.6986	10-Dec-91	11:29:53	2.8008	0.007
33582.479084	0.479084	8.6986	10-Dec-91	11:29:53	2.8066	0.007
33582.479087	0.479087	8.7058	10-Dec-91	11:29:53	2.8109	0.000
33582.47909	0.47909	8.6986	10-Dec-91	11:29:53	2.8152	0.007
33582.479093	0.479093	8.6986	10-Dec-91	11:29:54	2.8195	0.007
33582.479096	0.479096	8.6986	10-Dec-91	11:29:54	2.8238	0.007
33582.479098	0.479098	8.7058	10-Dec-91	11:29:54	2.8267	0.000
33582.479101	0.479101	8.6986	10-Dec-91	11:29:54	2.8310	0.007
33582.479105	0.479105	8.6986	10-Dec-91	11:29:55	2.8368	0.007
33582.479109	0.479109	8.6986	10-Dec-91	11:29:55	2.8426	0.007
33582.479111	0.479111	8.6986	10-Dec-91	11:29:55	2.8454	0.007
33582.479113	0.479113	8.6986	10-Dec-91	11:29:55	2.8483	0.007
33582.479117	0.479117	8.6986	10-Dec-91	11:29:56	2.8541	0.007

33582.479119	0.479119	8.6986	10-Dec-91	11:29:56	2.8570	0.007
33582.479122	0.479122	8.6986	10-Dec-91	11:29:56	2.8613	0.007
33582.479126	0.479126	8.6986	10-Dec-91	11:29:56	2.8670	0.007
33582.47913	0.47913	8.6986	10-Dec-91	11:29:57	2.8728	0.007
33582.479132	0.479132	8.7058	10-Dec-91	11:29:57	2.8757	0.000
33582.479134	0.479134	8.6986	10-Dec-91	11:29:57	2.8786	0.007
33582.479138	0.479138	8.6986	10-Dec-91	11:29:58	2.8843	0.007
33582.47914	0.47914	8.6986	10-Dec-91	11:29:58	2.8872	0.007
33582.479144	0.479144	8.6986	10-Dec-91	11:29:58	2.8930	0.007
33582.479148	0.479148	8.7058	10-Dec-91	11:29:58	2.8987	0.000
33582.47915	0.47915	8.6986	10-Dec-91	11:29:59	2.9016	0.007
33582.479153	0.479153	8.6986	10-Dec-91	11:29:59	2.9059	0.007
33582.479156	0.479156	8.6986	10-Dec-91	11:29:59	2.9102	0.007
33582.479159	0.479159	8.6986	10-Dec-91	11:29:59	2.9146	0.007
33582.479161	0.479161	8.6986	10-Dec-91	11:30:00	2.9174	0.007
33582.479164	0.479164	8.6986	10-Dec-91	11:30:00	2.9218	0.007
33582.479169	0.479169	8.6986	10-Dec-91	11:30:00	2.9290	0.007
33582.479171	0.479171	8.6986	10-Dec-91	11:30:00	2.9318	0.007
33582.479174	0.479174	8.6986	10-Dec-91	11:30:01	2.9362	0.007
33582.479177	0.479177	8.6986	10-Dec-91	11:30:01	2.9405	0.007
33582.479179	0.479179	8.7058	10-Dec-91	11:30:01	2.9434	0.000
33582.479182	0.479182	8.6986	10-Dec-91	11:30:01	2.9477	0.007
33582.479185	0.479185	8.6986	10-Dec-91	11:30:02	2.9520	0.007
33582.47919	0.47919	8.6986	10-Dec-91	11:30:02	2.9592	0.007
33582.479192	0.479192	8.7058	10-Dec-91	11:30:02	2.9621	0.000
33582.479194	0.479194	8.6986	10-Dec-91	11:30:02	2.9650	0.007
33582.479198	0.479198	8.6986	10-Dec-91	11:30:03	2.9707	0.007
33582.4792	0.4792	8.6986	10-Dec-91	11:30:03	2.9736	0.007
33582.479204	0.479204	8.6986	10-Dec-91	11:30:03	2.9794	0.007
33582.479206	0.479206	8.6986	10-Dec-91	11:30:03	2.9822	0.007
33582.479211	0.479211	8.6986	10-Dec-91	11:30:04	2.9894	0.007
33582.479213	0.479213	8.6986	10-Dec-91	11:30:04	2.9923	0.007
33582.479216	0.479216	8.6986	10-Dec-91	11:30:04	2.9966	0.007
33582.479219	0.479219	8.6986	10-Dec-91	11:30:05	3.0010	0.007
33582.479221	0.479221	8.6986	10-Dec-91	11:30:05	3.0038	0.007
33582.479225	0.479225	8.6986	10-Dec-91	11:30:05	3.0096	0.007
33582.479227	0.479227	8.6986	10-Dec-91	11:30:05	3.0125	0.007
33582.479231	0.479231	8.6986	10-Dec-91	11:30:06	3.0182	0.007
33582.479234	0.479234	8.6986	10-Dec-91	11:30:06	3.0226	0.007
33582.479237	0.479237	8.6986	10-Dec-91	11:30:06	3.0269	0.007
33582.47924	0.47924	8.6986	10-Dec-91	11:30:06	3.0312	0.007
33582.479242	0.479242	8.6986	10-Dec-91	11:30:07	3.0341	0.007
33582.479245	0.479245	8.6986	10-Dec-91	11:30:07	3.0384	0.007
33582.479248	0.479248	8.6986	10-Dec-91	11:30:07	3.0427	0.007
33582.479252	0.479252	8.6986	10-Dec-91	11:30:07	3.0485	0.007
33582.479256	0.479256	8.6986	10-Dec-91	11:30:08	3.0542	0.007
33582.479258	0.479258	8.6986	10-Dec-91	11:30:08	3.0571	0.007

33582.47926	0.47926	8.6986	10-Dec-91	11:30:08	3.0600	0.007
33582.479264	0.479264	8.6986	10-Dec-91	11:30:08	3.0658	0.007
33582.479266	0.479266	8.6986	10-Dec-91	11:30:09	3.0686	0.007
33582.479269	0.479269	8.6986	10-Dec-91	11:30:09	3.0730	0.007
33582.479273	0.479273	8.6986	10-Dec-91	11:30:09	3.0787	0.007
33582.479277	0.479277	8.6986	10-Dec-91	11:30:10	3.0845	0.007
33582.479279	0.479279	8.6986	10-Dec-91	11:30:10	3.0874	0.007
33582.479281	0.479281	8.6986	10-Dec-91	11:30:10	3.0902	0.007
33582.479285	0.479285	8.6986	10-Dec-91	11:30:10	3.0960	0.007
33582.479287	0.479287	8.6986	10-Dec-91	11:30:10	3.0989	0.007
33582.479289	0.479289	8.6986	10-Dec-91	11:30:11	3.1018	0.007
33582.479294	0.479294	8.6986	10-Dec-91	11:30:11	3.1090	0.007
33582.479297	0.479297	8.6986	10-Dec-91	11:30:11	3.1133	0.007
33582.4793	0.4793	8.7058	10-Dec-91	11:30:12	3.1176	0.000
33582.479302	0.479302	8.7058	10-Dec-91	11:30:12	3.1205	0.000
33582.479306	0.479306	8.6986	10-Dec-91	11:30:12	3.1262	0.007
33582.479308	0.479308	8.6986	10-Dec-91	11:30:12	3.1291	0.007
33582.479311	0.479311	8.6986	10-Dec-91	11:30:12	3.1334	0.007
33582.479316	0.479316	8.6986	10-Dec-91	11:30:13	3.1406	0.007
33582.479318	0.479318	8.6986	10-Dec-91	11:30:13	3.1435	0.007
33582.479321	0.479321	8.6986	10-Dec-91	11:30:13	3.1478	0.007
33582.479324	0.479324	8.6986	10-Dec-91	11:30:14	3.1522	0.007
33582.479326	0.479326	8.6986	10-Dec-91	11:30:14	3.1550	0.007
33582.479329	0.479329	8.7058	10-Dec-91	11:30:14	3.1594	0.000
33582.479332	0.479332	8.6986	10-Dec-91	11:30:14	3.1637	0.007
33582.479337	0.479337	8.6986	10-Dec-91	11:30:15	3.1709	0.007
33582.479339	0.479339	8.6986	10-Dec-91	11:30:15	3.1738	0.007
33582.479341	0.479341	8.6986	10-Dec-91	11:30:15	3.1766	0.007
33582.479345	0.479345	8.6986	10-Dec-91	11:30:15	3.1824	0.007
33582.479347	0.479347	8.6986	10-Dec-91	11:30:16	3.1853	0.007
33582.47935	0.47935	8.6986	10-Dec-91	11:30:16	3.1896	0.007
33582.479353	0.479353	8.6986	10-Dec-91	11:30:16	3.1939	0.007
33582.479358	0.479358	8.6986	10-Dec-91	11:30:17	3.2011	0.007
33582.47936	0.47936	8.6986	10-Dec-91	11:30:17	3.2040	0.007
33582.479363	0.479363	8.6986	10-Dec-91	11:30:17	3.2083	0.007
33582.479366	0.479366	8.6986	10-Dec-91	11:30:17	3.2126	0.007
33582.479368	0.479368	8.6986	10-Dec-91	11:30:17	3.2155	0.007
33582.479372	0.479372	8.7058	10-Dec-91	11:30:18	3.2213	0.000
33582.479374	0.479374	8.6986	10-Dec-91	11:30:18	3.2242	0.007
33582.479378	0.479378	8.6986	10-Dec-91	11:30:18	3.2299	0.007
33582.479381	0.479381	8.6986	10-Dec-91	11:30:19	3.2342	0.007
33582.479384	0.479384	8.6986	10-Dec-91	11:30:19	3.2386	0.007
33582.479387	0.479387	8.6986	10-Dec-91	11:30:19	3.2429	0.007
33582.479389	0.479389	8.6986	10-Dec-91	11:30:19	3.2458	0.007
33582.479392	0.479392	8.6986	10-Dec-91	11:30:19	3.2501	0.007
33582.479395	0.479395	8.6986	10-Dec-91	11:30:20	3.2544	0.007
33582.479399	0.479399	8.6986	10-Dec-91	11:30:20	3.2602	0.007

33582.479402	0.479402	8.6986	10-Dec-91	11:30:20	3.2645	0.007
33582.479405	0.479405	8.6986	10-Dec-91	11:30:21	3.2688	0.007
33582.479407	0.479407	8.6986	10-Dec-91	11:30:21	3.2717	0.007
33582.47941	0.47941	8.6986	10-Dec-91	11:30:21	3.2760	0.007
33582.479413	0.479413	8.6986	10-Dec-91	11:30:21	3.2803	0.007
33582.479416	0.479416	8.6986	10-Dec-91	11:30:22	3.2846	0.007
33582.47942	0.47942	8.6986	10-Dec-91	11:30:22	3.2904	0.007
33582.479424	0.479424	8.6986	10-Dec-91	11:30:22	3.2962	0.007
33582.479426	0.479426	8.6986	10-Dec-91	11:30:22	3.2990	0.007
33582.479428	0.479428	8.6986	10-Dec-91	11:30:23	3.3019	0.007
33582.479432	0.479432	8.6986	10-Dec-91	11:30:23	3.3077	0.007
33582.479434	0.479434	8.6986	10-Dec-91	11:30:23	3.3106	0.007
33582.479436	0.479436	8.6986	10-Dec-91	11:30:23	3.3134	0.007
33582.479441	0.479441	8.6986	10-Dec-91	11:30:24	3.3206	0.007
33582.479444	0.479444	8.6986	10-Dec-91	11:30:24	3.3250	0.007
33582.479447	0.479447	8.7058	10-Dec-91	11:30:24	3.3293	0.000
33582.479449	0.479449	8.6986	10-Dec-91	11:30:24	3.3322	0.007
33582.479453	0.479453	8.7058	10-Dec-91	11:30:25	3.3379	0.000
33582.479455	0.479455	8.6986	10-Dec-91	11:30:25	3.3408	0.007
33582.479457	0.479457	8.7058	10-Dec-91	11:30:25	3.3437	0.000
33582.479462	0.479462	8.6986	10-Dec-91	11:30:26	3.3509	0.007
33582.479465	0.479465	8.6986	10-Dec-91	11:30:26	3.3552	0.007
33582.479468	0.479468	8.6986	10-Dec-91	11:30:26	3.3595	0.007
33582.479471	0.479471	8.6986	10-Dec-91	11:30:26	3.3638	0.007
33582.479473	0.479473	8.6986	10-Dec-91	11:30:26	3.3667	0.007
33582.479476	0.479476	8.6986	10-Dec-91	11:30:27	3.3710	0.007
33582.479479	0.479479	8.6986	10-Dec-91	11:30:27	3.3754	0.007
33582.479484	0.479484	8.6986	10-Dec-91	11:30:27	3.3826	0.007
33582.479486	0.479486	8.6986	10-Dec-91	11:30:28	3.3854	0.007
33582.479488	0.479488	8.6986	10-Dec-91	11:30:28	3.3883	0.007
33582.479492	0.479492	8.6986	10-Dec-91	11:30:28	3.3941	0.007
33582.479494	0.479494	8.6986	10-Dec-91	11:30:28	3.3970	0.007
33582.479497	0.479497	8.6986	10-Dec-91	11:30:29	3.4013	0.007
33582.4795	0.4795	8.6986	10-Dec-91	11:30:29	3.4056	0.007
33582.479505	0.479505	8.6986	10-Dec-91	11:30:29	3.4128	0.007
33582.479507	0.479507	8.6986	10-Dec-91	11:30:29	3.4157	0.007
33582.479509	0.479509	8.6986	10-Dec-91	11:30:30	3.4186	0.007
33582.479513	0.479513	8.7058	10-Dec-91	11:30:30	3.4243	0.000
33582.479515	0.479515	8.6986	10-Dec-91	11:30:30	3.4272	0.007
33582.479517	0.479517	8.6986	10-Dec-91	11:30:30	3.4301	0.007
33582.479521	0.479521	8.7058	10-Dec-91	11:30:31	3.4358	0.000
33582.479525	0.479525	8.6986	10-Dec-91	11:30:31	3.4416	0.007
33582.479528	0.479528	8.6986	10-Dec-91	11:30:31	3.4459	0.007
33582.479531	0.479531	8.6986	10-Dec-91	11:30:31	3.4502	0.007
33582.479534	0.479534	8.6986	10-Dec-91	11:30:32	3.4546	0.007
33582.479536	0.479536	8.6986	10-Dec-91	11:30:32	3.4574	0.007
33582.479539	0.479539	8.6986	10-Dec-91	11:30:32	3.4618	0.007

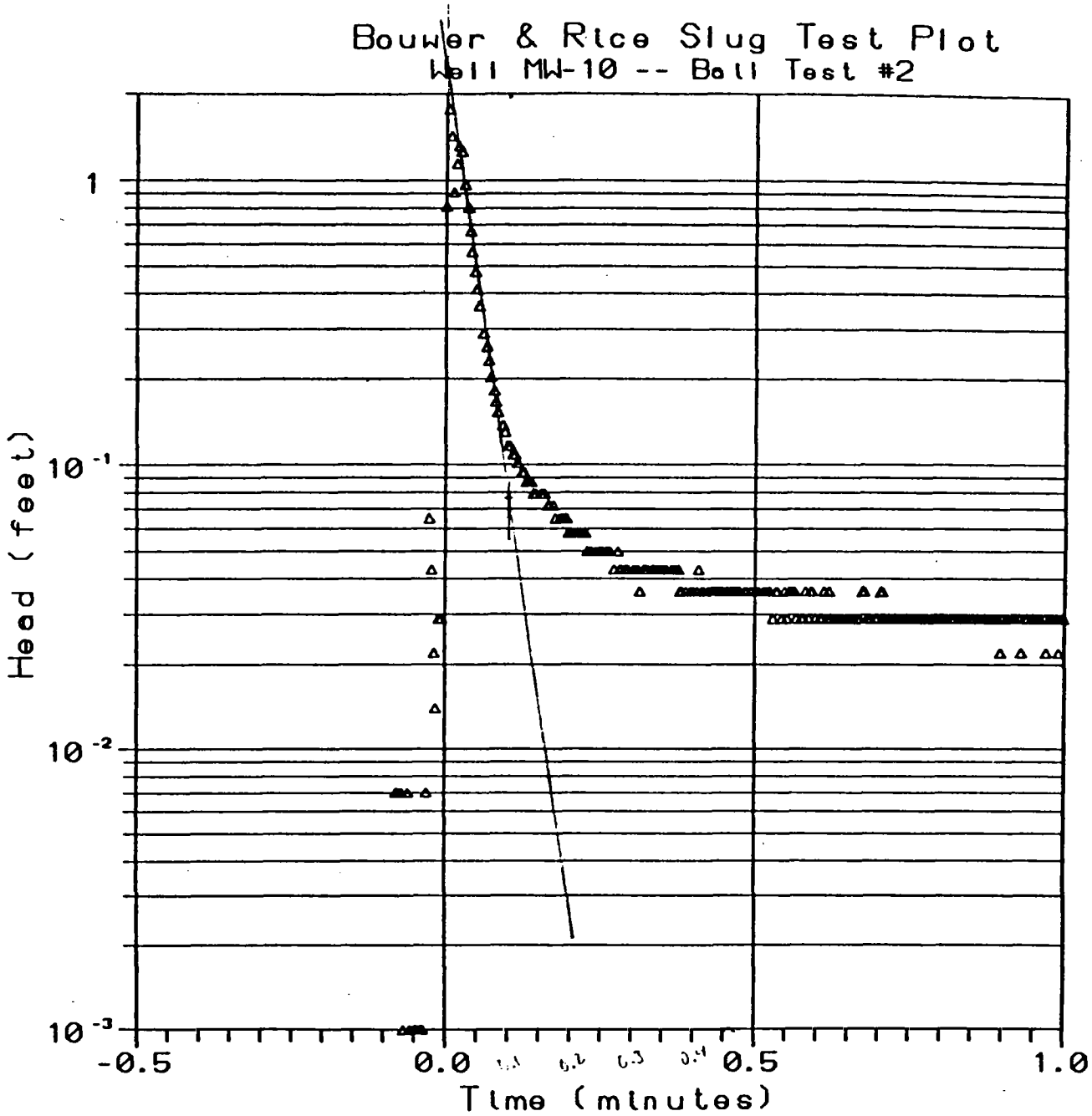
33582.479542	0.479542	8.6986	10-Dec-91	11:30:32	3.4661	0.007
33582.479546	0.479546	8.6986	10-Dec-91	11:30:33	3.4718	0.007
33582.479549	0.479549	8.6986	10-Dec-91	11:30:33	3.4762	0.007
33582.479552	0.479552	8.6986	10-Dec-91	11:30:33	3.4805	0.007
33582.479554	0.479554	8.7058	10-Dec-91	11:30:33	3.4834	0.000
33582.479557	0.479557	8.6986	10-Dec-91	11:30:34	3.4877	0.007
33582.47956	0.47956	8.6986	10-Dec-91	11:30:34	3.4920	0.007
33582.479563	0.479563	8.6986	10-Dec-91	11:30:34	3.4963	0.007
33582.479567	0.479567	8.6986	10-Dec-91	11:30:35	3.5021	0.007
33582.479569	0.479569	8.7058	10-Dec-91	11:30:35	3.5050	0.000
33582.479573	0.479573	8.6986	10-Dec-91	11:30:35	3.5107	0.007
33582.479575	0.479575	8.6986	10-Dec-91	11:30:35	3.5136	0.007
33582.479578	0.479578	8.6986	10-Dec-91	11:30:36	3.5179	0.007
33582.479581	0.479581	8.6986	10-Dec-91	11:30:36	3.5222	0.007
33582.479583	0.479583	8.6986	10-Dec-91	11:30:36	3.5251	0.007
33582.479588	0.479588	8.6986	10-Dec-91	11:30:36	3.5323	0.007
33582.479591	0.479591	8.6986	10-Dec-91	11:30:37	3.5366	0.007
33582.479594	0.479594	8.6986	10-Dec-91	11:30:37	3.5410	0.007
33582.479596	0.479596	8.6986	10-Dec-91	11:30:37	3.5438	0.007
33582.4796	0.4796	8.6986	10-Dec-91	11:30:37	3.5496	0.007
33582.479602	0.479602	8.6986	10-Dec-91	11:30:38	3.5525	0.007
33582.479604	0.479604	8.6986	10-Dec-91	11:30:38	3.5554	0.007
33582.479609	0.479609	8.6986	10-Dec-91	11:30:38	3.5626	0.007
33582.479612	0.479612	8.6986	10-Dec-91	11:30:38	3.5669	0.007
33582.479615	0.479615	8.6986	10-Dec-91	11:30:39	3.5712	0.007
33582.479617	0.479617	8.6986	10-Dec-91	11:30:39	3.5741	0.007
33582.47962	0.47962	8.7058	10-Dec-91	11:30:39	3.5784	0.000
33582.479623	0.479623	8.7058	10-Dec-91	11:30:39	3.5827	0.000
33582.479625	0.479625	8.6986	10-Dec-91	11:30:40	3.5856	0.007
33582.47963	0.47963	8.6986	10-Dec-91	11:30:40	3.5928	0.007
33582.479633	0.479633	8.6986	10-Dec-91	11:30:40	3.5971	0.007
33582.479635	0.479635	8.6986	10-Dec-91	11:30:40	3.6000	0.007
33582.479639	0.479639	8.6986	10-Dec-91	11:30:41	3.6058	0.007
33582.479641	0.479641	8.6986	10-Dec-91	11:30:41	3.6086	0.007
33582.479644	0.479644	8.6986	10-Dec-91	11:30:41	3.6130	0.007
33582.479647	0.479647	8.6986	10-Dec-91	11:30:42	3.6173	0.007
33582.479652	0.479652	8.6986	10-Dec-91	11:30:[illegible]	3.6245	0.007
33582.479654	0.479654	8.7058	10-Dec-91	11:30:42	3.6274	0.000
33582.479656	0.479656	8.7058	10-Dec-91	11:30:42	3.6302	0.000
33582.47966	0.47966	8.6986	10-Dec-91	11:30:43	3.6360	0.007
33582.479662	0.479662	8.6986	10-Dec-91	11:30:43	3.6389	0.007
33582.479664	0.479664	8.6986	10-Dec-91	11:30:43	3.6418	0.007
33582.479668	0.479668	8.6986	10-Dec-91	11:30:43	3.6475	0.007
33582.479672	0.479672	8.6986	10-Dec-91	11:30:44	3.6533	0.007
33582.479675	0.479675	8.6986	10-Dec-91	11:30:44	3.6576	0.007
33582.479677	0.479677	8.7058	10-Dec-91	11:30:44	3.6605	0.000
33582.479681	0.479681	8.6986	10-Dec-91	11:30:44	3.6662	0.007

33582.479683	0.479683	8.7058	10-Dec-91	11:30:45	3.6691	0.000
33582.479685	0.479685	8.6986	10-Dec-91	11:30:45	3.6720	0.007
33582.479689	0.479689	8.6986	10-Dec-91	11:30:45	3.6778	0.007
33582.479693	0.479693	8.6986	10-Dec-91	11:30:45	3.6835	0.007
33582.479696	0.479696	8.6986	10-Dec-91	11:30:46	3.6878	0.007
33582.479699	0.479699	8.6986	10-Dec-91	11:30:46	3.6922	0.007
33582.479701	0.479701	8.6986	10-Dec-91	11:30:46	3.6950	0.007
33582.479704	0.479704	8.6986	10-Dec-91	11:30:46	3.6994	0.007
33582.479707	0.479707	8.6986	10-Dec-91	11:30:47	3.7037	0.007
33582.479709	0.479709	8.6986	10-Dec-91	11:30:47	3.7066	0.007
33582.479714	0.479714	8.7058	10-Dec-91	11:30:47	3.7138	0.000
33582.479716	0.479716	8.7058	10-Dec-91	11:30:47	3.7166	0.000
33582.47972	0.47972	8.6986	10-Dec-91	11:30:48	3.7224	0.007
33582.479722	0.479722	8.6986	10-Dec-91	11:30:48	3.7253	0.007
33582.479725	0.479725	8.6986	10-Dec-91	11:30:48	3.7296	0.007
33582.479728	0.479728	8.6986	10-Dec-91	11:30:48	3.7339	0.007
33582.47973	0.47973	8.6986	10-Dec-91	11:30:49	3.7368	0.007
33582.479735	0.479735	8.7058	10-Dec-91	11:30:49	3.7440	0.000
33582.479737	0.479737	8.6986	10-Dec-91	11:30:49	3.7469	0.007
33582.479741	0.479741	8.6986	10-Dec-91	11:30:50	3.7526	0.007
33582.479743	0.479743	8.6986	10-Dec-91	11:30:50	3.7555	0.007
33582.479747	0.479747	8.6986	10-Dec-91	11:30:50	3.7613	0.007
33582.479749	0.479749	8.6986	10-Dec-91	11:30:50	3.7642	0.007
33582.479751	0.479751	8.6986	10-Dec-91	11:30:50	3.7670	0.007
33582.479756	0.479756	8.7058	10-Dec-91	11:30:51	3.7742	0.000
33582.479759	0.479759	8.6986	10-Dec-91	11:30:51	3.7786	0.007
33582.479762	0.479762	8.6986	10-Dec-91	11:30:51	3.7829	0.007
33582.479764	0.479764	8.6986	10-Dec-91	11:30:52	3.7858	0.007
33582.479767	0.479767	8.6986	10-Dec-91	11:30:52	3.7901	0.007
33582.47977	0.47977	8.6986	10-Dec-91	11:30:52	3.7944	0.007
33582.479772	0.479772	8.6986	10-Dec-91	11:30:52	3.7973	0.007
33582.479777	0.479777	8.6986	10-Dec-91	11:30:53	3.8045	0.007
33582.47978	0.47978	8.6986	10-Dec-91	11:30:53	3.8088	0.007
33582.479782	0.479782	8.6986	10-Dec-91	11:30:53	3.8117	0.007
33582.479785	0.479785	8.6986	10-Dec-91	11:30:53	3.8160	0.007
33582.479788	0.479788	8.7058	10-Dec-91	11:30:54	3.8203	0.000
33582.479791	0.479791	8.6986	10-Dec-91	11:30:54	3.8246	0.007
33582.479793	0.479793	8.6986	10-Dec-91	11:30:54	3.8275	0.007
33582.479799	0.479799	8.7058	10-Dec-91	11:30:55	3.8362	0.000
33582.479801	0.479801	8.7058	10-Dec-91	11:30:55	3.8390	0.000
33582.479803	0.479803	8.6986	10-Dec-91	11:30:55	3.8419	0.007
33582.479807	0.479807	8.7058	10-Dec-91	11:30:55	3.8477	0.000
33582.479809	0.479809	8.6986	10-Dec-91	11:30:55	3.8506	0.007
33582.479811	0.479811	8.6986	10-Dec-91	11:30:56	3.8534	0.007
33582.479815	0.479815	8.6986	10-Dec-91	11:30:56	3.8592	0.007
33582.479819	0.479819	8.6986	10-Dec-91	11:30:56	3.8650	0.007
33582.479822	0.479822	8.6986	10-Dec-91	11:30:57	3.8693	0.007

33582.479824	0.479824	8.7058	10-Dec-91	11:30:57	3.8722	0.000
33582.479828	0.479828	8.6986	10-Dec-91	11:30:57	3.8779	0.007
33582.47983	0.47983	8.7058	10-Dec-91	11:30:57	3.8808	0.000
33582.479832	0.479832	8.7058	10-Dec-91	11:30:57	3.8837	0.000
33582.479836	0.479836	8.6986	10-Dec-91	11:30:58	3.8894	0.007
33582.47984	0.47984	8.6986	10-Dec-91	11:30:58	3.8952	0.007
33582.479843	0.479843	8.7058	10-Dec-91	11:30:58	3.8995	0.000
33582.479845	0.479845	8.7058	10-Dec-91	11:30:59	3.9024	0.000
33582.479848	0.479848	8.6986	10-Dec-91	11:30:59	3.9067	0.007
33582.479851	0.479851	8.6986	10-Dec-91	11:30:59	3.9110	0.007
33582.479854	0.479854	8.7058	10-Dec-91	11:30:59	3.9154	0.000
33582.479856	0.479856	8.6986	10-Dec-91	11:31:00	3.9182	0.007
33582.479861	0.479861	8.6986	10-Dec-91	11:31:00	3.9254	0.007
33582.479863	0.479863	8.6986	10-Dec-91	11:31:00	3.9283	0.007
33582.479867	0.479867	8.6986	10-Dec-91	11:31:01	3.9341	0.007
33582.479869	0.479869	8.7058	10-Dec-91	11:31:01	3.9370	0.000
33582.479872	0.479872	8.6986	10-Dec-91	11:31:01	3.9413	0.007
33582.479875	0.479875	8.6986	10-Dec-91	11:31:01	3.9456	0.007
33582.479877	0.479877	8.6986	10-Dec-91	11:31:01	3.9485	0.007
33582.479882	0.479882	8.6986	10-Dec-91	11:31:02	3.9557	0.007
33582.479884	0.479884	8.6986	10-Dec-91	11:31:02	3.9586	0.007
33582.479888	0.479888	8.6986	10-Dec-91	11:31:02	3.9643	0.007
33582.47989	0.47989	8.6986	10-Dec-91	11:31:02	3.9672	0.007
33582.479892	0.479892	8.6986	10-Dec-91	11:31:03	3.9701	0.007
33582.479896	0.479896	8.6986	10-Dec-91	11:31:03	3.9758	0.007
33582.479898	0.479898	8.6986	10-Dec-91	11:31:03	3.9787	0.007
33582.479903	0.479903	8.6986	10-Dec-91	11:31:04	3.9859	0.007
33582.479906	0.479906	8.6986	10-Dec-91	11:31:04	3.9902	0.007
33582.479909	0.479909	8.7058	10-Dec-91	11:31:04	3.9946	0.000
33582.479911	0.479911	8.7058	10-Dec-91	11:31:04	3.9974	0.000
33582.479914	0.479914	8.6986	10-Dec-91	11:31:05	4.0018	0.007
33582.479917	0.479917	8.6986	10-Dec-91	11:31:05	4.0061	0.007
33582.479919	0.479919	8.6986	10-Dec-91	11:31:05	4.0090	0.007
33582.479924	0.479924	8.7058	10-Dec-91	11:31:05	4.0162	0.000
33582.479927	0.479927	8.6986	10-Dec-91	11:31:06	4.0205	0.007
33582.479929	0.479929	8.6986	10-Dec-91	11:31:06	4.0234	0.007
33582.479932	0.479932	8.6986	10-Dec-91	11:31:06	4.0277	0.007
33582.479935	0.479935	8.6986	10-Dec-91	11:31:06	4.0320	0.007
33582.479937	0.479937	8.7058	10-Dec-91	11:31:07	4.0349	0.000
33582.47994	0.47994	8.7058	10-Dec-91	11:31:07	4.0392	0.000
33582.479944	0.479944	8.7058	10-Dec-91	11:31:07	4.0450	0.000
33582.479948	0.479948	8.6986	10-Dec-91	11:31:08	4.0507	0.007
33582.47995	0.47995	8.6986	10-Dec-91	11:31:08	4.0536	0.007
33582.479953	0.479953	8.7058	10-Dec-91	11:31:08	4.0579	0.000
33582.479956	0.479956	8.6986	10-Dec-91	11:31:08	4.0622	0.007
33582.479958	0.479958	8.6986	10-Dec-91	11:31:08	4.0651	0.007
33582.479962	0.479962	8.6986	10-Dec-91	11:31:09	4.0709	0.007

33582.479966	0.479966	8.6986	10-Dec-91	11:31:09	4.0766	0.007
33582.479969	0.479969	8.6986	10-Dec-91	11:31:09	4.0810	0.007
33582.479971	0.479971	8.6986	10-Dec-91	11:31:09	4.0838	0.007
33582.479975	0.479975	8.6986	10-Dec-91	11:31:10	4.0896	0.007
33582.479977	0.479977	8.6986	10-Dec-91	11:31:10	4.0925	0.007
33582.479979	0.479979	8.6986	10-Dec-91	11:31:10	4.0954	0.007
33582.479983	0.479983	8.7058	10-Dec-91	11:31:11	4.1011	0.000
33582.479987	0.479987	8.6986	10-Dec-91	11:31:11	4.1069	0.007
33582.47999	0.47999	8.6986	10-Dec-91	11:31:11	4.1112	0.007
33582.479992	0.479992	8.6986	10-Dec-91	11:31:11	4.1141	0.007
33582.479995	0.479995	8.6986	10-Dec-91	11:31:12	4.1184	0.007
33582.479998	0.479998	8.6986	10-Dec-91	11:31:12	4.1227	0.007
33582.48	0.48	8.6986	10-Dec-91	11:31:12	4.1256	0.007
33582.480003	0.480003	8.7058	10-Dec-91	11:31:12	4.1299	0.000
33582.480008	0.480008	8.6986	10-Dec-91	11:31:13	4.1371	0.007
33582.48001	0.48001	8.6986	10-Dec-91	11:31:13	4.1400	0.007
33582.480013	0.480013	8.7058	10-Dec-91	11:31:13	4.1443	0.000
33582.480016	0.480016	8.6986	10-Dec-91	11:31:13	4.1486	0.007
33582.480019	0.480019	8.6986	10-Dec-91	11:31:14	4.1530	0.007
33582.480022	0.480022	8.6986	10-Dec-91	11:31:14	4.1573	0.007
33582.480024	0.480024	8.6986	10-Dec-91	11:31:14	4.1602	0.007
33582.480029	0.480029	8.6986	10-Dec-91	11:31:15	4.1674	0.007
33582.480031	0.480031	8.6986	10-Dec-91	11:31:15	4.1702	0.007
33582.480035	0.480035	8.6986	10-Dec-91	11:31:15	4.1760	0.007
33582.480037	0.480037	8.6986	10-Dec-91	11:31:15	4.1789	0.007
33582.480039	0.480039	8.6986	10-Dec-91	11:31:15	4.1818	0.007
33582.480043	0.480043	8.6986	10-Dec-91	11:31:16	4.1875	0.007
33582.480045	0.480045	8.7058	10-Dec-91	11:31:16	4.1904	0.000
33582.48005	0.48005	8.6986	10-Dec-91	11:31:16	4.1976	0.007
33582.480052	0.480052	8.6986	10-Dec-91	11:31:16	4.2005	0.007
33582.480056	0.480056	8.6986	10-Dec-91	11:31:17	4.2062	0.007
33582.480058	0.480058	8.6986	10-Dec-91	11:31:17	4.2091	0.007
33582.48006	0.48006	8.6986	10-Dec-91	11:31:17	4.2120	0.007
33582.480064	0.480064	8.6986	10-Dec-91	11:31:18	4.2178	0.007
33582.480066	0.480066	8.6986	10-Dec-91	11:31:18	4.2206	0.007
33582.480071	0.480071	8.7058	10-Dec-91	11:31:18	4.2278	0.000
33582.480074	0.480074	8.6986	10-Dec-91	11:31:18	4.2322	0.007
33582.480076	0.480076	8.7058	10-Dec-91	11:31:19	4.2350	0.000
33582.480079	0.480079	8.6986	10-Dec-91	11:31:19	4.2394	0.007
33582.480082	0.480082	8.6986	10-Dec-91	11:31:19	4.2437	0.007
33582.480084	0.480084	8.6986	10-Dec-91	11:31:19	4.2466	0.007
33582.480087	0.480087	8.6986	10-Dec-91	11:31:20	4.2509	0.007
33582.480091	0.480091	8.6986	10-Dec-91	11:31:20	4.2566	0.007
33582.480095	0.480095	8.7058	10-Dec-91	11:31:20	4.2624	0.000
33582.480097	0.480097	8.6986	10-Dec-91	11:31:20	4.2653	0.007
33582.4801	0.4801	8.6986	10-Dec-91	11:31:21	4.2696	0.007
33582.480103	0.480103	8.6986	10-Dec-91	11:31:21	4.2739	0.007

33582.480105	0.480105	8.6986	10-Dec-91	11:31:21	4.2768	0.007
33582.480108	0.480108	8.7058	10-Dec-91	11:31:21	4.2811	0.000
33582.480112	0.480112	8.6986	10-Dec-91	11:31:22	4.2869	0.007
33582.480116	0.480116	8.6986	10-Dec-91	11:31:22	4.2926	0.007
33582.480118	0.480118	8.6986	10-Dec-91	11:31:22	4.2955	0.007
33582.48012	0.48012	8.6986	10-Dec-91	11:31:22	4.2984	0.007
33582.480124	0.480124	8.6986	10-Dec-91	11:31:23	4.3042	0.007
33582.480126	0.480126	8.6986	10-Dec-91	11:31:23	4.3070	0.007
33582.48013	0.48013	8.7058	10-Dec-91	11:31:23	4.3128	0.000
33582.480134	0.480134	8.7058	10-Dec-91	11:31:24	4.3186	0.000
33582.480137	0.480137	8.6986	10-Dec-91	11:31:24	4.3229	0.007
33582.480139	0.480139	8.6986	10-Dec-91	11:31:24	4.3258	0.007
33582.480142	0.480142	8.7058	10-Dec-91	11:31:24	4.3301	0.000
33582.480145	0.480145	8.6986	10-Dec-91	11:31:25	4.3344	0.007
33582.480147	0.480147	8.6986	10-Dec-91	11:31:25	4.3373	0.007
33582.48015	0.48015	8.6986	10-Dec-91	11:31:25	4.3416	0.007
33582.480155	0.480155	8.6986	10-Dec-91	11:31:25	4.3488	0.007
33582.480157	0.480157	8.6986	10-Dec-91	11:31:26	4.3517	0.007
33582.48016	0.48016	8.7058	10-Dec-91	11:31:26	4.3560	0.000
33582.480163	0.480163	8.6986	10-Dec-91	11:31:26	4.3603	0.007
33582.480166	0.480166	8.6986	10-Dec-91	11:31:26	4.3646	0.007
33582.480168	0.480168	8.7058	10-Dec-91	11:31:27	4.3675	0.000
33582.480171	0.480171	8.7058	10-Dec-91	11:31:27	4.3718	0.000
33582.480176	0.480176	8.6986	10-Dec-91	11:31:27	4.3790	0.007
33582.480178	0.480178	8.6986	10-Dec-91	11:31:27	4.3819	0.007
33582.480182	0.480182	8.6986	10-Dec-91	11:31:28	4.3877	0.007
33582.480184	0.480184	8.7058	10-Dec-91	11:31:28	4.3906	0.000
33582.480186	0.480186	8.6986	10-Dec-91	11:31:28	4.3934	0.007
33582.48019	0.48019	8.6986	10-Dec-91	11:31:28	4.3992	0.007
33582.480192	0.480192	8.7058	10-Dec-91	11:31:29	4.4021	0.000
33582.480197	0.480197	8.6986	10-Dec-91	11:31:29	4.4093	0.007
33582.480199	0.480199	8.7058	10-Dec-91	11:31:29	4.4122	0.000
33582.480203	0.480203	8.6986	10-Dec-91	11:31:30	4.4179	0.007


Bouwer & Rice Slug Test Plot
Well MW-10 -- Bail Test #2
Head (feet)
1
10 -1
10 -2
10 -3
-0.5
0.0
0.5
1.0
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-10s

Initial DTW (bgs) @ time < 0:	24.4	(feet)
Depth to top of sandpack:	14.0	(feet)
Depth to top of screen:	14.48	(feet)
H = Initial head @ time < 0:	8.73	(feet)
H(0)= Maximum head (@ t ~ 0):	1.77	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	11.1	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	11.1	(feet)
Length watertable to bottom of sandpack:	11.1	(feet)
b = Aquifer saturated thickness:	13.1	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	10-Dec-91
Test Start Time >>>>>>	11:46:05
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	8.7347

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33582.490287	0.490287	8.7419	10-Dec-91	11:46:01	-0.0778	0.007	
33582.490289	0.490289	8.7419	10-Dec-91	11:46:01	-0.0749	0.007	
33582.490293	0.490293	8.7419	10-Dec-91	11:46:01	-0.0691	0.007	
33582.490295	0.490295	8.7347	10-Dec-91	11:46:01	-0.0662	0.000	
33582.4903	0.4903	8.7419	10-Dec-91	11:46:02	-0.0590	0.007	
33582.490302	0.490302	8.7347	10-Dec-91	11:46:02	-0.0562	0.000	
33582.490306	0.490306	8.7347	10-Dec-91	11:46:02	-0.0504	0.000	
33582.490308	0.490308	8.7347	10-Dec-91	11:46:03	-0.0475	0.000	
33582.49031	0.49031	8.7347	10-Dec-91	11:46:03	-0.0446	0.000	
33582.490314	0.490314	8.7347	10-Dec-91	11:46:03	-0.0389	0.000	
33582.490316	0.490316	8.7347	10-Dec-91	11:46:03	-0.0360	0.000	
33582.490321	0.490321	8.7275	10-Dec-91	11:46:04	-0.0288	0.007	
33582.490323	0.490323	8.6697	10-Dec-91	11:46:04	-0.0259	0.065	
33582.490326	0.490326	8.6914	10-Dec-91	11:46:04	-0.0216	0.043	
33582.490329	0.490329	8.713	10-Dec-91	11:46:04	-0.0173	0.022	
33582.490331	0.490331	8.7203	10-Dec-91	11:46:05	-0.0144	0.014	
33582.490334	0.490334	8.7058	10-Dec-91	11:46:05	-0.0101	0.029	
33582.490337	0.490337	8.7058	10-Dec-91	11:46:05	-0.0058	0.029	
33582.490341	0.490341	7.9262	10-Dec-91	11:46:05	0.0000	0.809	Start bail test

33582.490344	0.490344	6.9661	10-Dec-91	11:46:06	0.0043	1.769
33582.490347	0.490347	7.3126	10-Dec-91	11:46:06	0.0086	1.422
33582.49035	0.49035	7.8251	10-Dec-91	11:46:06	0.0130	0.910
33582.490353	0.490353	7.5941	10-Dec-91	11:46:06	0.0173	1.141
33582.490355	0.490355	7.4209	10-Dec-91	11:46:07	0.0202	1.314
33582.490358	0.490358	7.4786	10-Dec-91	11:46:07	0.0245	1.256
33582.490362	0.490362	7.7674	10-Dec-91	11:46:07	0.0302	0.967
33582.490366	0.490366	7.9334	10-Dec-91	11:46:08	0.0360	0.801
33582.490368	0.490368	8.0706	10-Dec-91	11:46:08	0.0389	0.664
33582.49037	0.49037	8.1716	10-Dec-91	11:46:08	0.0418	0.563
33582.490374	0.490374	8.2583	10-Dec-91	11:46:08	0.0475	0.476
33582.490376	0.490376	8.3232	10-Dec-91	11:46:08	0.0504	0.412
33582.490378	0.490378	8.3738	10-Dec-91	11:46:09	0.0533	0.361
33582.490383	0.490383	8.4459	10-Dec-91	11:46:09	0.0605	0.289
33582.490387	0.490387	8.4748	10-Dec-91	11:46:09	0.0662	0.260
33582.490389	0.490389	8.5037	10-Dec-91	11:46:10	0.0691	0.231
33582.490391	0.490391	8.5326	10-Dec-91	11:46:10	0.0720	0.202
33582.490395	0.490395	8.5542	10-Dec-91	11:46:10	0.0778	0.181
33582.490397	0.490397	8.5687	10-Dec-91	11:46:10	0.0806	0.166
33582.490399	0.490399	8.5831	10-Dec-91	11:46:10	0.0835	0.152
33582.490405	0.490405	8.5975	10-Dec-91	11:46:11	0.0922	0.137
33582.490407	0.490407	8.6048	10-Dec-91	11:46:11	0.0950	0.130
33582.49041	0.49041	8.6192	10-Dec-91	11:46:11	0.0994	0.116
33582.490413	0.490413	8.6192	10-Dec-91	11:46:12	0.1037	0.116
33582.490416	0.490416	8.6264	10-Dec-91	11:46:12	0.1080	0.108
33582.490418	0.490418	8.6264	10-Dec-91	11:46:12	0.1109	0.108
33582.490421	0.490421	8.6336	10-Dec-91	11:46:12	0.1152	0.101
33582.490426	0.490426	8.6408	10-Dec-91	11:46:13	0.1224	0.094
33582.490428	0.490428	8.6408	10-Dec-91	11:46:13	0.1253	0.094
33582.490431	0.490431	8.6481	10-Dec-91	11:46:13	0.1296	0.087
33582.490434	0.490434	8.6481	10-Dec-91	11:46:13	0.1339	0.087
33582.490436	0.490436	8.6481	10-Dec-91	11:46:14	0.1368	0.087
33582.490439	0.490439	8.6553	10-Dec-91	11:46:14	0.1411	0.079
33582.490442	0.490442	8.6553	10-Dec-91	11:46:14	0.1454	0.079
33582.490447	0.490447	8.6553	10-Dec-91	11:46:15	0.1526	0.079
33582.490449	0.490449	8.6553	10-Dec-91	11:46:15	0.1555	0.079
33582.490451	0.490451	8.6553	10-Dec-91	11:46:15	0.1584	0.079
33582.490455	0.490455	8.6625	10-Dec-91	11:46:15	0.1642	0.072
33582.490457	0.490457	8.6625	10-Dec-91	11:46:15	0.1670	0.072
33582.490461	0.490461	8.6625	10-Dec-91	11:46:16	0.1728	0.072
33582.490463	0.490463	8.6697	10-Dec-91	11:46:16	0.1757	0.065
33582.490468	0.490468	8.6697	10-Dec-91	11:46:16	0.1829	0.065
33582.49047	0.49047	8.6697	10-Dec-91	11:46:17	0.1858	0.065
33582.490473	0.490473	8.6697	10-Dec-91	11:46:17	0.1901	0.065
33582.490476	0.490476	8.6697	10-Dec-91	11:46:17	0.1944	0.065
33582.490478	0.490478	8.6769	10-Dec-91	11:46:17	0.1973	0.058
33582.490481	0.490481	8.6769	10-Dec-91	11:46:18	0.2016	0.058

33582.490484	0.490484	8.6769	10-Dec-91	11:46:18	0.2059	0.058
33582.490488	0.490488	8.6769	10-Dec-91	11:46:18	0.2117	0.058
33582.490491	0.490491	8.6769	10-Dec-91	11:46:18	0.2160	0.058
33582.490494	0.490494	8.6769	10-Dec-91	11:46:19	0.2203	0.058
33582.490497	0.490497	8.6769	10-Dec-91	11:46:19	0.2246	0.058
33582.490499	0.490499	8.6842	10-Dec-91	11:46:19	0.2275	0.050
33582.490502	0.490502	8.6842	10-Dec-91	11:46:19	0.2318	0.050
33582.490505	0.490505	8.6842	10-Dec-91	11:46:20	0.2362	0.050
33582.490509	0.490509	8.6842	10-Dec-91	11:46:20	0.2419	0.050
33582.490513	0.490513	8.6842	10-Dec-91	11:46:20	0.2477	0.050
33582.490515	0.490515	8.6842	10-Dec-91	11:46:20	0.2506	0.050
33582.490517	0.490517	8.6842	10-Dec-91	11:46:21	0.2534	0.050
33582.490521	0.490521	8.6842	10-Dec-91	11:46:21	0.2592	0.050
33582.490523	0.490523	8.6842	10-Dec-91	11:46:21	0.2621	0.050
33582.490525	0.490525	8.6842	10-Dec-91	11:46:21	0.2650	0.050
33582.49053	0.49053	8.6914	10-Dec-91	11:46:22	0.2722	0.043
33582.490534	0.490534	8.6842	10-Dec-91	11:46:22	0.2779	0.050
33582.490536	0.490536	8.6914	10-Dec-91	11:46:22	0.2808	0.043
33582.490538	0.490538	8.6914	10-Dec-91	11:46:22	0.2837	0.043
33582.490542	0.490542	8.6914	10-Dec-91	11:46:23	0.2894	0.043
33582.490544	0.490544	8.6914	10-Dec-91	11:46:23	0.2923	0.043
33582.490546	0.490546	8.6914	10-Dec-91	11:46:23	0.2952	0.043
33582.490551	0.490551	8.6914	10-Dec-91	11:46:24	0.3024	0.043
33582.490554	0.490554	8.6914	10-Dec-91	11:46:24	0.3067	0.043
33582.490557	0.490557	8.6914	10-Dec-91	11:46:24	0.3110	0.043
33582.490559	0.490559	8.6986	10-Dec-91	11:46:24	0.3139	0.036
33582.490563	0.490563	8.6914	10-Dec-91	11:46:25	0.3197	0.043
33582.490565	0.490565	8.6914	10-Dec-91	11:46:25	0.3226	0.043
33582.490568	0.490568	8.6914	10-Dec-91	11:46:25	0.3269	0.043
33582.490573	0.490573	8.6914	10-Dec-91	11:46:26	0.3341	0.043
33582.490575	0.490575	8.6914	10-Dec-91	11:46:26	0.3370	0.043
33582.490578	0.490578	8.6914	10-Dec-91	11:46:26	0.3413	0.043
33582.490581	0.490581	8.6914	10-Dec-91	11:46:26	0.3456	0.043
33582.490583	0.490583	8.6914	10-Dec-91	11:46:26	0.3485	0.043
33582.490586	0.490586	8.6914	10-Dec-91	11:46:27	0.3528	0.043
33582.490589	0.490589	8.6914	10-Dec-91	11:46:27	0.3571	0.043
33582.490594	0.490594	8.6914	10-Dec-91	11:46:27	0.3643	0.043
33582.490596	0.490596	8.6914	10-Dec-91	11:46:27	0.3672	0.043
33582.490598	0.490598	8.6914	10-Dec-91	11:46:28	0.3701	0.043
33582.490602	0.490602	8.6914	10-Dec-91	11:46:28	0.3758	0.043
33582.490604	0.490604	8.6986	10-Dec-91	11:46:28	0.3787	0.036
33582.490606	0.490606	8.6986	10-Dec-91	11:46:28	0.3816	0.036
33582.49061	0.49061	8.6986	10-Dec-91	11:46:29	0.3874	0.036
33582.490615	0.490615	8.6986	10-Dec-91	11:46:29	0.3946	0.036
33582.490617	0.490617	8.6986	10-Dec-91	11:46:29	0.3974	0.036
33582.490619	0.490619	8.6986	10-Dec-91	11:46:29	0.4003	0.036
33582.490623	0.490623	8.6986	10-Dec-91	11:46:30	0.4061	0.036

33582.490625	0.490625	8.6914	10-Dec-91	11:46:30	0.4090	0.043
33582.490628	0.490628	8.6986	10-Dec-91	11:46:30	0.4133	0.036
33582.490631	0.490631	8.6986	10-Dec-91	11:46:31	0.4176	0.036
33582.490635	0.490635	8.6986	10-Dec-91	11:46:31	0.4234	0.036
33582.490638	0.490638	8.6986	10-Dec-91	11:46:31	0.4277	0.036
33582.490641	0.490641	8.6986	10-Dec-91	11:46:31	0.4320	0.036
33582.490644	0.490644	8.6986	10-Dec-91	11:46:32	0.4363	0.036
33582.490646	0.490646	8.6986	10-Dec-91	11:46:32	0.4392	0.036
33582.490649	0.490649	8.6986	10-Dec-91	11:46:32	0.4435	0.036
33582.490652	0.490652	8.6986	10-Dec-91	11:46:32	0.4478	0.036
33582.490656	0.490656	8.6986	10-Dec-91	11:46:33	0.4536	0.036
33582.490659	0.490659	8.6986	10-Dec-91	11:46:33	0.4579	0.036
33582.490662	0.490662	8.6986	10-Dec-91	11:46:33	0.4622	0.036
33582.490664	0.490664	8.6986	10-Dec-91	11:46:33	0.4651	0.036
33582.490667	0.490667	8.6986	10-Dec-91	11:46:34	0.4694	0.036
33582.49067	0.49067	8.6986	10-Dec-91	11:46:34	0.4738	0.036
33582.490672	0.490672	8.6986	10-Dec-91	11:46:34	0.4766	0.036
33582.490677	0.490677	8.6986	10-Dec-91	11:46:34	0.4838	0.036
33582.490679	0.490679	8.6986	10-Dec-91	11:46:35	0.4867	0.036
33582.490683	0.490683	8.6986	10-Dec-91	11:46:35	0.4925	0.036
33582.490685	0.490685	8.6986	10-Dec-91	11:46:35	0.4954	0.036
33582.490689	0.490689	8.6986	10-Dec-91	11:46:36	0.5011	0.036
33582.490691	0.490691	8.6986	10-Dec-91	11:46:36	0.5040	0.036
33582.490693	0.490693	8.6986	10-Dec-91	11:46:36	0.5069	0.036
33582.490698	0.490698	8.6986	10-Dec-91	11:46:36	0.5141	0.036
33582.490701	0.490701	8.6986	10-Dec-91	11:46:37	0.5184	0.036
33582.490704	0.490704	8.6986	10-Dec-91	11:46:37	0.5227	0.036
33582.490706	0.490706	8.6986	10-Dec-91	11:46:37	0.5256	0.036
33582.490709	0.490709	8.7058	10-Dec-91	11:46:37	0.5299	0.029
33582.490712	0.490712	8.6986	10-Dec-91	11:46:38	0.5342	0.036
33582.490714	0.490714	8.6986	10-Dec-91	11:46:38	0.5371	0.036
33582.490719	0.490719	8.7058	10-Dec-91	11:46:38	0.5443	0.029
33582.490722	0.490722	8.6986	10-Dec-91	11:46:38	0.5486	0.036
33582.490725	0.490725	8.7058	10-Dec-91	11:46:39	0.5530	0.029
33582.490727	0.490727	8.6986	10-Dec-91	11:46:39	0.5558	0.036
33582.49073	0.49073	8.6986	10-Dec-91	11:46:39	0.5602	0.036
33582.490733	0.490733	8.6986	10-Dec-91	11:46:39	0.5645	0.036
33582.490735	0.490735	8.7058	10-Dec-91	11:46:40	0.5674	0.029
33582.490741	0.490741	8.7058	10-Dec-91	11:46:40	0.5760	0.029
33582.490743	0.490743	8.7058	10-Dec-91	11:46:40	0.5789	0.029
33582.490745	0.490745	8.6986	10-Dec-91	11:46:40	0.5818	0.036
33582.490749	0.490749	8.7058	10-Dec-91	11:46:41	0.5875	0.029
33582.490751	0.490751	8.6986	10-Dec-91	11:46:41	0.5904	0.036
33582.490753	0.490753	8.6986	10-Dec-91	11:46:41	0.5933	0.036
33582.490757	0.490757	8.7058	10-Dec-91	11:46:41	0.5990	0.029
33582.490762	0.490762	8.7058	10-Dec-91	11:46:42	0.6062	0.029
33582.490764	0.490764	8.7058	10-Dec-91	11:46:42	0.6091	0.029

33582.490766	0.490766	8.6986	10-Dec-91	11:46:42	0.6120	0.036
33582.49077	0.49077	8.7058	10-Dec-91	11:46:43	0.6178	0.029
33582.490772	0.490772	8.6986	10-Dec-91	11:46:43	0.6206	0.036
33582.490774	0.490774	8.7058	10-Dec-91	11:46:43	0.6235	0.029
33582.490778	0.490778	8.7058	10-Dec-91	11:46:43	0.6293	0.029
33582.490782	0.490782	8.7058	10-Dec-91	11:46:44	0.6350	0.029
33582.490785	0.490785	8.7058	10-Dec-91	11:46:44	0.6394	0.029
33582.490787	0.490787	8.7058	10-Dec-91	11:46:44	0.6422	0.029
33582.490791	0.490791	8.7058	10-Dec-91	11:46:44	0.6480	0.029
33582.490793	0.490793	8.7058	10-Dec-91	11:46:45	0.6509	0.029
33582.490796	0.490796	8.7058	10-Dec-91	11:46:45	0.6552	0.029
33582.490799	0.490799	8.7058	10-Dec-91	11:46:45	0.6595	0.029
33582.490803	0.490803	8.7058	10-Dec-91	11:46:45	0.6653	0.029
33582.490806	0.490806	8.7058	10-Dec-91	11:46:46	0.6696	0.029
33582.490809	0.490809	8.6986	10-Dec-91	11:46:46	0.6739	0.036
33582.490811	0.490811	8.6986	10-Dec-91	11:46:46	0.6768	0.036
33582.490814	0.490814	8.7058	10-Dec-91	11:46:46	0.6811	0.029
33582.490817	0.490817	8.7058	10-Dec-91	11:46:47	0.6854	0.029
33582.490819	0.490819	8.7058	10-Dec-91	11:46:47	0.6883	0.029
33582.490824	0.490824	8.7058	10-Dec-91	11:46:47	0.6955	0.029
33582.490826	0.490826	8.7058	10-Dec-91	11:46:47	0.6984	0.029
33582.49083	0.49083	8.6986	10-Dec-91	11:46:48	0.7042	0.036
33582.490832	0.490832	8.7058	10-Dec-91	11:46:48	0.7070	0.029
33582.490834	0.490834	8.7058	10-Dec-91	11:46:48	0.7099	0.029
33582.490838	0.490838	8.7058	10-Dec-91	11:46:48	0.7157	0.029
33582.49084	0.49084	8.7058	10-Dec-91	11:46:49	0.7186	0.029
33582.490845	0.490845	8.7058	10-Dec-91	11:46:49	0.7258	0.029
33582.490847	0.490847	8.7058	10-Dec-91	11:46:49	0.7286	0.029
33582.490851	0.490851	8.7058	10-Dec-91	11:46:50	0.7344	0.029
33582.490853	0.490853	8.7058	10-Dec-91	11:46:50	0.7373	0.029
33582.490856	0.490856	8.7058	10-Dec-91	11:46:50	0.7416	0.029
33582.490859	0.490859	8.7058	10-Dec-91	11:46:50	0.7459	0.029
33582.490861	0.490861	8.7058	10-Dec-91	11:46:50	0.7488	0.029
33582.490866	0.490866	8.7058	10-Dec-91	11:46:51	0.7560	0.029
33582.490869	0.490869	8.7058	10-Dec-91	11:46:51	0.7603	0.029
33582.490872	0.490872	8.7058	10-Dec-91	11:46:51	0.7646	0.029
33582.490874	0.490874	8.7058	10-Dec-91	11:46:52	0.7675	0.029
33582.490877	0.490877	8.7058	10-Dec-91	11:46:52	0.7718	0.029
33582.49088	0.49088	8.7058	10-Dec-91	11:46:52	0.7762	0.029
33582.490882	0.490882	8.7058	10-Dec-91	11:46:52	0.7790	0.029
33582.490887	0.490887	8.7058	10-Dec-91	11:46:53	0.7862	0.029
33582.49089	0.49089	8.7058	10-Dec-91	11:46:53	0.7906	0.029
33582.490892	0.490892	8.7058	10-Dec-91	11:46:53	0.7934	0.029
33582.490895	0.490895	8.7058	10-Dec-91	11:46:53	0.7978	0.029
33582.490898	0.490898	8.7058	10-Dec-91	11:46:54	0.8021	0.029
33582.4909	0.4909	8.7058	10-Dec-91	11:46:54	0.8050	0.029
33582.490903	0.490903	8.7058	10-Dec-91	11:46:54	0.8093	0.029

33582.490909	0.490909	8.7058	10-Dec-91	11:46:55	0.8179	0.029
33582.490911	0.490911	8.7058	10-Dec-91	11:46:55	0.8208	0.029
33582.490913	0.490913	8.7058	10-Dec-91	11:46:55	0.8237	0.029
33582.490917	0.490917	8.7058	10-Dec-91	11:46:55	0.8294	0.029
33582.490919	0.490919	8.7058	10-Dec-91	11:46:55	0.8323	0.029
33582.490921	0.490921	8.7058	10-Dec-91	11:46:56	0.8352	0.029
33582.490925	0.490925	8.7058	10-Dec-91	11:46:56	0.8410	0.029
33582.490929	0.490929	8.7058	10-Dec-91	11:46:56	0.8467	0.029
33582.490932	0.490932	8.7058	10-Dec-91	11:46:57	0.8510	0.029
33582.490934	0.490934	8.7058	10-Dec-91	11:46:57	0.8539	0.029
33582.490938	0.490938	8.7058	10-Dec-91	11:46:57	0.8597	0.029
33582.49094	0.49094	8.7058	10-Dec-91	11:46:57	0.8626	0.029
33582.490942	0.490942	8.7058	10-Dec-91	11:46:57	0.8654	0.029
33582.490946	0.490946	8.7058	10-Dec-91	11:46:58	0.8712	0.029
33582.49095	0.49095	8.7058	10-Dec-91	11:46:58	0.8770	0.029
33582.490953	0.490953	8.7058	10-Dec-91	11:46:58	0.8813	0.029
33582.490955	0.490955	8.7058	10-Dec-91	11:46:59	0.8842	0.029
33582.490958	0.490958	8.7058	10-Dec-91	11:46:59	0.8885	0.029
33582.490961	0.490961	8.7058	10-Dec-91	11:46:59	0.8928	0.029
33582.490964	0.490964	8.713	10-Dec-91	11:46:59	0.8971	0.022
33582.490966	0.490966	8.7058	10-Dec-91	11:46:59	0.9000	0.029
33582.490971	0.490971	8.7058	10-Dec-91	11:47:00	0.9072	0.029
33582.490973	0.490973	8.7058	10-Dec-91	11:47:00	0.9101	0.029
33582.490977	0.490977	8.7058	10-Dec-91	11:47:00	0.9158	0.029
33582.490979	0.490979	8.7058	10-Dec-91	11:47:01	0.9187	0.029
33582.490981	0.490981	8.7058	10-Dec-91	11:47:01	0.9216	0.029
33582.490985	0.490985	8.7058	10-Dec-91	11:47:01	0.9274	0.029
33582.490987	0.490987	8.713	10-Dec-91	11:47:01	0.9302	0.022
33582.490992	0.490992	8.7058	10-Dec-91	11:47:02	0.9374	0.029
33582.490994	0.490994	8.7058	10-Dec-91	11:47:02	0.9403	0.029
33582.490998	0.490998	8.7058	10-Dec-91	11:47:02	0.9461	0.029
33582.491	0.491	8.7058	10-Dec-91	11:47:02	0.9490	0.029
33582.491002	0.491002	8.7058	10-Dec-91	11:47:03	0.9518	0.029
33582.491006	0.491006	8.7058	10-Dec-91	11:47:03	0.9576	0.029
33582.491008	0.491008	8.7058	10-Dec-91	11:47:03	0.9605	0.029
33582.491013	0.491013	8.7058	10-Dec-91	11:47:04	0.9677	0.029
33582.491015	0.491015	8.713	10-Dec-91	11:47:04	0.9706	0.022
33582.491019	0.491019	8.7058	10-Dec-91	11:47:04	0.9763	0.029
33582.491021	0.491021	8.7058	10-Dec-91	11:47:04	0.9792	0.029
33582.491024	0.491024	8.7058	10-Dec-91	11:47:04	0.9835	0.029
33582.491027	0.491027	8.7058	10-Dec-91	11:47:05	0.9878	0.029
33582.491029	0.491029	8.713	10-Dec-91	11:47:05	0.9907	0.022
33582.491034	0.491034	8.7058	10-Dec-91	11:47:05	0.9979	0.029
33582.491037	0.491037	8.7058	10-Dec-91	11:47:06	1.0022	0.029
33582.491039	0.491039	8.713	10-Dec-91	11:47:06	1.0051	0.022
33582.491042	0.491042	8.7058	10-Dec-91	11:47:06	1.0094	0.029
33582.491045	0.491045	8.7058	10-Dec-91	11:47:06	1.0138	0.029

33582.491047	0.491047	8.7058	10-Dec-91	11:47:06	1.0166	0.029
33582.49105	0.49105	8.7058	10-Dec-91	11:47:07	1.0210	0.029
33582.491054	0.491054	8.7058	10-Dec-91	11:47:07	1.0267	0.029
33582.491058	0.491058	8.7058	10-Dec-91	11:47:07	1.0325	0.029
33582.49106	0.49106	8.7058	10-Dec-91	11:47:08	1.0354	0.029
33582.491063	0.491063	8.7058	10-Dec-91	11:47:08	1.0397	0.029
33582.491066	0.491066	8.7058	10-Dec-91	11:47:08	1.0440	0.029
33582.491068	0.491068	8.7058	10-Dec-91	11:47:08	1.0469	0.029
33582.491071	0.491071	8.713	10-Dec-91	11:47:09	1.0512	0.022
33582.491076	0.491076	8.7058	10-Dec-91	11:47:09	1.0584	0.029
33582.491079	0.491079	8.7058	10-Dec-91	11:47:09	1.0627	0.029
33582.491081	0.491081	8.7058	10-Dec-91	11:47:09	1.0656	0.029
33582.491084	0.491084	8.7058	10-Dec-91	11:47:10	1.0699	0.029
33582.491087	0.491087	8.713	10-Dec-91	11:47:10	1.0742	0.022
33582.491089	0.491089	8.7058	10-Dec-91	11:47:10	1.0771	0.029
33582.491093	0.491093	8.713	10-Dec-91	11:47:10	1.0829	0.022
33582.491097	0.491097	8.7058	10-Dec-91	11:47:11	1.0886	0.029
33582.4911	0.4911	8.7058	10-Dec-91	11:47:11	1.0930	0.029
33582.491102	0.491102	8.7058	10-Dec-91	11:47:11	1.0958	0.029
33582.491105	0.491105	8.713	10-Dec-91	11:47:11	1.1002	0.022
33582.491108	0.491108	8.7058	10-Dec-91	11:47:12	1.1045	0.029
33582.49111	0.49111	8.7058	10-Dec-91	11:47:12	1.1074	0.029
33582.491113	0.491113	8.713	10-Dec-91	11:47:12	1.1117	0.022
33582.491118	0.491118	8.7058	10-Dec-91	11:47:13	1.1189	0.029
33582.49112	0.49112	8.7058	10-Dec-91	11:47:13	1.1218	0.029
33582.491123	0.491123	8.7058	10-Dec-91	11:47:13	1.1261	0.029
33582.491126	0.491126	8.713	10-Dec-91	11:47:13	1.1304	0.022
33582.491128	0.491128	8.7058	10-Dec-91	11:47:13	1.1333	0.029
33582.491132	0.491132	8.713	10-Dec-91	11:47:14	1.1390	0.022
33582.491134	0.491134	8.7058	10-Dec-91	11:47:14	1.1419	0.029
33582.491139	0.491139	8.7058	10-Dec-91	11:47:14	1.1491	0.029
33582.491141	0.491141	8.7058	10-Dec-91	11:47:15	1.1520	0.029
33582.491145	0.491145	8.713	10-Dec-91	11:47:15	1.1578	0.022
33582.491147	0.491147	8.7058	10-Dec-91	11:47:15	1.1606	0.029
33582.491149	0.491149	8.7058	10-Dec-91	11:47:15	1.1635	0.029
33582.491153	0.491153	8.713	10-Dec-91	11:47:16	1.1693	0.022
33582.491155	0.491155	8.713	10-Dec-91	11:47:16	1.1722	0.022
33582.49116	0.49116	8.7058	10-Dec-91	11:47:16	1.1794	0.029
33582.491162	0.491162	8.7058	10-Dec-91	11:47:16	1.1822	0.029
33582.491166	0.491166	8.7058	10-Dec-91	11:47:17	1.1880	0.029
33582.491168	0.491168	8.7058	10-Dec-91	11:47:17	1.1909	0.029
33582.49117	0.49117	8.713	10-Dec-91	11:47:17	1.1938	0.022
33582.491174	0.491174	8.7058	10-Dec-91	11:47:17	1.1995	0.029
33582.491176	0.491176	8.713	10-Dec-91	11:47:18	1.2024	0.022
33582.491181	0.491181	8.7058	10-Dec-91	11:47:18	1.2096	0.029
33582.491184	0.491184	8.7058	10-Dec-91	11:47:18	1.2139	0.029
33582.491186	0.491186	8.7058	10-Dec-91	11:47:18	1.2168	0.029

33582.491189	0.491189	8.713	10-Dec-91	11:47:19	1.2211	0.022
33582.491192	0.491192	8.713	10-Dec-91	11:47:19	1.2254	0.022
33582.491194	0.491194	8.7058	10-Dec-91	11:47:19	1.2283	0.029
33582.491197	0.491197	8.713	10-Dec-91	11:47:19	1.2326	0.022
33582.491201	0.491201	8.7058	10-Dec-91	11:47:20	1.2384	0.029
33582.491205	0.491205	8.7058	10-Dec-91	11:47:20	1.2442	0.029
33582.491207	0.491207	8.7058	10-Dec-91	11:47:20	1.2470	0.029
33582.491209	0.491209	8.7058	10-Dec-91	11:47:20	1.2499	0.029
33582.491213	0.491213	8.7058	10-Dec-91	11:47:21	1.2557	0.029
33582.491215	0.491215	8.713	10-Dec-91	11:47:21	1.2586	0.022
33582.491218	0.491218	8.7058	10-Dec-91	11:47:21	1.2629	0.029
33582.491222	0.491222	8.7058	10-Dec-91	11:47:22	1.2686	0.029
33582.491226	0.491226	8.7058	10-Dec-91	11:47:22	1.2744	0.029
33582.491228	0.491228	8.713	10-Dec-91	11:47:22	1.2773	0.022
33582.49123	0.49123	8.7058	10-Dec-91	11:47:22	1.2802	0.029
33582.491234	0.491234	8.7058	10-Dec-91	11:47:23	1.2859	0.029
33582.491236	0.491236	8.7058	10-Dec-91	11:47:23	1.2888	0.029
33582.49124	0.49124	8.713	10-Dec-91	11:47:23	1.2946	0.022
33582.491244	0.491244	8.7058	10-Dec-91	11:47:23	1.3003	0.029
33582.491247	0.491247	8.7058	10-Dec-91	11:47:24	1.3046	0.029
33582.491249	0.491249	8.7058	10-Dec-91	11:47:24	1.3075	0.029
33582.491252	0.491252	8.7058	10-Dec-91	11:47:24	1.3118	0.029
33582.491255	0.491255	8.713	10-Dec-91	11:47:24	1.3162	0.022
33582.491257	0.491257	8.7058	10-Dec-91	11:47:25	1.3190	0.029
33582.49126	0.49126	8.7058	10-Dec-91	11:47:25	1.3234	0.029
33582.491265	0.491265	8.7058	10-Dec-91	11:47:25	1.3306	0.029
33582.491267	0.491267	8.713	10-Dec-91	11:47:25	1.3334	0.022
33582.49127	0.49127	8.713	10-Dec-91	11:47:26	1.3378	0.022
33582.491273	0.491273	8.713	10-Dec-91	11:47:26	1.3421	0.022
33582.491275	0.491275	8.7058	10-Dec-91	11:47:26	1.3450	0.029
33582.491278	0.491278	8.713	10-Dec-91	11:47:26	1.3493	0.022
33582.491281	0.491281	8.713	10-Dec-91	11:47:27	1.3536	0.022
33582.491286	0.491286	8.713	10-Dec-91	11:47:27	1.3608	0.022
33582.491288	0.491288	8.7058	10-Dec-91	11:47:27	1.3637	0.029
33582.491291	0.491291	8.7058	10-Dec-91	11:47:28	1.3680	0.029
33582.491294	0.491294	8.7058	10-Dec-91	11:47:28	1.3723	0.029
33582.491296	0.491296	8.7058	10-Dec-91	11:47:28	1.3752	0.029
33582.4913	0.4913	8.7058	10-Dec-91	11:47:28	1.3810	0.029
33582.491302	0.491302	8.7058	10-Dec-91	11:47:28	1.3838	0.029
33582.491307	0.491307	8.713	10-Dec-91	11:47:29	1.3910	0.022
33582.491309	0.491309	8.7058	10-Dec-91	11:47:29	1.3939	0.029
33582.491312	0.491312	8.7058	10-Dec-91	11:47:29	1.3982	0.029
33582.491315	0.491315	8.7058	10-Dec-91	11:47:30	1.4026	0.029
33582.491317	0.491317	8.713	10-Dec-91	11:47:30	1.4054	0.022
33582.491321	0.491321	8.713	10-Dec-91	11:47:30	1.4112	0.022
33582.491323	0.491323	8.713	10-Dec-91	11:47:30	1.4141	0.022
33582.491328	0.491328	8.7058	10-Dec-91	11:47:31	1.4213	0.029

33582.49133	0.49133	8.713	10-Dec-91	11:47:31	1.4242	0.022
33582.491333	0.491333	8.713	10-Dec-91	11:47:31	1.4285	0.022
33582.491336	0.491336	8.7058	10-Dec-91	11:47:31	1.4328	0.029
33582.491338	0.491338	8.7058	10-Dec-91	11:47:32	1.4357	0.029
33582.491341	0.491341	8.713	10-Dec-91	11:47:32	1.4400	0.022
33582.491344	0.491344	8.7058	10-Dec-91	11:47:32	1.4443	0.029
33582.491348	0.491348	8.713	10-Dec-91	11:47:32	1.4501	0.022
33582.491352	0.491352	8.713	10-Dec-91	11:47:33	1.4558	0.022
33582.491354	0.491354	8.713	10-Dec-91	11:47:33	1.4587	0.022
33582.491356	0.491356	8.7058	10-Dec-91	11:47:33	1.4616	0.029
33582.49136	0.49136	8.713	10-Dec-91	11:47:34	1.4674	0.022
33582.491362	0.491362	8.7058	10-Dec-91	11:47:34	1.4702	0.029
33582.491365	0.491365	8.7058	10-Dec-91	11:47:34	1.4746	0.029
33582.491369	0.491369	8.7058	10-Dec-91	11:47:34	1.4803	0.029
33582.491373	0.491373	8.7058	10-Dec-91	11:47:35	1.4861	0.029
33582.491375	0.491375	8.713	10-Dec-91	11:47:35	1.4890	0.022
33582.491377	0.491377	8.7058	10-Dec-91	11:47:35	1.4918	0.029
33582.491381	0.491381	8.713	10-Dec-91	11:47:35	1.4976	0.022
33582.491383	0.491383	8.7058	10-Dec-91	11:47:35	1.5005	0.029
33582.491385	0.491385	8.7058	10-Dec-91	11:47:36	1.5034	0.029
33582.49139	0.49139	8.713	10-Dec-91	11:47:36	1.5106	0.022
33582.491394	0.491394	8.7058	10-Dec-91	11:47:36	1.5163	0.029
33582.491396	0.491396	8.713	10-Dec-91	11:47:37	1.5192	0.022
33582.491398	0.491398	8.7058	10-Dec-91	11:47:37	1.5221	0.029
33582.491402	0.491402	8.7058	10-Dec-91	11:47:37	1.5278	0.029
33582.491404	0.491404	8.7058	10-Dec-91	11:47:37	1.5307	0.029
33582.491407	0.491407	8.713	10-Dec-91	11:47:38	1.5350	0.022
33582.491412	0.491412	8.713	10-Dec-91	11:47:38	1.5422	0.022
33582.491414	0.491414	8.713	10-Dec-91	11:47:38	1.5451	0.022
33582.491417	0.491417	8.713	10-Dec-91	11:47:38	1.5494	0.022
33582.49142	0.49142	8.713	10-Dec-91	11:47:39	1.5538	0.022
33582.491422	0.491422	8.713	10-Dec-91	11:47:39	1.5566	0.022
33582.491425	0.491425	8.713	10-Dec-91	11:47:39	1.5610	0.022
33582.491428	0.491428	8.713	10-Dec-91	11:47:39	1.5653	0.022
33582.491433	0.491433	8.713	10-Dec-91	11:47:40	1.5725	0.022
33582.491435	0.491435	8.7058	10-Dec-91	11:47:40	1.5754	0.029
33582.491437	0.491437	8.713	10-Dec-91	11:47:40	1.5782	0.022
33582.491441	0.491441	8.7058	10-Dec-91	11:47:41	1.5840	0.029
33582.491443	0.491443	8.7058	10-Dec-91	11:47:41	1.5869	0.029
33582.491446	0.491446	8.7058	10-Dec-91	11:47:41	1.5912	0.029
33582.491449	0.491449	8.7058	10-Dec-91	11:47:41	1.5955	0.029
33582.491454	0.491454	8.7058	10-Dec-91	11:47:42	1.6027	0.029
33582.491456	0.491456	8.7058	10-Dec-91	11:47:42	1.6056	0.029
33582.491458	0.491458	8.7058	10-Dec-91	11:47:42	1.6085	0.029
33582.491462	0.491462	8.7058	10-Dec-91	11:47:42	1.6142	0.029
33582.491464	0.491464	8.7058	10-Dec-91	11:47:42	1.6171	0.029
33582.491468	0.491468	8.7058	10-Dec-91	11:47:43	1.6229	0.029

33582.49147	0.49147	8.7058	10-Dec-91	11:47:43	1.6258	0.029
33582.491475	0.491475	8.713	10-Dec-91	11:47:43	1.6330	0.022
33582.491477	0.491477	8.713	10-Dec-91	11:47:44	1.6358	0.022
33582.49148	0.49148	8.713	10-Dec-91	11:47:44	1.6402	0.022
33582.491483	0.491483	8.713	10-Dec-91	11:47:44	1.6445	0.022
33582.491485	0.491485	8.7058	10-Dec-91	11:47:44	1.6474	0.029
33582.491488	0.491488	8.7058	10-Dec-91	11:47:45	1.6517	0.029
33582.491491	0.491491	8.7058	10-Dec-91	11:47:45	1.6560	0.029
33582.491495	0.491495	8.713	10-Dec-91	11:47:45	1.6618	0.022
33582.491498	0.491498	8.713	10-Dec-91	11:47:45	1.6661	0.022
33582.491501	0.491501	8.7058	10-Dec-91	11:47:46	1.6704	0.029
33582.491503	0.491503	8.7058	10-Dec-91	11:47:46	1.6733	0.029
33582.491506	0.491506	8.713	10-Dec-91	11:47:46	1.6776	0.022
33582.491509	0.491509	8.7058	10-Dec-91	11:47:46	1.6819	0.029
33582.491512	0.491512	8.7058	10-Dec-91	11:47:47	1.6862	0.029
33582.491516	0.491516	8.713	10-Dec-91	11:47:47	1.6920	0.022
33582.49152	0.49152	8.713	10-Dec-91	11:47:47	1.6978	0.022
33582.491522	0.491522	8.713	10-Dec-91	11:47:48	1.7006	0.022
33582.491524	0.491524	8.7058	10-Dec-91	11:47:48	1.7035	0.029
33582.491528	0.491528	8.713	10-Dec-91	11:47:48	1.7093	0.022
33582.49153	0.49153	8.7058	10-Dec-91	11:47:48	1.7122	0.029
33582.491532	0.491532	8.713	10-Dec-91	11:47:48	1.7150	0.022
33582.491537	0.491537	8.7058	10-Dec-91	11:47:49	1.7222	0.029
33582.491541	0.491541	8.713	10-Dec-91	11:47:49	1.7280	0.022
33582.491543	0.491543	8.7058	10-Dec-91	11:47:49	1.7309	0.029
33582.491545	0.491545	8.713	10-Dec-91	11:47:49	1.7338	0.022
33582.491549	0.491549	8.713	10-Dec-91	11:47:50	1.7395	0.022
33582.491551	0.491551	8.7058	10-Dec-91	11:47:50	1.7424	0.029
33582.491553	0.491553	8.713	10-Dec-91	11:47:50	1.7453	0.022
33582.491558	0.491558	8.7058	10-Dec-91	11:47:51	1.7525	0.029
33582.491561	0.491561	8.7058	10-Dec-91	11:47:51	1.7568	0.029
33582.491564	0.491564	8.713	10-Dec-91	11:47:51	1.7611	0.022
33582.491566	0.491566	8.713	10-Dec-91	11:47:51	1.7640	0.022
33582.491569	0.491569	8.7058	10-Dec-91	11:47:52	1.7683	0.029
33582.491572	0.491572	8.713	10-Dec-91	11:47:52	1.7726	0.022
33582.491575	0.491575	8.713	10-Dec-91	11:47:52	1.7770	0.022
33582.49158	0.49158	8.7058	10-Dec-91	11:47:53	1.7842	0.029
33582.491582	0.491582	8.713	10-Dec-91	11:47:53	1.7870	0.022
33582.491584	0.491584	8.7058	10-Dec-91	11:47:53	1.7899	0.029
33582.491588	0.491588	8.713	10-Dec-91	11:47:53	1.7957	0.022
33582.49159	0.49159	8.713	10-Dec-91	11:47:53	1.7986	0.022
33582.491593	0.491593	8.713	10-Dec-91	11:47:54	1.8029	0.022
33582.491596	0.491596	8.713	10-Dec-91	11:47:54	1.8072	0.022
33582.491601	0.491601	8.713	10-Dec-91	11:47:54	1.8144	0.022
33582.491603	0.491603	8.7058	10-Dec-91	11:47:54	1.8173	0.029
33582.491605	0.491605	8.713	10-Dec-91	11:47:55	1.8202	0.022
33582.491609	0.491609	8.713	10-Dec-91	11:47:55	1.8259	0.022

33582.491611	0.491611	8.7058	10-Dec-91	11:47:55	1.8288	0.029
33582.491613	0.491613	8.713	10-Dec-91	11:47:55	1.8317	0.022
33582.491617	0.491617	8.713	10-Dec-91	11:47:56	1.8374	0.022
33582.491622	0.491622	8.7058	10-Dec-91	11:47:56	1.8446	0.029
33582.491624	0.491624	8.7058	10-Dec-91	11:47:56	1.8475	0.029
33582.491626	0.491626	8.713	10-Dec-91	11:47:56	1.8504	0.022
33582.49163	0.49163	8.713	10-Dec-91	11:47:57	1.8562	0.022
33582.491632	0.491632	8.7058	10-Dec-91	11:47:57	1.8590	0.029
33582.491635	0.491635	8.713	10-Dec-91	11:47:57	1.8634	0.022
33582.491638	0.491638	8.713	10-Dec-91	11:47:58	1.8677	0.022
33582.491642	0.491642	8.713	10-Dec-91	11:47:58	1.8734	0.022
33582.491645	0.491645	8.7058	10-Dec-91	11:47:58	1.8778	0.029
33582.491648	0.491648	8.713	10-Dec-91	11:47:58	1.8821	0.022
33582.49165	0.49165	8.7058	10-Dec-91	11:47:59	1.8850	0.029
33582.491653	0.491653	8.7058	10-Dec-91	11:47:59	1.8893	0.029
33582.491656	0.491656	8.7058	10-Dec-91	11:47:59	1.8936	0.029
33582.491659	0.491659	8.713	10-Dec-91	11:47:59	1.8979	0.022
33582.491663	0.491663	8.7058	10-Dec-91	11:48:00	1.9037	0.029
33582.491666	0.491666	8.713	10-Dec-91	11:48:00	1.9080	0.022
33582.491669	0.491669	8.713	10-Dec-91	11:48:00	1.9123	0.022
33582.491671	0.491671	8.713	10-Dec-91	11:48:00	1.9152	0.022
33582.491674	0.491674	8.7058	10-Dec-91	11:48:01	1.9195	0.029
33582.491677	0.491677	8.713	10-Dec-91	11:48:01	1.9238	0.022
33582.491679	0.491679	8.7058	10-Dec-91	11:48:01	1.9267	0.029
33582.491684	0.491684	8.713	10-Dec-91	11:48:01	1.9339	0.022
33582.491687	0.491687	8.7058	10-Dec-91	11:48:02	1.9382	0.029
33582.49169	0.49169	8.713	10-Dec-91	11:48:02	1.9426	0.022
33582.491692	0.491692	8.713	10-Dec-91	11:48:02	1.9454	0.022
33582.491696	0.491696	8.713	10-Dec-91	11:48:03	1.9512	0.022
33582.491698	0.491698	8.713	10-Dec-91	11:48:03	1.9541	0.022
33582.4917	0.4917	8.7058	10-Dec-91	11:48:03	1.9570	0.029
33582.491705	0.491705	8.713	10-Dec-91	11:48:03	1.9642	0.022
33582.491708	0.491708	8.713	10-Dec-91	11:48:04	1.9685	0.022
33582.491711	0.491711	8.713	10-Dec-91	11:48:04	1.9728	0.022
33582.491713	0.491713	8.713	10-Dec-91	11:48:04	1.9757	0.022
33582.491716	0.491716	8.7058	10-Dec-91	11:48:04	1.9800	0.029
33582.491719	0.491719	8.713	10-Dec-91	11:48:05	1.9843	0.022
33582.491721	0.491721	8.713	10-Dec-91	11:48:05	1.9872	0.022
33582.491726	0.491726	8.7058	10-Dec-91	11:48:05	1.9944	0.029
33582.491729	0.491729	8.713	10-Dec-91	11:48:05	1.9987	0.022
33582.491731	0.491731	8.713	10-Dec-91	11:48:06	2.0016	0.022
33582.491734	0.491734	8.713	10-Dec-91	11:48:06	2.0059	0.022
33582.491737	0.491737	8.7058	10-Dec-91	11:48:06	2.0102	0.029
33582.49174	0.49174	8.7058	10-Dec-91	11:48:06	2.0146	0.029
33582.491743	0.491743	8.713	10-Dec-91	11:48:07	2.0189	0.022
33582.491748	0.491748	8.713	10-Dec-91	11:48:07	2.0261	0.022
33582.49175	0.49175	8.713	10-Dec-91	11:48:07	2.0290	0.022

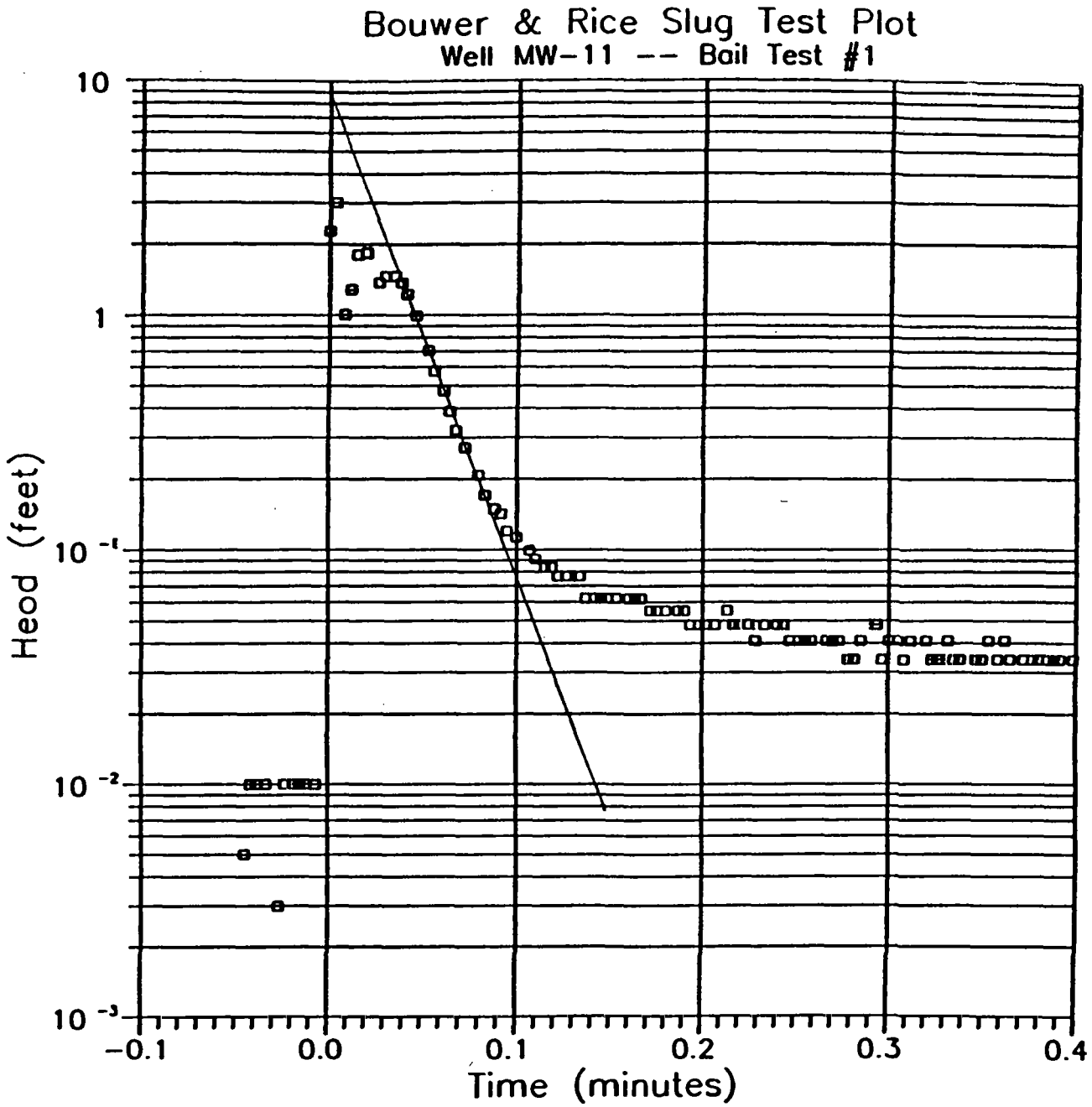
33582.491752	0.491752	8.713	10-Dec-91	11:48:07	2.0318	0.022
33582.491756	0.491756	8.7058	10-Dec-91	11:48:08	2.0376	0.029
33582.491758	0.491758	8.713	10-Dec-91	11:48:08	2.0405	0.022
33582.49176	0.49176	8.713	10-Dec-91	11:48:08	2.0434	0.022
33582.491764	0.491764	8.713	10-Dec-91	11:48:08	2.0491	0.022
33582.491769	0.491769	8.713	10-Dec-91	11:48:09	2.0563	0.022
33582.491771	0.491771	8.713	10-Dec-91	11:48:09	2.0592	0.022
33582.491773	0.491773	8.713	10-Dec-91	11:48:09	2.0621	0.022
33582.491777	0.491777	8.713	10-Dec-91	11:48:10	2.0678	0.022
33582.491779	0.491779	8.713	10-Dec-91	11:48:10	2.0707	0.022
33582.491781	0.491781	8.7058	10-Dec-91	11:48:10	2.0736	0.029
33582.491785	0.491785	8.7058	10-Dec-91	11:48:10	2.0794	0.029
33582.491789	0.491789	8.713	10-Dec-91	11:48:11	2.0851	0.022
33582.491792	0.491792	8.7058	10-Dec-91	11:48:11	2.0894	0.029
33582.491794	0.491794	8.713	10-Dec-91	11:48:11	2.0923	0.022
33582.491797	0.491797	8.713	10-Dec-91	11:48:11	2.0966	0.022
33582.4918	0.4918	8.7058	10-Dec-91	11:48:12	2.1010	0.029
33582.491803	0.491803	8.713	10-Dec-91	11:48:12	2.1053	0.022
33582.491806	0.491806	8.7058	10-Dec-91	11:48:12	2.1096	0.029
33582.49181	0.49181	8.7058	10-Dec-91	11:48:12	2.1154	0.029
33582.491812	0.491812	8.713	10-Dec-91	11:48:13	2.1182	0.022
33582.491816	0.491816	8.7058	10-Dec-91	11:48:13	2.1240	0.029
33582.491818	0.491818	8.7058	10-Dec-91	11:48:13	2.1269	0.029
33582.491821	0.491821	8.713	10-Dec-91	11:48:13	2.1312	0.022
33582.491824	0.491824	8.7058	10-Dec-91	11:48:14	2.1355	0.029
33582.491826	0.491826	8.7058	10-Dec-91	11:48:14	2.1384	0.029
33582.491831	0.491831	8.713	10-Dec-91	11:48:14	2.1456	0.022
33582.491833	0.491833	8.713	10-Dec-91	11:48:14	2.1485	0.022
33582.491837	0.491837	8.713	10-Dec-91	11:48:15	2.1542	0.022
33582.491839	0.491839	8.713	10-Dec-91	11:48:15	2.1571	0.022
33582.491841	0.491841	8.7058	10-Dec-91	11:48:15	2.1600	0.029
33582.491845	0.491845	8.713	10-Dec-91	11:48:15	2.1658	0.022
33582.491847	0.491847	8.713	10-Dec-91	11:48:16	2.1686	0.022
33582.491852	0.491852	8.713	10-Dec-91	11:48:16	2.1758	0.022
33582.491855	0.491855	8.713	10-Dec-91	11:48:16	2.1802	0.022
33582.491858	0.491858	8.713	10-Dec-91	11:48:17	2.1845	0.022
33582.49186	0.49186	8.7058	10-Dec-91	11:48:17	2.1874	0.029
33582.491863	0.491863	8.713	10-Dec-91	11:48:17	2.1917	0.022
33582.491866	0.491866	8.7058	10-Dec-91	11:48:17	2.1960	0.029
33582.491868	0.491868	8.7058	10-Dec-91	11:48:17	2.1989	0.029
33582.491873	0.491873	8.7058	10-Dec-91	11:48:18	2.2061	0.029
33582.491876	0.491876	8.713	10-Dec-91	11:48:18	2.2104	0.022
33582.491878	0.491878	8.7058	10-Dec-91	11:48:18	2.2133	0.029
33582.491881	0.491881	8.713	10-Dec-91	11:48:19	2.2176	0.022
33582.491884	0.491884	8.7058	10-Dec-91	11:48:19	2.2219	0.029
33582.491887	0.491887	8.713	10-Dec-91	11:48:19	2.2262	0.022
33582.491889	0.491889	8.713	10-Dec-91	11:48:19	2.2291	0.022

33582.491894	0.491894	8.7058	10-Dec-91	11:48:20	2.2363	0.029
33582.491897	0.491897	8.713	10-Dec-91	11:48:20	2.2406	0.022
33582.491899	0.491899	8.713	10-Dec-91	11:48:20	2.2435	0.022
33582.491902	0.491902	8.7058	10-Dec-91	11:48:20	2.2478	0.029
33582.491905	0.491905	8.7058	10-Dec-91	11:48:21	2.2522	0.029
33582.491907	0.491907	8.713	10-Dec-91	11:48:21	2.2550	0.022
33582.491911	0.491911	8.713	10-Dec-91	11:48:21	2.2608	0.022
33582.491916	0.491916	8.713	10-Dec-91	11:48:22	2.2680	0.022
33582.491918	0.491918	8.7058	10-Dec-91	11:48:22	2.2709	0.029
33582.49192	0.49192	8.713	10-Dec-91	11:48:22	2.2738	0.022
33582.491924	0.491924	8.713	10-Dec-91	11:48:22	2.2795	0.022
33582.491926	0.491926	8.713	10-Dec-91	11:48:22	2.2824	0.022
33582.491928	0.491928	8.713	10-Dec-91	11:48:23	2.2853	0.022
33582.491932	0.491932	8.713	10-Dec-91	11:48:23	2.2910	0.022
33582.491936	0.491936	8.7058	10-Dec-91	11:48:23	2.2968	0.029
33582.491939	0.491939	8.713	10-Dec-91	11:48:24	2.3011	0.022
33582.491941	0.491941	8.713	10-Dec-91	11:48:24	2.3040	0.022
33582.491944	0.491944	8.7058	10-Dec-91	11:48:24	2.3083	0.029
33582.491947	0.491947	8.7058	10-Dec-91	11:48:24	2.3126	0.029
33582.491949	0.491949	8.7203	10-Dec-91	11:48:24	2.3155	0.014
33582.491953	0.491953	8.7203	10-Dec-91	11:48:25	2.3213	0.014
33582.491957	0.491957	8.7203	10-Dec-91	11:48:25	2.3270	0.014
33582.491959	0.491959	8.7058	10-Dec-91	11:48:25	2.3299	0.029
33582.491963	0.491963	8.7058	10-Dec-91	11:48:26	2.3357	0.029
33582.491965	0.491965	8.7058	10-Dec-91	11:48:26	2.3386	0.029
33582.491968	0.491968	8.7058	10-Dec-91	11:48:26	2.3429	0.029
33582.491971	0.491971	8.7058	10-Dec-91	11:48:26	2.3472	0.029
33582.491973	0.491973	8.7058	10-Dec-91	11:48:26	2.3501	0.029
33582.491978	0.491978	8.7058	10-Dec-91	11:48:27	2.3573	0.029
33582.49198	0.49198	8.713	10-Dec-91	11:48:27	2.3602	0.022
33582.491984	0.491984	8.713	10-Dec-91	11:48:27	2.3659	0.022
33582.491986	0.491986	8.713	10-Dec-91	11:48:28	2.3688	0.022
33582.491988	0.491988	8.713	10-Dec-91	11:48:28	2.3717	0.022
33582.491992	0.491992	8.713	10-Dec-91	11:48:28	2.3774	0.022
33582.491994	0.491994	8.713	10-Dec-91	11:48:28	2.3803	0.022
33582.491999	0.491999	8.713	10-Dec-91	11:48:29	2.3875	0.022
33582.492001	0.492001	8.713	10-Dec-91	11:48:29	2.3904	0.022
33582.492005	0.492005	8.7058	10-Dec-91	11:48:29	2.3962	0.029
33582.492007	0.492007	8.713	10-Dec-91	11:48:29	2.3990	0.022
33582.492009	0.492009	8.7058	10-Dec-91	11:48:30	2.4019	0.029
33582.492013	0.492013	8.713	10-Dec-91	11:48:30	2.4077	0.022
33582.492015	0.492015	8.713	10-Dec-91	11:48:30	2.4106	0.022
33582.49202	0.49202	8.7058	10-Dec-91	11:48:31	2.4178	0.029
33582.492023	0.492023	8.713	10-Dec-91	11:48:31	2.4221	0.022
33582.492025	0.492025	8.7058	10-Dec-91	11:48:31	2.4250	0.029
33582.492028	0.492028	8.713	10-Dec-91	11:48:31	2.4293	0.022
33582.492031	0.492031	8.713	10-Dec-91	11:48:31	2.4336	0.022

33582.492034	0.492034	8.713	10-Dec-91	11:48:32	2.4379	0.022
33582.492036	0.492036	8.7058	10-Dec-91	11:48:32	2.4408	0.029
33582.492041	0.492041	8.713	10-Dec-91	11:48:32	2.4480	0.022
33582.492044	0.492044	8.713	10-Dec-91	11:48:33	2.4523	0.022
33582.492046	0.492046	8.7058	10-Dec-91	11:48:33	2.4552	0.029
33582.492049	0.492049	8.713	10-Dec-91	11:48:33	2.4595	0.022
33582.492052	0.492052	8.7058	10-Dec-91	11:48:33	2.4638	0.029
33582.492054	0.492054	8.7058	10-Dec-91	11:48:33	2.4667	0.029
33582.492057	0.492057	8.7058	10-Dec-91	11:48:34	2.4710	0.029
33582.492061	0.492061	8.713	10-Dec-91	11:48:34	2.4768	0.022
33582.492065	0.492065	8.713	10-Dec-91	11:48:34	2.4826	0.022
33582.492067	0.492067	8.713	10-Dec-91	11:48:35	2.4854	0.022
33582.492069	0.492069	8.713	10-Dec-91	11:48:35	2.4883	0.022
33582.492073	0.492073	8.7058	10-Dec-91	11:48:35	2.4941	0.029
33582.492075	0.492075	8.7058	10-Dec-91	11:48:35	2.4970	0.029
33582.492079	0.492079	8.7058	10-Dec-91	11:48:36	2.5027	0.029
33582.492083	0.492083	8.713	10-Dec-91	11:48:36	2.5085	0.022
33582.492086	0.492086	8.713	10-Dec-91	11:48:36	2.5128	0.022
33582.492088	0.492088	8.713	10-Dec-91	11:48:36	2.5157	0.022
33582.492091	0.492091	8.7203	10-Dec-91	11:48:37	2.5200	0.014
33582.492094	0.492094	8.7058	10-Dec-91	11:48:37	2.5243	0.029
33582.492096	0.492096	8.713	10-Dec-91	11:48:37	2.5272	0.022
33582.4921	0.4921	8.7058	10-Dec-91	11:48:37	2.5330	0.029
33582.492104	0.492104	8.713	10-Dec-91	11:48:38	2.5387	0.022
33582.492106	0.492106	8.713	10-Dec-91	11:48:38	2.5416	0.022
33582.492109	0.492109	8.713	10-Dec-91	11:48:38	2.5459	0.022
33582.492112	0.492112	8.7058	10-Dec-91	11:48:38	2.5502	0.029
33582.492115	0.492115	8.713	10-Dec-91	11:48:39	2.5546	0.022
33582.492117	0.492117	8.713	10-Dec-91	11:48:39	2.5574	0.022
33582.49212	0.49212	8.7058	10-Dec-91	11:48:39	2.5618	0.029
33582.492125	0.492125	8.713	10-Dec-91	11:48:40	2.5690	0.022
33582.492127	0.492127	8.713	10-Dec-91	11:48:40	2.5718	0.022
33582.492131	0.492131	8.713	10-Dec-91	11:48:40	2.5776	0.022
33582.492133	0.492133	8.713	10-Dec-91	11:48:40	2.5805	0.022
33582.492135	0.492135	8.713	10-Dec-91	11:48:40	2.5834	0.022
33582.492139	0.492139	8.713	10-Dec-91	11:48:41	2.5891	0.022
33582.492141	0.492141	8.713	10-Dec-91	11:48:41	2.5920	0.022
33582.492146	0.492146	8.713	10-Dec-91	11:48:41	2.5992	0.022
33582.492148	0.492148	8.713	10-Dec-91	11:48:42	2.6021	0.022
33582.492152	0.492152	8.713	10-Dec-91	11:48:42	2.6078	0.022
33582.492154	0.492154	8.7203	10-Dec-91	11:48:42	2.6107	0.014
33582.492156	0.492156	8.7058	10-Dec-91	11:48:42	2.6136	0.029
33582.49216	0.49216	8.713	10-Dec-91	11:48:43	2.6194	0.022
33582.492162	0.492162	8.713	10-Dec-91	11:48:43	2.6222	0.022
33582.492167	0.492167	8.713	10-Dec-91	11:48:43	2.6294	0.022
33582.492169	0.492169	8.713	10-Dec-91	11:48:43	2.6323	0.022
33582.492172	0.492172	8.713	10-Dec-91	11:48:44	2.6366	0.022

33582.492175	0.492175	8.713	10-Dec-91	11:48:44	2.6410	0.022
33582.492177	0.492177	8.713	10-Dec-91	11:48:44	2.6438	0.022
33582.492181	0.492181	8.713	10-Dec-91	11:48:44	2.6496	0.022
33582.492183	0.492183	8.713	10-Dec-91	11:48:45	2.6525	0.022
33582.492188	0.492188	8.713	10-Dec-91	11:48:45	2.6597	0.022
33582.492191	0.492191	8.713	10-Dec-91	11:48:45	2.6640	0.022
33582.492193	0.492193	8.713	10-Dec-91	11:48:45	2.6669	0.022
33582.492196	0.492196	8.713	10-Dec-91	11:48:46	2.6712	0.022
33582.492199	0.492199	8.713	10-Dec-91	11:48:46	2.6755	0.022
33582.492201	0.492201	8.713	10-Dec-91	11:48:46	2.6784	0.022
33582.492204	0.492204	8.713	10-Dec-91	11:48:46	2.6827	0.022
33582.492208	0.492208	8.713	10-Dec-91	11:48:47	2.6885	0.022
33582.492212	0.492212	8.7058	10-Dec-91	11:48:47	2.6942	0.029
33582.492214	0.492214	8.7058	10-Dec-91	11:48:47	2.6971	0.029
33582.492216	0.492216	8.7058	10-Dec-91	11:48:47	2.7000	0.029
33582.49222	0.49222	8.713	10-Dec-91	11:48:48	2.7058	0.022
33582.492222	0.492222	8.7058	10-Dec-91	11:48:48	2.7086	0.029
33582.492225	0.492225	8.713	10-Dec-91	11:48:48	2.7130	0.022
33582.492229	0.492229	8.713	10-Dec-91	11:48:49	2.7187	0.022
33582.492233	0.492233	8.7058	10-Dec-91	11:48:49	2.7245	0.029
33582.492235	0.492235	8.713	10-Dec-91	11:48:49	2.7274	0.022
33582.492238	0.492238	8.713	10-Dec-91	11:48:49	2.7317	0.022
33582.492241	0.492241	8.713	10-Dec-91	11:48:50	2.7360	0.022
33582.492243	0.492243	8.713	10-Dec-91	11:48:50	2.7389	0.022
33582.492247	0.492247	8.713	10-Dec-91	11:48:50	2.7446	0.022
33582.492251	0.492251	8.713	10-Dec-91	11:48:50	2.7504	0.022
33582.492253	0.492253	8.7058	10-Dec-91	11:48:51	2.7533	0.029
33582.492256	0.492256	8.713	10-Dec-91	11:48:51	2.7576	0.022
33582.492259	0.492259	8.713	10-Dec-91	11:48:51	2.7619	0.022
33582.492262	0.492262	8.713	10-Dec-91	11:48:51	2.7662	0.022
33582.492264	0.492264	8.713	10-Dec-91	11:48:52	2.7691	0.022
33582.492267	0.492267	8.713	10-Dec-91	11:48:52	2.7734	0.022
33582.492272	0.492272	8.7058	10-Dec-91	11:48:52	2.7806	0.029
33582.492274	0.492274	8.713	10-Dec-91	11:48:52	2.7835	0.022
33582.492277	0.492277	8.713	10-Dec-91	11:48:53	2.7878	0.022
33582.49228	0.49228	8.713	10-Dec-91	11:48:53	2.7922	0.022
33582.492282	0.492282	8.713	10-Dec-91	11:48:53	2.7950	0.022
33582.492285	0.492285	8.7058	10-Dec-91	11:48:53	2.7994	0.029
33582.492288	0.492288	8.713	10-Dec-91	11:48:54	2.8037	0.022
33582.492293	0.492293	8.7058	10-Dec-91	11:48:54	2.8109	0.029
33582.492295	0.492295	8.713	10-Dec-91	11:48:54	2.8138	0.022
33582.492299	0.492299	8.7203	10-Dec-91	11:48:55	2.8195	0.014
33582.492301	0.492301	8.713	10-Dec-91	11:48:55	2.8224	0.022
33582.492303	0.492303	8.713	10-Dec-91	11:48:55	2.8253	0.022
33582.492307	0.492307	8.713	10-Dec-91	11:48:55	2.8310	0.022
33582.492309	0.492309	8.713	10-Dec-91	11:48:55	2.8339	0.022
33582.492314	0.492314	8.7058	10-Dec-91	11:48:56	2.8411	0.029

33582.492316	0.492316	8.713	10-Dec-91	11:48:56	2.8440	0.022
33582.492319	0.492319	8.713	10-Dec-91	11:48:56	2.8483	0.022
33582.492322	0.492322	8.713	10-Dec-91	11:48:57	2.8526	0.022
33582.492324	0.492324	8.713	10-Dec-91	11:48:57	2.8555	0.022
33582.492328	0.492328	8.713	10-Dec-91	11:48:57	2.8613	0.022
33582.49233	0.49233	8.713	10-Dec-91	11:48:57	2.8642	0.022
33582.492334	0.492334	8.713	10-Dec-91	11:48:58	2.8699	0.022
33582.492337	0.492337	8.713	10-Dec-91	11:48:58	2.8742	0.022
33582.49234	0.49234	8.713	10-Dec-91	11:48:58	2.8786	0.022
33582.492343	0.492343	8.713	10-Dec-91	11:48:58	2.8829	0.022
33582.492346	0.492346	8.713	10-Dec-91	11:48:59	2.8872	0.022
33582.492348	0.492348	8.7058	10-Dec-91	11:48:59	2.8901	0.029
33582.492351	0.492351	8.713	10-Dec-91	11:48:59	2.8944	0.022
33582.492355	0.492355	8.713	10-Dec-91	11:48:59	2.9002	0.022
33582.492359	0.492359	8.713	10-Dec-91	11:49:00	2.9059	0.022
33582.492361	0.492361	8.713	10-Dec-91	11:49:00	2.9088	0.022
33582.492363	0.492363	8.713	10-Dec-91	11:49:00	2.9117	0.022
33582.492367	0.492367	8.713	10-Dec-91	11:49:01	2.9174	0.022
33582.492369	0.492369	8.713	10-Dec-91	11:49:01	2.9203	0.022
33582.492372	0.492372	8.713	10-Dec-91	11:49:01	2.9246	0.022
33582.492376	0.492376	8.713	10-Dec-91	11:49:01	2.9304	0.022
33582.49238	0.49238	8.713	10-Dec-91	11:49:02	2.9362	0.022
33582.492382	0.492382	8.713	10-Dec-91	11:49:02	2.9390	0.022
33582.492384	0.492384	8.713	10-Dec-91	11:49:02	2.9419	0.022
33582.492388	0.492388	8.713	10-Dec-91	11:49:02	2.9477	0.022
33582.49239	0.49239	8.713	10-Dec-91	11:49:02	2.9506	0.022
33582.492392	0.492392	8.713	10-Dec-91	11:49:03	2.9534	0.022
33582.492397	0.492397	8.713	10-Dec-91	11:49:03	2.9606	0.022
33582.4924	0.4924	8.713	10-Dec-91	11:49:03	2.9650	0.022
33582.492403	0.492403	8.7058	10-Dec-91	11:49:04	2.9693	0.029
33582.492406	0.492406	8.7058	10-Dec-91	11:49:04	2.9736	0.029
33582.492409	0.492409	8.713	10-Dec-91	11:49:04	2.9779	0.022
33582.492411	0.492411	8.713	10-Dec-91	11:49:04	2.9808	0.022
33582.492414	0.492414	8.713	10-Dec-91	11:49:05	2.9851	0.022
33582.492419	0.492419	8.713	10-Dec-91	11:49:05	2.9923	0.022
33582.492421	0.492421	8.7058	10-Dec-91	11:49:05	2.9952	0.029
33582.492424	0.492424	8.7058	10-Dec-91	11:49:05	2.9995	0.029
33582.492427	0.492427	8.7058	10-Dec-91	11:49:06	3.0038	0.029


Bouwer & Rice Slug Test Plot
Well MW-11 -- Bail Test #1
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-11s

Initial DTW (bgs) @ time < 0:	21.8	(feet)
Depth to top of sandpack:	15.9	(feet)
Depth to top of screen:	16.4	(feet)
H = Initial head @ time < 0:	13.29	(feet)
H(0)= Maximum head (@ t ~ 0):	3.02	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	15.6	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	15.6	(feet)
Length watertable to bottom of sandpack:	15.6	(feet)
b = Aquifer saturated thickness:	19.2	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	14:37:33
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	13.29

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.609383	0.609383	13.275	16-Apr-91	14:37:31	-0.0446	0.015	
33344.609385	0.609385	13.29	16-Apr-91	14:37:31	-0.0418	0.000	
33344.609388	0.609388	13.29	16-Apr-91	14:37:31	-0.0374	0.000	
33344.609391	0.609391	13.29	16-Apr-91	14:37:31	-0.0331	0.000	
33344.609396	0.609396	13.283	16-Apr-91	14:37:32	-0.0259	0.007	
33344.609398	0.609398	13.29	16-Apr-91	14:37:32	-0.0230	0.000	
33344.609402	0.609402	13.29	16-Apr-91	14:37:32	-0.0173	0.000	
33344.609404	0.609404	13.29	16-Apr-91	14:37:33	-0.0144	0.000	
33344.609406	0.609406	13.29	16-Apr-91	14:37:33	-0.0115	0.000	
33344.60941	0.60941	13.29	16-Apr-91	14:37:33	-0.0058	0.000	
33344.609414	0.609414	11.009	16-Apr-91	14:37:33	0.0000	2.281	Start bail test
33344.609417	0.609417	10.265	16-Apr-91	14:37:34	0.0043	3.025	
33344.60942	0.60942	12.279	16-Apr-91	14:37:34	0.0086	1.011	
33344.609422	0.609422	11.998	16-Apr-91	14:37:34	0.0115	1.292	
33344.609425	0.609425	11.478	16-Apr-91	14:37:34	0.0158	1.812	
33344.609428	0.609428	11.442	16-Apr-91	14:37:35	0.0202	1.848	
33344.609433	0.609433	11.911	16-Apr-91	14:37:35	0.0274	1.379	
33344.609435	0.609435	11.824	16-Apr-91	14:37:35	0.0302	1.466	
33344.609439	0.609439	11.817	16-Apr-91	14:37:36	0.0360	1.473	

33344.609441	0.609441	11.911	16-Apr-91	14:37:36	0.0389	1.379
33344.609443	0.609443	12.055	16-Apr-91	14:37:36	0.0418	1.235
33344.609447	0.609447	12.286	16-Apr-91	14:37:36	0.0475	1.004
33344.609451	0.609451	12.575	16-Apr-91	14:37:37	0.0533	0.715
33344.609454	0.609454	12.705	16-Apr-91	14:37:37	0.0576	0.585
33344.609457	0.609457	12.806	16-Apr-91	14:37:37	0.0619	0.484
33344.609459	0.609459	12.893	16-Apr-91	14:37:37	0.0648	0.397
33344.609462	0.609462	12.958	16-Apr-91	14:37:38	0.0691	0.332
33344.609465	0.609465	13.008	16-Apr-91	14:37:38	0.0734	0.282
33344.60947	0.60947	13.073	16-Apr-91	14:37:38	0.0806	0.217
33344.609472	0.609472	13.109	16-Apr-91	14:37:38	0.0835	0.181
33344.609476	0.609476	13.131	16-Apr-91	14:37:39	0.0893	0.159
33344.609478	0.609478	13.138	16-Apr-91	14:37:39	0.0922	0.152
33344.60948	0.60948	13.16	16-Apr-91	14:37:39	0.0950	0.130
33344.609484	0.609484	13.167	16-Apr-91	14:37:39	0.1008	0.123
33344.609488	0.609488	13.181	16-Apr-91	14:37:40	0.1066	0.109
33344.609491	0.609491	13.189	16-Apr-91	14:37:40	0.1109	0.101
33344.609494	0.609494	13.196	16-Apr-91	14:37:40	0.1152	0.094
33344.609497	0.609497	13.196	16-Apr-91	14:37:41	0.1195	0.094
33344.609499	0.609499	13.203	16-Apr-91	14:37:41	0.1224	0.087
33344.609502	0.609502	13.203	16-Apr-91	14:37:41	0.1267	0.087
33344.609507	0.609507	13.203	16-Apr-91	14:37:41	0.1339	0.087
33344.609509	0.609509	13.218	16-Apr-91	14:37:42	0.1368	0.072
33344.609513	0.609513	13.218	16-Apr-91	14:37:42	0.1426	0.072
33344.609515	0.609515	13.218	16-Apr-91	14:37:42	0.1454	0.072
33344.609517	0.609517	13.218	16-Apr-91	14:37:42	0.1483	0.072
33344.609521	0.609521	13.218	16-Apr-91	14:37:43	0.1541	0.072
33344.609525	0.609525	13.218	16-Apr-91	14:37:43	0.1598	0.072
33344.609528	0.609528	13.218	16-Apr-91	14:37:43	0.1642	0.072
33344.60953	0.60953	13.218	16-Apr-91	14:37:43	0.1670	0.072
33344.609534	0.609534	13.225	16-Apr-91	14:37:44	0.1728	0.065
33344.609536	0.609536	13.225	16-Apr-91	14:37:44	0.1757	0.065
33344.609539	0.609539	13.225	16-Apr-91	14:37:44	0.1800	0.065
33344.609544	0.609544	13.225	16-Apr-91	14:37:45	0.1872	0.065
33344.609546	0.609546	13.225	16-Apr-91	14:37:45	0.1901	0.065
33344.609549	0.609549	13.232	16-Apr-91	14:37:45	0.1944	0.058
33344.609552	0.609552	13.232	16-Apr-91	14:37:45	0.1987	0.058
33344.609554	0.609554	13.232	16-Apr-91	14:37:45	0.2016	0.058
33344.609558	0.609558	13.232	16-Apr-91	14:37:46	0.2074	0.058
33344.609562	0.609562	13.225	16-Apr-91	14:37:46	0.2131	0.065
33344.609565	0.609565	13.232	16-Apr-91	14:37:46	0.2174	0.058
33344.609567	0.609567	13.232	16-Apr-91	14:37:47	0.2203	0.058
33344.609571	0.609571	13.232	16-Apr-91	14:37:47	0.2261	0.058
33344.609573	0.609573	13.239	16-Apr-91	14:37:47	0.2290	0.051
33344.609576	0.609576	13.232	16-Apr-91	14:37:47	0.2333	0.058
33344.609581	0.609581	13.232	16-Apr-91	14:37:48	0.2405	0.058
33344.609583	0.609583	13.232	16-Apr-91	14:37:48	0.2434	0.058

33344.609586	0.609586	13.239	16-Apr-91	14:37:48	0.2477	0.051
33344.609589	0.609589	13.239	16-Apr-91	14:37:48	0.2520	0.051
33344.609591	0.609591	13.239	16-Apr-91	14:37:49	0.2549	0.051
33344.609594	0.609594	13.239	16-Apr-91	14:37:49	0.2592	0.051
33344.6096	0.6096	13.239	16-Apr-91	14:37:49	0.2678	0.051
33344.609602	0.609602	13.239	16-Apr-91	14:37:50	0.2707	0.051
33344.609604	0.609604	13.239	16-Apr-91	14:37:50	0.2736	0.051
33344.609608	0.609608	13.246	16-Apr-91	14:37:50	0.2794	0.044
33344.60961	0.60961	13.246	16-Apr-91	14:37:50	0.2822	0.044
33344.609612	0.609612	13.239	16-Apr-91	14:37:50	0.2851	0.051
33344.609618	0.609618	13.232	16-Apr-91	14:37:51	0.2938	0.058
33344.60962	0.60962	13.246	16-Apr-91	14:37:51	0.2966	0.044
33344.609623	0.609623	13.239	16-Apr-91	14:37:51	0.3010	0.051
33344.609626	0.609626	13.239	16-Apr-91	14:37:52	0.3053	0.051
33344.609628	0.609628	13.246	16-Apr-91	14:37:52	0.3082	0.044
33344.609631	0.609631	13.239	16-Apr-91	14:37:52	0.3125	0.051
33344.609637	0.609637	13.239	16-Apr-91	14:37:53	0.3211	0.051
33344.609639	0.609639	13.246	16-Apr-91	14:37:53	0.3240	0.044
33344.609641	0.609641	13.246	16-Apr-91	14:37:53	0.3269	0.044
33344.609645	0.609645	13.239	16-Apr-91	14:37:53	0.3326	0.051
33344.609647	0.609647	13.246	16-Apr-91	14:37:54	0.3355	0.044
33344.609649	0.609649	13.246	16-Apr-91	14:37:54	0.3384	0.044
33344.609655	0.609655	13.246	16-Apr-91	14:37:54	0.3470	0.044
33344.609657	0.609657	13.246	16-Apr-91	14:37:54	0.3499	0.044
33344.60966	0.60966	13.239	16-Apr-91	14:37:55	0.3542	0.051
33344.609663	0.609663	13.246	16-Apr-91	14:37:55	0.3586	0.044
33344.609666	0.609666	13.239	16-Apr-91	14:37:55	0.3629	0.051
33344.609668	0.609668	13.246	16-Apr-91	14:37:55	0.3658	0.044
33344.609672	0.609672	13.246	16-Apr-91	14:37:56	0.3715	0.044
33344.609676	0.609676	13.246	16-Apr-91	14:37:56	0.3773	0.044
33344.609678	0.609678	13.246	16-Apr-91	14:37:56	0.3802	0.044
33344.609682	0.609682	13.246	16-Apr-91	14:37:57	0.3859	0.044
33344.609684	0.609684	13.246	16-Apr-91	14:37:57	0.3888	0.044
33344.609686	0.609686	13.246	16-Apr-91	14:37:57	0.3917	0.044
33344.609691	0.609691	13.246	16-Apr-91	14:37:57	0.3989	0.044
33344.609694	0.609694	13.246	16-Apr-91	14:37:58	0.4032	0.044
33344.609697	0.609697	13.246	16-Apr-91	14:37:58	0.4075	0.044
33344.6097	0.6097	13.246	16-Apr-91	14:37:58	0.4118	0.044
33344.609703	0.609703	13.246	16-Apr-91	14:37:58	0.4162	0.044
33344.609705	0.609705	13.246	16-Apr-91	14:37:59	0.4190	0.044
33344.609709	0.609709	13.246	16-Apr-91	14:37:59	0.4248	0.044
33344.609713	0.609713	13.246	16-Apr-91	14:37:59	0.4306	0.044
33344.609715	0.609715	13.246	16-Apr-91	14:37:59	0.4334	0.044
33344.609719	0.609719	13.246	16-Apr-91	14:38:00	0.4392	0.044
33344.609721	0.609721	13.246	16-Apr-91	14:38:00	0.4421	0.044
33344.609723	0.609723	13.246	16-Apr-91	14:38:00	0.4450	0.044
33344.609728	0.609728	13.246	16-Apr-91	14:38:00	0.4522	0.044

33344.609731	0.609731	13.254	16-Apr-91	14:38:01	0.4565	0.036
33344.609734	0.609734	13.254	16-Apr-91	14:38:01	0.4608	0.036
33344.609737	0.609737	13.246	16-Apr-91	14:38:01	0.4651	0.044
33344.60974	0.60974	13.246	16-Apr-91	14:38:02	0.4694	0.044
33344.609742	0.609742	13.254	16-Apr-91	14:38:02	0.4723	0.036
33344.609747	0.609747	13.246	16-Apr-91	14:38:02	0.4795	0.044
33344.60975	0.60975	13.246	16-Apr-91	14:38:02	0.4838	0.044
33344.609752	0.609752	13.246	16-Apr-91	14:38:03	0.4867	0.044
33344.609755	0.609755	13.246	16-Apr-91	14:38:03	0.4910	0.044
33344.609758	0.609758	13.254	16-Apr-91	14:38:03	0.4954	0.036
33344.60976	0.60976	13.254	16-Apr-91	14:38:03	0.4982	0.036
33344.609765	0.609765	13.246	16-Apr-91	14:38:04	0.5054	0.044
33344.609769	0.609769	13.254	16-Apr-91	14:38:04	0.5112	0.036
33344.609771	0.609771	13.246	16-Apr-91	14:38:04	0.5141	0.044
33344.609773	0.609773	13.254	16-Apr-91	14:38:04	0.5170	0.036
33344.609777	0.609777	13.246	16-Apr-91	14:38:05	0.5227	0.044
33344.609779	0.609779	13.254	16-Apr-91	14:38:05	0.5256	0.036
33344.609784	0.609784	13.246	16-Apr-91	14:38:05	0.5328	0.044
33344.609787	0.609787	13.254	16-Apr-91	14:38:06	0.5371	0.036
33344.609789	0.609789	13.254	16-Apr-91	14:38:06	0.5400	0.036
33344.609792	0.609792	13.254	16-Apr-91	14:38:06	0.5443	0.036
33344.609795	0.609795	13.254	16-Apr-91	14:38:06	0.5486	0.036
33344.609797	0.609797	13.254	16-Apr-91	14:38:06	0.5515	0.036
33344.609802	0.609802	13.246	16-Apr-91	14:38:07	0.5587	0.044
33344.609806	0.609806	13.254	16-Apr-91	14:38:07	0.5645	0.036
33344.609808	0.609808	13.254	16-Apr-91	14:38:07	0.5674	0.036
33344.60981	0.60981	13.254	16-Apr-91	14:38:08	0.5702	0.036
33344.609814	0.609814	13.254	16-Apr-91	14:38:08	0.5760	0.036
33344.609816	0.609816	13.254	16-Apr-91	14:38:08	0.5789	0.036
33344.609821	0.609821	13.254	16-Apr-91	14:38:09	0.5861	0.036
33344.609824	0.609824	13.254	16-Apr-91	14:38:09	0.5904	0.036
33344.609826	0.609826	13.254	16-Apr-91	14:38:09	0.5933	0.036
33344.609829	0.609829	13.254	16-Apr-91	14:38:09	0.5976	0.036
33344.609832	0.609832	13.254	16-Apr-91	14:38:09	0.6019	0.036
33344.609834	0.609834	13.254	16-Apr-91	14:38:10	0.6048	0.036
33344.609839	0.609839	13.254	16-Apr-91	14:38:10	0.6120	0.036
33344.609843	0.609843	13.254	16-Apr-91	14:38:10	0.6178	0.036
33344.609845	0.609845	13.246	16-Apr-91	14:38:11	0.6206	0.044
33344.609847	0.609847	13.254	16-Apr-91	14:38:11	0.6235	0.036
33344.609851	0.609851	13.254	16-Apr-91	14:38:11	0.6293	0.036
33344.609853	0.609853	13.254	16-Apr-91	14:38:11	0.6322	0.036
33344.609858	0.609858	13.254	16-Apr-91	14:38:12	0.6394	0.036
33344.609861	0.609861	13.254	16-Apr-91	14:38:12	0.6437	0.036
33344.609863	0.609863	13.254	16-Apr-91	14:38:12	0.6466	0.036
33344.609866	0.609866	13.254	16-Apr-91	14:38:12	0.6509	0.036
33344.609869	0.609869	13.254	16-Apr-91	14:38:13	0.6552	0.036
33344.609872	0.609872	13.254	16-Apr-91	14:38:13	0.6595	0.036

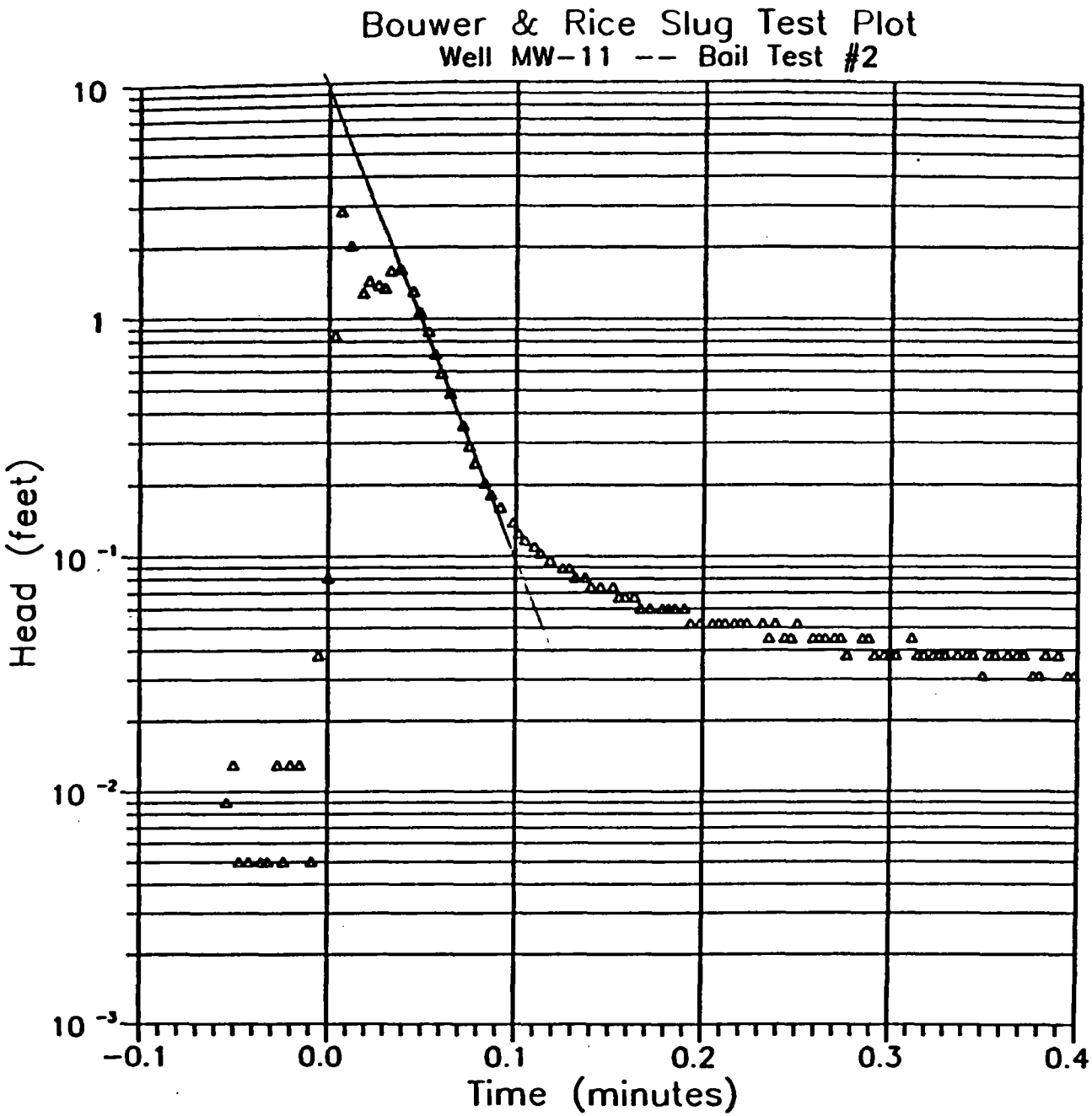
33344.609876	0.609876	13.254	16-Apr-91	14:38:13	0.6653	0.036
33344.60988	0.60988	13.254	16-Apr-91	14:38:14	0.6710	0.036
33344.609882	0.609882	13.254	16-Apr-91	14:38:14	0.6739	0.036
33344.609884	0.609884	13.254	16-Apr-91	14:38:14	0.6768	0.036
33344.609888	0.609888	13.254	16-Apr-91	14:38:14	0.6826	0.036
33344.60989	0.60989	13.254	16-Apr-91	14:38:14	0.6854	0.036
33344.609895	0.609895	13.254	16-Apr-91	14:38:15	0.6926	0.036
33344.609898	0.609898	13.254	16-Apr-91	14:38:15	0.6970	0.036
33344.6099	0.6099	13.254	16-Apr-91	14:38:15	0.6998	0.036
33344.609903	0.609903	13.254	16-Apr-91	14:38:16	0.7042	0.036
33344.609906	0.609906	13.254	16-Apr-91	14:38:16	0.7085	0.036
33344.609909	0.609909	13.254	16-Apr-91	14:38:16	0.7128	0.036
33344.609913	0.609913	13.254	16-Apr-91	14:38:16	0.7186	0.036
33344.609916	0.609916	13.254	16-Apr-91	14:38:17	0.7229	0.036
33344.609919	0.609919	13.254	16-Apr-91	14:38:17	0.7272	0.036
33344.609921	0.609921	13.254	16-Apr-91	14:38:17	0.7301	0.036
33344.609925	0.609925	13.254	16-Apr-91	14:38:18	0.7358	0.036
33344.609927	0.609927	13.254	16-Apr-91	14:38:18	0.7387	0.036
33344.609932	0.609932	13.254	16-Apr-91	14:38:18	0.7459	0.036
33344.609934	0.609934	13.254	16-Apr-91	14:38:18	0.7488	0.036
33344.609938	0.609938	13.254	16-Apr-91	14:38:19	0.7546	0.036
33344.60994	0.60994	13.254	16-Apr-91	14:38:19	0.7574	0.036
33344.609943	0.609943	13.254	16-Apr-91	14:38:19	0.7618	0.036
33344.609946	0.609946	13.254	16-Apr-91	14:38:19	0.7661	0.036
33344.60995	0.60995	13.254	16-Apr-91	14:38:20	0.7718	0.036
33344.609953	0.609953	13.254	16-Apr-91	14:38:20	0.7762	0.036
33344.609956	0.609956	13.254	16-Apr-91	14:38:20	0.7805	0.036
33344.609958	0.609958	13.254	16-Apr-91	14:38:20	0.7834	0.036
33344.609962	0.609962	13.254	16-Apr-91	14:38:21	0.7891	0.036
33344.609964	0.609964	13.254	16-Apr-91	14:38:21	0.7920	0.036
33344.609969	0.609969	13.254	16-Apr-91	14:38:21	0.7992	0.036
33344.609971	0.609971	13.254	16-Apr-91	14:38:21	0.8021	0.036
33344.609975	0.609975	13.254	16-Apr-91	14:38:22	0.8078	0.036
33344.609977	0.609977	13.254	16-Apr-91	14:38:22	0.8107	0.036
33344.60998	0.60998	13.254	16-Apr-91	14:38:22	0.8150	0.036
33344.609983	0.609983	13.254	16-Apr-91	14:38:23	0.8194	0.036
33344.609987	0.609987	13.254	16-Apr-91	14:38:23	0.8251	0.036
33344.60999	0.60999	13.254	16-Apr-91	14:38:23	0.8294	0.036
33344.609993	0.609993	13.254	16-Apr-91	14:38:23	0.8338	0.036
33344.609995	0.609995	13.254	16-Apr-91	14:38:24	0.8366	0.036
33344.609998	0.609998	13.254	16-Apr-91	14:38:24	0.8410	0.036
33344.610001	0.610001	13.254	16-Apr-91	14:38:24	0.8453	0.036
33344.610006	0.610006	13.246	16-Apr-91	14:38:25	0.8525	0.044
33344.610008	0.610008	13.254	16-Apr-91	14:38:25	0.8554	0.036
33344.610012	0.610012	13.254	16-Apr-91	14:38:25	0.8611	0.036
33344.610014	0.610014	13.254	16-Apr-91	14:38:25	0.8640	0.036
33344.610016	0.610016	13.254	16-Apr-91	14:38:25	0.8669	0.036

33344.61002	0.61002	13.254	16-Apr-91	14:38:26	0.8726	0.036
33344.610024	0.610024	13.254	16-Apr-91	14:38:26	0.8784	0.036
33344.610027	0.610027	13.254	16-Apr-91	14:38:26	0.8827	0.036
33344.61003	0.61003	13.254	16-Apr-91	14:38:27	0.8870	0.036
33344.610032	0.610032	13.254	16-Apr-91	14:38:27	0.8899	0.036
33344.610035	0.610035	13.254	16-Apr-91	14:38:27	0.8942	0.036
33344.610038	0.610038	13.254	16-Apr-91	14:38:27	0.8986	0.036
33344.610043	0.610043	13.254	16-Apr-91	14:38:28	0.9058	0.036
33344.610045	0.610045	13.254	16-Apr-91	14:38:28	0.9086	0.036
33344.610049	0.610049	13.261	16-Apr-91	14:38:28	0.9144	0.029
33344.610051	0.610051	13.254	16-Apr-91	14:38:28	0.9173	0.036
33344.610053	0.610053	13.254	16-Apr-91	14:38:29	0.9202	0.036
33344.610057	0.610057	13.254	16-Apr-91	14:38:29	0.9259	0.036
33344.610061	0.610061	13.254	16-Apr-91	14:38:29	0.9317	0.036
33344.610064	0.610064	13.254	16-Apr-91	14:38:30	0.9360	0.036
33344.610067	0.610067	13.254	16-Apr-91	14:38:30	0.9403	0.036
33344.610069	0.610069	13.254	16-Apr-91	14:38:30	0.9432	0.036
33344.610072	0.610072	13.254	16-Apr-91	14:38:30	0.9475	0.036
33344.610075	0.610075	13.254	16-Apr-91	14:38:30	0.9518	0.036
33344.61008	0.61008	13.254	16-Apr-91	14:38:31	0.9590	0.036
33344.610082	0.610082	13.254	16-Apr-91	14:38:31	0.9619	0.036
33344.610086	0.610086	13.254	16-Apr-91	14:38:31	0.9677	0.036
33344.610088	0.610088	13.261	16-Apr-91	14:38:32	0.9706	0.029
33344.61009	0.61009	13.261	16-Apr-91	14:38:32	0.9734	0.029
33344.610094	0.610094	13.254	16-Apr-91	14:38:32	0.9792	0.036
33344.610098	0.610098	13.254	16-Apr-91	14:38:32	0.9850	0.036
33344.610101	0.610101	13.254	16-Apr-91	14:38:33	0.9893	0.036
33344.610104	0.610104	13.254	16-Apr-91	14:38:33	0.9936	0.036
33344.610106	0.610106	13.254	16-Apr-91	14:38:33	0.9965	0.036
33344.610109	0.610109	13.254	16-Apr-91	14:38:33	1.0008	0.036
33344.610112	0.610112	13.254	16-Apr-91	14:38:34	1.0051	0.036
33344.610117	0.610117	13.254	16-Apr-91	14:38:34	1.0123	0.036
33344.610119	0.610119	13.254	16-Apr-91	14:38:34	1.0152	0.036
33344.610123	0.610123	13.254	16-Apr-91	14:38:35	1.0210	0.036
33344.610125	0.610125	13.254	16-Apr-91	14:38:35	1.0238	0.036
33344.610127	0.610127	13.261	16-Apr-91	14:38:35	1.0267	0.029
33344.610131	0.610131	13.254	16-Apr-91	14:38:35	1.0325	0.036
33344.610135	0.610135	13.254	16-Apr-91	14:38:36	1.0382	0.036
33344.610138	0.610138	13.261	16-Apr-91	14:38:36	1.0426	0.029
33344.610141	0.610141	13.261	16-Apr-91	14:38:36	1.0469	0.029
33344.610144	0.610144	13.254	16-Apr-91	14:38:36	1.0512	0.036
33344.610146	0.610146	13.261	16-Apr-91	14:38:37	1.0541	0.029
33344.610149	0.610149	13.254	16-Apr-91	14:38:37	1.0584	0.036
33344.610154	0.610154	13.254	16-Apr-91	14:38:37	1.0656	0.036
33344.610156	0.610156	13.254	16-Apr-91	14:38:37	1.0685	0.036
33344.610159	0.610159	13.254	16-Apr-91	14:38:38	1.0728	0.036
33344.610162	0.610162	13.254	16-Apr-91	14:38:38	1.0771	0.036

33344.610164	0.610164	13.261	16-Apr-91	14:38:38	1.0800	0.029
33344.610168	0.610168	13.261	16-Apr-91	14:38:39	1.0858	0.029
33344.610172	0.610172	13.254	16-Apr-91	14:38:39	1.0915	0.036
33344.610175	0.610175	13.261	16-Apr-91	14:38:39	1.0958	0.029
33344.610177	0.610177	13.254	16-Apr-91	14:38:39	1.0987	0.036
33344.610181	0.610181	13.261	16-Apr-91	14:38:40	1.1045	0.029
33344.610183	0.610183	13.261	16-Apr-91	14:38:40	1.1074	0.029
33344.610186	0.610186	13.261	16-Apr-91	14:38:40	1.1117	0.029
33344.610191	0.610191	13.254	16-Apr-91	14:38:41	1.1189	0.036
33344.610193	0.610193	13.254	16-Apr-91	14:38:41	1.1218	0.036
33344.610196	0.610196	13.254	16-Apr-91	14:38:41	1.1261	0.036
33344.610199	0.610199	13.261	16-Apr-91	14:38:41	1.1304	0.029
33344.610201	0.610201	13.261	16-Apr-91	14:38:41	1.1333	0.029
33344.610205	0.610205	13.254	16-Apr-91	14:38:42	1.1390	0.036
33344.610209	0.610209	13.254	16-Apr-91	14:38:42	1.1448	0.036
33344.610212	0.610212	13.261	16-Apr-91	14:38:42	1.1491	0.029
33344.610214	0.610214	13.261	16-Apr-91	14:38:42	1.1520	0.029
33344.610218	0.610218	13.254	16-Apr-91	14:38:43	1.1578	0.036
33344.61022	0.61022	13.261	16-Apr-91	14:38:43	1.1606	0.029
33344.610222	0.610222	13.261	16-Apr-91	14:38:43	1.1635	0.029
33344.610228	0.610228	13.254	16-Apr-91	14:38:44	1.1722	0.036
33344.61023	0.61023	13.261	16-Apr-91	14:38:44	1.1750	0.029
33344.610233	0.610233	13.261	16-Apr-91	14:38:44	1.1794	0.029
33344.610236	0.610236	13.261	16-Apr-91	14:38:44	1.1837	0.029
33344.610238	0.610238	13.254	16-Apr-91	14:38:45	1.1866	0.036
33344.610241	0.610241	13.261	16-Apr-91	14:38:45	1.1909	0.029
33344.610247	0.610247	13.261	16-Apr-91	14:38:45	1.1995	0.029
33344.610249	0.610249	13.261	16-Apr-91	14:38:46	1.2024	0.029
33344.610251	0.610251	13.261	16-Apr-91	14:38:46	1.2053	0.029
33344.610255	0.610255	13.254	16-Apr-91	14:38:46	1.2110	0.036
33344.610257	0.610257	13.254	16-Apr-91	14:38:46	1.2139	0.036
33344.610259	0.610259	13.254	16-Apr-91	14:38:46	1.2168	0.036
33344.610265	0.610265	13.254	16-Apr-91	14:38:47	1.2254	0.036
33344.610267	0.610267	13.261	16-Apr-91	14:38:47	1.2283	0.029
33344.61027	0.61027	13.261	16-Apr-91	14:38:47	1.2326	0.029
33344.610273	0.610273	13.261	16-Apr-91	14:38:48	1.2370	0.029
33344.610275	0.610275	13.261	16-Apr-91	14:38:48	1.2398	0.029
33344.610278	0.610278	13.261	16-Apr-91	14:38:48	1.2442	0.029
33344.610282	0.610282	13.254	16-Apr-91	14:38:48	1.2499	0.036
33344.610286	0.610286	13.254	16-Apr-91	14:38:49	1.2557	0.036
33344.610288	0.610288	13.254	16-Apr-91	14:38:49	1.2586	0.036
33344.610292	0.610292	13.254	16-Apr-91	14:38:49	1.2643	0.036
33344.610294	0.610294	13.261	16-Apr-91	14:38:49	1.2672	0.029
33344.610296	0.610296	13.254	16-Apr-91	14:38:50	1.2701	0.036
33344.610301	0.610301	13.254	16-Apr-91	14:38:50	1.2773	0.036
33344.610304	0.610304	13.261	16-Apr-91	14:38:50	1.2816	0.029
33344.610307	0.610307	13.261	16-Apr-91	14:38:51	1.2859	0.029

33344.61031	0.61031	13.261	16-Apr-91	14:38:51	1.2902	0.029
33344.610313	0.610312	13.261	16-Apr-91	14:38:51	1.2931	0.029
33344.610315	0.610315	13.261	16-Apr-91	14:38:51	1.2974	0.029
33344.610319	0.610319	13.254	16-Apr-91	14:38:52	1.3032	0.036
33344.610323	0.610323	13.261	16-Apr-91	14:38:52	1.3090	0.029
33344.610325	0.610325	13.254	16-Apr-91	14:38:52	1.3118	0.036
33344.610329	0.610329	13.254	16-Apr-91	14:38:52	1.3176	0.036
33344.610331	0.610331	13.261	16-Apr-91	14:38:53	1.3205	0.029
33344.610333	0.610333	13.261	16-Apr-91	14:38:53	1.3234	0.029
33344.610338	0.610338	13.254	16-Apr-91	14:38:53	1.3306	0.036
33344.610341	0.610341	13.261	16-Apr-91	14:38:53	1.3349	0.029
33344.610344	0.610344	13.261	16-Apr-91	14:38:54	1.3392	0.029
33344.610347	0.610347	13.261	16-Apr-91	14:38:54	1.3435	0.029
33344.61035	0.61035	13.261	16-Apr-91	14:38:54	1.3478	0.029
33344.610352	0.610352	13.261	16-Apr-91	14:38:54	1.3507	0.029
33344.610356	0.610356	13.254	16-Apr-91	14:38:55	1.3565	0.036
33344.61036	0.61036	13.261	16-Apr-91	14:38:55	1.3622	0.029
33344.610362	0.610362	13.261	16-Apr-91	14:38:55	1.3651	0.029
33344.610365	0.610365	13.261	16-Apr-91	14:38:56	1.3694	0.029
33344.610368	0.610368	13.261	16-Apr-91	14:38:56	1.3738	0.029
33344.61037	0.61037	13.254	16-Apr-91	14:38:56	1.3766	0.036
33344.610375	0.610375	13.254	16-Apr-91	14:38:56	1.3838	0.036
33344.610378	0.610378	13.254	16-Apr-91	14:38:57	1.3882	0.036
33344.610381	0.610381	13.261	16-Apr-91	14:38:57	1.3925	0.029
33344.610383	0.610383	13.254	16-Apr-91	14:38:57	1.3954	0.036
33344.610387	0.610387	13.254	16-Apr-91	14:38:57	1.4011	0.036
33344.610389	0.610389	13.261	16-Apr-91	14:38:58	1.4040	0.029
33344.610394	0.610394	13.261	16-Apr-91	14:38:58	1.4112	0.029
33344.610397	0.610397	13.261	16-Apr-91	14:38:58	1.4155	0.029
33344.610399	0.610399	13.261	16-Apr-91	14:38:58	1.4184	0.029
33344.610402	0.610402	13.261	16-Apr-91	14:38:59	1.4227	0.029
33344.610405	0.610405	13.261	16-Apr-91	14:38:59	1.4270	0.029
33344.610407	0.610407	13.261	16-Apr-91	14:38:59	1.4299	0.029
33344.610412	0.610412	13.254	16-Apr-91	14:39:00	1.4371	0.036
33344.610416	0.610416	13.254	16-Apr-91	14:39:00	1.4429	0.036
33344.610418	0.610418	13.254	16-Apr-91	14:39:00	1.4458	0.036
33344.61042	0.61042	13.261	16-Apr-91	14:39:00	1.4486	0.029
33344.610424	0.610424	13.254	16-Apr-91	14:39:01	1.4544	0.036
33344.610426	0.610426	13.261	16-Apr-91	14:39:01	1.4573	0.029
33344.610431	0.610431	13.261	16-Apr-91	14:39:01	1.4645	0.029
33344.610434	0.610434	13.261	16-Apr-91	14:39:01	1.4688	0.029
33344.610436	0.610436	13.261	16-Apr-91	14:39:02	1.4717	0.029
33344.610439	0.610439	13.261	16-Apr-91	14:39:02	1.4760	0.029
33344.610442	0.610442	13.254	16-Apr-91	14:39:02	1.4803	0.036
33344.610444	0.610444	13.261	16-Apr-91	14:39:02	1.4832	0.029
33344.610449	0.610449	13.261	16-Apr-91	14:39:03	1.4904	0.029
33344.610453	0.610453	13.261	16-Apr-91	14:39:03	1.4962	0.029

33344.610455	0.610455	13.261	16-Apr-91	14:39:03	1.4990	0.029
33344.610457	0.610457	13.261	16-Apr-91	14:39:03	1.5019	0.029
33344.610461	0.610461	13.261	16-Apr-91	14:39:04	1.5077	0.029
33344.610463	0.610463	13.261	16-Apr-91	14:39:04	1.5106	0.029
33344.610468	0.610468	13.261	16-Apr-91	14:39:04	1.5178	0.029


Bouwer & Rice Slug Test Plot
Well MW-11 -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-11s

Initial DTW (bgs) @ time < 0:	21.8	(feet)
Depth to top of sandpack:	15.9	(feet)
Depth to top of screen:	16.4	(feet)
H = Initial head @ time < 0:	13.28	(feet)
H(0)= Maximum head (@ t ~ 0):	2.85	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	15.6	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	15.6	(feet)
Length watertable to bottom of sandpack:	15.6	(feet)
b = Aquifer saturated thickness:	19.2	(feet)
Partial Penetration (Y/N):	Y	

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	14:50:04
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	13.275

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.618065	0.618065	13.261	16-Apr-91	14:50:01	-0.0562	0.014	
33344.618067	0.618067	13.283	16-Apr-91	14:50:01	-0.0533	0.008	
33344.618069	0.618069	13.275	16-Apr-91	14:50:01	-0.0504	0.000	
33344.618073	0.618073	13.275	16-Apr-91	14:50:02	-0.0446	0.000	
33344.618078	0.618078	13.275	16-Apr-91	14:50:02	-0.0374	0.000	
33344.61808	0.61808	13.275	16-Apr-91	14:50:02	-0.0346	0.000	
33344.618083	0.618083	13.283	16-Apr-91	14:50:02	-0.0302	0.008	
33344.618086	0.618086	13.275	16-Apr-91	14:50:03	-0.0259	0.000	
33344.618088	0.618088	13.283	16-Apr-91	14:50:03	-0.0230	0.008	
33344.618091	0.618091	13.283	16-Apr-91	14:50:03	-0.0187	0.008	
33344.618096	0.618096	13.275	16-Apr-91	14:50:03	-0.0115	0.000	
33344.618098	0.618098	13.232	16-Apr-91	14:50:04	-0.0086	0.043	
33344.618102	0.618102	13.189	16-Apr-91	14:50:04	-0.0029	0.086	
33344.618104	0.618104	12.416	16-Apr-91	14:50:04	0.0000	0.859	Start bail test
33344.618106	0.618106	10.424	16-Apr-91	14:50:04	0.0029	2.851	
33344.61811	0.61811	11.24	16-Apr-91	14:50:05	0.0086	2.035	
33344.618115	0.618115	11.983	16-Apr-91	14:50:05	0.0158	1.292	
33344.618117	0.618117	11.824	16-Apr-91	14:50:05	0.0187	1.451	
33344.61812	0.61812	11.882	16-Apr-91	14:50:06	0.0230	1.393	

33344.618123	0.618123	11.918	16-Apr-91	14:50:06	0.0274	1.357
33344.618125	0.618125	11.68	16-Apr-91	14:50:06	0.0302	1.595
33344.618128	0.618128	11.651	16-Apr-91	14:50:06	0.0346	1.624
33344.618133	0.618133	11.961	16-Apr-91	14:50:07	0.0418	1.314
33344.618135	0.618135	12.2	16-Apr-91	14:50:07	0.0446	1.075
33344.618139	0.618139	12.387	16-Apr-91	14:50:07	0.0504	0.888
33344.618141	0.618141	12.561	16-Apr-91	14:50:07	0.0533	0.714
33344.618144	0.618144	12.683	16-Apr-91	14:50:08	0.0576	0.592
33344.618147	0.618147	12.784	16-Apr-91	14:50:08	0.0619	0.491
33344.618152	0.618152	12.914	16-Apr-91	14:50:08	0.0691	0.361
33344.618154	0.618154	12.979	16-Apr-91	14:50:09	0.0720	0.296
33344.618156	0.618156	13.023	16-Apr-91	14:50:09	0.0749	0.252
33344.61816	0.61816	13.066	16-Apr-91	14:50:09	0.0806	0.209
33344.618162	0.618162	13.088	16-Apr-91	14:50:09	0.0835	0.187
33344.618166	0.618166	13.109	16-Apr-91	14:50:10	0.0893	0.166
33344.61817	0.61817	13.131	16-Apr-91	14:50:10	0.0950	0.144
33344.618172	0.618172	13.145	16-Apr-91	14:50:10	0.0979	0.130
33344.618175	0.618175	13.153	16-Apr-91	14:50:10	0.1022	0.122
33344.618178	0.618178	13.16	16-Apr-91	14:50:11	0.1066	0.115
33344.618181	0.618181	13.167	16-Apr-91	14:50:11	0.1109	0.108
33344.618184	0.618184	13.174	16-Apr-91	14:50:11	0.1152	0.101
33344.618189	0.618189	13.181	16-Apr-91	14:50:12	0.1224	0.094
33344.618191	0.618191	13.181	16-Apr-91	14:50:12	0.1253	0.094
33344.618193	0.618193	13.189	16-Apr-91	14:50:12	0.1282	0.086
33344.618197	0.618197	13.189	16-Apr-91	14:50:12	0.1339	0.086
33344.618199	0.618199	13.196	16-Apr-91	14:50:12	0.1368	0.079
33344.618203	0.618203	13.196	16-Apr-91	14:50:13	0.1426	0.079
33344.618207	0.618207	13.196	16-Apr-91	14:50:13	0.1483	0.079
33344.618209	0.618209	13.203	16-Apr-91	14:50:13	0.1512	0.072
33344.618212	0.618212	13.203	16-Apr-91	14:50:14	0.1555	0.072
33344.618215	0.618215	13.203	16-Apr-91	14:50:14	0.1598	0.072
33344.618218	0.618218	13.21	16-Apr-91	14:50:14	0.1642	0.065
33344.618221	0.618221	13.21	16-Apr-91	14:50:14	0.1685	0.065
33344.618226	0.618226	13.21	16-Apr-91	14:50:15	0.1757	0.065
33344.618228	0.618228	13.21	16-Apr-91	14:50:15	0.1786	0.065
33344.61823	0.61823	13.21	16-Apr-91	14:50:15	0.1814	0.065
33344.618234	0.618234	13.21	16-Apr-91	14:50:15	0.1872	0.065
33344.618236	0.618236	13.218	16-Apr-91	14:50:16	0.1901	0.057
33344.61824	0.61824	13.218	16-Apr-91	14:50:16	0.1958	0.057
33344.618244	0.618244	13.218	16-Apr-91	14:50:16	0.2016	0.057
33344.618247	0.618247	13.218	16-Apr-91	14:50:17	0.2059	0.057
33344.618249	0.618249	13.218	16-Apr-91	14:50:17	0.2088	0.057
33344.618252	0.618252	13.218	16-Apr-91	14:50:17	0.2131	0.057
33344.618255	0.618255	13.218	16-Apr-91	14:50:17	0.2174	0.057
33344.618257	0.618257	13.218	16-Apr-91	14:50:17	0.2203	0.057
33344.618263	0.618263	13.218	16-Apr-91	14:50:18	0.2290	0.057
33344.618265	0.618265	13.225	16-Apr-91	14:50:18	0.2318	0.050

33344.618267	0.618267	13.218	16-Apr-91	14:50:18	0.2347	0.057
33344.618271	0.618271	13.225	16-Apr-91	14:50:19	0.2405	0.050
33344.618273	0.618273	13.225	16-Apr-91	14:50:19	0.2434	0.050
33344.618275	0.618275	13.218	16-Apr-91	14:50:19	0.2462	0.057
33344.618281	0.618281	13.225	16-Apr-91	14:50:19	0.2549	0.050
33344.618284	0.618284	13.225	16-Apr-91	14:50:20	0.2592	0.050
33344.618286	0.618286	13.225	16-Apr-91	14:50:20	0.2621	0.050
33344.618289	0.618289	13.225	16-Apr-91	14:50:20	0.2664	0.050
33344.618292	0.618292	13.225	16-Apr-91	14:50:20	0.2707	0.050
33344.618294	0.618294	13.232	16-Apr-91	14:50:21	0.2736	0.043
33344.6183	0.6183	13.225	16-Apr-91	14:50:21	0.2822	0.050
33344.618302	0.618302	13.225	16-Apr-91	14:50:21	0.2851	0.050
33344.618304	0.618304	13.232	16-Apr-91	14:50:21	0.2880	0.043
33344.618308	0.618308	13.232	16-Apr-91	14:50:22	0.2938	0.043
33344.61831	0.61831	13.232	16-Apr-91	14:50:22	0.2966	0.043
33344.618312	0.618312	13.232	16-Apr-91	14:50:22	0.2995	0.043
33344.618318	0.618318	13.225	16-Apr-91	14:50:23	0.3082	0.050
33344.618321	0.618321	13.232	16-Apr-91	14:50:23	0.3125	0.043
33344.618323	0.618323	13.232	16-Apr-91	14:50:23	0.3154	0.043
33344.618326	0.618326	13.232	16-Apr-91	14:50:23	0.3197	0.043
33344.618329	0.618329	13.232	16-Apr-91	14:50:24	0.3240	0.043
33344.618331	0.618331	13.232	16-Apr-91	14:50:24	0.3269	0.043
33344.618336	0.618336	13.232	16-Apr-91	14:50:24	0.3341	0.043
33344.618339	0.618339	13.232	16-Apr-91	14:50:24	0.3384	0.043
33344.618341	0.618341	13.232	16-Apr-91	14:50:25	0.3413	0.043
33344.618345	0.618345	13.239	16-Apr-91	14:50:25	0.3470	0.036
33344.618347	0.618347	13.232	16-Apr-91	14:50:25	0.3499	0.043
33344.61835	0.61835	13.232	16-Apr-91	14:50:25	0.3542	0.043
33344.618354	0.618354	13.232	16-Apr-91	14:50:26	0.3600	0.043
33344.618358	0.618358	13.232	16-Apr-91	14:50:26	0.3658	0.043
33344.61836	0.61836	13.232	16-Apr-91	14:50:26	0.3686	0.043
33344.618363	0.618363	13.239	16-Apr-91	14:50:27	0.3730	0.036
33344.618366	0.618366	13.239	16-Apr-91	14:50:27	0.3773	0.036
33344.618368	0.618368	13.232	16-Apr-91	14:50:27	0.3802	0.043
33344.618373	0.618373	13.232	16-Apr-91	14:50:27	0.3874	0.043
33344.618376	0.618376	13.239	16-Apr-91	14:50:28	0.3917	0.036
33344.618378	0.618378	13.239	16-Apr-91	14:50:28	0.3946	0.036
33344.618382	0.618382	13.246	16-Apr-91	14:50:28	0.4003	0.029
33344.618384	0.618384	13.239	16-Apr-91	14:50:28	0.4032	0.036
33344.618387	0.618387	13.239	16-Apr-91	14:50:29	0.4075	0.036
33344.618391	0.618391	13.232	16-Apr-91	14:50:29	0.4133	0.043
33344.618395	0.618395	13.239	16-Apr-91	14:50:29	0.4190	0.036
33344.618397	0.618397	13.239	16-Apr-91	14:50:30	0.4219	0.036
33344.618399	0.618399	13.239	16-Apr-91	14:50:30	0.4248	0.036
33344.618403	0.618403	13.239	16-Apr-91	14:50:30	0.4306	0.036
33344.618405	0.618405	13.239	16-Apr-91	14:50:30	0.4334	0.036
33344.61841	0.61841	13.239	16-Apr-91	14:50:31	0.4406	0.036

33344.618413	0.618413	13.246	16-Apr-91	14:50:31	0.4450	0.029
33344.618416	0.618416	13.239	16-Apr-91	14:50:31	0.4493	0.036
33344.618418	0.618418	13.246	16-Apr-91	14:50:31	0.4522	0.029
33344.618421	0.618421	13.246	16-Apr-91	14:50:32	0.4565	0.029
33344.618424	0.618424	13.246	16-Apr-91	14:50:32	0.4608	0.029
33344.618428	0.618428	13.239	16-Apr-91	14:50:32	0.4666	0.036
33344.618432	0.618432	13.239	16-Apr-91	14:50:33	0.4723	0.036
33344.618434	0.618434	13.239	16-Apr-91	14:50:33	0.4752	0.036
33344.618436	0.618436	13.246	16-Apr-91	14:50:33	0.4781	0.029
33344.61844	0.61844	13.246	16-Apr-91	14:50:33	0.4838	0.029
33344.618442	0.618442	13.239	16-Apr-91	14:50:33	0.4867	0.036
33344.618447	0.618447	13.239	16-Apr-91	14:50:34	0.4939	0.036
33344.61845	0.61845	13.246	16-Apr-91	14:50:34	0.4982	0.029
33344.618453	0.618453	13.246	16-Apr-91	14:50:34	0.5026	0.029
33344.618455	0.618455	13.246	16-Apr-91	14:50:35	0.5054	0.029
33344.618458	0.618458	13.246	16-Apr-91	14:50:35	0.5098	0.029
33344.618461	0.618461	13.246	16-Apr-91	14:50:35	0.5141	0.029
33344.618465	0.618465	13.239	16-Apr-91	14:50:35	0.5198	0.036
33344.618469	0.618469	13.239	16-Apr-91	14:50:36	0.5256	0.036
33344.618471	0.618471	13.246	16-Apr-91	14:50:36	0.5285	0.029
33344.618473	0.618473	13.246	16-Apr-91	14:50:36	0.5314	0.029
33344.618477	0.618477	13.246	16-Apr-91	14:50:36	0.5371	0.029
33344.618479	0.618479	13.246	16-Apr-91	14:50:37	0.5400	0.029
33344.618484	0.618484	13.239	16-Apr-91	14:50:37	0.5472	0.036
33344.618487	0.618487	13.246	16-Apr-91	14:50:37	0.5515	0.029
33344.61849	0.61849	13.239	16-Apr-91	14:50:38	0.5558	0.036
33344.618492	0.618492	13.246	16-Apr-91	14:50:38	0.5587	0.029
33344.618495	0.618495	13.246	16-Apr-91	14:50:38	0.5630	0.029
33344.618498	0.618498	13.246	16-Apr-91	14:50:38	0.5674	0.029
33344.618502	0.618502	13.246	16-Apr-91	14:50:39	0.5731	0.029
33344.618506	0.618506	13.246	16-Apr-91	14:50:39	0.5789	0.029
33344.618508	0.618508	13.246	16-Apr-91	14:50:39	0.5818	0.029
33344.61851	0.61851	13.246	16-Apr-91	14:50:39	0.5846	0.029
33344.618514	0.618514	13.246	16-Apr-91	14:50:40	0.5904	0.029
33344.618516	0.618516	13.254	16-Apr-91	14:50:40	0.5933	0.021
33344.618521	0.618521	13.246	16-Apr-91	14:50:40	0.6005	0.029
33344.618524	0.618524	13.246	16-Apr-91	14:50:40	0.6048	0.029
33344.618527	0.618527	13.246	16-Apr-91	14:50:41	0.6091	0.029
33344.618529	0.618529	13.246	16-Apr-91	14:50:41	0.6120	0.029
33344.618532	0.618532	13.246	16-Apr-91	14:50:41	0.6163	0.029
33344.618535	0.618535	13.246	16-Apr-91	14:50:41	0.6206	0.029
33344.618539	0.618539	13.246	16-Apr-91	14:50:42	0.6264	0.029
33344.618543	0.618543	13.246	16-Apr-91	14:50:42	0.6322	0.029
33344.618545	0.618545	13.246	16-Apr-91	14:50:42	0.6350	0.029
33344.618547	0.618547	13.246	16-Apr-91	14:50:42	0.6379	0.029
33344.618551	0.618551	13.246	16-Apr-91	14:50:43	0.6437	0.029
33344.618553	0.618553	13.254	16-Apr-91	14:50:43	0.6466	0.021

33344.618558	0.618558	13.246	16-Apr-91	14:50:43	0.6538	0.029
33344.61856	0.61856	13.254	16-Apr-91	14:50:44	0.6566	0.021
33344.618564	0.618564	13.246	16-Apr-91	14:50:44	0.6624	0.029
33344.618566	0.618566	13.246	16-Apr-91	14:50:44	0.6653	0.029
33344.618569	0.618569	13.246	16-Apr-91	14:50:44	0.6696	0.029
33344.618572	0.618572	13.246	16-Apr-91	14:50:45	0.6739	0.029
33344.618576	0.618576	13.246	16-Apr-91	14:50:45	0.6797	0.029
33344.618579	0.618579	13.246	16-Apr-91	14:50:45	0.6840	0.029
33344.618582	0.618582	13.246	16-Apr-91	14:50:45	0.6883	0.029
33344.618584	0.618584	13.246	16-Apr-91	14:50:46	0.6912	0.029
33344.618588	0.618588	13.254	16-Apr-91	14:50:46	0.6970	0.021
33344.61859	0.61859	13.246	16-Apr-91	14:50:46	0.6998	0.029
33344.618595	0.618595	13.246	16-Apr-91	14:50:47	0.7070	0.029
33344.618597	0.618597	13.246	16-Apr-91	14:50:47	0.7099	0.029
33344.618601	0.618601	13.246	16-Apr-91	14:50:47	0.7157	0.029
33344.618603	0.618603	13.254	16-Apr-91	14:50:47	0.7186	0.021
33344.618606	0.618606	13.246	16-Apr-91	14:50:48	0.7229	0.029
33344.618609	0.618609	13.246	16-Apr-91	14:50:48	0.7272	0.029
33344.618613	0.618613	13.246	16-Apr-91	14:50:48	0.7330	0.029
33344.618616	0.618616	13.246	16-Apr-91	14:50:48	0.7373	0.029
33344.618619	0.618619	13.246	16-Apr-91	14:50:49	0.7416	0.029
33344.618622	0.618622	13.246	16-Apr-91	14:50:49	0.7459	0.029
33344.618625	0.618625	13.246	16-Apr-91	14:50:49	0.7502	0.029
33344.618627	0.618627	13.246	16-Apr-91	14:50:49	0.7531	0.029
33344.618632	0.618632	13.246	16-Apr-91	14:50:50	0.7603	0.029
33344.618634	0.618634	13.254	16-Apr-91	14:50:50	0.7632	0.021
33344.618638	0.618638	13.246	16-Apr-91	14:50:50	0.7690	0.029
33344.61864	0.61864	13.246	16-Apr-91	14:50:50	0.7718	0.029
33344.618642	0.618642	13.246	16-Apr-91	14:50:51	0.7747	0.029
33344.618646	0.618646	13.246	16-Apr-91	14:50:51	0.7805	0.029
33344.61865	0.61865	13.246	16-Apr-91	14:50:51	0.7862	0.029
33344.618653	0.618653	13.246	16-Apr-91	14:50:52	0.7906	0.029
33344.618656	0.618656	13.254	16-Apr-91	14:50:52	0.7949	0.021
33344.618659	0.618659	13.254	16-Apr-91	14:50:52	0.7992	0.021
33344.618661	0.618661	13.246	16-Apr-91	14:50:52	0.8021	0.029
33344.618664	0.618664	13.254	16-Apr-91	14:50:53	0.8064	0.021
33344.618669	0.618669	13.246	16-Apr-91	14:50:53	0.8136	0.029
33344.618671	0.618671	13.246	16-Apr-91	14:50:53	0.8165	0.029
33344.618675	0.618675	13.254	16-Apr-91	14:50:54	0.8222	0.021
33344.618677	0.618677	13.254	16-Apr-91	14:50:54	0.8251	0.021
33344.618679	0.618679	13.246	16-Apr-91	14:50:54	0.8280	0.029
33344.618683	0.618683	13.246	16-Apr-91	14:50:54	0.8338	0.029
33344.618688	0.618688	13.246	16-Apr-91	14:50:55	0.8410	0.029
33344.61869	0.61869	13.254	16-Apr-91	14:50:55	0.8438	0.021
33344.618693	0.618693	13.254	16-Apr-91	14:50:55	0.8482	0.021
33344.618696	0.618696	13.254	16-Apr-91	14:50:55	0.8525	0.021
33344.618698	0.618698	13.246	16-Apr-91	14:50:56	0.8554	0.029

33344.618701	0.618701	13.254	16-Apr-91	14:50:56	0.8597	0.021
33344.618706	0.618706	13.246	16-Apr-91	14:50:56	0.8669	0.029
33344.618708	0.618708	13.246	16-Apr-91	14:50:56	0.8698	0.029
33344.618712	0.618712	13.246	16-Apr-91	14:50:57	0.8755	0.029
33344.618714	0.618714	13.246	16-Apr-91	14:50:57	0.8784	0.029
33344.618716	0.618716	13.254	16-Apr-91	14:50:57	0.8813	0.021
33344.61872	0.61872	13.246	16-Apr-91	14:50:57	0.8870	0.029
33344.618725	0.618725	13.246	16-Apr-91	14:50:58	0.8942	0.029
33344.618727	0.618727	13.254	16-Apr-91	14:50:58	0.8971	0.021
33344.61873	0.61873	13.246	16-Apr-91	14:50:58	0.9014	0.029
33344.618733	0.618733	13.254	16-Apr-91	14:50:59	0.9058	0.021
33344.618735	0.618735	13.254	16-Apr-91	14:50:59	0.9086	0.021
33344.618738	0.618738	13.246	16-Apr-91	14:50:59	0.9130	0.029
33344.618743	0.618743	13.246	16-Apr-91	14:50:59	0.9202	0.029
33344.618745	0.618745	13.246	16-Apr-91	14:51:00	0.9230	0.029
33344.618749	0.618749	13.246	16-Apr-91	14:51:00	0.9288	0.029
33344.618751	0.618751	13.254	16-Apr-91	14:51:00	0.9317	0.021
33344.618753	0.618753	13.254	16-Apr-91	14:51:00	0.9346	0.021
33344.618757	0.618757	13.254	16-Apr-91	14:51:01	0.9403	0.021
33344.618762	0.618762	13.246	16-Apr-91	14:51:01	0.9475	0.029
33344.618764	0.618764	13.254	16-Apr-91	14:51:01	0.9504	0.021
33344.618767	0.618767	13.254	16-Apr-91	14:51:01	0.9547	0.021
33344.61877	0.61877	13.254	16-Apr-91	14:51:02	0.9590	0.021
33344.618772	0.618772	13.254	16-Apr-91	14:51:02	0.9619	0.021
33344.618775	0.618775	13.246	16-Apr-91	14:51:02	0.9662	0.029
33344.61878	0.61878	13.246	16-Apr-91	14:51:03	0.9734	0.029
33344.618782	0.618782	13.254	16-Apr-91	14:51:03	0.9763	0.021
33344.618785	0.618785	13.254	16-Apr-91	14:51:03	0.9806	0.021
33344.618788	0.618788	13.254	16-Apr-91	14:51:03	0.9850	0.021
33344.618791	0.618791	13.254	16-Apr-91	14:51:04	0.9893	0.021
33344.618794	0.618794	13.254	16-Apr-91	14:51:04	0.9936	0.021
33344.618799	0.618799	13.246	16-Apr-91	14:51:04	1.0008	0.029
33344.618801	0.618801	13.254	16-Apr-91	14:51:04	1.0037	0.021
33344.618803	0.618803	13.254	16-Apr-91	14:51:05	1.0066	0.021
33344.618807	0.618807	13.246	16-Apr-91	14:51:05	1.0123	0.029
33344.618809	0.618809	13.246	16-Apr-91	14:51:05	1.0152	0.029
33344.618812	0.618812	13.254	16-Apr-91	14:51:05	1.0195	0.021
33344.618817	0.618817	13.246	16-Apr-91	14:51:06	1.0267	0.029
33344.618819	0.618819	13.254	16-Apr-91	14:51:06	1.0296	0.021
33344.618822	0.618822	13.254	16-Apr-91	14:51:06	1.0339	0.021
33344.618825	0.618825	13.254	16-Apr-91	14:51:06	1.0382	0.021
33344.618828	0.618828	13.254	16-Apr-91	14:51:07	1.0426	0.021
33344.618831	0.618831	13.254	16-Apr-91	14:51:07	1.0469	0.021
33344.618836	0.618836	13.246	16-Apr-91	14:51:07	1.0541	0.029
33344.618838	0.618838	13.254	16-Apr-91	14:51:08	1.0570	0.021
33344.61884	0.61884	13.254	16-Apr-91	14:51:08	1.0598	0.021
33344.618844	0.618844	13.254	16-Apr-91	14:51:08	1.0656	0.021

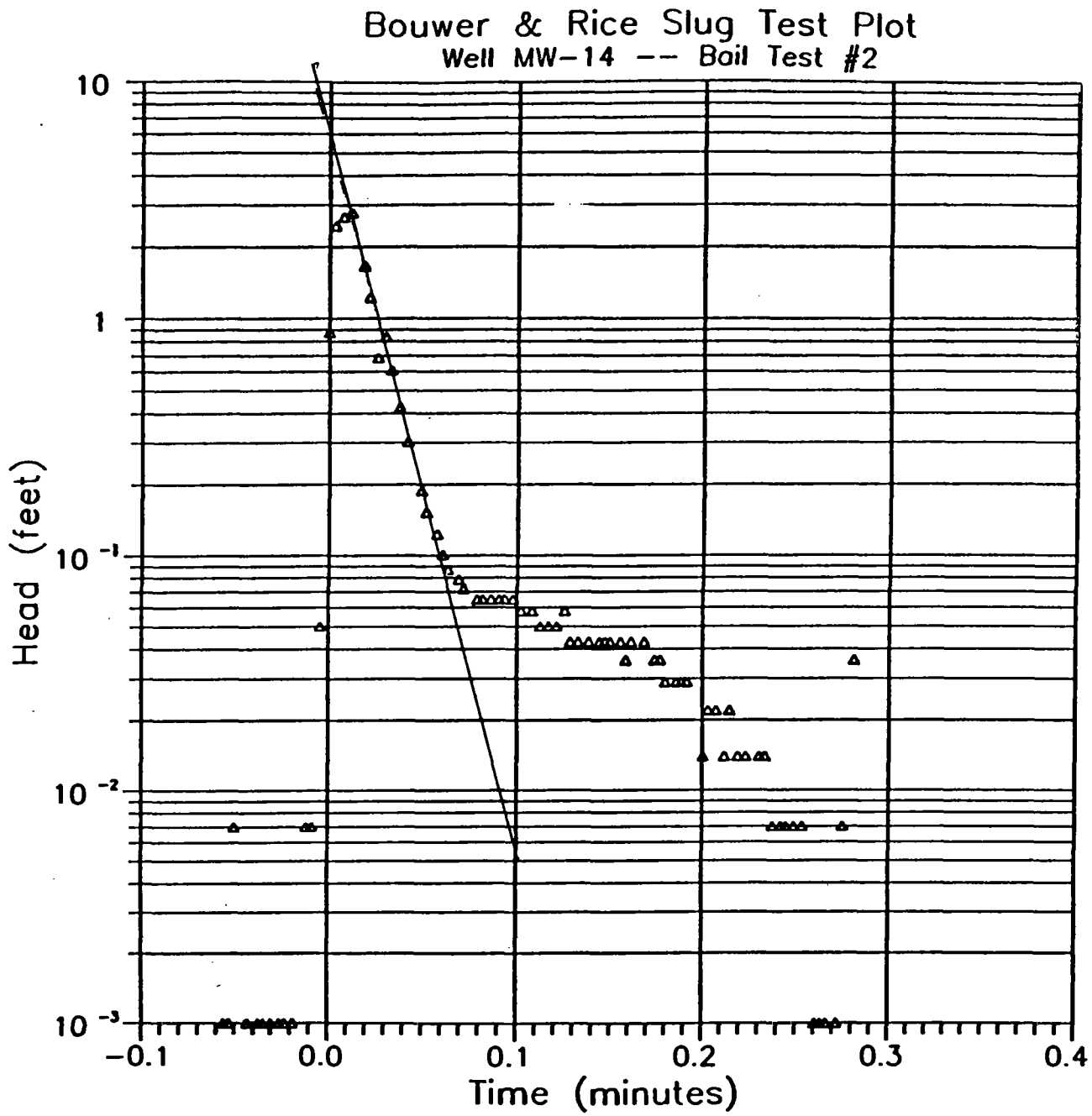
33344.618846	0.618846	13.254	16-Apr-91	14:51:08	1.0685	0.021
33344.61885	0.61885	13.254	16-Apr-91	14:51:09	1.0742	0.021
33344.618854	0.618854	13.246	16-Apr-91	14:51:09	1.0800	0.029
33344.618856	0.618856	13.254	16-Apr-91	14:51:09	1.0829	0.021
33344.618859	0.618859	13.254	16-Apr-91	14:51:09	1.0872	0.021
33344.618862	0.618862	13.254	16-Apr-91	14:51:10	1.0915	0.021
33344.618865	0.618865	13.254	16-Apr-91	14:51:10	1.0958	0.021
33344.618868	0.618868	13.254	16-Apr-91	14:51:10	1.1002	0.021
33344.618873	0.618873	13.254	16-Apr-91	14:51:11	1.1074	0.021
33344.618875	0.618875	13.254	16-Apr-91	14:51:11	1.1102	0.021
33344.618877	0.618877	13.254	16-Apr-91	14:51:11	1.1131	0.021
33344.618881	0.618881	13.254	16-Apr-91	14:51:11	1.1189	0.021
33344.618883	0.618883	13.254	16-Apr-91	14:51:11	1.1218	0.021
33344.618887	0.618887	13.254	16-Apr-91	14:51:12	1.1275	0.021
33344.618891	0.618891	13.246	16-Apr-91	14:51:12	1.1333	0.029
33344.618894	0.618894	13.254	16-Apr-91	14:51:12	1.1376	0.021
33344.618896	0.618896	13.254	16-Apr-91	14:51:13	1.1405	0.021
33344.618899	0.618899	13.254	16-Apr-91	14:51:13	1.1448	0.021
33344.618902	0.618902	13.254	16-Apr-91	14:51:13	1.1491	0.021
33344.618904	0.618904	13.254	16-Apr-91	14:51:13	1.1520	0.021
33344.61891	0.61891	13.254	16-Apr-91	14:51:14	1.1606	0.021
33344.618912	0.618912	13.254	16-Apr-91	14:51:14	1.1635	0.021
33344.618914	0.618914	13.254	16-Apr-91	14:51:14	1.1664	0.021
33344.618918	0.618918	13.254	16-Apr-91	14:51:15	1.1722	0.021
33344.61892	0.61892	13.261	16-Apr-91	14:51:15	1.1750	0.014
33344.618922	0.618922	13.254	16-Apr-91	14:51:15	1.1779	0.021
33344.618928	0.618928	13.246	16-Apr-91	14:51:15	1.1866	0.029
33344.618931	0.618931	13.254	16-Apr-91	14:51:16	1.1909	0.021
33344.618933	0.618933	13.254	16-Apr-91	14:51:16	1.1938	0.021
33344.618936	0.618936	13.246	16-Apr-91	14:51:16	1.1981	0.029
33344.618939	0.618939	13.254	16-Apr-91	14:51:16	1.2024	0.021
33344.618941	0.618941	13.254	16-Apr-91	14:51:17	1.2053	0.021
33344.618947	0.618947	13.246	16-Apr-91	14:51:17	1.2139	0.029
33344.618949	0.618949	13.254	16-Apr-91	14:51:17	1.2168	0.021
33344.618951	0.618951	13.254	16-Apr-91	14:51:17	1.2197	0.021
33344.618955	0.618955	13.254	16-Apr-91	14:51:18	1.2254	0.021
33344.618957	0.618957	13.254	16-Apr-91	14:51:18	1.2283	0.021
33344.618959	0.618959	13.254	16-Apr-91	14:51:18	1.2312	0.021
33344.618965	0.618965	13.254	16-Apr-91	14:51:19	1.2398	0.021
33344.618968	0.618968	13.254	16-Apr-91	14:51:19	1.2442	0.021
33344.61897	0.61897	13.254	16-Apr-91	14:51:19	1.2470	0.021
33344.618973	0.618973	13.254	16-Apr-91	14:51:19	1.2514	0.021
33344.618976	0.618976	13.254	16-Apr-91	14:51:20	1.2557	0.021
33344.618978	0.618978	13.254	16-Apr-91	14:51:20	1.2586	0.021
33344.618983	0.618983	13.254	16-Apr-91	14:51:20	1.2658	0.021
33344.618986	0.618986	13.254	16-Apr-91	14:51:20	1.2701	0.021
33344.618988	0.618988	13.254	16-Apr-91	14:51:21	1.2730	0.021

33344.618992	0.618992	13.254	16-Apr-91	14:51:21	1.2787	0.021
33344.618994	0.618994	13.254	16-Apr-91	14:51:21	1.2816	0.021
33344.618997	0.618997	13.254	16-Apr-91	14:51:21	1.2859	0.021
33344.619001	0.619001	13.254	16-Apr-91	14:51:22	1.2917	0.021
33344.619005	0.619005	13.254	16-Apr-91	14:51:22	1.2974	0.021
33344.619007	0.619007	13.254	16-Apr-91	14:51:22	1.3003	0.021
33344.61901	0.61901	13.254	16-Apr-91	14:51:22	1.3046	0.021
33344.619013	0.619013	13.261	16-Apr-91	14:51:23	1.3090	0.014
33344.619015	0.619015	13.254	16-Apr-91	14:51:23	1.3118	0.021
33344.61902	0.61902	13.246	16-Apr-91	14:51:23	1.3190	0.029
33344.619023	0.619023	13.246	16-Apr-91	14:51:24	1.3234	0.029
33344.619025	0.619025	13.254	16-Apr-91	14:51:24	1.3262	0.021
33344.619029	0.619029	13.254	16-Apr-91	14:51:24	1.3320	0.021
33344.619031	0.619031	13.254	16-Apr-91	14:51:24	1.3349	0.021
33344.619034	0.619034	13.254	16-Apr-91	14:51:25	1.3392	0.021
33344.619038	0.619038	13.246	16-Apr-91	14:51:25	1.3450	0.029
33344.619042	0.619042	13.254	16-Apr-91	14:51:25	1.3507	0.021
33344.619044	0.619044	13.254	16-Apr-91	14:51:25	1.3536	0.021
33344.619047	0.619047	13.254	16-Apr-91	14:51:26	1.3579	0.021
33344.61905	0.61905	13.254	16-Apr-91	14:51:26	1.3622	0.021
33344.619052	0.619052	13.254	16-Apr-91	14:51:26	1.3651	0.021
33344.619057	0.619057	13.246	16-Apr-91	14:51:27	1.3723	0.029
33344.61906	0.61906	13.254	16-Apr-91	14:51:27	1.3766	0.021
33344.619062	0.619062	13.254	16-Apr-91	14:51:27	1.3795	0.021
33344.619066	0.619066	13.254	16-Apr-91	14:51:27	1.3853	0.021
33344.619068	0.619068	13.254	16-Apr-91	14:51:27	1.3882	0.021
33344.619071	0.619071	13.254	16-Apr-91	14:51:28	1.3925	0.021
33344.619075	0.619075	13.246	16-Apr-91	14:51:28	1.3982	0.029
33344.619079	0.619079	13.254	16-Apr-91	14:51:28	1.4040	0.021
33344.619081	0.619081	13.254	16-Apr-91	14:51:29	1.4069	0.021
33344.619083	0.619083	13.254	16-Apr-91	14:51:29	1.4098	0.021
33344.619087	0.619087	13.254	16-Apr-91	14:51:29	1.4155	0.021
33344.619089	0.619089	13.254	16-Apr-91	14:51:29	1.4184	0.021
33344.619094	0.619094	13.254	16-Apr-91	14:51:30	1.4256	0.021
33344.619097	0.619097	13.254	16-Apr-91	14:51:30	1.4299	0.021
33344.6191	0.6191	13.254	16-Apr-91	14:51:30	1.4342	0.021
33344.619102	0.619102	13.254	16-Apr-91	14:51:30	1.4371	0.021
33344.619105	0.619105	13.254	16-Apr-91	14:51:31	1.4414	0.021
33344.619108	0.619108	13.254	16-Apr-91	14:51:31	1.4458	0.021
33344.619112	0.619112	13.254	16-Apr-91	14:51:31	1.4515	0.021
33344.619116	0.619116	13.254	16-Apr-91	14:51:32	1.4573	0.021
33344.619118	0.619118	13.254	16-Apr-91	14:51:32	1.4602	0.021
33344.61912	0.61912	13.254	16-Apr-91	14:51:32	1.4630	0.021
33344.619124	0.619124	13.254	16-Apr-91	14:51:32	1.4688	0.021
33344.619126	0.619126	13.254	16-Apr-91	14:51:32	1.4717	0.021
33344.619131	0.619131	13.254	16-Apr-91	14:51:33	1.4789	0.021
33344.619134	0.619134	13.254	16-Apr-91	14:51:33	1.4832	0.021

33344.619137	0.619137	13.254	16-Apr-91	14:51:33	1.4875	0.021
33344.619139	0.619139	13.254	16-Apr-91	14:51:34	1.4904	0.021
33344.619142	0.619142	13.254	16-Apr-91	14:51:34	1.4947	0.021
33344.619145	0.619145	13.254	16-Apr-91	14:51:34	1.4990	0.021
33344.619149	0.619149	13.254	16-Apr-91	14:51:34	1.5048	0.021
33344.619153	0.619153	13.254	16-Apr-91	14:51:35	1.5106	0.021
33344.619155	0.619155	13.254	16-Apr-91	14:51:35	1.5134	0.021
33344.619157	0.619157	13.254	16-Apr-91	14:51:35	1.5163	0.021
33344.619161	0.619161	13.261	16-Apr-91	14:51:36	1.5221	0.014
33344.619163	0.619163	13.254	16-Apr-91	14:51:36	1.5250	0.021
33344.619168	0.619168	13.254	16-Apr-91	14:51:36	1.5322	0.021
33344.619171	0.619171	13.254	16-Apr-91	14:51:36	1.5365	0.021
33344.619174	0.619174	13.254	16-Apr-91	14:51:37	1.5408	0.021
33344.619176	0.619176	13.254	16-Apr-91	14:51:37	1.5437	0.021
33344.619179	0.619179	13.254	16-Apr-91	14:51:37	1.5480	0.021
33344.619182	0.619182	13.254	16-Apr-91	14:51:37	1.5523	0.021
33344.619186	0.619186	13.254	16-Apr-91	14:51:38	1.5581	0.021
33344.61919	0.61919	13.254	16-Apr-91	14:51:38	1.5638	0.021
33344.619192	0.619192	13.254	16-Apr-91	14:51:38	1.5667	0.021
33344.619194	0.619194	13.254	16-Apr-91	14:51:38	1.5696	0.021
33344.619198	0.619198	13.254	16-Apr-91	14:51:39	1.5754	0.021
33344.6192	0.6192	13.254	16-Apr-91	14:51:39	1.5782	0.021
33344.619205	0.619205	13.246	16-Apr-91	14:51:39	1.5854	0.029
33344.619208	0.619208	13.254	16-Apr-91	14:51:40	1.5898	0.021
33344.619211	0.619211	13.254	16-Apr-91	14:51:40	1.5941	0.021
33344.619213	0.619213	13.254	16-Apr-91	14:51:40	1.5970	0.021
33344.619216	0.619216	13.254	16-Apr-91	14:51:40	1.6013	0.021
33344.619219	0.619219	13.254	16-Apr-91	14:51:41	1.6056	0.021
33344.619223	0.619223	13.254	16-Apr-91	14:51:41	1.6114	0.021
33344.619227	0.619227	13.254	16-Apr-91	14:51:41	1.6171	0.021
33344.619229	0.619229	13.254	16-Apr-91	14:51:41	1.6200	0.021
33344.619231	0.619231	13.254	16-Apr-91	14:51:42	1.6229	0.021
33344.619235	0.619235	13.254	16-Apr-91	14:51:42	1.6286	0.021
33344.619237	0.619237	13.254	16-Apr-91	14:51:42	1.6315	0.021
33344.619242	0.619242	13.246	16-Apr-91	14:51:43	1.6387	0.029
33344.619244	0.619244	13.254	16-Apr-91	14:51:43	1.6416	0.021
33344.619248	0.619248	13.246	16-Apr-91	14:51:43	1.6474	0.029
33344.61925	0.61925	13.254	16-Apr-91	14:51:43	1.6502	0.021
33344.619253	0.619253	13.254	16-Apr-91	14:51:43	1.6546	0.021
33344.619256	0.619256	13.254	16-Apr-91	14:51:44	1.6589	0.021
33344.61926	0.61926	13.254	16-Apr-91	14:51:44	1.6646	0.021
33344.619263	0.619263	13.254	16-Apr-91	14:51:44	1.6690	0.021
33344.619266	0.619266	13.254	16-Apr-91	14:51:45	1.6733	0.021
33344.619269	0.619269	13.254	16-Apr-91	14:51:45	1.6776	0.021
33344.619272	0.619272	13.254	16-Apr-91	14:51:45	1.6819	0.021
33344.619274	0.619274	13.254	16-Apr-91	14:51:45	1.6848	0.021
33344.619279	0.619279	13.246	16-Apr-91	14:51:46	1.6920	0.029

33344.619281	0.619281	13.254	16-Apr-91	14:51:46	1.6949	0.021
33344.619285	0.619285	13.254	16-Apr-91	14:51:46	1.7006	0.021
33344.619287	0.619287	13.254	16-Apr-91	14:51:46	1.7035	0.021
33344.619291	0.619291	13.254	16-Apr-91	14:51:47	1.7093	0.021
33344.619293	0.619293	13.254	16-Apr-91	14:51:47	1.7122	0.021
33344.619297	0.619297	13.254	16-Apr-91	14:51:47	1.7179	0.021
33344.6193	0.6193	13.246	16-Apr-91	14:51:48	1.7222	0.029
33344.619303	0.619303	13.254	16-Apr-91	14:51:48	1.7266	0.021
33344.619306	0.619306	13.254	16-Apr-91	14:51:48	1.7309	0.021
33344.619309	0.619309	13.254	16-Apr-91	14:51:48	1.7352	0.021
33344.619311	0.619311	13.254	16-Apr-91	14:51:48	1.7381	0.021
33344.619316	0.619316	13.254	16-Apr-91	14:51:49	1.7453	0.021
33344.619318	0.619318	13.254	16-Apr-91	14:51:49	1.7482	0.021
33344.619322	0.619322	13.254	16-Apr-91	14:51:49	1.7539	0.021
33344.619324	0.619324	13.254	16-Apr-91	14:51:50	1.7568	0.021
33344.619328	0.619328	13.254	16-Apr-91	14:51:50	1.7626	0.021
33344.61933	0.61933	13.254	16-Apr-91	14:51:50	1.7654	0.021
33344.619334	0.619334	13.246	16-Apr-91	14:51:50	1.7712	0.029
33344.619337	0.619337	13.254	16-Apr-91	14:51:51	1.7755	0.021
33344.61934	0.61934	13.254	16-Apr-91	14:51:51	1.7798	0.021
33344.619343	0.619343	13.254	16-Apr-91	14:51:51	1.7842	0.021
33344.619345	0.619345	13.254	16-Apr-91	14:51:51	1.7870	0.021
33344.619348	0.619348	13.254	16-Apr-91	14:51:52	1.7914	0.021
33344.619353	0.619353	13.254	16-Apr-91	14:51:52	1.7986	0.021
33344.619355	0.619355	13.254	16-Apr-91	14:51:52	1.8014	0.021
33344.619359	0.619359	13.254	16-Apr-91	14:51:53	1.8072	0.021
33344.619361	0.619361	13.254	16-Apr-91	14:51:53	1.8101	0.021
33344.619363	0.619363	13.254	16-Apr-91	14:51:53	1.8130	0.021
33344.619367	0.619367	13.254	16-Apr-91	14:51:53	1.8187	0.021
33344.619372	0.619372	13.254	16-Apr-91	14:51:54	1.8259	0.021
33344.619374	0.619374	13.254	16-Apr-91	14:51:54	1.8288	0.021
33344.619377	0.619377	13.254	16-Apr-91	14:51:54	1.8331	0.021
33344.61938	0.61938	13.254	16-Apr-91	14:51:54	1.8374	0.021
33344.619382	0.619382	13.254	16-Apr-91	14:51:55	1.8403	0.021
33344.619385	0.619385	13.254	16-Apr-91	14:51:55	1.8446	0.021
33344.61939	0.61939	13.254	16-Apr-91	14:51:55	1.8518	0.021
33344.619392	0.619392	13.254	16-Apr-91	14:51:55	1.8547	0.021
33344.619396	0.619396	13.254	16-Apr-91	14:51:56	1.8605	0.021
33344.619398	0.619398	13.254	16-Apr-91	14:51:56	1.8634	0.021
33344.6194	0.6194	13.254	16-Apr-91	14:51:56	1.8662	0.021
33344.619404	0.619404	13.254	16-Apr-91	14:51:57	1.8720	0.021
33344.619409	0.619409	13.254	16-Apr-91	14:51:57	1.8792	0.021
33344.619411	0.619411	13.254	16-Apr-91	14:51:57	1.8821	0.021
33344.619414	0.619414	13.254	16-Apr-91	14:51:57	1.8864	0.021
33344.619417	0.619417	13.254	16-Apr-91	14:51:58	1.8907	0.021
33344.619419	0.619419	13.254	16-Apr-91	14:51:58	1.8936	0.021
33344.619422	0.619422	13.254	16-Apr-91	14:51:58	1.8979	0.021

33344.619427	0.619427	13.246	16-Apr-91	14:51:58	1.9051	0.029
33344.619429	0.619429	13.254	16-Apr-91	14:51:59	1.9080	0.021
33344.619433	0.619433	13.254	16-Apr-91	14:51:59	1.9138	0.021
33344.619435	0.619435	13.254	16-Apr-91	14:51:59	1.9166	0.021
33344.619437	0.619437	13.246	16-Apr-91	14:51:59	1.9195	0.029
33344.619441	0.619441	13.254	16-Apr-91	14:52:00	1.9253	0.021
33344.619446	0.619446	13.254	16-Apr-91	14:52:00	1.9325	0.021
33344.619448	0.619448	13.254	16-Apr-91	14:52:00	1.9354	0.021
33344.619451	0.619451	13.254	16-Apr-91	14:52:01	1.9397	0.021
33344.619454	0.619454	13.254	16-Apr-91	14:52:01	1.9440	0.021


Bouwer & Rice Slug Test Plot
Well MW-14 -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-14s

Initial DTW (bgs) @ time < 0:	25.1	(feet)
Depth to top of sandpack:	15.5	(feet)
Depth to top of screen:	18.0	(feet)
H = Initial head @ time < 0:	11.49	(feet)
H(0)= Maximum head (@ t ~ 0):	2.79	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	12.9	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	13.9	(feet)
Length watertable to bottom of sandpack:	12.9	(feet)
b = Aquifer saturated thickness:	12.9	(feet)
Partial Penetration (Y/N):	N	

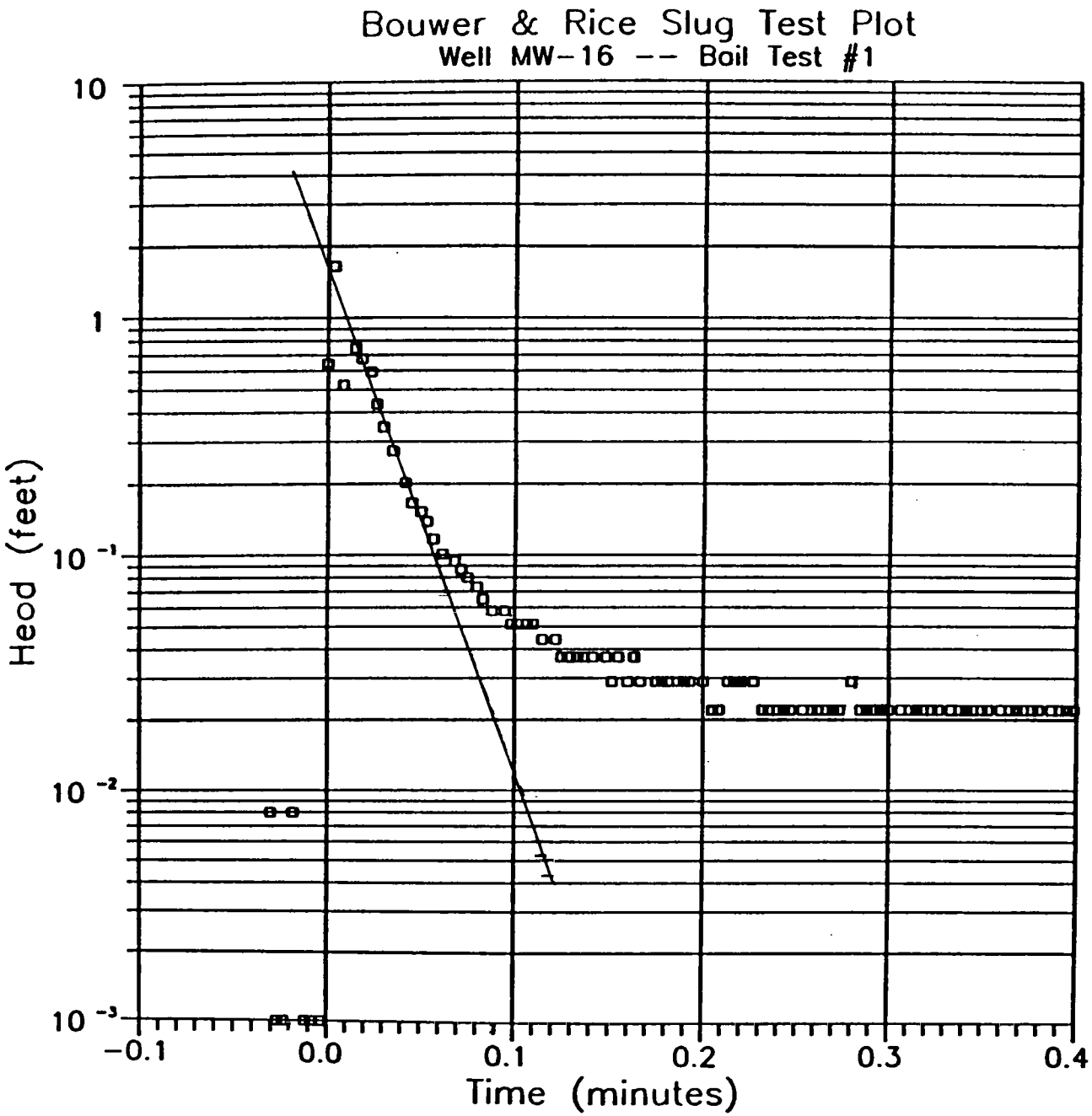
Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

Test Start Date >>>>>>	09-Dec-91
Test Start Time >>>>>>	15:59:01
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	11.485

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33581.66594	0.66594	11.485	09-Dec-91	15:58:57	-0.0562	0.000	
33581.665942	0.665942	11.485	09-Dec-91	15:58:57	-0.0533	0.000	
33581.665944	0.665944	11.492	09-Dec-91	15:58:58	-0.0504	0.007	
33581.665949	0.665949	11.485	09-Dec-91	15:58:58	-0.0432	0.000	
33581.665953	0.665953	11.485	09-Dec-91	15:58:58	-0.0374	0.000	
33581.665955	0.665955	11.485	09-Dec-91	15:58:59	-0.0346	0.000	
33581.665958	0.665958	11.485	09-Dec-91	15:58:59	-0.0302	0.000	
33581.665961	0.665961	11.485	09-Dec-91	15:58:59	-0.0259	0.000	
33581.665963	0.665963	11.485	09-Dec-91	15:58:59	-0.0230	0.000	
33581.665966	0.665966	11.485	09-Dec-91	15:58:59	-0.0187	0.000	
33581.665971	0.665971	11.492	09-Dec-91	15:59:00	-0.0115	0.007	
33581.665973	0.665973	11.492	09-Dec-91	15:59:00	-0.0086	0.007	
33581.665976	0.665976	11.435	09-Dec-91	15:59:00	-0.0043	0.050	
33581.665979	0.665979	10.612	09-Dec-91	15:59:01	0.0000	0.873	Start bail test
33581.665981	0.665981	9.0234	09-Dec-91	15:59:01	0.0029	2.462	
33581.665984	0.665984	8.8069	09-Dec-91	15:59:01	0.0072	2.678	
33581.665987	0.665987	8.6986	09-Dec-91	15:59:01	0.0115	2.786	
33581.665992	0.665992	9.8175	09-Dec-91	15:59:02	0.0187	1.667	
33581.665994	0.665994	10.258	09-Dec-91	15:59:02	0.0216	1.227	

33581.665997	0.665997	10.799	09-Dec-91	15:59:02	0.0259	0.686
33581.666	0.666	10.648	09-Dec-91	15:59:02	0.0302	0.837
33581.666002	0.666002	10.879	09-Dec-91	15:59:03	0.0331	0.606
33581.666005	0.666005	11.059	09-Dec-91	15:59:03	0.0374	0.426
33581.666008	0.666008	11.182	09-Dec-91	15:59:03	0.0418	0.303
33581.666013	0.666013	11.297	09-Dec-91	15:59:04	0.0490	0.188
33581.666015	0.666015	11.333	09-Dec-91	15:59:04	0.0518	0.152
33581.666019	0.666019	11.362	09-Dec-91	15:59:04	0.0576	0.123
33581.666021	0.666021	11.384	09-Dec-91	15:59:04	0.0605	0.101
33581.666023	0.666023	11.398	09-Dec-91	15:59:04	0.0634	0.087
33581.666027	0.666027	11.406	09-Dec-91	15:59:05	0.0691	0.079
33581.666029	0.666029	11.413	09-Dec-91	15:59:05	0.0720	0.072
33581.666034	0.666034	11.42	09-Dec-91	15:59:05	0.0792	0.065
33581.666036	0.666036	11.42	09-Dec-91	15:59:06	0.0821	0.065
33581.666039	0.666039	11.42	09-Dec-91	15:59:06	0.0864	0.065
33581.666042	0.666042	11.42	09-Dec-91	15:59:06	0.0907	0.065
33581.666044	0.666044	11.42	09-Dec-91	15:59:06	0.0936	0.065
33581.666047	0.666047	11.42	09-Dec-91	15:59:06	0.0979	0.065
33581.66605	0.66605	11.427	09-Dec-91	15:59:07	0.1022	0.058
33581.666054	0.666054	11.427	09-Dec-91	15:59:07	0.1080	0.058
33581.666057	0.666057	11.435	09-Dec-91	15:59:07	0.1123	0.050
33581.66606	0.66606	11.435	09-Dec-91	15:59:08	0.1166	0.050
33581.666063	0.666063	11.435	09-Dec-91	15:59:08	0.1210	0.050
33581.666066	0.666066	11.427	09-Dec-91	15:59:08	0.1253	0.058
33581.666068	0.666068	11.442	09-Dec-91	15:59:08	0.1282	0.043
33581.666071	0.666071	11.442	09-Dec-91	15:59:09	0.1325	0.043
33581.666075	0.666075	11.442	09-Dec-91	15:59:09	0.1382	0.043
33581.666079	0.666079	11.442	09-Dec-91	15:59:09	0.1440	0.043
33581.666081	0.666081	11.442	09-Dec-91	15:59:09	0.1469	0.043
33581.666083	0.666083	11.442	09-Dec-91	15:59:10	0.1498	0.043
33581.666087	0.666087	11.442	09-Dec-91	15:59:10	0.1555	0.043
33581.666089	0.666089	11.449	09-Dec-91	15:59:10	0.1584	0.036
33581.666091	0.666091	11.442	09-Dec-91	15:59:10	0.1613	0.043
33581.666096	0.666096	11.442	09-Dec-91	15:59:11	0.1685	0.043
33581.6661	0.6661	11.449	09-Dec-91	15:59:11	0.1742	0.036
33581.666102	0.666102	11.449	09-Dec-91	15:59:11	0.1771	0.036
33581.666104	0.666104	11.456	09-Dec-91	15:59:11	0.1800	0.029
33581.666108	0.666108	11.456	09-Dec-91	15:59:12	0.1858	0.029
33581.66611	0.66611	11.456	09-Dec-91	15:59:12	0.1886	0.029
33581.666112	0.666112	11.456	09-Dec-91	15:59:12	0.1915	0.029
33581.666118	0.666118	11.471	09-Dec-91	15:59:13	0.2002	0.014
33581.66612	0.66612	11.463	09-Dec-91	15:59:13	0.2030	0.022
33581.666123	0.666123	11.463	09-Dec-91	15:59:13	0.2074	0.022
33581.666126	0.666126	11.471	09-Dec-91	15:59:13	0.2117	0.014
33581.666128	0.666128	11.463	09-Dec-91	15:59:13	0.2146	0.022
33581.666131	0.666131	11.471	09-Dec-91	15:59:14	0.2189	0.014
33581.666134	0.666134	11.471	09-Dec-91	15:59:14	0.2232	0.014

33581.666139	0.666139	11.471	09-Dec-91	15:59:14	0.2304	0.014
33581.666141	0.666141	11.471	09-Dec-91	15:59:15	0.2333	0.014
33581.666144	0.666144	11.478	09-Dec-91	15:59:15	0.2376	0.007
33581.666147	0.666147	11.478	09-Dec-91	15:59:15	0.2419	0.007
33581.666149	0.666149	11.478	09-Dec-91	15:59:15	0.2448	0.007
33581.666152	0.666152	11.478	09-Dec-91	15:59:16	0.2491	0.007
33581.666155	0.666155	11.478	09-Dec-91	15:59:16	0.2534	0.007
33581.66616	0.66616	11.485	09-Dec-91	15:59:16	0.2606	0.000
33581.666162	0.666162	11.485	09-Dec-91	15:59:16	0.2635	0.000
33581.666164	0.666164	11.485	09-Dec-91	15:59:17	0.2664	0.000
33581.666168	0.666168	11.485	09-Dec-91	15:59:17	0.2722	0.000
33581.66617	0.66617	11.492	09-Dec-91	15:59:17	0.2750	0.007
33581.666174	0.666174	11.449	09-Dec-91	15:59:17	0.2808	0.036


Bouwer & Rice Slug Test Plot
Well MW-16 -- Bail Test #1
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

reject: McCormick & Baxter RI/FS
Well No.: MW-16s

Initial DTW (bgs) @ time < 0:	22.5	(feet)
Depth to top of sandpack:	7.4	(feet)
Depth to top of screen:	9.0	(feet)
H = Initial head @ time < 0:	6.09	(feet)
H(0)= Maximum head (@ t ~ 0):	1.65	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	22.6	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	7.5	(feet)
Length watertable to bottom of sandpack:	7.5	(feet)
b = Aquifer saturated thickness:	6.5	(feet)
Partial Penetration (Y/N):	N	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	12:21:32
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	6.0926

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.514939	0.514939	6.0854	16-Apr-91	12:21:31	-0.0288	0.007	
33344.514941	0.514941	6.0926	16-Apr-91	12:21:31	-0.0259	0.000	
33344.514943	0.514943	6.0926	16-Apr-91	12:21:31	-0.0230	0.000	
33344.514947	0.514947	6.0854	16-Apr-91	12:21:31	-0.0173	0.007	
33344.514951	0.514951	6.0926	16-Apr-91	12:21:32	-0.0115	0.000	
33344.514954	0.514954	6.0926	16-Apr-91	12:21:32	-0.0072	0.000	
33344.514957	0.514957	6.0926	16-Apr-91	12:21:32	-0.0029	0.000	
33344.514959	0.514959	5.4502	16-Apr-91	12:21:32	0.0000	0.642	
33344.514962	0.514962	4.4468	16-Apr-91	12:21:33	0.0043	1.646	
33344.514965	0.514965	5.5729	16-Apr-91	12:21:33	0.0086	0.520	
33344.51497	0.51497	5.3491	16-Apr-91	12:21:33	0.0158	0.744	
33344.514972	0.514972	5.4213	16-Apr-91	12:21:34	0.0187	0.671	
33344.514976	0.514976	5.5007	16-Apr-91	12:21:34	0.0245	0.592	
33344.514978	0.514978	5.6595	16-Apr-91	12:21:34	0.0274	0.433	
33344.51498	0.51498	5.7461	16-Apr-91	12:21:34	0.0302	0.346	
33344.514984	0.514984	5.8183	16-Apr-91	12:21:35	0.0360	0.274	Start bail test
33344.514988	0.514988	5.8905	16-Apr-91	12:21:35	0.0418	0.202	
33344.514991	0.514991	5.9266	16-Apr-91	12:21:35	0.0461	0.166	
33344.514994	0.514994	5.941	16-Apr-91	12:21:35	0.0504	0.152	

33344.514997	0.514997	5.9555	16-Apr-91	12:21:36	0.0547	0.137
33344.514999	0.514999	5.9771	16-Apr-91	12:21:36	0.0576	0.115
33344.515002	0.515002	5.9916	16-Apr-91	12:21:36	0.0619	0.101
33344.515007	0.515007	5.9988	16-Apr-91	12:21:37	0.0691	0.094
33344.515009	0.515009	6.006	16-Apr-91	12:21:37	0.0720	0.087
33344.515012	0.515012	6.0132	16-Apr-91	12:21:37	0.0763	0.079
33344.515015	0.515015	6.0204	16-Apr-91	12:21:37	0.0806	0.072
33344.515017	0.515017	6.0277	16-Apr-91	12:21:37	0.0835	0.065
33344.515021	0.515021	6.0349	16-Apr-91	12:21:38	0.0893	0.058
33344.515025	0.515025	6.0349	16-Apr-91	12:21:38	0.0950	0.058
33344.515028	0.515028	6.0421	16-Apr-91	12:21:38	0.0994	0.051
33344.51503	0.51503	6.0421	16-Apr-91	12:21:39	0.1022	0.051
33344.515034	0.515034	6.0421	16-Apr-91	12:21:39	0.1080	0.051
33344.515036	0.515036	6.0421	16-Apr-91	12:21:39	0.1109	0.051
33344.515039	0.515039	6.0493	16-Apr-91	12:21:39	0.1152	0.043
33344.515044	0.515044	6.0493	16-Apr-91	12:21:40	0.1224	0.043
33344.515046	0.515046	6.0565	16-Apr-91	12:21:40	0.1253	0.036
33344.515049	0.515049	6.0565	16-Apr-91	12:21:40	0.1296	0.036
33344.515052	0.515052	6.0565	16-Apr-91	12:21:40	0.1339	0.036
33344.515054	0.515054	6.0565	16-Apr-91	12:21:41	0.1368	0.036
33344.515058	0.515058	6.0565	16-Apr-91	12:21:41	0.1426	0.036
33344.515062	0.515062	6.0565	16-Apr-91	12:21:41	0.1483	0.036
33344.515065	0.515065	6.0638	16-Apr-91	12:21:42	0.1526	0.029
33344.515067	0.515067	6.0565	16-Apr-91	12:21:42	0.1555	0.036
33344.515071	0.515071	6.0638	16-Apr-91	12:21:42	0.1613	0.029
33344.515073	0.515073	6.0565	16-Apr-91	12:21:42	0.1642	0.036
33344.515075	0.515075	6.0638	16-Apr-91	12:21:42	0.1670	0.029
33344.515081	0.515081	6.0638	16-Apr-91	12:21:43	0.1757	0.029
33344.515083	0.515083	6.0638	16-Apr-91	12:21:43	0.1786	0.029
33344.515086	0.515086	6.0638	16-Apr-91	12:21:43	0.1829	0.029
33344.515089	0.515089	6.0638	16-Apr-91	12:21:44	0.1872	0.029
33344.515091	0.515091	6.0638	16-Apr-91	12:21:44	0.1901	0.029
33344.515094	0.515094	6.0638	16-Apr-91	12:21:44	0.1944	0.029
33344.515098	0.515098	6.0638	16-Apr-91	12:21:44	0.2002	0.029
33344.515102	0.515102	6.071	16-Apr-91	12:21:45	0.2059	0.022
33344.515104	0.515104	6.071	16-Apr-91	12:21:45	0.2088	0.022
33344.515108	0.515108	6.0638	16-Apr-91	12:21:45	0.2146	0.029
33344.51511	0.51511	6.0638	16-Apr-91	12:21:46	0.2174	0.029
33344.515112	0.515112	6.0638	16-Apr-91	12:21:46	0.2203	0.029
33344.515117	0.515117	6.0638	16-Apr-91	12:21:46	0.2275	0.029
33344.51512	0.51512	6.071	16-Apr-91	12:21:46	0.2318	0.022
33344.515123	0.515123	6.071	16-Apr-91	12:21:47	0.2362	0.022
33344.515126	0.515126	6.071	16-Apr-91	12:21:47	0.2405	0.022
33344.515128	0.515128	6.071	16-Apr-91	12:21:47	0.2434	0.022
33344.515131	0.515131	6.071	16-Apr-91	12:21:47	0.2477	0.022
33344.515135	0.515135	6.071	16-Apr-91	12:21:48	0.2534	0.022
33344.515139	0.515139	6.071	16-Apr-91	12:21:48	0.2592	0.022

33344.515141	0.515141	6.071	16-Apr-91	12:21:48	0.2621	0.022
33344.515145	0.515145	6.071	16-Apr-91	12:21:49	0.2678	0.022
33344.515147	0.515147	6.071	16-Apr-91	12:21:49	0.2707	0.022
33344.515149	0.515149	6.071	16-Apr-91	12:21:49	0.2736	0.022
33344.515154	0.515154	6.0638	16-Apr-91	12:21:49	0.2808	0.029
33344.515157	0.515157	6.071	16-Apr-91	12:21:50	0.2851	0.022
33344.51516	0.51516	6.071	16-Apr-91	12:21:50	0.2894	0.022
33344.515162	0.515162	6.071	16-Apr-91	12:21:50	0.2923	0.022
33344.515166	0.515166	6.071	16-Apr-91	12:21:50	0.2981	0.022
33344.515168	0.515168	6.071	16-Apr-91	12:21:51	0.3010	0.022
33344.515172	0.515172	6.071	16-Apr-91	12:21:51	0.3067	0.022
33344.515176	0.515176	6.071	16-Apr-91	12:21:51	0.3125	0.022
33344.515178	0.515178	6.071	16-Apr-91	12:21:51	0.3154	0.022
33344.515181	0.515181	6.071	16-Apr-91	12:21:52	0.3197	0.022
33344.515184	0.515184	6.071	16-Apr-91	12:21:52	0.3240	0.022
33344.515186	0.515186	6.071	16-Apr-91	12:21:52	0.3269	0.022
33344.515191	0.515191	6.071	16-Apr-91	12:21:53	0.3341	0.022
33344.515194	0.515194	6.071	16-Apr-91	12:21:53	0.3384	0.022
33344.515197	0.515197	6.071	16-Apr-91	12:21:53	0.3427	0.022
33344.515199	0.515199	6.071	16-Apr-91	12:21:53	0.3456	0.022
33344.515203	0.515203	6.071	16-Apr-91	12:21:54	0.3514	0.022
33344.515205	0.515205	6.071	16-Apr-91	12:21:54	0.3542	0.022
33344.515209	0.515209	6.071	16-Apr-91	12:21:54	0.3600	0.022
33344.515213	0.515213	6.071	16-Apr-91	12:21:54	0.3658	0.022
33344.515215	0.515215	6.071	16-Apr-91	12:21:55	0.3686	0.022
33344.515218	0.515218	6.071	16-Apr-91	12:21:55	0.3730	0.022
33344.515221	0.515221	6.071	16-Apr-91	12:21:55	0.3773	0.022
33344.515223	0.515223	6.071	16-Apr-91	12:21:55	0.3802	0.022
33344.515228	0.515228	6.071	16-Apr-91	12:21:56	0.3874	0.022
33344.515231	0.515231	6.071	16-Apr-91	12:21:56	0.3917	0.022
33344.515234	0.515234	6.071	16-Apr-91	12:21:56	0.3960	0.022
33344.515236	0.515236	6.071	16-Apr-91	12:21:56	0.3989	0.022
33344.51524	0.51524	6.071	16-Apr-91	12:21:57	0.4046	0.022
33344.515242	0.515242	6.071	16-Apr-91	12:21:57	0.4075	0.022
33344.515247	0.515247	6.071	16-Apr-91	12:21:57	0.4147	0.022
33344.515249	0.515249	6.071	16-Apr-91	12:21:58	0.4176	0.022
33344.515252	0.515252	6.0782	16-Apr-91	12:21:58	0.4219	0.014
33344.515255	0.515255	6.071	16-Apr-91	12:21:58	0.4262	0.022
33344.515258	0.515258	6.071	16-Apr-91	12:21:58	0.4306	0.022
33344.51526	0.51526	6.071	16-Apr-91	12:21:58	0.4334	0.022
33344.515265	0.515265	6.071	16-Apr-91	12:21:59	0.4406	0.022
33344.515267	0.515267	6.071	16-Apr-91	12:21:59	0.4435	0.022
33344.515271	0.515271	6.071	16-Apr-91	12:21:59	0.4493	0.022
33344.515273	0.515273	6.071	16-Apr-91	12:22:00	0.4522	0.022
33344.515277	0.515277	6.071	16-Apr-91	12:22:00	0.4579	0.022
33344.515279	0.515279	6.071	16-Apr-91	12:22:00	0.4608	0.022
33344.515284	0.515284	6.071	16-Apr-91	12:22:01	0.4680	0.022

33344.515286	0.515286	6.071	16-Apr-91	12:22:01	0.4709	0.022
33344.515289	0.515289	6.071	16-Apr-91	12:22:01	0.4752	0.022
33344.515292	0.515292	6.071	16-Apr-91	12:22:01	0.4795	0.022
33344.515294	0.515294	6.071	16-Apr-91	12:22:01	0.4824	0.022
33344.515297	0.515297	6.071	16-Apr-91	12:22:02	0.4867	0.022
33344.515302	0.515302	6.0782	16-Apr-91	12:22:02	0.4939	0.014
33344.515304	0.515304	6.0782	16-Apr-91	12:22:02	0.4968	0.014
33344.515308	0.515308	6.0782	16-Apr-91	12:22:03	0.5026	0.014
33344.51531	0.51531	6.071	16-Apr-91	12:22:03	0.5054	0.022
33344.515312	0.515312	6.0782	16-Apr-91	12:22:03	0.5083	0.014
33344.515316	0.515316	6.0782	16-Apr-91	12:22:03	0.5141	0.014
33344.515321	0.515321	6.0782	16-Apr-91	12:22:04	0.5213	0.014
33344.515323	0.515323	6.071	16-Apr-91	12:22:04	0.5242	0.022
33344.515326	0.515326	6.071	16-Apr-91	12:22:04	0.5285	0.022
33344.515329	0.515329	6.071	16-Apr-91	12:22:04	0.5328	0.022
33344.515331	0.515331	6.071	16-Apr-91	12:22:05	0.5357	0.022
33344.515334	0.515334	6.071	16-Apr-91	12:22:05	0.5400	0.022
33344.515339	0.515339	6.071	16-Apr-91	12:22:05	0.5472	0.022
33344.515341	0.515341	6.0782	16-Apr-91	12:22:05	0.5501	0.014
33344.515345	0.515345	6.071	16-Apr-91	12:22:06	0.5558	0.022
33344.515347	0.515347	6.071	16-Apr-91	12:22:06	0.5587	0.022
33344.51535	0.51535	6.0782	16-Apr-91	12:22:06	0.5630	0.014
33344.515353	0.515353	6.0782	16-Apr-91	12:22:06	0.5674	0.014
33344.515358	0.515358	6.071	16-Apr-91	12:22:07	0.5746	0.022
33344.51536	0.51536	6.0782	16-Apr-91	12:22:07	0.5774	0.014
33344.515363	0.515363	6.0782	16-Apr-91	12:22:07	0.5818	0.014
33344.515366	0.515366	6.0782	16-Apr-91	12:22:08	0.5861	0.014
33344.515368	0.515368	6.071	16-Apr-91	12:22:08	0.5890	0.022
33344.515372	0.515372	6.0782	16-Apr-91	12:22:08	0.5947	0.014
33344.515376	0.515376	6.0782	16-Apr-91	12:22:08	0.6005	0.014
33344.515378	0.515378	6.0782	16-Apr-91	12:22:09	0.6034	0.014
33344.515381	0.515381	6.0782	16-Apr-91	12:22:09	0.6077	0.014
33344.515384	0.515384	6.0782	16-Apr-91	12:22:09	0.6120	0.014
33344.515387	0.515387	6.0782	16-Apr-91	12:22:09	0.6163	0.014
33344.51539	0.51539	6.071	16-Apr-91	12:22:10	0.6206	0.022
33344.515395	0.515395	6.0782	16-Apr-91	12:22:10	0.6278	0.014
33344.515397	0.515397	6.071	16-Apr-91	12:22:10	0.6307	0.022
33344.515399	0.515399	6.0782	16-Apr-91	12:22:10	0.6336	0.014
33344.515403	0.515403	6.0782	16-Apr-91	12:22:11	0.6394	0.014
33344.515405	0.515405	6.0782	16-Apr-91	12:22:11	0.6422	0.014
33344.515409	0.515409	6.0782	16-Apr-91	12:22:11	0.6480	0.014
33344.515413	0.515413	6.0782	16-Apr-91	12:22:12	0.6538	0.014
33344.515416	0.515416	6.0782	16-Apr-91	12:22:12	0.6581	0.014
33344.515418	0.515418	6.0854	16-Apr-91	12:22:12	0.6610	0.007
33344.515421	0.515421	6.0782	16-Apr-91	12:22:12	0.6653	0.014
33344.515424	0.515424	6.0782	16-Apr-91	12:22:13	0.6696	0.014
33344.515427	0.515427	6.0782	16-Apr-91	12:22:13	0.6739	0.014

33344.515432	0.515432	6.071	16-Apr-91	12:22:13	0.6811	0.022
33344.515434	0.515434	6.0782	16-Apr-91	12:22:13	0.6840	0.014
33344.515436	0.515436	6.0782	16-Apr-91	12:22:14	0.6869	0.014
33344.51544	0.51544	6.0782	16-Apr-91	12:22:14	0.6926	0.014
33344.515442	0.515442	6.0782	16-Apr-91	12:22:14	0.6955	0.014
33344.515444	0.515444	6.071	16-Apr-91	12:22:14	0.6984	0.022
33344.51545	0.51545	6.0782	16-Apr-91	12:22:15	0.7070	0.014
33344.515453	0.515453	6.0782	16-Apr-91	12:22:15	0.7114	0.014
33344.515455	0.515455	6.0782	16-Apr-91	12:22:15	0.7142	0.014
33344.515458	0.515458	6.0854	16-Apr-91	12:22:16	0.7186	0.007
33344.515461	0.515461	6.0782	16-Apr-91	12:22:16	0.7229	0.014
33344.515463	0.515463	6.0782	16-Apr-91	12:22:16	0.7258	0.014
33344.515469	0.515469	6.0782	16-Apr-91	12:22:17	0.7344	0.014
33344.515471	0.515471	6.0782	16-Apr-91	12:22:17	0.7373	0.014
33344.515473	0.515473	6.0782	16-Apr-91	12:22:17	0.7402	0.014
33344.515477	0.515477	6.0782	16-Apr-91	12:22:17	0.7459	0.014
33344.515479	0.515479	6.0782	16-Apr-91	12:22:17	0.7488	0.014
33344.515481	0.515481	6.0782	16-Apr-91	12:22:18	0.7517	0.014
33344.515486	0.515486	6.0782	16-Apr-91	12:22:18	0.7589	0.014
33344.51549	0.51549	6.0782	16-Apr-91	12:22:18	0.7646	0.014
33344.515492	0.515492	6.0782	16-Apr-91	12:22:19	0.7675	0.014
33344.515495	0.515495	6.0782	16-Apr-91	12:22:19	0.7718	0.014
33344.515498	0.515498	6.0782	16-Apr-91	12:22:19	0.7762	0.014
33344.5155	0.5155	6.0782	16-Apr-91	12:22:19	0.7790	0.014
33344.515505	0.515505	6.0782	16-Apr-91	12:22:20	0.7862	0.014
33344.515508	0.515508	6.0782	16-Apr-91	12:22:20	0.7906	0.014
33344.51551	0.51551	6.0782	16-Apr-91	12:22:20	0.7934	0.014
33344.515514	0.515514	6.0782	16-Apr-91	12:22:20	0.7992	0.014
33344.515516	0.515516	6.0782	16-Apr-91	12:22:21	0.8021	0.014
33344.515519	0.515519	6.0782	16-Apr-91	12:22:21	0.8064	0.014
33344.515523	0.515523	6.0782	16-Apr-91	12:22:21	0.8122	0.014
33344.515527	0.515527	6.0782	16-Apr-91	12:22:22	0.8179	0.014
33344.515529	0.515529	6.0782	16-Apr-91	12:22:22	0.8208	0.014
33344.515532	0.515532	6.0782	16-Apr-91	12:22:22	0.8251	0.014
33344.515535	0.515535	6.0782	16-Apr-91	12:22:22	0.8294	0.014
33344.515537	0.515537	6.0782	16-Apr-91	12:22:22	0.8323	0.014
33344.515542	0.515542	6.0782	16-Apr-91	12:22:23	0.8395	0.014
33344.515545	0.515545	6.0782	16-Apr-91	12:22:23	0.8438	0.014
33344.515547	0.515547	6.0782	16-Apr-91	12:22:23	0.8467	0.014
33344.51555	0.51555	6.0782	16-Apr-91	12:22:24	0.8510	0.014
33344.515553	0.515553	6.0782	16-Apr-91	12:22:24	0.8554	0.014
33344.515556	0.515556	6.0782	16-Apr-91	12:22:24	0.8597	0.014
33344.51556	0.51556	6.0782	16-Apr-91	12:22:24	0.8654	0.014
33344.515564	0.515564	6.0782	16-Apr-91	12:22:25	0.8712	0.014
33344.515566	0.515566	6.0782	16-Apr-91	12:22:25	0.8741	0.014
33344.515568	0.515568	6.0782	16-Apr-91	12:22:25	0.8770	0.014
33344.515572	0.515572	6.0782	16-Apr-91	12:22:25	0.8827	0.014

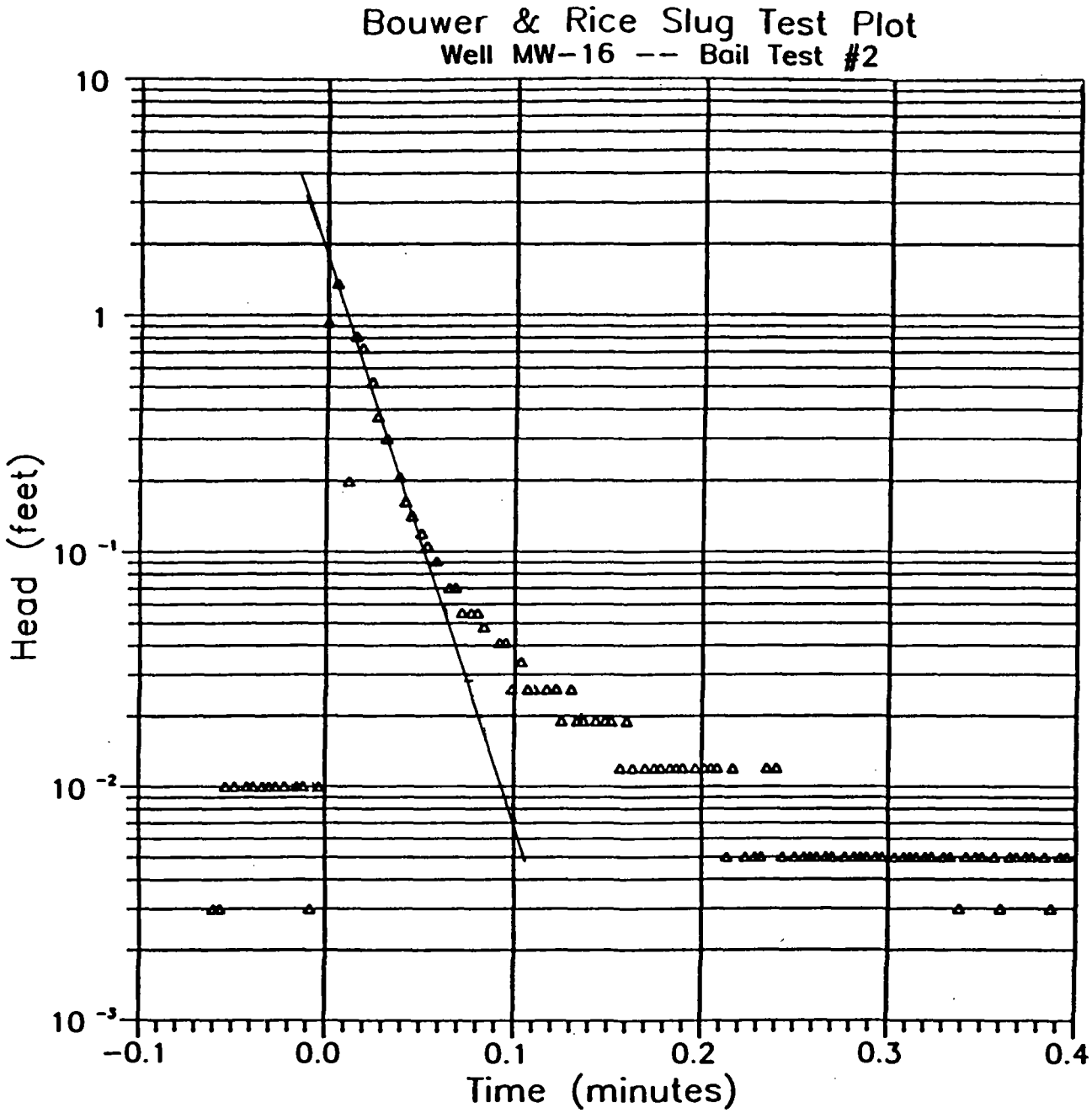
33344.515574	0.515574	6.0782	16-Apr-91	12:22:26	0.8856	0.014
33344.515579	0.515579	6.0782	16-Apr-91	12:22:26	0.8928	0.014
33344.515582	0.515582	6.0782	16-Apr-91	12:22:26	0.8971	0.014
33344.515584	0.515584	6.0782	16-Apr-91	12:22:26	0.9000	0.014
33344.515587	0.515587	6.0782	16-Apr-91	12:22:27	0.9043	0.014
33344.51559	0.51559	6.0782	16-Apr-91	12:22:27	0.9086	0.014
33344.515593	0.515593	6.0782	16-Apr-91	12:22:27	0.9130	0.014
33344.515597	0.515597	6.0782	16-Apr-91	12:22:28	0.9187	0.014
33344.515601	0.515601	6.0782	16-Apr-91	12:22:28	0.9245	0.014
33344.515603	0.515603	6.0782	16-Apr-91	12:22:28	0.9274	0.014
33344.515605	0.515605	6.0782	16-Apr-91	12:22:28	0.9302	0.014
33344.515609	0.515609	6.0782	16-Apr-91	12:22:29	0.9360	0.014
33344.515611	0.515611	6.0782	16-Apr-91	12:22:29	0.9389	0.014
33344.515616	0.515616	6.0782	16-Apr-91	12:22:29	0.9461	0.014
33344.515619	0.515619	6.0782	16-Apr-91	12:22:29	0.9504	0.014
33344.515622	0.515622	6.0782	16-Apr-91	12:22:30	0.9547	0.014
33344.515624	0.515624	6.0782	16-Apr-91	12:22:30	0.9576	0.014
33344.515627	0.515627	6.0782	16-Apr-91	12:22:30	0.9619	0.014
33344.51563	0.51563	6.0782	16-Apr-91	12:22:30	0.9662	0.014
33344.515634	0.515634	6.0782	16-Apr-91	12:22:31	0.9720	0.014
33344.515638	0.515638	6.0782	16-Apr-91	12:22:31	0.9778	0.014
33344.51564	0.51564	6.0782	16-Apr-91	12:22:31	0.9806	0.014
33344.515642	0.515642	6.0782	16-Apr-91	12:22:31	0.9835	0.014
33344.515646	0.515646	6.0782	16-Apr-91	12:22:32	0.9893	0.014
33344.515648	0.515648	6.0782	16-Apr-91	12:22:32	0.9922	0.014
33344.515653	0.515653	6.0782	16-Apr-91	12:22:32	0.9994	0.014
33344.515655	0.515655	6.0782	16-Apr-91	12:22:33	1.0022	0.014
33344.515659	0.515659	6.0782	16-Apr-91	12:22:33	1.0080	0.014
33344.515661	0.515661	6.0782	16-Apr-91	12:22:33	1.0109	0.014
33344.515664	0.515664	6.0782	16-Apr-91	12:22:33	1.0152	0.014
33344.515667	0.515667	6.0782	16-Apr-91	12:22:34	1.0195	0.014
33344.515671	0.515671	6.0782	16-Apr-91	12:22:34	1.0253	0.014
33344.515674	0.515674	6.0782	16-Apr-91	12:22:34	1.0296	0.014
33344.515677	0.515677	6.0782	16-Apr-91	12:22:34	1.0339	0.014
33344.515679	0.515679	6.0782	16-Apr-91	12:22:35	1.0368	0.014
33344.515683	0.515683	6.0782	16-Apr-91	12:22:35	1.0426	0.014
33344.515685	0.515685	6.0782	16-Apr-91	12:22:35	1.0454	0.014
33344.516213	0.516213	6.071	16-Apr-91	12:23:21	1.8058	0.022
33344.516221	0.516221	6.0782	16-Apr-91	12:23:21	1.8173	0.014
33344.516233	0.516233	6.071	16-Apr-91	12:23:23	1.8346	0.022
33344.516244	0.516244	6.071	16-Apr-91	12:23:23	1.8504	0.022
33344.516256	0.516256	6.071	16-Apr-91	12:23:25	1.8677	0.022
33344.516267	0.516267	6.071	16-Apr-91	12:23:25	1.8835	0.022
33344.516279	0.516279	6.0782	16-Apr-91	12:23:27	1.9008	0.014
33344.516291	0.516291	6.071	16-Apr-91	12:23:28	1.9181	0.022
33344.516302	0.516302	6.071	16-Apr-91	12:23:28	1.9339	0.022
33344.516314	0.516314	6.071	16-Apr-91	12:23:30	1.9512	0.022

33344.516325	0.516325	6.071	16-Apr-91	12:23:30	1.9670	0.022
33344.516338	0.516338	6.0782	16-Apr-91	12:23:32	1.9858	0.014
33344.516348	0.516348	6.071	16-Apr-91	12:23:32	2.0002	0.022
33344.51636	0.51636	6.071	16-Apr-91	12:23:34	2.0174	0.022
33344.516373	0.516373	6.071	16-Apr-91	12:23:35	2.0362	0.022
33344.516383	0.516383	6.071	16-Apr-91	12:23:35	2.0506	0.022
33344.516395	0.516395	6.071	16-Apr-91	12:23:37	2.0678	0.022
33344.516406	0.516406	6.071	16-Apr-91	12:23:37	2.0837	0.022
33344.516418	0.516418	6.0782	16-Apr-91	12:23:39	2.1010	0.014
33344.516429	0.516429	6.071	16-Apr-91	12:23:39	2.1168	0.022
33344.516441	0.516441	6.0782	16-Apr-91	12:23:41	2.1341	0.014
33344.516453	0.516453	6.071	16-Apr-91	12:23:42	2.1514	0.022
33344.516464	0.516464	6.071	16-Apr-91	12:23:42	2.1672	0.022
33344.516476	0.516476	6.0782	16-Apr-91	12:23:44	2.1845	0.014
33344.516487	0.516487	6.071	16-Apr-91	12:23:44	2.2003	0.022
33344.516499	0.516499	6.0782	16-Apr-91	12:23:46	2.2176	0.014
33344.516512	0.516512	6.071	16-Apr-91	12:23:47	2.2363	0.022
33344.516522	0.516522	6.071	16-Apr-91	12:23:48	2.2507	0.022
33344.516534	0.516534	6.071	16-Apr-91	12:23:49	2.2680	0.022
33344.516545	0.516545	6.071	16-Apr-91	12:23:49	2.2838	0.022
33344.516557	0.516557	6.071	16-Apr-91	12:23:51	2.3011	0.022
33344.516568	0.516568	6.071	16-Apr-91	12:23:51	2.3170	0.022
33344.51658	0.51658	6.0782	16-Apr-91	12:23:53	2.3342	0.014
33344.516591	0.516591	6.0782	16-Apr-91	12:23:53	2.3501	0.014
33344.516603	0.516603	6.071	16-Apr-91	12:23:54	2.3674	0.022
33344.516616	0.516616	6.071	16-Apr-91	12:23:56	2.3861	0.022
33344.516626	0.516626	6.071	16-Apr-91	12:23:56	2.4005	0.022
33344.516638	0.516638	6.071	16-Apr-91	12:23:58	2.4178	0.022
33344.516649	0.516649	6.071	16-Apr-91	12:23:58	2.4336	0.022
33344.516661	0.516661	6.0782	16-Apr-91	12:24:00	2.4509	0.014
33344.516672	0.516672	6.071	16-Apr-91	12:24:00	2.4667	0.022
33344.516684	0.516684	6.0782	16-Apr-91	12:24:01	2.4840	0.014
33344.516696	0.516696	6.0782	16-Apr-91	12:24:03	2.5013	0.014
33344.516707	0.516707	6.071	16-Apr-91	12:24:03	2.5171	0.022
33344.51672	0.51672	6.071	16-Apr-91	12:24:05	2.5358	0.022
33344.51673	0.51673	6.071	16-Apr-91	12:24:05	2.5502	0.022
33344.516742	0.516742	6.0782	16-Apr-91	12:24:07	2.5675	0.014
33344.516753	0.516753	6.0782	16-Apr-91	12:24:07	2.5834	0.014
33344.516765	0.516765	6.071	16-Apr-91	12:24:08	2.6006	0.022
33344.516777	0.516777	6.0782	16-Apr-91	12:24:10	2.6179	0.014
33344.516789	0.516789	6.071	16-Apr-91	12:24:11	2.6352	0.022
33344.5168	0.5168	6.071	16-Apr-91	12:24:12	2.6510	0.022
33344.516811	0.516811	6.0782	16-Apr-91	12:24:12	2.6669	0.014
33344.516823	0.516823	6.071	16-Apr-91	12:24:14	2.6842	0.022
33344.516834	0.516834	6.0782	16-Apr-91	12:24:14	2.7000	0.014
33344.516846	0.516846	6.071	16-Apr-91	12:24:15	2.7173	0.022
33344.516859	0.516859	6.071	16-Apr-91	12:24:17	2.7360	0.022

33344.516869	0.516869	6.071	16-Apr-91	12:24:17	2.7504	0.022
33344.516881	0.516881	6.071	16-Apr-91	12:24:19	2.7677	0.022
33344.516892	0.516892	6.071	16-Apr-91	12:24:19	2.7835	0.022
33344.516905	0.516905	6.071	16-Apr-91	12:24:21	2.8022	0.022
33344.516939	0.516939	6.071	16-Apr-91	12:24:24	2.8512	0.022
33344.516973	0.516973	6.071	16-Apr-91	12:24:26	2.9002	0.022
33344.517008	0.517008	6.071	16-Apr-91	12:24:29	2.9506	0.022
33344.517043	0.517043	6.071	16-Apr-91	12:24:33	3.0010	0.022
33344.517078	0.517078	6.071	16-Apr-91	12:24:36	3.0514	0.022
33344.517112	0.517112	6.071	16-Apr-91	12:24:38	3.1003	0.022
33344.517147	0.517147	6.071	16-Apr-91	12:24:42	3.1507	0.022
33344.517182	0.517182	6.071	16-Apr-91	12:24:45	3.2011	0.022
33344.517216	0.517216	6.071	16-Apr-91	12:24:47	3.2501	0.022
33344.517251	0.517251	6.071	16-Apr-91	12:24:50	3.3005	0.022
33344.517286	0.517286	6.071	16-Apr-91	12:24:54	3.3509	0.022
33344.517321	0.517321	6.071	16-Apr-91	12:24:57	3.4013	0.022
33344.517355	0.517355	6.071	16-Apr-91	12:24:59	3.4502	0.022
33344.51739	0.51739	6.071	16-Apr-91	12:25:02	3.5006	0.022
33344.517425	0.517425	6.071	16-Apr-91	12:25:06	3.5510	0.022
33344.517459	0.517459	6.071	16-Apr-91	12:25:08	3.6000	0.022
33344.517494	0.517494	6.071	16-Apr-91	12:25:11	3.6504	0.022
33344.517532	0.517532	6.071	16-Apr-91	12:25:15	3.7051	0.022
33344.517569	0.517569	6.0782	16-Apr-91	12:25:18	3.7584	0.014
33344.517598	0.517598	6.0782	16-Apr-91	12:25:20	3.8002	0.014
33344.517649	0.517649	6.071	16-Apr-91	12:25:25	3.8736	0.022
33344.517671	0.517671	6.0782	16-Apr-91	12:25:27	3.9053	0.014
33344.517703	0.517703	6.071	16-Apr-91	12:25:30	3.9514	0.022
33344.517741	0.517741	6.0782	16-Apr-91	12:25:33	4.0061	0.014
33344.517772	0.517772	6.071	16-Apr-91	12:25:36	4.0507	0.022
33344.51781	0.51781	6.071	16-Apr-91	12:25:39	4.1054	0.022
33344.517841	0.517841	6.071	16-Apr-91	12:25:41	4.1501	0.022
33344.51788	0.51788	6.071	16-Apr-91	12:25:45	4.2062	0.022
33344.517917	0.517917	6.0782	16-Apr-91	12:25:48	4.2595	0.014
33344.517955	0.517955	6.0782	16-Apr-91	12:25:51	4.3142	0.014
33344.517991	0.517991	6.0782	16-Apr-91	12:25:54	4.3661	0.014
33344.518029	0.518029	6.0782	16-Apr-91	12:25:58	4.4208	0.014
33344.51805	0.51805	6.0782	16-Apr-91	12:26:00	4.4510	0.014
33344.518088	0.518088	6.071	16-Apr-91	12:26:03	4.5058	0.022
33344.518125	0.518125	6.071	16-Apr-91	12:26:06	4.5590	0.022
33344.518163	0.518163	6.0782	16-Apr-91	12:26:09	4.6138	0.014
33344.518199	0.518199	6.0782	16-Apr-91	12:26:12	4.6656	0.014
33344.518237	0.518237	6.0782	16-Apr-91	12:26:16	4.7203	0.014
33344.518258	0.518258	6.0782	16-Apr-91	12:26:17	4.7506	0.014
33344.518296	0.518296	6.0782	16-Apr-91	12:26:21	4.8053	0.014
33344.518333	0.518333	6.071	16-Apr-91	12:26:24	4.8586	0.022
33344.518372	0.518372	6.0782	16-Apr-91	12:26:27	4.9147	0.014
33344.518407	0.518407	6.0782	16-Apr-91	12:26:30	4.9651	0.014

33344.518446	0.518446	6.0782	16-Apr-91	12:26:34	5.0213	0.014
33344.518466	0.518466	6.071	16-Apr-91	12:26:35	5.0501	0.022
33344.518505	0.518505	6.071	16-Apr-91	12:26:39	5.1062	0.022
33344.518542	0.518542	6.071	16-Apr-91	12:26:42	5.1595	0.022
33344.51858	0.51858	6.0782	16-Apr-91	12:26:45	5.2142	0.014
33344.518616	0.518616	6.071	16-Apr-91	12:26:48	5.2661	0.022
33344.518654	0.518654	6.071	16-Apr-91	12:26:52	5.3208	0.022
33344.518675	0.518675	6.071	16-Apr-91	12:26:54	5.3510	0.022
33344.518713	0.518713	6.071	16-Apr-91	12:26:57	5.4058	0.022
33344.51875	0.51875	6.071	16-Apr-91	12:27:00	5.4590	0.022
33344.518788	0.518788	6.071	16-Apr-91	12:27:03	5.5138	0.022
33344.518824	0.518824	6.071	16-Apr-91	12:27:06	5.5656	0.022
33344.518862	0.518862	6.071	16-Apr-91	12:27:10	5.6203	0.022
33344.518883	0.518883	6.071	16-Apr-91	12:27:11	5.6506	0.022
33344.518921	0.518921	6.071	16-Apr-91	12:27:15	5.7053	0.022
33344.518958	0.518958	6.071	16-Apr-91	12:27:18	5.7586	0.022
33344.518997	0.518997	6.071	16-Apr-91	12:27:21	5.8147	0.022
33344.519032	0.519032	6.071	16-Apr-91	12:27:24	5.8651	0.022
33344.519071	0.519071	6.071	16-Apr-91	12:27:28	5.9213	0.022
33344.519091	0.519091	6.071	16-Apr-91	12:27:29	5.9501	0.022
33344.51913	0.51913	6.071	16-Apr-91	12:27:33	6.0062	0.022
33344.519167	0.519167	6.071	16-Apr-91	12:27:36	6.0595	0.022
33344.519205	0.519205	6.071	16-Apr-91	12:27:39	6.1142	0.022
33344.519238	0.519238	6.0782	16-Apr-91	12:27:42	6.1618	0.014
33344.519266	0.519266	6.071	16-Apr-91	12:27:45	6.2021	0.022
33344.519302	0.519302	6.071	16-Apr-91	12:27:48	6.2539	0.022
33344.51934	0.51934	6.071	16-Apr-91	12:27:51	6.3086	0.022
33344.519377	0.519377	6.071	16-Apr-91	12:27:54	6.3619	0.022
33344.519416	0.519416	6.0782	16-Apr-91	12:27:58	6.4181	0.014
33344.519451	0.519451	6.071	16-Apr-91	12:28:01	6.4685	0.022
33344.519475	0.519475	6.071	16-Apr-91	12:28:03	6.5030	0.022
33344.519512	0.519512	6.0782	16-Apr-91	12:28:06	6.5563	0.014
33344.51955	0.51955	6.071	16-Apr-91	12:28:09	6.6110	0.022
33344.519586	0.519586	6.071	16-Apr-91	12:28:12	6.6629	0.022
33344.519624	0.519624	6.071	16-Apr-91	12:28:16	6.7176	0.022
33344.519661	0.519661	6.071	16-Apr-91	12:28:19	6.7709	0.022
33344.519683	0.519683	6.071	16-Apr-91	12:28:21	6.8026	0.022
33344.51972	0.51972	6.071	16-Apr-91	12:28:24	6.8558	0.022
33344.519758	0.519758	6.071	16-Apr-91	12:28:27	6.9106	0.022
33344.519786	0.519786	6.071	16-Apr-91	12:28:30	6.9509	0.022
33344.519821	0.519821	6.071	16-Apr-91	12:28:33	7.0013	0.022
33344.519855	0.519855	6.071	16-Apr-91	12:28:35	7.0502	0.022
33344.51989	0.51989	6.071	16-Apr-91	12:28:38	7.1006	0.022
33344.519925	0.519925	6.071	16-Apr-91	12:28:42	7.1510	0.022
33344.519959	0.519959	6.071	16-Apr-91	12:28:44	7.2000	0.022
33344.519994	0.519994	6.071	16-Apr-91	12:28:47	7.2504	0.022
33344.520029	0.520029	6.071	16-Apr-91	12:28:51	7.3008	0.022

33344.520064	0.520064	6.071	16-Apr-91	12:28:54	7.3512	0.022
33344.520098	0.520098	6.071	16-Apr-91	12:28:56	7.4002	0.022
33344.520135	0.520135	6.071	16-Apr-91	12:29:00	7.4534	0.022
33344.520174	0.520174	6.071	16-Apr-91	12:29:03	7.5096	0.022
33344.520216	0.520216	6.071	16-Apr-91	12:29:07	7.5701	0.022
33344.520238	0.520238	6.071	16-Apr-91	12:29:09	7.6018	0.022
33344.520272	0.520272	6.071	16-Apr-91	12:29:12	7.6507	0.022
33344.520307	0.520307	6.071	16-Apr-91	12:29:15	7.7011	0.022
33344.520341	0.520341	6.071	16-Apr-91	12:29:17	7.7501	0.022
33344.520373	0.520373	6.071	16-Apr-91	12:29:20	7.7962	0.022


Bouwer & Rice Slug Test Plot
Well MW-16 -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-16s

Initial DTW (bgs) @ time < 0:	22.5	(feet)
Depth to top of sandpack:	7.4	(feet)
Depth to top of screen:	9.0	(feet)
H = Initial head @ time < 0:	6.10	(feet)
H(0)= Maximum head (@ t ~ 0):	1.37	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	22.6	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	7.5	(feet)
Length watertable to bottom of sandpack:	7.5	(feet)
b = Aquifer saturated thickness:	6.5	(feet)
Partial Penetration (Y/N):	N	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	12:41:04
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	6.0998

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.528481	0.528481	6.0926	16-Apr-91	12:41:01	-0.0605	0.007	
33344.528484	0.528484	6.0926	16-Apr-91	12:41:01	-0.0562	0.007	
33344.528486	0.528486	6.0998	16-Apr-91	12:41:01	-0.0533	0.000	
33344.52849	0.52849	6.0998	16-Apr-91	12:41:02	-0.0475	0.000	
33344.528494	0.528494	6.0998	16-Apr-91	12:41:02	-0.0418	0.000	
33344.528497	0.528497	6.0998	16-Apr-91	12:41:02	-0.0374	0.000	
33344.5285	0.5285	6.0998	16-Apr-91	12:41:02	-0.0331	0.000	
33344.528502	0.528502	6.0998	16-Apr-91	12:41:03	-0.0302	0.000	
33344.528505	0.528505	6.0998	16-Apr-91	12:41:03	-0.0259	0.000	
33344.528508	0.528508	6.0998	16-Apr-91	12:41:03	-0.0216	0.000	
33344.528513	0.528513	6.0998	16-Apr-91	12:41:04	-0.0144	0.000	
33344.528515	0.528515	6.0998	16-Apr-91	12:41:04	-0.0115	0.000	
33344.528517	0.528517	6.0926	16-Apr-91	12:41:04	-0.0086	0.007	
33344.528521	0.528521	6.0998	16-Apr-91	12:41:04	-0.0029	0.000	
33344.528523	0.528523	5.1614	16-Apr-91	12:41:04	0.0000	0.938	Start bail test
33344.528527	0.528527	4.7283	16-Apr-91	12:41:05	0.0058	1.372	
33344.528531	0.528531	5.8905	16-Apr-91	12:41:05	0.0115	0.209	
33344.528534	0.528534	5.2769	16-Apr-91	12:41:05	0.0158	0.823	
33344.528536	0.528536	5.3635	16-Apr-91	12:41:06	0.0187	0.736	

33344.528539	0.528539	5.5657	16-Apr-91	12:41:06	0.0230	0.534
33344.528542	0.528542	5.7173	16-Apr-91	12:41:06	0.0274	0.383
33344.528545	0.528545	5.7894	16-Apr-91	12:41:06	0.0317	0.310
33344.52855	0.52855	5.8833	16-Apr-91	12:41:07	0.0389	0.216
33344.528552	0.528552	5.9266	16-Apr-91	12:41:07	0.0418	0.173
33344.528554	0.528554	5.9483	16-Apr-91	12:41:07	0.0446	0.152
33344.528558	0.528558	5.9699	16-Apr-91	12:41:07	0.0504	0.130
33344.52856	0.52856	5.9843	16-Apr-91	12:41:08	0.0533	0.115
33344.528564	0.528564	5.9988	16-Apr-91	12:41:08	0.0590	0.101
33344.528568	0.528568	6.0204	16-Apr-91	12:41:08	0.0648	0.079
33344.528571	0.528571	6.0204	16-Apr-91	12:41:09	0.0691	0.079
33344.528573	0.528573	6.0349	16-Apr-91	12:41:09	0.0720	0.065
33344.528576	0.528576	6.0349	16-Apr-91	12:41:09	0.0763	0.065
33344.528579	0.528579	6.0349	16-Apr-91	12:41:09	0.0806	0.065
33344.528581	0.528581	6.0421	16-Apr-91	12:41:09	0.0835	0.058
33344.528587	0.528587	6.0493	16-Apr-91	12:41:10	0.0922	0.051
33344.528589	0.528589	6.0493	16-Apr-91	12:41:10	0.0950	0.051
33344.528591	0.528591	6.0638	16-Apr-91	12:41:10	0.0979	0.036
33344.528595	0.528595	6.0565	16-Apr-91	12:41:11	0.1037	0.043
33344.528597	0.528597	6.0638	16-Apr-91	12:41:11	0.1066	0.036
33344.5286	0.5286	6.0638	16-Apr-91	12:41:11	0.1109	0.036
33344.528604	0.528604	6.0638	16-Apr-91	12:41:11	0.1166	0.036
33344.528608	0.528608	6.0638	16-Apr-91	12:41:12	0.1224	0.036
33344.52861	0.52861	6.071	16-Apr-91	12:41:12	0.1253	0.029
33344.528613	0.528613	6.0638	16-Apr-91	12:41:12	0.1296	0.036
33344.528616	0.528616	6.071	16-Apr-91	12:41:12	0.1339	0.029
33344.528618	0.528618	6.071	16-Apr-91	12:41:13	0.1368	0.029
33344.528623	0.528623	6.071	16-Apr-91	12:41:13	0.1440	0.029
33344.528626	0.528626	6.071	16-Apr-91	12:41:13	0.1483	0.029
33344.528628	0.528628	6.071	16-Apr-91	12:41:13	0.1512	0.029
33344.528632	0.528632	6.0782	16-Apr-91	12:41:14	0.1570	0.022
33344.528634	0.528634	6.071	16-Apr-91	12:41:14	0.1598	0.029
33344.528637	0.528637	6.0782	16-Apr-91	12:41:14	0.1642	0.022
33344.528641	0.528641	6.0782	16-Apr-91	12:41:15	0.1699	0.022
33344.528645	0.528645	6.0782	16-Apr-91	12:41:15	0.1757	0.022
33344.528647	0.528647	6.0782	16-Apr-91	12:41:15	0.1786	0.022
33344.52865	0.52865	6.0782	16-Apr-91	12:41:15	0.1829	0.022
33344.528653	0.528653	6.0782	16-Apr-91	12:41:16	0.1872	0.022
33344.528655	0.528655	6.0782	16-Apr-91	12:41:16	0.1901	0.022
33344.52866	0.52866	6.0782	16-Apr-91	12:41:16	0.1973	0.022
33344.528663	0.528663	6.0782	16-Apr-91	12:41:16	0.2016	0.022
33344.528666	0.528666	6.0782	16-Apr-91	12:41:17	0.2059	0.022
33344.528668	0.528668	6.0782	16-Apr-91	12:41:17	0.2088	0.022
33344.528671	0.528671	6.0854	16-Apr-91	12:41:17	0.2131	0.014
33344.528674	0.528674	6.0782	16-Apr-91	12:41:17	0.2174	0.022
33344.528678	0.528678	6.0854	16-Apr-91	12:41:18	0.2232	0.014
33344.528682	0.528682	6.0854	16-Apr-91	12:41:18	0.2290	0.014

33344.528684	0.528684	6.0854	16-Apr-91	12:41:18	0.2318	0.014
33344.528686	0.528686	6.0782	16-Apr-91	12:41:18	0.2347	0.022
33344.52869	0.52869	6.0782	16-Apr-91	12:41:19	0.2405	0.022
33344.528692	0.528692	6.0854	16-Apr-91	12:41:19	0.2434	0.014
33344.528697	0.528697	6.0854	16-Apr-91	12:41:19	0.2506	0.014
33344.5287	0.5287	6.0854	16-Apr-91	12:41:20	0.2549	0.014
33344.528703	0.528703	6.0854	16-Apr-91	12:41:20	0.2592	0.014
33344.528705	0.528705	6.0854	16-Apr-91	12:41:20	0.2621	0.014
33344.528708	0.528708	6.0854	16-Apr-91	12:41:20	0.2664	0.014
33344.528711	0.528711	6.0854	16-Apr-91	12:41:21	0.2707	0.014
33344.528715	0.528715	6.0854	16-Apr-91	12:41:21	0.2765	0.014
33344.528719	0.528719	6.0854	16-Apr-91	12:41:21	0.2822	0.014
33344.528721	0.528721	6.0854	16-Apr-91	12:41:21	0.2851	0.014
33344.528723	0.528723	6.0854	16-Apr-91	12:41:22	0.2880	0.014
33344.528727	0.528727	6.0854	16-Apr-91	12:41:22	0.2938	0.014
33344.528729	0.528729	6.0854	16-Apr-91	12:41:22	0.2966	0.014
33344.528734	0.528734	6.0854	16-Apr-91	12:41:23	0.3038	0.014
33344.528737	0.528737	6.0854	16-Apr-91	12:41:23	0.3082	0.014
33344.52874	0.52874	6.0854	16-Apr-91	12:41:23	0.3125	0.014
33344.528742	0.528742	6.0854	16-Apr-91	12:41:23	0.3154	0.014
33344.528745	0.528745	6.0854	16-Apr-91	12:41:24	0.3197	0.014
33344.528748	0.528748	6.0854	16-Apr-91	12:41:24	0.3240	0.014
33344.528752	0.528752	6.0854	16-Apr-91	12:41:24	0.3298	0.014
33344.528755	0.528755	6.0854	16-Apr-91	12:41:24	0.3341	0.014
33344.528758	0.528758	6.0926	16-Apr-91	12:41:25	0.3384	0.007
33344.52876	0.52876	6.0854	16-Apr-91	12:41:25	0.3413	0.014
33344.528764	0.528764	6.0854	16-Apr-91	12:41:25	0.3470	0.014
33344.528766	0.528766	6.0854	16-Apr-91	12:41:25	0.3499	0.014
33344.528771	0.528771	6.0854	16-Apr-91	12:41:26	0.3571	0.014
33344.528773	0.528773	6.0926	16-Apr-91	12:41:26	0.3600	0.007
33344.528777	0.528777	6.0854	16-Apr-91	12:41:26	0.3658	0.014
33344.528779	0.528779	6.0854	16-Apr-91	12:41:27	0.3686	0.014
33344.528782	0.528782	6.0854	16-Apr-91	12:41:27	0.3730	0.014
33344.528785	0.528785	6.0854	16-Apr-91	12:41:27	0.3773	0.014
33344.528789	0.528789	6.0854	16-Apr-91	12:41:27	0.3830	0.014
33344.528792	0.528792	6.0926	16-Apr-91	12:41:28	0.3874	0.007
33344.528795	0.528795	6.0854	16-Apr-91	12:41:28	0.3917	0.014
33344.528797	0.528797	6.0854	16-Apr-91	12:41:28	0.3946	0.014
33344.528801	0.528801	6.0926	16-Apr-91	12:41:28	0.4003	0.007
33344.528803	0.528803	6.0854	16-Apr-91	12:41:29	0.4032	0.014
33344.528808	0.528808	6.0854	16-Apr-91	12:41:29	0.4104	0.014
33344.52881	0.52881	6.0854	16-Apr-91	12:41:29	0.4133	0.014
33344.528814	0.528814	6.0854	16-Apr-91	12:41:30	0.4190	0.014
33344.528816	0.528816	6.0854	16-Apr-91	12:41:30	0.4219	0.014
33344.528818	0.528818	6.0926	16-Apr-91	12:41:30	0.4248	0.007
33344.528822	0.528822	6.0926	16-Apr-91	12:41:30	0.4306	0.007
33344.528826	0.528826	6.0854	16-Apr-91	12:41:31	0.4363	0.014

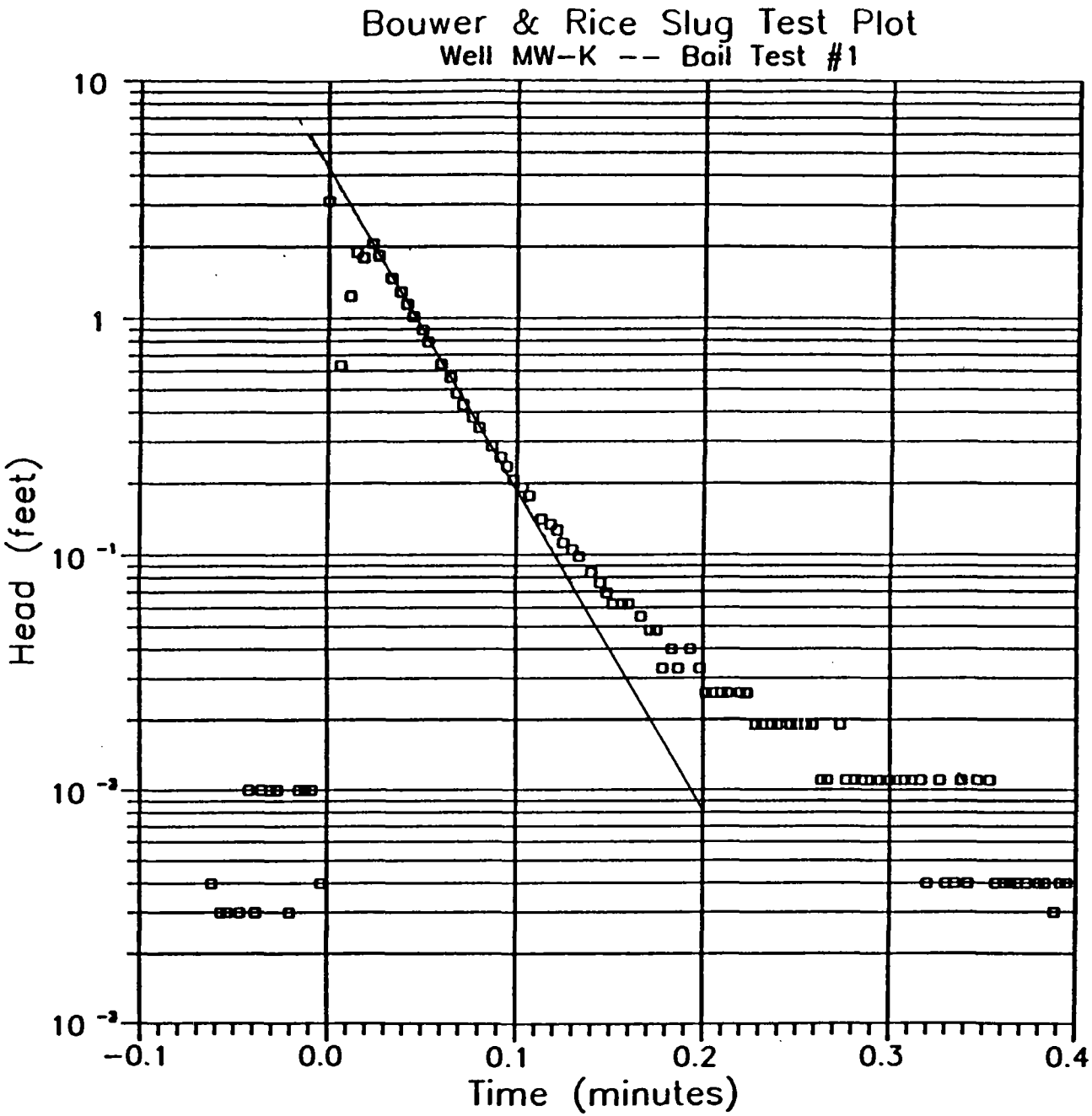
33344.528829	0.528829	6.0854	16-Apr-91	12:41:31	0.4406	0.014
33344.528832	0.528832	6.0854	16-Apr-91	12:41:31	0.4450	0.014
33344.528834	0.528834	6.0926	16-Apr-91	12:41:31	0.4478	0.007
33344.528837	0.528837	6.0926	16-Apr-91	12:41:32	0.4522	0.007
33344.52884	0.52884	6.0926	16-Apr-91	12:41:32	0.4565	0.007
33344.528845	0.528845	6.0854	16-Apr-91	12:41:32	0.4637	0.014
33344.528847	0.528847	6.0854	16-Apr-91	12:41:32	0.4666	0.014
33344.528851	0.528851	6.0926	16-Apr-91	12:41:33	0.4723	0.007
33344.528853	0.528853	6.0854	16-Apr-91	12:41:33	0.4752	0.014
33344.528855	0.528855	6.0854	16-Apr-91	12:41:33	0.4781	0.014
33344.528859	0.528859	6.0926	16-Apr-91	12:41:33	0.4838	0.007
33344.528863	0.528863	6.0854	16-Apr-91	12:41:34	0.4896	0.014
33344.528866	0.528866	6.0926	16-Apr-91	12:41:34	0.4939	0.007
33344.528869	0.528869	6.0854	16-Apr-91	12:41:34	0.4982	0.014
33344.528872	0.528872	6.0854	16-Apr-91	12:41:35	0.5026	0.014
33344.528874	0.528874	6.0926	16-Apr-91	12:41:35	0.5054	0.007
33344.528877	0.528877	6.0926	16-Apr-91	12:41:35	0.5098	0.007
33344.528882	0.528882	6.0926	16-Apr-91	12:41:35	0.5170	0.007
33344.528884	0.528884	6.0854	16-Apr-91	12:41:36	0.5198	0.014
33344.528888	0.528888	6.0926	16-Apr-91	12:41:36	0.5256	0.007
33344.52889	0.52889	6.0854	16-Apr-91	12:41:36	0.5285	0.014
33344.528892	0.528892	6.0926	16-Apr-91	12:41:36	0.5314	0.007
33344.528896	0.528896	6.0926	16-Apr-91	12:41:37	0.5371	0.007
33344.5289	0.5289	6.0926	16-Apr-91	12:41:37	0.5429	0.007
33344.528903	0.528903	6.0926	16-Apr-91	12:41:37	0.5472	0.007
33344.528905	0.528905	6.0854	16-Apr-91	12:41:37	0.5501	0.014
33344.528909	0.528909	6.0854	16-Apr-91	12:41:38	0.5558	0.014
33344.528911	0.528911	6.0854	16-Apr-91	12:41:38	0.5587	0.014
33344.528914	0.528914	6.0926	16-Apr-91	12:41:38	0.5630	0.007
33344.528919	0.528919	6.0926	16-Apr-91	12:41:39	0.5702	0.007
33344.528921	0.528921	6.0926	16-Apr-91	12:41:39	0.5731	0.007
33344.528924	0.528924	6.0854	16-Apr-91	12:41:39	0.5774	0.014
33344.528927	0.528927	6.0926	16-Apr-91	12:41:39	0.5818	0.007
33344.528929	0.528929	6.0926	16-Apr-91	12:41:39	0.5846	0.007
33344.528933	0.528933	6.0926	16-Apr-91	12:41:40	0.5904	0.007
33344.528938	0.528938	6.0926	16-Apr-91	12:41:40	0.5976	0.007
33344.52894	0.52894	6.0926	16-Apr-91	12:41:40	0.6005	0.007
33344.528942	0.528942	6.0926	16-Apr-91	12:41:41	0.6034	0.007
33344.528946	0.528946	6.0854	16-Apr-91	12:41:41	0.6091	0.014
33344.528948	0.528948	6.0926	16-Apr-91	12:41:41	0.6120	0.007
33344.52895	0.52895	6.0854	16-Apr-91	12:41:41	0.6149	0.014
33344.528956	0.528956	6.0926	16-Apr-91	12:41:42	0.6235	0.007
33344.528958	0.528958	6.0854	16-Apr-91	12:41:42	0.6264	0.014
33344.528961	0.528961	6.0926	16-Apr-91	12:41:42	0.6307	0.007
33344.528964	0.528964	6.0926	16-Apr-91	12:41:42	0.6350	0.007
33344.528966	0.528966	6.0926	16-Apr-91	12:41:43	0.6379	0.007
33344.528969	0.528969	6.0926	16-Apr-91	12:41:43	0.6422	0.007

33344.528975	0.528975	6.0926	16-Apr-91	12:41:43	0.6509	0.007
33344.528977	0.528977	6.0926	16-Apr-91	12:41:44	0.6538	0.007
33344.528979	0.528979	6.0926	16-Apr-91	12:41:44	0.6566	0.007
33344.528983	0.528983	6.0926	16-Apr-91	12:41:44	0.6624	0.007
33344.528985	0.528985	6.0854	16-Apr-91	12:41:44	0.6653	0.014
33344.528987	0.528987	6.0926	16-Apr-91	12:41:44	0.6682	0.007
33344.528992	0.528992	6.0926	16-Apr-91	12:41:45	0.6754	0.007
33344.528995	0.528995	6.0854	16-Apr-91	12:41:45	0.6797	0.014
33344.528998	0.528998	6.0854	16-Apr-91	12:41:45	0.6840	0.014
33344.529001	0.529001	6.0926	16-Apr-91	12:41:46	0.6883	0.007
33344.529003	0.529003	6.0854	16-Apr-91	12:41:46	0.6912	0.014
33344.529006	0.529006	6.0926	16-Apr-91	12:41:46	0.6955	0.007
33344.52901	0.52901	6.0854	16-Apr-91	12:41:46	0.7013	0.014
33344.529014	0.529014	6.0926	16-Apr-91	12:41:47	0.7070	0.007
33344.529016	0.529016	6.0926	16-Apr-91	12:41:47	0.7099	0.007
33344.52902	0.52902	6.0926	16-Apr-91	12:41:47	0.7157	0.007
33344.529022	0.529022	6.0926	16-Apr-91	12:41:48	0.7186	0.007
33344.529024	0.529024	6.0926	16-Apr-91	12:41:48	0.7214	0.007
33344.529029	0.529029	6.0854	16-Apr-91	12:41:48	0.7286	0.014
33344.529032	0.529032	6.0926	16-Apr-91	12:41:48	0.7330	0.007
33344.529035	0.529035	6.0926	16-Apr-91	12:41:49	0.7373	0.007
33344.529037	0.529037	6.0926	16-Apr-91	12:41:49	0.7402	0.007
33344.529041	0.529041	6.0926	16-Apr-91	12:41:49	0.7459	0.007
33344.529043	0.529043	6.0926	16-Apr-91	12:41:49	0.7488	0.007
33344.529047	0.529047	6.0926	16-Apr-91	12:41:50	0.7546	0.007
33344.529051	0.529051	6.0926	16-Apr-91	12:41:50	0.7603	0.007
33344.529053	0.529053	6.0926	16-Apr-91	12:41:50	0.7632	0.007
33344.529056	0.529056	6.0854	16-Apr-91	12:41:50	0.7675	0.014
33344.529059	0.529059	6.0926	16-Apr-91	12:41:51	0.7718	0.007
33344.529061	0.529061	6.0926	16-Apr-91	12:41:51	0.7747	0.007
33344.529066	0.529066	6.0854	16-Apr-91	12:41:51	0.7819	0.014
33344.529069	0.529069	6.0926	16-Apr-91	12:41:52	0.7862	0.007
33344.529072	0.529072	6.0926	16-Apr-91	12:41:52	0.7906	0.007
33344.529074	0.529074	6.0926	16-Apr-91	12:41:52	0.7934	0.007
33344.529078	0.529078	6.0926	16-Apr-91	12:41:52	0.7992	0.007
33344.52908	0.52908	6.0926	16-Apr-91	12:41:53	0.8021	0.007
33344.529084	0.529084	6.0926	16-Apr-91	12:41:53	0.8078	0.007
33344.529088	0.529088	6.0926	16-Apr-91	12:41:53	0.8136	0.007
33344.52909	0.52909	6.0926	16-Apr-91	12:41:53	0.8165	0.007
33344.529093	0.529093	6.0926	16-Apr-91	12:41:54	0.8208	0.007
33344.529096	0.529096	6.0926	16-Apr-91	12:41:54	0.8251	0.007
33344.529098	0.529098	6.0926	16-Apr-91	12:41:54	0.8280	0.007
33344.529103	0.529103	6.0926	16-Apr-91	12:41:54	0.8352	0.007
33344.529106	0.529106	6.0926	16-Apr-91	12:41:55	0.8395	0.007
33344.529109	0.529109	6.0854	16-Apr-91	12:41:55	0.8438	0.014
33344.529111	0.529111	6.0926	16-Apr-91	12:41:55	0.8467	0.007
33344.529115	0.529115	6.0926	16-Apr-91	12:41:56	0.8525	0.007

33344.529117	0.529117	6.0926	16-Apr-91	12:41:56	0.8554	0.007
33344.529122	0.529122	6.0926	16-Apr-91	12:41:56	0.8626	0.007
33344.529124	0.529124	6.0926	16-Apr-91	12:41:56	0.8654	0.007
33344.529127	0.529127	6.0926	16-Apr-91	12:41:57	0.8698	0.007
33344.52913	0.52913	6.0926	16-Apr-91	12:41:57	0.8741	0.007
33344.529133	0.529133	6.0926	16-Apr-91	12:41:57	0.8784	0.007
33344.529135	0.529135	6.0926	16-Apr-91	12:41:57	0.8813	0.007
33344.52914	0.52914	6.0854	16-Apr-91	12:41:58	0.8885	0.014
33344.529142	0.529142	6.0926	16-Apr-91	12:41:58	0.8914	0.007
33344.529146	0.529146	6.0926	16-Apr-91	12:41:58	0.8971	0.007
33344.529148	0.529148	6.0926	16-Apr-91	12:41:58	0.9000	0.007
33344.529152	0.529152	6.0926	16-Apr-91	12:41:59	0.9058	0.007
33344.529154	0.529154	6.0926	16-Apr-91	12:41:59	0.9086	0.007
33344.529159	0.529159	6.0926	16-Apr-91	12:41:59	0.9158	0.007
33344.529161	0.529161	6.0926	16-Apr-91	12:42:00	0.9187	0.007
33344.529164	0.529164	6.0926	16-Apr-91	12:42:00	0.9230	0.007
33344.529167	0.529167	6.0926	16-Apr-91	12:42:00	0.9274	0.007
33344.52917	0.52917	6.0926	16-Apr-91	12:42:00	0.9317	0.007
33344.529172	0.529172	6.0926	16-Apr-91	12:42:00	0.9346	0.007
33344.529177	0.529177	6.0926	16-Apr-91	12:42:01	0.9418	0.007
33344.529179	0.529179	6.0926	16-Apr-91	12:42:01	0.9446	0.007
33344.529183	0.529183	6.0926	16-Apr-91	12:42:01	0.9504	0.007
33344.529185	0.529185	6.0926	16-Apr-91	12:42:02	0.9533	0.007
33344.529188	0.529188	6.0854	16-Apr-91	12:42:02	0.9576	0.014
33344.529191	0.529191	6.0926	16-Apr-91	12:42:02	0.9619	0.007
33344.529196	0.529196	6.0926	16-Apr-91	12:42:03	0.9691	0.007
33344.529198	0.529198	6.0926	16-Apr-91	12:42:03	0.9720	0.007
33344.529201	0.529201	6.0926	16-Apr-91	12:42:03	0.9763	0.007
33344.529204	0.529204	6.0926	16-Apr-91	12:42:03	0.9806	0.007
33344.529206	0.529206	6.0926	16-Apr-91	12:42:03	0.9835	0.007
33344.529209	0.529209	6.0854	16-Apr-91	12:42:04	0.9878	0.014
33344.529214	0.529214	6.0854	16-Apr-91	12:42:04	0.9950	0.014
33344.529216	0.529216	6.0926	16-Apr-91	12:42:04	0.9979	0.007
33344.52922	0.52922	6.0926	16-Apr-91	12:42:05	1.0037	0.007
33344.529222	0.529222	6.0854	16-Apr-91	12:42:05	1.0066	0.014
33344.529225	0.529225	6.0926	16-Apr-91	12:42:05	1.0109	0.007
33344.529228	0.529228	6.0926	16-Apr-91	12:42:05	1.0152	0.007
33344.529233	0.529233	6.0926	16-Apr-91	12:42:06	1.0224	0.007
33344.529235	0.529235	6.0854	16-Apr-91	12:42:06	1.0253	0.014
33344.529238	0.529238	6.0926	16-Apr-91	12:42:06	1.0296	0.007
33344.529241	0.529241	6.0926	16-Apr-91	12:42:06	1.0339	0.007
33344.529243	0.529243	6.0926	16-Apr-91	12:42:07	1.0368	0.007
33344.529247	0.529247	6.0926	16-Apr-91	12:42:07	1.0426	0.007
33344.529251	0.529251	6.0926	16-Apr-91	12:42:07	1.0483	0.007
33344.529253	0.529253	6.0926	16-Apr-91	12:42:07	1.0512	0.007
33344.529257	0.529257	6.0926	16-Apr-91	12:42:08	1.0570	0.007
33344.529259	0.529259	6.0926	16-Apr-91	12:42:08	1.0598	0.007

33344.529262	0.529262	6.0926	16-Apr-91	12:42:08	1.0642	0.007
33344.529265	0.529265	6.0926	16-Apr-91	12:42:08	1.0685	0.007
33344.52927	0.52927	6.0926	16-Apr-91	12:42:09	1.0757	0.007
33344.529272	0.529272	6.0926	16-Apr-91	12:42:09	1.0786	0.007
33344.529274	0.529274	6.0926	16-Apr-91	12:42:09	1.0814	0.007
33344.529278	0.529278	6.0926	16-Apr-91	12:42:10	1.0872	0.007
33344.52928	0.52928	6.0926	16-Apr-91	12:42:10	1.0901	0.007
33344.529284	0.529284	6.0926	16-Apr-91	12:42:10	1.0958	0.007
33344.529288	0.529288	6.0926	16-Apr-91	12:42:10	1.1016	0.007
33344.529291	0.529291	6.0926	16-Apr-91	12:42:11	1.1059	0.007
33344.529293	0.529293	6.0926	16-Apr-91	12:42:11	1.1088	0.007
33344.529296	0.529296	6.0926	16-Apr-91	12:42:11	1.1131	0.007
33344.529299	0.529299	6.0926	16-Apr-91	12:42:11	1.1174	0.007
33344.529302	0.529302	6.0854	16-Apr-91	12:42:12	1.1218	0.014
33344.529307	0.529307	6.0926	16-Apr-91	12:42:12	1.1290	0.007
33344.529309	0.529309	6.0926	16-Apr-91	12:42:12	1.1318	0.007
33344.529311	0.529311	6.0926	16-Apr-91	12:42:12	1.1347	0.007
33344.529315	0.529315	6.0926	16-Apr-91	12:42:13	1.1405	0.007
33344.529317	0.529317	6.0926	16-Apr-91	12:42:13	1.1434	0.007
33344.529319	0.529319	6.0926	16-Apr-91	12:42:13	1.1462	0.007
33344.529325	0.529325	6.0926	16-Apr-91	12:42:14	1.1549	0.007
33344.529328	0.529328	6.0926	16-Apr-91	12:42:14	1.1592	0.007
33344.52933	0.52933	6.0926	16-Apr-91	12:42:14	1.1621	0.007
33344.529333	0.529333	6.0926	16-Apr-91	12:42:14	1.1664	0.007
33344.529336	0.529336	6.0926	16-Apr-91	12:42:15	1.1707	0.007
33344.529338	0.529338	6.0926	16-Apr-91	12:42:15	1.1736	0.007
33344.529343	0.529343	6.0854	16-Apr-91	12:42:15	1.1808	0.014
33344.529346	0.529346	6.0926	16-Apr-91	12:42:15	1.1851	0.007
33344.529348	0.529348	6.0926	16-Apr-91	12:42:16	1.1880	0.007
33344.529352	0.529352	6.0926	16-Apr-91	12:42:16	1.1938	0.007
33344.529354	0.529354	6.0926	16-Apr-91	12:42:16	1.1966	0.007
33344.529356	0.529356	6.0926	16-Apr-91	12:42:16	1.1995	0.007
33344.529361	0.529361	6.0926	16-Apr-91	12:42:17	1.2067	0.007
33344.529365	0.529365	6.0926	16-Apr-91	12:42:17	1.2125	0.007
33344.529367	0.529367	6.0926	16-Apr-91	12:42:17	1.2154	0.007
33344.52937	0.52937	6.0926	16-Apr-91	12:42:18	1.2197	0.007
33344.529373	0.529373	6.0926	16-Apr-91	12:42:18	1.2240	0.007
33344.529375	0.529375	6.0926	16-Apr-91	12:42:18	1.2269	0.007
33344.52938	0.52938	6.0926	16-Apr-91	12:42:18	1.2341	0.007
33344.529383	0.529383	6.0926	16-Apr-91	12:42:19	1.2384	0.007
33344.529385	0.529385	6.0926	16-Apr-91	12:42:19	1.2413	0.007
33344.529389	0.529389	6.0926	16-Apr-91	12:42:19	1.2470	0.007
33344.529391	0.529391	6.0926	16-Apr-91	12:42:19	1.2499	0.007
33344.529394	0.529394	6.0926	16-Apr-91	12:42:20	1.2542	0.007
33344.529398	0.529398	6.0926	16-Apr-91	12:42:20	1.2600	0.007
33344.529402	0.529402	6.0926	16-Apr-91	12:42:20	1.2658	0.007
33344.529404	0.529404	6.0926	16-Apr-91	12:42:21	1.2686	0.007

33344.529406	0.529406	6.0926	16-Apr-91	12:42:21	1.2715	0.007
33344.52941	0.52941	6.0926	16-Apr-91	12:42:21	1.2773	0.007
33344.529412	0.529412	6.0926	16-Apr-91	12:42:21	1.2802	0.007
33344.529417	0.529417	6.0926	16-Apr-91	12:42:22	1.2874	0.007
33344.52942	0.52942	6.0926	16-Apr-91	12:42:22	1.2917	0.007
33344.529422	0.529422	6.0926	16-Apr-91	12:42:22	1.2946	0.007
33344.529425	0.529425	6.0926	16-Apr-91	12:42:22	1.2989	0.007
33344.529428	0.529428	6.0926	16-Apr-91	12:42:23	1.3032	0.007
33344.529431	0.529431	6.0854	16-Apr-91	12:42:23	1.3075	0.014
33344.529435	0.529435	6.0926	16-Apr-91	12:42:23	1.3133	0.007
33344.529439	0.529439	6.0854	16-Apr-91	12:42:24	1.3190	0.014
33344.529441	0.529441	6.0854	16-Apr-91	12:42:24	1.3219	0.014
33344.529443	0.529443	6.0926	16-Apr-91	12:42:24	1.3248	0.007
33344.529447	0.529447	6.0926	16-Apr-91	12:42:24	1.3306	0.007
33344.529449	0.529449	6.0926	16-Apr-91	12:42:24	1.3334	0.007
33344.529454	0.529454	6.0926	16-Apr-91	12:42:25	1.3406	0.007
33344.529457	0.529457	6.0926	16-Apr-91	12:42:25	1.3450	0.007
33344.529459	0.529459	6.0926	16-Apr-91	12:42:25	1.3478	0.007
33344.529462	0.529462	6.0926	16-Apr-91	12:42:26	1.3522	0.007
33344.529465	0.529465	6.0926	16-Apr-91	12:42:26	1.3565	0.007
33344.529468	0.529468	6.0926	16-Apr-91	12:42:26	1.3608	0.007
33344.529472	0.529472	6.0926	16-Apr-91	12:42:26	1.3666	0.007
33344.529476	0.529476	6.0926	16-Apr-91	12:42:27	1.3723	0.007
33344.529478	0.529478	6.0854	16-Apr-91	12:42:27	1.3752	0.014
33344.52948	0.52948	6.0926	16-Apr-91	12:42:27	1.3781	0.007
33344.529484	0.529484	6.0926	16-Apr-91	12:42:27	1.3838	0.007
33344.529486	0.529486	6.0926	16-Apr-91	12:42:28	1.3867	0.007
33344.529491	0.529491	6.0926	16-Apr-91	12:42:28	1.3939	0.007
33344.529493	0.529493	6.0926	16-Apr-91	12:42:28	1.3968	0.007


Bouwer & Rice Slug Test Plot
Well MW-K -- Bail Test #1
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-K

Initial DTW (bgs) @ time < 0:	21.8	(feet)
Depth to top of sandpack:	10.0	(feet)
Depth to top of screen:	13.5	(feet)
H = Initial head @ time < 0:	12.25	(feet)
H(0)= Maximum head (@ t ~ 0):	3.11	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	15.2	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	13.7	(feet)
Length watertable to bottom of sandpack:	15.2	(feet)
b = Aquifer saturated thickness:	6.2	(feet)
Partial Penetration (Y/N):	N	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	15:21:04
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	12.25

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.639591	0.639591	12.236	16-Apr-91	15:21:01	-0.0619	0.014	
33344.639595	0.639595	12.243	16-Apr-91	15:21:01	-0.0562	0.007	
33344.639597	0.639597	12.243	16-Apr-91	15:21:01	-0.0533	0.007	
33344.639602	0.639602	12.243	16-Apr-91	15:21:02	-0.0461	0.007	
33344.639605	0.639605	12.25	16-Apr-91	15:21:02	-0.0418	0.000	
33344.639608	0.639608	12.243	16-Apr-91	15:21:02	-0.0374	0.007	
33344.63961	0.63961	12.25	16-Apr-91	15:21:02	-0.0346	0.000	
33344.639613	0.639613	12.25	16-Apr-91	15:21:03	-0.0302	0.000	
33344.639616	0.639616	12.25	16-Apr-91	15:21:03	-0.0259	0.000	
33344.63962	0.63962	12.243	16-Apr-91	15:21:03	-0.0202	0.007	
33344.639624	0.639624	12.25	16-Apr-91	15:21:04	-0.0144	0.000	
33344.639626	0.639626	12.25	16-Apr-91	15:21:04	-0.0115	0.000	
33344.639628	0.639628	12.25	16-Apr-91	15:21:04	-0.0086	0.000	
33344.639632	0.639632	12.236	16-Apr-91	15:21:04	-0.0029	0.014	
33344.639634	0.639634	9.1389	16-Apr-91	15:21:04	0.0000	3.111	Start bail test
33344.639639	0.639639	11.608	16-Apr-91	15:21:05	0.0072	0.642	
33344.639642	0.639642	11.001	16-Apr-91	15:21:05	0.0115	1.249	
33344.639645	0.639645	10.352	16-Apr-91	15:21:05	0.0158	1.898	
33344.639647	0.639647	10.446	16-Apr-91	15:21:06	0.0187	1.804	

33344.63965	0.63965	10.186	16-Apr-91	15:21:06	0.0230	2.064
33344.639653	0.639653	10.409	16-Apr-91	15:21:06	0.0274	1.841
33344.639657	0.639657	10.77	16-Apr-91	15:21:06	0.0331	1.480
33344.639661	0.639661	10.951	16-Apr-91	15:21:07	0.0389	1.299
33344.639663	0.639663	11.095	16-Apr-91	15:21:07	0.0418	1.155
33344.639666	0.639666	11.225	16-Apr-91	15:21:07	0.0461	1.025
33344.639669	0.639669	11.348	16-Apr-91	15:21:07	0.0504	0.902
33344.639671	0.639671	11.449	16-Apr-91	15:21:08	0.0533	0.801
33344.639676	0.639676	11.601	16-Apr-91	15:21:08	0.0605	0.649
33344.639679	0.639679	11.68	16-Apr-91	15:21:08	0.0648	0.570
33344.639682	0.639682	11.759	16-Apr-91	15:21:09	0.0691	0.491
33344.639684	0.639684	11.81	16-Apr-91	15:21:09	0.0720	0.440
33344.639688	0.639688	11.86	16-Apr-91	15:21:09	0.0778	0.390
33344.63969	0.63969	11.897	16-Apr-91	15:21:09	0.0806	0.353
33344.639694	0.639694	11.954	16-Apr-91	15:21:10	0.0864	0.296
33344.639698	0.639698	11.983	16-Apr-91	15:21:10	0.0922	0.267
33344.6397	0.6397	12.005	16-Apr-91	15:21:10	0.0950	0.245
33344.639703	0.639703	12.034	16-Apr-91	15:21:10	0.0994	0.216
33344.639706	0.639706	12.048	16-Apr-91	15:21:11	0.1037	0.202
33344.639708	0.639708	12.063	16-Apr-91	15:21:11	0.1066	0.187
33344.639713	0.639713	12.099	16-Apr-91	15:21:11	0.1138	0.151
33344.639716	0.639716	12.106	16-Apr-91	15:21:11	0.1181	0.144
33344.639719	0.639719	12.113	16-Apr-91	15:21:12	0.1224	0.137
33344.639721	0.639721	12.128	16-Apr-91	15:21:12	0.1253	0.122
33344.639725	0.639725	12.135	16-Apr-91	15:21:12	0.1310	0.115
33344.639727	0.639727	12.142	16-Apr-91	15:21:12	0.1339	0.108
33344.639731	0.639731	12.156	16-Apr-91	15:21:13	0.1397	0.094
33344.639735	0.639735	12.164	16-Apr-91	15:21:13	0.1454	0.086
33344.639737	0.639737	12.171	16-Apr-91	15:21:13	0.1483	0.079
33344.63974	0.63974	12.178	16-Apr-91	15:21:14	0.1526	0.072
33344.639743	0.639743	12.178	16-Apr-91	15:21:14	0.1570	0.072
33344.639745	0.639745	12.178	16-Apr-91	15:21:14	0.1598	0.072
33344.63975	0.63975	12.185	16-Apr-91	15:21:14	0.1670	0.065
33344.639753	0.639753	12.192	16-Apr-91	15:21:15	0.1714	0.058
33344.639756	0.639756	12.192	16-Apr-91	15:21:15	0.1757	0.058
33344.639758	0.639758	12.207	16-Apr-91	15:21:15	0.1786	0.043
33344.639762	0.639762	12.2	16-Apr-91	15:21:15	0.1843	0.050
33344.639764	0.639764	12.207	16-Apr-91	15:21:16	0.1872	0.043
33344.639769	0.639769	12.2	16-Apr-91	15:21:16	0.1944	0.050
33344.639772	0.639772	12.207	16-Apr-91	15:21:16	0.1987	0.043
33344.639774	0.639774	12.214	16-Apr-91	15:21:16	0.2016	0.036
33344.639777	0.639777	12.214	16-Apr-91	15:21:17	0.2059	0.036
33344.63978	0.63978	12.214	16-Apr-91	15:21:17	0.2102	0.036
33344.639782	0.639782	12.214	16-Apr-91	15:21:17	0.2131	0.036
33344.639787	0.639787	12.214	16-Apr-91	15:21:18	0.2203	0.036
33344.639789	0.639789	12.214	16-Apr-91	15:21:18	0.2232	0.036
33344.639793	0.639793	12.221	16-Apr-91	15:21:18	0.2290	0.029

33344.639795	0.639795	12.221	16-Apr-91	15:21:18	0.2318	0.029
33344.639799	0.639799	12.221	16-Apr-91	15:21:19	0.2376	0.029
33344.639801	0.639801	12.221	16-Apr-91	15:21:19	0.2405	0.029
33344.639806	0.639806	12.221	16-Apr-91	15:21:19	0.2477	0.029
33344.639808	0.639808	12.221	16-Apr-91	15:21:19	0.2506	0.029
33344.639811	0.639811	12.221	16-Apr-91	15:21:20	0.2549	0.029
33344.639814	0.639814	12.221	16-Apr-91	15:21:20	0.2592	0.029
33344.639817	0.639817	12.229	16-Apr-91	15:21:20	0.2635	0.021
33344.639819	0.639819	12.229	16-Apr-91	15:21:20	0.2664	0.021
33344.639824	0.639824	12.221	16-Apr-91	15:21:21	0.2736	0.029
33344.639826	0.639826	12.229	16-Apr-91	15:21:21	0.2765	0.021
33344.63983	0.63983	12.229	16-Apr-91	15:21:21	0.2822	0.021
33344.639832	0.639832	12.229	16-Apr-91	15:21:21	0.2851	0.021
33344.639836	0.639836	12.229	16-Apr-91	15:21:22	0.2909	0.021
33344.639838	0.639838	12.229	16-Apr-91	15:21:22	0.2938	0.021
33344.639843	0.639843	12.229	16-Apr-91	15:21:22	0.3010	0.021
33344.639845	0.639845	12.229	16-Apr-91	15:21:23	0.3038	0.021
33344.639848	0.639848	12.229	16-Apr-91	15:21:23	0.3082	0.021
33344.639851	0.639851	12.229	16-Apr-91	15:21:23	0.3125	0.021
33344.639854	0.639854	12.229	16-Apr-91	15:21:23	0.3168	0.021
33344.639856	0.639856	12.236	16-Apr-91	15:21:24	0.3197	0.014
33344.639861	0.639861	12.229	16-Apr-91	15:21:24	0.3269	0.021
33344.639863	0.639863	12.236	16-Apr-91	15:21:24	0.3298	0.014
33344.639867	0.639867	12.236	16-Apr-91	15:21:25	0.3355	0.014
33344.639869	0.639869	12.229	16-Apr-91	15:21:25	0.3384	0.021
33344.639872	0.639872	12.236	16-Apr-91	15:21:25	0.3427	0.014
33344.639875	0.639875	12.229	16-Apr-91	15:21:25	0.3470	0.021
33344.63988	0.63988	12.229	16-Apr-91	15:21:26	0.3542	0.021
33344.639882	0.639882	12.236	16-Apr-91	15:21:26	0.3571	0.014
33344.639885	0.639885	12.236	16-Apr-91	15:21:26	0.3614	0.014
33344.639888	0.639888	12.236	16-Apr-91	15:21:26	0.3658	0.014
33344.63989	0.63989	12.236	16-Apr-91	15:21:26	0.3686	0.014
33344.639894	0.639894	12.236	16-Apr-91	15:21:27	0.3744	0.014
33344.639898	0.639898	12.236	16-Apr-91	15:21:27	0.3802	0.014
33344.6399	0.6399	12.236	16-Apr-91	15:21:27	0.3830	0.014
33344.639904	0.639904	12.243	16-Apr-91	15:21:28	0.3888	0.007
33344.639906	0.639906	12.236	16-Apr-91	15:21:28	0.3917	0.014
33344.639909	0.639909	12.236	16-Apr-91	15:21:28	0.3960	0.014
33344.639912	0.639912	12.236	16-Apr-91	15:21:28	0.4003	0.014
33344.639917	0.639917	12.236	16-Apr-91	15:21:29	0.4075	0.014
33344.639919	0.639919	12.236	16-Apr-91	15:21:29	0.4104	0.014
33344.639922	0.639922	12.236	16-Apr-91	15:21:29	0.4147	0.014
33344.639925	0.639925	12.236	16-Apr-91	15:21:30	0.4190	0.014
33344.639927	0.639927	12.236	16-Apr-91	15:21:30	0.4219	0.014
33344.639931	0.639931	12.236	16-Apr-91	15:21:30	0.4277	0.014
33344.639935	0.639935	12.236	16-Apr-91	15:21:30	0.4334	0.014
33344.639938	0.639938	12.236	16-Apr-91	15:21:31	0.4378	0.014

33344.639941	0.639941	12.236	16-Apr-91	15:21:31	0.4421	0.014
33344.639943	0.639943	12.243	16-Apr-91	15:21:31	0.4450	0.007
33344.639946	0.639946	12.236	16-Apr-91	15:21:31	0.4493	0.014
33344.639949	0.639949	12.236	16-Apr-91	15:21:32	0.4536	0.014
33344.639954	0.639954	12.236	16-Apr-91	15:21:32	0.4608	0.014
33344.639956	0.639956	12.236	16-Apr-91	15:21:32	0.4637	0.014
33344.639959	0.639959	12.236	16-Apr-91	15:21:32	0.4680	0.014
33344.639962	0.639962	12.236	16-Apr-91	15:21:33	0.4723	0.014
33344.639964	0.639964	12.243	16-Apr-91	15:21:33	0.4752	0.007
33344.639968	0.639968	12.236	16-Apr-91	15:21:33	0.4810	0.014
33344.639972	0.639972	12.236	16-Apr-91	15:21:34	0.4867	0.014
33344.639975	0.639975	12.236	16-Apr-91	15:21:34	0.4910	0.014
33344.639978	0.639978	12.236	16-Apr-91	15:21:34	0.4954	0.014
33344.63998	0.63998	12.243	16-Apr-91	15:21:34	0.4982	0.007
33344.639983	0.639983	12.236	16-Apr-91	15:21:35	0.5026	0.014
33344.639986	0.639986	12.243	16-Apr-91	15:21:35	0.5069	0.007
33344.639991	0.639991	12.236	16-Apr-91	15:21:35	0.5141	0.014
33344.639993	0.639993	12.243	16-Apr-91	15:21:35	0.5170	0.007
33344.639995	0.639995	12.236	16-Apr-91	15:21:36	0.5198	0.014
33344.639999	0.639999	12.236	16-Apr-91	15:21:36	0.5256	0.014
33344.640001	0.640001	12.243	16-Apr-91	15:21:36	0.5285	0.007
33344.640005	0.640005	12.236	16-Apr-91	15:21:36	0.5342	0.014
33344.640009	0.640009	12.236	16-Apr-91	15:21:37	0.5400	0.014
33344.640012	0.640012	12.236	16-Apr-91	15:21:37	0.5443	0.014
33344.640014	0.640014	12.236	16-Apr-91	15:21:37	0.5472	0.014
33344.640017	0.640017	12.243	16-Apr-91	15:21:37	0.5515	0.007
33344.64002	0.64002	12.243	16-Apr-91	15:21:38	0.5558	0.007
33344.640023	0.640023	12.243	16-Apr-91	15:21:38	0.5602	0.007
33344.640028	0.640028	12.236	16-Apr-91	15:21:38	0.5674	0.014
33344.64003	0.64003	12.236	16-Apr-91	15:21:39	0.5702	0.014
33344.640032	0.640032	12.236	16-Apr-91	15:21:39	0.5731	0.014
33344.640036	0.640036	12.236	16-Apr-91	15:21:39	0.5789	0.014
33344.640038	0.640038	12.236	16-Apr-91	15:21:39	0.5818	0.014
33344.640042	0.640042	12.243	16-Apr-91	15:21:40	0.5875	0.007
33344.640046	0.640046	12.236	16-Apr-91	15:21:40	0.5933	0.014
33344.640049	0.640049	12.243	16-Apr-91	15:21:40	0.5976	0.007
33344.640051	0.640051	12.236	16-Apr-91	15:21:40	0.6005	0.014
33344.640054	0.640054	12.243	16-Apr-91	15:21:41	0.6048	0.007
33344.640057	0.640057	12.236	16-Apr-91	15:21:41	0.6091	0.014
33344.64006	0.64006	12.236	16-Apr-91	15:21:41	0.6134	0.014
33344.640065	0.640065	12.236	16-Apr-91	15:21:42	0.6206	0.014
33344.640067	0.640067	12.243	16-Apr-91	15:21:42	0.6235	0.007
33344.640069	0.640069	12.243	16-Apr-91	15:21:42	0.6264	0.007
33344.640073	0.640073	12.243	16-Apr-91	15:21:42	0.6322	0.007
33344.640075	0.640075	12.236	16-Apr-91	15:21:42	0.6350	0.014
33344.640078	0.640078	12.243	16-Apr-91	15:21:43	0.6394	0.007
33344.640083	0.640083	12.236	16-Apr-91	15:21:43	0.6466	0.014

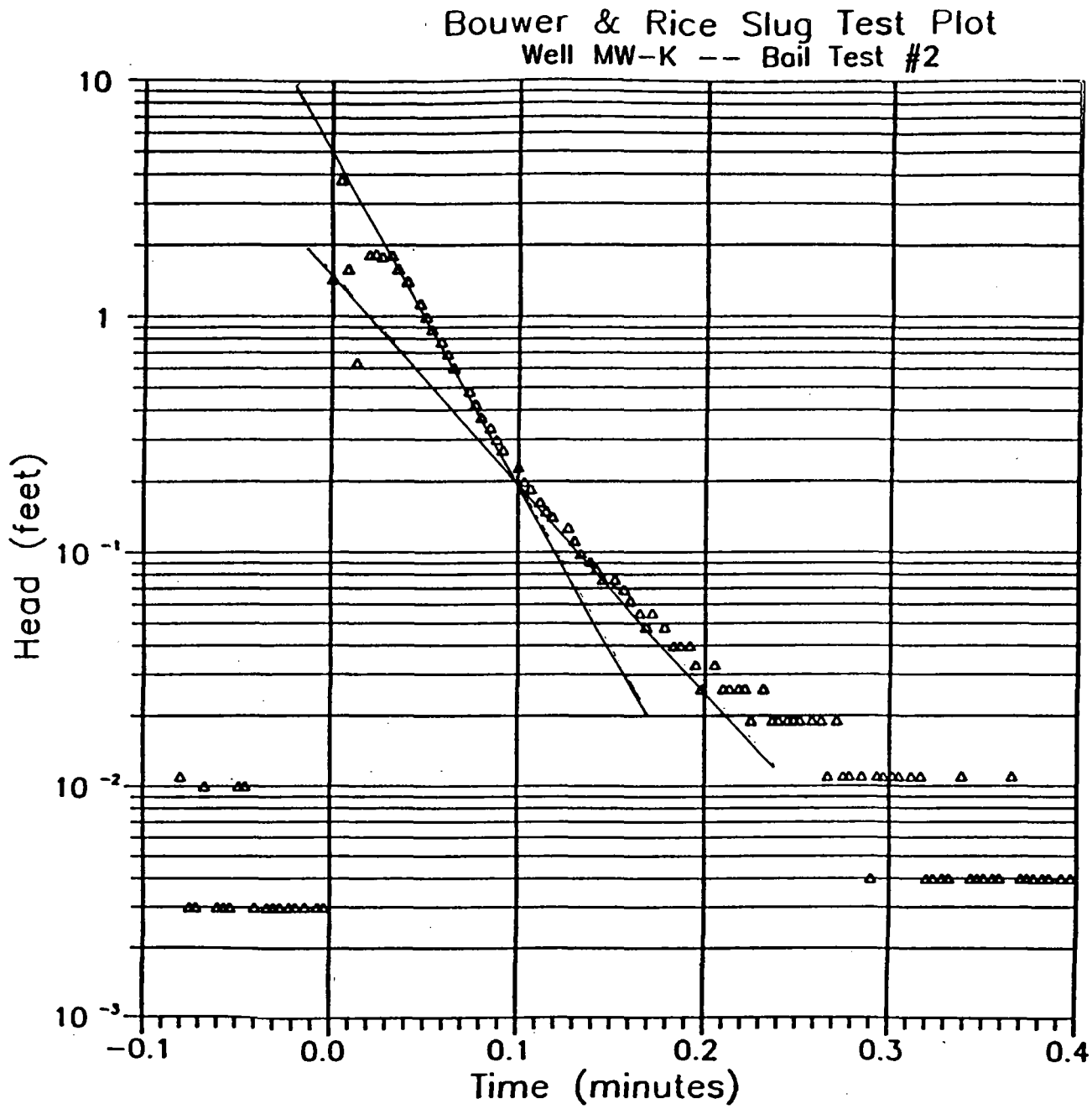
33344.640086	0.640086	12.243	16-Apr-91	15:21:43	0.6509	0.007
33344.640088	0.640088	12.243	16-Apr-91	15:21:44	0.6538	0.007
33344.640091	0.640091	12.236	16-Apr-91	15:21:44	0.6581	0.014
33344.640094	0.640094	12.243	16-Apr-91	15:21:44	0.6624	0.007
33344.640096	0.640096	12.243	16-Apr-91	15:21:44	0.6653	0.007
33344.640102	0.640102	12.236	16-Apr-91	15:21:45	0.6739	0.014
33344.640104	0.640104	12.236	16-Apr-91	15:21:45	0.6768	0.014
33344.640106	0.640106	12.236	16-Apr-91	15:21:45	0.6797	0.014
33344.64011	0.64011	12.243	16-Apr-91	15:21:46	0.6854	0.007
33344.640112	0.640112	12.243	16-Apr-91	15:21:46	0.6883	0.007
33344.640115	0.640115	12.243	16-Apr-91	15:21:46	0.6926	0.007
33344.640119	0.640119	12.236	16-Apr-91	15:21:46	0.6984	0.014
33344.640123	0.640123	12.236	16-Apr-91	15:21:47	0.7042	0.014
33344.640125	0.640125	12.243	16-Apr-91	15:21:47	0.7070	0.007
33344.640128	0.640128	12.243	16-Apr-91	15:21:47	0.7114	0.007
33344.640131	0.640131	12.243	16-Apr-91	15:21:47	0.7157	0.007
33344.640133	0.640133	12.243	16-Apr-91	15:21:47	0.7186	0.007
33344.640138	0.640138	12.243	16-Apr-91	15:21:48	0.7258	0.007
33344.640141	0.640141	12.243	16-Apr-91	15:21:48	0.7301	0.007
33344.640144	0.640144	12.243	16-Apr-91	15:21:48	0.7344	0.007
33344.640147	0.640147	12.236	16-Apr-91	15:21:49	0.7387	0.014
33344.640149	0.640149	12.236	16-Apr-91	15:21:49	0.7416	0.014
33344.640152	0.640152	12.243	16-Apr-91	15:21:49	0.7459	0.007
33344.640156	0.640156	12.243	16-Apr-91	15:21:49	0.7517	0.007
33344.64016	0.64016	12.243	16-Apr-91	15:21:50	0.7574	0.007
33344.640162	0.640162	12.243	16-Apr-91	15:21:50	0.7603	0.007
33344.640166	0.640166	12.243	16-Apr-91	15:21:50	0.7661	0.007
33344.640168	0.640168	12.236	16-Apr-91	15:21:51	0.7690	0.014
33344.64017	0.64017	12.243	16-Apr-91	15:21:51	0.7718	0.007
33344.640175	0.640175	12.236	16-Apr-91	15:21:51	0.7790	0.014
33344.640178	0.640178	12.243	16-Apr-91	15:21:51	0.7834	0.007
33344.640181	0.640181	12.243	16-Apr-91	15:21:52	0.7877	0.007
33344.640184	0.640184	12.243	16-Apr-91	15:21:52	0.7920	0.007
33344.640186	0.640186	12.243	16-Apr-91	15:21:52	0.7949	0.007
33344.640189	0.640189	12.243	16-Apr-91	15:21:52	0.7992	0.007
33344.640193	0.640193	12.243	16-Apr-91	15:21:53	0.8050	0.007
33344.640197	0.640197	12.243	16-Apr-91	15:21:53	0.8107	0.007
33344.640199	0.640199	12.243	16-Apr-91	15:21:53	0.8136	0.007
33344.640201	0.640201	12.243	16-Apr-91	15:21:53	0.8165	0.007
33344.640205	0.640205	12.243	16-Apr-91	15:21:54	0.8222	0.007
33344.640207	0.640207	12.243	16-Apr-91	15:21:54	0.8251	0.007
33344.640212	0.640212	12.236	16-Apr-91	15:21:54	0.8323	0.014
33344.640215	0.640215	12.243	16-Apr-91	15:21:55	0.8366	0.007
33344.640218	0.640218	12.243	16-Apr-91	15:21:55	0.8410	0.007
33344.64022	0.64022	12.243	16-Apr-91	15:21:55	0.8438	0.007
33344.640223	0.640223	12.243	16-Apr-91	15:21:55	0.8482	0.007
33344.640226	0.640226	12.236	16-Apr-91	15:21:56	0.8525	0.014

33344.64023	0.64023	12.236	16-Apr-91	15:21:56	0.8582	0.014
33344.640234	0.640234	12.243	16-Apr-91	15:21:56	0.8640	0.007
33344.640236	0.640236	12.243	16-Apr-91	15:21:56	0.8669	0.007
33344.640238	0.640238	12.243	16-Apr-91	15:21:57	0.8698	0.007
33344.640242	0.640242	12.243	16-Apr-91	15:21:57	0.8755	0.007
33344.640244	0.640244	12.236	16-Apr-91	15:21:57	0.8784	0.014
33344.640249	0.640249	12.236	16-Apr-91	15:21:58	0.8856	0.014
33344.640252	0.640252	12.243	16-Apr-91	15:21:58	0.8899	0.007
33344.640255	0.640255	12.243	16-Apr-91	15:21:58	0.8942	0.007
33344.640257	0.640257	12.243	16-Apr-91	15:21:58	0.8971	0.007
33344.64026	0.64026	12.243	16-Apr-91	15:21:58	0.9014	0.007
33344.640263	0.640263	12.243	16-Apr-91	15:21:59	0.9058	0.007
33344.640267	0.640267	12.243	16-Apr-91	15:21:59	0.9115	0.007
33344.640271	0.640271	12.243	16-Apr-91	15:21:59	0.9173	0.007
33344.640273	0.640273	12.243	16-Apr-91	15:22:00	0.9202	0.007
33344.640275	0.640275	12.243	16-Apr-91	15:22:00	0.9230	0.007
33344.640279	0.640279	12.243	16-Apr-91	15:22:00	0.9288	0.007
33344.640281	0.640281	12.236	16-Apr-91	15:22:00	0.9317	0.014
33344.640286	0.640286	12.243	16-Apr-91	15:22:01	0.9389	0.007
33344.640289	0.640289	12.236	16-Apr-91	15:22:01	0.9432	0.014
33344.640292	0.640292	12.243	16-Apr-91	15:22:01	0.9475	0.007
33344.640294	0.640294	12.243	16-Apr-91	15:22:01	0.9504	0.007
33344.640297	0.640297	12.243	16-Apr-91	15:22:02	0.9547	0.007
33344.6403	0.6403	12.243	16-Apr-91	15:22:02	0.9590	0.007
33344.640304	0.640304	12.243	16-Apr-91	15:22:02	0.9648	0.007
33344.640308	0.640308	12.243	16-Apr-91	15:22:03	0.9706	0.007
33344.64031	0.64031	12.243	16-Apr-91	15:22:03	0.9734	0.007
33344.640312	0.640312	12.243	16-Apr-91	15:22:03	0.9763	0.007
33344.640316	0.640316	12.243	16-Apr-91	15:22:03	0.9821	0.007
33344.640318	0.640318	12.243	16-Apr-91	15:22:03	0.9850	0.007
33344.640323	0.640323	12.236	16-Apr-91	15:22:04	0.9922	0.014
33344.640326	0.640326	12.243	16-Apr-91	15:22:04	0.9965	0.007
33344.640329	0.640329	12.243	16-Apr-91	15:22:04	1.0008	0.007
33344.640331	0.640331	12.243	16-Apr-91	15:22:05	1.0037	0.007
33344.640334	0.640334	12.243	16-Apr-91	15:22:05	1.0080	0.007
33344.640337	0.640337	12.243	16-Apr-91	15:22:05	1.0123	0.007
33344.640341	0.640341	12.236	16-Apr-91	15:22:05	1.0181	0.014
33344.640345	0.640345	12.243	16-Apr-91	15:22:06	1.0238	0.007
33344.640347	0.640347	12.243	16-Apr-91	15:22:06	1.0267	0.007
33344.64035	0.64035	12.243	16-Apr-91	15:22:06	1.0310	0.007
33344.640353	0.640353	12.243	16-Apr-91	15:22:06	1.0354	0.007
33344.640355	0.640355	12.243	16-Apr-91	15:22:07	1.0382	0.007
33344.64036	0.64036	12.236	16-Apr-91	15:22:07	1.0454	0.014
33344.640362	0.640362	12.243	16-Apr-91	15:22:07	1.0483	0.007
33344.640366	0.640366	12.243	16-Apr-91	15:22:08	1.0541	0.007
33344.640368	0.640368	12.243	16-Apr-91	15:22:08	1.0570	0.007
33344.640372	0.640372	12.243	16-Apr-91	15:22:08	1.0627	0.007

33344.640374	0.640374	12.236	16-Apr-91	15:22:08	1.0656	0.014
33344.640378	0.640378	12.236	16-Apr-91	15:22:09	1.0714	0.014
33344.640381	0.640381	12.243	16-Apr-91	15:22:09	1.0757	0.007
33344.640384	0.640384	12.243	16-Apr-91	15:22:09	1.0800	0.007
33344.640387	0.640387	12.243	16-Apr-91	15:22:09	1.0843	0.007
33344.64039	0.64039	12.243	16-Apr-91	15:22:10	1.0886	0.007
33344.640392	0.640392	12.243	16-Apr-91	15:22:10	1.0915	0.007
33344.640397	0.640397	12.236	16-Apr-91	15:22:10	1.0987	0.014
33344.640399	0.640399	12.236	16-Apr-91	15:22:10	1.1016	0.014
33344.640403	0.640403	12.243	16-Apr-91	15:22:11	1.1074	0.007
33344.640405	0.640405	12.243	16-Apr-91	15:22:11	1.1102	0.007
33344.640409	0.640409	12.243	16-Apr-91	15:22:11	1.1160	0.007
33344.640411	0.640411	12.243	16-Apr-91	15:22:12	1.1189	0.007
33344.640416	0.640416	12.236	16-Apr-91	15:22:12	1.1261	0.014
33344.640418	0.640418	12.243	16-Apr-91	15:22:12	1.1290	0.007
33344.640421	0.640421	12.243	16-Apr-91	15:22:12	1.1333	0.007
33344.640424	0.640424	12.243	16-Apr-91	15:22:13	1.1376	0.007
33344.640426	0.640426	12.243	16-Apr-91	15:22:13	1.1405	0.007
33344.640429	0.640429	12.243	16-Apr-91	15:22:13	1.1448	0.007
33344.640434	0.640434	12.243	16-Apr-91	15:22:13	1.1520	0.007
33344.640436	0.640436	12.243	16-Apr-91	15:22:14	1.1549	0.007
33344.64044	0.64044	12.243	16-Apr-91	15:22:14	1.1606	0.007
33344.640442	0.640442	12.243	16-Apr-91	15:22:14	1.1635	0.007
33344.640444	0.640444	12.243	16-Apr-91	15:22:14	1.1664	0.007
33344.640448	0.640448	12.243	16-Apr-91	15:22:15	1.1722	0.007
33344.640453	0.640453	12.243	16-Apr-91	15:22:15	1.1794	0.007
33344.640455	0.640455	12.243	16-Apr-91	15:22:15	1.1822	0.007
33344.640458	0.640458	12.243	16-Apr-91	15:22:16	1.1866	0.007
33344.640461	0.640461	12.243	16-Apr-91	15:22:16	1.1909	0.007
33344.640463	0.640463	12.243	16-Apr-91	15:22:16	1.1938	0.007
33344.640466	0.640466	12.243	16-Apr-91	15:22:16	1.1981	0.007
33344.640471	0.640471	12.243	16-Apr-91	15:22:17	1.2053	0.007
33344.640473	0.640473	12.243	16-Apr-91	15:22:17	1.2082	0.007
33344.640477	0.640477	12.243	16-Apr-91	15:22:17	1.2139	0.007
33344.640479	0.640479	12.243	16-Apr-91	15:22:17	1.2168	0.007
33344.640481	0.640481	12.243	16-Apr-91	15:22:18	1.2197	0.007
33344.640485	0.640485	12.243	16-Apr-91	15:22:18	1.2254	0.007
33344.64049	0.64049	12.243	16-Apr-91	15:22:18	1.2326	0.007
33344.640492	0.640492	12.243	16-Apr-91	15:22:19	1.2355	0.007
33344.640495	0.640495	12.243	16-Apr-91	15:22:19	1.2398	0.007
33344.640498	0.640498	12.243	16-Apr-91	15:22:19	1.2442	0.007
33344.6405	0.6405	12.243	16-Apr-91	15:22:19	1.2470	0.007
33344.640503	0.640503	12.243	16-Apr-91	15:22:19	1.2514	0.007
33344.640508	0.640508	12.243	16-Apr-91	15:22:20	1.2586	0.007
33344.64051	0.64051	12.243	16-Apr-91	15:22:20	1.2614	0.007
33344.640514	0.640514	12.243	16-Apr-91	15:22:20	1.2672	0.007
33344.640516	0.640516	12.243	16-Apr-91	15:22:21	1.2701	0.007

33344.640519	0.640519	12.236	16-Apr-91	15:22:21	1.2744	0.014
33344.640522	0.640522	12.243	16-Apr-91	15:22:21	1.2787	0.007
33344.640527	0.640527	12.236	16-Apr-91	15:22:22	1.2859	0.014
33344.640529	0.640529	12.243	16-Apr-91	15:22:22	1.2888	0.007
33344.640532	0.640532	12.243	16-Apr-91	15:22:22	1.2931	0.007
33344.640535	0.640535	12.243	16-Apr-91	15:22:22	1.2974	0.007
33344.640537	0.640537	12.243	16-Apr-91	15:22:22	1.3003	0.007
33344.640541	0.640541	12.243	16-Apr-91	15:22:23	1.3061	0.007
33344.640545	0.640545	12.236	16-Apr-91	15:22:23	1.3118	0.014
33344.640547	0.640547	12.243	16-Apr-91	15:22:23	1.3147	0.007
33344.640551	0.640551	12.243	16-Apr-91	15:22:24	1.3205	0.007
33344.640553	0.640553	12.243	16-Apr-91	15:22:24	1.3234	0.007
33344.640556	0.640556	12.236	16-Apr-91	15:22:24	1.3277	0.014
33344.640559	0.640559	12.236	16-Apr-91	15:22:24	1.3320	0.014
33344.640564	0.640564	12.236	16-Apr-91	15:22:25	1.3392	0.014
33344.640566	0.640566	12.243	16-Apr-91	15:22:25	1.3421	0.007
33344.640568	0.640568	12.243	16-Apr-91	15:22:25	1.3450	0.007
33344.640572	0.640572	12.243	16-Apr-91	15:22:25	1.3507	0.007
33344.640574	0.640574	12.243	16-Apr-91	15:22:26	1.3536	0.007
33344.640578	0.640578	12.236	16-Apr-91	15:22:26	1.3594	0.014
33344.640582	0.640582	12.243	16-Apr-91	15:22:26	1.3651	0.007
33344.640584	0.640584	12.243	16-Apr-91	15:22:26	1.3680	0.007
33344.640587	0.640587	12.243	16-Apr-91	15:22:27	1.3723	0.007
33344.64059	0.64059	12.243	16-Apr-91	15:22:27	1.3766	0.007
33344.640593	0.640593	12.236	16-Apr-91	15:22:27	1.3810	0.014
33344.640596	0.640596	12.243	16-Apr-91	15:22:27	1.3853	0.007
33344.640601	0.640601	12.243	16-Apr-91	15:22:28	1.3925	0.007
33344.640603	0.640603	12.236	16-Apr-91	15:22:28	1.3954	0.014
33344.640605	0.640605	12.236	16-Apr-91	15:22:28	1.3982	0.014
33344.640609	0.640609	12.243	16-Apr-91	15:22:29	1.4040	0.007
33344.640611	0.640611	12.243	16-Apr-91	15:22:29	1.4069	0.007
33344.640615	0.640615	12.243	16-Apr-91	15:22:29	1.4126	0.007
33344.640619	0.640619	12.243	16-Apr-91	15:22:29	1.4184	0.007
33344.640622	0.640622	12.236	16-Apr-91	15:22:30	1.4227	0.014
33344.640624	0.640624	12.243	16-Apr-91	15:22:30	1.4256	0.007
33344.640627	0.640627	12.243	16-Apr-91	15:22:30	1.4299	0.007
33344.64063	0.64063	12.243	16-Apr-91	15:22:30	1.4342	0.007
33344.640633	0.640633	12.243	16-Apr-91	15:22:31	1.4386	0.007
33344.640638	0.640638	12.243	16-Apr-91	15:22:31	1.4458	0.007
33344.64064	0.64064	12.243	16-Apr-91	15:22:31	1.4486	0.007
33344.640642	0.640642	12.243	16-Apr-91	15:22:31	1.4515	0.007
33344.640646	0.640646	12.243	16-Apr-91	15:22:32	1.4573	0.007
33344.640648	0.640648	12.243	16-Apr-91	15:22:32	1.4602	0.007
33344.64065	0.64065	12.243	16-Apr-91	15:22:32	1.4630	0.007
33344.640656	0.640656	12.243	16-Apr-91	15:22:33	1.4717	0.007
33344.640659	0.640659	12.243	16-Apr-91	15:22:33	1.4760	0.007
33344.640661	0.640661	12.236	16-Apr-91	15:22:33	1.4789	0.014

33344.640664	0.640664	12.243	16-Apr-91	15:22:33	1.4832	0.007
33344.640667	0.640667	12.243	16-Apr-91	15:22:34	1.4875	0.007
33344.640669	0.640669	12.243	16-Apr-91	15:22:34	1.4904	0.007
33344.640675	0.640675	12.236	16-Apr-91	15:22:34	1.4990	0.014
33344.640677	0.640677	12.243	16-Apr-91	15:22:34	1.5019	0.007
33344.640679	0.640679	12.243	16-Apr-91	15:22:35	1.5048	0.007
33344.640683	0.640683	12.243	16-Apr-91	15:22:35	1.5106	0.007
33344.640685	0.640685	12.243	16-Apr-91	15:22:35	1.5134	0.007
33344.640688	0.640688	12.236	16-Apr-91	15:22:35	1.5178	0.014
33344.640693	0.640693	12.243	16-Apr-91	15:22:36	1.5250	0.007
33344.640696	0.640696	12.243	16-Apr-91	15:22:36	1.5293	0.007
33344.640698	0.640698	12.243	16-Apr-91	15:22:36	1.5322	0.007
33344.640701	0.640701	12.243	16-Apr-91	15:22:37	1.5365	0.007
33344.640704	0.640704	12.243	16-Apr-91	15:22:37	1.5408	0.007
33344.640706	0.640706	12.236	16-Apr-91	15:22:37	1.5437	0.014
33344.640711	0.640711	12.236	16-Apr-91	15:22:37	1.5509	0.014
33344.640714	0.640714	12.236	16-Apr-91	15:22:38	1.5552	0.014
33344.640716	0.640716	12.243	16-Apr-91	15:22:38	1.5581	0.007
33344.64072	0.64072	12.243	16-Apr-91	15:22:38	1.5638	0.007
33344.640722	0.640722	12.243	16-Apr-91	15:22:38	1.5667	0.007
33344.640725	0.640725	12.243	16-Apr-91	15:22:39	1.5710	0.007
33344.640729	0.640729	12.243	16-Apr-91	15:22:39	1.5768	0.007
33344.640733	0.640733	12.243	16-Apr-91	15:22:39	1.5826	0.007
33344.640735	0.640735	12.243	16-Apr-91	15:22:40	1.5854	0.007
33344.640738	0.640738	12.243	16-Apr-91	15:22:40	1.5898	0.007
33344.640741	0.640741	12.236	16-Apr-91	15:22:40	1.5941	0.014
33344.640743	0.640743	12.243	16-Apr-91	15:22:40	1.5970	0.007
33344.640748	0.640748	12.236	16-Apr-91	15:22:41	1.6042	0.014
33344.640751	0.640751	12.243	16-Apr-91	15:22:41	1.6085	0.007
33344.640753	0.640753	12.243	16-Apr-91	15:22:41	1.6114	0.007
33344.640757	0.640757	12.243	16-Apr-91	15:22:41	1.6171	0.007
33344.640759	0.640759	12.243	16-Apr-91	15:22:42	1.6200	0.007
33344.640762	0.640762	12.243	16-Apr-91	15:22:42	1.6243	0.007
33344.640766	0.640766	12.243	16-Apr-91	15:22:42	1.6301	0.007
33344.64077	0.64077	12.243	16-Apr-91	15:22:43	1.6358	0.007
33344.640772	0.640772	12.243	16-Apr-91	15:22:43	1.6387	0.007
33344.640775	0.640775	12.243	16-Apr-91	15:22:43	1.6430	0.007
33344.640778	0.640778	12.243	16-Apr-91	15:22:43	1.6474	0.007
33344.64078	0.64078	12.236	16-Apr-91	15:22:43	1.6502	0.014
33344.640785	0.640785	12.243	16-Apr-91	15:22:44	1.6574	0.007
33344.640788	0.640788	12.243	16-Apr-91	15:22:44	1.6618	0.007
33344.640791	0.640791	12.243	16-Apr-91	15:22:44	1.6661	0.007
33344.640793	0.640793	12.236	16-Apr-91	15:22:45	1.6690	0.014
33344.640796	0.640796	12.236	16-Apr-91	15:22:45	1.6733	0.014


Bouwer & Rice Slug Test Plot
Well MW-K -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-K

Initial DTW (bgs) @ time < 0:	21.8	(feet)
Depth to top of sandpack:	10.0	(feet)
Depth to top of screen:	13.5	(feet)
H = Initial head @ time < 0:	12.24	(feet)
H(0)= Maximum head (@ t ~ 0):	3.79	(feet)
D = Length of well screen:	20.0	(feet)
L = Length of saturated sandpack:	15.2	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	13.7	(feet)
Length watertable to bottom of sandpack:	15.2	(feet)
b = Aquifer saturated thickness:	6.2	(feet)
Partial Penetration (Y/N):	N	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	15:30:51
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	12.243

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.646362	0.646362	12.229	16-Apr-91	15:30:46	-0.0806	0.014	
33344.646366	0.646366	12.243	16-Apr-91	15:30:46	-0.0749	0.000	
33344.646368	0.646368	12.243	16-Apr-91	15:30:46	-0.0720	0.000	
33344.646372	0.646372	12.25	16-Apr-91	15:30:47	-0.0662	0.007	
33344.646376	0.646376	12.243	16-Apr-91	15:30:47	-0.0605	0.000	
33344.646378	0.646378	12.243	16-Apr-91	15:30:47	-0.0576	0.000	
33344.646381	0.646381	12.243	16-Apr-91	15:30:47	-0.0533	0.000	
33344.646384	0.646384	12.25	16-Apr-91	15:30:48	-0.0490	0.007	
33344.646387	0.646387	12.25	16-Apr-91	15:30:48	-0.0446	0.007	
33344.64639	0.64639	12.243	16-Apr-91	15:30:48	-0.0403	0.000	
33344.646395	0.646395	12.243	16-Apr-91	15:30:49	-0.0331	0.000	
33344.646397	0.646397	12.243	16-Apr-91	15:30:49	-0.0302	0.000	
33344.646399	0.646399	12.243	16-Apr-91	15:30:49	-0.0274	0.000	
33344.646403	0.646403	12.243	16-Apr-91	15:30:49	-0.0216	0.000	
33344.646405	0.646405	12.243	16-Apr-91	15:30:49	-0.0187	0.000	
33344.646409	0.646409	12.243	16-Apr-91	15:30:50	-0.0130	0.000	
33344.646413	0.646413	12.243	16-Apr-91	15:30:50	-0.0072	0.000	
33344.646416	0.646416	12.243	16-Apr-91	15:30:50	-0.0029	0.000	
33344.646418	0.646418	10.814	16-Apr-91	15:30:51	0.0000	1.429	Start bail test

33344.646421	0.646421	8.4532	16-Apr-91	15:30:51	0.0043	3.790
33344.646424	0.646424	10.662	16-Apr-91	16:30:51	0.0086	1.581
33344.646427	0.646427	11.608	16-Apr-91	15:30:51	0.0130	0.635
33344.646432	0.646432	10.424	16-Apr-91	15:30:52	0.0202	1.819
33344.646434	0.646434	10.409	16-Apr-91	15:30:52	0.0230	1.834
33344.646436	0.646436	10.46	16-Apr-91	15:30:52	0.0259	1.783
33344.64644	0.64644	10.438	16-Apr-91	15:30:52	0.0317	1.805
33344.646442	0.646442	10.662	16-Apr-91	15:30:53	0.0346	1.581
33344.646446	0.646446	10.843	16-Apr-91	15:30:53	0.0403	1.400
33344.64645	0.64645	11.11	16-Apr-91	15:30:53	0.0461	1.133
33344.646453	0.646453	11.247	16-Apr-91	15:30:54	0.0504	0.996
33344.646455	0.646455	11.362	16-Apr-91	15:30:54	0.0533	0.881
33344.646458	0.646458	11.463	16-Apr-91	15:30:54	0.0576	0.780
33344.646461	0.646461	11.55	16-Apr-91	15:30:54	0.0619	0.693
33344.646463	0.646463	11.637	16-Apr-91	15:30:54	0.0648	0.606
33344.646469	0.646469	11.759	16-Apr-91	15:30:55	0.0734	0.484
33344.646471	0.646471	11.817	16-Apr-91	15:30:55	0.0763	0.426
33344.646473	0.646473	11.868	16-Apr-91	15:30:55	0.0792	0.375
33344.646477	0.646477	11.904	16-Apr-91	15:30:56	0.0850	0.339
33344.646479	0.646479	11.94	16-Apr-91	15:30:56	0.0878	0.303
33344.646481	0.646481	11.969	16-Apr-91	15:30:56	0.0907	0.274
33344.646487	0.646487	12.012	16-Apr-91	15:30:56	0.0994	0.231
33344.64649	0.64649	12.041	16-Apr-91	15:30:57	0.1037	0.202
33344.646492	0.646492	12.055	16-Apr-91	15:30:57	0.1066	0.188
33344.646495	0.646495	12.077	16-Apr-91	15:30:57	0.1109	0.166
33344.646498	0.646498	12.091	16-Apr-91	15:30:57	0.1152	0.152
33344.6465	0.6465	12.099	16-Apr-91	15:30:58	0.1181	0.144
33344.646506	0.646506	12.113	16-Apr-91	15:30:58	0.1267	0.130
33344.646508	0.646508	12.128	16-Apr-91	15:30:58	0.1296	0.115
33344.64651	0.64651	12.142	16-Apr-91	15:30:58	0.1325	0.101
33344.646514	0.646514	12.149	16-Apr-91	15:30:59	0.1382	0.094
33344.646516	0.646516	12.156	16-Apr-91	15:30:59	0.1411	0.087
33344.646519	0.646519	12.164	16-Apr-91	15:30:59	0.1454	0.079
33344.646523	0.646523	12.164	16-Apr-91	15:31:00	0.1512	0.079
33344.646527	0.646527	12.171	16-Apr-91	15:31:00	0.1570	0.072
33344.646529	0.646529	12.178	16-Apr-91	15:31:00	0.1598	0.065
33344.646532	0.646532	12.185	16-Apr-91	15:31:00	0.1642	0.058
33344.646535	0.646535	12.192	16-Apr-91	15:31:01	0.1685	0.051
33344.646537	0.646537	12.185	16-Apr-91	15:31:01	0.1714	0.058
33344.646542	0.646542	12.192	16-Apr-91	15:31:01	0.1786	0.051
33344.646545	0.646545	12.2	16-Apr-91	15:31:01	0.1829	0.043
33344.646547	0.646547	12.2	16-Apr-91	15:31:02	0.1858	0.043
33344.646551	0.646551	12.2	16-Apr-91	15:31:02	0.1915	0.043
33344.646553	0.646553	12.207	16-Apr-91	15:31:02	0.1944	0.036
33344.646556	0.646556	12.214	16-Apr-91	15:31:02	0.1987	0.029
33344.64656	0.64656	12.207	16-Apr-91	15:31:03	0.2045	0.036
33344.646564	0.646564	12.214	16-Apr-91	15:31:03	0.2102	0.029

33344.646566	0.646566	12.214	16-Apr-91	15:31:03	0.2131	0.029
33344.646569	0.646569	12.214	16-Apr-91	15:31:04	0.2174	0.029
33344.646572	0.646572	12.214	16-Apr-91	15:31:04	0.2218	0.029
33344.646574	0.646574	12.221	16-Apr-91	15:31:04	0.2246	0.022
33344.646579	0.646579	12.214	16-Apr-91	15:31:04	0.2318	0.029
33344.646582	0.646582	12.221	16-Apr-91	15:31:05	0.2362	0.022
33344.646584	0.646584	12.221	16-Apr-91	15:31:05	0.2390	0.022
33344.646588	0.646588	12.221	16-Apr-91	15:31:05	0.2448	0.022
33344.64659	0.64659	12.221	16-Apr-91	15:31:05	0.2477	0.022
33344.646593	0.646593	12.221	16-Apr-91	15:31:06	0.2520	0.022
33344.646597	0.646597	12.221	16-Apr-91	15:31:06	0.2578	0.022
33344.646601	0.646601	12.221	16-Apr-91	15:31:06	0.2635	0.022
33344.646603	0.646603	12.229	16-Apr-91	15:31:06	0.2664	0.014
33344.646606	0.646606	12.221	16-Apr-91	15:31:07	0.2707	0.022
33344.646609	0.646609	12.229	16-Apr-91	15:31:07	0.2750	0.014
33344.646611	0.646611	12.229	16-Apr-91	15:31:07	0.2779	0.014
33344.646616	0.646616	12.229	16-Apr-91	15:31:08	0.2851	0.014
33344.646619	0.646619	12.236	16-Apr-91	15:31:08	0.2894	0.007
33344.646622	0.646622	12.229	16-Apr-91	15:31:08	0.2938	0.014
33344.646624	0.646624	12.229	16-Apr-91	15:31:08	0.2966	0.014
33344.646627	0.646627	12.229	16-Apr-91	15:31:09	0.3010	0.014
33344.64663	0.64663	12.229	16-Apr-91	15:31:09	0.3053	0.014
33344.646634	0.646634	12.229	16-Apr-91	15:31:09	0.3110	0.014
33344.646638	0.646638	12.229	16-Apr-91	15:31:10	0.3168	0.014
33344.64664	0.64664	12.236	16-Apr-91	15:31:10	0.3197	0.007
33344.646642	0.646642	12.236	16-Apr-91	15:31:10	0.3226	0.007
33344.646646	0.646646	12.236	16-Apr-91	15:31:10	0.3283	0.007
33344.646648	0.646648	12.236	16-Apr-91	15:31:10	0.3312	0.007
33344.646653	0.646653	12.229	16-Apr-91	15:31:11	0.3384	0.014
33344.646656	0.646656	12.236	16-Apr-91	15:31:11	0.3427	0.007
33344.646659	0.646659	12.236	16-Apr-91	15:31:11	0.3470	0.007
33344.646661	0.646661	12.236	16-Apr-91	15:31:12	0.3499	0.007
33344.646664	0.646664	12.236	16-Apr-91	15:31:12	0.3542	0.007
33344.646667	0.646667	12.236	16-Apr-91	15:31:12	0.3586	0.007
33344.646671	0.646671	12.229	16-Apr-91	15:31:12	0.3643	0.014
33344.646675	0.646675	12.236	16-Apr-91	15:31:13	0.3701	0.007
33344.646677	0.646677	12.236	16-Apr-91	15:31:13	0.3730	0.007
33344.646679	0.646679	12.236	16-Apr-91	15:31:13	0.3758	0.007
33344.646683	0.646683	12.236	16-Apr-91	15:31:13	0.3816	0.007
33344.646685	0.646685	12.236	16-Apr-91	15:31:14	0.3845	0.007
33344.64669	0.64669	12.236	16-Apr-91	15:31:14	0.3917	0.007
33344.646693	0.646693	12.236	16-Apr-91	15:31:14	0.3960	0.007
33344.646696	0.646696	12.236	16-Apr-91	15:31:15	0.4003	0.007
33344.646698	0.646698	12.236	16-Apr-91	15:31:15	0.4032	0.007
33344.646701	0.646701	12.236	16-Apr-91	15:31:15	0.4075	0.007
33344.646704	0.646704	12.236	16-Apr-91	15:31:15	0.4118	0.007
33344.646708	0.646708	12.236	16-Apr-91	15:31:16	0.4176	0.007

33344.646712	0.646712	12.236	16-Apr-91	15:31:16	0.4234	0.007
33344.646714	0.646714	12.236	16-Apr-91	15:31:16	0.4262	0.007
33344.646716	0.646716	12.236	16-Apr-91	15:31:16	0.4291	0.007
33344.64672	0.64672	12.236	16-Apr-91	15:31:17	0.4349	0.007
33344.646722	0.646722	12.236	16-Apr-91	15:31:17	0.4378	0.007
33344.646727	0.646727	12.236	16-Apr-91	15:31:17	0.4450	0.007
33344.64673	0.64673	12.236	16-Apr-91	15:31:17	0.4493	0.007
33344.646733	0.646733	12.236	16-Apr-91	15:31:18	0.4536	0.007
33344.646735	0.646735	12.236	16-Apr-91	15:31:18	0.4565	0.007
33344.646738	0.646738	12.236	16-Apr-91	15:31:18	0.4608	0.007
33344.646741	0.646741	12.236	16-Apr-91	15:31:18	0.4651	0.007
33344.646745	0.646745	12.236	16-Apr-91	15:31:19	0.4709	0.007
33344.646748	0.646748	12.243	16-Apr-91	15:31:19	0.4752	0.000
33344.646751	0.646751	12.236	16-Apr-91	15:31:19	0.4795	0.007
33344.646753	0.646753	12.236	16-Apr-91	15:31:19	0.4824	0.007
33344.646757	0.646757	12.243	16-Apr-91	15:31:20	0.4882	0.000
33344.646759	0.646759	12.243	16-Apr-91	15:31:20	0.4910	0.000
33344.646764	0.646764	12.236	16-Apr-91	15:31:20	0.4982	0.007
33344.646766	0.646766	12.236	16-Apr-91	15:31:21	0.5011	0.007
33344.64677	0.64677	12.236	16-Apr-91	15:31:21	0.5069	0.007
33344.646772	0.646772	12.236	16-Apr-91	15:31:21	0.5098	0.007
33344.646775	0.646775	12.243	16-Apr-91	15:31:21	0.5141	0.000
33344.646778	0.646778	12.243	16-Apr-91	15:31:22	0.5184	0.000
33344.646782	0.646782	12.236	16-Apr-91	15:31:22	0.5242	0.007
33344.646785	0.646785	12.236	16-Apr-91	15:31:22	0.5285	0.007
33344.646788	0.646788	12.243	16-Apr-91	15:31:22	0.5328	0.000
33344.646791	0.646791	12.236	16-Apr-91	15:31:23	0.5371	0.007
33344.646794	0.646794	12.236	16-Apr-91	15:31:23	0.5414	0.007
33344.646796	0.646796	12.236	16-Apr-91	15:31:23	0.5443	0.007
33344.646801	0.646801	12.236	16-Apr-91	15:31:24	0.5515	0.007
33344.646803	0.646803	12.243	16-Apr-91	15:31:24	0.5544	0.000
33344.646807	0.646807	12.243	16-Apr-91	15:31:24	0.5602	0.000
33344.646809	0.646809	12.236	16-Apr-91	15:31:24	0.5630	0.007
33344.646813	0.646813	12.243	16-Apr-91	15:31:25	0.5688	0.000
33344.646815	0.646815	12.243	16-Apr-91	15:31:25	0.5717	0.000
33344.646819	0.646819	12.236	16-Apr-91	15:31:25	0.5774	0.007
33344.646822	0.646822	12.243	16-Apr-91	15:31:25	0.5818	0.000
33344.646825	0.646825	12.243	16-Apr-91	15:31:26	0.5861	0.000
33344.646828	0.646828	12.236	16-Apr-91	15:31:26	0.5904	0.007
33344.64683	0.64683	12.243	16-Apr-91	15:31:26	0.5933	0.000
33344.646833	0.646833	12.243	16-Apr-91	15:31:26	0.5976	0.000
33344.646838	0.646838	12.236	16-Apr-91	15:31:27	0.6048	0.007
33344.64684	0.64684	12.243	16-Apr-91	15:31:27	0.6077	0.000
33344.646844	0.646844	12.243	16-Apr-91	15:31:27	0.6134	0.000
33344.646846	0.646846	12.243	16-Apr-91	15:31:27	0.6163	0.000
33344.646848	0.646848	12.236	16-Apr-91	15:31:28	0.6192	0.007
33344.646852	0.646852	12.243	16-Apr-91	15:31:28	0.6250	0.000

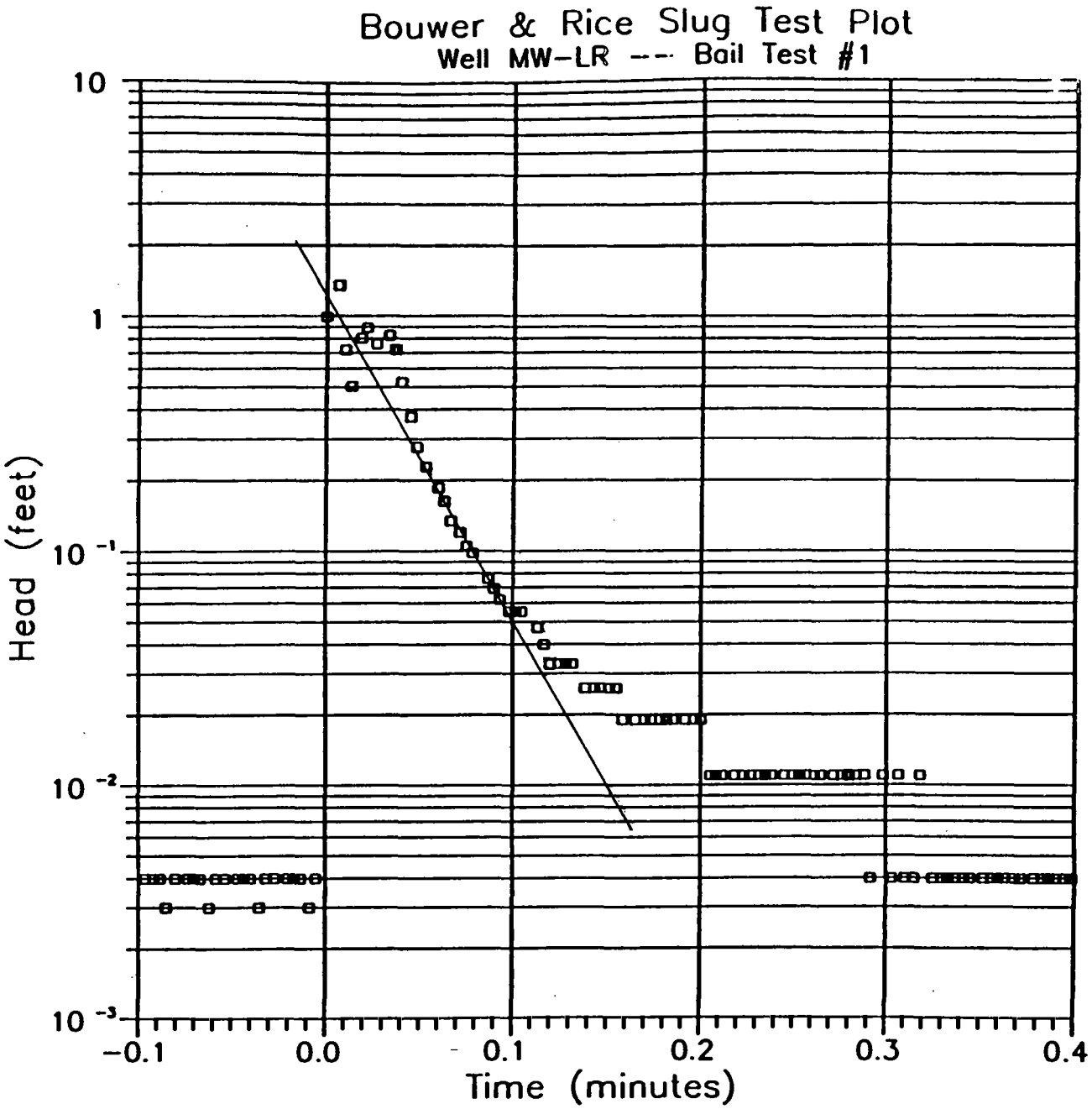
33344.646856	0.646856	12.236	16-Apr-91	15:31:28	0.6307	0.007
33344.646859	0.646859	12.243	16-Apr-91	15:31:29	0.6350	0.000
33344.646862	0.646862	12.243	16-Apr-91	15:31:29	0.6394	0.000
33344.646865	0.646865	12.243	16-Apr-91	15:31:29	0.6437	0.000
33344.646867	0.646867	12.243	16-Apr-91	15:31:29	0.6466	0.000
33344.64687	0.64687	12.236	16-Apr-91	15:31:30	0.6509	0.007
33344.646875	0.646875	12.236	16-Apr-91	15:31:30	0.6581	0.007
33344.646877	0.646877	12.243	16-Apr-91	15:31:30	0.6610	0.000
33344.646881	0.646881	12.243	16-Apr-91	15:31:31	0.6667	0.000
33344.646883	0.646883	12.243	16-Apr-91	15:31:31	0.6696	0.000
33344.646885	0.646885	12.243	16-Apr-91	15:31:31	0.6725	0.000
33344.646889	0.646889	12.243	16-Apr-91	15:31:31	0.6782	0.000
33344.646894	0.646894	12.236	16-Apr-91	15:31:32	0.6854	0.007
33344.646896	0.646896	12.236	16-Apr-91	15:31:32	0.6883	0.007
33344.646899	0.646899	12.243	16-Apr-91	15:31:32	0.6926	0.000
33344.646902	0.646902	12.243	16-Apr-91	15:31:32	0.6970	0.000
33344.646904	0.646904	12.243	16-Apr-91	15:31:33	0.6998	0.000
33344.646907	0.646907	12.243	16-Apr-91	15:31:33	0.7042	0.000
33344.646912	0.646912	12.243	16-Apr-91	15:31:33	0.7114	0.000
33344.646914	0.646914	12.243	16-Apr-91	15:31:33	0.7142	0.000
33344.646918	0.646918	12.236	16-Apr-91	15:31:34	0.7200	0.007
33344.64692	0.64692	12.243	16-Apr-91	15:31:34	0.7229	0.000
33344.646922	0.646922	12.243	16-Apr-91	15:31:34	0.7258	0.000
33344.646926	0.646926	12.243	16-Apr-91	15:31:34	0.7315	0.000
33344.646931	0.646931	12.236	16-Apr-91	15:31:35	0.7387	0.007
33344.646933	0.646933	12.243	16-Apr-91	15:31:35	0.7416	0.000
33344.646936	0.646936	12.236	16-Apr-91	15:31:35	0.7459	0.007
33344.646939	0.646939	12.243	16-Apr-91	15:31:36	0.7502	0.000
33344.646941	0.646941	12.243	16-Apr-91	15:31:36	0.7531	0.000
33344.646944	0.646944	12.243	16-Apr-91	15:31:36	0.7574	0.000
33344.646949	0.646949	12.236	16-Apr-91	15:31:36	0.7646	0.007
33344.646951	0.646951	12.243	16-Apr-91	15:31:37	0.7675	0.000
33344.646955	0.646955	12.236	16-Apr-91	15:31:37	0.7733	0.007
33344.646957	0.646957	12.243	16-Apr-91	15:31:37	0.7762	0.000
33344.646959	0.646959	12.243	16-Apr-91	15:31:37	0.7790	0.000
33344.646963	0.646963	12.243	16-Apr-91	15:31:38	0.7848	0.000
33344.646968	0.646968	12.243	16-Apr-91	15:31:38	0.7920	0.000
33344.64697	0.64697	12.243	16-Apr-91	15:31:38	0.7949	0.000
33344.646972	0.646972	12.243	16-Apr-91	15:31:38	0.7978	0.000
33344.646976	0.646976	12.243	16-Apr-91	15:31:39	0.8035	0.000
33344.646978	0.646978	12.243	16-Apr-91	15:31:39	0.8064	0.000
33344.646981	0.646981	12.243	16-Apr-91	15:31:39	0.8107	0.000
33344.646986	0.646986	12.243	16-Apr-91	15:31:40	0.8179	0.000
33344.646988	0.646988	12.243	16-Apr-91	15:31:40	0.8208	0.000
33344.646991	0.646991	12.243	16-Apr-91	15:31:40	0.8251	0.000
33344.646994	0.646994	12.243	16-Apr-91	15:31:40	0.8294	0.000
33344.646997	0.646997	12.243	16-Apr-91	15:31:41	0.8338	0.000

33344.647	0.647	12.243	16-Apr-91	15:31:41	0.8381	0.000
33344.647005	0.647005	12.243	16-Apr-91	15:31:41	0.8453	0.000
33344.647007	0.647007	12.243	16-Apr-91	15:31:41	0.8482	0.000
33344.647009	0.647009	12.243	16-Apr-91	15:31:42	0.8510	0.000
33344.647013	0.647013	12.243	16-Apr-91	15:31:42	0.8568	0.000
33344.647015	0.647015	12.243	16-Apr-91	15:31:42	0.8597	0.000
33344.647019	0.647019	12.243	16-Apr-91	15:31:42	0.8654	0.000
33344.647023	0.647023	12.243	16-Apr-91	15:31:43	0.8712	0.000
33344.647025	0.647025	12.243	16-Apr-91	15:31:43	0.8741	0.000
33344.647028	0.647028	12.243	16-Apr-91	15:31:43	0.8784	0.000
33344.647031	0.647031	12.243	16-Apr-91	15:31:43	0.8827	0.000
33344.647034	0.647034	12.243	16-Apr-91	15:31:44	0.8870	0.000
33344.647037	0.647037	12.243	16-Apr-91	15:31:44	0.8914	0.000
33344.647042	0.647042	12.243	16-Apr-91	15:31:44	0.8986	0.000
33344.647044	0.647044	12.243	16-Apr-91	15:31:45	0.9014	0.000
33344.647046	0.647046	12.243	16-Apr-91	15:31:45	0.9043	0.000
33344.64705	0.64705	12.243	16-Apr-91	15:31:45	0.9101	0.000
33344.647052	0.647052	12.243	16-Apr-91	15:31:45	0.9130	0.000
33344.647054	0.647054	12.243	16-Apr-91	15:31:45	0.9158	0.000
33344.64706	0.64706	12.243	16-Apr-91	15:31:46	0.9245	0.000
33344.647063	0.647063	12.243	16-Apr-91	15:31:46	0.9288	0.000
33344.647065	0.647065	12.243	16-Apr-91	15:31:46	0.9317	0.000
33344.647068	0.647068	12.243	16-Apr-91	15:31:47	0.9360	0.000
33344.647071	0.647071	12.243	16-Apr-91	15:31:47	0.9403	0.000
33344.647073	0.647073	12.243	16-Apr-91	15:31:47	0.9432	0.000
33344.647079	0.647079	12.243	16-Apr-91	15:31:48	0.9518	0.000
33344.647081	0.647081	12.243	16-Apr-91	15:31:48	0.9547	0.000
33344.647083	0.647083	12.243	16-Apr-91	15:31:48	0.9576	0.000
33344.647087	0.647087	12.243	16-Apr-91	15:31:48	0.9634	0.000
33344.647089	0.647089	12.243	16-Apr-91	15:31:48	0.9662	0.000
33344.647091	0.647091	12.243	16-Apr-91	15:31:49	0.9691	0.000
33344.647097	0.647097	12.243	16-Apr-91	15:31:49	0.9778	0.000
33344.6471	0.6471	12.243	16-Apr-91	15:31:49	0.9821	0.000
33344.647102	0.647102	12.243	16-Apr-91	15:31:50	0.9850	0.000
33344.647105	0.647105	12.25	16-Apr-91	15:31:50	0.9893	0.007
33344.647108	0.647108	12.243	16-Apr-91	15:31:50	0.9936	0.000
33344.64711	0.64711	12.243	16-Apr-91	15:31:50	0.9965	0.000
33344.647115	0.647115	12.243	16-Apr-91	15:31:51	1.0037	0.000
33344.647118	0.647118	12.243	16-Apr-91	15:31:51	1.0080	0.000
33344.64712	0.64712	12.236	16-Apr-91	15:31:51	1.0109	0.007
33344.647124	0.647124	12.243	16-Apr-91	15:31:52	1.0166	0.000
33344.647126	0.647126	12.243	16-Apr-91	15:31:52	1.0195	0.000
33344.647128	0.647128	12.243	16-Apr-91	15:31:52	1.0224	0.000
33344.647133	0.647133	12.243	16-Apr-91	15:31:52	1.0296	0.000
33344.647137	0.647137	12.243	16-Apr-91	15:31:53	1.0354	0.000
33344.647139	0.647139	12.243	16-Apr-91	15:31:53	1.0382	0.000
33344.647142	0.647142	12.243	16-Apr-91	15:31:53	1.0426	0.000

33344.647145	0.647145	12.243	16-Apr-91	15:31:53	1.0469	0.000
33344.647147	0.647147	12.243	16-Apr-91	15:31:54	1.0498	0.000
33344.647152	0.647152	12.243	16-Apr-91	15:31:54	1.0570	0.000
33344.647155	0.647155	12.243	16-Apr-91	15:31:54	1.0613	0.000
33344.647157	0.647157	12.236	16-Apr-91	15:31:54	1.0642	0.007
33344.647161	0.647161	12.243	16-Apr-91	15:31:55	1.0699	0.000
33344.647163	0.647163	12.243	16-Apr-91	15:31:55	1.0728	0.000
33344.647166	0.647166	12.243	16-Apr-91	15:31:55	1.0771	0.000
33344.64717	0.64717	12.243	16-Apr-91	15:31:55	1.0829	0.000
33344.647174	0.647174	12.243	16-Apr-91	15:31:56	1.0886	0.000
33344.647176	0.647176	12.243	16-Apr-91	15:31:56	1.0915	0.000
33344.647179	0.647179	12.243	16-Apr-91	15:31:56	1.0958	0.000
33344.647182	0.647182	12.243	16-Apr-91	15:31:57	1.1002	0.000
33344.647184	0.647184	12.243	16-Apr-91	15:31:57	1.1030	0.000
33344.647189	0.647189	12.243	16-Apr-91	15:31:57	1.1102	0.000
33344.647192	0.647192	12.25	16-Apr-91	15:31:57	1.1146	0.007
33344.647194	0.647194	12.243	16-Apr-91	15:31:58	1.1174	0.000
33344.647197	0.647197	12.243	16-Apr-91	15:31:58	1.1218	0.000
33344.6472	0.6472	12.243	16-Apr-91	15:31:58	1.1261	0.000
33344.647203	0.647203	12.243	16-Apr-91	15:31:58	1.1304	0.000
33344.647207	0.647207	12.236	16-Apr-91	15:31:59	1.1362	0.007
33344.647211	0.647211	12.243	16-Apr-91	15:31:59	1.1419	0.000
33344.647213	0.647213	12.243	16-Apr-91	15:31:59	1.1448	0.000
33344.647215	0.647215	12.243	16-Apr-91	15:31:59	1.1477	0.000
33344.647219	0.647219	12.243	16-Apr-91	15:32:00	1.1534	0.000
33344.647221	0.647221	12.243	16-Apr-91	15:32:00	1.1563	0.000
33344.647226	0.647226	12.236	16-Apr-91	15:32:00	1.1635	0.007
33344.647229	0.647229	12.243	16-Apr-91	15:32:01	1.1678	0.000
33344.647231	0.647231	12.243	16-Apr-91	15:32:01	1.1707	0.000
33344.647234	0.647234	12.243	16-Apr-91	15:32:01	1.1750	0.000
33344.647237	0.647237	12.243	16-Apr-91	15:32:01	1.1794	0.000
33344.64724	0.64724	12.243	16-Apr-91	15:32:02	1.1837	0.000
33344.647244	0.647244	12.236	16-Apr-91	15:32:02	1.1894	0.007
33344.647248	0.647248	12.243	16-Apr-91	15:32:02	1.1952	0.000
33344.64725	0.64725	12.243	16-Apr-91	15:32:02	1.1981	0.000
33344.647252	0.647252	12.243	16-Apr-91	15:32:03	1.2010	0.000
33344.647256	0.647256	12.243	16-Apr-91	15:32:03	1.2067	0.000
33344.647258	0.647258	12.243	16-Apr-91	15:32:03	1.2096	0.000
33344.647263	0.647263	12.243	16-Apr-91	15:32:04	1.2168	0.000
33344.647266	0.647266	12.243	16-Apr-91	15:32:04	1.2211	0.000
33344.647269	0.647269	12.243	16-Apr-91	15:32:04	1.2254	0.000
33344.647271	0.647271	12.243	16-Apr-91	15:32:04	1.2283	0.000
33344.647274	0.647274	12.243	16-Apr-91	15:32:04	1.2326	0.000
33344.647277	0.647277	12.243	16-Apr-91	15:32:05	1.2370	0.000
33344.647281	0.647281	12.243	16-Apr-91	15:32:05	1.2427	0.000
33344.647285	0.647285	12.243	16-Apr-91	15:32:05	1.2485	0.000
33344.647287	0.647287	12.243	16-Apr-91	15:32:06	1.2514	0.000

33344.647289	0.647289	12.25	16-Apr-91	15:32:06	1.2542	0.007
33344.647293	0.647293	12.243	16-Apr-91	15:32:06	1.2600	0.000
33344.647295	0.647295	12.243	16-Apr-91	15:32:06	1.2629	0.000
33344.6473	0.6473	12.243	16-Apr-91	15:32:07	1.2701	0.000
33344.647303	0.647303	12.243	16-Apr-91	15:32:07	1.2744	0.000
33344.647306	0.647306	12.243	16-Apr-91	15:32:07	1.2787	0.000
33344.647308	0.647308	12.243	16-Apr-91	15:32:07	1.2816	0.000
33344.647311	0.647311	12.243	16-Apr-91	15:32:08	1.2859	0.000
33344.647314	0.647314	12.243	16-Apr-91	15:32:08	1.2902	0.000
33344.647318	0.647318	12.243	16-Apr-91	15:32:08	1.2960	0.000
33344.647322	0.647322	12.243	16-Apr-91	15:32:09	1.3018	0.000
33344.647324	0.647324	12.243	16-Apr-91	15:32:09	1.3046	0.000
33344.647326	0.647326	12.243	16-Apr-91	15:32:09	1.3075	0.000
33344.64733	0.64733	12.243	16-Apr-91	15:32:09	1.3133	0.000
33344.647332	0.647332	12.243	16-Apr-91	15:32:09	1.3162	0.000
33344.647337	0.647337	12.243	16-Apr-91	15:32:10	1.3234	0.000
33344.64734	0.64734	12.243	16-Apr-91	15:32:10	1.3277	0.000
33344.647343	0.647343	12.243	16-Apr-91	15:32:10	1.3320	0.000
33344.647345	0.647345	12.243	16-Apr-91	15:32:11	1.3349	0.000
33344.647348	0.647348	12.243	16-Apr-91	15:32:11	1.3392	0.000
33344.647351	0.647351	12.243	16-Apr-91	15:32:11	1.3435	0.000
33344.647355	0.647355	12.243	16-Apr-91	15:32:11	1.3493	0.000
33344.647358	0.647358	12.243	16-Apr-91	15:32:12	1.3536	0.000
33344.647361	0.647361	12.243	16-Apr-91	15:32:12	1.3579	0.000
33344.647363	0.647363	12.243	16-Apr-91	15:32:12	1.3608	0.000
33344.647367	0.647367	12.243	16-Apr-91	15:32:13	1.3666	0.000
33344.647369	0.647369	12.243	16-Apr-91	15:32:13	1.3694	0.000
33344.647374	0.647374	12.243	16-Apr-91	15:32:13	1.3766	0.000
33344.647376	0.647376	12.243	16-Apr-91	15:32:13	1.3795	0.000
33344.64738	0.64738	12.243	16-Apr-91	15:32:14	1.3853	0.000
33344.647382	0.647382	12.243	16-Apr-91	15:32:14	1.3882	0.000
33344.647385	0.647385	12.243	16-Apr-91	15:32:14	1.3925	0.000
33344.647388	0.647388	12.243	16-Apr-91	15:32:14	1.3968	0.000
33344.647392	0.647392	12.243	16-Apr-91	15:32:15	1.4026	0.000
33344.647395	0.647395	12.243	16-Apr-91	15:32:15	1.4069	0.000
33344.647398	0.647398	12.243	16-Apr-91	15:32:15	1.4112	0.000
33344.6474	0.6474	12.243	16-Apr-91	15:32:15	1.4141	0.000
33344.647404	0.647404	12.243	16-Apr-91	15:32:16	1.4198	0.000
33344.647406	0.647406	12.243	16-Apr-91	15:32:16	1.4227	0.000
33344.647411	0.647411	12.243	16-Apr-91	15:32:16	1.4299	0.000
33344.647413	0.647413	12.243	16-Apr-91	15:32:16	1.4328	0.000
33344.647417	0.647417	12.243	16-Apr-91	15:32:17	1.4386	0.000
33344.647419	0.647419	12.243	16-Apr-91	15:32:17	1.4414	0.000
33344.647422	0.647422	12.243	16-Apr-91	15:32:17	1.4458	0.000
33344.647425	0.647425	12.243	16-Apr-91	15:32:18	1.4501	0.000
33344.647429	0.647429	12.243	16-Apr-91	15:32:18	1.4558	0.000
33344.647432	0.647432	12.243	16-Apr-91	15:32:18	1.4602	0.000

33344.647435	0.647435	12.243	16-Apr-91	15:32:18	1.4645	0.000
33344.647437	0.647437	12.243	16-Apr-91	15:32:19	1.4674	0.000
33344.647441	0.647441	12.243	16-Apr-91	15:32:19	1.4731	0.000
33344.647443	0.647443	12.243	16-Apr-91	15:32:19	1.4760	0.000
33344.647448	0.647448	12.243	16-Apr-91	15:32:20	1.4832	0.000
33344.64745	0.64745	12.243	16-Apr-91	15:32:20	1.4861	0.000
33344.647454	0.647454	12.243	16-Apr-91	15:32:20	1.4918	0.000
33344.647456	0.647456	12.243	16-Apr-91	15:32:20	1.4947	0.000
33344.647459	0.647459	12.243	16-Apr-91	15:32:20	1.4990	0.000
33344.647462	0.647462	12.243	16-Apr-91	15:32:21	1.5034	0.000
33344.647466	0.647466	12.236	16-Apr-91	15:32:21	1.5091	0.007
33344.647469	0.647469	12.243	16-Apr-91	15:32:21	1.5134	0.000
33344.647472	0.647472	12.243	16-Apr-91	15:32:22	1.5178	0.000
33344.647475	0.647475	12.243	16-Apr-91	15:32:22	1.5221	0.000
33344.647477	0.647477	12.243	16-Apr-91	15:32:22	1.5250	0.000
33344.64748	0.64748	12.243	16-Apr-91	15:32:22	1.5293	0.000


Bouwer & Rice Slug Test Plot
Well MW-LR --- Bail Test #1
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-LR

Initial DTW (bgs) @ time < 0:	22.5	(feet)
Depth to top of sandpack:	13.8	(feet)
Depth to top of screen:	14.8	(feet)
H = Initial head @ time < 0:	11.02	(feet)
H(0)= Maximum head (@ t ~ 0):	1.35	(feet)
D = Length of well screen:	19.9	(feet)
L = Length of saturated sandpack:	13.8	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	3.0	(inches)
d = Length watertable to bottom of well:	13.3	(feet)
Length watertable to bottom of sandpack:	13.8	(feet)
b = Aquifer saturated thickness:	13.4	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	16:29:38
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	11.016

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.687162	0.687162	11.009	16-Apr-91	16:29:31	-0.1181	0.007	
33344.687164	0.687164	11.016	16-Apr-91	16:29:31	-0.1152	0.000	
33344.687167	0.687167	11.016	16-Apr-91	16:29:31	-0.1109	0.000	
33344.68717	0.68717	11.016	16-Apr-91	16:29:31	-0.1066	0.000	
33344.687175	0.687175	11.016	16-Apr-91	16:29:32	-0.0994	0.000	
33344.687177	0.687177	11.016	16-Apr-91	16:29:32	-0.0965	0.000	
33344.687181	0.687181	11.016	16-Apr-91	16:29:32	-0.0907	0.000	
33344.687183	0.687183	11.016	16-Apr-91	16:29:33	-0.0878	0.000	
33344.687185	0.687185	11.023	16-Apr-91	16:29:33	-0.0850	0.007	
33344.687189	0.687189	11.016	16-Apr-91	16:29:33	-0.0792	0.000	
33344.687193	0.687193	11.016	16-Apr-91	16:29:33	-0.0734	0.000	
33344.687196	0.687196	11.016	16-Apr-91	16:29:34	-0.0691	0.000	
33344.687198	0.687198	11.016	16-Apr-91	16:29:34	-0.0662	0.000	
33344.687201	0.687201	11.023	16-Apr-91	16:29:34	-0.0619	0.007	
33344.687204	0.687204	11.016	16-Apr-91	16:29:34	-0.0576	0.000	
33344.687207	0.687207	11.016	16-Apr-91	16:29:35	-0.0533	0.000	
33344.687212	0.687212	11.016	16-Apr-91	16:29:35	-0.0461	0.000	
33344.687214	0.687214	11.016	16-Apr-91	16:29:35	-0.0432	0.000	
33344.687216	0.687216	11.016	16-Apr-91	16:29:35	-0.0403	0.000	

33344.68722	0.68722	11.023	16-Apr-91	16:29:36	-0.0346	0.007	
33344.687222	0.687222	11.016	16-Apr-91	16:29:36	-0.0317	0.000	
33344.687226	0.687226	11.016	16-Apr-91	16:29:36	-0.0259	0.000	
33344.68723	0.68723	11.016	16-Apr-91	16:29:37	-0.0202	0.000	
33344.687233	0.687233	11.016	16-Apr-91	16:29:37	-0.0158	0.000	
33344.687235	0.687235	11.016	16-Apr-91	16:29:37	-0.0130	0.000	
33344.687238	0.687238	11.023	16-Apr-91	16:29:37	-0.0086	0.007	
33344.687241	0.687241	11.016	16-Apr-91	16:29:38	-0.0043	0.000	
33344.687244	0.687244	10.027	16-Apr-91	16:29:38	0.0000	0.989	Start bail test
33344.687249	0.687249	9.6659	16-Apr-91	16:29:38	0.0072	1.350	
33344.687251	0.687251	10.301	16-Apr-91	16:29:38	0.0101	0.715	
33344.687253	0.687253	10.518	16-Apr-91	16:29:39	0.0130	0.498	
33344.687257	0.687257	10.215	16-Apr-91	16:29:39	0.0187	0.801	
33344.687259	0.687259	10.128	16-Apr-91	16:29:39	0.0216	0.888	
33344.687263	0.687263	10.258	16-Apr-91	16:29:40	0.0274	0.758	
33344.687267	0.687267	10.193	16-Apr-91	16:29:40	0.0331	0.823	
33344.68727	0.68727	10.301	16-Apr-91	16:29:40	0.0374	0.715	
33344.687272	0.687272	10.496	16-Apr-91	16:29:40	0.0403	0.520	
33344.687275	0.687275	10.648	16-Apr-91	16:29:41	0.0446	0.368	
33344.687278	0.687278	10.742	16-Apr-91	16:29:41	0.0490	0.274	
33344.687281	0.687281	10.792	16-Apr-91	16:29:41	0.0533	0.224	
33344.687286	0.687286	10.835	16-Apr-91	16:29:42	0.0605	0.181	
33344.687288	0.687288	10.857	16-Apr-91	16:29:42	0.0634	0.159	
33344.687291	0.687291	10.886	16-Apr-91	16:29:42	0.0677	0.130	
33344.687294	0.687294	10.9	16-Apr-91	16:29:42	0.0720	0.116	
33344.687296	0.687296	10.915	16-Apr-91	16:29:42	0.0749	0.101	
33344.687299	0.687299	10.922	16-Apr-91	16:29:43	0.0792	0.094	
33344.687304	0.687304	10.944	16-Apr-91	16:29:43	0.0864	0.072	
33344.687307	0.687307	10.951	16-Apr-91	16:29:43	0.0907	0.065	
33344.687309	0.687309	10.958	16-Apr-91	16:29:43	0.0936	0.058	
33344.687313	0.687313	10.965	16-Apr-91	16:29:44	0.0994	0.051	
33344.687315	0.687315	10.965	16-Apr-91	16:29:44	0.1022	0.051	
33344.687317	0.687317	10.965	16-Apr-91	16:29:44	0.1051	0.051	
33344.687323	0.687323	10.973	16-Apr-91	16:29:45	0.1138	0.043	
33344.687325	0.687325	10.98	16-Apr-91	16:29:45	0.1166	0.036	
33344.687328	0.687328	10.987	16-Apr-91	16:29:45	0.1210	0.029	
33344.687331	0.687331	10.987	16-Apr-91	16:29:45	0.1253	0.029	
33344.687333	0.687333	10.987	16-Apr-91	16:29:46	0.1282	0.029	
33344.687336	0.687336	10.987	16-Apr-91	16:29:46	0.1325	0.029	
33344.68734	0.68734	10.994	16-Apr-91	16:29:46	0.1382	0.022	
33344.687344	0.687344	10.994	16-Apr-91	16:29:47	0.1440	0.022	
33344.687346	0.687346	10.994	16-Apr-91	16:29:47	0.1469	0.022	
33344.68735	0.68735	10.994	16-Apr-91	16:29:47	0.1526	0.022	
33344.687352	0.687352	10.994	16-Apr-91	16:29:47	0.1555	0.022	
33344.687354	0.687354	11.001	16-Apr-91	16:29:47	0.1584	0.015	
33344.687359	0.687359	11.001	16-Apr-91	16:29:48	0.1656	0.015	
33344.687362	0.687362	11.001	16-Apr-91	16:29:48	0.1699	0.015	

33344.687365	0.687365	11.001	16-Apr-91	16:29:48	0.1742	0.015
33344.687368	0.687368	11.001	16-Apr-91	16:29:49	0.1786	0.015
33344.68737	0.68737	11.001	16-Apr-91	16:29:49	0.1814	0.015
33344.687373	0.687373	11.001	16-Apr-91	16:29:49	0.1858	0.015
33344.687377	0.687377	11.001	16-Apr-91	16:29:49	0.1915	0.015
33344.687381	0.687381	11.001	16-Apr-91	16:29:50	0.1973	0.015
33344.687383	0.687383	11.001	16-Apr-91	16:29:50	0.2002	0.015
33344.687387	0.687387	11.009	16-Apr-91	16:29:50	0.2059	0.007
33344.687389	0.687389	11.009	16-Apr-91	16:29:50	0.2088	0.007
33344.687391	0.687391	11.009	16-Apr-91	16:29:51	0.2117	0.007
33344.687396	0.687396	11.009	16-Apr-91	16:29:51	0.2189	0.007
33344.687399	0.687399	11.009	16-Apr-91	16:29:51	0.2232	0.007
33344.687402	0.687402	11.009	16-Apr-91	16:29:52	0.2275	0.007
33344.687405	0.687405	11.009	16-Apr-91	16:29:52	0.2318	0.007
33344.687407	0.687407	11.009	16-Apr-91	16:29:52	0.2347	0.007
33344.68741	0.68741	11.009	16-Apr-91	16:29:52	0.2390	0.007
33344.687414	0.687414	11.009	16-Apr-91	16:29:53	0.2448	0.007
33344.687418	0.687418	11.009	16-Apr-91	16:29:53	0.2506	0.007
33344.68742	0.68742	11.009	16-Apr-91	16:29:53	0.2534	0.007
33344.687422	0.687422	11.009	16-Apr-91	16:29:53	0.2563	0.007
33344.687426	0.687426	11.009	16-Apr-91	16:29:54	0.2621	0.007
33344.687428	0.687428	11.009	16-Apr-91	16:29:54	0.2650	0.007
33344.687433	0.687433	11.009	16-Apr-91	16:29:54	0.2722	0.007
33344.687436	0.687436	11.009	16-Apr-91	16:29:54	0.2765	0.007
33344.687439	0.687439	11.009	16-Apr-91	16:29:55	0.2808	0.007
33344.687441	0.687441	11.009	16-Apr-91	16:29:55	0.2837	0.007
33344.687444	0.687444	11.009	16-Apr-91	16:29:55	0.2880	0.007
33344.687447	0.687447	11.016	16-Apr-91	16:29:55	0.2923	0.000
33344.687451	0.687451	11.009	16-Apr-91	16:29:56	0.2981	0.007
33344.687455	0.687455	11.016	16-Apr-91	16:29:56	0.3038	0.000
33344.687457	0.687457	11.009	16-Apr-91	16:29:56	0.3067	0.007
33344.687459	0.687459	11.016	16-Apr-91	16:29:56	0.3096	0.000
33344.687463	0.687463	11.016	16-Apr-91	16:29:57	0.3154	0.000
33344.687465	0.687465	11.009	16-Apr-91	16:29:57	0.3182	0.007
33344.68747	0.68747	11.016	16-Apr-91	16:29:57	0.3254	0.000
33344.687473	0.687473	11.016	16-Apr-91	16:29:58	0.3298	0.000
33344.687476	0.687476	11.016	16-Apr-91	16:29:58	0.3341	0.000
33344.687478	0.687478	11.016	16-Apr-91	16:29:58	0.3370	0.000
33344.687481	0.687481	11.016	16-Apr-91	16:29:58	0.3413	0.000
33344.687484	0.687484	11.016	16-Apr-91	16:29:59	0.3456	0.000
33344.687488	0.687488	11.016	16-Apr-91	16:29:59	0.3514	0.000
33344.687492	0.687492	11.016	16-Apr-91	16:29:59	0.3571	0.000
33344.687494	0.687494	11.016	16-Apr-91	16:29:59	0.3600	0.000
33344.687497	0.687497	11.016	16-Apr-91	16:30:00	0.3643	0.000
33344.6875	0.6875	11.016	16-Apr-91	16:30:00	0.3686	0.000
33344.687502	0.687502	11.016	16-Apr-91	16:30:00	0.3715	0.000
33344.687507	0.687507	11.016	16-Apr-91	16:30:01	0.3787	0.000

33344.68751	0.68751	11.016	16-Apr-91	16:30:01	0.3830	0.000
33344.687513	0.687513	11.016	16-Apr-91	16:30:01	0.3874	0.000
33344.687515	0.687515	11.016	16-Apr-91	16:30:01	0.3902	0.000
33344.687519	0.687519	11.016	16-Apr-91	16:30:02	0.3960	0.000
33344.687521	0.687521	11.016	16-Apr-91	16:30:02	0.3989	0.000
33344.687525	0.687525	11.016	16-Apr-91	16:30:02	0.4046	0.000
33344.687529	0.687529	11.016	16-Apr-91	16:30:03	0.4104	0.000
33344.687531	0.687531	11.016	16-Apr-91	16:30:03	0.4133	0.000
33344.687534	0.687534	11.016	16-Apr-91	16:30:03	0.4176	0.000
33344.687537	0.687537	11.016	16-Apr-91	16:30:03	0.4219	0.000
33344.687539	0.687539	11.016	16-Apr-91	16:30:03	0.4248	0.000
33344.687544	0.687544	11.016	16-Apr-91	16:30:04	0.4320	0.000
33344.687547	0.687547	11.016	16-Apr-91	16:30:04	0.4363	0.000
33344.68755	0.68755	11.016	16-Apr-91	16:30:04	0.4406	0.000
33344.687552	0.687552	11.016	16-Apr-91	16:30:04	0.4435	0.000
33344.687556	0.687556	11.016	16-Apr-91	16:30:05	0.4493	0.000
33344.687558	0.687558	11.016	16-Apr-91	16:30:05	0.4522	0.000
33344.687563	0.687563	11.016	16-Apr-91	16:30:05	0.4594	0.000
33344.687566	0.687566	11.016	16-Apr-91	16:30:06	0.4637	0.000
33344.687568	0.687568	11.016	16-Apr-91	16:30:06	0.4666	0.000
33344.687571	0.687571	11.016	16-Apr-91	16:30:06	0.4709	0.000
33344.687574	0.687574	11.016	16-Apr-91	16:30:06	0.4752	0.000
33344.687576	0.687576	11.016	16-Apr-91	16:30:07	0.4781	0.000
33344.687581	0.687581	11.016	16-Apr-91	16:30:07	0.4853	0.000
33344.687583	0.687583	11.016	16-Apr-91	16:30:07	0.4882	0.000
33344.687587	0.687587	11.016	16-Apr-91	16:30:08	0.4939	0.000
33344.687589	0.687589	11.016	16-Apr-91	16:30:08	0.4968	0.000
33344.687593	0.687593	11.016	16-Apr-91	16:30:08	0.5026	0.000
33344.687595	0.687595	11.016	16-Apr-91	16:30:08	0.5054	0.000
33344.6876	0.6876	11.016	16-Apr-91	16:30:09	0.5126	0.000
33344.687602	0.687602	11.016	16-Apr-91	16:30:09	0.5155	0.000
33344.687605	0.687605	11.016	16-Apr-91	16:30:09	0.5198	0.000
33344.687608	0.687608	11.016	16-Apr-91	16:30:09	0.5242	0.000
33344.687611	0.687611	11.016	16-Apr-91	16:30:10	0.5285	0.000
33344.687613	0.687613	11.016	16-Apr-91	16:30:10	0.5314	0.000
33344.687618	0.687618	11.016	16-Apr-91	16:30:10	0.5386	0.000
33344.68762	0.68762	11.016	16-Apr-91	16:30:10	0.5414	0.000
33344.687624	0.687624	11.016	16-Apr-91	16:30:11	0.5472	0.000
33344.687626	0.687626	11.016	16-Apr-91	16:30:11	0.5501	0.000
33344.68763	0.68763	11.016	16-Apr-91	16:30:11	0.5558	0.000
33344.687632	0.687632	11.016	16-Apr-91	16:30:11	0.5587	0.000
33344.687637	0.687637	11.016	16-Apr-91	16:30:12	0.5659	0.000
33344.687639	0.687639	11.016	16-Apr-91	16:30:12	0.5688	0.000
33344.687642	0.687642	11.016	16-Apr-91	16:30:12	0.5731	0.000
33344.687645	0.687645	11.016	16-Apr-91	16:30:13	0.5774	0.000
33344.687648	0.687648	11.016	16-Apr-91	16:30:13	0.5818	0.000
33344.68765	0.68765	11.023	16-Apr-91	16:30:13	0.5846	0.007

33344.687655	0.687655	11.023	16-Apr-91	16:30:13	0.5918	0.007
33344.687657	0.687657	11.023	16-Apr-91	16:30:14	0.5947	0.007
33344.687661	0.687661	11.023	16-Apr-91	16:30:14	0.6005	0.007
33344.687663	0.687663	11.023	16-Apr-91	16:30:14	0.6034	0.007
33344.687666	0.687666	11.023	16-Apr-91	16:30:14	0.6077	0.007
33344.687669	0.687669	11.016	16-Apr-91	16:30:15	0.6120	0.000
33344.687674	0.687674	11.016	16-Apr-91	16:30:15	0.6192	0.000
33344.687676	0.687676	11.016	16-Apr-91	16:30:15	0.6221	0.000
33344.687679	0.687679	11.016	16-Apr-91	16:30:15	0.6264	0.000
33344.687682	0.687682	11.016	16-Apr-91	16:30:16	0.6307	0.000
33344.687684	0.687684	11.016	16-Apr-91	16:30:16	0.6336	0.000
33344.687687	0.687687	11.016	16-Apr-91	16:30:16	0.6379	0.000
33344.687692	0.687692	11.016	16-Apr-91	16:30:17	0.6451	0.000
33344.687694	0.687694	11.016	16-Apr-91	16:30:17	0.6480	0.000
33344.687698	0.687698	11.016	16-Apr-91	16:30:17	0.6538	0.000
33344.6877	0.6877	11.023	16-Apr-91	16:30:17	0.6566	0.007
33344.687703	0.687703	11.016	16-Apr-91	16:30:18	0.6610	0.000
33344.687706	0.687706	11.023	16-Apr-91	16:30:18	0.6653	0.007
33344.687711	0.687711	11.016	16-Apr-91	16:30:18	0.6725	0.000
33344.687713	0.687713	11.023	16-Apr-91	16:30:18	0.6754	0.007
33344.687716	0.687716	11.016	16-Apr-91	16:30:19	0.6797	0.000
33344.687719	0.687719	11.023	16-Apr-91	16:30:19	0.6840	0.007
33344.687721	0.687721	11.016	16-Apr-91	16:30:19	0.6869	0.000
33344.687725	0.687725	11.016	16-Apr-91	16:30:19	0.6926	0.000
33344.687729	0.687729	11.016	16-Apr-91	16:30:20	0.6984	0.000
33344.687731	0.687731	11.016	16-Apr-91	16:30:20	0.7013	0.000
33344.687735	0.687735	11.016	16-Apr-91	16:30:20	0.7070	0.000
33344.687737	0.687737	11.023	16-Apr-91	16:30:20	0.7099	0.007
33344.68774	0.68774	11.016	16-Apr-91	16:30:21	0.7142	0.000
33344.687743	0.687743	11.016	16-Apr-91	16:30:21	0.7186	0.000
33344.687748	0.687748	11.016	16-Apr-91	16:30:21	0.7258	0.000
33344.68775	0.68775	11.016	16-Apr-91	16:30:22	0.7286	0.000
33344.687753	0.687753	11.016	16-Apr-91	16:30:22	0.7330	0.000
33344.687756	0.687756	11.016	16-Apr-91	16:30:22	0.7373	0.000
33344.687758	0.687758	11.016	16-Apr-91	16:30:22	0.7402	0.000
33344.687762	0.687762	11.023	16-Apr-91	16:30:23	0.7459	0.007
33344.687766	0.687766	11.016	16-Apr-91	16:30:23	0.7517	0.000
33344.687769	0.687769	11.016	16-Apr-91	16:30:23	0.7560	0.000
33344.687772	0.687772	11.016	16-Apr-91	16:30:24	0.7603	0.000
33344.687774	0.687774	11.016	16-Apr-91	16:30:24	0.7632	0.000
33344.687777	0.687777	11.016	16-Apr-91	16:30:24	0.7675	0.000
33344.68778	0.68778	11.016	16-Apr-91	16:30:24	0.7718	0.000
33344.687785	0.687785	11.016	16-Apr-91	16:30:25	0.7790	0.000
33344.687787	0.687787	11.016	16-Apr-91	16:30:25	0.7819	0.000
33344.687791	0.687791	11.016	16-Apr-91	16:30:25	0.7877	0.000
33344.687793	0.687793	11.023	16-Apr-91	16:30:25	0.7906	0.007
33344.687795	0.687795	11.023	16-Apr-91	16:30:25	0.7934	0.007

33344.687799	0.687799	11.016	16-Apr-91	16:30:26	0.7992	0.000
33344.687803	0.687803	11.016	16-Apr-91	16:30:26	0.8050	0.000
33344.687806	0.687806	11.016	16-Apr-91	16:30:26	0.8093	0.000
33344.687809	0.687809	11.023	16-Apr-91	16:30:27	0.8136	0.007
33344.687811	0.687811	11.016	16-Apr-91	16:30:27	0.8165	0.000
33344.687814	0.687814	11.016	16-Apr-91	16:30:27	0.8208	0.000
33344.687817	0.687817	11.016	16-Apr-91	16:30:27	0.8251	0.000
33344.687822	0.687822	11.016	16-Apr-91	16:30:28	0.8323	0.000
33344.687824	0.687824	11.016	16-Apr-91	16:30:28	0.8352	0.000
33344.687828	0.687828	11.023	16-Apr-91	16:30:28	0.8410	0.007
33344.68783	0.68783	11.016	16-Apr-91	16:30:29	0.8438	0.000
33344.687832	0.687832	11.016	16-Apr-91	16:30:29	0.8467	0.000
33344.687836	0.687836	11.016	16-Apr-91	16:30:29	0.8525	0.000
33344.68784	0.68784	11.016	16-Apr-91	16:30:29	0.8582	0.000
33344.687843	0.687843	11.016	16-Apr-91	16:30:30	0.8626	0.000
33344.687845	0.687845	11.016	16-Apr-91	16:30:30	0.8654	0.000
33344.687848	0.687848	11.016	16-Apr-91	16:30:30	0.8698	0.000
33344.687851	0.687851	11.023	16-Apr-91	16:30:30	0.8741	0.007
33344.687854	0.687854	11.016	16-Apr-91	16:30:31	0.8784	0.000
33344.687859	0.687859	11.016	16-Apr-91	16:30:31	0.8856	0.000
33344.687861	0.687861	11.016	16-Apr-91	16:30:31	0.8885	0.000
33344.687863	0.687863	11.023	16-Apr-91	16:30:31	0.8914	0.007
33344.687867	0.687867	11.016	16-Apr-91	16:30:32	0.8971	0.000
33344.687869	0.687869	11.016	16-Apr-91	16:30:32	0.9000	0.000
33344.687873	0.687873	11.016	16-Apr-91	16:30:32	0.9058	0.000
33344.687877	0.687877	11.016	16-Apr-91	16:30:33	0.9115	0.000
33344.68788	0.68788	11.023	16-Apr-91	16:30:33	0.9158	0.007
33344.687882	0.687882	11.023	16-Apr-91	16:30:33	0.9187	0.007
33344.687885	0.687885	11.023	16-Apr-91	16:30:33	0.9230	0.007
33344.687888	0.687888	11.016	16-Apr-91	16:30:34	0.9274	0.000
33344.687891	0.687891	11.023	16-Apr-91	16:30:34	0.9317	0.007
33344.687896	0.687896	11.023	16-Apr-91	16:30:34	0.9389	0.007
33344.687898	0.687898	11.016	16-Apr-91	16:30:34	0.9418	0.000
33344.6879	0.6879	11.016	16-Apr-91	16:30:35	0.9446	0.000
33344.687904	0.687904	11.016	16-Apr-91	16:30:35	0.9504	0.000
33344.687906	0.687906	11.016	16-Apr-91	16:30:35	0.9533	0.000
33344.68791	0.68791	11.023	16-Apr-91	16:30:35	0.9590	0.007
33344.687914	0.687914	11.016	16-Apr-91	16:30:36	0.9648	0.000
33344.687917	0.687917	11.016	16-Apr-91	16:30:36	0.9691	0.000
33344.687919	0.687919	11.016	16-Apr-91	16:30:36	0.9720	0.000
33344.687922	0.687922	11.016	16-Apr-91	16:30:36	0.9763	0.000
33344.687925	0.687925	11.023	16-Apr-91	16:30:37	0.9806	0.007
33344.687928	0.687928	11.016	16-Apr-91	16:30:37	0.9850	0.000
33344.687933	0.687933	11.016	16-Apr-91	16:30:37	0.9922	0.000
33344.687935	0.687935	11.016	16-Apr-91	16:30:38	0.9950	0.000
33344.687937	0.687937	11.016	16-Apr-91	16:30:38	0.9979	0.000
33344.687941	0.687941	11.016	16-Apr-91	16:30:38	1.0037	0.000

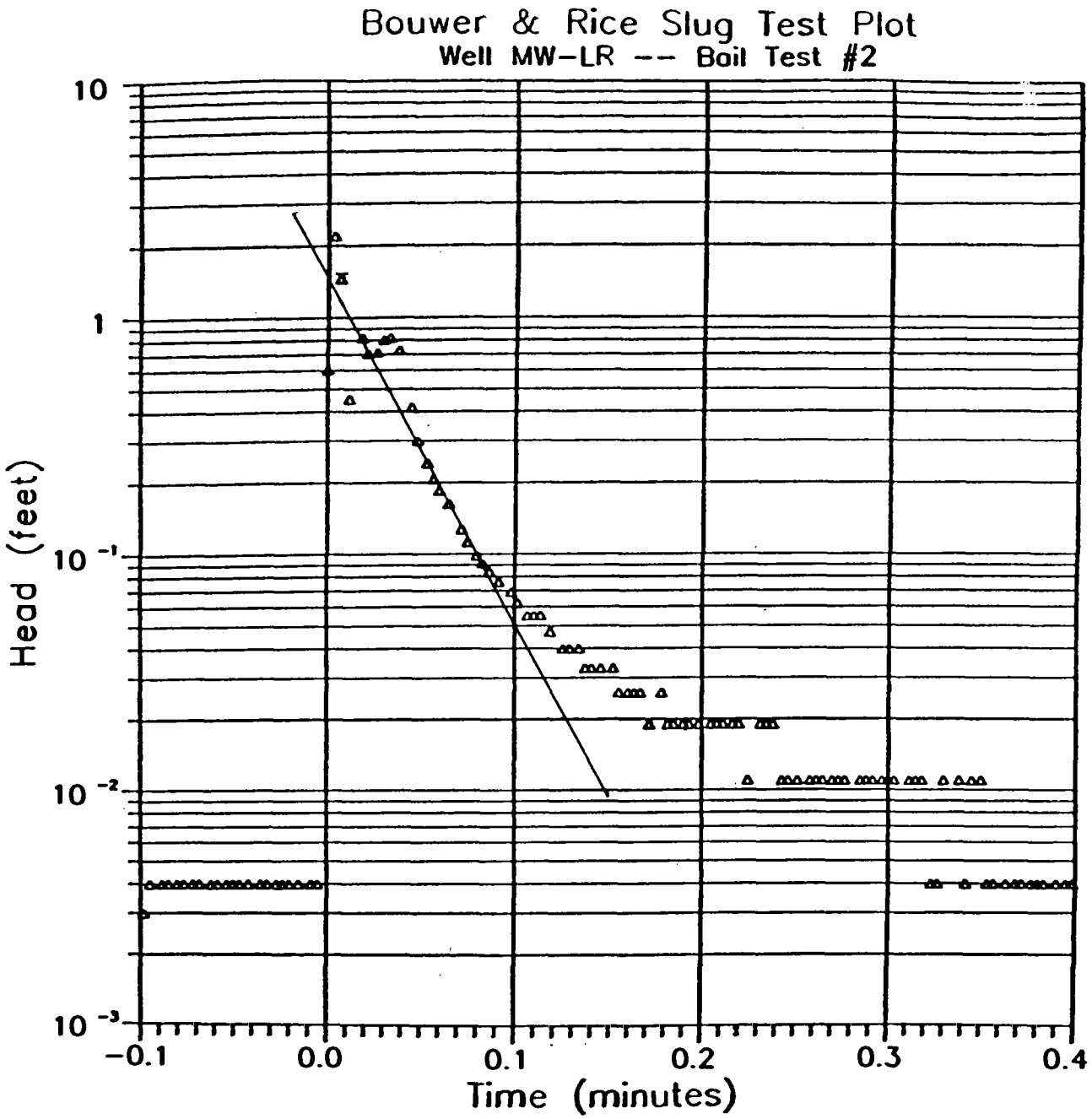
33344.687943	0.687943	11.016	16-Apr-91	16:30:38	1.0066	0.000
33344.687946	0.687946	11.016	16-Apr-91	16:30:39	1.0109	0.000
33344.687951	0.687951	11.016	16-Apr-91	16:30:39	1.0181	0.000
33344.687954	0.687954	11.023	16-Apr-91	16:30:39	1.0224	0.007
33344.687956	0.687956	11.016	16-Apr-91	16:30:39	1.0253	0.000
33344.687959	0.687959	11.016	16-Apr-91	16:30:40	1.0296	0.000
33344.687962	0.687962	11.023	16-Apr-91	16:30:40	1.0339	0.007
33344.687964	0.687964	11.016	16-Apr-91	16:30:40	1.0368	0.000
33344.68797	0.68797	11.016	16-Apr-91	16:30:41	1.0454	0.000
33344.687972	0.687972	11.016	16-Apr-91	16:30:41	1.0483	0.000
33344.687975	0.687975	11.023	16-Apr-91	16:30:41	1.0526	0.007
33344.687978	0.687978	11.016	16-Apr-91	16:30:41	1.0570	0.000
33344.68798	0.68798	11.016	16-Apr-91	16:30:41	1.0598	0.000
33344.687983	0.687983	11.023	16-Apr-91	16:30:42	1.0642	0.007
33344.687988	0.687988	11.016	16-Apr-91	16:30:42	1.0714	0.000
33344.687991	0.687991	11.016	16-Apr-91	16:30:42	1.0757	0.000
33344.687993	0.687993	11.016	16-Apr-91	16:30:43	1.0786	0.000
33344.687997	0.687997	11.016	16-Apr-91	16:30:43	1.0843	0.000
33344.687999	0.687999	11.016	16-Apr-91	16:30:43	1.0872	0.000
33344.688001	0.688001	11.016	16-Apr-91	16:30:43	1.0901	0.000
33344.688007	0.688007	11.016	16-Apr-91	16:30:44	1.0987	0.000
33344.688009	0.688009	11.023	16-Apr-91	16:30:44	1.1016	0.007
33344.688012	0.688012	11.023	16-Apr-91	16:30:44	1.1059	0.007
33344.688015	0.688015	11.016	16-Apr-91	16:30:44	1.1102	0.000
33344.688017	0.688017	11.016	16-Apr-91	16:30:45	1.1131	0.000
33344.68802	0.68802	11.016	16-Apr-91	16:30:45	1.1174	0.000
33344.688024	0.688024	11.016	16-Apr-91	16:30:45	1.1232	0.000
33344.688028	0.688028	11.016	16-Apr-91	16:30:46	1.1290	0.000
33344.68803	0.68803	11.016	16-Apr-91	16:30:46	1.1318	0.000
33344.688034	0.688034	11.016	16-Apr-91	16:30:46	1.1376	0.000
33344.688036	0.688036	11.016	16-Apr-91	16:30:46	1.1405	0.000
33344.688038	0.688038	11.016	16-Apr-91	16:30:46	1.1434	0.000
33344.688043	0.688043	11.016	16-Apr-91	16:30:47	1.1506	0.000
33344.688046	0.688046	11.023	16-Apr-91	16:30:47	1.1549	0.007
33344.688049	0.688049	11.016	16-Apr-91	16:30:47	1.1592	0.000
33344.688052	0.688052	11.016	16-Apr-91	16:30:48	1.1635	0.000
33344.688054	0.688054	11.016	16-Apr-91	16:30:48	1.1664	0.000
33344.688057	0.688057	11.023	16-Apr-91	16:30:48	1.1707	0.007
33344.688061	0.688061	11.016	16-Apr-91	16:30:48	1.1765	0.000
33344.688065	0.688065	11.016	16-Apr-91	16:30:49	1.1822	0.000
33344.688067	0.688067	11.016	16-Apr-91	16:30:49	1.1851	0.000
33344.688071	0.[illegible]3071	11.023	16-Apr-91	16:30:49	1.1909	0.007
33344.688073	0.688073	11.016	16-Apr-91	16:30:50	1.1938	0.000
33344.688075	0.688075	11.016	16-Apr-91	16:30:50	1.1966	0.000
33344.68808	0.68808	11.016	16-Apr-91	16:30:50	1.2038	0.000
33344.688083	0.688083	11.016	16-Apr-91	16:30:50	1.2082	0.000
33344.688086	0.68[illegible]36	11.023	16-Apr-91	16:30:51	1.2125	0.007

33344.688089	0.688089	11.016	16-Apr-91	16:30:51	1.2168	0.000
33344.688091	0.688091	11.023	16-Apr-91	16:30:51	1.2197	0.007
33344.688094	0.688094	11.016	16-Apr-91	16:30:51	1.2240	0.000
33344.688098	0.688098	11.016	16-Apr-91	16:30:52	1.2298	0.000
33344.688102	0.688102	11.023	16-Apr-91	16:30:52	1.2355	0.007
33344.688104	0.688104	11.016	16-Apr-91	16:30:52	1.2384	0.000
33344.688108	0.688108	11.016	16-Apr-91	16:30:53	1.2442	0.000
33344.68811	0.68811	11.023	16-Apr-91	16:30:53	1.2470	0.007
33344.688112	0.688112	11.023	16-Apr-91	16:30:53	1.2499	0.007
33344.688117	0.688117	11.016	16-Apr-91	16:30:53	1.2571	0.000
33344.68812	0.68812	11.016	16-Apr-91	16:30:54	1.2614	0.000
33344.688123	0.688123	11.016	16-Apr-91	16:30:54	1.2658	0.000
33344.688126	0.688126	11.023	16-Apr-91	16:30:54	1.2701	0.007
33344.688128	0.688128	11.016	16-Apr-91	16:30:54	1.2730	0.000
33344.688131	0.688131	11.016	16-Apr-91	16:30:55	1.2773	0.000
33344.688135	0.688135	11.016	16-Apr-91	16:30:55	1.2830	0.000
33344.688139	0.688139	11.016	16-Apr-91	16:30:55	1.2888	0.000
33344.688141	0.688141	11.016	16-Apr-91	16:30:55	1.2917	0.000
33344.688144	0.688144	11.016	16-Apr-91	16:30:56	1.2960	0.000
33344.688147	0.688147	11.016	16-Apr-91	16:30:56	1.3003	0.000
33344.688149	0.688149	11.016	16-Apr-91	16:30:56	1.3032	0.000
33344.688154	0.688154	11.016	16-Apr-91	16:30:57	1.3104	0.000
33344.688157	0.688157	11.023	16-Apr-91	16:30:57	1.3147	0.007
33344.68816	0.68816	11.023	16-Apr-91	16:30:57	1.3190	0.007
33344.688162	0.688162	11.016	16-Apr-91	16:30:57	1.3219	0.000
33344.688166	0.688166	11.016	16-Apr-91	16:30:58	1.3277	0.000
33344.688168	0.688168	11.023	16-Apr-91	16:30:58	1.3306	0.007
33344.688172	0.688172	11.016	16-Apr-91	16:30:58	1.3363	0.000
33344.688176	0.688176	11.016	16-Apr-91	16:30:58	1.3421	0.000
33344.688178	0.688178	11.023	16-Apr-91	16:30:59	1.3450	0.007
33344.688181	0.688181	11.016	16-Apr-91	16:30:59	1.3493	0.000
33344.688184	0.688184	11.016	16-Apr-91	16:30:59	1.3536	0.000
33344.688186	0.688186	11.016	16-Apr-91	16:30:59	1.3565	0.000
33344.688191	0.688191	11.016	16-Apr-91	16:31:00	1.3637	0.000
33344.688194	0.688194	11.016	16-Apr-91	16:31:00	1.3680	0.000
33344.688197	0.688197	11.023	16-Apr-91	16:31:00	1.3723	0.007
33344.688199	0.688199	11.023	16-Apr-91	16:31:00	1.3752	0.007
33344.688203	0.688203	11.016	16-Apr-91	16:31:01	1.3810	0.000
33344.688205	0.688205	11.023	16-Apr-91	16:31:01	1.3838	0.007
33344.688209	0.688209	11.023	16-Apr-91	16:31:01	1.3896	0.007
33344.688213	0.688213	11.023	16-Apr-91	16:31:02	1.3954	0.007
33344.688215	0.688215	11.023	16-Apr-91	16:31:02	1.3982	0.007
33344.688218	0.688218	11.016	16-Apr-91	16:31:02	1.4026	0.000
33344.688221	0.688221	11.016	16-Apr-91	16:31:02	1.4069	0.000
33344.688223	0.688223	11.016	16-Apr-91	16:31:02	1.4098	0.000
33344.688228	0.688228	11.016	16-Apr-91	16:31:03	1.4170	0.000
33344.688231	0.688231	11.016	16-Apr-91	16:31:03	1.4213	0.000

33344.688234	0.688234	11.023	16-Apr-91	16:31:03	1.4256	0.007
33344.688236	0.688236	11.016	16-Apr-91	16:31:04	1.4285	0.000
33344.68824	0.68824	11.016	16-Apr-91	16:31:04	1.4342	0.000
33344.688242	0.688242	11.016	16-Apr-91	16:31:04	1.4371	0.000
33344.688247	0.688247	11.023	16-Apr-91	16:31:05	1.4443	0.007
33344.68825	0.68825	11.016	16-Apr-91	16:31:05	1.4486	0.000
33344.688252	0.688252	11.016	16-Apr-91	16:31:05	1.4515	0.000
33344.688255	0.688255	11.023	16-Apr-91	16:31:05	1.4558	0.007
33344.688258	0.688258	11.023	16-Apr-91	16:31:05	1.4602	0.007
33344.68826	0.68826	11.023	16-Apr-91	16:31:06	1.4630	0.007
33344.688265	0.688265	11.016	16-Apr-91	16:31:06	1.4702	0.000
33344.688269	0.688269	11.023	16-Apr-91	16:31:06	1.4760	0.007
33344.688271	0.688271	11.023	16-Apr-91	16:31:07	1.4789	0.007
33344.688273	0.688273	11.016	16-Apr-91	16:31:07	1.4818	0.000
33344.688277	0.688277	11.023	16-Apr-91	16:31:07	1.4875	0.007
33344.688279	0.688279	11.023	16-Apr-91	16:31:07	1.4904	0.007
33344.688284	0.688284	11.016	16-Apr-91	16:31:08	1.4976	0.000
33344.688287	0.688287	11.023	16-Apr-91	16:31:08	1.5019	0.007
33344.688289	0.688289	11.016	16-Apr-91	16:31:08	1.5048	0.000
33344.688292	0.688292	11.016	16-Apr-91	16:31:08	1.5091	0.000
33344.688295	0.688295	11.023	16-Apr-91	16:31:09	1.5134	0.007
33344.688297	0.688297	11.023	16-Apr-91	16:31:09	1.5163	0.007
33344.688302	0.688302	11.016	16-Apr-91	16:31:09	1.5235	0.000
33344.688304	0.688304	11.016	16-Apr-91	16:31:09	1.5264	0.000
33344.688308	0.688308	11.016	16-Apr-91	16:31:10	1.5322	0.000
33344.68831	0.68831	11.023	16-Apr-91	16:31:10	1.5350	0.007
33344.688314	0.688314	11.016	16-Apr-91	16:31:10	1.5408	0.000
33344.688316	0.688316	11.023	16-Apr-91	16:31:11	1.5437	0.007
33344.688321	0.688321	11.016	16-Apr-91	16:31:11	1.5509	0.000
33344.688323	0.688323	11.016	16-Apr-91	16:31:11	1.5538	0.000
33344.688326	0.688326	11.023	16-Apr-91	16:31:11	1.5581	0.007
33344.688329	0.688329	11.016	16-Apr-91	16:31:12	1.5624	0.000
33344.688332	0.688332	11.016	16-Apr-91	16:31:12	1.5667	0.000
33344.688334	0.688334	11.016	16-Apr-91	16:31:12	1.5696	0.000
33344.688339	0.688339	11.016	16-Apr-91	16:31:12	1.5768	0.000
33344.688341	0.688341	11.016	16-Apr-91	16:31:13	1.5797	0.000
33344.688345	0.688345	11.023	16-Apr-91	16:31:13	1.5854	0.007
33344.688347	0.688347	11.016	16-Apr-91	16:31:13	1.5883	0.000
33344.688351	0.688351	11.016	16-Apr-91	16:31:14	1.5941	0.000
33344.688353	0.688353	11.016	16-Apr-91	16:31:14	1.5970	0.000
33344.688358	0.688358	11.023	16-Apr-91	16:31:14	1.6042	0.007
33344.68836	0.68836	11.023	16-Apr-91	16:31:14	1.6070	0.007
33344.688363	0.688363	11.016	16-Apr-91	16:31:15	1.6114	0.000
33344.688366	0.688366	11.023	16-Apr-91	16:31:15	1.6157	0.007
33344.688369	0.688369	11.016	16-Apr-91	16:31:15	1.6200	0.000
33344.688372	0.688372	11.016	16-Apr-91	16:31:15	1.6243	0.000
33344.688376	0.688376	11.016	16-Apr-91	16:31:16	1.6301	0.000

33344.688378	0.688378	11.023	16-Apr-91	16:31:16	1.6330	0.007
33344.688382	0.688382	11.016	16-Apr-91	16:31:16	1.6387	0.000
33344.688384	0.688384	11.016	16-Apr-91	16:31:16	1.6416	0.000
33344.688387	0.688387	11.016	16-Apr-91	16:31:17	1.6459	0.000
33344.68839	0.68839	11.023	16-Apr-91	16:31:17	1.6502	0.007
33344.688395	0.688395	11.023	16-Apr-91	16:31:17	1.6574	0.007
33344.688397	0.688397	11.016	16-Apr-91	16:31:18	1.6603	0.000
33344.6884	0.6884	11.016	16-Apr-91	16:31:18	1.6646	0.000
33344.688403	0.688403	11.023	16-Apr-91	16:31:18	1.6690	0.007
33344.688405	0.688405	11.023	16-Apr-91	16:31:18	1.6718	0.007
33344.688409	0.688409	11.016	16-Apr-91	16:31:19	1.6776	0.000
33344.688413	0.688413	11.016	16-Apr-91	16:31:19	1.6834	0.000
33344.688416	0.688416	11.023	16-Apr-91	16:31:19	1.6877	0.007
33344.688419	0.688419	11.016	16-Apr-91	16:31:19	1.6920	0.000
33344.688421	0.688421	11.023	16-Apr-91	16:31:20	1.6949	0.007
33344.688424	0.688424	11.016	16-Apr-91	16:31:20	1.6992	0.000
33344.688427	0.688427	11.016	16-Apr-91	16:31:20	1.7035	0.000
33344.688432	0.688432	11.016	16-Apr-91	16:31:21	1.7107	0.000
33344.688434	0.688434	11.016	16-Apr-91	16:31:21	1.7136	0.000
33344.688438	0.688437	11.023	16-Apr-91	16:31:21	1.7179	0.007
33344.68844	0.68844	11.023	16-Apr-91	16:31:21	1.7222	0.007
33344.688442	0.688442	11.016	16-Apr-91	16:31:21	1.7251	0.000
33344.688446	0.688446	11.023	16-Apr-91	16:31:22	1.7309	0.007
33344.68845	0.68845	11.016	16-Apr-91	16:31:22	1.7366	0.000
33344.688453	0.688453	11.016	16-Apr-91	16:31:22	1.7410	0.000
33344.688456	0.688456	11.016	16-Apr-91	16:31:23	1.7453	0.000
33344.688458	0.688458	11.016	16-Apr-91	16:31:23	1.7482	0.000
33344.688461	0.688461	11.023	16-Apr-91	16:31:23	1.7525	0.007
33344.688464	0.688464	11.023	16-Apr-91	16:31:23	1.7568	0.007
33344.688469	0.688469	11.016	16-Apr-91	16:31:24	1.7640	0.000
33344.688471	0.688471	11.023	16-Apr-91	16:31:24	1.7669	0.007
33344.688475	0.688475	11.016	16-Apr-91	16:31:24	1.7726	0.000
33344.688477	0.688477	11.023	16-Apr-91	16:31:24	1.7755	0.007
33344.688479	0.688479	11.016	16-Apr-91	16:31:25	1.7784	0.000
33344.688483	0.688483	11.023	16-Apr-91	16:31:25	1.7842	0.007
33344.688487	0.688487	11.023	16-Apr-91	16:31:25	1.7899	0.007
33344.68849	0.68849	11.023	16-Apr-91	16:31:26	1.7942	0.007
33344.688493	0.688493	11.023	16-Apr-91	16:31:26	1.7986	0.007
33344.688495	0.688495	11.023	16-Apr-91	16:31:26	1.8014	0.007
33344.688498	0.688498	11.023	16-Apr-91	16:31:26	1.8058	0.007
33344.688501	0.688501	11.023	16-Apr-91	16:31:26	1.8101	0.007
33344.688506	0.688506	11.016	16-Apr-91	16:31:27	1.8173	0.000
33344.688508	0.688508	11.023	16-Apr-91	16:31:27	1.8202	0.007
33344.688512	0.688512	11.023	16-Apr-91	16:31:27	1.8259	0.007
33344.688514	0.688514	11.023	16-Apr-91	16:31:28	1.8288	0.007
33344.688516	0.688516	11.023	16-Apr-91	16:31:28	1.8317	0.007
33344.68852	0.68852	11.016	16-Apr-91	16:31:28	1.8374	0.000

33344.688524	0.688524	11.016	16-Apr-91	16:31:28	1.8432	0.000
33344.688527	0.688527	11.023	16-Apr-91	16:31:29	1.8475	0.007
33344.68853	0.68853	11.023	16-Apr-91	16:31:29	1.8518	0.007
33344.688532	0.688532	11.016	16-Apr-91	16:31:29	1.8547	0.000
33344.688535	0.688535	11.023	16-Apr-91	16:31:29	1.8590	0.007
33344.688538	0.688538	11.023	16-Apr-91	16:31:30	1.8634	0.007
33344.688543	0.688543	11.016	16-Apr-91	16:31:30	1.8706	0.000
33344.688545	0.688545	11.016	16-Apr-91	16:31:30	1.8734	0.000
33344.688547	0.688547	11.016	16-Apr-91	16:31:30	1.8763	0.000
33344.688551	0.688551	11.023	16-Apr-91	16:31:31	1.8821	0.007
33344.688553	0.688553	11.023	16-Apr-91	16:31:31	1.8850	0.007
33344.688557	0.688557	11.023	16-Apr-91	16:31:31	1.8907	0.007
33344.688561	0.688561	11.016	16-Apr-91	16:31:32	1.8965	0.000
33344.688564	0.688564	11.023	16-Apr-91	16:31:32	1.9008	0.007
33344.688566	0.688566	11.016	16-Apr-91	16:31:32	1.9037	0.000
33344.688569	0.688569	11.016	16-Apr-91	16:31:32	1.9080	0.000
33344.688572	0.688572	11.023	16-Apr-91	16:31:33	1.9123	0.007
33344.688575	0.688575	11.023	16-Apr-91	16:31:33	1.9166	0.007
33344.68858	0.68858	11.023	16-Apr-91	16:31:33	1.9238	0.007
33344.688582	0.688582	11.016	16-Apr-91	16:31:33	1.9267	0.000
33344.688584	0.688584	11.023	16-Apr-91	16:31:34	1.9296	0.007
33344.688588	0.688588	11.023	16-Apr-91	16:31:34	1.9354	0.007


Bouwer & Rice Slug Test Plot
Well MW-LR -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-LR

Initial DTW (bgs) @ time < 0:	22.5	(feet)
Depth to top of sandpack:	13.8	(feet)
Depth to top of screen:	14.8	(feet)
H = Initial head @ time < 0:	11.02	(feet)
H(0)= Maximum head (@ t ~ 0):	2.19	(feet)
D = Length of well screen:	19.9	(feet)
L = Length of saturated sandpack:	13.8	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	3.0	(inches)
d = Length watertable to bottom of well:	13.3	(feet)
Length watertable to bottom of sandpack:	13.8	(feet)
b = Aquifer saturated thickness:	13.4	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	16:44:08
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	11.016

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.697231	0.697231	11.009	16-Apr-91	16:44:01	-0.1253	0.007	
33344.697234	0.697234	11.016	16-Apr-91	16:44:01	-0.1210	0.000	
33344.697238	0.697238	11.009	16-Apr-91	16:44:01	-0.1152	0.007	
33344.697241	0.697241	11.016	16-Apr-91	16:44:02	-0.1109	0.000	
33344.697244	0.697244	11.016	16-Apr-91	16:44:02	-0.1066	0.000	
33344.697247	0.697247	11.016	16-Apr-91	16:44:02	-0.1022	0.000	
33344.69725	0.69725	11.023	16-Apr-91	16:44:02	-0.0979	0.007	
33344.697252	0.697252	11.016	16-Apr-91	16:44:03	-0.0950	0.000	
33344.697257	0.697257	11.016	16-Apr-91	16:44:03	-0.0878	0.000	
33344.697259	0.697259	11.016	16-Apr-91	16:44:03	-0.0850	0.000	
33344.697263	0.697263	11.016	16-Apr-91	16:44:04	-0.0792	0.000	
33344.697265	0.697265	11.016	16-Apr-91	16:44:04	-0.0763	0.000	
33344.697269	0.697269	11.016	16-Apr-91	16:44:04	-0.0706	0.000	
33344.697271	0.697271	11.016	16-Apr-91	16:44:04	-0.0677	0.000	
33344.697275	0.697275	11.016	16-Apr-91	16:44:05	-0.0619	0.000	
33344.697278	0.697278	11.016	16-Apr-91	16:44:05	-0.0576	0.000	
33344.697281	0.697281	11.016	16-Apr-91	16:44:05	-0.0533	0.000	
33344.697284	0.697284	11.016	16-Apr-91	16:44:05	-0.0490	0.000	
33344.697286	0.697286	11.016	16-Apr-91	16:44:06	-0.0461	0.000	

33344.697289	0.697289	11.016	16-Apr-91	16:44:06	-0.0418	0.000	
33344.697294	0.697294	11.016	16-Apr-91	16:44:06	-0.0346	0.000	
33344.697296	0.697296	11.016	16-Apr-91	16:44:06	-0.0317	0.000	
33344.6973	0.6973	11.016	16-Apr-91	16:44:07	-0.0259	0.000	
33344.697302	0.697302	11.016	16-Apr-91	16:44:07	-0.0230	0.000	
33344.697304	0.697304	11.016	16-Apr-91	16:44:07	-0.0202	0.000	
33344.697308	0.697308	11.016	16-Apr-91	16:44:07	-0.0144	0.000	
33344.697313	0.697313	11.016	16-Apr-91	16:44:08	-0.0072	0.000	
33344.697315	0.697315	11.016	16-Apr-91	16:44:08	-0.0043	0.000	
33344.697318	0.697318	10.417	16-Apr-91	16:44:08	0.0000	0.599	Start bail test
33344.697321	0.697321	8.8285	16-Apr-91	16:44:09	0.0043	2.188	
33344.697323	0.697323	9.5648	16-Apr-91	16:44:09	0.0072	1.451	
33344.697326	0.697326	10.568	16-Apr-91	16:44:09	0.0115	0.448	
33344.697331	0.697331	10.2	16-Apr-91	16:44:09	0.0187	0.816	
33344.697333	0.697333	10.316	16-Apr-91	16:44:10	0.0216	0.700	
33344.697337	0.697337	10.308	16-Apr-91	16:44:10	0.0274	0.708	
33344.697339	0.697339	10.215	16-Apr-91	16:44:10	0.0302	0.801	
33344.697341	0.697341	10.2	16-Apr-91	16:44:10	0.0331	0.816	
33344.697345	0.697345	10.294	16-Apr-91	16:44:11	0.0389	0.722	
33344.69735	0.69735	10.604	16-Apr-91	16:44:11	0.0461	0.412	
33344.697352	0.697352	10.72	16-Apr-91	16:44:11	0.0490	0.296	
33344.697355	0.697355	10.778	16-Apr-91	16:44:11	0.0533	0.238	
33344.697358	0.697358	10.814	16-Apr-91	16:44:12	0.0576	0.202	
33344.69736	0.69736	10.835	16-Apr-91	16:44:12	0.0605	0.181	
33344.697363	0.697363	10.857	16-Apr-91	16:44:12	0.0648	0.159	
33344.697368	0.697368	10.893	16-Apr-91	16:44:13	0.0720	0.123	
33344.69737	0.69737	10.908	16-Apr-91	16:44:13	0.0749	0.108	
33344.697374	0.697374	10.922	16-Apr-91	16:44:13	0.0806	0.094	
33344.697376	0.697376	10.929	16-Apr-91	16:44:13	0.0835	0.087	
33344.697378	0.697378	10.936	16-Apr-91	16:44:13	0.0864	0.080	
33344.697382	0.697382	10.944	16-Apr-91	16:44:14	0.0922	0.072	
33344.697387	0.697387	10.951	16-Apr-91	16:44:14	0.0994	0.065	
33344.697389	0.697389	10.958	16-Apr-91	16:44:14	0.1022	0.058	
33344.697392	0.697392	10.965	16-Apr-91	16:44:15	0.1066	0.051	
33344.697395	0.697395	10.965	16-Apr-91	16:44:15	0.1109	0.051	
33344.697397	0.697397	10.965	16-Apr-91	16:44:15	0.1138	0.051	
33344.6974	0.6974	10.973	16-Apr-91	16:44:15	0.1181	0.043	
33344.697405	0.697405	10.98	16-Apr-91	16:44:16	0.1253	0.036	
33344.697407	0.697407	10.98	16-Apr-91	16:44:16	0.1282	0.036	
33344.697411	0.697411	10.98	16-Apr-91	16:44:16	0.1339	0.036	
33344.697413	0.697413	10.987	16-Apr-91	16:44:16	0.1368	0.029	
33344.697416	0.697416	10.987	16-Apr-91	16:44:17	0.1411	0.029	
33344.697419	0.697419	10.987	16-Apr-91	16:44:17	0.1454	0.029	
33344.697424	0.697424	10.987	16-Apr-91	16:44:17	0.1526	0.029	
33344.697426	0.697426	10.994	16-Apr-91	16:44:18	0.1555	0.022	
33344.697429	0.697429	10.994	16-Apr-91	16:44:18	0.1598	0.022	
33344.697432	0.697432	10.994	16-Apr-91	16:44:18	0.1642	0.022	

33344.697434	0.697434	10.994	16-Apr-91	16:44:18	0.1670	0.022
33344.697438	0.697437	11.001	16-Apr-91	16:44:19	0.1714	0.015
33344.697442	0.697442	10.994	16-Apr-91	16:44:19	0.1786	0.022
33344.697444	0.697444	11.001	16-Apr-91	16:44:19	0.1814	0.015
33344.697447	0.697447	11.001	16-Apr-91	16:44:19	0.1858	0.015
33344.69745	0.69745	11.001	16-Apr-91	16:44:20	0.1901	0.015
33344.697453	0.697453	11.001	16-Apr-91	16:44:20	0.1944	0.015
33344.697456	0.697456	11.001	16-Apr-91	16:44:20	0.1987	0.015
33344.697461	0.697461	11.001	16-Apr-91	16:44:21	0.2059	0.015
33344.697463	0.697463	11.001	16-Apr-91	16:44:21	0.2088	0.015
33344.697465	0.697465	11.001	16-Apr-91	16:44:21	0.2117	0.015
33344.697469	0.697469	11.001	16-Apr-91	16:44:21	0.2174	0.015
33344.697471	0.697471	11.001	16-Apr-91	16:44:21	0.2203	0.015
33344.697475	0.697475	11.009	16-Apr-91	16:44:22	0.2261	0.007
33344.697479	0.697479	11.001	16-Apr-91	16:44:22	0.2318	0.015
33344.697481	0.697481	11.001	16-Apr-91	16:44:22	0.2347	0.015
33344.697484	0.697484	11.001	16-Apr-91	16:44:23	0.2390	0.015
33344.697487	0.697487	11.009	16-Apr-91	16:44:23	0.2434	0.007
33344.69749	0.69749	11.009	16-Apr-91	16:44:23	0.2477	0.007
33344.697493	0.697493	11.009	16-Apr-91	16:44:23	0.2520	0.007
33344.697498	0.697498	11.009	16-Apr-91	16:44:24	0.2592	0.007
33344.6975	0.6975	11.009	16-Apr-91	16:44:24	0.2621	0.007
33344.697502	0.697502	11.009	16-Apr-91	16:44:24	0.2650	0.007
33344.697506	0.697506	11.009	16-Apr-91	16:44:25	0.2707	0.007
33344.697508	0.697508	11.009	16-Apr-91	16:44:25	0.2736	0.007
33344.69751	0.69751	11.009	16-Apr-91	16:44:25	0.2765	0.007
33344.697516	0.697516	11.009	16-Apr-91	16:44:25	0.2851	0.007
33344.697519	0.697519	11.009	16-Apr-91	16:44:26	0.2894	0.007
33344.697521	0.697521	11.009	16-Apr-91	16:44:26	0.2923	0.007
33344.697524	0.697524	11.009	16-Apr-91	16:44:26	0.2966	0.007
33344.697527	0.697527	11.009	16-Apr-91	16:44:26	0.3010	0.007
33344.697529	0.697529	11.009	16-Apr-91	16:44:27	0.3038	0.007
33344.697535	0.697535	11.009	16-Apr-91	16:44:27	0.3125	0.007
33344.697537	0.697537	11.009	16-Apr-91	16:44:27	0.3154	0.007
33344.697539	0.697539	11.009	16-Apr-91	16:44:27	0.3182	0.007
33344.697543	0.697543	11.016	16-Apr-91	16:44:28	0.3240	0.000
33344.697545	0.697545	11.016	16-Apr-91	16:44:28	0.3269	0.000
33344.697547	0.697547	11.009	16-Apr-91	16:44:28	0.3298	0.007
33344.697553	0.697553	11.009	16-Apr-91	16:44:29	0.3384	0.007
33344.697556	0.697556	11.016	16-Apr-91	16:44:29	0.3427	0.000
33344.697558	0.697558	11.009	16-Apr-91	16:44:29	0.3456	0.007
33344.697561	0.697561	11.009	16-Apr-91	16:44:29	0.3499	0.007
33344.697564	0.697564	11.016	16-Apr-91	16:44:30	0.3542	0.000
33344.697566	0.697566	11.016	16-Apr-91	16:44:30	0.3571	0.000
33344.697571	0.697571	11.016	16-Apr-91	16:44:30	0.3643	0.000
33344.697574	0.697574	11.016	16-Apr-91	16:44:30	0.3686	0.000
33344.697576	0.697576	11.016	16-Apr-91	16:44:31	0.3715	0.000

33344.69758	0.69758	11.016	16-Apr-91	16:44:31	0.3773	0.000
33344.697582	0.697582	11.016	16-Apr-91	16:44:31	0.3802	0.000
33344.697584	0.697584	11.016	16-Apr-91	16:44:31	0.3830	0.000
33344.697589	0.697589	11.016	16-Apr-91	16:44:32	0.3902	0.000
33344.697593	0.697593	11.016	16-Apr-91	16:44:32	0.3960	0.000
33344.697595	0.697595	11.016	16-Apr-91	16:44:32	0.3989	0.000
33344.697598	0.697598	11.016	16-Apr-91	16:44:32	0.4032	0.000
33344.697601	0.697601	11.016	16-Apr-91	16:44:33	0.4075	0.000
33344.697603	0.697603	11.016	16-Apr-91	16:44:33	0.4104	0.000
33344.697608	0.697608	11.016	16-Apr-91	16:44:33	0.4176	0.000
33344.697611	0.697611	11.016	16-Apr-91	16:44:34	0.4219	0.000
33344.697613	0.697613	11.016	16-Apr-91	16:44:34	0.4248	0.000
33344.697617	0.697617	11.016	16-Apr-91	16:44:34	0.4306	0.000
33344.697619	0.697619	11.016	16-Apr-91	16:44:34	0.4334	0.000
33344.697622	0.697622	11.016	16-Apr-91	16:44:35	0.4378	0.000
33344.697626	0.697626	11.016	16-Apr-91	16:44:35	0.4435	0.000
33344.69763	0.69763	11.016	16-Apr-91	16:44:35	0.4493	0.000
33344.697632	0.697632	11.016	16-Apr-91	16:44:35	0.4522	0.000
33344.697634	0.697634	11.016	16-Apr-91	16:44:36	0.4550	0.000
33344.697638	0.697638	11.016	16-Apr-91	16:44:36	0.4608	0.000
33344.69764	0.69764	11.016	16-Apr-91	16:44:36	0.4637	0.000
33344.697645	0.697645	11.016	16-Apr-91	16:44:37	0.4709	0.000
33344.697648	0.697648	11.016	16-Apr-91	16:44:37	0.4752	0.000
33344.69765	0.69765	11.016	16-Apr-91	16:44:37	0.4781	0.000
33344.697653	0.697653	11.016	16-Apr-91	16:44:37	0.4824	0.000
33344.697656	0.697656	11.016	16-Apr-91	16:44:37	0.4867	0.000
33344.697659	0.697659	11.016	16-Apr-91	16:44:38	0.4910	0.000
33344.697663	0.697663	11.016	16-Apr-91	16:44:38	0.4968	0.000
33344.697667	0.697667	11.016	16-Apr-91	16:44:38	0.5026	0.000
33344.697669	0.697669	11.016	16-Apr-91	16:44:39	0.5054	0.000
33344.697671	0.697671	11.016	16-Apr-91	16:44:39	0.5083	0.000
33344.697675	0.697675	11.016	16-Apr-91	16:44:39	0.5141	0.000
33344.697677	0.697677	11.023	16-Apr-91	16:44:39	0.5170	0.007
33344.697682	0.697682	11.016	16-Apr-91	16:44:40	0.5242	0.000
33344.697685	0.697685	11.016	16-Apr-91	16:44:40	0.5285	0.000
33344.697688	0.697688	11.016	16-Apr-91	16:44:40	0.5328	0.000
33344.69769	0.69769	11.016	16-Apr-91	16:44:40	0.5357	0.000
33344.697693	0.697693	11.016	16-Apr-91	16:44:41	0.5400	0.000
33344.697696	0.697696	11.016	16-Apr-91	16:44:41	0.5443	0.000
33344.6977	0.6977	11.016	16-Apr-91	16:44:41	0.5501	0.000
33344.697704	0.697704	11.016	16-Apr-91	16:44:42	0.5558	0.000
33344.697706	0.697706	11.016	16-Apr-91	16:44:42	0.5587	0.000
33344.697708	0.697708	11.016	16-Apr-91	16:44:42	0.5616	0.000
33344.697712	0.697712	11.016	16-Apr-91	16:44:42	0.5674	0.000
33344.697714	0.697714	11.016	16-Apr-91	16:44:42	0.5702	0.000
33344.697719	0.697719	11.016	16-Apr-91	16:44:43	0.5774	0.000
33344.697722	0.697722	11.016	16-Apr-91	16:44:43	0.5818	0.000

33344.697725	0.697725	11.016	16-Apr-91	16:44:43	0.5861	0.000
33344.697727	0.697727	11.016	16-Apr-91	16:44:44	0.5890	0.000
33344.69773	0.69773	11.016	16-Apr-91	16:44:44	0.5933	0.000
33344.697733	0.697733	11.016	16-Apr-91	16:44:44	0.5976	0.000
33344.697737	0.697737	11.009	16-Apr-91	16:44:44	0.6034	0.007
33344.697741	0.697741	11.016	16-Apr-91	16:44:45	0.6091	0.000
33344.697743	0.697743	11.016	16-Apr-91	16:44:45	0.6120	0.000
33344.697745	0.697745	11.023	16-Apr-91	16:44:45	0.6149	0.007
33344.697749	0.697749	11.016	16-Apr-91	16:44:46	0.6206	0.000
33344.697751	0.697751	11.016	16-Apr-91	16:44:46	0.6235	0.000
33344.697756	0.697756	11.016	16-Apr-91	16:44:46	0.6307	0.000
33344.697759	0.697759	11.016	16-Apr-91	16:44:46	0.6350	0.000
33344.697762	0.697762	11.016	16-Apr-91	16:44:47	0.6394	0.000
33344.697764	0.697764	11.016	16-Apr-91	16:44:47	0.6422	0.000
33344.697767	0.697767	11.016	16-Apr-91	16:44:47	0.6466	0.000
33344.69777	0.69777	11.016	16-Apr-91	16:44:47	0.6509	0.000
33344.697774	0.697774	11.016	16-Apr-91	16:44:48	0.6566	0.000
33344.697778	0.697778	11.016	16-Apr-91	16:44:48	0.6624	0.000
33344.69778	0.69778	11.016	16-Apr-91	16:44:48	0.6653	0.000
33344.697782	0.697782	11.016	16-Apr-91	16:44:48	0.6682	0.000
33344.697786	0.697786	11.016	16-Apr-91	16:44:49	0.6739	0.000
33344.697788	0.697788	11.016	16-Apr-91	16:44:49	0.6768	0.000
33344.697793	0.697793	11.016	16-Apr-91	16:44:49	0.6840	0.000
33344.697795	0.697795	11.016	16-Apr-91	16:44:49	0.6869	0.000
33344.697799	0.697799	11.016	16-Apr-91	16:44:50	0.6926	0.000
33344.697801	0.697801	11.016	16-Apr-91	16:44:50	0.6955	0.000
33344.697804	0.697804	11.016	16-Apr-91	16:44:50	0.6998	0.000
33344.697807	0.697807	11.016	16-Apr-91	16:44:51	0.7042	0.000
33344.697811	0.697811	11.016	16-Apr-91	16:44:51	0.7099	0.000
33344.697814	0.697814	11.023	16-Apr-91	16:44:51	0.7142	0.007
33344.697817	0.697817	11.016	16-Apr-91	16:44:51	0.7186	0.000
33344.697819	0.697819	11.016	16-Apr-91	16:44:52	0.7214	0.000
33344.697823	0.697823	11.016	16-Apr-91	16:44:52	0.7272	0.000
33344.697825	0.697825	11.016	16-Apr-91	16:44:52	0.7301	0.000
33344.69783	0.69783	11.016	16-Apr-91	16:44:53	0.7373	0.000
33344.697832	0.697832	11.023	16-Apr-91	16:44:53	0.7402	0.007
33344.697836	0.697836	11.016	16-Apr-91	16:44:53	0.7459	0.000
33344.697838	0.697838	11.016	16-Apr-91	16:44:53	0.7488	0.000
33344.697841	0.697841	11.016	16-Apr-91	16:44:53	0.7531	0.000
33344.697844	0.697844	11.016	16-Apr-91	16:44:54	0.7574	0.000
33344.697848	0.697848	11.016	16-Apr-91	16:44:54	0.7632	0.000
33344.697851	0.697851	11.016	16-Apr-91	16:44:54	0.7675	0.000
33344.697854	0.697854	11.016	16-Apr-91	16:44:55	0.7718	0.000
33344.697856	0.697856	11.016	16-Apr-91	16:44:55	0.7747	0.000
33344.69786	0.69786	11.023	16-Apr-91	16:44:55	0.7805	0.007
33344.697862	0.697862	11.016	16-Apr-91	16:44:55	0.7834	0.000
33344.697867	0.697867	11.016	16-Apr-91	16:44:56	0.7906	0.000

33344.697869	0.697869	11.016	16-Apr-91	16:44:56	0.7934	0.000
33344.697873	0.697873	11.023	16-Apr-91	16:44:56	0.7992	0.007
33344.697875	0.697875	11.016	16-Apr-91	16:44:56	0.8021	0.000
33344.697877	0.697877	11.023	16-Apr-91	16:44:57	0.8050	0.007
33344.697881	0.697881	11.016	16-Apr-91	16:44:57	0.8107	0.000
33344.697885	0.697885	11.023	16-Apr-91	16:44:57	0.8165	0.007
33344.697888	0.697888	11.016	16-Apr-91	16:44:58	0.8208	0.000
33344.697891	0.697891	11.016	16-Apr-91	16:44:58	0.8251	0.000
33344.697894	0.697894	11.016	16-Apr-91	16:44:58	0.8294	0.000
33344.697896	0.697896	11.023	16-Apr-91	16:44:58	0.8323	0.007
33344.697899	0.697899	11.016	16-Apr-91	16:44:58	0.8366	0.000
33344.697904	0.697904	11.016	16-Apr-91	16:44:59	0.8438	0.000
33344.697906	0.697906	11.016	16-Apr-91	16:44:59	0.8467	0.000
33344.69791	0.69791	11.023	16-Apr-91	16:44:59	0.8525	0.007
33344.697912	0.697912	11.016	16-Apr-91	16:45:00	0.8554	0.000
33344.697914	0.697914	11.016	16-Apr-91	16:45:00	0.8582	0.000
33344.697918	0.697918	11.023	16-Apr-91	16:45:00	0.8640	0.007
33344.697922	0.697922	11.016	16-Apr-91	16:45:00	0.8698	0.000
33344.697925	0.697925	11.016	16-Apr-91	16:45:01	0.8741	0.000
33344.697928	0.697928	11.016	16-Apr-91	16:45:01	0.8784	0.000
33344.697931	0.697931	11.016	16-Apr-91	16:45:01	0.8827	0.000
33344.697933	0.697933	11.016	16-Apr-91	16:45:01	0.8856	0.000
33344.697936	0.697936	11.023	16-Apr-91	16:45:02	0.8899	0.007
33344.697941	0.697941	11.016	16-Apr-91	16:45:02	0.8971	0.000
33344.697943	0.697943	11.016	16-Apr-91	16:45:02	0.9000	0.000
33344.697947	0.697947	11.016	16-Apr-91	16:45:03	0.9058	0.000
33344.697949	0.697949	11.023	16-Apr-91	16:45:03	0.9086	0.007
33344.697951	0.697951	11.016	16-Apr-91	16:45:03	0.9115	0.000
33344.697955	0.697955	11.023	16-Apr-91	16:45:03	0.9173	0.007
33344.697959	0.697959	11.016	16-Apr-91	16:45:04	0.9230	0.000
33344.697962	0.697962	11.016	16-Apr-91	16:45:04	0.9274	0.000
33344.697965	0.697965	11.016	16-Apr-91	16:45:04	0.9317	0.000
33344.697968	0.697968	11.016	16-Apr-91	16:45:04	0.9360	0.000
33344.69797	0.69797	11.016	16-Apr-91	16:45:05	0.9389	0.000
33344.697973	0.697973	11.016	16-Apr-91	16:45:05	0.9432	0.000
33344.697978	0.697978	11.023	16-Apr-91	16:45:05	0.9504	0.007
33344.69798	0.69798	11.016	16-Apr-91	16:45:05	0.9533	0.000
33344.697984	0.697984	11.016	16-Apr-91	16:45:06	0.9590	0.000
33344.697986	0.697986	11.016	16-Apr-91	16:45:06	0.9619	0.000
33344.697988	0.697988	11.023	16-Apr-91	16:45:06	0.9648	0.007
33344.697992	0.697992	11.016	16-Apr-91	16:45:07	0.9706	0.000
33344.697997	0.697997	11.016	16-Apr-91	16:45:07	0.9778	0.000
33344.697999	0.697999	11.023	16-Apr-91	16:45:07	0.9806	0.007
33344.698002	0.698002	11.016	16-Apr-91	16:45:07	0.9850	0.000
33344.698005	0.698005	11.016	16-Apr-91	16:45:08	0.9893	0.000
33344.698007	0.698007	11.016	16-Apr-91	16:45:08	0.9922	0.000
33344.69801	0.69801	11.016	16-Apr-91	16:45:08	0.9965	0.000

33344.698015	0.698015	11.016	16-Apr-91	16:45:08	1.0037	0.000
33344.698017	0.698017	11.016	16-Apr-91	16:45:09	1.0066	0.000
33344.69802	0.69802	11.016	16-Apr-91	16:45:09	1.0109	0.000
33344.698023	0.698023	11.023	16-Apr-91	16:45:09	1.0152	0.007
33344.698025	0.698025	11.016	16-Apr-91	16:45:09	1.0181	0.000
33344.698029	0.698029	11.016	16-Apr-91	16:45:10	1.0238	0.000
33344.698034	0.698034	11.016	16-Apr-91	16:45:10	1.0310	0.000
33344.698036	0.698036	11.016	16-Apr-91	16:45:10	1.0339	0.000
33344.698038	0.698038	11.016	16-Apr-91	16:45:10	1.0368	0.000
33344.698042	0.698042	11.023	16-Apr-91	16:45:11	1.0426	0.007
33344.698044	0.698044	11.016	16-Apr-91	16:45:11	1.0454	0.000
33344.698047	0.698047	11.016	16-Apr-91	16:45:11	1.0498	0.000
33344.698052	0.698052	11.016	16-Apr-91	16:45:12	1.0570	0.000
33344.698054	0.698054	11.016	16-Apr-91	16:45:12	1.0598	0.000
33344.698057	0.698057	11.016	16-Apr-91	16:45:12	1.0642	0.000
33344.69806	0.69806	11.016	16-Apr-91	16:45:12	1.0685	0.000
33344.698062	0.698062	11.016	16-Apr-91	16:45:13	1.0714	0.000
33344.698066	0.698066	11.016	16-Apr-91	16:45:13	1.0771	0.000
33344.698071	0.698071	11.023	16-Apr-91	16:45:13	1.0843	0.007
33344.698073	0.698073	11.023	16-Apr-91	16:45:14	1.0872	0.007
33344.698075	0.698075	11.016	16-Apr-91	16:45:14	1.0901	0.000
33344.698079	0.698079	11.016	16-Apr-91	16:45:14	1.0958	0.000
33344.698081	0.698081	11.016	16-Apr-91	16:45:14	1.0987	0.000
33344.698084	0.698084	11.016	16-Apr-91	16:45:14	1.1030	0.000
33344.698089	0.698089	11.016	16-Apr-91	16:45:15	1.1102	0.000
33344.698091	0.698091	11.016	16-Apr-91	16:45:15	1.1131	0.000
33344.698094	0.698094	11.016	16-Apr-91	16:45:15	1.1174	0.000
33344.698097	0.698097	11.016	16-Apr-91	16:45:16	1.1218	0.000
33344.6981	0.6981	11.016	16-Apr-91	16:45:16	1.1261	0.000
33344.698103	0.698103	11.016	16-Apr-91	16:45:16	1.1304	0.000
33344.698108	0.698108	11.016	16-Apr-91	16:45:17	1.1376	0.000
33344.69811	0.69811	11.016	16-Apr-91	16:45:17	1.1405	0.000
33344.698112	0.698112	11.016	16-Apr-91	16:45:17	1.1434	0.000
33344.698116	0.698116	11.016	16-Apr-91	16:45:17	1.1491	0.000
33344.698118	0.698118	11.016	16-Apr-91	16:45:17	1.1520	0.000
33344.69812	0.69812	11.016	16-Apr-91	16:45:18	1.1549	0.000
33344.698126	0.698126	11.016	16-Apr-91	16:45:18	1.1635	0.000
33344.698128	0.698128	11.016	16-Apr-91	16:45:18	1.1664	0.000
33344.698131	0.698131	11.016	16-Apr-91	16:45:19	1.1707	0.000
33344.698134	0.698134	11.016	16-Apr-91	16:45:19	1.1750	0.000
33344.698137	0.698137	11.016	16-Apr-91	16:45:19	1.1794	0.000
33344.698139	0.698139	11.016	16-Apr-91	16:45:19	1.1822	0.000
33344.698145	0.698145	11.016	16-Apr-91	16:45:20	1.1909	0.000
33344.698147	0.698147	11.023	16-Apr-91	16:45:20	1.1938	0.007
33344.698149	0.698149	11.016	16-Apr-91	16:45:20	1.1966	0.000
33344.698153	0.698153	11.016	16-Apr-91	16:45:20	1.2024	0.000
33344.698155	0.698155	11.016	16-Apr-91	16:45:21	1.2053	0.000

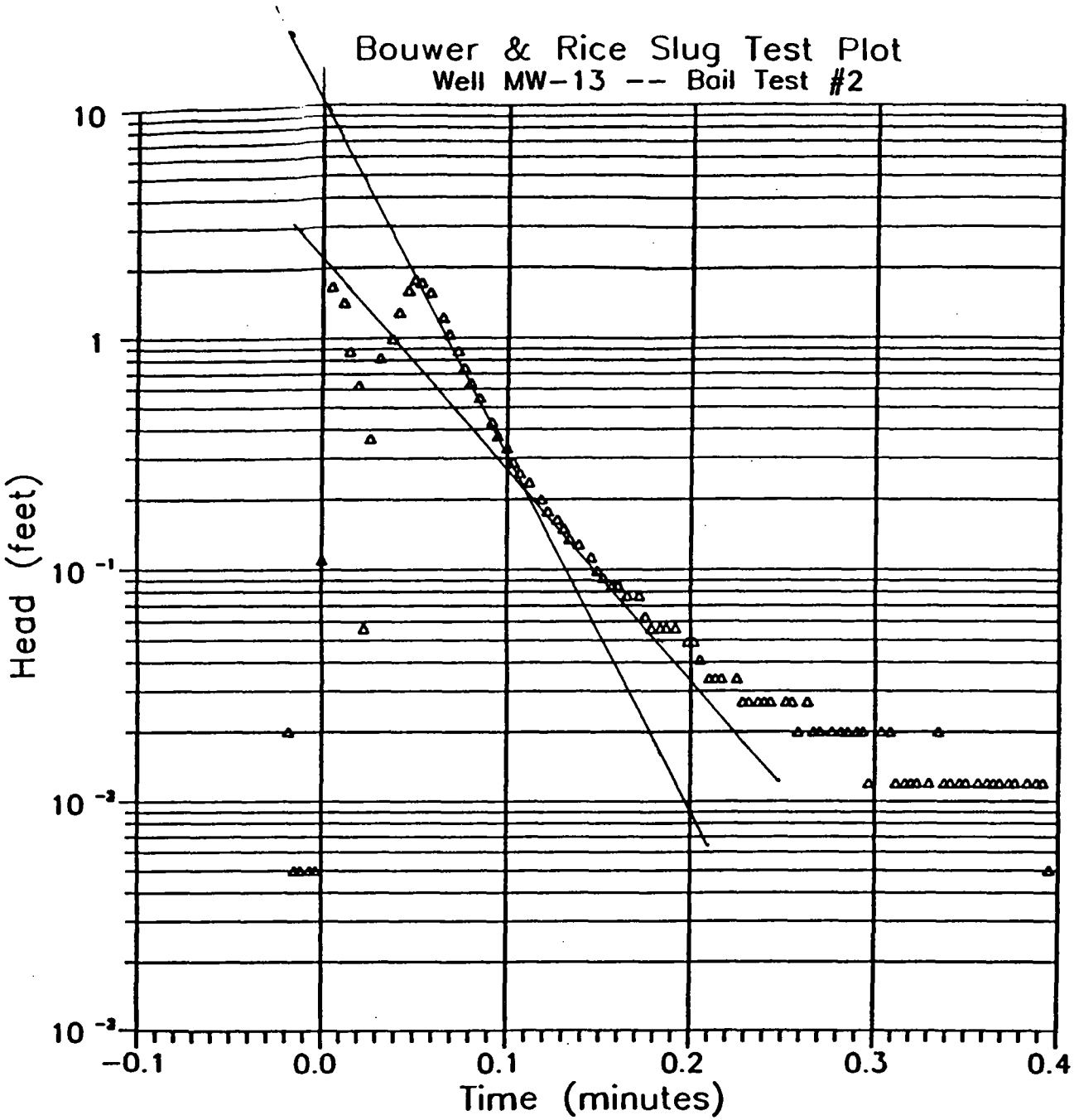
33344.698157	0.698157	11.016	16-Apr-91	16:45:21	1.2082	0.000
33344.698163	0.698163	11.016	16-Apr-91	16:45:21	1.2168	0.000
33344.698166	0.698166	11.016	16-Apr-91	16:45:22	1.2211	0.000
33344.698168	0.698168	11.016	16-Apr-91	16:45:22	1.2240	0.000
33344.698171	0.698171	11.016	16-Apr-91	16:45:22	1.2283	0.000
33344.698174	0.698174	11.016	16-Apr-91	16:45:22	1.2326	0.000
33344.698176	0.698176	11.016	16-Apr-91	16:45:22	1.2355	0.000
33344.698181	0.698181	11.016	16-Apr-91	16:45:23	1.2427	0.000
33344.698184	0.698184	11.016	16-Apr-91	16:45:23	1.2470	0.000
33344.698186	0.698186	11.023	16-Apr-91	16:45:23	1.2499	0.007
33344.69819	0.69819	11.016	16-Apr-91	16:45:24	1.2557	0.000
33344.698192	0.698192	11.016	16-Apr-91	16:45:24	1.2586	0.000
33344.698194	0.698194	11.016	16-Apr-91	16:45:24	1.2614	0.000
33344.698199	0.698199	11.016	16-Apr-91	16:45:24	1.2686	0.000
33344.698203	0.698203	11.016	16-Apr-91	16:45:25	1.2744	0.000
33344.698205	0.698205	11.016	16-Apr-91	16:45:25	1.2773	0.000
33344.698208	0.698208	11.023	16-Apr-91	16:45:25	1.2816	0.007
33344.698211	0.698211	11.016	16-Apr-91	16:45:25	1.2859	0.000
33344.698213	0.698213	11.016	16-Apr-91	16:45:26	1.2888	0.000
33344.698218	0.698218	11.016	16-Apr-91	16:45:26	1.2960	0.000
33344.698221	0.698221	11.016	16-Apr-91	16:45:26	1.3003	0.000
33344.698223	0.698223	11.016	16-Apr-91	16:45:26	1.3032	0.000
33344.698227	0.698227	11.016	16-Apr-91	16:45:27	1.3090	0.000
33344.698229	0.698229	11.016	16-Apr-91	16:45:27	1.3118	0.000
33344.698231	0.698231	11.016	16-Apr-91	16:45:27	1.3147	0.000
33344.698236	0.698236	11.016	16-Apr-91	16:45:28	1.3219	0.000
33344.69824	0.69824	11.016	16-Apr-91	16:45:28	1.3277	0.000
33344.698242	0.698242	11.016	16-Apr-91	16:45:28	1.3306	0.000
33344.698245	0.698245	11.016	16-Apr-91	16:45:28	1.3349	0.000
33344.698248	0.698248	11.016	16-Apr-91	16:45:29	1.3392	0.000
33344.69825	0.69825	11.016	16-Apr-91	16:45:29	1.3421	0.000
33344.698255	0.698255	11.016	16-Apr-91	16:45:29	1.3493	0.000
33344.698258	0.698258	11.016	16-Apr-91	16:45:29	1.3536	0.000
33344.69826	0.69826	11.016	16-Apr-91	16:45:30	1.3565	0.000
33344.698264	0.698264	11.016	16-Apr-91	16:45:30	1.3622	0.000
33344.698266	0.698266	11.016	16-Apr-91	16:45:30	1.3651	0.000
33344.698269	0.698269	11.016	16-Apr-91	16:45:30	1.3694	0.000
33344.698273	0.698273	11.016	16-Apr-91	16:45:31	1.3752	0.000
33344.698277	0.698277	11.016	16-Apr-91	16:45:31	1.3810	0.000
33344.698279	0.698279	11.016	16-Apr-91	16:45:31	1.3838	0.000
33344.698281	0.698281	11.023	16-Apr-91	16:45:31	1.3867	0.007
33344.698285	0.698285	11.016	16-Apr-91	16:45:32	1.3925	0.000
33344.698287	0.698287	11.016	16-Apr-91	16:45:32	1.3954	0.000
33344.698292	0.698292	11.016	16-Apr-91	16:45:32	1.4026	0.000
33344.698295	0.698295	11.016	16-Apr-91	16:45:33	1.4069	0.000
33344.698297	0.698297	11.016	16-Apr-91	16:45:33	1.4098	0.000
33344.6983	0.6983	11.016	16-Apr-91	16:45:33	1.4141	0.000

33344.698303	0.698303	11.016	16-Apr-91	16:45:33	1.4184	0.000
33344.698306	0.698306	11.016	16-Apr-91	16:45:34	1.4227	0.000
33344.69831	0.69831	11.016	16-Apr-91	16:45:34	1.4285	0.000
33344.698314	0.698314	11.016	16-Apr-91	16:45:34	1.4342	0.000
33344.698316	0.698316	11.016	16-Apr-91	16:45:35	1.4371	0.000
33344.698318	0.698318	11.016	16-Apr-91	16:45:35	1.4400	0.000
33344.698322	0.698322	11.016	16-Apr-91	16:45:35	1.4458	0.000
33344.698324	0.698324	11.016	16-Apr-91	16:45:35	1.4486	0.000
33344.698329	0.698329	11.016	16-Apr-91	16:45:36	1.4558	0.000
33344.698332	0.698332	11.016	16-Apr-91	16:45:36	1.4602	0.000
33344.698334	0.698334	11.016	16-Apr-91	16:45:36	1.4630	0.000
33344.698337	0.698337	11.016	16-Apr-91	16:45:36	1.4674	0.000
33344.69834	0.69834	11.016	16-Apr-91	16:45:37	1.4717	0.000
33344.698343	0.698343	11.016	16-Apr-91	16:45:37	1.4760	0.000
33344.698347	0.698347	11.016	16-Apr-91	16:45:37	1.4818	0.000
33344.698351	0.698351	11.016	16-Apr-91	16:45:38	1.4875	0.000
33344.698353	0.698353	11.016	16-Apr-91	16:45:38	1.4904	0.000
33344.698355	0.698355	11.016	16-Apr-91	16:45:38	1.4933	0.000
33344.698359	0.698359	11.016	16-Apr-91	16:45:38	1.4990	0.000
33344.698361	0.698361	11.016	16-Apr-91	16:45:38	1.5019	0.000
33344.698366	0.698366	11.016	16-Apr-91	16:45:39	1.5091	0.000
33344.698369	0.698369	11.016	16-Apr-91	16:45:39	1.5134	0.000
33344.698372	0.698372	11.016	16-Apr-91	16:45:39	1.5178	0.000
33344.698374	0.698374	11.016	16-Apr-91	16:45:40	1.5206	0.000
33344.698377	0.698377	11.016	16-Apr-91	16:45:40	1.5250	0.000
33344.69838	0.69838	11.016	16-Apr-91	16:45:40	1.5293	0.000
33344.698384	0.698384	11.016	16-Apr-91	16:45:40	1.5350	0.000
33344.698388	0.698388	11.016	16-Apr-91	16:45:41	1.5408	0.000
33344.69839	0.69839	11.016	16-Apr-91	16:45:41	1.5437	0.000
33344.698392	0.698392	11.016	16-Apr-91	16:45:41	1.5466	0.000
33344.698396	0.698396	11.016	16-Apr-91	16:45:41	1.5523	0.000
33344.698398	0.698398	11.016	16-Apr-91	16:45:42	1.5552	0.000
33344.698403	0.698403	11.016	16-Apr-91	16:45:42	1.5624	0.000
33344.698406	0.698406	11.016	16-Apr-91	16:45:42	1.5667	0.000
33344.698409	0.698409	11.016	16-Apr-91	16:45:43	1.5710	0.000
33344.698411	0.698411	11.016	16-Apr-91	16:45:43	1.5739	0.000
33344.698414	0.698414	11.016	16-Apr-91	16:45:43	1.5782	0.000
33344.698417	0.698417	11.016	16-Apr-91	16:45:43	1.5826	0.000
33344.698421	0.698421	11.016	16-Apr-91	16:45:44	1.5883	0.000
33344.698424	0.698424	11.016	16-Apr-91	16:45:44	1.5926	0.000
33344.698427	0.698427	11.016	16-Apr-91	16:45:44	1.5970	0.000
33344.698429	0.698429	11.016	16-Apr-91	16:45:44	1.5998	0.000
33344.698433	0.698433	11.016	16-Apr-91	16:45:45	1.6056	0.000
33344.698435	0.698435	11.016	16-Apr-91	16:45:45	1.6085	0.000
33344.69844	0.69844	11.016	16-Apr-91	16:45:45	1.6157	0.000
33344.698442	0.698442	11.016	16-Apr-91	16:45:45	1.6186	0.000
33344.698446	0.698446	11.016	16-Apr-91	16:45:46	1.6243	0.000

33344.698448	0.698448	11.023	16-Apr-91	16:45:46	1.6272	0.007
33344.698451	0.698451	11.016	16-Apr-91	16:45:46	1.6315	0.000
33344.698454	0.698454	11.016	16-Apr-91	16:45:46	1.6358	0.000
33344.698458	0.698458	11.016	16-Apr-91	16:45:47	1.6416	0.000
33344.698461	0.698461	11.016	16-Apr-91	16:45:47	1.6459	0.000
33344.698464	0.698464	11.016	16-Apr-91	16:45:47	1.6502	0.000
33344.698466	0.698466	11.016	16-Apr-91	16:45:47	1.6531	0.000
33344.69847	0.69847	11.016	16-Apr-91	16:45:48	1.6589	0.000
33344.698472	0.698472	11.016	16-Apr-91	16:45:48	1.6618	0.000
33344.698477	0.698477	11.016	16-Apr-91	16:45:48	1.6690	0.000
33344.698479	0.698479	11.016	16-Apr-91	16:45:49	1.6718	0.000
33344.698483	0.698483	11.016	16-Apr-91	16:45:49	1.6776	0.000
33344.698485	0.698485	11.016	16-Apr-91	16:45:49	1.6805	0.000
33344.698488	0.698488	11.016	16-Apr-91	16:45:49	1.6848	0.000
33344.698491	0.698491	11.023	16-Apr-91	16:45:50	1.6891	0.007
33344.698495	0.698495	11.016	16-Apr-91	16:45:50	1.6949	0.000
33344.698498	0.698498	11.016	16-Apr-91	16:45:50	1.6992	0.000
33344.698501	0.698501	11.016	16-Apr-91	16:45:50	1.7035	0.000
33344.698503	0.698503	11.016	16-Apr-91	16:45:51	1.7064	0.000
33344.698506	0.698506	11.016	16-Apr-91	16:45:51	1.7107	0.000
33344.698509	0.698509	11.016	16-Apr-91	16:45:51	1.7150	0.000
33344.698514	0.698514	11.016	16-Apr-91	16:45:52	1.7222	0.000
33344.698516	0.698516	11.023	16-Apr-91	16:45:52	1.7251	0.007
33344.69852	0.69852	11.023	16-Apr-91	16:45:52	1.7309	0.007
33344.698522	0.698522	11.016	16-Apr-91	16:45:52	1.7338	0.000
33344.698524	0.698524	11.016	16-Apr-91	16:45:52	1.7366	0.000
33344.698528	0.698528	11.016	16-Apr-91	16:45:53	1.7424	0.000
33344.698532	0.698532	11.016	16-Apr-91	16:45:53	1.7482	0.000
33344.698535	0.698535	11.016	16-Apr-91	16:45:53	1.7525	0.000
33344.698538	0.698538	11.016	16-Apr-91	16:45:54	1.7568	0.000
33344.698541	0.698541	11.016	16-Apr-91	16:45:54	1.7611	0.000
33344.698543	0.698543	11.016	16-Apr-91	16:45:54	1.7640	0.000
33344.698546	0.698546	11.016	16-Apr-91	16:45:54	1.7683	0.000
33344.698551	0.698551	11.016	16-Apr-91	16:45:55	1.7755	0.000
33344.698553	0.698553	11.016	16-Apr-91	16:45:55	1.7784	0.000
33344.698557	0.698557	11.023	16-Apr-91	16:45:55	1.7842	0.007
33344.698559	0.698559	11.016	16-Apr-91	16:45:55	1.7870	0.000
33344.698561	0.698561	11.016	16-Apr-91	16:45:56	1.7899	0.000
33344.698565	0.698565	11.016	16-Apr-91	16:45:56	1.7957	0.000
33344.698569	0.698569	11.016	16-Apr-91	16:45:56	1.8014	0.000
33344.698572	0.698572	11.016	16-Apr-91	16:45:57	1.8058	0.000
33344.698575	0.698575	11.016	16-Apr-91	16:45:57	1.8101	0.000
33344.698578	0.698578	11.016	16-Apr-91	16:45:57	1.8144	0.000
33344.69858	0.69858	11.016	16-Apr-91	16:45:57	1.8173	0.000
33344.698583	0.698583	11.016	16-Apr-91	16:45:58	1.8216	0.000
33344.698588	0.698588	11.016	16-Apr-91	16:45:58	1.8288	0.000
33344.69859	0.69859	11.016	16-Apr-91	16:45:58	1.8317	0.000

33344.698594	0.698594	11.016	16-Apr-91	16:45:59	1.8374	0.000
33344.698596	0.698596	11.016	16-Apr-91	16:45:59	1.8403	0.000
33344.698598	0.698598	11.016	16-Apr-91	16:45:59	1.8432	0.000
33344.698602	0.698602	11.016	16-Apr-91	16:45:59	1.8490	0.000
33344.698606	0.698606	11.016	16-Apr-91	16:46:00	1.8547	0.000
33344.698609	0.698609	11.016	16-Apr-91	16:46:00	1.8590	0.000
33344.698612	0.698612	11.016	16-Apr-91	16:46:00	1.8634	0.000
33344.698615	0.698615	11.016	16-Apr-91	16:46:00	1.8677	0.000
33344.698617	0.698617	11.016	16-Apr-91	16:46:01	1.8706	0.000
33344.69862	0.69862	11.016	16-Apr-91	16:46:01	1.8749	0.000
33344.698625	0.698625	11.016	16-Apr-91	16:46:01	1.8821	0.000
33344.698627	0.698627	11.023	16-Apr-91	16:46:01	1.8850	0.007
33344.698631	0.698631	11.016	16-Apr-91	16:46:02	1.8907	0.000
33344.698633	0.698633	11.016	16-Apr-91	16:46:02	1.8936	0.000
33344.698635	0.698635	11.016	16-Apr-91	16:46:02	1.8965	0.000
33344.698639	0.698639	11.016	16-Apr-91	16:46:02	1.9022	0.000
33344.698644	0.698644	11.016	16-Apr-91	16:46:03	1.9094	0.000
33344.698646	0.698646	11.016	16-Apr-91	16:46:03	1.9123	0.000
33344.698649	0.698649	11.016	16-Apr-91	16:46:03	1.9166	0.000
33344.698652	0.698652	11.016	16-Apr-91	16:46:04	1.9210	0.000
33344.698654	0.698654	11.016	16-Apr-91	16:46:04	1.9238	0.000
33344.698657	0.698657	11.016	16-Apr-91	16:46:04	1.9282	0.000
33344.698662	0.698662	11.016	16-Apr-91	16:46:04	1.9354	0.000
33344.698664	0.698664	11.016	16-Apr-91	16:46:05	1.9382	0.000
33344.698667	0.698667	11.016	16-Apr-91	16:46:05	1.9426	0.000
33344.69867	0.69867	11.016	16-Apr-91	16:46:05	1.9469	0.000
33344.698672	0.698672	11.016	16-Apr-91	16:46:05	1.9498	0.000
33344.698676	0.698676	11.016	16-Apr-91	16:46:06	1.9555	0.000
33344.698681	0.698681	11.016	16-Apr-91	16:46:06	1.9627	0.000
33344.698683	0.698683	11.016	16-Apr-91	16:46:06	1.9656	0.000
33344.698685	0.698685	11.016	16-Apr-91	16:46:06	1.9685	0.000
33344.698689	0.698689	11.016	16-Apr-91	16:46:07	1.9742	0.000
33344.698691	0.698691	11.016	16-Apr-91	16:46:07	1.9771	0.000
33344.698694	0.698694	11.016	16-Apr-91	16:46:07	1.9814	0.000
33344.698699	0.698699	11.023	16-Apr-91	16:46:08	1.9886	0.007
33344.698701	0.698701	11.016	16-Apr-91	16:46:08	1.9915	0.000
33344.698704	0.698704	11.016	16-Apr-91	16:46:08	1.9958	0.000
33344.698707	0.698707	11.016	16-Apr-91	16:46:08	2.0002	0.000
33344.698709	0.698709	11.016	16-Apr-91	16:46:08	2.0030	0.000
33344.698713	0.698713	11.016	16-Apr-91	16:46:09	2.0088	0.000
33344.698718	0.698718	11.016	16-Apr-91	16:46:09	2.0160	0.000
33344.69872	0.69872	11.016	16-Apr-91	16:46:09	2.0189	0.000
33344.698722	0.698722	11.016	16-Apr-91	16:46:10	2.0218	0.000
33344.698726	0.698726	11.016	16-Apr-91	16:46:10	2.0275	0.000
33344.698728	0.698728	11.016	16-Apr-91	16:46:10	2.0304	0.000
33344.698731	0.698731	11.016	16-Apr-91	16:46:10	2.0347	0.000
33344.698736	0.698736	11.016	16-Apr-91	16:46:11	2.0419	0.000

33344.698738	0.698738	11.016	16-Apr-91	16:46:11	2.0448	0.000
33344.698741	0.698741	11.016	16-Apr-91	16:46:11	2.0491	0.000
33344.698744	0.698744	11.016	16-Apr-91	16:46:11	2.0534	0.000
33344.698747	0.698747	11.023	16-Apr-91	16:46:12	2.0578	0.007
33344.69875	0.69875	11.016	16-Apr-91	16:46:12	2.0621	0.000
33344.698755	0.698755	11.016	16-Apr-91	16:46:12	2.0693	0.000
33344.698757	0.698757	11.016	16-Apr-91	16:46:13	2.0722	0.000
33344.698759	0.698759	11.016	16-Apr-91	16:46:13	2.0750	0.000
33344.698763	0.698763	11.016	16-Apr-91	16:46:13	2.0808	0.000
33344.698765	0.698765	11.023	16-Apr-91	16:46:13	2.0837	0.007
33344.698767	0.698767	11.016	16-Apr-91	16:46:13	2.0866	0.000
33344.698773	0.698773	11.016	16-Apr-91	16:46:14	2.0952	0.000
33344.698775	0.698775	11.016	16-Apr-91	16:46:14	2.0981	0.000
33344.698778	0.698778	11.009	16-Apr-91	16:46:14	2.1024	0.007
33344.698781	0.698781	11.009	16-Apr-91	16:46:15	2.1067	0.007
33344.698784	0.698784	11.016	16-Apr-91	16:46:15	2.1110	0.000
33344.698786	0.698786	11.016	16-Apr-91	16:46:15	2.1139	0.000
33344.698792	0.698792	11.016	16-Apr-91	16:46:16	2.1226	0.000
33344.698794	0.698794	11.016	16-Apr-91	16:46:16	2.1254	0.000
33344.698796	0.698796	11.016	16-Apr-91	16:46:16	2.1283	0.000
33344.6988	0.6988	11.016	16-Apr-91	16:46:16	2.1341	0.000
33344.698802	0.698802	11.016	16-Apr-91	16:46:16	2.1370	0.000
33344.698804	0.698804	11.016	16-Apr-91	16:46:17	2.1398	0.000
33344.698809	0.698809	11.016	16-Apr-91	16:46:17	2.1470	0.000
33344.698812	0.698812	11.016	16-Apr-91	16:46:17	2.1514	0.000
33344.698815	0.698815	11.016	16-Apr-91	16:46:18	2.1557	0.000
33344.698818	0.698818	11.016	16-Apr-91	16:46:18	2.1600	0.000
33344.698821	0.698821	11.016	16-Apr-91	16:46:18	2.1643	0.000
33344.698823	0.698823	11.016	16-Apr-91	16:46:18	2.1672	0.000
33344.698828	0.698828	11.016	16-Apr-91	16:46:19	2.1744	0.000
33344.698831	0.698831	11.016	16-Apr-91	16:46:19	2.1787	0.000
33344.698833	0.698833	11.023	16-Apr-91	16:46:19	2.1816	0.007
33344.698837	0.698837	11.016	16-Apr-91	16:46:20	2.1874	0.000
33344.698839	0.698839	11.016	16-Apr-91	16:46:20	2.1902	0.000
33344.698841	0.698841	11.023	16-Apr-91	16:46:20	2.1931	0.007
33344.698846	0.698846	11.016	16-Apr-91	16:46:20	2.2003	0.000
33344.69885	0.69885	11.016	16-Apr-91	16:46:21	2.2061	0.000


Bouwer & Rice Slug Test Plot
Well MW-13 -- Bail Test #2
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-13i

Initial DTW (bgs) @ time < 0:	22.4	(feet)
Depth to top of sandpack:	34.0	(feet)
Depth to top of screen:	34.02	(feet)
H = Initial head @ time < 0:	12.01	(feet)
H(0)= Maximum head (@ t ~ 0):	1.76	(feet)
D = Length of well screen:	10.0	(feet)
L = Length of saturated sandpack:	11.0	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	22.7	(feet)
Length watertable to bottom of sandpack:	22.7	(feet)
b = Aquifer saturated thickness: (est.)	36.5	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	11:48:32
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	12.005

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.492022	0.492022	11.99	16-Apr-91	11:48:31	-0.0230	0.015	
33344.492024	0.492024	12.005	16-Apr-91	11:48:31	-0.0202	0.000	
33344.492027	0.492027	12.005	16-Apr-91	11:48:31	-0.0158	0.000	
33344.49203	0.49203	12.005	16-Apr-91	11:48:31	-0.0115	0.000	
33344.492032	0.492032	12.005	16-Apr-91	11:48:32	-0.0086	0.000	
33344.492035	0.492035	12.12	16-Apr-91	11:48:32	-0.0043	0.115	
33344.492038	0.492038	10.344	16-Apr-91	11:48:32	0.0000	1.661	Start bail test
33344.492043	0.492043	10.59	16-Apr-91	11:48:33	0.0072	1.415	
33344.492045	0.492045	11.131	16-Apr-91	11:48:33	0.0101	0.874	
33344.492049	0.492049	11.384	16-Apr-91	11:48:33	0.0158	0.621	
33344.492051	0.492051	11.954	16-Apr-91	11:48:33	0.0187	0.051	
33344.492053	0.492053	11.644	16-Apr-91	11:48:33	0.0216	0.361	
33344.492057	0.492057	11.189	16-Apr-91	11:48:34	0.0274	0.816	
33344.492061	0.492061	11.023	16-Apr-91	11:48:34	0.0331	0.982	
33344.492064	0.492064	10.727	16-Apr-91	11:48:34	0.0374	1.278	
33344.492067	0.492067	10.417	16-Apr-91	11:48:35	0.0418	1.588	
33344.492069	0.492069	10.243	16-Apr-91	11:48:35	0.0446	1.762	
33344.492072	0.492072	10.294	16-Apr-91	11:48:35	0.0490	1.711	
33344.492075	0.492075	10.453	16-Apr-91	11:48:35	0.0533	1.552	

33344.49208	0.49208	10.792	16-Apr-91	11:48:36	0.0605	1.213
33344.492082	0.492082	10.973	16-Apr-91	11:48:36	0.0634	1.032
33344.492086	0.492086	11.131	16-Apr-91	11:48:36	0.0691	0.874
33344.492088	0.492088	11.268	16-Apr-91	11:48:36	0.0720	0.737
33344.49209	0.49209	11.37	16-Apr-91	11:48:37	0.0749	0.635
33344.492094	0.492094	11.463	16-Apr-91	11:48:37	0.0806	0.542
33344.492098	0.492098	11.579	16-Apr-91	11:48:37	0.0864	0.426
33344.492101	0.492101	11.637	16-Apr-91	11:48:38	0.0907	0.368
33344.492104	0.492104	11.68	16-Apr-91	11:48:38	0.0950	0.325
33344.492106	0.492106	11.723	16-Apr-91	11:48:38	0.0979	0.282
33344.492109	0.492109	11.752	16-Apr-91	11:48:38	0.1022	0.253
33344.492112	0.492112	11.774	16-Apr-91	11:48:38	0.1066	0.231
33344.492117	0.492117	11.81	16-Apr-91	11:48:39	0.1138	0.195
33344.492119	0.492119	11.832	16-Apr-91	11:48:39	0.1166	0.173
33344.492123	0.492123	11.846	16-Apr-91	11:48:39	0.1224	0.159
33344.492125	0.492125	11.86	16-Apr-91	11:48:40	0.1253	0.145
33344.492127	0.492127	11.875	16-Apr-91	11:48:40	0.1282	0.130
33344.492131	0.492131	11.882	16-Apr-91	11:48:40	0.1339	0.123
33344.492135	0.492135	11.897	16-Apr-91	11:48:40	0.1397	0.108
33344.492138	0.492138	11.911	16-Apr-91	11:48:41	0.1440	0.094
33344.49214	0.49214	11.918	16-Apr-91	11:48:41	0.1469	0.087
33344.492144	0.492144	11.925	16-Apr-91	11:48:41	0.1526	0.080
33344.492146	0.492146	11.925	16-Apr-91	11:48:41	0.1555	0.080
33344.492149	0.492149	11.933	16-Apr-91	11:48:42	0.1598	0.072
33344.492154	0.492154	11.933	16-Apr-91	11:48:42	0.1670	0.072
33344.492156	0.492156	11.947	16-Apr-91	11:48:42	0.1699	0.058
33344.492159	0.492159	11.954	16-Apr-91	11:48:43	0.1742	0.051
33344.492162	0.492162	11.954	16-Apr-91	11:48:43	0.1786	0.051
33344.492164	0.492164	11.954	16-Apr-91	11:48:43	0.1814	0.051
33344.492168	0.492168	11.954	16-Apr-91	11:48:43	0.1872	0.051
33344.492172	0.492172	11.961	16-Apr-91	11:48:44	0.1930	0.044
33344.492175	0.492175	11.961	16-Apr-91	11:48:44	0.1973	0.044
33344.492177	0.492177	11.969	16-Apr-91	11:48:44	0.2002	0.036
33344.492181	0.492181	11.976	16-Apr-91	11:48:44	0.2059	0.029
33344.492183	0.492183	11.976	16-Apr-91	11:48:45	0.2088	0.029
33344.492185	0.492185	11.976	16-Apr-91	11:48:45	0.2117	0.029
33344.492191	0.492191	11.976	16-Apr-91	11:48:45	0.2203	0.029
33344.492193	0.492193	11.983	16-Apr-91	11:48:45	0.2232	0.022
33344.492196	0.492196	11.983	16-Apr-91	11:48:46	0.2275	0.022
33344.492199	0.492199	11.983	16-Apr-91	11:48:46	0.2318	0.022
33344.492201	0.492201	11.983	16-Apr-91	11:48:46	0.2347	0.022
33344.492204	0.492204	11.983	16-Apr-91	11:48:46	0.2390	0.022
33344.492209	0.492209	11.983	16-Apr-91	11:48:47	0.2462	0.022
33344.492212	0.492212	11.983	16-Apr-91	11:48:47	0.2506	0.022
33344.492214	0.492214	11.99	16-Apr-91	11:48:47	0.2534	0.015
33344.492218	0.492218	11.983	16-Apr-91	11:48:48	0.2592	0.022
33344.49222	0.49222	11.99	16-Apr-91	11:48:48	0.2621	0.015

33344.492222	0.492222	11.99	16-Apr-91	11:48:48	0.2650	0.015
33344.492227	0.492227	11.99	16-Apr-91	11:48:48	0.2722	0.015
33344.49223	0.49223	11.99	16-Apr-91	11:48:49	0.2765	0.015
33344.492233	0.492233	11.99	16-Apr-91	11:48:49	0.2808	0.015
33344.492236	0.492236	11.99	16-Apr-91	11:48:49	0.2851	0.015
33344.492238	0.492238	11.99	16-Apr-91	11:48:49	0.2880	0.015
33344.492241	0.492241	11.998	16-Apr-91	11:48:50	0.2923	0.007
33344.492245	0.492245	11.99	16-Apr-91	11:48:50	0.2981	0.015
33344.492249	0.492249	11.99	16-Apr-91	11:48:50	0.3038	0.015
33344.492251	0.492251	11.998	16-Apr-91	11:48:50	0.3067	0.007
33344.492255	0.492255	11.998	16-Apr-91	11:48:51	0.3125	0.007
33344.492257	0.492257	11.998	16-Apr-91	11:48:51	0.3154	0.007
33344.492259	0.492259	11.998	16-Apr-91	11:48:51	0.3182	0.007
33344.492264	0.492264	11.998	16-Apr-91	11:48:52	0.3254	0.007
33344.492267	0.492267	11.99	16-Apr-91	11:48:52	0.3298	0.015
33344.49227	0.49227	11.998	16-Apr-91	11:48:52	0.3341	0.007
33344.492272	0.492272	11.998	16-Apr-91	11:48:52	0.3370	0.007
33344.492275	0.492275	11.998	16-Apr-91	11:48:53	0.3413	0.007
33344.492278	0.492278	11.998	16-Apr-91	11:48:53	0.3456	0.007
33344.492282	0.492282	11.998	16-Apr-91	11:48:53	0.3514	0.007
33344.492286	0.492286	11.998	16-Apr-91	11:48:54	0.3571	0.007
33344.492288	0.492288	11.998	16-Apr-91	11:48:54	0.3600	0.007
33344.492291	0.492291	11.998	16-Apr-91	11:48:54	0.3643	0.007
33344.492294	0.492294	11.998	16-Apr-91	11:48:54	0.3686	0.007
33344.492296	0.492296	11.998	16-Apr-91	11:48:54	0.3715	0.007
33344.492301	0.492301	11.998	16-Apr-91	11:48:55	0.3787	0.007
33344.492304	0.492304	11.998	16-Apr-91	11:48:55	0.3830	0.007
33344.492307	0.492307	11.998	16-Apr-91	11:48:55	0.3874	0.007
33344.492309	0.492309	12.005	16-Apr-91	11:48:55	0.3902	0.000
33344.492313	0.492313	11.998	16-Apr-91	11:48:56	0.3960	0.007
33344.492315	0.492315	12.005	16-Apr-91	11:48:56	0.3989	0.000
33344.492319	0.492319	11.998	16-Apr-91	11:48:56	0.4046	0.007
33344.492323	0.492323	12.005	16-Apr-91	11:48:57	0.4104	0.000
33344.492325	0.492325	12.005	16-Apr-91	11:48:57	0.4133	0.000
33344.492328	0.492328	12.005	16-Apr-91	11:48:57	0.4176	0.000
33344.492331	0.492331	12.012	16-Apr-91	11:48:57	0.4219	0.007
33344.492333	0.492333	12.005	16-Apr-91	11:48:58	0.4248	0.000
33344.492338	0.492338	11.998	16-Apr-91	11:48:58	0.4320	0.007
33344.492341	0.492341	12.005	16-Apr-91	11:48:58	0.4363	0.000
33344.492344	0.492344	12.005	16-Apr-91	11:48:59	0.4406	0.000
33344.492346	0.492346	12.005	16-Apr-91	11:48:59	0.4435	0.000
33344.49235	0.49235	12.005	16-Apr-91	11:48:59	0.4493	0.000
33344.492352	0.492352	12.005	16-Apr-91	11:48:59	0.4522	0.000
33344.492356	0.492356	11.998	16-Apr-91	11:49:00	0.4579	0.007
33344.492359	0.492359	12.005	16-Apr-91	11:49:00	0.4622	0.000
33344.492362	0.492362	12.005	16-Apr-91	11:49:00	0.4666	0.000
33344.492365	0.492365	12.005	16-Apr-91	11:49:00	0.4709	0.000

33344.492368	0.492368	12.005	16-Apr-91	11:49:01	0.4752	0.000
33344.49237	0.49237	12.005	16-Apr-91	11:49:01	0.4781	0.000
33344.492375	0.492375	12.005	16-Apr-91	11:49:01	0.4853	0.000
33344.492377	0.492377	12.005	16-Apr-91	11:49:01	0.4882	0.000
33344.492381	0.492381	12.005	16-Apr-91	11:49:02	0.4939	0.000
33344.492383	0.492383	11.998	16-Apr-91	11:49:02	0.4968	0.007
33344.492387	0.492387	12.005	16-Apr-91	11:49:02	0.5026	0.000
33344.492389	0.492389	12.005	16-Apr-91	11:49:02	0.5054	0.000
33344.492394	0.492394	11.998	16-Apr-91	11:49:03	0.5126	0.007
33344.492396	0.492396	12.005	16-Apr-91	11:49:03	0.5155	0.000
33344.492399	0.492399	12.005	16-Apr-91	11:49:03	0.5198	0.000
33344.492402	0.492402	12.005	16-Apr-91	11:49:04	0.5242	0.000
33344.492405	0.492405	12.005	16-Apr-91	11:49:04	0.5285	0.000
33344.492407	0.492407	12.005	16-Apr-91	11:49:04	0.5314	0.000
33344.492412	0.492412	11.998	16-Apr-91	11:49:04	0.5386	0.007
33344.492414	0.492414	12.005	16-Apr-91	11:49:05	0.5414	0.000
33344.492418	0.492418	12.005	16-Apr-91	11:49:05	0.5472	0.000
33344.49242	0.49242	12.005	16-Apr-91	11:49:05	0.5501	0.000
33344.492422	0.492422	12.005	16-Apr-91	11:49:05	0.5530	0.000
33344.492426	0.492426	12.005	16-Apr-91	11:49:06	0.5587	0.000
33344.492431	0.492431	12.005	16-Apr-91	11:49:06	0.5659	0.000
33344.492433	0.492433	12.005	16-Apr-91	11:49:06	0.5688	0.000
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33344.492468	0.492468	12.005	16-Apr-91	11:49:09	0.6192	0.000
33344.49247	0.49247	12.005	16-Apr-91	11:49:09	0.6221	0.000
33344.492473	0.492473	11.998	16-Apr-91	11:49:10	0.6264	0.007
33344.492476	0.492476	12.005	16-Apr-91	11:49:10	0.6307	0.000
33344.492478	0.492478	12.005	16-Apr-91	11:49:10	0.6336	0.000
33344.492481	0.492481	12.005	16-Apr-91	11:49:10	0.6379	0.000
33344.492486	0.492486	12.005	16-Apr-91	11:49:11	0.6451	0.000
33344.492488	0.492488	12.005	16-Apr-91	11:49:11	0.6480	0.000
33344.492492	0.492492	12.005	16-Apr-91	11:49:11	0.6538	0.000
33344.492494	0.492494	12.005	16-Apr-91	11:49:11	0.6566	0.000
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33344.492513	0.492513	12.005	16-Apr-91	11:49:13	0.6840	0.000
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33344.492596	0.492596	12.005	16-Apr-91	11:49:20	0.8035	0.000
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33344.49261	0.49261	12.005	16-Apr-91	11:49:22	0.8237	0.000
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33344.492624	0.492624	12.005	16-Apr-91	11:49:23	0.8438	0.000
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33344.492674	0.492674	12.005	16-Apr-91	11:49:27	0.9158	0.000
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33344.492678	0.492678	12.005	16-Apr-91	11:49:27	0.9216	0.000
33344.492682	0.492682	12.005	16-Apr-91	11:49:28	0.9274	0.000
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33344.492692	0.492692	12.005	16-Apr-91	11:49:29	0.9418	0.000
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33344.492806	0.492806	12.005	16-Apr-91	11:49:38	1.1059	0.000
33344.492808	0.492808	12.005	16-Apr-91	11:49:39	1.1088	0.000
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33344.492882	0.492882	12.005	16-Apr-91	11:49:45	1.2154	0.000
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33344.492979	0.492979	12.005	16-Apr-91	11:49:53	1.3550	0.000
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33344.493021	0.493021	12.005	16-Apr-91	11:49:57	1.4155	0.000
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33344.493051	0.493051	12.005	16-Apr-91	11:50:00	1.4587	0.000
33344.493053	0.493053	12.005	16-Apr-91	11:50:00	1.4616	0.000
33344.493058	0.493058	11.998	16-Apr-91	11:50:00	1.4688	0.007
33344.493061	0.493061	12.005	16-Apr-91	11:50:00	1.4731	0.000
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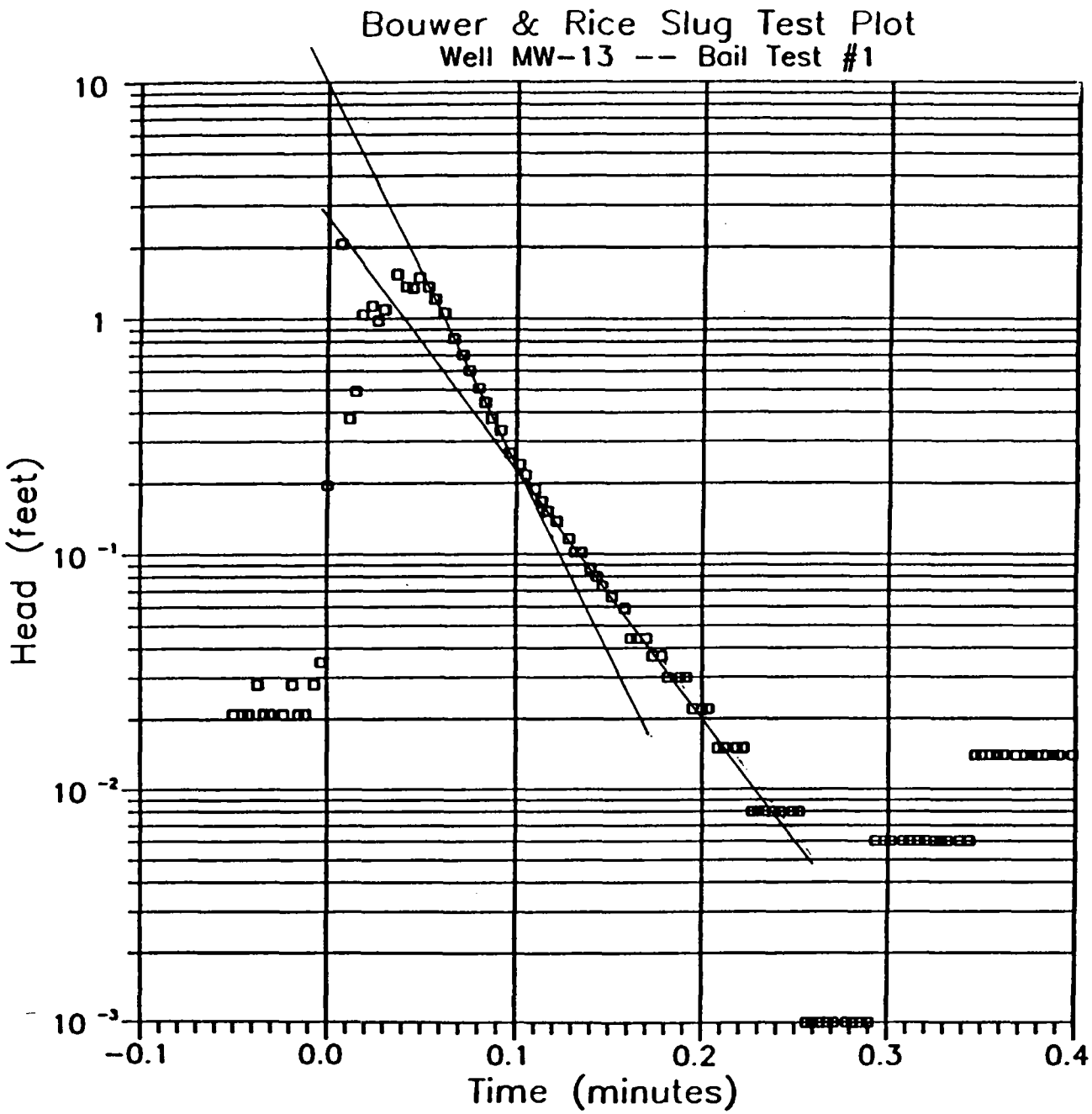

Bouwer & Rice Slug Test Plot
Well MW-13 -- Bail Test #1
Head (feet)
10
1
10 -1
10 -2
10 -3
-0.1
0.0
0.1
0.2
0.3
0.4
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-13i

Initial DTW (bgs) @ time < 0:	22.4	(feet)
Depth to top of sandpack:	34.0	(feet)
Depth to top of screen:	34.02	(feet)
H = Initial head @ time < 0:	12.04	(feet)
H(0)= Maximum head (@ t ~ 0):	2.09	(feet)
D = Length of well screen:	10.0	(feet)
L = Length of saturated sandpack:	11.0	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	22.7	(feet)
Length watertable to bottom of sandpack:	22.7	(feet)
b = Aquifer saturated thickness: (est.)	36.5	(feet)
Partial Penetration (Y/N):	Y	

Test Start Date >>>>>>	16-Apr-91
Test Start Time >>>>>>	11:34:31
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	12.041

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33344.482272	0.482272	12.041	16-Apr-91	11:34:28	-0.0504	0.000	
33344.482275	0.482275	12.041	16-Apr-91	11:34:29	-0.0461	0.000	
33344.482278	0.482278	12.041	16-Apr-91	11:34:29	-0.0418	0.000	
33344.482281	0.482281	12.048	16-Apr-91	11:34:29	-0.0374	0.007	
33344.482284	0.482284	12.041	16-Apr-91	11:34:29	-0.0331	0.000	
33344.482286	0.482286	12.041	16-Apr-91	11:34:30	-0.0302	0.000	
33344.482291	0.482291	12.041	16-Apr-91	11:34:30	-0.0230	0.000	
33344.482294	0.482294	12.048	16-Apr-91	11:34:30	-0.0187	0.007	
33344.482296	0.482296	12.041	16-Apr-91	11:34:30	-0.0158	0.000	
33344.482299	0.482299	12.041	16-Apr-91	11:34:31	-0.0115	0.000	
33344.482302	0.482302	12.048	16-Apr-91	11:34:31	-0.0072	0.007	
33344.482304	0.482304	12.055	16-Apr-91	11:34:31	-0.0043	0.014	
33344.482307	0.482307	11.824	16-Apr-91	11:34:31	0.0000	0.217	Start bail test
33344.482311	0.482311	9.9547	16-Apr-91	11:34:32	0.0058	2.086	
33344.482315	0.482315	11.644	16-Apr-91	11:34:32	0.0115	0.397	
33344.482317	0.482317	11.528	16-Apr-91	11:34:32	0.0144	0.513	
33344.482319	0.482319	10.98	16-Apr-91	11:34:32	0.0173	1.061	
33344.482323	0.482323	10.886	16-Apr-91	11:34:33	0.0230	1.155	
33344.482325	0.482325	13.001	16-Apr-91	11:34:33	0.0259	0.960	

33344.482328	0.482328	10.929	16-Apr-91	11:34:33	0.0302	1.112
33344.482332	0.482332	10.482	16-Apr-91	11:34:33	0.0360	1.559
33344.482336	0.482336	10.655	16-Apr-91	11:34:34	0.0418	1.386
33344.482338	0.482338	10.677	16-Apr-91	11:34:34	0.0446	1.364
33344.48234	0.48234	10.532	16-Apr-91	11:34:34	0.0475	1.509
33344.482344	0.482344	10.662	16-Apr-91	11:34:35	0.0533	1.379
33344.482346	0.482346	10.814	16-Apr-91	11:34:35	0.0562	1.227
33344.48235	0.48235	10.965	16-Apr-91	11:34:35	0.0619	1.076
33344.482353	0.482353	11.196	16-Apr-91	11:34:35	0.0662	0.845
33344.482356	0.482356	11.319	16-Apr-91	11:34:36	0.0706	0.722
33344.482359	0.482359	11.42	16-Apr-91	11:34:36	0.0749	0.621
33344.482362	0.482362	11.514	16-Apr-91	11:34:36	0.0792	0.527
33344.482365	0.482365	11.579	16-Apr-91	11:34:36	0.0835	0.462
33344.482367	0.482367	11.644	16-Apr-91	11:34:37	0.0864	0.397
33344.48237	0.48237	11.687	16-Apr-91	11:34:37	0.0907	0.354
33344.482374	0.482374	11.752	16-Apr-91	11:34:37	0.0965	0.289
33344.482377	0.482377	11.781	16-Apr-91	11:34:37	0.1008	0.260
33344.48238	0.48238	11.803	16-Apr-91	11:34:38	0.1051	0.238
33344.482383	0.482383	11.832	16-Apr-91	11:34:38	0.1094	0.209
33344.482385	0.482385	11.853	16-Apr-91	11:34:38	0.1123	0.188
33344.482388	0.482388	11.868	16-Apr-91	11:34:38	0.1166	0.173
33344.482391	0.482391	11.882	16-Apr-91	11:34:39	0.1210	0.159
33344.482396	0.482396	11.904	16-Apr-91	11:34:39	0.1282	0.137
33344.482398	0.482398	11.918	16-Apr-91	11:34:39	0.1310	0.123
33344.4824	0.4824	11.918	16-Apr-91	11:34:39	0.1339	0.123
33344.482404	0.482404	11.933	16-Apr-91	11:34:40	0.1397	0.108
33344.482406	0.482406	11.94	16-Apr-91	11:34:40	0.1426	0.101
33344.482409	0.482409	11.947	16-Apr-91	11:34:40	0.1469	0.094
33344.482412	0.482412	11.954	16-Apr-91	11:34:40	0.1512	0.087
33344.482417	0.482417	11.961	16-Apr-91	11:34:41	0.1584	0.080
33344.482419	0.482419	11.976	16-Apr-91	11:34:41	0.1613	0.065
33344.482421	0.482421	11.976	16-Apr-91	11:34:41	0.1642	0.065
33344.482425	0.482425	11.976	16-Apr-91	11:34:42	0.1699	0.065
33344.482427	0.482427	11.983	16-Apr-91	11:34:42	0.1728	0.058
33344.482431	0.482431	11.983	16-Apr-91	11:34:42	0.1786	0.058
33344.482433	0.482433	11.99	16-Apr-91	11:34:42	0.1814	0.051
33344.482437	0.482437	11.99	16-Apr-91	11:34:43	0.1872	0.051
33344.48244	0.48244	11.99	16-Apr-91	11:34:43	0.1915	0.051
33344.482442	0.482442	11.998	16-Apr-91	11:34:43	0.1944	0.043
33344.482446	0.482446	11.998	16-Apr-91	11:34:43	0.2002	0.043
33344.482448	0.482448	11.998	16-Apr-91	11:34:44	0.2030	0.043
33344.482451	0.482451	12.005	16-Apr-91	11:34:44	0.2074	0.036
33344.482454	0.482454	12.005	16-Apr-91	11:34:44	0.2117	0.036
33344.482458	0.482458	12.005	16-Apr-91	11:34:44	0.2174	0.036
33344.482461	0.482461	12.005	16-Apr-91	11:34:45	0.2218	0.036
33344.482464	0.482464	12.012	16-Apr-91	11:34:45	0.2261	0.029
33344.482466	0.482466	12.012	16-Apr-91	11:34:45	0.2290	0.029

33344.482469	0.482469	12.012	16-Apr-91	11:34:45	0.2333	0.029
33344.482472	0.482472	12.012	16-Apr-91	11:34:46	0.2376	0.029
33344.482475	0.482475	12.012	16-Apr-91	11:34:46	0.2419	0.029
33344.482479	0.482479	12.012	16-Apr-91	11:34:46	0.2477	0.029
33344.482481	0.482481	12.012	16-Apr-91	11:34:46	0.2506	0.029
33344.482485	0.482485	12.019	16-Apr-91	11:34:47	0.2563	0.022
33344.482487	0.482487	12.019	16-Apr-91	11:34:47	0.2592	0.022
33344.48249	0.48249	12.019	16-Apr-91	11:34:47	0.2635	0.022
33344.482493	0.482493	12.019	16-Apr-91	11:34:47	0.2678	0.022
33344.482495	0.482495	12.019	16-Apr-91	11:34:48	0.2707	0.022
33344.4825	0.4825	12.019	16-Apr-91	11:34:48	0.2779	0.022
33344.482502	0.482502	12.019	16-Apr-91	11:34:48	0.2808	0.022
33344.482506	0.482506	12.019	16-Apr-91	11:34:49	0.2866	0.022
33344.482508	0.482508	12.019	16-Apr-91	11:34:49	0.2894	0.022
33344.48251	0.48251	12.026	16-Apr-91	11:34:49	0.2923	0.015
33344.482514	0.482514	12.026	16-Apr-91	11:34:49	0.2981	0.015
33344.482516	0.482516	12.026	16-Apr-91	11:34:49	0.3010	0.015
33344.482521	0.482521	12.026	16-Apr-91	11:34:50	0.3082	0.015
33344.482523	0.482523	12.026	16-Apr-91	11:34:50	0.3110	0.015
33344.482527	0.482527	12.026	16-Apr-91	11:34:50	0.3168	0.015
33344.482529	0.482529	12.026	16-Apr-91	11:34:51	0.3197	0.015
33344.482532	0.482532	12.026	16-Apr-91	11:34:51	0.3240	0.015
33344.482535	0.482535	12.026	16-Apr-91	11:34:51	0.3283	0.015
33344.482537	0.482537	12.026	16-Apr-91	11:34:51	0.3312	0.015
33344.482542	0.482542	12.026	16-Apr-91	11:34:52	0.3384	0.015
33344.482545	0.482545	12.026	16-Apr-91	11:34:52	0.3427	0.015
33344.482547	0.482547	12.034	16-Apr-91	11:34:52	0.3456	0.007
33344.48255	0.48255	12.034	16-Apr-91	11:34:52	0.3499	0.007
33344.482553	0.482553	12.034	16-Apr-91	11:34:53	0.3542	0.007
33344.482556	0.482556	12.034	16-Apr-91	11:34:53	0.3586	0.007
33344.482558	0.482558	12.034	16-Apr-91	11:34:53	0.3614	0.007
33344.482562	0.482562	12.034	16-Apr-91	11:34:53	0.3672	0.007
33344.482566	0.482566	12.034	16-Apr-91	11:34:54	0.3730	0.007
33344.482568	0.482568	12.034	16-Apr-91	11:34:54	0.3758	0.007
33344.482571	0.482571	12.034	16-Apr-91	11:34:54	0.3802	0.007
33344.482574	0.482574	12.034	16-Apr-91	11:34:54	0.3845	0.007
33344.482576	0.482576	12.034	16-Apr-91	11:34:55	0.3874	0.007
33344.482579	0.482579	12.034	16-Apr-91	11:34:55	0.3917	0.007
33344.482583	0.482583	12.034	16-Apr-91	11:34:55	0.3974	0.007
33344.482587	0.482587	12.034	16-Apr-91	11:34:56	0.4032	0.007
33344.482589	0.482589	12.034	16-Apr-91	11:34:56	0.4061	0.007
33344.482591	0.482591	12.034	16-Apr-91	11:34:56	0.4090	0.007
33344.482595	0.482595	12.034	16-Apr-91	11:34:56	0.4147	0.007
33344.482597	0.482597	12.041	16-Apr-91	11:34:56	0.4176	0.000
33344.482601	0.482601	12.041	16-Apr-91	11:34:57	0.4234	0.000
33344.482604	0.482604	12.034	16-Apr-91	11:34:57	0.4277	0.007
33344.482608	0.482608	12.041	16-Apr-91	11:34:57	0.4334	0.000

33344.48261	0.48261	12.041	16-Apr-91	11:34:58	0.4363	0.000
33344.482613	0.482613	12.041	16-Apr-91	11:34:58	0.4406	0.000
33344.482616	0.482616	12.034	16-Apr-91	11:34:58	0.4450	0.007
33344.482618	0.482618	12.034	16-Apr-91	11:34:58	0.4478	0.007
33344.482622	0.482622	12.041	16-Apr-91	11:34:59	0.4536	0.000
33344.482625	0.482625	12.034	16-Apr-91	11:34:59	0.4579	0.007
33344.482628	0.482628	12.034	16-Apr-91	11:34:59	0.4622	0.007
33344.482631	0.482631	12.041	16-Apr-91	11:34:59	0.4666	0.000
33344.482634	0.482634	12.041	16-Apr-91	11:35:00	0.4709	0.000
33344.482637	0.482637	12.041	16-Apr-91	11:35:00	0.4752	0.000
33344.482639	0.482639	12.041	16-Apr-91	11:35:00	0.4781	0.000
33344.482642	0.482642	12.041	16-Apr-91	11:35:00	0.4824	0.000
33344.482647	0.482647	12.041	16-Apr-91	11:35:01	0.4896	0.000
33344.482649	0.482649	12.041	16-Apr-91	11:35:01	0.4925	0.000
33344.482652	0.482652	12.041	16-Apr-91	11:35:01	0.4968	0.000
33344.482655	0.482655	12.041	16-Apr-91	11:35:01	0.5011	0.000
33344.482657	0.482657	12.034	16-Apr-91	11:35:02	0.5040	0.007
33344.48266	0.48266	12.034	16-Apr-91	11:35:02	0.5083	0.007
33344.482663	0.482663	12.041	16-Apr-91	11:35:02	0.5126	0.000
33344.482668	0.482668	12.034	16-Apr-91	11:35:03	0.5198	0.007
33344.48267	0.48267	12.041	16-Apr-91	11:35:03	0.5227	0.000
33344.482672	0.482672	12.041	16-Apr-91	11:35:03	0.5256	0.000
33344.482676	0.482676	12.041	16-Apr-91	11:35:03	0.5314	0.000
33344.482678	0.482678	12.041	16-Apr-91	11:35:03	0.5342	0.000
33344.482681	0.482681	12.041	16-Apr-91	11:35:04	0.5386	0.000
33344.482684	0.482684	12.041	16-Apr-91	11:35:04	0.5429	0.000
33344.482689	0.482689	12.034	16-Apr-91	11:35:04	0.5501	0.007
33344.482691	0.482691	12.041	16-Apr-91	11:35:05	0.5530	0.000
33344.482693	0.482693	12.041	16-Apr-91	11:35:05	0.5558	0.000
33344.482697	0.482697	12.041	16-Apr-91	11:35:05	0.5616	0.000
33344.482699	0.482699	12.041	16-Apr-91	11:35:05	0.5645	0.000
33344.482703	0.482703	12.034	16-Apr-91	11:35:06	0.5702	0.007
33344.482705	0.482705	12.041	16-Apr-91	11:35:06	0.5731	0.000
33344.482709	0.482709	12.034	16-Apr-91	11:35:06	0.5789	0.007
33344.482712	0.482712	12.034	16-Apr-91	11:35:06	0.5832	0.007
33344.482715	0.482715	12.041	16-Apr-91	11:35:07	0.5875	0.000
33344.482718	0.482718	12.041	16-Apr-91	11:35:07	0.5918	0.000
33344.48272	0.48272	12.041	16-Apr-91	11:35:07	0.5947	0.000
33344.482723	0.482723	12.041	16-Apr-91	11:35:07	0.5990	0.000
33344.482726	0.482726	12.041	16-Apr-91	11:35:08	0.6034	0.000
33344.48273	0.48273	12.034	16-Apr-91	11:35:08	0.6091	0.007
33344.482733	0.482733	12.034	16-Apr-91	11:35:08	0.6134	0.007
33344.482736	0.482736	12.041	16-Apr-91	11:35:08	0.6178	0.000
33344.482738	0.482738	12.034	16-Apr-91	11:35:09	0.6206	0.007
33344.482741	0.482741	12.041	16-Apr-91	11:35:09	0.6250	0.000
33344.482744	0.482744	12.041	16-Apr-91	11:35:09	0.6293	0.000
33344.482747	0.482747	12.041	16-Apr-91	11:35:09	0.6336	0.000

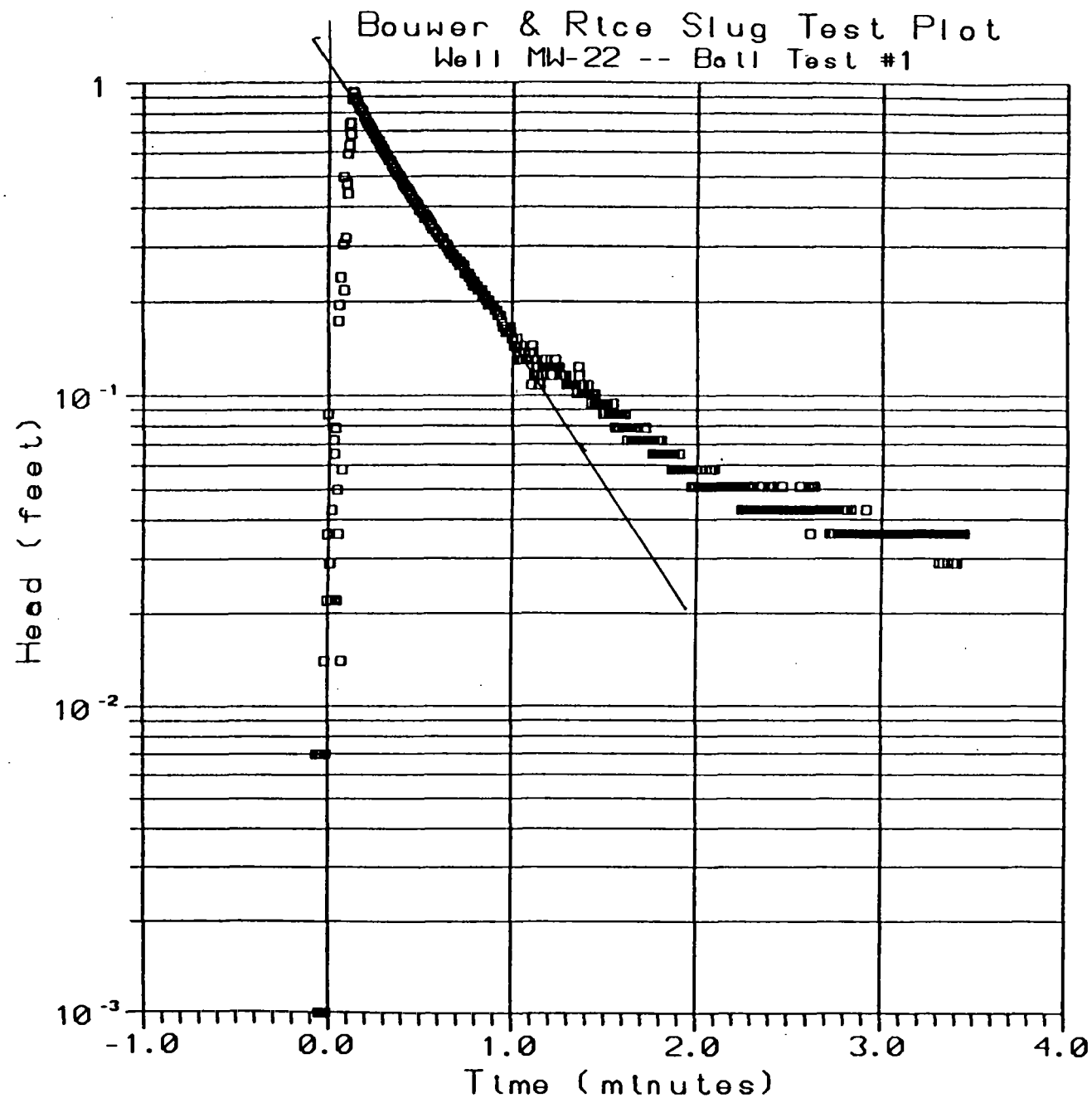
33344.482751	0.482751	12.034	16-Apr-91	11:35:10	0.6394	0.007
33344.482753	0.482753	12.041	16-Apr-91	11:35:10	0.6422	0.000
33344.482757	0.482757	12.041	16-Apr-91	11:35:10	0.6480	0.000
33344.482759	0.482759	12.034	16-Apr-91	11:35:10	0.6509	0.007
33344.482762	0.482762	12.041	16-Apr-91	11:35:11	0.6552	0.000
33344.482765	0.482765	12.041	16-Apr-91	11:35:11	0.6595	0.000
33344.482767	0.482767	12.034	16-Apr-91	11:35:11	0.6624	0.007
33344.482772	0.482772	12.034	16-Apr-91	11:35:12	0.6696	0.007
33344.482774	0.482774	12.041	16-Apr-91	11:35:12	0.6725	0.000
33344.482778	0.482778	12.041	16-Apr-91	11:35:12	0.6782	0.000
33344.48278	0.48278	12.041	16-Apr-91	11:35:12	0.6811	0.000
33344.482784	0.482784	12.041	16-Apr-91	11:35:13	0.6869	0.000
33344.482786	0.482786	12.034	16-Apr-91	11:35:13	0.6898	0.007
33344.482788	0.482788	12.041	16-Apr-91	11:35:13	0.6926	0.000
33344.482793	0.482793	12.034	16-Apr-91	11:35:13	0.6998	0.007
33344.482796	0.482796	12.041	16-Apr-91	11:35:14	0.7042	0.000
33344.482799	0.482799	12.041	16-Apr-91	11:35:14	0.7085	0.000
33344.482801	0.482801	12.041	16-Apr-91	11:35:14	0.7114	0.000
33344.482804	0.482804	12.041	16-Apr-91	11:35:14	0.7157	0.000
33344.482807	0.482807	12.041	16-Apr-91	11:35:15	0.7200	0.000
33344.482809	0.482809	12.041	16-Apr-91	11:35:15	0.7229	0.000
33344.482814	0.482814	12.041	16-Apr-91	11:35:15	0.7301	0.000
33344.482817	0.482817	12.041	16-Apr-91	11:35:15	0.7344	0.000
33344.482819	0.482819	12.041	16-Apr-91	11:35:16	0.7373	0.000
33344.482822	0.482822	12.034	16-Apr-91	11:35:16	0.7416	0.007
33344.482825	0.482825	12.041	16-Apr-91	11:35:16	0.7459	0.000
33344.482828	0.482828	12.041	16-Apr-91	11:35:16	0.7502	0.000
33344.48283	0.48283	12.041	16-Apr-91	11:35:17	0.7531	0.000
33344.482834	0.482834	12.034	16-Apr-91	11:35:17	0.7589	0.007
33344.482838	0.482838	12.041	16-Apr-91	11:35:17	0.7646	0.000
33344.48284	0.48284	12.034	16-Apr-91	11:35:17	0.7675	0.007
33344.482843	0.482843	12.041	16-Apr-91	11:35:18	0.7718	0.000
33344.482846	0.482846	12.041	16-Apr-91	11:35:18	0.7762	0.000
33344.482848	0.482848	12.034	16-Apr-91	11:35:18	0.7790	0.007
33344.482852	0.482852	12.034	16-Apr-91	11:35:18	0.7848	0.007
33344.482855	0.482855	12.034	16-Apr-91	11:35:19	0.7891	0.007
33344.482859	0.482859	12.041	16-Apr-91	11:35:19	0.7949	0.000
33344.482861	0.482861	12.041	16-Apr-91	11:35:19	0.7978	0.000
33344.482863	0.482863	12.041	16-Apr-91	11:35:19	0.8006	0.000
33344.482867	0.482867	12.041	16-Apr-91	11:35:20	0.8064	0.000
33344.482869	0.482869	12.041	16-Apr-91	11:35:20	0.8093	0.000
33344.482873	0.482873	12.041	16-Apr-91	11:35:20	0.8150	0.000
33344.482876	0.482876	12.034	16-Apr-91	11:35:20	0.8194	0.007
33344.48288	0.48288	12.041	16-Apr-91	11:35:21	0.8251	0.000
33344.482882	0.482882	12.041	16-Apr-91	11:35:21	0.8280	0.000
33344.482885	0.482885	12.041	16-Apr-91	11:35:21	0.8323	0.000
33344.482888	0.482888	12.041	16-Apr-91	11:35:22	0.8366	0.000

33344.48289	0.48289	12.041	16-Apr-91	11:35:22	0.8395	0.000
33344.482894	0.482894	12.041	16-Apr-91	11:35:22	0.8453	0.000
33344.482898	0.482898	12.041	16-Apr-91	11:35:22	0.8510	0.000
33344.4829	0.4829	12.041	16-Apr-91	11:35:23	0.8539	0.000
33344.482903	0.482903	12.041	16-Apr-91	11:35:23	0.8582	0.000
33344.482906	0.482906	12.041	16-Apr-91	11:35:23	0.8626	0.000
33344.482909	0.482909	12.041	16-Apr-91	11:35:23	0.8669	0.000
33344.482911	0.482911	12.041	16-Apr-91	11:35:24	0.8698	0.000
33344.482914	0.482914	12.041	16-Apr-91	11:35:24	0.8741	0.000
33344.482919	0.482919	12.041	16-Apr-91	11:35:24	0.8813	0.000
33344.482921	0.482921	12.041	16-Apr-91	11:35:24	0.8842	0.000
33344.482924	0.482924	12.041	16-Apr-91	11:35:25	0.8885	0.000
33344.482927	0.482927	12.041	16-Apr-91	11:35:25	0.8928	0.000
33344.482929	0.482929	12.041	16-Apr-91	11:35:25	0.8957	0.000
33344.482932	0.482932	12.041	16-Apr-91	11:35:25	0.9000	0.000
33344.482935	0.482935	12.041	16-Apr-91	11:35:26	0.9043	0.000
33344.48294	0.48294	12.034	16-Apr-91	11:35:26	0.9115	0.007
33344.482942	0.482942	12.041	16-Apr-91	11:35:26	0.9144	0.000
33344.482944	0.482944	12.041	16-Apr-91	11:35:26	0.9173	0.000
33344.482948	0.482948	12.041	16-Apr-91	11:35:27	0.9230	0.000
33344.48295	0.48295	12.041	16-Apr-91	11:35:27	0.9259	0.000
33344.482954	0.482954	12.041	16-Apr-91	11:35:27	0.9317	0.000
33344.482956	0.482956	12.041	16-Apr-91	11:35:27	0.9346	0.000
33344.482961	0.482961	12.034	16-Apr-91	11:35:28	0.9418	0.007
33344.482963	0.482963	12.041	16-Apr-91	11:35:28	0.9446	0.000
33344.482966	0.482966	12.041	16-Apr-91	11:35:28	0.9490	0.000
33344.482969	0.482969	12.041	16-Apr-91	11:35:29	0.9533	0.000
33344.482971	0.482971	12.034	16-Apr-91	11:35:29	0.9562	0.007
33344.482975	0.482975	12.041	16-Apr-91	11:35:29	0.9619	0.000
33344.482977	0.482977	12.041	16-Apr-91	11:35:29	0.9648	0.000
33344.482981	0.482981	12.034	16-Apr-91	11:35:30	0.9706	0.007
33344.482984	0.482984	12.034	16-Apr-91	11:35:30	0.9749	0.007
33344.482987	0.482987	12.041	16-Apr-91	11:35:30	0.9792	0.000
33344.48299	0.48299	12.041	16-Apr-91	11:35:30	0.9835	0.000
33344.482992	0.482992	12.041	16-Apr-91	11:35:31	0.9864	0.000
33344.482995	0.482995	12.041	16-Apr-91	11:35:31	0.9907	0.000
33344.482998	0.482998	12.041	16-Apr-91	11:35:31	0.9950	0.000
33344.483002	0.483002	12.034	16-Apr-91	11:35:31	1.0008	0.007
33344.483005	0.483005	12.041	16-Apr-91	11:35:32	1.0051	0.000
33344.483008	0.483008	12.041	16-Apr-91	11:35:32	1.0094	0.000
33344.48301	0.48301	12.041	16-Apr-91	11:35:32	1.0123	0.000
33344.483013	0.483013	12.041	16-Apr-91	11:35:32	1.0166	0.000
33344.483016	0.483016	12.041	16-Apr-91	11:35:33	1.0210	0.000
33344.483019	0.483019	12.041	16-Apr-91	11:35:33	1.0253	0.000
33344.483023	0.483023	12.034	16-Apr-91	11:35:33	1.0310	0.007
33344.483025	0.483025	12.041	16-Apr-91	11:35:33	1.0339	0.000
33344.483029	0.483029	12.034	16-Apr-91	11:35:34	1.0397	0.007

33344.483031	0.483031	12.041	16-Apr-91	11:35:34	1.0426	0.000
33344.483035	0.483035	12.041	16-Apr-91	11:35:34	1.0483	0.000
33344.483037	0.483037	12.041	16-Apr-91	11:35:34	1.0512	0.000
33344.483039	0.483039	12.041	16-Apr-91	11:35:35	1.0541	0.000
33344.483044	0.483044	12.041	16-Apr-91	11:35:35	1.0613	0.000
33344.483046	0.483046	12.041	16-Apr-91	11:35:35	1.0642	0.000
33344.48305	0.48305	12.041	16-Apr-91	11:35:36	1.0699	0.000
33344.483052	0.483052	12.041	16-Apr-91	11:35:36	1.0728	0.000
33344.483056	0.483056	12.041	16-Apr-91	11:35:36	1.0786	0.000
33344.483058	0.483058	12.041	16-Apr-91	11:35:36	1.0814	0.000
33344.48306	0.48306	12.041	16-Apr-91	11:35:36	1.0843	0.000
33344.483065	0.483065	12.034	16-Apr-91	11:35:37	1.0915	0.007
33344.483068	0.483068	12.041	16-Apr-91	11:35:37	1.0958	0.000
33344.483071	0.483071	12.041	16-Apr-91	11:35:37	1.1002	0.000
33344.483073	0.483073	12.041	16-Apr-91	11:35:38	1.1030	0.000
33344.483076	0.483076	12.041	16-Apr-91	11:35:38	1.1074	0.000
33344.483079	0.483079	12.041	16-Apr-91	11:35:38	1.1117	0.000
33344.483081	0.483081	12.041	16-Apr-91	11:35:38	1.1146	0.000
33344.483086	0.483086	12.034	16-Apr-91	11:35:39	1.1218	0.007
33344.483089	0.483089	12.034	16-Apr-91	11:35:39	1.1261	0.007
33344.483091	0.483091	12.041	16-Apr-91	11:35:39	1.1290	0.000
33344.483094	0.483094	12.041	16-Apr-91	11:35:39	1.1333	0.000
33344.483097	0.483097	12.034	16-Apr-91	11:35:40	1.1376	0.007
33344.4831	0.4831	12.041	16-Apr-91	11:35:40	1.1419	0.000
33344.483103	0.483103	12.041	16-Apr-91	11:35:40	1.1462	0.000
33344.483106	0.483106	12.034	16-Apr-91	11:35:40	1.1506	0.007
33344.48311	0.48311	12.034	16-Apr-91	11:35:41	1.1563	0.007
33344.483112	0.483112	12.041	16-Apr-91	11:35:41	1.1592	0.000
33344.483115	0.483115	12.041	16-Apr-91	11:35:41	1.1635	0.000
33344.483118	0.483118	12.041	16-Apr-91	11:35:41	1.1678	0.000
33344.48312	0.48312	12.041	16-Apr-91	11:35:42	1.1707	0.000
33344.483124	0.483124	12.041	16-Apr-91	11:35:42	1.1765	0.000
33344.483127	0.483127	12.041	16-Apr-91	11:35:42	1.1808	0.000
33344.483131	0.483131	12.041	16-Apr-91	11:35:43	1.1866	0.000
33344.483133	0.483133	12.041	16-Apr-91	11:35:43	1.1894	0.000
33344.483137	0.483137	12.041	16-Apr-91	11:35:43	1.1952	0.000
33344.483139	0.483139	12.041	16-Apr-91	11:35:43	1.1981	0.000
33344.483141	0.483141	12.041	16-Apr-91	11:35:43	1.2010	0.000
33344.483145	0.483145	12.041	16-Apr-91	11:35:44	1.2067	0.000
33344.483148	0.483148	12.041	16-Apr-91	11:35:44	1.2110	0.000
33344.483152	0.483152	12.041	16-Apr-91	11:35:44	1.2168	0.000
33344.483154	0.483154	12.041	16-Apr-91	11:35:45	1.2197	0.000
33344.483157	0.483157	12.034	16-Apr-91	11:35:45	1.2240	0.007
33344.48316	0.48316	12.041	16-Apr-91	11:35:45	1.2283	0.000
33344.483162	0.483162	12.041	16-Apr-91	11:35:45	1.2312	0.000
33344.483166	0.483166	12.041	16-Apr-91	11:35:46	1.2370	0.000
33344.48317	0.48317	12.034	16-Apr-91	11:35:46	1.2427	0.007

33344.483172	0.483172	12.041	16-Apr-91	11:35:46	1.2456	0.000
33344.483175	0.483175	12.041	16-Apr-91	11:35:46	1.2499	0.000
33344.483178	0.483178	12.041	16-Apr-91	11:35:47	1.2542	0.000
33344.483181	0.483181	12.041	16-Apr-91	11:35:47	1.2586	0.000
33344.483183	0.483183	12.041	16-Apr-91	11:35:47	1.2614	0.000
33344.483186	0.483186	12.041	16-Apr-91	11:35:47	1.2658	0.000
33344.483191	0.483191	12.041	16-Apr-91	11:35:48	1.2730	0.000
33344.483193	0.483193	12.041	16-Apr-91	11:35:48	1.2758	0.000
33344.483196	0.483196	12.034	16-Apr-91	11:35:48	1.2802	0.007
33344.483199	0.483199	12.041	16-Apr-91	11:35:48	1.2845	0.000
33344.483201	0.483201	12.041	16-Apr-91	11:35:49	1.2874	0.000
33344.483205	0.483205	12.041	16-Apr-91	11:35:49	1.2931	0.000
33344.483207	0.483207	12.041	16-Apr-91	11:35:49	1.2960	0.000
33344.483212	0.483212	12.041	16-Apr-91	11:35:50	1.3032	0.000
33344.483214	0.483214	12.041	16-Apr-91	11:35:50	1.3061	0.000
33344.483216	0.483216	12.041	16-Apr-91	11:35:50	1.3090	0.000
33344.48322	0.48322	12.034	16-Apr-91	11:35:50	1.3147	0.007
33344.483222	0.483222	12.041	16-Apr-91	11:35:50	1.3176	0.000
33344.483226	0.483226	12.041	16-Apr-91	11:35:51	1.3234	0.000
33344.483228	0.483228	12.041	16-Apr-91	11:35:51	1.3262	0.000
33344.483233	0.483233	12.041	16-Apr-91	11:35:51	1.3334	0.000
33344.483235	0.483235	12.034	16-Apr-91	11:35:52	1.3363	0.007
33344.483238	0.483238	12.041	16-Apr-91	11:35:52	1.3406	0.000
33344.483241	0.483241	12.041	16-Apr-91	11:35:52	1.3450	0.000
33344.483243	0.483243	12.041	16-Apr-91	11:35:52	1.3478	0.000
33344.483247	0.483247	12.041	16-Apr-91	11:35:53	1.3536	0.000
33344.483249	0.483249	12.041	16-Apr-91	11:35:53	1.3565	0.000
33344.483253	0.483253	12.041	16-Apr-91	11:35:53	1.3622	0.000
33344.483256	0.483256	12.041	16-Apr-91	11:35:53	1.3666	0.000
33344.483259	0.483259	12.041	16-Apr-91	11:35:54	1.3709	0.000
33344.483262	0.483262	12.041	16-Apr-91	11:35:54	1.3752	0.000
33344.483264	0.483264	12.041	16-Apr-91	11:35:54	1.3781	0.000
33344.483267	0.483267	12.034	16-Apr-91	11:35:54	1.3824	0.007
33344.48327	0.48327	12.034	16-Apr-91	11:35:55	1.3867	0.007
33344.483274	0.483274	12.034	16-Apr-91	11:35:55	1.3925	0.007
33344.483277	0.483277	12.034	16-Apr-91	11:35:55	1.3968	0.007
33344.48328	0.48328	12.041	16-Apr-91	11:35:55	1.4011	0.000
33344.483282	0.483282	12.041	16-Apr-91	11:35:56	1.4040	0.000
33344.483285	0.483285	12.034	16-Apr-91	11:35:56	1.4083	0.007
33344.483288	0.483288	12.041	16-Apr-91	11:35:56	1.4126	0.000
33344.483291	0.483291	12.041	16-Apr-91	11:35:56	1.4170	0.000
33344.483295	0.483295	12.034	16-Apr-91	11:35:57	1.4227	0.007
33344.483297	0.483297	12.041	16-Apr-91	11:35:57	1.4256	0.000
33344.483301	0.483301	12.041	16-Apr-91	11:35:57	1.4314	0.000
33344.483303	0.483303	12.041	16-Apr-91	11:35:57	1.4342	0.000
33344.483306	0.483306	12.041	16-Apr-91	11:35:58	1.4386	0.000
33344.483309	0.483309	12.041	16-Apr-91	11:35:58	1.4429	0.000

33344.483311	0.483311	12.041	16-Apr-91	11:35:58	1.4458	0.000
33344.483316	0.483316	12.041	16-Apr-91	11:35:59	1.4530	0.000
33344.483318	0.483318	12.041	16-Apr-91	11:35:59	1.4558	0.000
33344.483322	0.483322	12.041	16-Apr-91	11:35:59	1.4616	0.000


Bouwer & Rice Slug Test Plot
Well MW-22 -- Bail Test #1
Head (feet)
1
10 -1
10 -2
10 -3
-1.0
0.0
1.0
2.0
3.0
4.0
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-22i

Initial DTW (bgs) @ time < 0:	23.6	(feet)
Depth to top of sandpack:	41.1	(feet)
Depth to top of screen:	42.0	(feet)
H = Initial head @ time < 0:	14.45	(feet)
H(0)= Maximum head (@ t ~ 0):	0.93	(feet)
D = Length of well screen:	10.0	(feet)
L = Length of saturated sandpack:	11.9	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	29.4	(feet)
Length watertable to bottom of sandpack:	29.4	(feet)
b = Aquifer saturated thickness:	12.0	(feet)
Partial Penetration (Y/N):	N	

Test Start Date >>>>>>	10-Dec-91
Test Start Time >>>>>>	10:26:53
Test Type >>>>>>>>>>>>	Bail #1
Initial head at T<0 >>>>>>>	14.452

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33582.435252	0.435252	14.459	10-Dec-91	10:26:46	-0.1210	0.007	
33582.435255	0.435255	14.459	10-Dec-91	10:26:46	-0.1166	0.007	
33582.435259	0.435259	14.452	10-Dec-91	10:26:46	-0.1109	0.000	
33582.435262	0.435262	14.452	10-Dec-91	10:26:47	-0.1066	0.000	
33582.435265	0.435265	14.452	10-Dec-91	10:26:47	-0.1022	0.000	
33582.435267	0.435267	14.459	10-Dec-91	10:26:47	-0.0994	0.007	
33582.435271	0.435271	14.452	10-Dec-91	10:26:47	-0.0936	0.000	
33582.435273	0.435273	14.445	10-Dec-91	10:26:48	-0.0907	0.007	
33582.435275	0.435275	14.452	10-Dec-91	10:26:48	-0.0878	0.000	
33582.43528	0.43528	14.452	10-Dec-91	10:26:48	-0.0806	0.000	
33582.435284	0.435284	14.438	10-Dec-91	10:26:49	-0.0749	0.014	
33582.435286	0.435286	14.452	10-Dec-91	10:26:49	-0.0720	0.000	
33582.435288	0.435288	14.459	10-Dec-91	10:26:49	-0.0691	0.007	
33582.435292	0.435292	14.488	10-Dec-91	10:26:49	-0.0634	0.036	
33582.435294	0.435294	14.474	10-Dec-91	10:26:49	-0.0605	0.022	Start bail test
33582.435296	0.435296	14.365	10-Dec-91	10:26:50	-0.0576	0.087	
33582.435301	0.435301	14.481	10-Dec-91	10:26:50	-0.0504	0.029	
33582.435304	0.435304	14.481	10-Dec-91	10:26:50	-0.0461	0.029	
33582.435307	0.435307	14.43	10-Dec-91	10:26:51	-0.0418	0.022	

33582.435309	0.435309	14.409	10-Dec-91	10:26:51	-0.0389	0.043
33582.435312	0.435312	14.43	10-Dec-91	10:26:51	-0.0346	0.022
33582.435315	0.435315	14.524	10-Dec-91	10:26:51	-0.0302	0.072
33582.435317	0.435317	14.517	10-Dec-91	10:26:51	-0.0274	0.065
33582.435323	0.435323	14.373	10-Dec-91	10:26:52	-0.0187	0.079
33582.435325	0.435325	14.474	10-Dec-91	10:26:52	-0.0158	0.022
33582.435328	0.435328	14.502	10-Dec-91	10:26:52	-0.0115	0.050
33582.435331	0.435331	14.474	10-Dec-91	10:26:53	-0.0072	0.022
33582.435333	0.435333	14.416	10-Dec-91	10:26:53	-0.0043	0.036
33582.435336	0.435336	14.279	10-Dec-91	10:26:53	0.0000	0.173
33582.435339	0.435339	14.257	10-Dec-91	10:26:53	0.0043	0.195
33582.435344	0.435344	14.214	10-Dec-91	10:26:54	0.0115	0.238
33582.435346	0.435346	14.394	10-Dec-91	10:26:54	0.0144	0.058
33582.435348	0.435348	14.438	10-Dec-91	10:26:54	0.0173	0.014
33582.435352	0.435352	14.149	10-Dec-91	10:26:54	0.0230	0.303
33582.435354	0.435354	13.954	10-Dec-91	10:26:55	0.0259	0.498
33582.435356	0.435356	14.235	10-Dec-91	10:26:55	0.0288	0.217
33582.43536	0.43536	14.134	10-Dec-91	10:26:55	0.0346	0.318
33582.435365	0.435365	13.976	10-Dec-91	10:26:56	0.0418	0.476
33582.435367	0.435367	13.86	10-Dec-91	10:26:56	0.0446	0.592
33582.435369	0.435369	14.012	10-Dec-91	10:26:56	0.0475	0.440
33582.435373	0.435373	13.824	10-Dec-91	10:26:56	0.0533	0.628
33582.435375	0.435375	13.716	10-Dec-91	10:26:56	0.0562	0.736
33582.435378	0.435378	13.766	10-Dec-91	10:26:57	0.0605	0.686
33582.435381	0.435381	13.708	10-Dec-91	10:26:57	0.0648	0.744
33582.435385	0.435385	13.571	10-Dec-91	10:26:57	0.0706	0.881
33582.435388	0.435388	13.521	10-Dec-91	10:26:58	0.0749	0.931
33582.435391	0.435391	13.535	10-Dec-91	10:26:58	0.0792	0.917
33582.435394	0.435394	13.557	10-Dec-91	10:26:58	0.0835	0.895
33582.435396	0.435396	13.564	10-Dec-91	10:26:58	0.0864	0.888
33582.435399	0.435399	13.578	10-Dec-91	10:26:58	0.0907	0.874
33582.435402	0.435402	13.586	10-Dec-91	10:26:59	0.0950	0.866
33582.435406	0.435406	13.6	10-Dec-91	10:26:59	0.1008	0.852
33582.435409	0.435409	13.615	10-Dec-91	10:26:59	0.1051	0.837
33582.435412	0.435412	13.615	10-Dec-91	10:27:00	0.1094	0.837
33582.435414	0.435414	13.629	10-Dec-91	10:27:00	0.1123	0.823
33582.435417	0.435417	13.636	10-Dec-91	10:27:00	0.1166	0.816
33582.43542	0.43542	13.643	10-Dec-91	10:27:00	0.1210	0.809
33582.435422	0.435422	13.643	10-Dec-91	10:27:00	0.1238	0.809
33582.435427	0.435427	13.672	10-Dec-91	10:27:01	0.1310	0.780
33582.435429	0.435429	13.68	10-Dec-91	10:27:01	0.1339	0.772
33582.435433	0.435433	13.68	10-Dec-91	10:27:01	0.1397	0.772
33582.435435	0.435435	13.694	10-Dec-91	10:27:02	0.1426	0.758
33582.435439	0.435439	13.708	10-Dec-91	10:27:02	0.1483	0.744
33582.435441	0.435441	13.708	10-Dec-91	10:27:02	0.1512	0.744
33582.435443	0.435443	13.716	10-Dec-91	10:27:02	0.1541	0.736
33582.435448	0.435448	13.723	10-Dec-91	10:27:03	0.1613	0.729

33582.435451	0.435451	13.73	10-Dec-91	10:27:03	0.1656	0.722
33582.435454	0.435454	13.737	10-Dec-91	10:27:03	0.1699	0.715
33582.435456	0.435456	13.745	10-Dec-91	10:27:03	0.1728	0.707
33582.435459	0.435459	13.752	10-Dec-91	10:27:04	0.1771	0.700
33582.435462	0.435462	13.766	10-Dec-91	10:27:04	0.1814	0.686
33582.435464	0.435464	13.766	10-Dec-91	10:27:04	0.1843	0.686
33582.435469	0.435469	13.781	10-Dec-91	10:27:05	0.1915	0.671
33582.435472	0.435472	13.788	10-Dec-91	10:27:05	0.1958	0.664
33582.435475	0.435475	13.788	10-Dec-91	10:27:05	0.2002	0.664
33582.435477	0.435477	13.795	10-Dec-91	10:27:05	0.2030	0.657
33582.43548	0.43548	13.802	10-Dec-91	10:27:05	0.2074	0.650
33582.435483	0.435483	13.802	10-Dec-91	10:27:06	0.2117	0.650
33582.435485	0.435485	13.817	10-Dec-91	10:27:06	0.2146	0.635
33582.435491	0.435491	13.824	10-Dec-91	10:27:06	0.2232	0.628
33582.435493	0.435493	13.824	10-Dec-91	10:27:07	0.2261	0.628
33582.435495	0.435495	13.838	10-Dec-91	10:27:07	0.2290	0.614
33582.435499	0.435499	13.838	10-Dec-91	10:27:07	0.2347	0.614
33582.435501	0.435501	13.846	10-Dec-91	10:27:07	0.2376	0.606
33582.435503	0.435503	13.853	10-Dec-91	10:27:07	0.2405	0.599
33582.435507	0.435507	13.86	10-Dec-91	10:27:08	0.2462	0.592
33582.435512	0.435512	13.867	10-Dec-91	10:27:08	0.2534	0.585
33582.435514	0.435514	13.867	10-Dec-91	10:27:08	0.2563	0.585
33582.435516	0.435516	13.874	10-Dec-91	10:27:09	0.2592	0.578
33582.43552	0.43552	13.882	10-Dec-91	10:27:09	0.2650	0.570
33582.435522	0.435522	13.889	10-Dec-91	10:27:09	0.2678	0.563
33582.435524	0.435524	13.889	10-Dec-91	10:27:09	0.2707	0.563
33582.435528	0.435528	13.889	10-Dec-91	10:27:10	0.2765	0.563
33582.435532	0.435532	13.903	10-Dec-91	10:27:10	0.2822	0.549
33582.435535	0.435535	13.911	10-Dec-91	10:27:10	0.2866	0.541
33582.435537	0.435537	13.911	10-Dec-91	10:27:10	0.2894	0.541
33582.435541	0.435541	13.918	10-Dec-91	10:27:11	0.2952	0.534
33582.435543	0.435543	13.925	10-Dec-91	10:27:11	0.2981	0.527
33582.435546	0.435546	13.925	10-Dec-91	10:27:11	0.3024	0.527
33582.435549	0.435549	13.932	10-Dec-91	10:27:11	0.3067	0.520
33582.435553	0.435553	13.939	10-Dec-91	10:27:12	0.3125	0.513
33582.435556	0.435556	13.947	10-Dec-91	10:27:12	0.3168	0.505
33582.435559	0.435559	13.947	10-Dec-91	10:27:12	0.3211	0.505
33582.435561	0.435561	13.947	10-Dec-91	10:27:12	0.3240	0.505
33582.435564	0.435564	13.954	10-Dec-91	10:27:13	0.3283	0.498
33582.435567	0.435567	13.954	10-Dec-91	10:27:13	0.3326	0.498
33582.435569	0.435569	13.961	10-Dec-91	10:27:13	0.3355	0.491
33582.435574	0.435574	13.968	10-Dec-91	10:27:14	0.3427	0.484
33582.435576	0.435576	13.976	10-Dec-91	10:27:14	0.3456	0.476
33582.43558	0.43558	13.983	10-Dec-91	10:27:14	0.3514	0.469
33582.435582	0.435582	13.983	10-Dec-91	10:27:14	0.3542	0.469
33582.435584	0.435584	13.99	10-Dec-91	10:27:14	0.3571	0.462
33582.435588	0.435588	13.99	10-Dec-91	10:27:15	0.3629	0.462

33582.43559	0.43559	13.997	10-Dec-91	10:27:15	0.3658	0.455
33582.435595	0.435595	13.997	10-Dec-91	10:27:15	0.3730	0.455
33582.435597	0.435597	14.004	10-Dec-91	10:27:16	0.3758	0.448
33582.435601	0.435601	14.004	10-Dec-91	10:27:16	0.3816	0.448
33582.435603	0.435603	14.012	10-Dec-91	10:27:16	0.3845	0.440
33582.435606	0.435606	14.019	10-Dec-91	10:27:16	0.3888	0.433
33582.435609	0.435609	14.019	10-Dec-91	10:27:17	0.3931	0.433
33582.435611	0.435611	14.026	10-Dec-91	10:27:17	0.3960	0.426
33582.435616	0.435616	14.026	10-Dec-91	10:27:17	0.4032	0.426
33582.435619	0.435619	14.033	10-Dec-91	10:27:17	0.4075	0.419
33582.435622	0.435622	14.033	10-Dec-91	10:27:18	0.4118	0.419
33582.435624	0.435624	14.04	10-Dec-91	10:27:18	0.4147	0.412
33582.435627	0.435627	14.04	10-Dec-91	10:27:18	0.4190	0.412
33582.43563	0.43563	14.048	10-Dec-91	10:27:18	0.4234	0.404
33582.435632	0.435632	14.048	10-Dec-91	10:27:19	0.4262	0.404
33582.435637	0.435637	14.055	10-Dec-91	10:27:19	0.4334	0.397
33582.43564	0.43564	14.062	10-Dec-91	10:27:19	0.4378	0.390
33582.435642	0.435642	14.062	10-Dec-91	10:27:19	0.4406	0.390
33582.435645	0.435645	14.062	10-Dec-91	10:27:20	0.4450	0.390
33582.435648	0.435648	14.062	10-Dec-91	10:27:20	0.4493	0.390
33582.43565	0.43565	14.069	10-Dec-91	10:27:20	0.4522	0.383
33582.435653	0.435653	14.069	10-Dec-91	10:27:20	0.4565	0.383
33582.435659	0.435659	14.084	10-Dec-91	10:27:21	0.4651	0.368
33582.435661	0.435661	14.084	10-Dec-91	10:27:21	0.4680	0.368
33582.435663	0.435663	14.077	10-Dec-91	10:27:21	0.4709	0.375
33582.435667	0.435667	14.084	10-Dec-91	10:27:22	0.4766	0.368
33582.435669	0.435669	14.084	10-Dec-91	10:27:22	0.4795	0.368
33582.435671	0.435671	14.091	10-Dec-91	10:27:22	0.4824	0.361
33582.435675	0.435675	14.091	10-Dec-91	10:27:22	0.4882	0.361
33582.435679	0.435679	14.098	10-Dec-91	10:27:23	0.4939	0.354
33582.435682	0.435682	14.098	10-Dec-91	10:27:23	0.4982	0.354
33582.435684	0.435684	14.105	10-Dec-91	10:27:23	0.5011	0.347
33582.435687	0.435687	14.105	10-Dec-91	10:27:23	0.5054	0.347
33582.43569	0.43569	14.113	10-Dec-91	10:27:24	0.5098	0.339
33582.435692	0.435692	14.113	10-Dec-91	10:27:24	0.5126	0.339
33582.435696	0.435696	14.113	10-Dec-91	10:27:24	0.5184	0.339
33582.4357	0.4357	14.12	10-Dec-91	10:27:24	0.5242	0.332
33582.435703	0.435703	14.12	10-Dec-91	10:27:25	0.5285	0.332
33582.435705	0.435705	14.12	10-Dec-91	10:27:25	0.5314	0.332
33582.435708	0.435708	14.127	10-Dec-91	10:27:25	0.5357	0.325
33582.435711	0.435711	14.127	10-Dec-91	10:27:25	0.5400	0.325
33582.435714	0.435714	14.134	10-Dec-91	10:27:26	0.5443	0.318
33582.435716	0.435716	14.134	10-Dec-91	10:27:26	0.5472	0.318
33582.435721	0.435721	14.134	10-Dec-91	10:27:26	0.5544	0.318
33582.435723	0.435723	14.134	10-Dec-91	10:27:26	0.5573	0.318
33582.435727	0.435727	14.134	10-Dec-91	10:27:27	0.5630	0.318
33582.435729	0.435729	14.142	10-Dec-91	10:27:27	0.5659	0.310

33582.435731	0.435731	14.149	10-Dec-91	10:27:27	0.5688	0.303
33582.435735	0.435735	14.149	10-Dec-91	10:27:28	0.5746	0.303
33582.435737	0.435737	14.149	10-Dec-91	10:27:28	0.5774	0.303
33582.435742	0.435742	14.149	10-Dec-91	10:27:28	0.5846	0.303
33582.435744	0.435744	14.156	10-Dec-91	10:27:28	0.5875	0.296
33582.435748	0.435748	14.156	10-Dec-91	10:27:29	0.5933	0.296
33582.43575	0.43575	14.163	10-Dec-91	10:27:29	0.5962	0.289
33582.435752	0.435752	14.163	10-Dec-91	10:27:29	0.5990	0.289
33582.435756	0.435756	14.163	10-Dec-91	10:27:29	0.6048	0.289
33582.435758	0.435758	14.17	10-Dec-91	10:27:29	0.6077	0.282
33582.435763	0.435763	14.17	10-Dec-91	10:27:30	0.6149	0.282
33582.435765	0.435765	14.17	10-Dec-91	10:27:30	0.6178	0.282
33582.435769	0.435769	14.17	10-Dec-91	10:27:30	0.6235	0.282
33582.435771	0.435771	14.178	10-Dec-91	10:27:31	0.6264	0.274
33582.435774	0.435774	14.178	10-Dec-91	10:27:31	0.6307	0.274
33582.435777	0.435777	14.178	10-Dec-91	10:27:31	0.6350	0.274
33582.435779	0.435779	14.178	10-Dec-91	10:27:31	0.6379	0.274
33582.435784	0.435784	14.185	10-Dec-91	10:27:32	0.6451	0.267
33582.435787	0.435787	14.185	10-Dec-91	10:27:32	0.6494	0.267
33582.435789	0.435789	14.185	10-Dec-91	10:27:32	0.6523	0.267
33582.435792	0.435792	14.192	10-Dec-91	10:27:32	0.6566	0.260
33582.435795	0.435795	14.185	10-Dec-91	10:27:33	0.6610	0.267
33582.435797	0.435797	14.192	10-Dec-91	10:27:33	0.6638	0.260
33582.4358	0.4358	14.192	10-Dec-91	10:27:33	0.6682	0.260
33582.435804	0.435804	14.192	10-Dec-91	10:27:33	0.6739	0.260
33582.435808	0.435808	14.192	10-Dec-91	10:27:34	0.6797	0.260
33582.43581	0.43581	14.199	10-Dec-91	10:27:34	0.6826	0.253
33582.435812	0.435812	14.207	10-Dec-91	10:27:34	0.6854	0.245
33582.435816	0.435816	14.207	10-Dec-91	10:27:35	0.6912	0.245
33582.435818	0.435818	14.207	10-Dec-91	10:27:35	0.6941	0.245
33582.435821	0.435821	14.207	10-Dec-91	10:27:35	0.6984	0.245
33582.435825	0.435825	14.207	10-Dec-91	10:27:35	0.7042	0.245
33582.435829	0.435829	14.214	10-Dec-91	10:27:36	0.7099	0.238
33582.435831	0.435831	14.214	10-Dec-91	10:27:36	0.7128	0.238
33582.435834	0.435834	14.214	10-Dec-91	10:27:36	0.7171	0.238
33582.435837	0.435837	14.221	10-Dec-91	10:27:36	0.7214	0.231
33582.435839	0.435839	14.221	10-Dec-91	10:27:36	0.7243	0.231
33582.435843	0.435843	14.228	10-Dec-91	10:27:37	0.7301	0.224
33582.435847	0.435847	14.221	10-Dec-91	10:27:37	0.7358	0.231
33582.43585	0.43585	14.228	10-Dec-91	10:27:37	0.7402	0.224
33582.435852	0.435852	14.228	10-Dec-91	10:27:38	0.7430	0.224
33582.435855	0.435855	14.228	10-Dec-91	10:27:38	0.7474	0.224
33582.435858	0.435858	14.228	10-Dec-91	10:27:38	0.7517	0.224
33582.43586	0.43586	14.235	10-Dec-91	10:27:38	0.7546	0.217
33582.435863	0.435863	14.235	10-Dec-91	10:27:39	0.7589	0.217
33582.435868	0.435868	14.235	10-Dec-91	10:27:39	0.7661	0.217
33582.43587	0.43587	14.235	10-Dec-91	10:27:39	0.7690	0.217

33582.435873	0.435873	14.235	10-Dec-91	10:27:39	0.7733	0.217
33582.435876	0.435876	14.235	10-Dec-91	10:27:40	0.7776	0.217
33582.435878	0.435878	14.243	10-Dec-91	10:27:40	0.7805	0.209
33582.435881	0.435881	14.243	10-Dec-91	10:27:40	0.7848	0.209
33582.435884	0.435884	14.243	10-Dec-91	10:27:40	0.7891	0.209
33582.435889	0.435889	14.243	10-Dec-91	10:27:41	0.7963	0.209
33582.435891	0.435891	14.25	10-Dec-91	10:27:41	0.7992	0.202
33582.435895	0.435895	14.25	10-Dec-91	10:27:41	0.8050	0.202
33582.435897	0.435897	14.25	10-Dec-91	10:27:42	0.8078	0.202
33582.435899	0.435899	14.257	10-Dec-91	10:27:42	0.8107	0.195
33582.435903	0.435903	14.25	10-Dec-91	10:27:42	0.8165	0.202
33582.435905	0.435905	14.257	10-Dec-91	10:27:42	0.8194	0.195
33582.43591	0.43591	14.257	10-Dec-91	10:27:43	0.8266	0.195
33582.435912	0.435912	14.257	10-Dec-91	10:27:43	0.8294	0.195
33582.435916	0.435916	14.257	10-Dec-91	10:27:43	0.8352	0.195
33582.435918	0.435918	14.257	10-Dec-91	10:27:43	0.8381	0.195
33582.43592	0.43592	14.257	10-Dec-91	10:27:43	0.8410	0.195
33582.435924	0.435924	14.264	10-Dec-91	10:27:44	0.8467	0.188
33582.435926	0.435926	14.264	10-Dec-91	10:27:44	0.8496	0.188
33582.435931	0.435931	14.264	10-Dec-91	10:27:44	0.8568	0.188
33582.435933	0.435933	14.264	10-Dec-91	10:27:45	0.8597	0.188
33582.435936	0.435936	14.271	10-Dec-91	10:27:45	0.8640	0.181
33582.435939	0.435939	14.271	10-Dec-91	10:27:45	0.8683	0.181
33582.435941	0.435941	14.271	10-Dec-91	10:27:45	0.8712	0.181
33582.435944	0.435944	14.271	10-Dec-91	10:27:46	0.8755	0.181
33582.435947	0.435947	14.271	10-Dec-91	10:27:46	0.8798	0.181
33582.435951	0.435951	14.279	10-Dec-91	10:27:46	0.8856	0.173
33582.435955	0.435955	14.286	10-Dec-91	10:27:47	0.8914	0.166
33582.435957	0.435957	14.286	10-Dec-91	10:27:47	0.8942	0.166
33582.435959	0.435959	14.286	10-Dec-91	10:27:47	0.8971	0.166
33582.435963	0.435963	14.286	10-Dec-91	10:27:47	0.9029	0.166
33582.435965	0.435965	14.293	10-Dec-91	10:27:47	0.9058	0.159
33582.435968	0.435968	14.286	10-Dec-91	10:27:48	0.9101	0.166
33582.435972	0.435972	14.293	10-Dec-91	10:27:48	0.9158	0.159
33582.435976	0.435976	14.293	10-Dec-91	10:27:48	0.9216	0.159
33582.435978	0.435978	14.293	10-Dec-91	10:27:48	0.9245	0.159
33582.43598	0.43598	14.293	10-Dec-91	10:27:49	0.9274	0.159
33582.435984	0.435984	14.286	10-Dec-91	10:27:49	0.9331	0.166
33582.435986	0.435986	14.293	10-Dec-91	10:27:49	0.9360	0.159
33582.435988	0.435988	14.3	10-Dec-91	10:27:49	0.9389	0.152
33582.435993	0.435993	14.3	10-Dec-91	10:27:50	0.9461	0.152
33582.435997	0.435997	14.308	10-Dec-91	10:27:50	0.9518	0.144
33582.435999	0.435999	14.308	10-Dec-91	10:27:50	0.9547	0.144
33582.436002	0.436002	14.308	10-Dec-91	10:27:51	0.9590	0.144
33582.436005	0.436005	14.308	10-Dec-91	10:27:51	0.9634	0.144
33582.436007	0.436007	14.3	10-Dec-91	10:27:51	0.9662	0.152
33582.43601	0.43601	14.308	10-Dec-91	10:27:51	0.9706	0.144

33582.436015	0.436015	14.315	10-Dec-91	10:27:52	0.9778	0.137
33582.436017	0.436017	14.322	10-Dec-91	10:27:52	0.9806	0.130
33582.43602	0.43602	14.315	10-Dec-91	10:27:52	0.9850	0.137
33582.436023	0.436023	14.308	10-Dec-91	10:27:52	0.9893	0.144
33582.436025	0.436025	14.322	10-Dec-91	10:27:53	0.9922	0.130
33582.436028	0.436028	14.322	10-Dec-91	10:27:53	0.9965	0.130
33582.436031	0.436031	14.322	10-Dec-91	10:27:53	1.0008	0.130
33582.436036	0.436036	14.315	10-Dec-91	10:27:54	1.0080	0.137
33582.436038	0.436038	14.315	10-Dec-91	10:27:54	1.0109	0.137
33582.436041	0.436041	14.322	10-Dec-91	10:27:54	1.0152	0.130
33582.436044	0.436044	14.322	10-Dec-91	10:27:54	1.0195	0.130
33582.436046	0.436046	14.322	10-Dec-91	10:27:54	1.0224	0.130
33582.436049	0.436049	14.322	10-Dec-91	10:27:55	1.0267	0.130
33582.436052	0.436052	14.322	10-Dec-91	10:27:55	1.0310	0.130
33582.436057	0.436057	14.315	10-Dec-91	10:27:55	1.0382	0.137
33582.436059	0.436059	14.315	10-Dec-91	10:27:55	1.0411	0.137
33582.436062	0.436062	14.344	10-Dec-91	10:27:56	1.0454	0.108
33582.436065	0.436065	14.308	10-Dec-91	10:27:56	1.0498	0.144
33582.436067	0.436067	14.315	10-Dec-91	10:27:56	1.0526	0.137
33582.436071	0.436071	14.322	10-Dec-91	10:27:57	1.0584	0.130
33582.436073	0.436073	14.336	10-Dec-91	10:27:57	1.0613	0.116
33582.436078	0.436078	14.322	10-Dec-91	10:27:57	1.0685	0.130
33582.43608	0.43608	14.329	10-Dec-91	10:27:57	1.0714	0.123
33582.436083	0.436083	14.336	10-Dec-91	10:27:58	1.0757	0.116
33582.436086	0.436086	14.329	10-Dec-91	10:27:58	1.0800	0.123
33582.436088	0.436088	14.336	10-Dec-91	10:27:58	1.0829	0.116
33582.436091	0.436091	14.344	10-Dec-91	10:27:58	1.0872	0.108
33582.436094	0.436094	14.344	10-Dec-91	10:27:59	1.0915	0.108
33582.436098	0.436098	14.336	10-Dec-91	10:27:59	1.0973	0.116
33582.436101	0.436101	14.322	10-Dec-91	10:27:59	1.1016	0.130
33582.436104	0.436104	14.329	10-Dec-91	10:27:59	1.1059	0.123
33582.436106	0.436106	14.336	10-Dec-91	10:28:00	1.1088	0.116
33582.43611	0.43611	14.329	10-Dec-91	10:28:00	1.1146	0.123
33582.436112	0.436112	14.329	10-Dec-91	10:28:00	1.1174	0.123
33582.436115	0.436115	14.322	10-Dec-91	10:28:00	1.1218	0.130
33582.436119	0.436119	14.329	10-Dec-91	10:28:01	1.1275	0.123
33582.436123	0.436123	14.329	10-Dec-91	10:28:01	1.1333	0.123
33582.436125	0.436125	14.329	10-Dec-91	10:28:01	1.1362	0.123
33582.436127	0.436127	14.329	10-Dec-91	10:28:01	1.1390	0.123
33582.436131	0.436131	14.329	10-Dec-91	10:28:02	1.1448	0.123
33582.436133	0.436133	14.336	10-Dec-91	10:28:02	1.1477	0.116
33582.436135	0.436135	14.329	10-Dec-91	10:28:02	1.1506	0.123
33582.43614	0.43614	14.329	10-Dec-91	10:28:02	1.1578	0.123
33582.436144	0.436144	14.329	10-Dec-91	10:28:03	1.1635	0.123
33582.436146	0.436146	14.329	10-Dec-91	10:28:03	1.1664	0.123
33582.436148	0.436148	14.329	10-Dec-91	10:28:03	1.1693	0.123
33582.436152	0.436152	14.322	10-Dec-91	10:28:04	1.1750	0.130

33582.436154	0.436154	14.329	10-Dec-91	10:28:04	1.1779	0.123
33582.436156	0.436156	14.329	10-Dec-91	10:28:04	1.1808	0.123
33582.436161	0.436161	14.329	10-Dec-91	10:28:04	1.1880	0.123
33582.436164	0.436164	14.329	10-Dec-91	10:28:05	1.1923	0.123
33582.436167	0.436167	14.329	10-Dec-91	10:28:05	1.1966	0.123
33582.43617	0.43617	14.336	10-Dec-91	10:28:05	1.2010	0.116
33582.436172	0.436172	14.336	10-Dec-91	10:28:05	1.2038	0.116
33582.436175	0.436175	14.336	10-Dec-91	10:28:06	1.2082	0.116
33582.436178	0.436178	14.336	10-Dec-91	10:28:06	1.2125	0.116
33582.436183	0.436183	14.336	10-Dec-91	10:28:06	1.2197	0.116
33582.436185	0.436185	14.336	10-Dec-91	10:28:06	1.2226	0.116
33582.436187	0.436187	14.336	10-Dec-91	10:28:07	1.2254	0.116
33582.436191	0.436191	14.336	10-Dec-91	10:28:07	1.2312	0.116
33582.436193	0.436193	14.344	10-Dec-91	10:28:07	1.2341	0.108
33582.436196	0.436196	14.344	10-Dec-91	10:28:07	1.2384	0.108
33582.436199	0.436199	14.344	10-Dec-91	10:28:08	1.2427	0.108
33582.436204	0.436204	14.344	10-Dec-91	10:28:08	1.2499	0.108
33582.436206	0.436206	14.344	10-Dec-91	10:28:08	1.2528	0.108
33582.436208	0.436208	14.344	10-Dec-91	10:28:08	1.2557	0.108
33582.436212	0.436212	14.344	10-Dec-91	10:28:09	1.2614	0.108
33582.436214	0.436214	14.344	10-Dec-91	10:28:09	1.2643	0.108
33582.436216	0.436216	14.344	10-Dec-91	10:28:09	1.2672	0.108
33582.43622	0.43622	14.344	10-Dec-91	10:28:09	1.2730	0.108
33582.436225	0.436225	14.344	10-Dec-91	10:28:10	1.2802	0.108
33582.436227	0.436227	14.344	10-Dec-91	10:28:10	1.2830	0.108
33582.43623	0.43623	14.344	10-Dec-91	10:28:10	1.2874	0.108
33582.436233	0.436233	14.351	10-Dec-91	10:28:11	1.2917	0.101
33582.436235	0.436235	14.351	10-Dec-91	10:28:11	1.2946	0.101
33582.436238	0.436238	14.329	10-Dec-91	10:28:11	1.2989	0.123
33582.436241	0.436241	14.336	10-Dec-91	10:28:11	1.3032	0.116
33582.436245	0.436245	14.344	10-Dec-91	10:28:12	1.3090	0.108
33582.436248	0.436248	14.344	10-Dec-91	10:28:12	1.3133	0.108
33582.436251	0.436251	14.351	10-Dec-91	10:28:12	1.3176	0.101
33582.436253	0.436253	14.351	10-Dec-91	10:28:12	1.3205	0.101
33582.436256	0.436256	14.344	10-Dec-91	10:28:13	1.3248	0.108
33582.436259	0.436259	14.351	10-Dec-91	10:28:13	1.3291	0.101
33582.436262	0.436262	14.351	10-Dec-91	10:28:13	1.3334	0.101
33582.436266	0.436266	14.351	10-Dec-91	10:28:13	1.3392	0.101
33582.436269	0.436269	14.351	10-Dec-91	10:28:14	1.3435	0.101
33582.436272	0.436272	14.351	10-Dec-91	10:28:14	1.3478	0.101
33582.436274	0.436274	14.344	10-Dec-91	10:28:14	1.3507	0.108
33582.436277	0.436277	14.351	10-Dec-91	10:28:14	1.3550	0.101
33582.43628	0.43628	14.351	10-Dec-91	10:28:15	1.3594	0.101
33582.436282	0.436282	14.351	10-Dec-91	10:28:15	1.3622	0.101
33582.436287	0.436287	14.358	10-Dec-91	10:28:15	1.3694	0.094
33582.436291	0.436291	14.351	10-Dec-91	10:28:16	1.3752	0.101
33582.436293	0.436293	14.351	10-Dec-91	10:28:16	1.3781	0.101

33582.436295	0.436295	14.351	10-Dec-91	10:28:16	1.3810	0.101
33582.436299	0.436299	14.358	10-Dec-91	10:28:16	1.3867	0.094
33582.436301	0.436301	14.351	10-Dec-91	10:28:16	1.3896	0.101
33582.436303	0.436303	14.358	10-Dec-91	10:28:17	1.3925	0.094
33582.436308	0.436308	14.358	10-Dec-91	10:28:17	1.3997	0.094
33582.436311	0.436311	14.358	10-Dec-91	10:28:17	1.4040	0.094
33582.436314	0.436314	14.358	10-Dec-91	10:28:18	1.4083	0.094
33582.436316	0.436316	14.358	10-Dec-91	10:28:18	1.4112	0.094
33582.436319	0.436319	14.358	10-Dec-91	10:28:18	1.4155	0.094
33582.436322	0.436322	14.358	10-Dec-91	10:28:18	1.4198	0.094
33582.436324	0.436324	14.358	10-Dec-91	10:28:18	1.4227	0.094
33582.436329	0.436329	14.358	10-Dec-91	10:28:19	1.4299	0.094
33582.436332	0.436332	14.365	10-Dec-91	10:28:19	1.4342	0.087
33582.436334	0.436334	14.358	10-Dec-91	10:28:19	1.4371	0.094
33582.436338	0.436338	14.365	10-Dec-91	10:28:20	1.4429	0.087
33582.43634	0.43634	14.358	10-Dec-91	10:28:20	1.4458	0.094
33582.436343	0.436343	14.358	10-Dec-91	10:28:20	1.4501	0.094
33582.436346	0.436346	14.358	10-Dec-91	10:28:20	1.4544	0.094
33582.436351	0.436351	14.365	10-Dec-91	10:28:21	1.4616	0.087
33582.436353	0.436353	14.365	10-Dec-91	10:28:21	1.4645	0.087
33582.436355	0.436355	14.365	10-Dec-91	10:28:21	1.4674	0.087
33582.436359	0.436359	14.365	10-Dec-91	10:28:21	1.4731	0.087
33582.436361	0.436361	14.365	10-Dec-91	10:28:22	1.4760	0.087
33582.436363	0.436363	14.365	10-Dec-91	10:28:22	1.4789	0.087
33582.436367	0.436367	14.358	10-Dec-91	10:28:22	1.4846	0.094
33582.436372	0.436372	14.365	10-Dec-91	10:28:23	1.4918	0.087
33582.436374	0.436374	14.365	10-Dec-91	10:28:23	1.4947	0.087
33582.436376	0.436376	14.373	10-Dec-91	10:28:23	1.4976	0.079
33582.43638	0.43638	14.365	10-Dec-91	10:28:23	1.5034	0.087
33582.436382	0.436382	14.365	10-Dec-91	10:28:23	1.5062	0.087
33582.436384	0.436384	14.373	10-Dec-91	10:28:24	1.5091	0.079
33582.436388	0.436388	14.365	10-Dec-91	10:28:24	1.5149	0.087
33582.436392	0.436392	14.373	10-Dec-91	10:28:24	1.5206	0.079
33582.436395	0.436395	14.365	10-Dec-91	10:28:25	1.5250	0.087
33582.436398	0.436398	14.365	10-Dec-91	10:28:25	1.5293	0.087
33582.4364	0.4364	14.365	10-Dec-91	10:28:25	1.5322	0.087
33582.436403	0.436403	14.373	10-Dec-91	10:28:25	1.5365	0.079
33582.436406	0.436406	14.373	10-Dec-91	10:28:25	1.5408	0.079
33582.436409	0.436409	14.373	10-Dec-91	10:28:26	1.5451	0.079
33582.436413	0.436413	14.365	10-Dec-91	10:28:26	1.5509	0.087
33582.436416	0.436416	14.373	10-Dec-91	10:28:26	1.5552	0.079
33582.436419	0.436419	14.373	10-Dec-91	10:28:27	1.5595	0.079
33582.436421	0.436421	14.38	10-Dec-91	10:28:27	1.5624	0.072
33582.436424	0.436424	14.373	10-Dec-91	10:28:27	1.5667	0.079
33582.436427	0.436427	14.373	10-Dec-91	10:28:27	1.5710	0.079
33582.436429	0.436429	14.373	10-Dec-91	10:28:27	1.5739	0.079
33582.436434	0.436434	14.373	10-Dec-91	10:28:28	1.5811	0.079

33582.436436	0.436436	14.38	10-Dec-91	10:28:28	1.5840	0.072
33582.43644	0.43644	14.373	10-Dec-91	10:28:28	1.5898	0.079
33582.436442	0.436442	14.38	10-Dec-91	10:28:29	1.5926	0.072
33582.436444	0.436444	14.38	10-Dec-91	10:28:29	1.5955	0.072
33582.436448	0.436448	14.373	10-Dec-91	10:28:29	1.6013	0.079
33582.43645	0.43645	14.38	10-Dec-91	10:28:29	1.6042	0.072
33582.436455	0.436455	14.38	10-Dec-91	10:28:30	1.6114	0.072
33582.436458	0.436458	14.38	10-Dec-91	10:28:30	1.6157	0.072
33582.436461	0.436461	14.373	10-Dec-91	10:28:30	1.6200	0.079
33582.436463	0.436463	14.38	10-Dec-91	10:28:30	1.6229	0.072
33582.436466	0.436466	14.38	10-Dec-91	10:28:31	1.6272	0.072
33582.436469	0.436469	14.38	10-Dec-91	10:28:31	1.6315	0.072
33582.436471	0.436471	14.38	10-Dec-91	10:28:31	1.6344	0.072
33582.436476	0.436476	14.38	10-Dec-91	10:28:32	1.6416	0.072
33582.436479	0.436479	14.38	10-Dec-91	10:28:32	1.6459	0.072
33582.436481	0.436481	14.38	10-Dec-91	10:28:32	1.6488	0.072
33582.436484	0.436484	14.38	10-Dec-91	10:28:32	1.6531	0.072
33582.436487	0.436487	14.38	10-Dec-91	10:28:32	1.6574	0.072
33582.43649	0.43649	14.373	10-Dec-91	10:28:33	1.6618	0.079
33582.436492	0.436492	14.38	10-Dec-91	10:28:33	1.6646	0.072
33582.436497	0.436497	14.38	10-Dec-91	10:28:33	1.6718	0.072
33582.4365	0.4365	14.38	10-Dec-91	10:28:34	1.6762	0.072
33582.436502	0.436502	14.38	10-Dec-91	10:28:34	1.6790	0.072
33582.436506	0.436506	14.38	10-Dec-91	10:28:34	1.6848	0.072
33582.436508	0.436508	14.38	10-Dec-91	10:28:34	1.6877	0.072
33582.43651	0.43651	14.38	10-Dec-91	10:28:34	1.6906	0.072
33582.436514	0.436514	14.387	10-Dec-91	10:28:35	1.6963	0.065
33582.436519	0.436519	14.387	10-Dec-91	10:28:35	1.7035	0.065
33582.436521	0.436521	14.38	10-Dec-91	10:28:35	1.7064	0.072
33582.436523	0.436523	14.387	10-Dec-91	10:28:36	1.7093	0.065
33582.436527	0.436527	14.387	10-Dec-91	10:28:36	1.7150	0.065
33582.436529	0.436529	14.387	10-Dec-91	10:28:36	1.7179	0.065
33582.436531	0.436531	14.387	10-Dec-91	10:28:36	1.7208	0.065
33582.436535	0.436535	14.38	10-Dec-91	10:28:37	1.7266	0.072
33582.436539	0.436539	14.387	10-Dec-91	10:28:37	1.7323	0.065
33582.436542	0.436542	14.387	10-Dec-91	10:28:37	1.7366	0.065
33582.436544	0.436544	14.38	10-Dec-91	10:28:37	1.7395	0.072
33582.436547	0.436547	14.38	10-Dec-91	10:28:38	1.7438	0.072
33582.43655	0.43655	14.387	10-Dec-91	10:28:38	1.7482	0.065
33582.436552	0.436552	14.387	10-Dec-91	10:28:38	1.7510	0.065
33582.436556	0.436556	14.387	10-Dec-91	10:28:38	1.7568	0.065
33582.43656	0.43656	14.387	10-Dec-91	10:28:39	1.7626	0.065
33582.436563	0.436563	14.387	10-Dec-91	10:28:39	1.7669	0.065
33582.436566	0.436566	14.387	10-Dec-91	10:28:39	1.7712	0.065
33582.436568	0.436568	14.387	10-Dec-91	10:28:39	1.7741	0.065
33582.436571	0.436571	14.387	10-Dec-91	10:28:40	1.7784	0.065
33582.436574	0.436574	14.387	10-Dec-91	10:28:40	1.7827	0.065

33582.436576	0.436576	14.387	10-Dec-91	10:28:40	1.7856	0.065
33582.436581	0.436581	14.387	10-Dec-91	10:28:41	1.7928	0.065
33582.436583	0.436583	14.387	10-Dec-91	10:28:41	1.7957	0.065
33582.436587	0.436587	14.387	10-Dec-91	10:28:41	1.8014	0.065
33582.436589	0.436589	14.394	10-Dec-91	10:28:41	1.8043	0.058
33582.436591	0.436591	14.387	10-Dec-91	10:28:41	1.8072	0.065
33582.436595	0.436595	14.394	10-Dec-91	10:28:42	1.8130	0.058
33582.436597	0.436597	14.387	10-Dec-91	10:28:42	1.8158	0.065
33582.436602	0.436602	14.394	10-Dec-91	10:28:42	1.8230	0.058
33582.436604	0.436604	14.394	10-Dec-91	10:28:43	1.8259	0.058
33582.436608	0.436608	14.394	10-Dec-91	10:28:43	1.8317	0.058
33582.43661	0.43661	14.394	10-Dec-91	10:28:43	1.8346	0.058
33582.436612	0.436612	14.394	10-Dec-91	10:28:43	1.8374	0.058
33582.436616	0.436616	14.387	10-Dec-91	10:28:44	1.8432	0.065
33582.436618	0.436618	14.394	10-Dec-91	10:28:44	1.8461	0.058
33582.436623	0.436623	14.394	10-Dec-91	10:28:44	1.8533	0.058
33582.436626	0.436626	14.394	10-Dec-91	10:28:44	1.8576	0.058
33582.436628	0.436628	14.394	10-Dec-91	10:28:45	1.8605	0.058
33582.436631	0.436631	14.394	10-Dec-91	10:28:45	1.8648	0.058
33582.436634	0.436634	14.394	10-Dec-91	10:28:45	1.8691	0.058
33582.436637	0.436637	14.394	10-Dec-91	10:28:45	1.8734	0.058
33582.436639	0.436639	14.394	10-Dec-91	10:28:46	1.8763	0.058
33582.436644	0.436644	14.394	10-Dec-91	10:28:46	1.8835	0.058
33582.436647	0.436647	14.394	10-Dec-91	10:28:46	1.8878	0.058
33582.436649	0.436649	14.394	10-Dec-91	10:28:46	1.8907	0.058
33582.436652	0.436652	14.394	10-Dec-91	10:28:47	1.8950	0.058
33582.436655	0.436655	14.394	10-Dec-91	10:28:47	1.8994	0.058
33582.436657	0.436657	14.394	10-Dec-91	10:28:47	1.9022	0.058
33582.43666	0.43666	14.394	10-Dec-91	10:28:47	1.9066	0.058
33582.436664	0.436664	14.401	10-Dec-91	10:28:48	1.9123	0.051
33582.436668	0.436668	14.401	10-Dec-91	10:28:48	1.9181	0.051
33582.43667	0.43667	14.401	10-Dec-91	10:28:48	1.9210	0.051
33582.436674	0.436674	14.401	10-Dec-91	10:28:49	1.9267	0.051
33582.436676	0.436676	14.401	10-Dec-91	10:28:49	1.9296	0.051
33582.436678	0.436678	14.394	10-Dec-91	10:28:49	1.9325	0.058
33582.436682	0.436682	14.394	10-Dec-91	10:28:49	1.9382	0.058
33582.436686	0.436686	14.401	10-Dec-91	10:28:50	1.9440	0.051
33582.436689	0.436689	14.401	10-Dec-91	10:28:50	1.9483	0.051
33582.436691	0.436691	14.401	10-Dec-91	10:28:50	1.9512	0.051
33582.436694	0.436694	14.401	10-Dec-91	10:28:50	1.9555	0.051
33582.436697	0.436697	14.394	10-Dec-91	10:28:51	1.9598	0.058
33582.436699	0.436699	14.394	10-Dec-91	10:28:51	1.9627	0.058
33582.436703	0.436703	14.401	10-Dec-91	10:28:51	1.9685	0.051
33582.436707	0.436707	14.401	10-Dec-91	10:28:51	1.9742	0.051
33582.436709	0.436709	14.401	10-Dec-91	10:28:52	1.9771	0.051
33582.436712	0.436712	14.401	10-Dec-91	10:28:52	1.9814	0.051
33582.436715	0.436715	14.401	10-Dec-91	10:28:52	1.9858	0.051

33582.436718	0.436718	14.401	10-Dec-91	10:28:52	1.9901	0.051
33582.43672	0.43672	14.394	10-Dec-91	10:28:53	1.9930	0.058
33582.436723	0.436723	14.401	10-Dec-91	10:28:53	1.9973	0.051
33582.436728	0.436728	14.401	10-Dec-91	10:28:53	2.0045	0.051
33582.43673	0.43673	14.401	10-Dec-91	10:28:53	2.0074	0.051
33582.436734	0.436734	14.394	10-Dec-91	10:28:54	2.0131	0.058
33582.436736	0.436736	14.401	10-Dec-91	10:28:54	2.0160	0.051
33582.436738	0.436738	14.394	10-Dec-91	10:28:54	2.0189	0.058
33582.436742	0.436742	14.401	10-Dec-91	10:28:55	2.0246	0.051
33582.436744	0.436744	14.401	10-Dec-91	10:28:55	2.0275	0.051
33582.436749	0.436749	14.401	10-Dec-91	10:28:55	2.0347	0.051
33582.436751	0.436751	14.394	10-Dec-91	10:28:55	2.0376	0.058
33582.436755	0.436755	14.401	10-Dec-91	10:28:56	2.0434	0.051
33582.436757	0.436757	14.401	10-Dec-91	10:28:56	2.0462	0.051
33582.436759	0.436759	14.401	10-Dec-91	10:28:56	2.0491	0.051
33582.436763	0.436763	14.401	10-Dec-91	10:28:56	2.0549	0.051
33582.436765	0.436765	14.401	10-Dec-91	10:28:56	2.0578	0.051
33582.43677	0.43677	14.401	10-Dec-91	10:28:57	2.0650	0.051
33582.436772	0.436772	14.401	10-Dec-91	10:28:57	2.0678	0.051
33582.436775	0.436775	14.401	10-Dec-91	10:28:57	2.0722	0.051
33582.436778	0.436778	14.401	10-Dec-91	10:28:58	2.0765	0.051
33582.43678	0.43678	14.401	10-Dec-91	10:28:58	2.0794	0.051
33582.436784	0.436784	14.401	10-Dec-91	10:28:58	2.0851	0.051
33582.436786	0.436786	14.401	10-Dec-91	10:28:58	2.0880	0.051
33582.436791	0.436791	14.401	10-Dec-91	10:28:59	2.0952	0.051
33582.436794	0.436794	14.401	10-Dec-91	10:28:59	2.0995	0.051
33582.436796	0.436796	14.401	10-Dec-91	10:28:59	2.1024	0.051
33582.436799	0.436799	14.401	10-Dec-91	10:28:59	2.1067	0.051
33582.436802	0.436802	14.401	10-Dec-91	10:29:00	2.1110	0.051
33582.436804	0.436804	14.401	10-Dec-91	10:29:00	2.1139	0.051
33582.436807	0.436807	14.401	10-Dec-91	10:29:00	2.1182	0.051
33582.436811	0.436811	14.401	10-Dec-91	10:29:00	2.1240	0.051
33582.436815	0.436815	14.401	10-Dec-91	10:29:01	2.1298	0.051
33582.436817	0.436817	14.401	10-Dec-91	10:29:01	2.1326	0.051
33582.436819	0.436819	14.401	10-Dec-91	10:29:01	2.1355	0.051
33582.436823	0.436823	14.401	10-Dec-91	10:29:02	2.1413	0.051
33582.436825	0.436825	14.401	10-Dec-91	10:29:02	2.1442	0.051
33582.436828	0.436828	14.401	10-Dec-91	10:29:02	2.1485	0.051
33582.436832	0.436832	14.401	10-Dec-91	10:29:02	2.1542	0.051
33582.436836	0.436836	14.401	10-Dec-91	10:29:03	2.1600	0.051
33582.436838	0.436838	14.401	10-Dec-91	10:29:03	2.1629	0.051
33582.43684	0.43684	14.401	10-Dec-91	10:29:03	2.1658	0.051
33582.436844	0.436844	14.401	10-Dec-91	10:29:03	2.1715	0.051
33582.436846	0.436846	14.401	10-Dec-91	10:29:03	2.1744	0.051
33582.43685	0.43685	14.401	10-Dec-91	10:29:04	2.1802	0.051
33582.436854	0.436854	14.409	10-Dec-91	10:29:04	2.1859	0.043
33582.436856	0.436856	14.401	10-Dec-91	10:29:04	2.1888	0.051

33582.436859	0.436859	14.409	10-Dec-91	10:29:05	2.1931	0.043
33582.436862	0.436862	14.409	10-Dec-91	10:29:05	2.1974	0.043
33582.436865	0.436865	14.409	10-Dec-91	10:29:05	2.2018	0.043
33582.436867	0.436867	14.401	10-Dec-91	10:29:05	2.2046	0.051
33582.43687	0.43687	14.409	10-Dec-91	10:29:06	2.2090	0.043
33582.436875	0.436875	14.409	10-Dec-91	10:29:06	2.2162	0.043
33582.436877	0.436877	14.409	10-Dec-91	10:29:06	2.2190	0.043
33582.43688	0.43688	14.401	10-Dec-91	10:29:06	2.2234	0.051
33582.436883	0.436883	14.401	10-Dec-91	10:29:07	2.2277	0.051
33582.436885	0.436885	14.409	10-Dec-91	10:29:07	2.2306	0.043
33582.436888	0.436888	14.401	10-Dec-91	10:29:07	2.2349	0.051
33582.436891	0.436891	14.401	10-Dec-91	10:29:07	2.2392	0.051
33582.436896	0.436896	14.409	10-Dec-91	10:29:08	2.2464	0.043
33582.436898	0.436898	14.401	10-Dec-91	10:29:08	2.2493	0.051
33582.4369	0.4369	14.409	10-Dec-91	10:29:08	2.2522	0.043
33582.436904	0.436904	14.409	10-Dec-91	10:29:09	2.2579	0.043
33582.436906	0.436906	14.409	10-Dec-91	10:29:09	2.2608	0.043
33582.43691	0.43691	14.409	10-Dec-91	10:29:09	2.2666	0.043
33582.436912	0.436912	14.409	10-Dec-91	10:29:09	2.2694	0.043
33582.436917	0.436917	14.409	10-Dec-91	10:29:10	2.2766	0.043
33582.436919	0.436919	14.409	10-Dec-91	10:29:10	2.2795	0.043
33582.436922	0.436922	14.401	10-Dec-91	10:29:10	2.2838	0.051
33582.436925	0.436925	14.409	10-Dec-91	10:29:10	2.2882	0.043
33582.436927	0.436927	14.409	10-Dec-91	10:29:10	2.2910	0.043
33582.436931	0.436931	14.409	10-Dec-91	10:29:11	2.2968	0.043
33582.436933	0.436933	14.409	10-Dec-91	10:29:11	2.2997	0.043
33582.436938	0.436938	14.409	10-Dec-91	10:29:11	2.3069	0.043
33582.43694	0.43694	14.409	10-Dec-91	10:29:12	2.3098	0.043
33582.436943	0.436943	14.409	10-Dec-91	10:29:12	2.3141	0.043
33582.436946	0.436946	14.409	10-Dec-91	10:29:12	2.3184	0.043
33582.436948	0.436948	14.409	10-Dec-91	10:29:12	2.3213	0.043
33582.436951	0.436951	14.409	10-Dec-91	10:29:13	2.3256	0.043
33582.436954	0.436954	14.409	10-Dec-91	10:29:13	2.3299	0.043
33582.436958	0.436958	14.401	10-Dec-91	10:29:13	2.3357	0.051
33582.436961	0.436961	14.409	10-Dec-91	10:29:13	2.3400	0.043
33582.436964	0.436964	14.401	10-Dec-91	10:29:14	2.3443	0.051
33582.436966	0.436966	14.409	10-Dec-91	10:29:14	2.3472	0.043
33582.43697	0.43697	14.409	10-Dec-91	10:29:14	2.3530	0.043
33582.436972	0.436972	14.409	10-Dec-91	10:29:14	2.3558	0.043
33582.436975	0.436975	14.401	10-Dec-91	10:29:15	2.3602	0.051
33582.436979	0.436979	14.409	10-Dec-91	10:29:15	2.3659	0.043
33582.436983	0.436983	14.409	10-Dec-91	10:29:15	2.3717	0.043
33582.436985	0.436985	14.409	10-Dec-91	10:29:16	2.3746	0.043
33582.436987	0.436987	14.409	10-Dec-91	10:29:16	2.3774	0.043
33582.436991	0.436991	14.409	10-Dec-91	10:29:16	2.3832	0.043
33582.436993	0.436993	14.409	10-Dec-91	10:29:16	2.3861	0.043
33582.436995	0.436995	14.409	10-Dec-91	10:29:16	2.3890	0.043

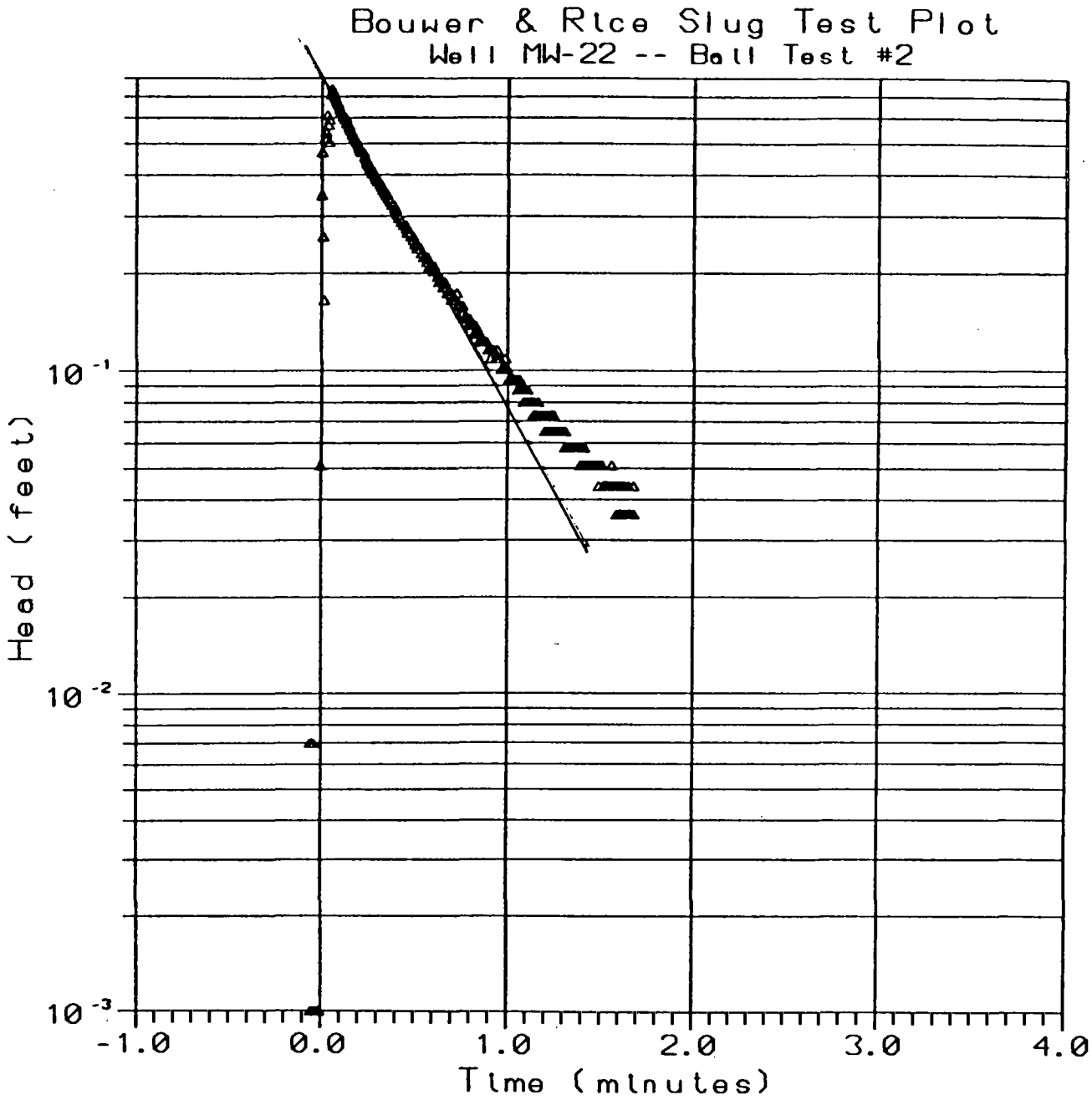
33582.437	0.437	14.409	10-Dec-91	10:29:17	2.3962	0.043
33582.437003	0.437003	14.409	10-Dec-91	10:29:17	2.4005	0.043
33582.437006	0.437006	14.409	10-Dec-91	10:29:17	2.4048	0.043
33582.437008	0.437008	14.401	10-Dec-91	10:29:17	2.4077	0.051
33582.437012	0.437012	14.409	10-Dec-91	10:29:18	2.4134	0.043
33582.437014	0.437014	14.409	10-Dec-91	10:29:18	2.4163	0.043
33582.437016	0.437016	14.409	10-Dec-91	10:29:18	2.4192	0.043
33582.437021	0.437021	14.409	10-Dec-91	10:29:19	2.4264	0.043
33582.437024	0.437024	14.409	10-Dec-91	10:29:19	2.4307	0.043
33582.437027	0.437027	14.409	10-Dec-91	10:29:19	2.4350	0.043
33582.43703	0.43703	14.409	10-Dec-91	10:29:19	2.4394	0.043
33582.437032	0.437032	14.409	10-Dec-91	10:29:20	2.4422	0.043
33582.437035	0.437035	14.409	10-Dec-91	10:29:20	2.4466	0.043
33582.437038	0.437038	14.409	10-Dec-91	10:29:20	2.4509	0.043
33582.437043	0.437043	14.409	10-Dec-91	10:29:21	2.4581	0.043
33582.437045	0.437045	14.409	10-Dec-91	10:29:21	2.4610	0.043
33582.437047	0.437047	14.409	10-Dec-91	10:29:21	2.4638	0.043
33582.437051	0.437051	14.409	10-Dec-91	10:29:21	2.4696	0.043
33582.437053	0.437053	14.409	10-Dec-91	10:29:21	2.4725	0.043
33582.437056	0.437056	14.409	10-Dec-91	10:29:22	2.4768	0.043
33582.437059	0.437059	14.409	10-Dec-91	10:29:22	2.4811	0.043
33582.437064	0.437064	14.409	10-Dec-91	10:29:22	2.4883	0.043
33582.437066	0.437066	14.409	10-Dec-91	10:29:23	2.4912	0.043
33582.437068	0.437068	14.409	10-Dec-91	10:29:23	2.4941	0.043
33582.437072	0.437072	14.401	10-Dec-91	10:29:23	2.4998	0.051
33582.437074	0.437074	14.401	10-Dec-91	10:29:23	2.5027	0.051
33582.437076	0.437076	14.409	10-Dec-91	10:29:23	2.5056	0.043
33582.43708	0.43708	14.409	10-Dec-91	10:29:24	2.5114	0.043
33582.437084	0.437084	14.409	10-Dec-91	10:29:24	2.5171	0.043
33582.437087	0.437087	14.409	10-Dec-91	10:29:24	2.5214	0.043
33582.43709	0.43709	14.409	10-Dec-91	10:29:25	2.5258	0.043
33582.437093	0.437093	14.409	10-Dec-91	10:29:25	2.5301	0.043
33582.437095	0.437095	14.409	10-Dec-91	10:29:25	2.5330	0.043
33582.437098	0.437098	14.409	10-Dec-91	10:29:25	2.5373	0.043
33582.437101	0.437101	14.409	10-Dec-91	10:29:26	2.5416	0.043
33582.437105	0.437105	14.401	10-Dec-91	10:29:26	2.5474	0.051
33582.437108	0.437108	14.409	10-Dec-91	10:29:26	2.5517	0.043
33582.437111	0.437111	14.409	10-Dec-91	10:29:26	2.5560	0.043
33582.437113	0.437113	14.416	10-Dec-91	10:29:27	2.5589	0.036
33582.437116	0.437116	14.401	10-Dec-91	10:29:27	2.5632	0.051
33582.437119	0.437119	14.409	10-Dec-91	10:29:27	2.5675	0.043
33582.437122	0.437122	14.409	10-Dec-91	10:29:27	2.5718	0.043
33582.437126	0.437126	14.401	10-Dec-91	10:29:28	2.5776	0.051
33582.437128	0.437128	14.409	10-Dec-91	10:29:28	2.5805	0.043
33582.437132	0.437132	14.409	10-Dec-91	10:29:28	2.5862	0.043
33582.437134	0.437134	14.409	10-Dec-91	10:29:28	2.5891	0.043
33582.437137	0.437137	14.409	10-Dec-91	10:29:29	2.5934	0.043

33582.43714	0.43714	14.409	10-Dec-91	10:29:29	2.5978	0.043
33582.437142	0.437142	14.409	10-Dec-91	10:29:29	2.6006	0.043
33582.437147	0.437147	14.409	10-Dec-91	10:29:30	2.6078	0.043
33582.43715	0.43715	14.409	10-Dec-91	10:29:30	2.6122	0.043
33582.437153	0.437153	14.409	10-Dec-91	10:29:30	2.6165	0.043
33582.437155	0.437155	14.409	10-Dec-91	10:29:30	2.6194	0.043
33582.437159	0.437159	14.409	10-Dec-91	10:29:31	2.6251	0.043
33582.437161	0.437161	14.409	10-Dec-91	10:29:31	2.6280	0.043
33582.437163	0.437163	14.409	10-Dec-91	10:29:31	2.6309	0.043
33582.437168	0.437168	14.409	10-Dec-91	10:29:31	2.6381	0.043
33582.437171	0.437171	14.409	10-Dec-91	10:29:32	2.6424	0.043
33582.437174	0.437174	14.409	10-Dec-91	10:29:32	2.6467	0.043
33582.437176	0.437176	14.409	10-Dec-91	10:29:32	2.6496	0.043
33582.437179	0.437179	14.409	10-Dec-91	10:29:32	2.6539	0.043
33582.437182	0.437182	14.409	10-Dec-91	10:29:33	2.6582	0.043
33582.437184	0.437184	14.416	10-Dec-91	10:29:33	2.6611	0.036
33582.437189	0.437189	14.409	10-Dec-91	10:29:33	2.6683	0.043
33582.437192	0.437192	14.416	10-Dec-91	10:29:33	2.6726	0.036
33582.437194	0.437194	14.409	10-Dec-91	10:29:34	2.6755	0.043
33582.437198	0.437198	14.409	10-Dec-91	10:29:34	2.6813	0.043
33582.4372	0.4372	14.416	10-Dec-91	10:29:34	2.6842	0.036
33582.437203	0.437203	14.409	10-Dec-91	10:29:34	2.6885	0.043
33582.437206	0.437206	14.409	10-Dec-91	10:29:35	2.6928	0.043
33582.437211	0.437211	14.409	10-Dec-91	10:29:35	2.7000	0.043
33582.437213	0.437213	14.409	10-Dec-91	10:29:35	2.7029	0.043
33582.437215	0.437215	14.416	10-Dec-91	10:29:35	2.7058	0.036
33582.437219	0.437219	14.409	10-Dec-91	10:29:36	2.7115	0.043
33582.437221	0.437221	14.416	10-Dec-91	10:29:36	2.7144	0.036
33582.437223	0.437223	14.416	10-Dec-91	10:29:36	2.7173	0.036
33582.437227	0.437227	14.416	10-Dec-91	10:29:36	2.7230	0.036
33582.437231	0.437231	14.416	10-Dec-91	10:29:37	2.7288	0.036
33582.437234	0.437234	14.416	10-Dec-91	10:29:37	2.7331	0.036
33582.437236	0.437236	14.416	10-Dec-91	10:29:37	2.7360	0.036
33582.43724	0.43724	14.409	10-Dec-91	10:29:38	2.7418	0.043
33582.437242	0.437242	14.416	10-Dec-91	10:29:38	2.7446	0.036
33582.437244	0.437244	14.409	10-Dec-91	10:29:38	2.7475	0.043
33582.437248	0.437248	14.416	10-Dec-91	10:29:38	2.7533	0.036
33582.437252	0.437252	14.409	10-Dec-91	10:29:39	2.7590	0.043
33582.437255	0.437255	14.416	10-Dec-91	10:29:39	2.7634	0.036
33582.437258	0.437258	14.416	10-Dec-91	10:29:39	2.7677	0.036
33582.43726	0.43726	14.416	10-Dec-91	10:29:39	2.7706	0.036
33582.437263	0.437263	14.416	10-Dec-91	10:29:40	2.7749	0.036
33582.437266	0.437266	14.409	10-Dec-91	10:29:40	2.7792	0.043
33582.437269	0.437269	14.416	10-Dec-91	10:29:40	2.7835	0.036
33582.437273	0.437273	14.416	10-Dec-91	10:29:40	2.7893	0.036
33582.437275	0.437275	14.416	10-Dec-91	10:29:41	2.7922	0.036
33582.437279	0.437279	14.416	10-Dec-91	10:29:41	2.7979	0.036

33582.437281	0.437281	14.416	10-Dec-91	10:29:41	2.8008	0.036
33582.437284	0.437284	14.416	10-Dec-91	10:29:41	2.8051	0.036
33582.437287	0.437287	14.416	10-Dec-91	10:29:42	2.8094	0.036
33582.437289	0.437289	14.416	10-Dec-91	10:29:42	2.8123	0.036
33582.437294	0.437294	14.416	10-Dec-91	10:29:42	2.8195	0.036
33582.437296	0.437296	14.416	10-Dec-91	10:29:42	2.8224	0.036
33582.4373	0.4373	14.416	10-Dec-91	10:29:43	2.8282	0.036
33582.437302	0.437302	14.416	10-Dec-91	10:29:43	2.8310	0.036
33582.437304	0.437304	14.416	10-Dec-91	10:29:43	2.8339	0.036
33582.437308	0.437308	14.416	10-Dec-91	10:29:43	2.8397	0.036
33582.43731	0.43731	14.416	10-Dec-91	10:29:44	2.8426	0.036
33582.437315	0.437315	14.416	10-Dec-91	10:29:44	2.8498	0.036
33582.437318	0.437318	14.416	10-Dec-91	10:29:44	2.8541	0.036
33582.437321	0.437321	14.409	10-Dec-91	10:29:45	2.8584	0.043
33582.437323	0.437323	14.416	10-Dec-91	10:29:45	2.8613	0.036
33582.437326	0.437326	14.416	10-Dec-91	10:29:45	2.8656	0.036
33582.437329	0.437329	14.416	10-Dec-91	10:29:45	2.8699	0.036
33582.437331	0.437331	14.416	10-Dec-91	10:29:45	2.8728	0.036
33582.437336	0.437336	14.416	10-Dec-91	10:29:46	2.8800	0.036
33582.437339	0.437339	14.416	10-Dec-91	10:29:46	2.8843	0.036
33582.437341	0.437341	14.416	10-Dec-91	10:29:46	2.8872	0.036
33582.437344	0.437344	14.416	10-Dec-91	10:29:47	2.8915	0.036
33582.437347	0.437347	14.416	10-Dec-91	10:29:47	2.8958	0.036
33582.43735	0.43735	14.416	10-Dec-91	10:29:47	2.9002	0.036
33582.437352	0.437352	14.416	10-Dec-91	10:29:47	2.9030	0.036
33582.437356	0.437356	14.416	10-Dec-91	10:29:48	2.9088	0.036
33582.43736	0.43736	14.416	10-Dec-91	10:29:48	2.9146	0.036
33582.437362	0.437362	14.416	10-Dec-91	10:29:48	2.9174	0.036
33582.437365	0.437365	14.416	10-Dec-91	10:29:48	2.9218	0.036
33582.437368	0.437368	14.416	10-Dec-91	10:29:49	2.9261	0.036
33582.43737	0.43737	14.416	10-Dec-91	10:29:49	2.9290	0.036
33582.437374	0.437374	14.416	10-Dec-91	10:29:49	2.9347	0.036
33582.437378	0.437378	14.416	10-Dec-91	10:29:49	2.9405	0.036
33582.437381	0.437381	14.416	10-Dec-91	10:29:50	2.9448	0.036
33582.437383	0.437383	14.416	10-Dec-91	10:29:50	2.9477	0.036
33582.437387	0.437387	14.416	10-Dec-91	10:29:50	2.9534	0.036
33582.437389	0.437389	14.416	10-Dec-91	10:29:50	2.9563	0.036
33582.437391	0.437391	14.416	10-Dec-91	10:29:51	2.9592	0.036
33582.437395	0.437395	14.416	10-Dec-91	10:29:51	2.9650	0.036
33582.437399	0.437399	14.416	10-Dec-91	10:29:51	2.9707	0.036
33582.437402	0.437402	14.416	10-Dec-91	10:29:52	2.9750	0.036
33582.437404	0.437404	14.416	10-Dec-91	10:29:52	2.9779	0.036
33582.437407	0.437407	14.416	10-Dec-91	10:29:52	2.9822	0.036
33582.43741	0.43741	14.416	10-Dec-91	10:29:52	2.9866	0.036
33582.437412	0.437412	14.416	10-Dec-91	10:29:52	2.9894	0.036
33582.437416	0.437416	14.416	10-Dec-91	10:29:53	2.9952	0.036
33582.43742	0.43742	14.416	10-Dec-91	10:29:53	3.0010	0.036

33582.437422	0.437422	14.416	10-Dec-91	10:29:53	3.0038	0.036
33582.437425	0.437425	14.416	10-Dec-91	10:29:54	3.0082	0.036
33582.437428	0.437428	14.416	10-Dec-91	10:29:54	3.0125	0.036
33582.437431	0.437431	14.416	10-Dec-91	10:29:54	3.0168	0.036
33582.437434	0.437434	14.416	10-Dec-91	10:29:54	3.0211	0.036
33582.437436	0.437436	14.416	10-Dec-91	10:29:54	3.0240	0.036
33582.437441	0.437441	14.416	10-Dec-91	10:29:55	3.0312	0.036
33582.437443	0.437443	14.416	10-Dec-91	10:29:55	3.0341	0.036
33582.437447	0.437447	14.416	10-Dec-91	10:29:55	3.0398	0.036
33582.437449	0.437449	14.416	10-Dec-91	10:29:56	3.0427	0.036
33582.437451	0.437451	14.416	10-Dec-91	10:29:56	3.0456	0.036
33582.437455	0.437455	14.416	10-Dec-91	10:29:56	3.0514	0.036
33582.437457	0.437457	14.416	10-Dec-91	10:29:56	3.0542	0.036
33582.437462	0.437462	14.416	10-Dec-91	10:29:57	3.0614	0.036
33582.437464	0.437464	14.416	10-Dec-91	10:29:57	3.0643	0.036
33582.437468	0.437468	14.416	10-Dec-91	10:29:57	3.0701	0.036
33582.43747	0.43747	14.416	10-Dec-91	10:29:57	3.0730	0.036
33582.437472	0.437472	14.416	10-Dec-91	10:29:58	3.0758	0.036
33582.437476	0.437476	14.416	10-Dec-91	10:29:58	3.0816	0.036
33582.437478	0.437478	14.416	10-Dec-91	10:29:58	3.0845	0.036
33582.437483	0.437483	14.416	10-Dec-91	10:29:59	3.0917	0.036
33582.437486	0.437486	14.416	10-Dec-91	10:29:59	3.0960	0.036
33582.437488	0.437488	14.416	10-Dec-91	10:29:59	3.0989	0.036
33582.437491	0.437491	14.416	10-Dec-91	10:29:59	3.1032	0.036
33582.437494	0.437494	14.416	10-Dec-91	10:29:59	3.1075	0.036
33582.437497	0.437497	14.416	10-Dec-91	10:30:00	3.1118	0.036
33582.437499	0.437499	14.416	10-Dec-91	10:30:00	3.1147	0.036
33582.437503	0.437503	14.416	10-Dec-91	10:30:00	3.1205	0.036
33582.437507	0.437507	14.416	10-Dec-91	10:30:01	3.1262	0.036
33582.437509	0.437509	14.416	10-Dec-91	10:30:01	3.1291	0.036
33582.437512	0.437512	14.416	10-Dec-91	10:30:01	3.1334	0.036
33582.437515	0.437515	14.416	10-Dec-91	10:30:01	3.1378	0.036
33582.437517	0.437517	14.416	10-Dec-91	10:30:01	3.1406	0.036
33582.43752	0.43752	14.416	10-Dec-91	10:30:02	3.1450	0.036
33582.437524	0.437524	14.416	10-Dec-91	10:30:02	3.1507	0.036
33582.437528	0.437528	14.416	10-Dec-91	10:30:02	3.1565	0.036
33582.43753	0.43753	14.416	10-Dec-91	10:30:03	3.1594	0.036
33582.437532	0.437532	14.416	10-Dec-91	10:30:03	3.1622	0.036
33582.437536	0.437536	14.416	10-Dec-91	10:30:03	3.1680	0.036
33582.437538	0.437538	14.416	10-Dec-91	10:30:03	3.1709	0.036
33582.437542	0.437542	14.416	10-Dec-91	10:30:04	3.1766	0.036
33582.437546	0.437546	14.416	10-Dec-91	10:30:04	3.1824	0.036
33582.437549	0.437549	14.416	10-Dec-91	10:30:04	3.1867	0.036
33582.437551	0.437551	14.416	10-Dec-91	10:30:04	3.1896	0.036
33582.437554	0.437554	14.416	10-Dec-91	10:30:05	3.1939	0.036
33582.437557	0.437557	14.416	10-Dec-91	10:30:05	3.1982	0.036
33582.437559	0.437559	14.416	10-Dec-91	10:30:05	3.2011	0.036

33582.437562	0.437562	14.416	10-Dec-91	10:30:05	3.2054	0.036
33582.437567	0.437567	14.416	10-Dec-91	10:30:06	3.2126	0.036
33582.437569	0.437569	14.416	10-Dec-91	10:30:06	3.2155	0.036
33582.437572	0.437572	14.416	10-Dec-91	10:30:06	3.2198	0.036
33582.437575	0.437575	14.416	10-Dec-91	10:30:06	3.2242	0.036
33582.437578	0.437578	14.416	10-Dec-91	10:30:07	3.2285	0.036
33582.43758	0.43758	14.416	10-Dec-91	10:30:07	3.2314	0.036
33582.437583	0.437583	14.416	10-Dec-91	10:30:07	3.2357	0.036
33582.437588	0.437588	14.416	10-Dec-91	10:30:08	3.2429	0.036
33582.43759	0.43759	14.416	10-Dec-91	10:30:08	3.2458	0.036
33582.437593	0.437593	14.416	10-Dec-91	10:30:08	3.2501	0.036
33582.437596	0.437596	14.423	10-Dec-91	10:30:08	3.2544	0.029
33582.437598	0.437598	14.416	10-Dec-91	10:30:08	3.2573	0.036
33582.437602	0.437602	14.416	10-Dec-91	10:30:09	3.2630	0.036
33582.437604	0.437604	14.416	10-Dec-91	10:30:09	3.2659	0.036
33582.437609	0.437609	14.423	10-Dec-91	10:30:09	3.2731	0.029
33582.437611	0.437611	14.416	10-Dec-91	10:30:10	3.2760	0.036
33582.437615	0.437615	14.416	10-Dec-91	10:30:10	3.2818	0.036
33582.437617	0.437617	14.416	10-Dec-91	10:30:10	3.2846	0.036
33582.437619	0.437619	14.416	10-Dec-91	10:30:10	3.2875	0.036
33582.437623	0.437623	14.416	10-Dec-91	10:30:11	3.2933	0.036
33582.437625	0.437625	14.416	10-Dec-91	10:30:11	3.2962	0.036
33582.43763	0.43763	14.416	10-Dec-91	10:30:11	3.3034	0.036
33582.437632	0.437632	14.416	10-Dec-91	10:30:11	3.3062	0.036
33582.437635	0.437635	14.416	10-Dec-91	10:30:12	3.3106	0.036
33582.437638	0.437638	14.416	10-Dec-91	10:30:12	3.3149	0.036
33582.43764	0.43764	14.416	10-Dec-91	10:30:12	3.3178	0.036
33582.437644	0.437644	14.416	10-Dec-91	10:30:12	3.3235	0.036
33582.437646	0.437646	14.416	10-Dec-91	10:30:13	3.3264	0.036
33582.43765	0.43765	14.423	10-Dec-91	10:30:13	3.3322	0.029
33582.437653	0.437653	14.416	10-Dec-91	10:30:13	3.3365	0.036
33582.437656	0.437656	14.416	10-Dec-91	10:30:13	3.3408	0.036
33582.437659	0.437659	14.416	10-Dec-91	10:30:14	3.3451	0.036
33582.437662	0.437662	14.423	10-Dec-91	10:30:14	3.3494	0.029
33582.437664	0.437664	14.416	10-Dec-91	10:30:14	3.3523	0.036
33582.437667	0.437667	14.416	10-Dec-91	10:30:14	3.3566	0.036
33582.437671	0.437671	14.416	10-Dec-91	10:30:15	3.3624	0.036
33582.437675	0.437675	14.416	10-Dec-91	10:30:15	3.3682	0.036
33582.437677	0.437677	14.416	10-Dec-91	10:30:15	3.3710	0.036
33582.437679	0.437679	14.416	10-Dec-91	10:30:15	3.3739	0.036
33582.437683	0.437683	14.416	10-Dec-91	10:30:16	3.3797	0.036
33582.437685	0.437685	14.416	10-Dec-91	10:30:16	3.3826	0.036
33582.437687	0.437687	14.416	10-Dec-91	10:30:16	3.3854	0.036


Bouwer & Rice Slug Test Plot
Well MW-22 -- Bail Test #2
Head (feet)
10 -1
10 -2
10 -3
-1.0
0.0
1.0
2.0
3.0
4.0
Time (minutes)

--- AQUIFER TEST DATA ---

for Unconfined or Confined Aquifers at Steady State
Full or Partial Penetration

Project: McCormick & Baxter RI/FS
Well No.: MW-22i

Initial DTW (bgs) @ time < 0:	23.6	(feet)
Depth to top of sandpack:	41.1	(feet)
Depth to top of screen:	42.0	(feet)
H = Initial head @ time < 0:	14.47	(feet)
H(0)= Maximum head (@ t ~ 0):	0.74	(feet)
D = Length of well screen:	10.0	(feet)
L = Length of saturated sandpack:	11.9	(feet)
rc = Radius of well casing:	1.0	(inches)
re = Radius of borehole:	4.0	(inches)
d = Length watertable to bottom of well:	29.4	(feet)
Length watertable to bottom of sandpack:	29.4	(feet)
b = Aquifer saturated thickness:	12.0	(feet)
Partial Penetration (Y/N):	N	

Slug Length	10.625	(feet)
Slug Diameter	1.375	(inches)
Slug Volume	0.820	(gallons)
Slug Height in Well	5.022	(feet)

Test Start Date >>>>>>	10-Dec-91
Test Start Time >>>>>>	10:47:04
Test Type >>>>>>>>>>>>	Bail #2
Initial head at T<0 >>>>>>>	14.474

DATE (day value)	TIME (day)	Transducer Reading (ft)	Reading Date	Reading Time (hh:mm:ss)	Elapsed Time (min)	Head T > 0 (ft)	COMMENTS
33582.449315	0.449315	14.481	10-Dec-91	10:47:01	-0.0590	0.007	
33582.449317	0.449317	14.474	10-Dec-91	10:47:01	-0.0562	0.000	
33582.449321	0.449321	14.474	10-Dec-91	10:47:01	-0.0504	0.000	
33582.449323	0.449323	14.481	10-Dec-91	10:47:02	-0.0475	0.007	
33582.449328	0.449328	14.474	10-Dec-91	10:47:02	-0.0403	0.000	
33582.44933	0.44933	14.481	10-Dec-91	10:47:02	-0.0374	0.007	
33582.449333	0.449333	14.474	10-Dec-91	10:47:02	-0.0331	0.000	
33582.449336	0.449336	14.474	10-Dec-91	10:47:03	-0.0288	0.000	
33582.449338	0.449338	14.474	10-Dec-91	10:47:03	-0.0259	0.000	
33582.449341	0.449341	14.474	10-Dec-91	10:47:03	-0.0216	0.000	
33582.449344	0.449344	14.474	10-Dec-91	10:47:03	-0.0173	0.000	
33582.449348	0.449348	14.474	10-Dec-91	10:47:04	-0.0115	0.000	
33582.449351	0.449351	14.474	10-Dec-91	10:47:04	-0.0072	0.000	
33582.449354	0.449354	14.423	10-Dec-91	10:47:04	-0.0029	0.051	
33582.449356	0.449356	14.127	10-Dec-91	10:47:04	0.0000	0.347	Start bail test
33582.449359	0.449359	14.004	10-Dec-91	10:47:05	0.0043	0.470	
33582.449362	0.449362	14.214	10-Dec-91	10:47:05	0.0086	0.260	
33582.449365	0.449365	14.308	10-Dec-91	10:47:05	0.0130	0.166	
33582.449369	0.449369	13.954	10-Dec-91	10:47:05	0.0187	0.520	

33582.449373	0.449373	13.932	10-Dec-91	10:47:06	0.0245	0.542
33582.449375	0.449375	13.954	10-Dec-91	10:47:06	0.0274	0.520
33582.449377	0.449377	13.86	10-Dec-91	10:47:06	0.0302	0.614
33582.449381	0.449381	13.903	10-Dec-91	10:47:07	0.0360	0.571
33582.449383	0.449383	13.968	10-Dec-91	10:47:07	0.0389	0.506
33582.449385	0.449385	13.882	10-Dec-91	10:47:07	0.0418	0.592
33582.44939	0.44939	13.766	10-Dec-91	10:47:07	0.0490	0.708
33582.449394	0.449394	13.745	10-Dec-91	10:47:08	0.0547	0.729
33582.449396	0.449396	13.737	10-Dec-91	10:47:08	0.0576	0.737
33582.449398	0.449398	13.752	10-Dec-91	10:47:08	0.0605	0.722
33582.449402	0.449402	13.766	10-Dec-91	10:47:08	0.0662	0.708
33582.449404	0.449404	13.773	10-Dec-91	10:47:09	0.0691	0.701
33582.449406	0.449406	13.781	10-Dec-91	10:47:09	0.0720	0.693
33582.449411	0.449411	13.795	10-Dec-91	10:47:09	0.0792	0.679
33582.449414	0.449414	13.802	10-Dec-91	10:47:09	0.0835	0.672
33582.449417	0.449417	13.809	10-Dec-91	10:47:10	0.0878	0.665
33582.449419	0.449419	13.817	10-Dec-91	10:47:10	0.0907	0.657
33582.449422	0.449422	13.831	10-Dec-91	10:47:10	0.0950	0.643
33582.449425	0.449425	13.838	10-Dec-91	10:47:10	0.0994	0.636
33582.449428	0.449428	13.846	10-Dec-91	10:47:11	0.1037	0.628
33582.449433	0.449433	13.853	10-Dec-91	10:47:11	0.1109	0.621
33582.449435	0.449435	13.867	10-Dec-91	10:47:11	0.1138	0.607
33582.449437	0.449437	13.867	10-Dec-91	10:47:11	0.1166	0.607
33582.449441	0.449441	13.874	10-Dec-91	10:47:12	0.1224	0.600
33582.449443	0.449443	13.882	10-Dec-91	10:47:12	0.1253	0.592
33582.449446	0.449446	13.874	10-Dec-91	10:47:12	0.1296	0.600
33582.449449	0.449449	13.896	10-Dec-91	10:47:12	0.1339	0.578
33582.449454	0.449454	13.896	10-Dec-91	10:47:13	0.1411	0.578
33582.449456	0.449456	13.903	10-Dec-91	10:47:13	0.1440	0.571
33582.449458	0.449458	13.911	10-Dec-91	10:47:13	0.1469	0.563
33582.449462	0.449462	13.918	10-Dec-91	10:47:14	0.1526	0.556
33582.449464	0.449464	13.925	10-Dec-91	10:47:14	0.1555	0.549
33582.449466	0.449466	13.925	10-Dec-91	10:47:14	0.1584	0.549
33582.44947	0.44947	13.939	10-Dec-91	10:47:14	0.1642	0.535
33582.449475	0.449475	13.947	10-Dec-91	10:47:15	0.1714	0.527
33582.449477	0.449477	13.947	10-Dec-91	10:47:15	0.1742	0.527
33582.449479	0.449479	13.954	10-Dec-91	10:47:15	0.1771	0.520
33582.449483	0.449483	13.961	10-Dec-91	10:47:15	0.1829	0.513
33582.449485	0.449485	13.961	10-Dec-91	10:47:16	0.1858	0.513
33582.449488	0.449488	13.968	10-Dec-91	10:47:16	0.1901	0.506
33582.449491	0.449491	13.976	10-Dec-91	10:47:16	0.1944	0.498
33582.449495	0.449495	13.983	10-Dec-91	10:47:16	0.2002	0.491
33582.449498	0.449498	13.99	10-Dec-91	10:47:17	0.2045	0.484
33582.449501	0.449501	13.997	10-Dec-91	10:47:17	0.2088	0.477
33582.449503	0.449503	13.997	10-Dec-91	10:47:17	0.2117	0.477
33582.449506	0.449506	14.004	10-Dec-91	10:47:17	0.2160	0.470
33582.449509	0.449509	14.004	10-Dec-91	10:47:18	0.2203	0.470

33582.449512	0.449512	14.004	10-Dec-91	10:47:18	0.2246	0.470
33582.449516	0.449516	14.019	10-Dec-91	10:47:18	0.2304	0.455
33582.449519	0.449519	14.019	10-Dec-91	10:47:18	0.2347	0.455
33582.449522	0.449522	14.026	10-Dec-91	10:47:19	0.2390	0.448
33582.449524	0.449524	14.033	10-Dec-91	10:47:19	0.2419	0.441
33582.449527	0.449527	14.04	10-Dec-91	10:47:19	0.2462	0.434
33582.44953	0.44953	14.04	10-Dec-91	10:47:19	0.2506	0.434
33582.449532	0.449532	14.048	10-Dec-91	10:47:20	0.2534	0.426
33582.449537	0.449537	14.055	10-Dec-91	10:47:20	0.2606	0.419
33582.449541	0.449541	14.055	10-Dec-91	10:47:20	0.2664	0.419
33582.449543	0.449543	14.062	10-Dec-91	10:47:21	0.2693	0.412
33582.449545	0.449545	14.069	10-Dec-91	10:47:21	0.2722	0.405
33582.449549	0.449549	14.062	10-Dec-91	10:47:21	0.2779	0.412
33582.449551	0.449551	14.069	10-Dec-91	10:47:21	0.2808	0.405
33582.449553	0.449553	14.077	10-Dec-91	10:47:21	0.2837	0.397
33582.449558	0.449558	14.084	10-Dec-91	10:47:22	0.2909	0.390
33582.449561	0.449561	14.084	10-Dec-91	10:47:22	0.2952	0.390
33582.449564	0.449564	14.091	10-Dec-91	10:47:22	0.2995	0.383
33582.449566	0.449566	14.091	10-Dec-91	10:47:23	0.3024	0.383
33582.449569	0.449569	14.091	10-Dec-91	10:47:23	0.3067	0.383
33582.449572	0.449572	14.098	10-Dec-91	10:47:23	0.3110	0.376
33582.449574	0.449574	14.098	10-Dec-91	10:47:23	0.3139	0.376
33582.449579	0.449579	14.105	10-Dec-91	10:47:24	0.3211	0.369
33582.449582	0.449582	14.105	10-Dec-91	10:47:24	0.3254	0.369
33582.449584	0.449584	14.113	10-Dec-91	10:47:24	0.3283	0.361
33582.449587	0.449587	14.113	10-Dec-91	10:47:24	0.3326	0.361
33582.44959	0.44959	14.12	10-Dec-91	10:47:25	0.3370	0.354
33582.449593	0.449593	14.12	10-Dec-91	10:47:25	0.3413	0.354
33582.449596	0.449596	14.127	10-Dec-91	10:47:25	0.3456	0.347
33582.449601	0.449601	14.127	10-Dec-91	10:47:26	0.3528	0.347
33582.449603	0.449603	14.134	10-Dec-91	10:47:26	0.3557	0.340
33582.449605	0.449605	14.134	10-Dec-91	10:47:26	0.3586	0.340
33582.449609	0.449609	14.134	10-Dec-91	10:47:26	0.3643	0.340
33582.449611	0.449611	14.142	10-Dec-91	10:47:26	0.3672	0.332
33582.449613	0.449613	14.142	10-Dec-91	10:47:27	0.3701	0.332
33582.449617	0.449617	14.149	10-Dec-91	10:47:27	0.3758	0.325
33582.449622	0.449622	14.149	10-Dec-91	10:47:27	0.3830	0.325
33582.449624	0.449624	14.149	10-Dec-91	10:47:28	0.3859	0.325
33582.449626	0.449626	14.156	10-Dec-91	10:47:28	0.3888	0.318
33582.44963	0.44963	14.156	10-Dec-91	10:47:28	0.3946	0.318
33582.449632	0.449632	14.163	10-Dec-91	10:47:28	0.3974	0.311
33582.449634	0.449634	14.163	10-Dec-91	10:47:28	0.4003	0.311
33582.449638	0.449638	14.17	10-Dec-91	10:47:29	0.4061	0.304
33582.449642	0.449642	14.17	10-Dec-91	10:47:29	0.4118	0.304
33582.449645	0.449645	14.178	10-Dec-91	10:47:29	0.4162	0.296
33582.449647	0.449647	14.178	10-Dec-91	10:47:30	0.4190	0.296
33582.44965	0.44965	14.178	10-Dec-91	10:47:30	0.4234	0.296

33582.449653	0.449653	14.185	10-Dec-91	10:47:30	0.4277	0.289
33582.449656	0.449656	14.185	10-Dec-91	10:47:30	0.4320	0.289
33582.449659	0.449659	14.185	10-Dec-91	10:47:31	0.4363	0.289
33582.449663	0.449663	14.192	10-Dec-91	10:47:31	0.4421	0.282
33582.449666	0.449666	14.192	10-Dec-91	10:47:31	0.4464	0.282
33582.449669	0.449669	14.192	10-Dec-91	10:47:31	0.4507	0.282
33582.449671	0.449671	14.192	10-Dec-91	10:47:32	0.4536	0.282
33582.449674	0.449674	14.199	10-Dec-91	10:47:32	0.4579	0.275
33582.449677	0.449677	14.207	10-Dec-91	10:47:32	0.4622	0.267
33582.449679	0.449679	14.199	10-Dec-91	10:47:32	0.4651	0.275
33582.449684	0.449684	14.207	10-Dec-91	10:47:33	0.4723	0.267
33582.449686	0.449686	14.207	10-Dec-91	10:47:33	0.4752	0.267
33582.44969	0.44969	14.214	10-Dec-91	10:47:33	0.4810	0.260
33582.449692	0.449692	14.214	10-Dec-91	10:47:33	0.4838	0.260
33582.449694	0.449694	14.214	10-Dec-91	10:47:34	0.4867	0.260
33582.449698	0.449698	14.214	10-Dec-91	10:47:34	0.4925	0.260
33582.4497	0.4497	14.221	10-Dec-91	10:47:34	0.4954	0.253
33582.449705	0.449705	14.228	10-Dec-91	10:47:35	0.5026	0.246
33582.449708	0.449708	14.228	10-Dec-91	10:47:35	0.5069	0.246
33582.449711	0.449711	14.228	10-Dec-91	10:47:35	0.5112	0.246
33582.449713	0.449713	14.235	10-Dec-91	10:47:35	0.5141	0.239
33582.449716	0.449716	14.235	10-Dec-91	10:47:35	0.5184	0.239
33582.449719	0.449719	14.235	10-Dec-91	10:47:36	0.5227	0.239
33582.449721	0.449721	14.235	10-Dec-91	10:47:36	0.5256	0.239
33582.449726	0.449726	14.235	10-Dec-91	10:47:36	0.5328	0.239
33582.449729	0.449729	14.243	10-Dec-91	10:47:37	0.5371	0.231
33582.449731	0.449731	14.243	10-Dec-91	10:47:37	0.5400	0.231
33582.449734	0.449734	14.243	10-Dec-91	10:47:37	0.5443	0.231
33582.449737	0.449737	14.25	10-Dec-91	10:47:37	0.5486	0.224
33582.44974	0.44974	14.25	10-Dec-91	10:47:38	0.5530	0.224
33582.449742	0.449742	14.25	10-Dec-91	10:47:38	0.5558	0.224
33582.449747	0.449747	14.257	10-Dec-91	10:47:38	0.5630	0.217
33582.44975	0.44975	14.257	10-Dec-91	10:47:38	0.5674	0.217
33582.449752	0.449752	14.25	10-Dec-91	10:47:39	0.5702	0.224
33582.449755	0.449755	14.257	10-Dec-91	10:47:39	0.5746	0.217
33582.449758	0.449758	14.264	10-Dec-91	10:47:39	0.5789	0.210
33582.44976	0.44976	14.264	10-Dec-91	10:47:39	0.5818	0.210
33582.449764	0.449764	14.264	10-Dec-91	10:47:40	0.5875	0.210
33582.449769	0.449769	14.264	10-Dec-91	10:47:40	0.5947	0.210
33582.449771	0.449771	14.264	10-Dec-91	10:47:40	0.5976	0.210
33582.449773	0.449773	14.271	10-Dec-91	10:47:40	0.6005	0.203
33582.449777	0.449777	14.264	10-Dec-91	10:47:41	0.6062	0.210
33582.449779	0.449779	14.271	10-Dec-91	10:47:41	0.6091	0.203
33582.449781	0.449781	14.271	10-Dec-91	10:47:41	0.6120	0.203
33582.449785	0.449785	14.271	10-Dec-91	10:47:41	0.6178	0.203
33582.449789	0.449789	14.279	10-Dec-91	10:47:42	0.6235	0.195
33582.449792	0.449792	14.279	10-Dec-91	10:47:42	0.6278	0.195

33582.449794	0.449794	14.286	10-Dec-91	10:47:42	0.6307	0.188
33582.449797	0.449797	14.279	10-Dec-91	10:47:42	0.6350	0.195
33582.4498	0.4498	14.286	10-Dec-91	10:47:43	0.6394	0.188
33582.449802	0.449802	14.286	10-Dec-91	10:47:43	0.6422	0.188
33582.449806	0.449806	14.286	10-Dec-91	10:47:43	0.6480	0.188
33582.44981	0.44981	14.293	10-Dec-91	10:47:44	0.6538	0.181
33582.449813	0.449813	14.286	10-Dec-91	10:47:44	0.6581	0.188
33582.449815	0.449815	14.286	10-Dec-91	10:47:44	0.6610	0.188
33582.449818	0.449818	14.286	10-Dec-91	10:47:44	0.6653	0.188
33582.449821	0.449821	14.293	10-Dec-91	10:47:45	0.6696	0.181
33582.449824	0.449824	14.293	10-Dec-91	10:47:45	0.6739	0.181
33582.449826	0.449826	14.3	10-Dec-91	10:47:45	0.6768	0.174
33582.449831	0.449831	14.3	10-Dec-91	10:47:45	0.6840	0.174
33582.449833	0.449833	14.3	10-Dec-91	10:47:46	0.6869	0.174
33582.449837	0.449837	14.3	10-Dec-91	10:47:46	0.6926	0.174
33582.449839	0.449839	14.3	10-Dec-91	10:47:46	0.6955	0.174
33582.449841	0.449841	14.308	10-Dec-91	10:47:46	0.6984	0.166
33582.449845	0.449845	14.3	10-Dec-91	10:47:47	0.7042	0.174
33582.449847	0.449847	14.308	10-Dec-91	10:47:47	0.7070	0.166
33582.449852	0.449852	14.308	10-Dec-91	10:47:47	0.7142	0.166
33582.449854	0.449854	14.308	10-Dec-91	10:47:47	0.7171	0.166
33582.449858	0.449858	14.308	10-Dec-91	10:47:48	0.7229	0.166
33582.44986	0.44986	14.308	10-Dec-91	10:47:48	0.7258	0.166
33582.449862	0.449862	14.3	10-Dec-91	10:47:48	0.7286	0.174
33582.449866	0.449866	14.315	10-Dec-91	10:47:48	0.7344	0.159
33582.449868	0.449868	14.315	10-Dec-91	10:47:49	0.7373	0.159
33582.449873	0.449873	14.315	10-Dec-91	10:47:49	0.7445	0.159
33582.449875	0.449875	14.322	10-Dec-91	10:47:49	0.7474	0.152
33582.449878	0.449878	14.322	10-Dec-91	10:47:49	0.7517	0.152
33582.449881	0.449881	14.322	10-Dec-91	10:47:50	0.7560	0.152
33582.449884	0.449884	14.315	10-Dec-91	10:47:50	0.7603	0.159
33582.449887	0.449887	14.322	10-Dec-91	10:47:50	0.7646	0.152
33582.449889	0.449889	14.329	10-Dec-91	10:47:50	0.7675	0.145
33582.449894	0.449894	14.329	10-Dec-91	10:47:51	0.7747	0.145
33582.449897	0.449897	14.329	10-Dec-91	10:47:51	0.7790	0.145
33582.449899	0.449899	14.329	10-Dec-91	10:47:51	0.7819	0.145
33582.449902	0.449902	14.329	10-Dec-91	10:47:52	0.7862	0.145
33582.449905	0.449905	14.336	10-Dec-91	10:47:52	0.7906	0.138
33582.449907	0.449907	14.336	10-Dec-91	10:47:52	0.7934	0.138
33582.44991	0.44991	14.329	10-Dec-91	10:47:52	0.7978	0.145
33582.449914	0.449914	14.336	10-Dec-91	10:47:53	0.8035	0.138
33582.449918	0.449918	14.336	10-Dec-91	10:47:53	0.8093	0.138
33582.44992	0.44992	14.336	10-Dec-91	10:47:53	0.8122	0.138
33582.449922	0.449922	14.336	10-Dec-91	10:47:53	0.8150	0.138
33582.449926	0.449926	14.344	10-Dec-91	10:47:54	0.8208	0.130
33582.449928	0.449928	14.336	10-Dec-91	10:47:54	0.8237	0.138
33582.449931	0.449931	14.336	10-Dec-91	10:47:54	0.8280	0.138

33582.449936	0.449936	14.344	10-Dec-91	10:47:54	0.8352	0.130
33582.449939	0.449939	14.344	10-Dec-91	10:47:55	0.8395	0.130
33582.449941	0.449941	14.344	10-Dec-91	10:47:55	0.8424	0.130
33582.449944	0.449944	14.351	10-Dec-91	10:47:55	0.8467	0.123
33582.449947	0.449947	14.344	10-Dec-91	10:47:55	0.8510	0.130
33582.449949	0.449949	14.344	10-Dec-91	10:47:56	0.8539	0.130
33582.449953	0.449953	14.351	10-Dec-91	10:47:56	0.8597	0.123
33582.449957	0.449957	14.351	10-Dec-91	10:47:56	0.8654	0.123
33582.449959	0.449959	14.351	10-Dec-91	10:47:56	0.8683	0.123
33582.449962	0.449962	14.351	10-Dec-91	10:47:57	0.8726	0.123
33582.449965	0.449965	14.351	10-Dec-91	10:47:57	0.8770	0.123
33582.449968	0.449968	14.351	10-Dec-91	10:47:57	0.8813	0.123
33582.44997	0.44997	14.351	10-Dec-91	10:47:57	0.8842	0.123
33582.449973	0.449973	14.351	10-Dec-91	10:47:58	0.8885	0.123
33582.449978	0.449978	14.358	10-Dec-91	10:47:58	0.8957	0.116
33582.44998	0.44998	14.358	10-Dec-91	10:47:58	0.8986	0.116
33582.449983	0.449983	14.358	10-Dec-91	10:47:59	0.9029	0.116
33582.449986	0.449986	14.358	10-Dec-91	10:47:59	0.9072	0.116
33582.449988	0.449988	14.365	10-Dec-91	10:47:59	0.9101	0.109
33582.449992	0.449992	14.358	10-Dec-91	10:47:59	0.9158	0.116
33582.449994	0.449994	14.358	10-Dec-91	10:47:59	0.9187	0.116
33582.449999	0.449999	14.358	10-Dec-91	10:48:00	0.9259	0.116
33582.450001	0.450001	14.358	10-Dec-91	10:48:00	0.9288	0.116
33582.450005	0.450005	14.365	10-Dec-91	10:48:00	0.9346	0.109
33582.450007	0.450007	14.365	10-Dec-91	10:48:01	0.9374	0.109
33582.450009	0.450009	14.365	10-Dec-91	10:48:01	0.9403	0.109
33582.450013	0.450013	14.358	10-Dec-91	10:48:01	0.9461	0.116
33582.450015	0.450015	14.365	10-Dec-91	10:48:01	0.9490	0.109
33582.45002	0.45002	14.365	10-Dec-91	10:48:02	0.9562	0.109
33582.450022	0.450022	14.365	10-Dec-91	10:48:02	0.9590	0.109
33582.450025	0.450025	14.373	10-Dec-91	10:48:02	0.9634	0.101
33582.450028	0.450028	14.373	10-Dec-91	10:48:02	0.9677	0.101
33582.45003	0.45003	14.373	10-Dec-91	10:48:03	0.9706	0.101
33582.450034	0.450034	14.373	10-Dec-91	10:48:03	0.9763	0.101
33582.450036	0.450036	14.373	10-Dec-91	10:48:03	0.9792	0.101
33582.450041	0.450041	14.365	10-Dec-91	10:48:04	0.9864	0.109
33582.450043	0.450043	14.373	10-Dec-91	10:48:04	0.9893	0.101
33582.450046	0.450046	14.373	10-Dec-91	10:48:04	0.9936	0.101
33582.450049	0.450049	14.373	10-Dec-91	10:48:04	0.9979	0.101
33582.450052	0.450052	14.38	10-Dec-91	10:48:04	1.0022	0.094
33582.450054	0.450054	14.38	10-Dec-91	10:48:05	1.0051	0.094
33582.450057	0.450057	14.38	10-Dec-91	10:48:05	1.0094	0.094
33582.450061	0.450061	14.38	10-Dec-91	10:48:05	1.0152	0.094
33582.450065	0.450065	14.38	10-Dec-91	10:48:06	1.0210	0.094
33582.450067	0.450067	14.38	10-Dec-91	10:48:06	1.0238	0.094
33582.450069	0.450069	14.38	10-Dec-91	10:48:06	1.0267	0.094
33582.450073	0.450073	14.38	10-Dec-91	10:48:06	1.0325	0.094

33582.450075	0.450075	14.38	10-Dec-91	10:48:06	1.0354	0.094
33582.450078	0.450078	14.38	10-Dec-91	10:48:07	1.0397	0.094
33582.450082	0.450082	14.38	10-Dec-91	10:48:07	1.0454	0.094
33582.450086	0.450086	14.387	10-Dec-91	10:48:07	1.0512	0.087
33582.450088	0.450088	14.387	10-Dec-91	10:48:08	1.0541	0.087
33582.45009	0.45009	14.38	10-Dec-91	10:48:08	1.0570	0.094
33582.450094	0.450094	14.387	10-Dec-91	10:48:08	1.0627	0.087
33582.450096	0.450096	14.38	10-Dec-91	10:48:08	1.0656	0.094
33582.450098	0.450098	14.387	10-Dec-91	10:48:08	1.0685	0.087
33582.450104	0.450104	14.387	10-Dec-91	10:48:09	1.0771	0.087
33582.450106	0.450106	14.387	10-Dec-91	10:48:09	1.0800	0.087
33582.450109	0.450109	14.394	10-Dec-91	10:48:09	1.0843	0.080
33582.450112	0.450112	14.387	10-Dec-91	10:48:10	1.0886	0.087
33582.450115	0.450115	14.387	10-Dec-91	10:48:10	1.0930	0.087
33582.450117	0.450117	14.394	10-Dec-91	10:48:10	1.0958	0.080
33582.45012	0.45012	14.387	10-Dec-91	10:48:10	1.1002	0.087
33582.450125	0.450125	14.387	10-Dec-91	10:48:11	1.1074	0.087
33582.450127	0.450127	14.394	10-Dec-91	10:48:11	1.1102	0.080
33582.45013	0.45013	14.394	10-Dec-91	10:48:11	1.1146	0.080
33582.450133	0.450133	14.394	10-Dec-91	10:48:11	1.1189	0.080
33582.450135	0.450135	14.394	10-Dec-91	10:48:12	1.1218	0.080
33582.450138	0.450138	14.394	10-Dec-91	10:48:12	1.1261	0.080
33582.450141	0.450141	14.394	10-Dec-91	10:48:12	1.1304	0.080
33582.450146	0.450146	14.401	10-Dec-91	10:48:13	1.1376	0.073
33582.450148	0.450148	14.394	10-Dec-91	10:48:13	1.1405	0.080
33582.45015	0.45015	14.394	10-Dec-91	10:48:13	1.1434	0.080
33582.450154	0.450154	14.401	10-Dec-91	10:48:13	1.1491	0.073
33582.450156	0.450156	14.401	10-Dec-91	10:48:13	1.1520	0.073
33582.45016	0.45016	14.401	10-Dec-91	10:48:14	1.1578	0.073
33582.450162	0.450162	14.394	10-Dec-91	10:48:14	1.1606	0.080
33582.450167	0.450167	14.401	10-Dec-91	10:48:14	1.1678	0.073
33582.450169	0.450169	14.401	10-Dec-91	10:48:15	1.1707	0.073
33582.450172	0.450172	14.401	10-Dec-91	10:48:15	1.1750	0.073
33582.450175	0.450175	14.401	10-Dec-91	10:48:15	1.1794	0.073
33582.450177	0.450177	14.401	10-Dec-91	10:48:15	1.1822	0.073
33582.450181	0.450181	14.401	10-Dec-91	10:48:16	1.1880	0.073
33582.450183	0.450183	14.401	10-Dec-91	10:48:16	1.1909	0.073
33582.450188	0.450188	14.409	10-Dec-91	10:48:16	1.1981	0.065
33582.45019	0.45019	14.401	10-Dec-91	10:48:16	1.2010	0.073
33582.450193	0.450193	14.401	10-Dec-91	10:48:17	1.2053	0.073
33582.450196	0.450196	14.409	10-Dec-91	10:48:17	1.2096	0.065
33582.450198	0.450198	14.409	10-Dec-91	10:48:17	1.2125	0.065
33582.450201	0.450201	14.401	10-Dec-91	10:48:17	1.2168	0.073
33582.450204	0.450204	14.409	10-Dec-91	10:48:18	1.2211	0.065
33582.450208	0.450208	14.409	10-Dec-91	10:48:18	1.2269	0.065
33582.450211	0.450211	14.401	10-Dec-91	10:48:18	1.2312	0.073
33582.450214	0.450214	14.401	10-Dec-91	10:48:18	1.2355	0.073

33582.450216	0.450216	14.409	10-Dec-91	10:48:19	1.2384	0.065
33582.45022	0.45022	14.409	10-Dec-91	10:48:19	1.2442	0.065
33582.450222	0.450222	14.401	10-Dec-91	10:48:19	1.2470	0.073
33582.450225	0.450225	14.409	10-Dec-91	10:48:19	1.2514	0.065
33582.450229	0.450229	14.409	10-Dec-91	10:48:20	1.2571	0.065
33582.450233	0.450233	14.409	10-Dec-91	10:48:20	1.2629	0.065
33582.450235	0.450235	14.409	10-Dec-91	10:48:20	1.2658	0.065
33582.450237	0.450237	14.409	10-Dec-91	10:48:20	1.2686	0.065
33582.450241	0.450241	14.409	10-Dec-91	10:48:21	1.2744	0.065
33582.450243	0.450243	14.409	10-Dec-91	10:48:21	1.2773	0.065
33582.450245	0.450245	14.409	10-Dec-91	10:48:21	1.2802	0.065
33582.45025	0.45025	14.409	10-Dec-91	10:48:22	1.2874	0.065
33582.450253	0.450253	14.409	10-Dec-91	10:48:22	1.2917	0.065
33582.450256	0.450256	14.409	10-Dec-91	10:48:22	1.2960	0.065
33582.450258	0.450258	14.409	10-Dec-91	10:48:22	1.2989	0.065
33582.450262	0.450262	14.409	10-Dec-91	10:48:23	1.3046	0.065
33582.450264	0.450264	14.416	10-Dec-91	10:48:23	1.3075	0.058
33582.450266	0.450266	14.409	10-Dec-91	10:48:23	1.3104	0.065
33582.450271	0.450271	14.416	10-Dec-91	10:48:23	1.3176	0.058
33582.450274	0.450274	14.416	10-Dec-91	10:48:24	1.3219	0.058
33582.450277	0.450277	14.416	10-Dec-91	10:48:24	1.3262	0.058
33582.45028	0.45028	14.416	10-Dec-91	10:48:24	1.3306	0.058
33582.450282	0.450282	14.416	10-Dec-91	10:48:24	1.3334	0.058
33582.450285	0.450285	14.416	10-Dec-91	10:48:25	1.3378	0.058
33582.450288	0.450288	14.416	10-Dec-91	10:48:25	1.3421	0.058
33582.450293	0.450293	14.416	10-Dec-91	10:48:25	1.3493	0.058
33582.450295	0.450295	14.416	10-Dec-91	10:48:25	1.3522	0.058
33582.450297	0.450297	14.416	10-Dec-91	10:48:26	1.3550	0.058
33582.450301	0.450301	14.416	10-Dec-91	10:48:26	1.3608	0.058
33582.450303	0.450303	14.416	10-Dec-91	10:48:26	1.3637	0.058
33582.450306	0.450306	14.416	10-Dec-91	10:48:26	1.3680	0.058
33582.450309	0.450309	14.416	10-Dec-91	10:48:27	1.3723	0.058
33582.450314	0.450314	14.416	10-Dec-91	10:48:27	1.3795	0.058
33582.450316	0.450316	14.416	10-Dec-91	10:48:27	1.3824	0.058
33582.450318	0.450318	14.416	10-Dec-91	10:48:27	1.3853	0.058
33582.450322	0.450322	14.423	10-Dec-91	10:48:28	1.3910	0.051
33582.450324	0.450324	14.423	10-Dec-91	10:48:28	1.3939	0.051
33582.450326	0.450326	14.416	10-Dec-91	10:48:28	1.3968	0.058
33582.45033	0.45033	14.423	10-Dec-91	10:48:29	1.4026	0.051
33582.450334	0.450334	14.423	10-Dec-91	10:48:29	1.4083	0.051
33582.450337	0.450337	14.416	10-Dec-91	10:48:29	1.4126	0.058
33582.45034	0.45034	14.423	10-Dec-91	10:48:29	1.4170	0.051
33582.450343	0.450343	14.423	10-Dec-91	10:48:30	1.4213	0.051
33582.450345	0.450345	14.423	10-Dec-91	10:48:30	1.4242	0.051
33582.450348	0.450348	14.423	10-Dec-91	10:48:30	1.4285	0.051
33582.450351	0.450351	14.423	10-Dec-91	10:48:30	1.4328	0.051
33582.450355	0.450355	14.423	10-Dec-91	10:48:31	1.4386	0.051

33582.450358	0.450358	14.423	10-Dec-91	10:48:31	1.4429	0.051
33582.450361	0.450361	14.423	10-Dec-91	10:48:31	1.4472	0.051
33582.450363	0.450363	14.423	10-Dec-91	10:48:31	1.4501	0.051
33582.450366	0.450366	14.423	10-Dec-91	10:48:32	1.4544	0.051
33582.450369	0.450369	14.423	10-Dec-91	10:48:32	1.4587	0.051
33582.450372	0.450372	14.423	10-Dec-91	10:48:32	1.4630	0.051
33582.450376	0.450376	14.423	10-Dec-91	10:48:32	1.4688	0.051
33582.450378	0.450378	14.423	10-Dec-91	10:48:33	1.4717	0.051
33582.450382	0.450382	14.423	10-Dec-91	10:48:33	1.4774	0.051
33582.450384	0.450384	14.423	10-Dec-91	10:48:33	1.4803	0.051
33582.450388	0.450388	14.423	10-Dec-91	10:48:34	1.4861	0.051
33582.45039	0.45039	14.423	10-Dec-91	10:48:34	1.4890	0.051
33582.450392	0.450392	14.43	10-Dec-91	10:48:34	1.4918	0.044
33582.450397	0.450397	14.423	10-Dec-91	10:48:34	1.4990	0.051
33582.4504	0.4504	14.423	10-Dec-91	10:48:35	1.5034	0.051
33582.450403	0.450403	14.423	10-Dec-91	10:48:35	1.5077	0.051
33582.450405	0.450405	14.423	10-Dec-91	10:48:35	1.5106	0.051
33582.450409	0.450409	14.43	10-Dec-91	10:48:35	1.5163	0.044
33582.450411	0.450411	14.43	10-Dec-91	10:48:36	1.5192	0.044
33582.450413	0.450413	14.43	10-Dec-91	10:48:36	1.5221	0.044
33582.450418	0.450418	14.43	10-Dec-91	10:48:36	1.5293	0.044
33582.450421	0.450421	14.43	10-Dec-91	10:48:36	1.5336	0.044
33582.450424	0.450424	14.43	10-Dec-91	10:48:37	1.5379	0.044
33582.450426	0.450426	14.43	10-Dec-91	10:48:37	1.5408	0.044
33582.450429	0.450429	14.43	10-Dec-91	10:48:37	1.5451	0.044
33582.450432	0.450432	14.43	10-Dec-91	10:48:37	1.5494	0.044
33582.450434	0.450434	14.43	10-Dec-91	10:48:37	1.5523	0.044
33582.45044	0.45044	14.423	10-Dec-91	10:48:38	1.5610	0.051
33582.450442	0.450442	14.43	10-Dec-91	10:48:38	1.5638	0.044
33582.450444	0.450444	14.43	10-Dec-91	10:48:38	1.5667	0.044
33582.450448	0.450448	14.43	10-Dec-91	10:48:39	1.5725	0.044
33582.45045	0.45045	14.43	10-Dec-91	10:48:39	1.5754	0.044
33582.450453	0.450453	14.43	10-Dec-91	10:48:39	1.5797	0.044
33582.450456	0.450456	14.43	10-Dec-91	10:48:39	1.5840	0.044
33582.450461	0.450461	14.438	10-Dec-91	10:48:40	1.5912	0.036
33582.450463	0.450463	14.43	10-Dec-91	10:48:40	1.5941	0.044
33582.450465	0.450465	14.43	10-Dec-91	10:48:40	1.5970	0.044
33582.450469	0.450469	14.438	10-Dec-91	10:48:41	1.6027	0.036
33582.450471	0.450471	14.43	10-Dec-91	10:48:41	1.6056	0.044
33582.450473	0.450473	14.438	10-Dec-91	10:48:41	1.6085	0.036
33582.450477	0.450477	14.43	10-Dec-91	10:48:41	1.6142	0.044
33582.450481	0.450481	14.438	10-Dec-91	10:48:42	1.6200	0.036
33582.450484	0.450484	14.438	10-Dec-91	10:48:42	1.6243	0.036
33582.450486	0.450486	14.43	10-Dec-91	10:48:42	1.6272	0.044
33582.45049	0.45049	14.43	10-Dec-91	10:48:42	1.6330	0.044
33582.450492	0.450492	14.438	10-Dec-91	10:48:43	1.6358	0.036
33582.450495	0.450495	14.438	10-Dec-91	10:48:43	1.6402	0.036

33582.450498	0.450498	14.438	10-Dec-91	10:48:43	1.6445	0.036
33582.450502	0.450502	14.438	10-Dec-91	10:48:43	1.6502	0.036
33582.450505	0.450505	14.43	10-Dec-91	10:48:44	1.6546	0.044
33582.450508	0.450508	14.438	10-Dec-91	10:48:44	1.6589	0.036
33582.45051	0.45051	14.438	10-Dec-91	10:48:44	1.6618	0.036
33582.450513	0.450513	14.438	10-Dec-91	10:48:44	1.6661	0.036
33582.450516	0.450516	14.438	10-Dec-91	10:48:45	1.6704	0.036
33582.450519	0.450519	14.438	10-Dec-91	10:48:45	1.6747	0.036
33582.450523	0.450523	14.43	10-Dec-91	10:48:45	1.6805	0.044
33582.450525	0.450525	14.438	10-Dec-91	10:48:45	1.6834	0.036

Monthly Water Level Measurements

MONTHLY WATER LEVEL MEASUREMENTS

Well ID	Measuring Point Elevation[c] (ft)	03/05/91 Depth to Water (ft)	03/05/91 Water Table Elevation	03/05/91 Time	04/26/91 Depth to Water (ft)	04/26/91 Water Table Elevation	04/26/91 Time	05/21/91 Depth to Water (ft)	05/21/91 Water Table Elevation	05/21/91 Time
As	36.34	24.12	12.22	16:02[b]	23.42	12.92	13:33	23.26	13.08	11:57
Bs	31.51	NM	NM	NM	20.89	10.62	11:44	16.97	14.54	11:44
Cs	35.60	NM	NM	NM	23.68	11.92	13:35	23.35	12.25	11:50
Ds	36.29	24.68	11.61	17:55	25.80	10.49	11:10	22.30	13.99	11:17
Es	37.55	26.09	11.46	18:09	26.85	10.70	14:09	23.89	13.66	13:36
Fs	33.13	21.37	11.76	17:38	22.34	10.79	14:13	18.60	14.53	13:40
Gs	34.29	22.58	11.71	17:46	23.73	10.56	11:15	19.81	14.48	11:20
Hs	33.80	22.12	11.68	11:16	21.42	12.38	13:58	21.45	12.35	13:57
Is	32.52	21.01	11.51	16:54	20.47	12.05	14:19	20.32	12.20	13:23
Js	34.42	22.45	11.97	10:16	22.17	12.25	13:37	21.98	12.44	11:56
Ks	35.47	23.75	11.72	15:32[b]	22.91	12.56	10:33	22.91	12.56	11:04
LRs	35.50	24.18	11.32	10:34	24.44	11.06	13:52	21.93	13.57	13:30
Ni	32.83	22.05	10.78	17:06	22.50	10.33	14:21	20.26	12.57	13:54
Os	34.52	21.73	12.79	10:29	20.89	13.63	10:36	20.93	13.59	10:37
Ps	34.61	NM	NM	NM	23.44	11.17	13:55	20.76	13.85	13:13
Rs	34.53	23.24	11.29	16:42	23.01	11.52	13:48	22.05	12.48	13:27
1s	34.18[b]	23.57	10.61	15:37[b]	23.14	11.18	10:28	22.95	11.37	10:59
2s	33.11	21.83	11.28	9:35	21.33	11.78	11:36	21.36	11.75	11:36
3s	28.77	16.27	12.50	9:47	15.70	13.07	11:42	16.49	12.28	11:41
4s	34.92[b]	22.88	12.04	10:02	23.43	11.45	10:55	18.47	16.41	10:53
5s	33.45	21.93	11.52	10:09	21.51	11.94	10:49	21.01	12.44	10:47
7s	34.21	22.81	11.40	16:18[b]	23.09	11.12	11:53	19.74	14.47	13:06
Bi	33.77	21.89	11.88	16:14[b]	22.52	11.25	11:51	18.52	15.25	13:07
10s	33.65	22.21	11.44	11:29	21.85	11.80	12:00	21.47	12.18	13:19
11s	35.05	22.92	12.13	11:39	23.30	11.75	12:05	22.55	12.50	13:15
13i	34.66	22.59	12.07	16:31	23.31	11.35	11:28	19.15	15.51	12:59
14s	35.22[c]	23.92	11.30	16:11	23.56	11.66	11:01	23.07	12.15	11:07
15s	36.44	25.21	11.23	11:56	24.95	11.49	12:15	24.12	12.32	12:48
16s	34.44	22.76	11.68	16:24	23.75	10.69	11:30	19.70	14.74	13:00
17s	35.10	23.89	11.21	11:48	23.85	11.25	12:09	22.40	12.70	12:54
18s	40.64	28.97	11.67	17:19	29.88	10.76	11:05	26.24	14.40	11:12
19s	33.50[c]	19.93	13.57	10:17	19.40	14.03	10:44	19.55	13.88	10:42
20i	35.78	23.87	11.91	17:27	24.60	11.18	12:23	20.29	15.49	13:43
21s	38.49	--	--	--	--	--	--	--	--	--
22i	33.56	--	--	--	--	--	--	--	--	--
23d	34.27	--	--	--	--	--	--	--	--	--
25s	19.42	--	--	--	--	--	--	--	--	--
26s	15.96	--	--	--	--	--	--	--	--	--
27s	15.46	--	--	--	--	--	--	--	--	--
28s	15.70	--	--	--	--	--	--	--	--	--
29s	14.06	--	--	--	--	--	--	--	--	--
30s	17.40	--	--	--	--	--	--	--	--	--
31s	17.10	--	--	--	--	--	--	--	--	--
River Stage[d]										
Low	31.72	--	--	--	21.53	10.19	14:38	17.21	14.51	10:30
High	31.72	--	--	--	--	--	--	17.15	14.57	14:09

Well ID	Measuring Point Elevation (ft)	06/25/91 Depth to Water (ft)	06/25/91 Water Table Elevation	06/25/91 Time	07/25/91 Depth to Water (ft)	07/25/91 Water Table Elevation	07/25/91 Time	08/27/91 Depth to Water (ft)	08/27/91 Water Table Elevation	08/27/91 Time
As	36.34	22.99	13.35	16:45	23.04	13.30	15:28	23.38	12.96	10:13
Bs	31.51	21.35	10.16	10:00	22.72	8.79	15:50	22.94	8.57	9:53
Cs	35.60	23.10	12.50	11:55	NM	NM	NM	24.03	11.57	10:35
Ds	36.29	26.79	9.50	17:31	28.25	8.04	17:29	28.80	7.49	16:10
Es	37.55	28.40	9.15	17:07	30.93	6.62	16:59	30.44	7.11	15:40
Fs	33.13	23.80	9.33	17:15	25.43	7.70	17:07	25.93	7.20	13:22
Gs	34.29	25.12	9.17	17:27	26.89	7.40	17:26	29.05	5.24	15:59
Hs	33.80	21.89	11.91	16:40	21.91	11.89	17:42	22.83	10.97	13:55
1s	32.52	20.13	12.39	15:30	21.37	11.15	18:30	22.30	10.22	15:15
Js	34.42	21.46	12.96	12:00	22.60	11.82	15:15	23.72	10.70	10:29
Ks	35.47	22.40	13.07	12:05	23.37	12.10	15:19	24.85	10.62	10:24
LRs	35.50	24.18	11.32	10:40	25.73	9.77	15:55	NM	NM	NM
Ni	32.83	22.95	9.88	10:45	23.99	8.84	15:40	25.02	7.81	13:52
Os	34.52	20.84	13.68	11:00	21.20	13.32	15:25	21.86	12.66	10:10
Ps	34.61	23.23	11.38	10:25	25.28	9.33	16:45	25.93	8.68	11:17
Rs	34.53	22.67	11.86	16:25	24.09	10.44	16:40	25.13	9.40	13:42
1s	34.18[c]	22.41	11.91	11:07	23.56	10.76	14:27	24.35	9.97	10:17
2s	33.11	21.10	12.01	9:45	21.82	11.29	14:36	22.70	10.41	9:45
3s	28.77	15.71	13.06	9:55	16.85	11.92	14:44	17.47	11.30	9:50
4s	34.92[c]	25.33	9.59	10:20	27.06	7.82	14:48	27.49	7.39	9:55
5s	33.45	20.80	12.65	10:55	22.45	11.00	15:45	23.41	10.04	9:59
7s	34.21	23.60	10.61	15:40	25.01	9.20	17:50	25.79	8.42	14:25
8i	33.77	25.36	8.41	15:43	26.36	7.41	17:57	28.05	5.72	14:29
10s	33.65	21.25	12.40	15:55	22.61	11.04	16:34	23.69	9.96	14:06
11s	35.05	22.61	12.44	16:15	23.82	11.23	16:02	25.20	9.85	14:18
13i	34.66	26.00	8.66	16:55	22.94	11.72	15:35	28.07	6.59	11:05
14s	35.22[c]	23.00	12.22	11:50	24.34	10.88	15:10	25.43	9.79	10:33
15s	36.44	24.32	12.12	11:45	25.77	10.67	15:06	26.73	9.71	11:22
16s	34.44	24.45	9.99	17:00	25.98	8.46	15:37	26.63	7.81	11:08
17s	35.10	23.55	11.55	17:02	24.87	10.23	15:04	25.93	9.17	10:53
18s	40.64	31.05	9.59	11:35	32.63	8.01	17:05	33.10	7.54	10:56
19s	33.50[c]	19.44	13.99	15:20	19.86	13.57	17:40	20.44	12.99	10:02
20i	35.78	27.11	8.67	17:22	28.72	7.06	17:18	30.35	5.43	15:53
21s	38.49	28.37	10.12	11:40	30.01	8.48	16:56	30.68	7.81	15:47
22i	33.56	--	--	--	26.87	6.69	16:30	27.61	5.95	14:08
23d	34.27	--	--	--	--	--	--	27.44	6.83	10:42
25s	19.42	9.78	9.64	17:20	11.34	8.08	17:13	13.32	6.10	13:35
26s	15.96	--	--	--	7.64	8.32	18:12	10.22	5.74	15:00
27s	15.46	--	--	--	7.46	8.00	18:10	8.29	7.17	15:02
28s	15.70		--	--	7.97	7.73	18:09	8.73	6.97	15:06
29s	14.06	--	--	--	6.63	7.43	18:20	29.63	0.00	15:48
30s	17.40	--	--	--	9.88	7.52	18:15	11.56	5.84	15:52
31s	17.10	--	--	--	--	--	--	10.70	6.40	15:30
River Stage										
Low	31.72	24.75	6.97	15:10	26.48	6.18	14:57	26.87	4.85	15:35
High	31.72	23.74	7.98	9:30	25.00	7.66	18:37	25.05	6.67	9:35

Well ID	Measuring Point Elevation (ft)	09/24/91 Depth to Water (ft)	09/24/91 Water Table Elevation	09/24/91 Time	10/24/91 Depth to Water (ft)	10/24/91 Water Table Elevation	10/24/91 Time	12/03/91 Depth to Water (ft)	12/03/91 Water Table Elevation	12/03/91 Time
As	36.34	23.75	12.59	14:40[a]	24.18	12.16	15:31	24.45	11.89	16:00
Bs	31.51	Dry	Dry	13:55[a]	24.00	7.51	11:30	22.07	9.44	15:35
Cs	35.60	24.06	11.54	15:20[a]	24.03	11.57	15:15	23.79	11.81	14:52
Ds	36.29	30.05	6.24	17:25	29.60	6.69	10:35	27.92	8.37	10:50
Es	37.55	30.91	6.64	15:55	31.42	6.13	15:00	29.09	8.46	11:22
Fs	33.13	26.95	6.18	14:13	26.46	6.67	10:50	24.87	8.26	10:46
Gs	34.29	33.83	0.46	17:20	28.00	6.29	10:45	26.11	8.18	10:58
Hs	33.80	23.48	10.32	16:25	24.11	9.69	15:34	23.97	9.83	15:00
Is	32.52	23.17	9.35	16:55	23.45	9.07	16:06	23.05	9.47	12:04
Js	34.42	25.53	8.89	15:05[a]	NM	NM	NM	24.99	9.43	14:58
Ks	35.47	25.83	9.64	16:10	NM	NM	NM	26.36	9.11	15:55
LRs	35.50	27.63	7.87	11:43	28.08	7.42	1105	23.77	11.73	14:35
Ni	32.83	26.30	6.53	17:13[a]	25.82	7.01	1603	24.47	8.36	11:59
Os	34.52	22.51	12.01	14:03[a]	23.18	11.34	16:35	23.31	11.21	15:47
Ps	34.61	25.29	9.32	16:45[a]	26.98	7.63	11:07	25.77	8.84	15:24
Rs	34.53	25.95	8.58	15:25	25.41	9.12	11:02	25.66	8.87	15:16
1s	34.18[c]	25.21	9.11	17:25[a]	25.64	8.68	15:25	25.22	9.10	14:23
2s	33.11	23.58	9.53	13:58[a]	24.15	8.96	16:30	23.67	9.44	15:44
3s	28.77	17.99	10.78	13:47[a]	18.20	10.57	11:32	17.67	11.10	15:38
4s	34.92[c]	28.81	6.07	16:55[a]	27.83	6.98	11:20	26.39	8.42	15:33
5s	33.45	24.33	9.12	17:00[a]	28.10	5.35	15:10	23.93	9.52	15:26
7s	34.21	26.65	7.56	16:30	26.70	7.51	11:10	25.55	8.66	11:48
8i	33.77	27.03	6.74	16:40	26.66	7.11	9:50	25.99	7.78	11:45
10s	33.65	24.46	9.19	15:10	25.06	8.59	15:36	24.42	9.23	12:18
11s	35.05	26.16	8.89	16:35[a]	26.54	8.51	15:40	25.95	9.10	15:09
13i	34.66	29.32	5.34	16:13[a]	27.36	7.30	9:43	28.90	5.76	11:38
14s	35.22[c]	26.21	9.01	14:50[a]	26.75	8.24	15:16	26.50	8.49	14:50
15s	36.44	27.71	8.73	14:35	26.03	10.41	15:50	27.54	8.90	14:45
16s	34.44	27.48	6.96	16:20[a]	27.56	6.88	10:57	25.86	8.58	11:40
17s	35.10	26.76	8.34	15:45	27.18	7.92	10:54	26.30	8.80	14:40
18s	40.64	34.39	6.25	15:50[a]	33.82	6.82	14:45	32.33	8.31	10:48
19s	33.50[c]	21.24	12.26	14:10[a]	21.87	11.56	16:15	21.51	11.92	16:04
20i	35.78	29.30	6.48	17:10	28.91	6.87	13:50	28.25	7.53	11:00
21s	38.49	31.84	6.65	15:35[a]	33.05	5.44	10:10	32.67	5.82	11:15
22i	33.56	28.30	5.26	15:00	26.43	7.13	10:04	25.90	7.66	12:16
23d	34.27	27.91	6.36	17:15[c]	27.10	7.17	9:58	26.58	7.69	12:02
25s	19.42	13.42	6.00	10:00	13.05	6.37	13:40	11.48	7.94	13:00
26s	15.96	10.00	5.96	11:12	9.66	6.30	14:10	8.02	7.94	12:40
27s	15.46	8.85	6.61	11:20	8.61	6.85	14:22	7.30	8.16	12:32
28s	15.70	9.33	6.37	11:27	8.84	6.86	14:26	7.61	8.09	12:35
29s	14.06	8.34	5.72	10:47	7.50	6.56	14:15	6.19	7.87	12:45
30s	17.40	11.42	5.98	11:00	11.07	6.33	14:12	9.37	8.03	12:42
31s	17.10	11.09	6.01	10:12	10.68	6.42	13:45	9.05	8.05	13:06
River Stage										
Low	31.72	27.88	4.78	14:00	25.90	5.82	14:35	24.35	7.37	11:05
High	31.72	25.32	7.34	17:45	24.00	7.72	16:45	22.64	9.08	14:30

Well ID	Measuring Point Elevation (ft)	12/23/91 Depth to Water (ft)	12/23/91 Water Table Elevation	12/23/91 Time	3/23/92 Depth to Water (ft)	3/23/92 Water Table Elevation	3/23/92 Time
As	36.34	24.36	11.98	13:03	23.72	12.62	12:19
Bs	31.51	21.58	9.93	14:27	22.00	9.51	12:33
Cs	35.60	23.70	11.90	13:22	23.62	11.98	14:32
Ds	36.29	27.31	8.98	10:18	27.80	8.49	15:01
Es	37.55	28.60	8.95	11:45	28.81	8.74	14:42
Fs	33.13	24.23	8.90	9:34	24.97	8.16	14:48
Gs	34.29	25.42	8.87	10:09	26.66	7.63	15:04
Hs	33.80	23.19	10.61	13:48	22.23	11.52	14:24
Is	32.52	22.34	10.18	14:00	21.73	10.79	14:10
Js	34.42	24.35	10.07	13:33	23.28	11.14	14:26
Ks	35.47	25.85	9.62	14:58	24.37	11.10	12:15
LRs	35.50	26.06	9.44	14:13	25.98	9.52	13:56
Ni	32.83	23.80	9.03	13:56	24.25	8.58	11:18
Os	34.52	22.76	11.76	14:38	21.52	13.00	12:22
Ps	34.61	25.23	9.38	14:17	25.14	9.47	13:49
Rs	34.53	24.93	9.60	13:44	24.47	10.06	14:04
1s	34.18[c]	24.53	9.79	12:58	24.65	9.53	11:52
2s	33.11	22.84	10.27	14:32	22.63	10.48	12:26
3s	28.77	17.00	11.77	14:29	16.55	12.22	12:31
4s	34.92[c]	25.86	8.95	14:24	26.51	8.41	12:35
5s	33.45	23.26	10.19	14:20	22.49	10.96	13:45
7s	34.21	24.89	9.32	10:49	24.97	9.24	13:52
8i	33.77	25.01	8.76	9:55	25.80	7.97	11:21
10s	33.65	23.82	9.83	13:40	29.28	4.37	13:58
11s	35.05	25.31	9.74	13:10	24.65	10.40	14:08
13i	34.66	25.92	8.74	10:00	26.65	8.01	11:25
14s	35.22[c]	25.22	9.77	13:25	24.60	10.62	14:31
15s	36.44	26.78	9.66	13:25	26.21	10.23	14:34
16s	34.44	25.23	9.21	10:40	25.82	8.62	14:38
17s	35.10	25.66	9.44	10:31	25.18	9.92	14:39
18s	40.64	31.81	8.83	10:21	32.35	8.29	14:45
19s	33.50[c]	20.53	12.90	14:50	19.69	13.81	13:40
20i	35.78	27.08	8.70	10:07	27.91	7.87	11:36
21s	38.49	32.93	5.56	11:32	29.62	8.87	11:29
22i	33.56	25.14	8.42	13:38	25.46	8.10	11:14
23d	34.27	26.05	8.22	13:52	26.10	8.17	10:52
25s	19.42	10.75	8.67	9:45	12.27	7.15	14:52
26s	15.96	7.36	8.60	11:05	8.86	7.10	15:25
27s	15.46	6.52	8.94	11:03	7.35	8.11	15:23
28s	15.70	6.77	8.93	11:00	7.68	8.02	15:20
29s	14.06	5.39	8.67	11:10	6.58	7.48	15:29
30s	17.40	8.76	8.64	11:07	10.31	7.09	15:27
31s	17.10	8.41	8.69	9:47	8.80	8.30	14:54
River Stage							
Low	31.72	24.15	7.57	14:07	25.08	6.64	14:19
High	31.72	23.09	8.63	9:23	23.94	7.78	10:44

Note: NM - not measured
-- indicates well not yet installed.

[a] Elevations referenced to City of Portland datum.

[b] Measurement taken on March 4, 1991.

[c] Measuring point changes.

[d] River stage measured at the creosote dock.

[e] Measurement taken on September 23, 1991.

Vertical Gradients

VERTICAL GRADIENTS

Well Pair	Date	Time		Measuring Point Elevation		Water Table Elevation		Difference (ft)	Distance Between Centers	Gradient	Direction
MW-Gs/MW-20i	03/91	17:46	17:27	34.3	35.8	11.71	11.91	−0.20	29.66	-6.74×10^{-3}	Up
	06/91	17:27	17:22	34.3	35.8	9.17	8.67	0.50	29.66	1.69×10^{-2}	Down
	07/91	17:29	17:18	34.3	35.8	7.40	7.06	0.34	29.66	1.15×10^{-2}	Down
	08/91	15:59	15:33	34.3	35.8	5.24	5.43	−0.19	29.66	-6.41×10^{-3}	Up
	09/91	17:20	17:10	34.3	35.8	0.46	6.48	−6.02	29.66	-2.03×10^{-1}	Up
	12/03/91	10:58	11:00	34.3	35.8	8.18	7.53	0.65	29.66	2.19×10^{-2}	Down
	12/23/91	10:09	10:07	34.3	35.8	8.87	8.70	0.17	29.66	5.73×10^{-3}	Down
	01/06/92	14:17	14:20	34.3	35.8	7.92	-2.8	10.70	29.66	3.61×10^{-1}	Down
	02/24/92	12:50	12:53	34.3	35.8	10.96	10.9	0.06	29.66	2.02×10^{-3}	Down
MW-16s/MW-13i	03/91	16:24	16:31	34.4	34.7	11.68	12.07	−0.39	22.63	-1.72×10^{-2}	Up
	04/91	11:30	11:28	34.4	34.7	10.69	11.35	−0.66	22.63	-2.92×10^{-2}	Up
	05/91	13:00	12:59	34.4	34.7	14.74	15.51	−0.77	22.63	-3.40×10^{-2}	Up
	06/91	17:00	16:55	34.4	34.7	9.99	8.66	1.33	22.63	5.88×10^{-2}	Down
	07/91	15:37	15:35	34.4	34.7	8.46	11.72	−3.26	22.63	-1.44×10^{-1}	Up
	08/91	11:08	11:05	34.4	34.7	7.81	6.59	1.22	22.63	5.39×10^{-2}	Down
	09/91	16:20	16:13	34.4	34.7	6.96	5.34	1.62	22.63	7.16×10^{-2}	Down
	12/03/91	11:40	11:38	34.4	34.7	8.58	5.76	2.82	22.63	1.25×10^{-1}	Down
	01/06/92	14:53	14:51	34.4	34.7	8.30	7.52	0.78	22.63	3.45×10^{-2}	Down
	02/03/92	12:43	12:54	34.4	34.7	8.99	7.7	1.29	22.63	5.70×10^{-2}	Down
	02/24/92	13:07	13:06	34.4	34.7	10.74	10.7	0.04	22.63	1.77×10^{-3}	Down
MW-7s/MW-8i	03/91	16:14	16:14	34.2	33.8	11.40	11.88	−0.48	25.76	-1.86×10^{-2}	Up
	04/91	11:53	11:51	34.2	33.8	11.12	11.25	−0.13	25.76	-5.05×10^{-3}	Up
	05/91	13:06	13:07	34.2	33.8	14.47	15.25	−0.78	25.76	-3.03×10^{-2}	Up
	06/91	15:40	15:43	34.2	33.8	10.61	8.41	2.20	25.76	8.54×10^{-2}	Down
	07/91	17:50	17:57	34.2	33.8	9.20	7.41	1.79	25.76	6.95×10^{-2}	Down
	08/91	14:25	14:29	34.2	33.8	8.42	5.72	2.70	25.76	1.05×10^{-1}	Down
	09/91	16:30	16:40	34.2	33.8	7.56	6.74	0.82	25.76	3.18×10^{-2}	Down
	12/03/91	11:48	11:45	34.2	33.8	8.66	7.78	0.88	25.76	3.42×10^{-2}	Down
	01/06/92	15:04	15:07	34.2	33.8	8.74	7.58	1.16	25.76	4.50×10^{-2}	Down
	02/03/92	12:27	12:30	34.2	33.8	9.41	7.82	1.59	25.76	6.17×10^{-2}	Down
	02/24/92	13:55	13:58	34.2	33.8	10.91	10.7	0.24	25.76	9.32×10^{-3}	Down
MW-Es/MW-21s	07/91	16:59	16:56	37.6	38.5	6.62	8.48	−1.86	6.66	-2.79×10^{-1}	Up
	08/91	15:40	15:47	37.6	38.5	7.11	7.81	−0.70	6.66	-1.05×10^{-1}	Up
	09/91	15:55	15:35	37.6	38.5	6.64	6.65	−0.01	6.66	-1.50×10^{-3}	Down
	12/03/91	11:22	11:15	37.6	38.5	8.46	5.82	2.64	6.66	3.96×10^{-1}	Down

Well Pair	Date	Time		Measuring Point Elevation		Water Table Elevation		Difference (ft)	Distance Between Centers	Gradient	Direction
MW-Es/MW-21s	12/23/91	11:45	11:32	37.6	38.5	8.95	5.56	3.39	6.66	5.09×10^{-1}	Down
(cont.)	02/03/92	13:36	13:42	37.6	38.5	9.05	1.97	7.08	6.66	1.06×10	Down
	02/24/92	13:12	13:16	37.6	38.5	10.75	2.59	8.16	6.66	1.23×10	Down
MW-10s/MW-22i	07/91	16:34	16:30	33.7	33.6	11.04	6.69	4.35	23.01	1.89×10^{-1}	Down
	08/91	14:06	14:08	33.7	33.6	9.96	5.95	4.01	23.01	1.74×10^{-1}	Down
	09/91	15:10	15:00	33.7	33.6	9.19	5.26	3.93	23.01	1.71×10^{-1}	Down
	12/03/91	12:18	12:16	33.7	33.6	9.23	7.66	1.57	23.01	6.82×10^{-2}	Down
	12/23/91	13:40	13:38	33.7	33.6	9.83	8.42	1.41	23.01	6.13×10^{-2}	Down
	01/06/92	15:25	15:22	33.7	33.6	7.65	7.75	−0.10	23.01	-4.35×10^{-3}	Up
	02/03/92	14:05	14:08	33.7	33.6	5.25	7.51	−2.26	23.01	-9.82×10^{-2}	Up
	02/24/92	14:32	14:35	33.7	33.6	3.2	10.6	−7.35	23.01	-3.19×10^{-1}	Up
MW-Is/MW-Ni	03/91	16:54	17:06	32.5	32.8	11.51	10.78	0.73	36.72	1.99×10^{-2}	Down
	04/91	14:19	14:21	32.5	32.8	12.05	10.33	1.72	36.72	4.68×10^{-2}	Down
	05/91	13:57	13:54	32.5	32.8	12.20	12.57	−0.37	36.72	-1.01×10^{-2}	Up
	10/91	16:06	16:03	32.5	32.8	9.07	7.01	2.06	36.72	5.61×10^{-2}	Down
	12/03/91	12:04	11:59	32.5	32.8	9.47	8.36	1.11	36.72	3.02×10^{-2}	Down
	12/23/91	14:00	13:56	32.5	32.8	10.18	9.03	1.15	36.72	3.13×10^{-2}	Down
	01/06/92	16:04	16:01	32.5	32.8	9.87	8.12	1.75	36.72	4.77×10^{-2}	Down
	02/03/92	14:29	14:26	32.5	32.8	10.65	8.86	1.79	36.72	4.87×10^{-2}	Down
	02/24/92	14:09	14:07	32.5	32.8	10.94	10.1	0.84	36.72	2.29×10^{-2}	Down
MW-Ni/MW-23d	09/91	17:13	17:15	32.8	34.3	6.53	6.36	0.17	111.76	1.52×10^{-3}	Down
	12/03/91	11:59	12:02	32.8	34.3	8.36	7.69	0.67	111.76	5.99×10^{-3}	Down
	12/23/91	13:56	13:52	32.8	34.3	9.03	8.22	0.81	111.76	7.25×10^{-3}	Down
	01/06/92	16:01	15:58	32.8	34.3	8.12	8.11	0.01	111.76	8.95×10^{-3}	Down
	02/03/92	14:26	14:24	32.8	34.3	8.86	7.72	1.14	111.76	1.02×10^{-2}	Down
	02/24/92	14:07	14:05	32.8	34.3	10.1	10.6	−0.46	111.76	-4.12×10^{-3}	Up
MW-Is/MW-23d	12/03/91	12:04	12:02	32.5	34.3	9.47	7.69	1.78	148.48	1.20×10^{-2}	Down
	12/23/91	14:00	13:52	32.5	34.3	10.18	8.22	1.96	148.48	1.32×10^{-2}	Down
	01/06/92	16:04	15:58	32.5	34.3	9.87	8.11	1.76	148.48	1.19×10^{-2}	Down
	02/03/92	14:29	14:24	32.5	34.3	10.7	7.72	2.93	148.48	1.97×10^{-3}	Down
	02/24/92	14:09	14:05	32.5	34.3	10.9	10.6	0.38	148.48	2.56×10^{-3}	Down
MW-Os/PW-2d	02/06/92	10:39	11:00	34.5	29.4	12.3	8.86	3.43	52.40	6.55×10^{-2}	Down
	02/24/92	15:30	15:25	34.5	29.4	12.6	6.84	5.72	52.40	1.09×10^{-1}	Down