NUS CORPORATION
A Halliburton Company

SDMS Document
107960

D-33-12-5-18
CT-5-RI-D-III

REMEDIAL INVESTIGATION

VOLUME III
APPENDICES A AND B

CALDWELL TRUCKING COMPANY SITE
TOWNSHIP OF FAIRFIELD, NEW JERSEY

EPA WORK ASSIGNMENT
NUMBER 69-2LB3
CONTRACT NUMBER 68-01-6699

NUS PROJECT NUMBER S796

JANUARY 1986

CTC 001 0603

NUS CORPORATION

Park West Two
Cliff Mine Road
Pittsburgh, PA 15275
412-788-1080

D-33-12-5-18
CT-5-RI-D-III

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SUBMITTED FOR NUS BY:

LEONARD C. JOHNSON
PROJECT MANAGER

APPROVED:

DEBRA WROBLEWSKI
REGIONAL MANAGER
REGION II

CTC 001 0604

A Halliburton Company

CONTENTS

APPENDICES

A HAZARDOUS SUBSTANCES INVESTIGATION ANALYTICAL RESULTS

B SUBSURFACE INVESTIGATION

CTC 001 0605

A

CTC 001 0606

DRAFT

APPENDIX A

HAZARDOUS SUBSTANCES INVESTIGATION ANALYTICAL RESULTS

CTC 001 0607

SAMPLE TYPE: SPW

SAMPLE NUMBER :	CT-SPW-000	CT-SPW-001	CT-SPW-001A	CT-SPW-002	CT-SPW-003	CT-SPW000C
TRAFFIC REPORT NUMBER :	88463	88459	88460	88461	88462	88466
DESCRIPTION:	BLANK	S.P. 01	DUP 001	S.P. 02	S.P. 03	BLANK

*** VOLATILES ***

PP	CAS NO	COMPOUND					
44V	75-09-2	METHYLENE CHLORIDE	ND	160R	150R	820	ND	17
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	20	78	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND						
	319-85-7	BETA-BHC	ND	ND	ND	.067	ND	ND
	58-89-9	GAMMA-BHC (LINDANE)	ND	ND	.11	ND	ND	ND

SAMPLE TYPE: SPW

SAMPLE NUMBER :	CT-SPW-000	CT-SPW-001	CT-SPW-001A	CT-SPW-002	CT-SPW-003	CT-SPW000C
TRAFFIC REPORT NUMBER :	MB8694	MB8719	MB8720	MB8721	MB8722	
DESCRIPTION:	BLANK	S.P. 01	DUP 001	S.P. 02	S.P. 03	BLANK

*** INORGANICS ***

PP	CAS NO	COMPOUND					
1		ALUMINUM	ND	[126]	[93]	1460	[59]	ND
4		BARIUM	ND	[24]	[23]	[68]	[20]	ND
7		CALCIUM	ND	158,000	152000	36200	80600	ND
8		CHROMIUM	ND	ND	ND	[8.6]	ND	ND
10		COPPER	ND	[7.9]	[8.1]	27	[7.8]	ND
11		IRON	ND	644	370	7960	314	ND
12		LEAD	[3.2]	12	ND	229	[4.8]	ND
13		MAGNESIUM	ND	9530	9140	[4560]	5860	ND
14		MANGANESE	ND	126	84	90	28	ND
16		NICKEL	ND	ND	ND	[8.1]	[5.5]	ND
17		POTASSIUM	ND	11300	11200	8120	8000	ND
20		SODIUM	[1880]	26100	25400	19000	23800	ND
23		VANADIUM	ND	ND	ND	[13]	ND	ND
24		ZINC	[2.6]	88	96	54	28	ND

SAMPLE TYPE: SPW

SAMPLE NUMBER :	CT-SPW-000	CT-SPW-001	CT-SPW-001A	CT-SPW-002	CT-SPW-003	CT-SPW000C
TRAFFIC REPORT NUMBER :	MB8694	MB8719	MB8720	MB8721	MB8722	
DESCRIPTION:	BLANK	S.P. #1	DUP 001	S.P. #2	S.P. #3	BLANK

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

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Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SPS

SAMPLE NUMBER :	CT-SPS-000	CT-SPS-001	CT-SPS-001A	CT-SPS-002	CT-SPS-003	CT-SPS-004	CT-SPS-005	CT-SPS-006
TRAFFIC REPORT NUMBER :	88451	88450	88452	88453	88454	88455	88456	88457
DESCRIPTION:	BLANK	S.P. 01	DUP 001	S.P. 02	S.P. 03	S.P. 07	S.P. 08	S.P. 09

*** VOLATILES ***

PP	CAS NO	COMPOUND							
44V	75-09-2	METHYLENE CHLORIDE	78R	ND	68R	76R	68R	1100	360BJ	180
	67-64-1	ACETONE	158R	ND	230B	220B	320B	4200	510BJJ	100R
	75-15-0	CARBON DISULFIDE	ND	ND	15	9	38	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	170	ND	9	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	660	ND	16	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	46	11	14	3200	510J	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND	17000	2600J	430
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	420	72BJ	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND	560	560J	50
86V	108-88-3	TOLUENE	ND	46	69	4J	38	280	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	44	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND							
25B	95-50-1	1,2-DICHLOROBENZENE	33J	ND	ND	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	100J	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	66J	15000J	ND	1500J	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND							
65A	108-95-2	PHENOL	200J	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND

SAMPLE TYPE: SPS

SAMPLE NUMBER :		CT-SPS-000	CT-SPS-001	CT-SPS-001A	CT-SPS-002	CT-SPS-003	CT-SPS-004	CT-SPS-005	CT-SPS-006
TRAFFIC REPORT NUMBER :		88451	88450	88452	88453	88454	88455	88456	88457
DESCRIPTION:		BLANK	S.P. #1	DUP 001	S.P. #2	S.P. #3	S.P. #7	S.P. #8	S.P. #9
11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	4633	ND	ND

SAMPLE TYPE: SPS

SAMPLE NUMBER :	CT-SPS-000	CT-SPS-001	CT-SPS-001A	CT-SPS-002	CT-SPS-003	CT-SPS-004	CT-SPS-005	CT-SPS-006
TRAFFIC REPORT NUMBER :	MB8711	MB8710	MB8712	MB8713	MB8714	MB8715	MB8716	MB8717
DESCRIPTION:	BLANK	S.P. 02	DUP 001	S.P. 02	S.P. 03	S.P. 07	S.P. 08	S.P. 09

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	ND	12000	11000	14000	14000	13000	21000	13000
4		BARIUM	ND	ND	ND	ND	ND	ND	300	200
6		CADMIUM	ND	4	ND	4	ND	ND	6	ND
7		CALCIUM	ND	8800	8000	9900	8000	6000	7000	9600
8		CHROMIUM	ND	30	30	30	30	40	60	40
10		COPPER	ND	88J*	140J*	ND	90J	ND	120J	30J
11		IRON	ND	23000	20000	25000	39000	34000	44000	66000
12		LEAD	ND	1500J	1600J	1500J	1200J	990J	2500J	2000J
13		MAGNESIUM	ND	ND	ND	ND	ND	[2000]	[2000]	4000
14		MANGANESE	ND	330J	270J	260J	270J	220J	300J	200J
15		MERCURY	ND	.71	.73	1.1	.86	.22	.87	1.2
16		NICKEL	ND	ND	ND	ND	ND	ND	40	ND
22		TIN	20R	50	ND	ND	ND	ND	ND	ND
23		VANADIUM	ND	50	50	60	50	50	81	64
24		ZINC	ND	190	230	230	310	78	330	94

CTC 001 0613

SAMPLE TYPE: SPS

SAMPLE NUMBER :	CT-SPS-000	CT-SPS-001	CT-SPS-001A	CT-SPS-002	CT-SPS-003	CT-SPS-004	CT-SPS-005	CT-SPS-006
TRAFFIC REPORT NUMBER :	MS8711	MS8710	MS8712	MS8713	MS8714	MS8715	MS8716	MS8717
DESCRIPTION:	BLANK	S.P. 01	DUP 001	S.P. 02	S.P. 03	S.P. 07	S.P. 08	S.P. 09

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

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Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SPS

SAMPLE NUMBER : CT-SPS-007
TRAFFIC REPORT NUMBER : 88468
DESCRIPTION: S.P. 810

*** VOLATILES ***

PP	CAS NO	COMPOUND	
44V	75-09-2	METHYLENE CHLORIDE	160
	67-64-1	ACETONE	500
	75-15-0	CARBON DISULFIDE	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	290
87V	79-01-6	TRICHLOROETHENE	560
	108-10-1	4-METHYL-2-PENTANONE	ND
85V	127-18-4	TETRACHLOROETHENE	53
86V	108-88-3	TOLUENE	ND
	95-47-6	TOTAL XYLENES	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND	
25B	95-50-1	1,2-DICHLOROBENZENE	ND
66B	84-74-2	DI-N-BUTYL PHTHALATE	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1300J

*** ACIDS ***

PP	CAS NO	COMPOUND	
65A	108-95-2	PHENOL	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND

SAMPLE TYPE: SPS

SAMPLE NUMBER :	CT-SPS-007
TRAFFIC REPORT NUMBER :	SS468
DESCRIPTION:	S.P. 810

11097-69	AROCLOR-1254	ND

SAMPLE TYPE: SPS

SAMPLE NUMBER : CT-SPS-007
TRAFFIC REPORT NUMBER : MB8718
DESCRIPTION: S.P. 810

*** INORGANICS ***

PP	CAS NO	COMPOUND	
1		ALUMINUM	11000
4		BARIUM	100
6		CADMIUM	ND
7		CALCIUM	6000
8		CHROMIUM	40
10		COPPER	ND
11		IRON	64000
12		LEAD	1100J
13		MAGNESIUM	ND
14		MANGANESE	220J
15		MERCURY	.48
16		NICKEL	30
22		TIN	ND
23		VANADIUM	50
24		ZINC	65

SAMPLE TYPE: SPS

SAMPLE NUMBER : CT-SPS-007
TRAFFIC REPORT NUMBER : MBB718
DESCRIPTION: S.P. 810

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

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Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: TKN

SAMPLE NUMBER :	CT-TKN-001	CT-TKN-001A	CT-TKN-002	CT-TKNP-003	CT-TKNP000
TRAFFIC REPORT NUMBER :	88446	88446	88447	16619-2	16619-1
DESCRIPTION:	TANK-D	TANK-D	TANK-B	TANK-A	BLANK

*** VOLATILES ***

PP	CAS NO	COMPOUND					
44V	75-09-2	METHYLENE CHLORIDE	1000	950	220	13JB*R	4.5B
	67-64-1	ACETONE	ND	ND	ND	.93BR	.35BR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	.025JBR	.025JBR
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	.025JR	.025J
23V	67-66-3	CHLOROFORM	ND	ND	ND	.025JR	.025J
14H	78-93-3	2-BUTANONE	ND	ND	ND	.063BR	.050JBR
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	.069R	.025J
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	.35	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	.025JR
4V	71-43-2	BENZENE	ND	ND	ND	.049R	.025J
86V	108-88-3	TOLUENE	ND	ND	ND	.29R	2.8J**
38V	100-41-4	ETHYLBENZENE	ND	ND	ND	ND	.5B
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	.41

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND					
66B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	5500JB
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	5400JR	5500J

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

SAMPLE TYPE: TKW

SAMPLE NUMBER :	CT-TKW-001	CT-TKW-001A	CT-TKW-002	CT-TKWP-003	CT-TKWP000
TRAFFIC REPORT NUMBER :	88446	88446	88447	16618-2	16618-1
DESCRIPTION:	TANK-D	TANK-D	TANK-B	TANK-A	BLANK

*** PESTICIDES ***

PP	CAS NO	COMPOUND					
	76-44-8	HEPTACHLOR	ND	ND	.16	ND	ND
	309-00-2	ALDRIN	ND	ND	.20	ND	ND
	12674-11	AROCLOR-1016	ND	ND	ND	820**J	ND
	53469-21	AROCLOR-1242	6.0	5.0	ND	ND	ND

SAMPLE TYPE: TKN

SAMPLE NUMBER :	CT-TKN-001	CT-TKN-001A	CT-TKN-002	CT-TKNP-003	CT-TKNP000
TRAFFIC REPORT NUMBER :	MBB706	MBB708	MBB707		
DESCRIPTION:	TANK-D	TANK-D	TANK-B	TANK-A	BLANK

*** INORGANICS ***

PP	CAS NO	COMPOUND					
1		ALUMINUM	ND	ND	330	ND	ND
4		BARIUM	[14]	[14]	[16]	ND	ND
7		CALCIUM	53600	53600	51200	ND	ND
9		COBALT	ND	ND	[17]	ND	ND
10		COPPER	ND	ND	33	ND	ND
11		IRON	2060	1740	1250	ND	ND
12		LEAD	ND	ND	98	ND	ND
13		MAGNESIUM	[4970]	[4970]	16300	ND	ND
14		MANGANESE	504	507	107	ND	ND
16		NICKEL	ND	ND	72	ND	ND
17		POTASSIUM	8660	8770	36500	ND	ND
20		SODIUM	11400	11200	36700	ND	ND
24		ZINC	ND	[3.2]	63	ND	ND

SAMPLE TYPE: TKN

SAMPLE NUMBER :	CT-TKN-001	CT-TKN-001A	CT-TKN-002	CT-TKNP-003	CT-TKNP000
TRAFFIC REPORT NUMBER :	MBB706	MBB709	MBB707		
DESCRIPTION:	TANK-D	TANK-D	TANK-B	TANK-A	BLANK

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

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Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: TKWP

SAMPLE NUMBER :	CT-TKWP-003	CT-TKWP000
TRAFFIC REPORT NUMBER :	16618-2	16618-1
DESCRIPTION:	TANK-A	BLANK

*** VOLATILES ***

PP	CAS NO	COMPOUND		
44V	75-09-2	METHYLENE CHLORIDE	13JB*R	4.5B
	67-64-1	ACETONE	.63BR	.35BR
	75-15-0	CARBON DISULFIDE	.025JBR	.025JBR
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	.025JR	.025J
23V	67-66-3	CHLOROFORM	.025JR	.025J
14H	78-93-3	2-BUTANONE	.063BR	.050JBR
11V	71-55-6	1,1,1-TRICHLOROETHANE	.069R	.025J
6V	56-23-5	CARBON TETRACHLORIDE	.35	ND
87V	79-01-6	TRICHLOROETHENE	ND	.025JR
4V	71-43-2	BENZENE	.049R	.025J
86V	108-88-3	TOLUENE	.29R	2.8J**
38V	100-41-4	ETHYLBENZENE	ND	.5B
	95-47-6	TOTAL XYLENES	ND	.41

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND		
69B	84-74-2	DI-N-BUTYL PHTHALATE	ND	5500JB
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5400JR	5500J

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

SAMPLE TYPE: TKWP

SAMPLE NUMBER :	CT-TKWP-002	CT-TKWP000
TRAFFIC REPORT NUMBER :	16618-2	16618-1
DESCRIPTION:	TANK-A	BLANK

*** PESTICIDES ***

PP	CAS NO	COMPOUND		
	12674-11	AROCLOR-1016	820**J	ND

SAMPLE TYPE: TKWP

SAMPLE NUMBER :	CT-TKWP-003	CT-TKWP000
TRAFFIC REPORT NUMBER :		
DESCRIPTION:	TANK-A	BLANK

*** INORGANICS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

SAMPLE TYPE: TKWP

SAMPLE NUMBER :	CT-TKWP-003	CT-TKWP000
TRAFFIC REPORT NUMBER :		
DESCRIPTION:	TANK-A	BLANK

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

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Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: TKS

SAMPLE NUMBER :		CT-TKS-001	CT-TKS-001A	CT-TKS-002
TRAFFIC REPORT NUMBER :		88442	88444	88443
DESCRIPTION:		TANK-D	TANK-D	TANK-B
*** VOLATILES ***				
PP	CAS NO	COMPOUND		
44V	75-09-2	METHYLENE CHLORIDE	26000J	220008	140
	67-64-1	ACETONE	13000J	8900J	ND
	75-15-0	CARBON DISULFIDE	ND	ND	500
10V	75-34-3	1,1-DICHLOROETHANE	2200J	2200J	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	190000J	290000	ND
86V	108-88-3	TOLUENE	13000J	16000	140
7V	108-90-7	CHLOROBENZENE	ND	ND	8800
38V	100-41-4	ETHYLBENZENE	2200J	2200J	ND
	95-47-6	TOTAL XYLENES	2200J	2200J	ND
*** BASE/NEUTRALS ***					
PP	CAS NO	COMPOUND		
27B	106-46-7	1,4-DICHLOROBENZENE	10000	ND	ND
25B	95-50-1	1,2-DICHLOROBENZENE	14000	14000J	ND
	106-44-5	4-METHYLPHENOL	120000	86000	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	10000J	11000J	ND
55B	91-20-3	NAPHTHALENE	3400	3600J	ND
84B	129-00-0	PYRENE	ND	18000J	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	280000	120000	40000J
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	36000	ND
*** ACIDS ***					
PP	CAS NO	COMPOUND		

SAMPLE TYPE: TKS

SAMPLE NUMBER :	CT-TKS-001	CT-TKS-001A	CT-TKS-002
TRAFFIC REPORT NUMBER :	88442	88444	88443
DESCRIPTION:	TANK-D	TANK-D	TANK-B

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND			
	53469-21	AROCLOR-1242	2790771	1940426	6163
	12672-29	AROCLOR-1248	ND	ND	16464

SAMPLE TYPE: TKS

SAMPLE NUMBER :		CT-TKS-001	CT-TKS-001A	CT-TKS-002
TRAFFIC REPORT NUMBER :		MBS702	MBS704	MBS703
DESCRIPTION:		TANK-D	TANK-D	TANK-S
*** INORGANICS ***				
PP	CAS NO	COMPOUND		
1		ALUMINUM	7300R	9700R	20000
6		CADMIUM	10	ND	ND
7		CALCIUM	38000	32000	ND
8		CHROMIUM	50R	100R	ND
10		COPPER	830J	690J	1200J
11		IRON	25000R	31000R	56000R
12		LEAD	530JR	290JR	480J
14		MANGANESE	100J	200JR	ND
15		MERCURY	2.9R	2.2R	6
16		NICKEL	ND	200	ND
19		SILVER	50	ND	ND
22		TIN	100	100	1000
24		ZINC	750R	1200R	1700

SAMPLE TYPE: TKS

SAMPLE NUMBER :	CT-TKS-001	CT-TKS-001A	CT-TKS-002
TRAFFIC REPORT NUMBER :	MSS702	MSS704	MSS703
DESCRIPTION:	TANK-D	TANK-D	TANK-S

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-002	CT-SS-003
TRAFFIC REPORT NUMBER :	BA659	BA660
DESCRIPTION:	SL-1	SL-1

*** VOLATILES ***

PP	CAS NO	COMPOUND		
44V	75-09-2	METHYLENE CHLORIDE	20BR	16BR
	67-64-1	ACETONE	49BR	26BR
14H	78-93-3	2-BUTANONE	45BR	37BR
86V	108-88-3	TOLUENE	10BR	10BR

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND		
26B	541-73-1	1,3-DICHLOROBENZENE	ND	660J
	65-85-0	BENZOIC ACID	ND	3200JR
65B	91-20-3	NAPHTHALENE	660J	660J
	106-47-8	4-CHLOROANILINE	660J	ND
	91-57-6	2-METHYLNAPHTHALENE	660J	660J
1B	83-32-9	ACENAPHTHENE	670	660J
	132-64-9	DIBENZOFURAN	660J	660J
80B	86-73-7	FLUORENE	660J	660J
81B	85-01-8	PHENANTHRENE	2000	ND
78B	120-12-7	ANTHRACENE	ND	1400
69B	84-74-2	DI-N-BUTYL PHTHALATE	660BJR	660BJR
39B	206-44-0	FLUORANTHENE	1800	ND
84B	129-00-0	PYRENE	820	660J
72B	56-55-3	BENZO(A)ANTHRACENE	660J	660J
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1200BR	710JBR
76B	218-01-9	CHRYSENE	660J	660J
74B	205-99-2	BENZO(B&K)FLUORANTHENES	660BR/660BR	660BR/660BR

*** ACIDS ***

PP	CAS NO	COMPOUND

SAMPLE TYPE: SS

SAMPLE NUMBER :			CT-SS-002	CT-SS-003
TRAFFIC REPORT NUMBER :			SA669	SA660
DESCRIPTION:			SL-1	SL-1
66A	108-95-2	PHENOL	ND	660JR

*** PESTICIDES ***

PP	CAS NO	COMPOUND		
	11097-69	AROCLOR-1254	80.0J	80.0J

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-002	CT-SS-003
TRAFFIC REPORT NUMBER :	MB0191	MB0689
DESCRIPTION:	SL-1	SL-1

*** INORGANICS ***

PP	CAS NO	COMPOUND		
1		ALUMINUM	43372	47021
2		ANTIMONY	38	[27]
3		ARSENIC	ND	11.4
4		BARIUM	16628	17404
5		BERYLLIUM	3.7	3.9
6		CADMIUM	6.8	6.7
7		CALCIUM	5184	6690
8		CHROMIUM	22	23
9		COBALT	[10]	[9]
10		COPPER	46	43
11		IRON	6487	6896
12		LEAD	127766	132563
13		MAGNESIUM	[2193]	[2238]
14		MANGANESE	113	126
15		MERCURY	.3	.6
17		POTASSIUM	12766	13309
19		SILVER	18.5	17.2
20		SODIUM	3698	3766
23		VANADIUM	[10.0]	[9.4]
24		ZINC	168	146

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-002	CT-SS-003
TRAFFIC REPORT NUMBER :	MB0191	MB0689
DESCRIPTION:	SL-1	SL-1

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
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New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SL

SAMPLE NUMBER :	CT-SL-000	CT-SL-001	CT-SL-001A	CT-SL-002	CT-SL-003	CT-SL-004
TRAFFIC REPORT NUMBER :	89440	89436	89441	89437	89438	89439
DESCRIPTION:	BLANK	SL-5	DUP 001 SL-5	SL-4	SL-2	SL-3

*** VOLATILES ***

PP	CAS NO	COMPOUND					
89V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	180J	ND
44V	75-09-2	METHYLENE CHLORIDE	5JBR	10BR	6JBR	32JBR	370B	12JBR
	67-64-1	ACETONE	10JBR	33BR	89BR	64JBR	340B	ND
	75-15-0	CARBON DISULFIDE	ND	ND	6JR	ND	92J	12JR
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	92J	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	160	92J	12J
23V	67-66-3	CHLOROFORM	ND	ND	6J	32J	ND	ND
14H	78-93-3	2-BUTANONE	ND	380B	49BR	ND	180JR	100R
87V	79-01-6	TRICHLOROETHENE	5JBR	6JBR	6JBR	32JBR	92JB	12JBR
4V	71-43-2	BENZENE	5J	ND	6JR	32J	92J	12JR
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND	12J
88V	108-88-3	TOLUENE	4B	6JR	6JR	32JR	380R	53R
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	790	760
38V	100-41-4	ETHYLBENZENE	ND	ND	ND	ND	92J	12JR
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	92J	18

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND					
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	2400	1400
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	2900	1100
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	1900J	780
	65-85-0	BENZOIC ACID	ND	ND	2800JBR	3200JBR	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	980
55B	91-20-3	NAPHTHALENE	ND	ND	ND	650J	1900J	780J
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	650J	1900J	780J
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	650J	1900J	780J

SAMPLE TYPE: SL

SAMPLE NUMBER :			CT-SL-000	CT-SL-001	CT-SL-001A	CT-SL-002	CT-SL-003	CT-SL-004
TRAFFIC REPORT NUMBER :			88440	88436	88441	88437	88438	88439
DESCRIPTION:			BLANK	SL-5	DUP 001 SL-5	SL-4	SL-2	SL-3
	132-64-9	DIBENZOFURAN	ND	ND	ND	650J	1900J	780J
608	86-73-7	FLUORENE	ND	ND	ND	ND	1900J	ND
618	85-01-8	PHENANTHRENE	ND	ND	ND	650J	3200	1900
788	120-12-7	ANTHRACENE	ND	ND	ND	650J	1900J	ND
658	84-74-2	DI-N-BUTYL PHTHALATE	330JBR	670JBR	670JBR	ND	ND	ND
398	206-44-0	FLUORANTHENE	ND	ND	ND	650J	2700	ND
648	129-00-0	PYRENE	ND	ND	ND	650J	1900J	ND
668	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330JBR	670JBR	670JBR	740BR	87000B	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND						
	72-54-8	4,4'-DDD	ND	ND	120	ND	ND	ND
	12674-11	AROCLOR-1016	ND	ND	ND	14000	10400	ND

SAMPLE TYPE: SL

SAMPLE NUMBER :			CT-SL-000	CT-SL-001	CT-SL-001A	CT-SL-002	CT-SL-003	CT-SL-004
TRAFFIC REPORT NUMBER :			MB8700	MB8696	MB8701	MB8697	MB8698	MB8699
DESCRIPTION:			BLANK	SL-5	DUP 001 SL-5	SL-4	SL-2	SL-3
*** INORGANICS ***								
PP	CAS NO	COMPOUND						
1		ALUMINUM	ND	16254	18871	10863	34907	61312
2		ANTIMONY	ND	ND	ND	ND	ND	76J
3		ARSENIC	12	265J	286J	178J	1713	3905
4		BARIUM	ND	221	249	797	16829	20446
5		BERYLLIUM	ND	ND	ND	ND	ND	5.6
6		CADMIUM	ND	14	ND	12	18	ND
7		CALCIUM	[86]	3284	[4060]	13216	[4984]	[4709]
8		CHROMIUM	ND	28	44	72	56	20
9		COBALT	ND	ND	[26]	ND	ND	ND
10		COPPER	ND	48	59	1004	181	49
11		IRON	[30]	25753	28797	28268	5600	9684
12		LEAD	11	1436	1839	4488	88442	144902
13		MAGNESIUM	ND	4539	4588	[2822]	[1734]	[3688]
14		MANGANESE	ND	529	664	302	106	189
15		MERCURY	ND	0.6J	1.0	0.47	3.6J	1.1J
16		NICKEL	ND	[12]	28	95	ND	ND
17		POTASSIUM	ND	[998]	[1148]	ND	12324	19547
19		SILVER	ND	ND	ND	28J	37J	ND
20		SODIUM	ND	ND	ND	ND	[4472]	[4838]
22		TIN	ND	ND	26J	ND	ND	86J
23		VANADIUM	ND	49	68	[42]	ND	ND
24		ZINC	ND	124	169	1448	279	228

SAMPLE TYPE: SL

SAMPLE NUMBER :	CT-SL-000	CT-SL-001	CT-SL-001A	CT-SL-002	CT-SL-003	CT-SL-004
TRAFFIC REPORT NUMBER :	MB8700	MB8696	MB8701	MB8697	MB8698	MB8699
DESCRIPTION:	BLANK	SL-5	DUP 001 SL-5	SL-4	SL-2	SL-3

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

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Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

B

CTC 001 0639

APPENDIX B

SUBSURFACE INVESTIGATION

CTC 001 0641

DRAFT

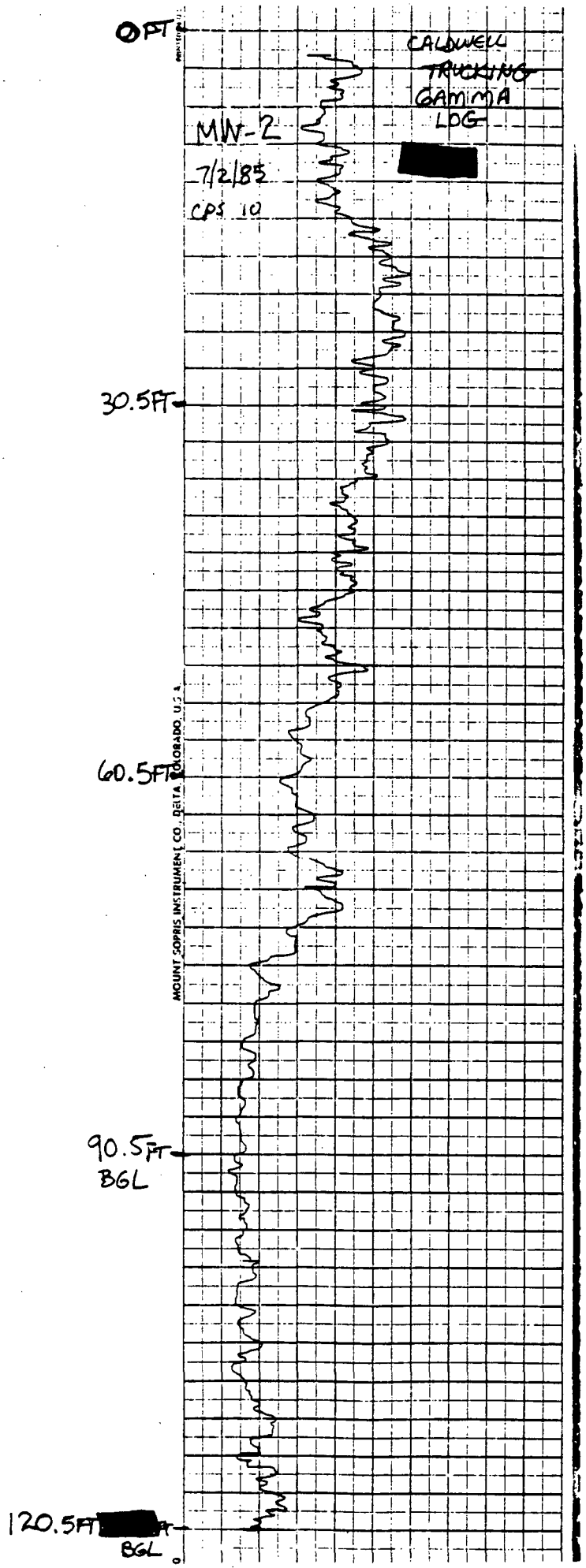
WELL LOGS

CTC 001 0642

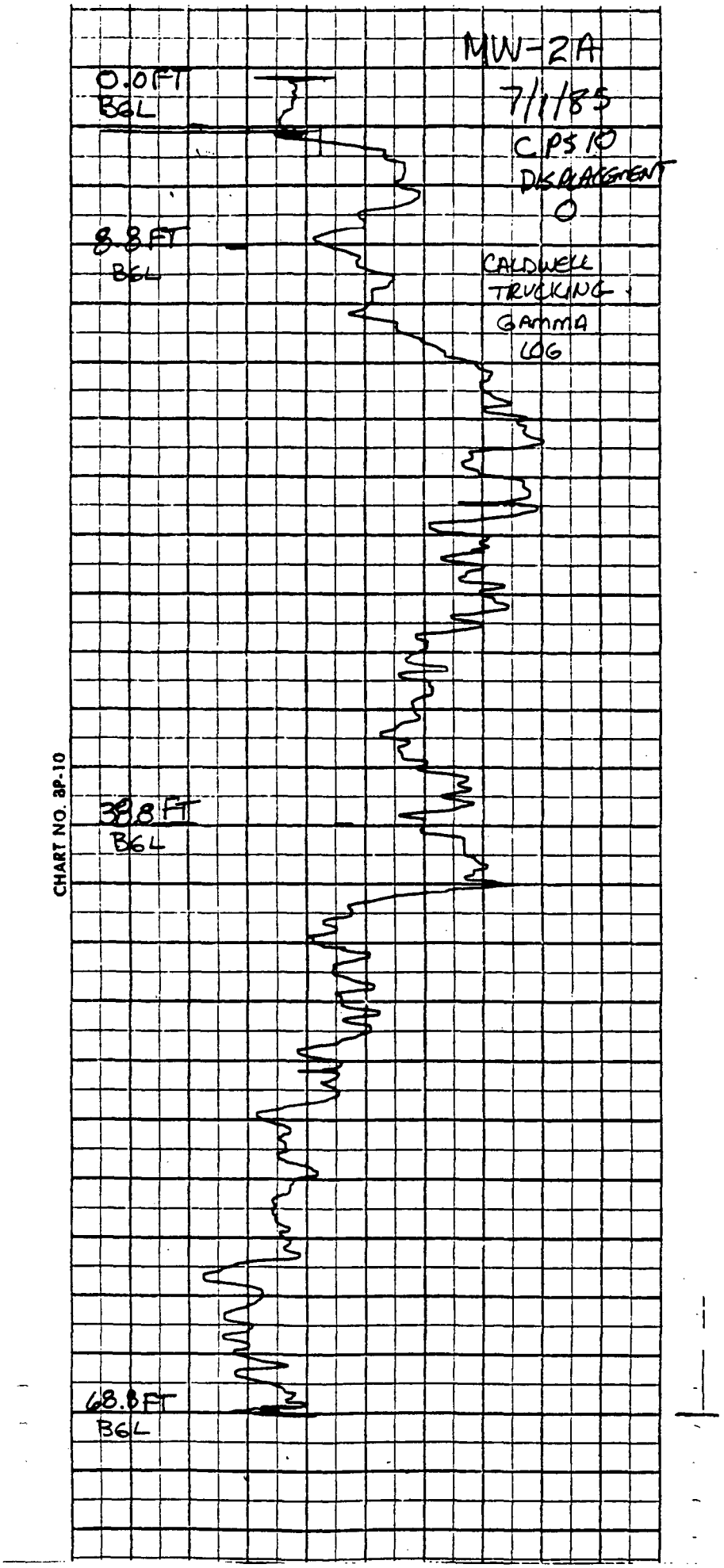
GEOPHYSICAL LOGS

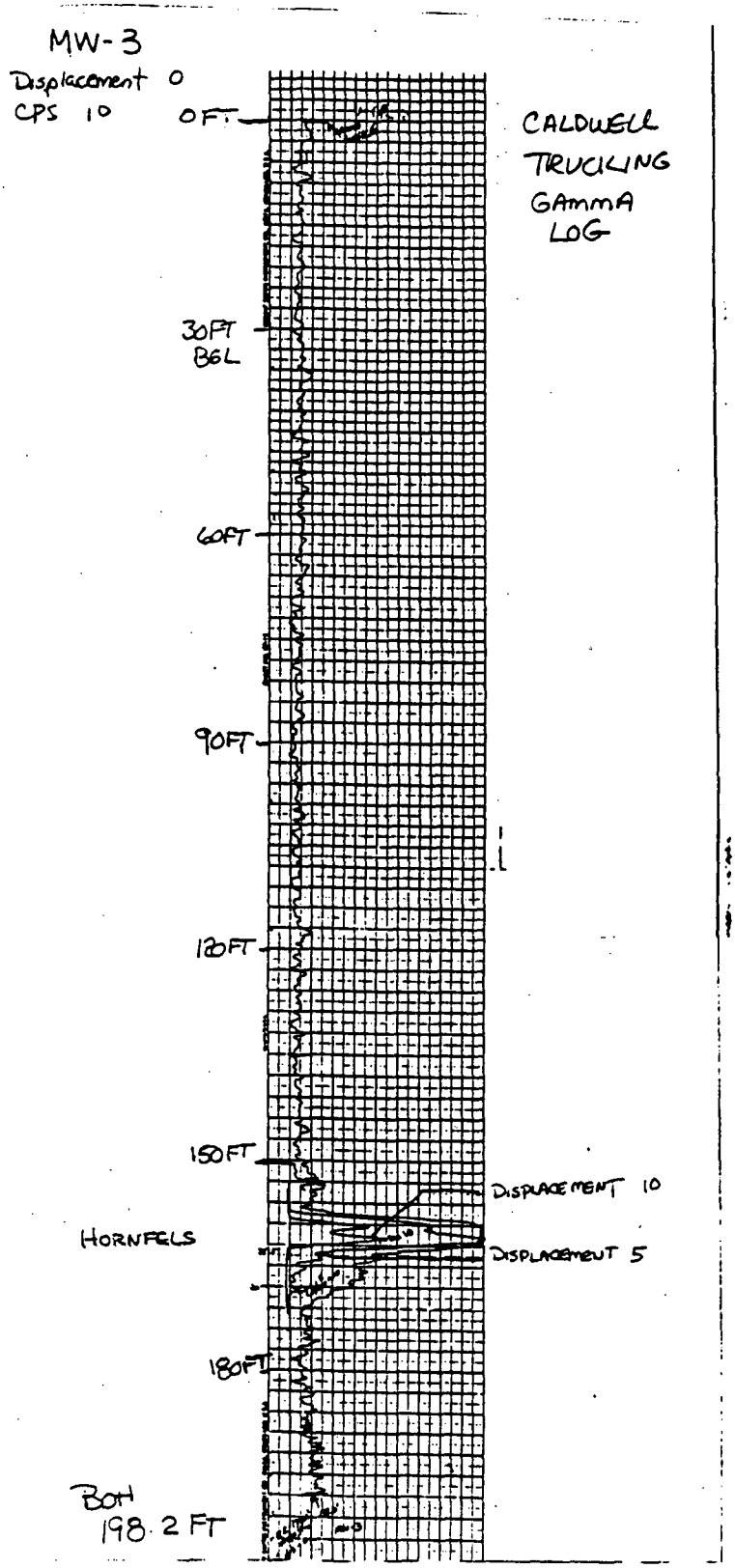
(GAMMA LOG)

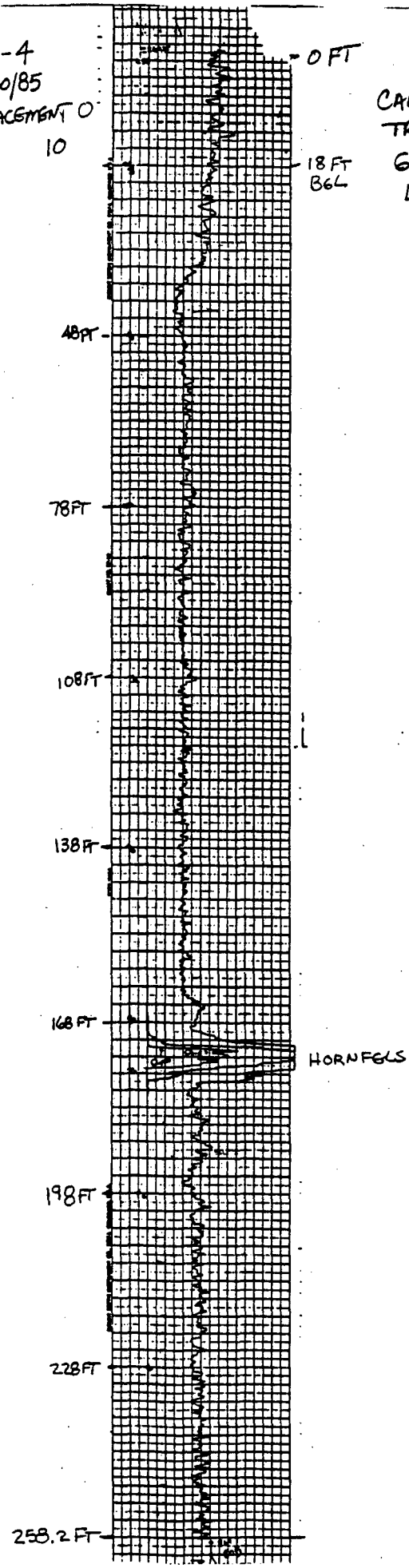
CTC 001 0643

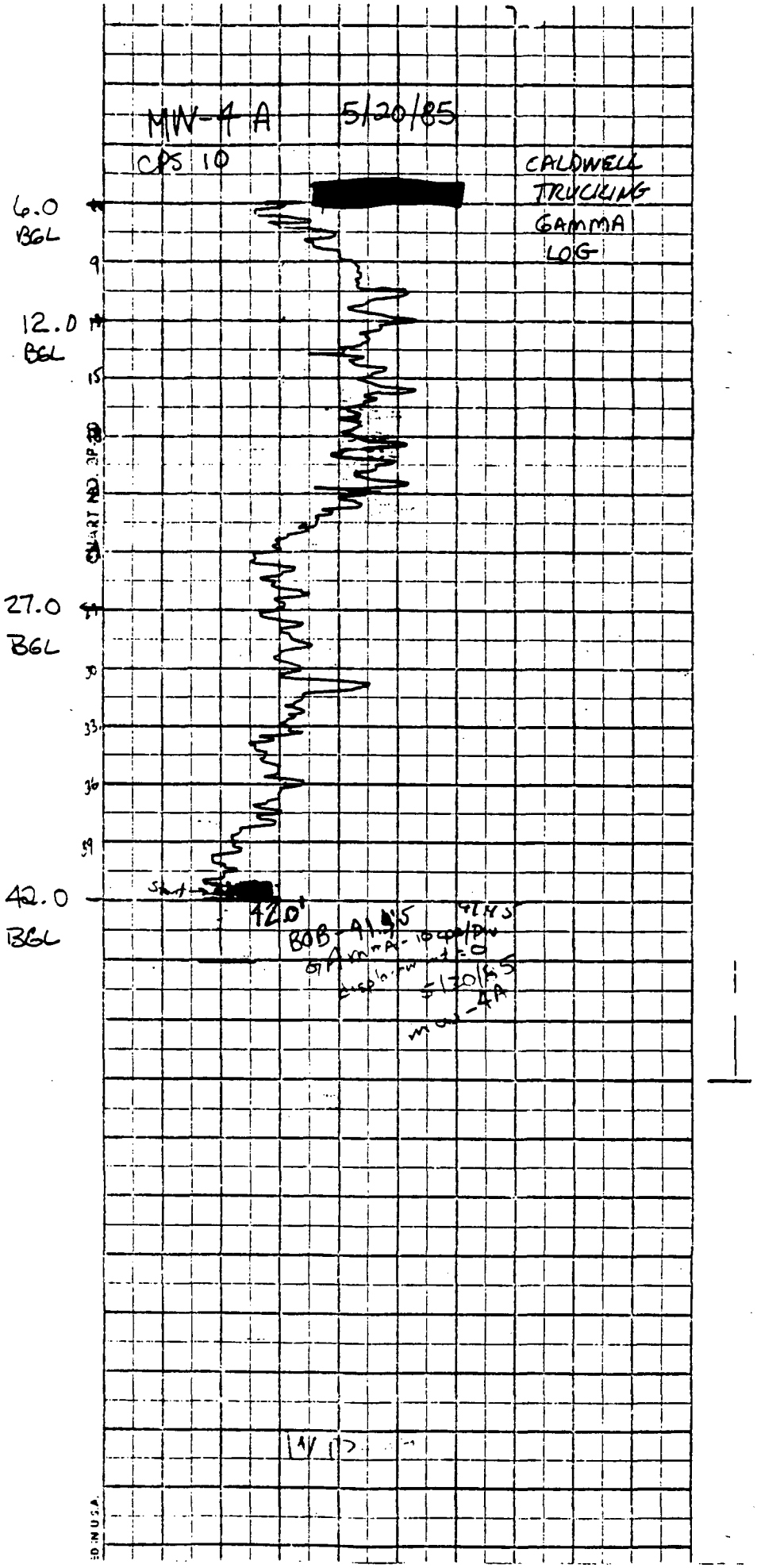

0 FT
CALDWELL
TRUCKING
GAMMA
LOG
MW-2
7/2/85
CPS 10
30.5FT
60.5FT
MOUNT SOPRIS INSTRUMENTS CO., DELTA, COLORADO, U.S.A.
90.5FT
BGL
120.5FT
BGL

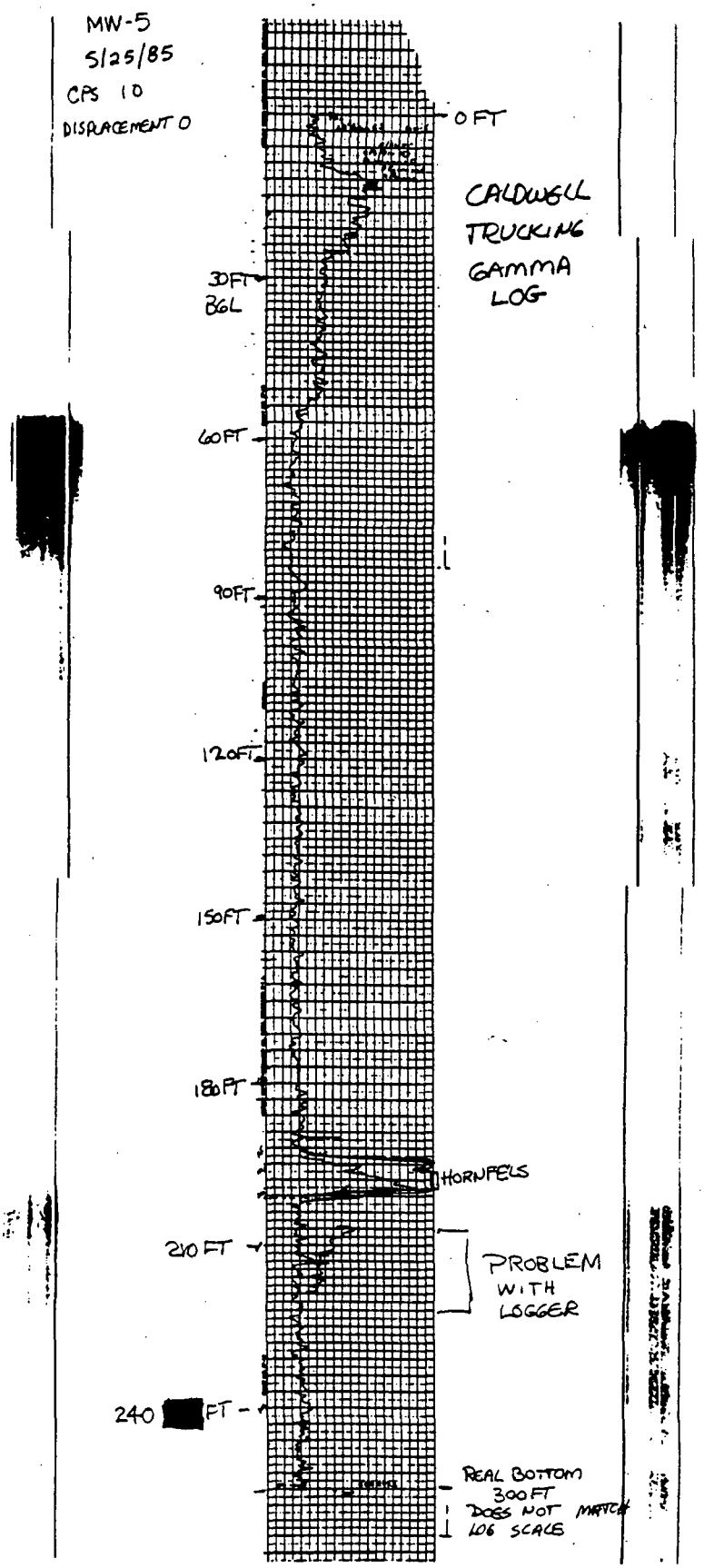
CTC 001 0644

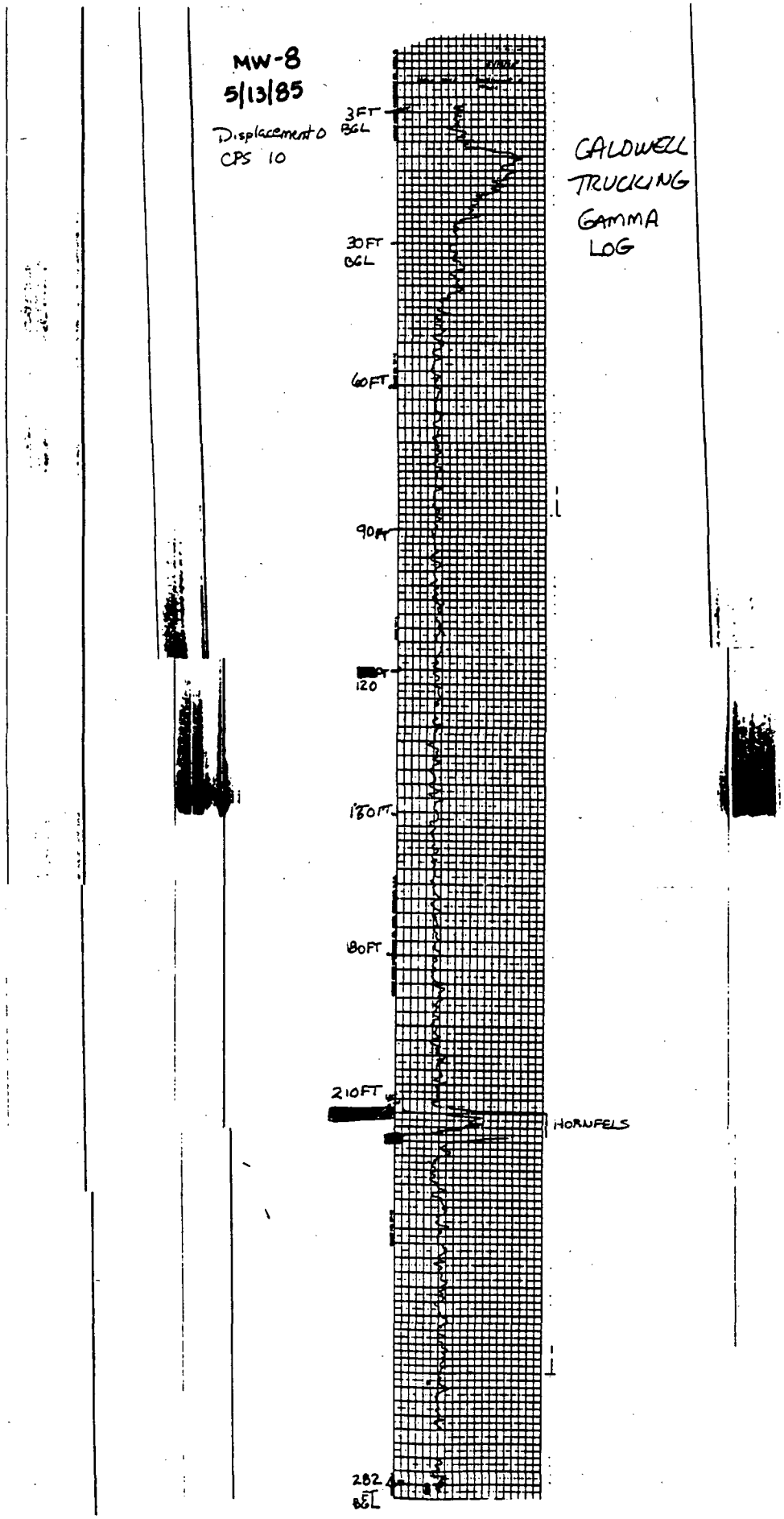

MW-2A
7/1/85
CPS 10
DISPLACEMENT
0
CALDWELL
TRUCKING
GAMMA
LOG
0.0FT
BGL
8.8FT
BGL
38.8FT
BGL
68.8FT
BGL
CHART NO. 8P-10


MW-3
Displacement 0
CPS 10
0 FT
30FT BGL
60FT
90FT
120FT
150FT
180FT
CALDWELL TRUCKING GAMMA LOG
DISPLACEMENT 10
DISPLACEMENT 5
HORNFELS
BOH 198.2 FT


MW-4
5/20/85
DISPLACEMENT 0
CPS 10
0 FT
18 FT BGL
CALDWELL TRUCKING GAMMA LOG
48FT
78FT
108FT
138FT
168FT
HORNFELS
198FT
228FT
258.2 FT


MW-4A 5/20/85
CPS 10
CALDWELL TRUCKING GAMMA LOG
6.0 BGL
12.0 BGL
27.0 BGL
42.0 BGL
9
15
30
33
36
39
42.0'


MW-5
5/25/85
CPS 10
DISPLACEMENT 0
0 FT
CALDWELL
TRUCKING
GAMMA
LOG
30FT
BGL
60FT
90FT
120FT
150FT
180FT
HORNFELS
210 FT
PROBLEM
WITH
LOGGER
240 FT
REAL BOTTOM
300 FT
DOES NOT MATCH
LOG SCALE


MW-8
5/13/85
Displacement 0
CPS 10
3FT BGL
30FT BGL
60FT
90FT
120
180FT
180FT
210FT
HORNFELS
282 BGL
CALDWELL
TRUCKING
GAMMA
LOG

CTC 001 0650

TEST BORINGS

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING B-11
ELEVATION DATE 6/17/85
FIELD GEOLOGIST Paul L Karmozinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0'									
	S- 3.0'	7/5		Damp	Medium Dense	Brown	Sand and Silt	SM	
4.5'	S- 4.5'	13/5							
5	4.5'- 6.0'	9/11		Moist	Medium Dense	Brown	Sand and Silt	SM	
6.0	S- 6.0'-	13/24		Damp	V. Dense	Brown	Sand (Fine Grain) and Silt	SM	
7	7.5'	39							
	S-	20							
	10.5'- 13.0'	28/39		Moist	Very Dense	Brown	Sand; Some Silt	SM	
13.5'	S-	4							
	13.5'- 15.0'	37/37		Moist	Very Dense	Brown	Sand (Medium to Fine Grain)	GM	
							Some Silt and Gravel		
18.0'	S- 18.0'-	17/14		Moist	Dense	Reddish-Brown	Sand (Fine Grain) Some Silt	SM	
19.5' 20.0		18							
22.5'	S-	24							
	22.5'- 24.0'	31/43		Moist	Very Dense	Brown	Sand and Gravel	GP	
25.0									

REMARKS

BORING B-11

*SEE LEGEND ON BACK

PAGE 1 OF

BEDROCK 23.0

CTC 001 0652

NUS CORPORATION
A Halliburton Company

PROJECT Co[illegible] Tr[illegible]
PROJECT NO. 8796 BORING B-11
ELEVATION _____ DATE _____
FIELD GEOLOGIST Paul L Kermazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25.0								
27.0								
27.0	24/38		Moist	Very Dense	Brown	Sand and Gravel		[illegible]
28.0	25/0.[illegible]							[illegible]
30.0								

REMARKS _____

BORING B-11

*SEE LEGEND ON BACK

PAGE [illegible] OF [illegible]

CTC 001 0653

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 1796 BORING B-12
ELEVATION DATE
FIELD GEOLOGIST Paul Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
3.0' S- 3.0'- 4.5'	2/3		Moist	Loose	Brown	Sand, Silt and Gravel	GM	
S- 4.5'- 6.0'	3/15		Moist	Very Dense	Brown	Sand Silt and Gravel	GM	
S- 9.0- 10.5'	18/21		Moist	Very Dense	Brown	Sand Fine to Medium Sand and Silt	SM	
S- 13.5'- 15.0'	32 / 36/48		Wet	Very Dense	Brown	Gravel and Sand Trace Silt	GP	

REMARKS

BORING B-12

*SEE LEGEND ON BACK

PAGE 1 OF

PEDROCK 15.0 FT

CTC 001 0654

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING B-13
ELEVATION DATE
FIELD GEOLOGIST Paul Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0'								
1.5' S-	1/37							
1.5'-3.0'	39/26		Moist	Very Dense	Brown	Sand and Gravel	GW	
3. S- 3.0'-	3/11		Wet	Medium Dense	Brown	Sand and Gravel / Trace Silt	GW	
4.5' S-	17/36							
5. 4.5'-6.0'	28/20		Moist	Dense	Brown	Sand and Gravel, Some Silt	GW	
6.0'								
7' S-	1/2							
7.5'-9.0'	2/2		Wet	Very Loose	Gray-White and Brown	Primarily Sludge with Sand-Silt	—	
9.0'								
10.0'								
11.5' S-	1/50							
16.5'-18.0'	78/90		Moist	Very Dense	Brown	Sand and Gravel, Some Silt	GW	
18.0'								
20.0'								
21.0'								

CTC 001 0655

REMARKS

BORING B-13

*SEE LEGEND ON BACK

PAGE 1 OF

BEDROCK 18.0 FT

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8 796 BORING B-14
ELEVATION DATE 6/20/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0									
3.0'	S- 3.0'- 4.5'	11/9 3/			Medium Dense	Brown-Gray	Sand, Gravel and Silt	S-W	
5.0'									
10.0'									
15.0'	S 13.5'- 14.0'	Sample from Bit			—	Brown-Gray	Sand and Silt Sludge	—	
20							No Recovery from Split Barrel		
25									
							Bott 14.0 FT		
							BEDROCK 14.0 FT		
30									
40									

CTC 001 0656

REMARKS

BORING B-14

*SEE LEGEND ON BACK

PAGE 1 OF

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING B-15
ELEVATION DATE
FIELD GEOLOGIST Paul L Kermezinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0								
5.0	S- 5.0'-	3/3	Moist	Loose	Brown	Sand and Gravel, Some Silt Organics	?	
6.5'	6.5' S-	2/1						
8.	6.5-8.0'	1/1	Moist	Very Loose	Brown	Sand and Gravel, Some Silt Organics	?	
	S- 8.0'-	11/1	Wet	Very Loose	Brown	Sand and Gravel Some Silt, Organics	?	
10	9.5' S-	2/5						
	9.5'-11.0'	7/11	Wet	Medium Dense	Tan-Gray	Sand and Silt	SM	
	S- 11.0'-	1/1	Wet	Very Loose	Tan-Gray and Black	Sand and Clay, Sludge		
13	12.5' S-	1/2						
14.0'	12.5'- 14.0'	9/24	Wet	Dense	Brown	Sand and Gravel, Some Silt	GM	
	S- 14.0'-	30/39	Wet	Very Dense	Brown	Sand and Gravel, Some Silt	GW	
15 15.0'	15.5	>50						
25.0'								

CTC 001 0657

REMARKS

BORING B-15

*SEE LEGEND ON BACK

PAGE 1 OF

BED ROCK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING B-16
ELEVATION DATE 7/2/85
FIELD GEOLOGIST Paul L Karmazinek

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0'								
S-1 3.0'	16/16			Medium Dense		Gravel and Sand No Recovery		
4.5' S-2	14/14							
4.5'	15/12			Medium Dense		Gravel and Sand No Recovery		
S-3	10							
9.5' 11.0'	11/8		Moist	Medium Dense	Grey-Brown	Sand and Gravel, Some Silt	GW	4 ppm
S-4 14.5'/15.0'	25		Moist	Very Dense	Red and Brown	Sand Gravel and Silt	GM	3 ppm
	50/00							
S-5 20.0'	51/108		Moist	Very Dense	Brown	Sand and Silt	SM	
21.5' S-6	130/39							
S-6	90/85		Moist	Very Dense	Brown	Sand and Silt	SM	10 ppm
S-7 30.0'	87/55		Moist	Very Dense	Brown	Sand and Silt	SM	3 ppm
34.5'	143							

CTC 001 0658

REMARKS

BORING B-16

*SEE LEGEND ON BACK

PAGE 1 OF 2

NUS CORPORATION
A Halliburton Company

PROJECT Cardwell Trucking
PROJECT NO. 8796 BORING B-16
ELEVATION DATE 7/2/85
FIELD GEOLOGIST Paul Kornowski

	SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(in)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25'	S-8 24.5-26.0	20/107		Moist	Very Dense	Brown	Sand and Silt	SM	0.[illegible] OVA
	S-9 [illegible]	42/60		Moist	Very Dense	[illegible]	[illegible] Silt	SM	[illegible]
27.5	[illegible]	153							
							Contact Zone		
30'									
32'	S-10 32.5-	65/75		Moist		Brown	Sand, Some Silt	SM	0.[illegible]ppm OVA
35	33.5	143							
							Unconsolidated		
							Consolidated		
							BOB 38'		
50'									

CTC 001 0659

REMARKS

BORING B-16

*SEE LEGEND ON BACK

PAGE 2 OF 2

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING B-17
ELEVATION DATE 7/3/85
FIELD GEOLOGIST Paul Kozmezinski

	SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0'									
							Boulder zone		
							Through entire		
							31'± Overburden		
5'									
10'									
20'									
25'									

REMARKS

BORING B-17

*SEE LEGEND ON BACK

PAGE 1 OF 2

CTC 001 0660

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8396 BORING B-17
ELEVATION DATE 7/3/85
FIELD GEOLOGIST Paul Kamoziski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25								
30'								
31.6-	25/120			Very Dense	Brown	Sand and Gravel	GP	2.5 ppm OVA
32.5'	100%							
						BOB 32.5'		

REMARKS

BORING B-17

*SEE LEGEND ON BACK

PAGE 2 OF 2

CTC 001 0661

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. 8 [illegible] BORING B-1
ELEVATION [illegible] DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO. TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1 [illegible]	1/[illegible]		Moist	[illegible]	Brown	[illegible]	SM	
1.5 [illegible] S-2	[illegible]/15					Trace [illegible]		
1.5 [illegible]	[illegible]/[illegible]		Moist	Dense	[illegible]	[illegible]	SW	Head space [illegible] ppm
S-3 [illegible]	2/[illegible]		Moist	[illegible]	[illegible]	[illegible]	SW	(OVA)
7.5' S-4	1/4							
4.5' 6.0'	4/7		Moist	Medium Dense	Brown	Sand and Gravel Trace Silt	SW	Head space 20 ppm O
S-5	9/1		Wet	V. Loose	Tan-Gray	Sand and [illegible] (Fine Gr[illegible])	SW	Head space 1.5 ppm O
[illegible] S-6	1/5					Trace Silt		
7.5' 9.0'	2/2		Wet	Very Loose	Tan Gray	Sand and Gravel, Some	SW	Head Space 20 ppm
9.0'						Silt		(OVA)
5' [illegible]	5/[illegible]		[illegible]		Tan Gray	[illegible] and Gr[illegible] [illegible] Clay	SW	[illegible]
12.5' [illegible]	2[illegible]							
13.5' 15.0'	13/10		Wet	Medium Dense	Brown	Sand and Gravel Some Silt	SW	
[illegible]	[illegible]		Moist	Dense	Brown	Sand [illegible] Silt [illegible]	SW	
[illegible] S-	[illegible]/23					Gr[illegible]		
16.5' 18.5'	2/32		Moist	Very Dense	Brown	Sand, Some Silt Trace Gravel	SM	

REMARKS

BORING B-1

*SEE LEGEND ON BACK

PAGE 1 OF

CTC 001 0662

BEDROCK
18.0 FT

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING B-2
ELEVATION DATE 6/3/85
FIELD GEOLOGIST Paul L Karmazinak

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1 0.0-			Moist		Brown	Sand and Gravel, Some	SW	
1.5' S-2						Silt		
1.5'- 3.0'			Damp		Brown	Sand and Gravel, to 2.5'	SW	
					Gray	Sand and Gravel to 3.0'		

CTC 001 0663

REMARKS

BORING B-2

*SEE LEGEND ON BACK

PAGE 1 OF 1

BEDROCK
3.0 FT

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING B-3
ELEVATION _____ DATE _____
FIELD GEOLOGIST Paul L Karmazinski / Carol Langan

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]	12/23		Moist	[illegible]	[illegible]		GM	
S-2	2-/6				Brown	Sand and Gravel [illegible]	GM	
15-30"	2/17		Moist	[illegible]		[illegible]		

15'

20'

25'

CTC 001 0664

REMARKS _____

BORING B-3

*SEE LEGEND ON BACK

PAGE 1 OF 1

BEDROCK
3.0 FT

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 1796 BORING B-4
ELEVATION _____ DATE _____
FIELD GEOLOGIST Paul L Karmazinski / Carol Lingmo

SAMPLE NO. TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0' S-1 00-1.5	3/3		Moist	Loose	Tan/Gray	Gravel and Sand,	GW	
S-2	4/8					Trace Silt		
1.5-3.5'	3/43		wet	Very Dense	Brown	Silt and Gravel Sand +	Silt	
5'								
10'								
15'								
20'								
25'								

REMARKS _____

BORING _____

*SEE LEGEND ON BACK

PAGE ____ OF ____

CTC 001 0665

BEDROCK
B-4

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION [illegible] DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO. TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GM	
	[illegible]					[illegible]		
[illegible] 30-34	[illegible]		[illegible]	Very Dense	Brown	[illegible]	GM	
						BOB 4.5'		

CTC 001 0666

REMARKS [illegible]

BORING [illegible]

*SEE LEGEND ON BACK

PAGE ____ OF ____

BEDROCK 4.5 FT

NUS CORPORATION
A Halliburton Company

PROJECT [illegible] Tr[illegible]
PROJECT NO. 8796 BORING B-6
ELEVATION _____ DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1			Dry		Brown	Sandy Clay [illegible]	GCL	
S-								
1.5-[illegible]			Wet		Tan-Gray	Sandy Silt [illegible]	GM	
						Trace Rock Fragments		
						Sand to Pebble size [illegible]		
						Incomplete		
						Consolidated		

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 1 OF 1

CTC 001 0667

NUS CORPORATION
A Halliburton Company

PROJECT Goldwell Trucking
PROJECT NO. 8796 BORING B-7
ELEVATION DATE 6/7/85
FIELD GEOLOGIST Phil L Kermezinski / Carol Lineman

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0' S-1 00-1.5'	13/10		Damp	Medium Dense	Brown	Sand and Gravel,	GW	
	8					Trace Silt		
5' S-5.0-6.5'	8/2		Wet		Tan/Gray	Gravel, Sand, and Silt	GM	
	1					Trace Clay		

CTC 001 0668

REMARKS

BORING B-7

*SEE LEGEND ON BACK

PAGE 1 OF 1

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. $796 BORING B-8
ELEVATION DATE 6/6/85
FIELD GEOLOGIST Paul L Karmazinski/Carol Lineman

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0'								
S-1	23/30		Dry	Very Dense	Brown	Sand and Gravel, Trace	GW	
0.0-1.5'	48/23					Silt		
S-2 1.5'-3.0'	29/35		Dry	Very Dense	"	"	GW	
						Unconsolidated		
						Consolidated		
						Gray, Green, Yellow, Brown		
20'								
25'								

CTC 001 0669

REMARKS

BORING B-8

*SEE LEGEND ON BACK

PAGE 1 OF 1

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION [illegible] DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]	15/27		Dry	Very Dense	Brown	Sand and Gravel Some	SM	
[illegible]	31/50					Silt		
[illegible]	[illegible]		Moist	Very Dense	Brown	Sand and Gravel Some	SM	
[illegible]	7					Silt		
[illegible]	[illegible]		Moist	Dense	Brown	Sand and Gravel, Some	SM	
						Silt		
[illegible]	[illegible]		Dry	Dense	Light Brown	Sand, Some Silt	SM	
[illegible]	32/15				Brown	Sand and Gravel Trace	GW	
[illegible]	[illegible]		Moist	Very Dense		Silt		
[illegible]	35/[illegible]		Moist	Dense	Brown	Sand Fine Gravel Some Silt	SM	
[illegible]	27/[illegible]							
[illegible]	[illegible]		Moist	Very Dense	Brown	Sand Fine Gravel Some Silt	SM	
[illegible]	[illegible]		Moist	Very Dense	Brown	Sand Fine Gravel Some Silt	SM	
[illegible]	32/14							
[illegible]	32/31		Moist	Very Dense	Brown	Sand Fine Gravel Some Silt	SM	
[illegible]	30/31		Moist	Very Dense	Brown	Sand Fine Gravel Some Silt	SM	
[illegible]	[illegible]							
[illegible]	[illegible]		Moist	Very Dense	Brown	[illegible]	SM	
[illegible]	[illegible]		Moist					
[illegible]	[illegible]			Very Dense	Brown	Sand Fine Gravel Some Silt	SM	
[illegible]	[illegible]/63		Moist	Very Dense	Brown	Sand Fine Gravel [illegible]	SM	
[illegible]	45/[illegible]		Moist	Very Dense	Brown	Fine Sand and Gravel Trace Silt	GW	
[illegible]	[illegible]							
[illegible]	[illegible]		Dry	Dense	Brown	Sand [illegible]	SW	

CTC 001 0670

REMARKS

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 1 OF

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION [illegible] DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]	[illegible]		Dry	Dense	Brown	Sand Some [illegible]	SM	
[illegible]	[illegible]					[illegible] Gravel		
[illegible]	[illegible]		moist		Brown	Sand	SW	
[illegible]	[illegible]		wet	Very Dense	Brown	Sand [illegible]	SW	
						Gravel Some [illegible]		

CTC 001 0671

REMARKS [illegible]

BORING [illegible]

*SEE LEGEND ON BACK

PAGE [illegible] OF [illegible]

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Track
PROJECT NO. 4296 BORING R-10
ELEVATION DATE 6/12/85
FIELD GEOLOGIST R. L. Karmozin / Carl Lawson

SAMPLE NO. TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1	37/35		Moist	Dense	Brown	Sand and Gravel Some	SW	
S-2	17/					Silt		
15-3.5'	11/18		Moist	Medium Dense	Brown	Sand Some Clay, Mottled	SC	
3	5/6		Wet	Loose	Brown/Gray	Sand and Gravel, Some Silt	GW	
	4							
	18							
[illegible]	16/23		Moist	Dense	Gray	Sand and Gravel Some Clay	SW	
S [illegible]	21/[illegible]		Wet	Dense	[illegible]	Sand Fine to Medium Trace	SM	
[illegible]	[illegible]/[illegible]					Silt		
[illegible]	[illegible]/[illegible]		Wet	Dense	Brown	Sand Med Gravel Trace Silt	SP	
[illegible]	25/24		Wet	Very Dense	Brown	Sand, Some Silt	SM	
	10					Trace Gravel		
						Black to Gray Fragments		
[illegible]	[illegible]/[illegible]		Moist	Very Dense	Brown	Sand and Gravel	GW	
	[illegible]/[illegible]							
	[illegible]		Damp	Dense	Brown	Sand and Gravel some Silt	SW	

CTC 001 0672

REMARKS

BORING R-10

*SEE LEGEND ON BACK

PAGE 1 OF

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING B-18
ELEVATION DATE 7-9-85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0								
					GRAY BROWN	FINE AND MEDIUM SAND	(SM)	OVA 0.0 PPM
						SOME SILT, TRACE TO LITTLE		
						GRAVEL		
S-1								
5-6.5'	12-12-13/0	1.0 FT	DAMP TO MOIST	MEDIUM DENSE	GRAY BROWN TO BROWN	FINE AND MEDIUM SAND, LITTLE	(SM)	GRAVEL IN SPLIT BARREL
						SILT, TRACE GRAVEL		OVA 0.0 PPM
								1-2 PPM IN CASIN
								OVA 1-2PPM IN CA
S-2								
5.0	50/0	NO REC			GRAY	COARSE GRAVEL AND	(GP)	10 ppm IN
						BOULDERS		CASING
								CUTTINGS
								5-8ppm
								OVA
S-3								
15.0	35/0	NO REC			GRAY	COARSE GRAVEL AND	(GP)	15-20 ppm
						BOULDERS		IN CASING
20.0								

REMARKS
15-29 FT PROBLEM WITH GRAVEL AND BOULDERS BORING B-18
CAVING IN HOLE. COULD NOT TAKE SPLIT-BARREL
SAMPLES

*SEE LEGEND ON BACK

PAGE 1 OF 2

CTC 001 0673

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING B-18
ELEVATION DATE 7-10-85 7-11-85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
20.0								
								15-20ppm IN CASING-OVA
					GRAY	COARSE GRAVEL AND BOULDERS	(GP)	
29.0								
S-4								
30-31.0	15-35-25	*1.0FT	MOIST	DENSE TO V. DENSE	BROWN GRAY	FINE TO COARSE SAND TRACE TO LITTLE FINE GRAVEL, TRACE TO LITTLE SILT	(SM-SP)	15-30ppm IN CASING
						34.0FT BASALT BEDROCK		
						BOH 35.5		

REMARKS * GRAVEL PLUGGED BARREL - MOVED AROUND IN HOLE TO GET SAMPLE.
SLOW INITIAL DRILLING BECAUSE OF BOULDERS

BORING B-18

*SEE LEGEND ON BACK

PAGE 2 OF 2

CTC 001 0674

GLACIAL SEDIMENT
BORINGS

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 5296 BORING MW-1A
ELEVATION DATE 5/28/85
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1 0-1.5'	5/7		Moist	Medium Dense	Blue Gray	Gravel and Sand,	GW	
	8					Trace Silt		
5'								
S-2								
5'	1/		Moist	Dense	Gray	Sand, Some Silt, Tr	SM	H
	1/					Gr		10pm (Co2)
						20		
S-3								
			Moist			Clay Silt	CL	H

REMARKS

BORING MW-1A

SEE LEGEND ON BACK

PAGE 1 OF

CTC 001 0676

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-1A
ELEVATION _____ DATE 5/30/[illegible]
FIELD GEOLOGIST Paul L Kormanik

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25'								
30' S-4								
30.0-31.			Moist		T[illegible]	Clay, Some Silt	CL	
31.5'					[illegible]	Slight Reddish hue to		
32.0'						32.0'		
40' S-5								
40.0-41.			Moist		[illegible]	Sand, Some Silt	SM	H[illegible]
						Quartz		[illegible]
						Gravel and Boulders to 45.0'		
45'								
50'								

REMARKS _____

BORING MW-1A

*SEE LEGEND ON BACK

PAGE 2 OF _____

CTC 001 0677

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]	[illegible]		wet	VD	[illegible]	Silt [illegible]	M	
[illegible]	[illegible]					and Gravel, T[illegible]		
						R[illegible] T[illegible]		
						E[illegible] to 60'		
						BOB 60'		

CTC 001 0678

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 3 OF _____

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		

CTC 001 0679

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 1 OF _____

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Tank
PROJECT NO. 8276 BORING [illegible]
ELEVATION DATE 5/1/85
FIELD GEOLOGIST Paul Kornbrek

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		

CTC 001 0680

REMARKS

BORING [illegible]

* LEGEND ON BACK

PAGE 2 OF

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8776 BORING [illegible]
ELEVATION _____ DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-7	70/40		Wet			Sand and Clay [illegible]	SC	
	40					Gravel		
S-8	9/4.7		Wet	V. Dense	Brown	Sand [illegible]	SW	Hollow Stem
70-11	85					Trace Silt, Gravel [illegible]		(D/A)

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 1 OF _____

CTC 001 0681

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING MW-3A
ELEVATION [illegible] DATE 3/27/[illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	SM	[illegible]
	12			[illegible]		[illegible]		[illegible]
S-2								
[illegible]	15/32		Moist	Very Dense	Brown	Sand [illegible] Silt	SM	[illegible]
	34					Clayey sand		[illegible]
S-3								[illegible]
	[illegible]		Moist	Very Dense		Gravel and sand, [illegible]	GM	[illegible]
						silt		[illegible]

REMARKS [illegible]

*SEE LEGEND ON BACK

CTC 001 0682

BORING MW-3A

PAGE 1 OF 2

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. 8776 BORING MW-[illegible]
ELEVATION DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-4			Moist		Brn	Sandy Gravel	GM	[illegible]
[illegible]						Some Silt		[illegible]
						Boulder Zone		
						and Sand from 35.0'		
						BOB 39.7'		

CTC 001 0683

REMARKS

BORING MW-3A

*SEE LEGEND ON BACK

PAGE 1 OF [illegible]

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING MW-4A
ELEVATION _____ DATE _____
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1	23/17		Damp	[illegible]	Brown	[illegible]	SM	
0.5'-2'	21/35			[illegible]		[illegible]		
-2	14/15		Moist		Brown	Silt, Some Sand & [illegible] G	ML	
[illegible]	10/13					Microscopic		
						15'-22' Boulder Zone		
			Moist		Reddish	Sand and Gravel	GM	H[illegible]
					Brown	Some Silt, M[illegible]		O[illegible]

REMARKS _____

BORING MW-4A

*SEE LEGEND ON BACK

PAGE 1 OF 2

CTC 001 0684

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION [illegible] DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]			[illegible]		[illegible]	Sand and Gravel	GM	
					[illegible]	Trace Silt in [illegible]		
						Sand and Gravel		
						Sand and Gravel		
						to 40'		
						40.8' - 44'		
						Sand		
						BOB 44'		

CTC 001 0685

REMARKS [illegible]

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 2 OF 2

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trail
PROJECT NO. 4276 BORING [illegible]
ELEVATION _____ DATE 5/8/[illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1	3/8		Damp		Brown	Silt [illegible]	ML	
[illegible]						[illegible] Micaceous		
S-8					R	[illegible]	GP	
[illegible]						Tan Silt		
18'								
S-[illegible]	5/9		Damp		Tan	Clay [illegible]	CL	[illegible]
[illegible]	[illegible]			Hard		[illegible]		[illegible]
22'								
						23'-25' Fine Sand Layer		

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 1 OF 4

CTC 001 0686

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-4	3/4			Stiff	Tan	Clay Some F[illegible]	CL	
[illegible]	2/3			[illegible]	Gray	[illegible] Sand, M[illegible]		
[illegible]								
[illegible]	6/1[illegible]				Brown	[illegible] Sand F[illegible]	SM	
[illegible]	1[illegible]		Wet	Dense		Silt, M[illegible]		
						44'-47' Cobble Zone		

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 2 OF 4

CTC 001 0687

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION [illegible] DATE [illegible]
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-6	5/4		Wet		Brown	Sand F[illegible]	SP	[illegible]
	4/3					[illegible] T[illegible]		[illegible]
S-7	5/5		Wet	Loose	Gray	Sand [illegible]	SP	
	5					Brown, Some Gravel		
S-8	[illegible]/31		Wet	Very Dense	G[illegible]	S[illegible]	SW	
	[illegible]					Silt		
						G[illegible]		
						22'-26' Cobble-Gravel		
						Zone		

REMARKS

BORING [illegible]

*SEE LEGEND ON BACK

PAGE [illegible] OF [illegible]

CTC 001 0688

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING MW-5A
ELEVATION DATE 5/8/85
FIELD GEOLOGIST P Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
75'								
76						BOR 76'		

CTC 001 0689

REMARKS

BORING MW-5A

*SEE LEGEND ON BACK

PAGE 4 OF 4

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking 8796
PROJECT NO. 8796 BORING MW 6A
ELEVATION DATE 3/23/85
FIELD GEOLOGIST Paul L Kamazinski

* 2" I.D. Split Barrel Sampler

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-1 0.0'	26/31	1.1'/1.5'	Damp	Hard	Brown	Sandy Silt and Gravel, trace	ML	
1.5'	22					Clay		
5.0'								
S-2 10.0'								
10.0'-11.5'	12/16	1.2'/1.5'	Damp	Hard	Brown	Clayey Silt and Gravel,	ML	
	39					Some sand		
15'								
S-3 20.0'								
20.0'-21.5'	17/18	1.1'/1.5'	moist	Dense	Dark	Silty Sand	SM	
	20							

CTC 001 0690

REMARKS

BORING MW-6A

*SEE LEGEND ON BACK

PAGE 1 OF 2

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING MW-6A
ELEVATION DATE 3/23/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25.0									
30	S-4								
	30.0-31.5	40/40	1.5/1.5'	moist	V Dense	Gray	Silty Sand	Sm	
		60			Hard	Green/Brown	Gray Brown Clayey Silt, Sand and Gravel	CL	
	S-5								
35	40.0'-	124/0.2'	0.2/0.2'						
	40.2'								
							39.2' - 40' Clay lense		
							Flow - 1-2 GPM for 10 minutes		
40	S-5								
	40.0'-40.2'	124/0.2'	0.2/0.25	moist	V. Dense	Brown	Silty Sand and Rock Fragments	CL	
							40.2' - BOB		
							Boulders & Cobbles with Clayey sand silts		
45.0							BOB 40.2'		
50	BOB								

CTC 001 0691

REMARKS

BORING MW-6A

*SEE LEGEND ON BACK

PAGE 2 OF 2

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. #296 BORING P-1
ELEVATION DATE 4/16/85
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0					Brown	Silty Sand		
					Brown	Silty Sand		
					Brown	Silty Sand		
5'					Gray	Silty 11.5' Trace Silt		
						[illegible]		
						[illegible]		
						[illegible]		
15'						11.5' to 50'		
25								
30'								

CTC 001 0692

REMARKS

BORING P-1

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING P-1
ELEVATION DATE 4/16/89
FIELD GEOLOGIST Paul L Kormoczi

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (in)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
						Same as Above		

CTC 001 0693

REMARKS

BORING P-1

SEE LEGEND ON BACK

PAGE 2 OF 3

NUS CORPORATION
A Halliburton Company

PROJECT Calhoun Trucking
PROJECT NO. 3796 BORING P-1
ELEVATION DATE 4/16/85
FIELD GEOLOGIST Paul L Kormezak

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
50						Gravel and Cobble		
						zone with some silty		
						Clay		
54								
						BOB 54'		

REMARKS

BORING P-1

*SEE LEGEND ON BACK

PAGE 3 OF 3

CTC 001 0694

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 4796 BORING P-1A
ELEVATION DATE 7/16/95
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0					Brown	Silty Sand		
5'					Brown	Silty Sand		
10'					Brown	Silty Sand		
11.5'						BOB 11.5'		

CTC 001 0695

REMARKS

BORING P-1

*SEE LEGEND ON BACK

PAGE 1 OF 1

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING P2
ELEVATION DATE 4/8/85
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0'					Brown	Silty Sand		
5'					Brown	Silty Sand and gravel		
12'					Brown			
					Gray	Clay, Trace silt minor sand and gravel lenses too thin to be identified stratigraphically		
20'								
25								

REMARKS

BORING P2

CTC 001 0696

*SEE LEGEND ON BACK

PAGE 1 OF 3

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. $ 786 BORING P-2
ELEVATION DATE 4/9/85
FIELD GEOLOGIST Paul L Kermoziatis

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25							same above		
3'									
4'									
45									
50'									

REMARKS

BORING P-2

*SEE LEGEND ON BACK

PAGE 2 OF 3

CTC 001 0697

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING P2
ELEVATION DATE 4/8/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
50							50'-53' Reddish Brown		
							silty Clay		
55'									
60'									
65							Gravel to Cobbles with		
							silty Clay		
65							Highly Weathered		
							Blue Gray Basalt		
							BOB 65'		
70'									

CTC 001 0698

REMARKS

BORING P2

SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8756 BORING P2A
ELEVATION DATE 4/12/85
FIELD GEOLOGIST Paul Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0'					Brown	Silty Sand		
5'					Brown	Silty Sand		
					Brown	Silty Sand		
10'					Gray	Clay		
						BCB App 14'		

CTC 001 0699

REMARKS

BORING P2A

*SEE LEGEND ON BACK

PAGE 1 OF 1

BEDROCK
BORINGS

CTC 001 0700

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-1
ELEVATION DATE 4/15/85
FIELD GEOLOGIST Paul L Kornowski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION *		

CTC 001 0701

REMARKS

BORING MW-1

*SEE LEGEND ON BACK

PAGE 1 OF 1

* For [illegible] zone [illegible] from mud rotary drilling
Not [illegible] for [illegible] from split barrel samples

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING MW-1
ELEVATION _____ DATE _____
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		

CTC 001 0702

REMARKS _____

BORING MW-1

*SEE LEGEND ON BACK

PAGE 8 OF 5

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 4796 BORING MW-1
ELEVATION DATE
FIELD GEOLOGIST Paul L Karnowski

SAMPLE NO. TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
55'								
55					Black	Basalt Some Red Shale, Siltstone cuttings		
5-2								
60'					Black	Basalt Some Red Shale, siltstone cuttings		
5-3								
65'					Black	Basalt. Some Red Shale Siltstone cuttings		
5-4								
70'					Black	Basalt, Porphyritic		
75'								

CTC 001 0703

REMARKS

BORING MW-1

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 4256 BORING MW-1
ELEVATION DATE
FIELD GEOLOGIST Paul L Kozowski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-5					Black	Basalt Porphyritic		
75.6'								
S-6					Black	Basalt Porphyritic		
80.5'								
S-7					Black	Basalt		
85.5'								
S-8					Blue-Gray	Basalt Chips more Rounded		
90.5'						(Less Angular) Possibly Softer		
S-9					Black	Basalt Harder (more Angular)		
95.5'						cuttings		

CTC 001 0704

REMARKS

BORING MW-1

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING MW-1
ELEVATION DATE
FIELD GEOLOGIST Paul L Kornazink

SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-10					Black	Basalt		
100.0'								
S-11					Black	Basalt		
105.0								
S-12					Black	Basalt Approximately		
110.0'						2 GPM at 110' Fracture		

CTC 001 0705

REMARKS

BORING MW-1

SEE LEGEND ON BACK

PAGE 5 OF 5

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-2
ELEVATION DATE 4/5/85
FIELD GEOLOGIST Paul Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		

CTC 001 0706

REMARKS

BORING MW 2

*SEE LEGEND ON BACK

PAGE 1 OF 5

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-2
ELEVATION DATE 4/5/95
FIELD GEOLOGIST Paul L Kermazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		
25'								
7.5'								
5'								
10'								
45'								
50'								

CTC 001 0707

REMARKS

BORING MW-2

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8-756 BORING MW-2
ELEVATION DATE 4/5/85
FIELD GEOLOGIST Paul L Kozmazinski

SAMPLE TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		

CTC 001 0708

REMARKS

BORING MW-2

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-2
ELEVATION DATE 4/5/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
75.0'									
500'									
550									
9 0	S-1					Black	Basalt		
	900'								
9 5'	S-2					Black	Basalt		
	95.0								
1000									

CTC 001 0709

REMARKS

BORING MW-2

*SEE LEGEND ON BACK

PAGE 4 OF 5

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW 2
ELEVATION DATE 4/5/95
FIELD GEOLOGIST Paul L Kormanski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
100.0' S-3					Blue-Gray	Basalt Weathered, Softer,		
100.0'						Cuttings, less Angular		
10[illegible] S-4					Blue-Gray	Basalt Same as S-3 only		
105.0'						Harder (more angular cuttings)		
S-5					Blue-Black	Basalt		
110.0'								
115.0' S-6					Blue-Black	Basalt		
115.0'								
120.0' S-7					Blue-Gray	Vesicular Basalt		
120.0								
125.0'								

CTC 001 0710

REMARKS

BORING MW-2

*SEE LEGEND ON BACK

PAGE 5 OF 5

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. $796 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
						Sand and Gravel Trace Silt		
3.5'						Unconsolidated consolidated		
5.0'								
S-1					Black	Basalt		
15.0'								
S-2					Black	Basalt		
20.0'								

CTC 001 0711

REMARKS

BORING MW-3

SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH(ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
20.0	S-3					Black	Basalt		
	25.0'								
30.0	S-4					Black	Basalt		
	30.0'								
	S-5					Black	Basalt		
	35.0'								
40.0	S-6					Black	Basalt		
	40.0'								
						Gray Black	Basalt slightly softer more weathered and broken than above		
45.0	S-7								
	45.0'								
50.0									

CTC 001 0712

REMARKS

BORING MW-3

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 5796 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
50.0'	S-8					Gray Black	Basalt Same as S-7		
	50.0'								
55.0'									
57.0'	S-9					Black	Basalt Hard, Massive		
	57.0'								
	S-10					Gray Black	Basalt Cement softer than above, more fresh rounded cuttings		
	60.0'								
	S-11					Gray Black	Basalt Same as S-10		
	65.0'								
70.0'	S-12					Gray Black	Basalt Same as S-10		
	70.0'								
75.0'									

CTC 001 0713

REMARKS

BORING MW-3

*SEE LEGEND ON BACK

PAGE 3 OF 3

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
75.0'	S-13					Gray-Black	Basalt Somewhat Harder		
	75.6'						than S-12		
80.0'	S-14					Gray-Black	Basalt		
	80.0'								
85.0'	S-15					Gray-Black	Basalt		
	85.0.								
90.0'	S-16					Gray-Black	Basalt		
	90.0								
95.0'	S-17					Black	Basalt Hard Massive		
	95.0								
100.0'									

CTC 001 0714

REMARKS

BORING MW-3

*SEE LEGEND ON BACK

PAGE 4 OF 9

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
100.0'	S-18					Black	Basalt Softer		
	100'								
05.0'	S-19					Black	Basalt		
	105.0								
10.0'	S-20					Black	Basalt		
	110.0'								
15.0'	S-21					Black	Basalt		
	115'								
120.0'	S-22					Black	Basalt		
	120.0'								
125.0'									

CTC 001 0715

REMARKS

BORING MW-3

*SEE LEGEND ON BACK

PAGE 5 OF 9

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
125.0'	S-23					Black	Basalt		
	125.0'								
130.0'	S-24					Black	Basalt		
	130.0'								
135.0'	S-25					Black	Basalt		
	135.0'								
140.0'	S-26					Black	Basalt		
	140.0'								
145.0'	S-26					Black	Basalt		
	145.0'								
150.0'									

CTC 001 0716

REMARKS

BORING MW-3

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Kormazinski

	SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
150'	S-27					Black	Basalt		
	150.0								
155'	S-28					Black	Basalt		
	155.0'								
160.0'	S-29					Red	Shaley Siltstone		
	160.0						Chert fels		
							- 155' - 162.5		
165.0'	S-30					Red	Shaley Siltstone (Hornfels)		
	165.0'								
170'	S-31					Green	Basalt Vesicular		
	170.0'					Gray	Vesicle Increased significantly		
							softer than overlying Basalt		
175'									

CTC 001 0717

REMARKS

BORING MW-3

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8296 BORING MW-3
ELEVATION DATE 3/21/85
FIELD GEOLOGIST Paul L Kormczinski

	SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
175.0'	S-32					Green	Basalt Vesicular		
	175.0					Gray			
180.0'	S-33					Green	Basalt, Vesicular		
	180.0					Gray			
185.0'									
190.0'									
195.0'									
200.0'							DOB Approx 200'		

CTC 001 0718

REMARKS

BORING MW-3

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. 1796 BORING [illegible]
ELEVATION DATE
FIELD GEOLOGIST P. Kiemczinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		

CTC 001 0719

REMARKS

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 1 OF 11

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. 3796 BORING MW-4
ELEVATION ______ DATE ______
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE* & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* — SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]					Gray	[illegible]		
450 [illegible]					Blue			

CTC 001 0720

REMARKS ______

BORING MW-4

*SEE LEGEND ON BACK

PAGE [illegible] OF [illegible]

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE _____
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]					Black	Basalt [illegible]		
[illegible]								
[illegible]					Black	Basalt [illegible]		
[illegible]								
						[illegible]		
						(Rock [illegible])		
[illegible]					Black	[illegible]		

CTC 001 0721

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 3 OF 11

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucks
PROJECT NO. 3746 BORING MW-4
ELEVATION _____ DATE _____
FIELD GEOLOGIST P. Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-5					Gray	Yellow-Brown Silt		
30					Gray	Yield approx. 30 GPM		
						@ 76.0-30.0'		
						(Driller Estimate)		
S-6					Gray	Rock - Massive		

CTC 001 0722

REMARKS _____

BORING _____

*SEE LEGEND ON BACK

PAGE 1 OF 11

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE _____
FIELD GEOLOGIST P. Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-7					[illegible]	[illegible]		
[illegible]								
S-8					[illegible]	[illegible]		
[illegible]								

CTC 001 0723

REMARKS _____

BORING MW-[illegible]

*SEE LEGEND ON BACK

PAGE [illegible] OF 11

NUS CORPORATION
A Halliburton Company

PROJECT Cordova Tr
PROJECT NO. #796 BORING MW-
ELEVATION DATE
FIELD GEOLOGIST P. Kornacki

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
					Black	Basalt, massive		
						coarse		
					Black	Basalt, massive		
14								

CTC 001 0724

REMARKS

BORING MW-

*SEE LEGEND ON BACK

PAGE 1 OF 11

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE _____
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
C-12					Black	[illegible]		
[illegible]						Massive		
C-13					Black	Basalt Cobble		
160'						Massive		
C-14					Gray	Basalt Cobble, Massive		
170.5					Black			

CTC 001 0725

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 2 OF 4

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE _____
FIELD GEOLOGIST P. Kornoz[illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
					Red	179.7 – 179.7 [illegible]		
						Siltstone Horizontal		
						Yield Inc 75 GPM		
						(Drilling Estimate)		
S-15					Green	Vesicular Basalt		
12[illegible]					Gray			
S-16					Green	Vesicular Basalt		
[illegible]					Gray			
S-17					Green	Vesicular Basalt		
1[illegible]					Gray			
					Green	Vesicular Basalt		
					Gray			

CTC 001 0726

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE 2 OF 4

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. [illegible] BORING [illegible]
ELEVATION _____ DATE _____
FIELD GEOLOGIST [illegible]

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (in)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
[illegible]					[illegible]	[illegible] Basalt		
S-90					Gray/	Basalt, Massive		
2050					Black			
S-91					Gray/	Basalt Massive Coarse		
2100					Black			
S-92					Gray-	Basalt Massive Coarse		
2150					Black			
S-93					Gray/	[illegible]		
					Black			

CTC 001 0727

REMARKS _____

BORING MW-4

*SEE LEGEND ON BACK

PAGE 7 OF 11

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8746 BORING MW-1
ELEVATION _____ DATE _____
FIELD GEOLOGIST P Karmazinski

SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
S-24					Gray	Basalt, Massive, Coarse		
[illegible]					Gray			
S-25					Gray	Basalt, Massive,		
[illegible]					[illegible]	Coarse		
S-26					Gray	Basalt, Massive		
[illegible]					Gray	Coarse		
S-27					Gray	Basalt, Massive,		
[illegible]					Gray	Coarse		
S-28					Gray	Basalt, Massive		
[illegible]					[illegible]	Coarse		

CTC 001 0728

REMARKS _____

BORING MW-1

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT [illegible]
PROJECT NO. 1795 BORING [illegible]
ELEVATION _____ DATE _____
FIELD GEOLOGIST P Ka[illegible]

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
2500								
S-29					G[illegible]	B[illegible] M[illegible]		
2[illegible]					[illegible]	C[illegible]		
2550								
S-30					G[illegible]	B[illegible] M[illegible]		
2[illegible]					G[illegible]	C[illegible]		
[illegible]					G[illegible]	B[illegible] M[illegible]		
[illegible]					G[illegible]	[illegible]		
						BOB 26[illegible]'		

CTC 001 0729

REMARKS _____

BORING [illegible]

*SEE LEGEND ON BACK

PAGE ____ OF [illegible]

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Kermazinski

	SAMPLE NO., TYPE * & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0'									
5'									
10									
15'									
20'									
25.0'									

CTC 001 0730

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

PAGE 1 OF 8

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8246 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul Karmazinski

SAMPLE NO. TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25.0'								
30.0'								
35.0'								
40.0'								
45.0'								
50.0'								

CTC 001 0731

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		
50.0'								
55.0'								
60.0'								
65.0'								
70.0'								
75.0'								

CTC 001 0732

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Kormezinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		
75.0'								
80.0'								
90.0'								
95.0'	S-1				Blue-Grey	Basalt, Vesicular		
	95.0'							
100.0'								

CTC 001 0733

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-5
ELEVATION . DATE
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
100.0'								
105.0'								
S-2					Blue-Gray	Basalt Vesicular		
105.0'								
115'								
S-3					Blue-Gray	Basalt Vesicular		
115.0'								
120								
125								

CTC 001 0734

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 6796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
125.0'	S-4					Black	Basalt, Massive, Transition		
	125.0'								
130.0									
135.0'	S-5					Black	Basalt Massive		
	135.0'								
140.0'									
145.0'	S-6					Black	Basalt Massive		
	145.0'								
150.0'									

CTC 001 0735

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
150.0									
155.0	S-7					Black	Basalt Massive		
	155.0'								
160.0									
165.0	S-8					Black	Basalt Massive		
	165.0'								
170.0									
175.0									

CTC 001 0736

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Kormazinski

	SAMPLE NO. TYPE & DEPTH(ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
175.0'	S-9					Black	Basalt massive		
	175.0'								
180.0'	S								
185.0'	S-10					Black	Basalt Massive		
	185.0'								
190.0'									
195.0'	S-11					Black	Basalt, Massive		
	195.0								
200.0'									

CTC 001 0737

REMARKS

BORING MW5

*SEE LEGEND ON BACK

PAGE 8 OF 13

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
200.0'								
050'								
S-12					Black	Basalt Massive		
205.0'								
815.0'								
S-13					Black	Basalt, Massive		
815.0'								
2200								
225.0'								

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

PAGE 9 OF 18

CTC 001 0738

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8246 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO. TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
215.0'	S-14					Black	Basalt Mosaic		
	225.0'								
230.0						Red	230' - 235' Sandy		
							Siltstone (Hornfelz)		
							(check Records)		
235.0'	S-15					Green-Gray	Basalt Vesicular		
	235.6'								
240.0	S-16					Green Gray	Basalt Vesicular *		
	240.0'								
245.0	S-17					Green Gray	Basalt Vesicular		
	245.0'						Crystal structure within Matrix		
							Possibly		
250.0'									

CTC 001 0739

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

PAGE 10 OF 13

* Hornfelz on log

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 1796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Kermezinski

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
250.0	S-18					Greenish	Basalt, Vesicular		
	250.0'								
255.0	S-19					Brown Gray	Basalt, Vesicular ?		
	255.0'								
260.0	S-20					Green-Gray	Basalt Vesicular		
	260.0								
265.0	S-21					Green	Basalt, Vesicular		
	265.0					Gray			
270.0	S-22					Green	Basalt Vesicular		
	270.0					Gray			
275.0									

CTC 001 0740

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8286 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Kormazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
275.0'	S-23					Gray-Gray	Basalt Vesicular		
	275.0'								
280.0'	S-24					Gray	Basalt Vesicular		
	280.0					Gray			
285.0'	S-25					Gray-Black	Basalt Massive		
	285.0								
290.0'	S-26					Gray-Black	Basalt Massive		
	290.0								
295.0'	S-27					Black	Basalt Massive		
	295.0								
300.0'									

CTC 001 0741

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. $796 BORING MW-5
ELEVATION DATE
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
300.0	S-98					Black	Basalt		
	300.0'								
305.0'									
310.0'									

CTC 001 0742

REMARKS

BORING MW-5

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/25/85
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		
0'								
5'								
10'								
15'								
0'								
5'								

CTC 001 0743

REMARKS

BORING MW-6

*SEE LEGEND ON BACK

PAGE 1 OF

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION _____ DATE 3/17/87
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION*			USCS OR ROCK BROKENNESS	REMARKS
				SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION		
25'								
30'								
35'								
10'								
45'								
50'								

CTC 001 0744

REMARKS _____

BORING _____

*SEE LEGEND ON BACK

PAGE ____ OF ____

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/27/9?
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
50'									
55'							Unconsolidated		
							Consolidated		
6'									
0'									
	S-1					Grey Green	Heavily Weathered		
	70'						Basicular Basalt		
							Fairly Soft		
15'									

CTC 001 0745

REMARKS

BORING MW-6

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING MW-6
ELEVATION DATE 3/2/85
FIELD GEOLOGIST Paul L Karmazinuk

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
75'									
0'	S-2					Green	Basalt Heavily Weathered		
	80'					Gray	Fairly soft Vesicular		
-5'									
10'	S-3					Green	Basalt,		
	90'					Gray	Basalt, Vesicular		
							Low Degree of Weathering		
							@ 90'		
95'							Yield 1-2 GPM @ 95'		
100'	S								

CTC 001 0746

REMARKS

BORING MW6

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/25/87
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
100'	S-4 100'					Gray	Basalt Massive		
						Black			
						Gray	Basalt, Massive		
105'						Black			
110'	S-5 110'					Gray	Basalt, Massive		
						Black			
115'							115' 1-2 GPM		
120'	S-6 120'					Gray	Basalt, Massive		
						Black			
125'									

CTC 001 0747

REMARKS

BORING MW-6

*SEE LEGEND ON BACK

JS
RATON
Company

PROJECT Caldwell Trucking
PROJECT NO. 8296 BORING MW-6
ELEVATION DATE 3/22/87
FIELD GEOLOGIST Paul L Kozmazinski

SAMPLE NO. SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
			Gray	Basalt Massive		
			Black			
			Gray	Basalt Massive		
			Black			
						CTC 001 0748

MARKS

BORING MW-6

SEE ON BACK

PAGE 6 OF 12

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/25/85
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
50'								
S-9					Gray	Basalt, Massive		
					Black			
55'								
S-10					Gray	Basalt Massive		
160'					Black			
S-11					Gray	Basalt Massive		
170'					Black			

CTC 001 0749

REMARKS

BORING MW-6

SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/25/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE* & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
75'									
180'	S-12					Black	Basalt, Moist		
	180'						Decrease in Gray Fines		
							in Cuttings		
185'									
190	S-13					Black	Basalt - Moist		
	190'								
95'									
200'									

CTC 001 0750

REMARKS

BORING MW-6

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/25/85
FIELD GEOLOGIST Paul L Kermazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
190'	S-14					Black	Basalt slight Grey Fines		
	200'						in Cuttings		
05'									
0'	S-15					Grey	Basalt, Massive		
	210'					Black	Increase in Grey		
							Fines in Cuttings		
15'									
220'	S-16					Grey			
	220'					Grey	Basalt, Coarse Massive		
							Grained texture		
225'									

CTC 001 0751

REMARKS

BORING MW-6

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/25/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
225'	S-17					Red	Shaley Siltstone		
	225'						(Hornfels)		
230'	S-18								
	230'					Green	Basalt, Vesicular		
						Gray	Substantial Yield		
							Increase Below		
							Hornfels Zone		
235'	S-19					Gray			
	235'					Gray	Basalt, Vesicular		
240'	S-20								
	240'					Gray	Basalt Massive		
							Coarse		
245'	S-21								
	245'					Blue-Gray	Basalt, Massive, Coarse		
250'									

CTC 001 0752

REMARKS

BORING MW-6

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-6
ELEVATION DATE 3/2-/95
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
250	S-22					Gr	249'-253.7		
	250'					[illegible]	Red Scholey Siltston		
							Hornfels		
	S-23					Green	Basalt Vesicular		
255	255'					Gray			
	S-24						258'-259' Soft Zone		
	259'								
265	S-25					Green	Basalt Vesicular		
	265'					Gray			
270	S-26					Green	Basalt Vesicular		
	270'					Gray			
275									

CTC 001 0753

REMARKS

BORING MW-6

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8296 BORING MW-6
ELEVATION DATE 3/25/9[illegible]
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
275	S-27					Green	Basalt, Vesicular		
	275'					Gray			
	S-28					Green	Basalt, Vesicular		
280	280'					Gray			
	S-29					Green	Basalt, Vesicular		
285	285'					Gray			
	S-30					Gray	Basalt, Massive		
29[illegible]	290'					Black	Coarse		
									CTC 001 0754
	S-31					Gray	Basalt, Massive		
295	295'					Black	Coarse		
						Gray			
300	S-32	300'				Black	Basalt - Massive Coarse		

REMARKS BOH 303.6 FT

BORING MW-6

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Karmazinski

SAMPLE NO., TYPE & DEPTH(ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0'								
5.0'								
10.0'								
15.0'								
20.0'								
25.0'								

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

CTC 001 0755

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH(ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
25.0'									
30.0'									
35.0'									
40.0'									
45.0'									
50.0'									

CTC 001 0756

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/15/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
50.0'									
55.0'									
60.0'	S-1 60'						Black Basalt Massive		
65.0'									
70.0'	S-2 70'						Black Basalt Massive		
75.0'									

CTC 001 0757

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/14/95
FIELD GEOLOGIST Paul L Kormazinski

	SAMPLE NO., TYPE* & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
15.0'									
80.0'	S-9								
	80.0					Gray-black	Basalt, massive		
85.0'									
	S-4								
9 0'	90.0'					Black	Basalt, massive		
									CTC 001 0758
9 5'									

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Kormazinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
100.0 S-5					Black	Basalt, Massive		
100.0'								
105.0'								
S-6								
110.0'					Black	Basalt Massive		
115.0'								
S-7					S			
120.0'					Black	Basalt, Massive		
125.0								

CTC 001 0759

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

PAGE 5 OF 12

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Kermezinski

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
5.0'									
130.0'	S-8								
	130.0'					Black	Basalt, Massive		
135.0'									
140.0'	S-9								
	140.0'					Black	Basalt, Massive		
150.0'									
155.0'									

CTC 001 0760

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
150.0'	S-10					Black	Basalt, Massive		
	150.0'								
155.0'									
0'	S-11					Black	Basalt, Massive		
	160.0'								
5.0'	S-12					Black	Basalt, Massive		
	170								
170.0'									
175.0'									

CTC 001 0761

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8746 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
1750'									
1800'									
1850'									
1900'	S-1					Black	Bentonite, [illegible]		
	1-2								
1950'									
2000'									

CTC 001 0762

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8286 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
200.0'	S-14					Black	Basalt, Massive		
105.0'									
0.0'	S-15					Black	Basalt, Massive		
	210'								
215.0'	S-16					Red	Sandy Silt, Trace Hematite		
	215'								
	S-17					Red	Sandy Silt, Trace Hematite		
	217'								
220.0'	S-18					Red	Sandy Silt, Trace Hematite		
	219								
	S-19					Green	Vesicular Basalt		
	221'								
	S-20					Green	Vesicular Basalt		
225.0'	225'					Green			

CTC 001 0763

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. #796 BORING MW 8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Karmazinski

	SAMPLE NO. TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
225.0	S-21					Green/	Vesicular Basalt		
	225'					Gray			
	S-22					Green/	Vesicular Basalt		
	227'					Gray			
230.0	S-23					Green/	Vesicular Basalt		
	229'					Gray			
	S-24					Green/	Vesicular Basalt		
	231					Gray			
	S-25					Green/	Vesicular Basalt		
	233'					Gray			
	S-26					Green/	Vesicular Basalt		
	235					Gray			
	S-27					Green/	Vesicular Basalt		
	237'					Gray			
	S-28					Green/	Basalt coarse Massive		
240'	239'					Black			
	S-29					Green/	Basalt coarse Massive		
	241'					Black			
245.0	S-30					Green	Basalt, Coarse Massive		
	247'					Black			
	S-31					Green/	Basalt, Coarse Massive		
	[illegible]					Black			
250.0	S-32	249'				Green/Black	Basalt Coarse Massive		

CTC 001 0764

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Coldwell Trucking
PROJECT NO. 8296 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Kormazinski

	SAMPLE NO. TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
250'									
	S-33					Gray/	Basalt, Coarse, Massive		
	251'					Black			
255.0'	S-34					Gray/	Basalt, Coarse, Massive		
	255'					Black			
260.0'	S-35					Black	Basalt, Coarse Massive		
	261'								
	S-36					Green	Vesicular Basalt		
265.0'	263'					Gray			
	S-37					Green	Vesicular Basalt		
	267'					Gray			
270.0'									
	S-38					Green	Vesicular Basalt		
	271'					Gray			
275.0'									

CTC 001 0765

REMARKS

BORING MW-8

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT Caldwell Trucking
PROJECT NO. 8796 BORING MW-8
ELEVATION DATE 4/19/85
FIELD GEOLOGIST Paul L Karmozinski

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
275.0' S-39					Gray	Basalt, Coarse		
275'					Black			
S-40					Gray	Basalt Coarse		
300								
279'					Black			
S-41					Gray	Basalt, Coarse		
281'					Black			
5.0'								
40.0'								
295.0								
300.0'								

CTC 001 0766

REMARKS

BORING MW8

*SEE LEGEND ON BACK

PAGE 12 OF 13

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. 5796 BORING MW-10
ELEVATION DATE 8/2/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
0.0					BLACK TO GRAY	FILL (MISCELLANEOUS)		PARKING AREA FOR HEAVY EQUIP.
3.0								
					GRAY TO GRAY BROWN	GRAVEL AND FINE TO MEDIUM SAND.	(SP-SW)	
					GRAY	GRAVEL AND FINE TO MEDIUM SAND	(SP-SW)	
19.0								
						BOULDER		
24.0								

CTC 001 0767

REMARKS NO SIGNIFICANT ZONES OF WATER
INITIAL WATER LEVEL SIGNIFICANTLY HIGHER ELEVATION THAN OTHER BEDROCK WELLS.

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/5/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH(ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH(ft)	MATERIAL MOISTURE & WATER DEPTH(ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
					GRAY TO BLACK	GRAVEL AND BOULDERS	(GW)	
					GRAY TO BLACK	GRAVEL AND BOULDERS	(GW)	
41.0					GRAY	CLAY, LITTLE TO SOME FINE SAND	(CL-ML)	

CTC 001 0768

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/6/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
					GRAY	CLAY, LITTLE TO SOME SAND	(CL-ML)	
59.0								
					GRAY	GRAVEL AND BOULDERS	(GW)	
69.0								
					BLACK	BASALT		

CTC 001 0769

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
75.0								
90.0								
R-1					DARK GRAY GREEN	BASALT		
100.0								

CTC 001 0770

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
100.0								
R-2					BLACK	BASALT		
110.0								
R-3					BLACK	BASALT		
120.0								
R-4					BLACK	BASALT		
125.0								

CTC 001 0771

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. 5796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
125.0								
130.0								
R-5					BLACK	BASALT		
140.0								
R-6					BLACK	BASALT		
150.0								

CTC 001 0772

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE * & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
150.0								
R-7					BLACK	BASALT		
160.0								
R-8					BLACK	BASALT		
170.0								
R-9					BLACK	BASALT		
175.0								

CTC 001 0773

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
175.0								
180.0								
R-10					BLACK	BASALT		
190.0								
R-11					BLACK	BASALT		
200.0								

CTC 001 0774

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
200.0								
R-12					BLACK	BASALT		
210.0					DARK GRAY GREEN	BASALT		
R-13								
214.0						214.0		
215.0								
R-14					RED	SANDY SHALE/SILTSTONE (GRANULITE)		
220.0								
R-15					RED	SHALE/SILTSONE (HORNFELS)		
221.0								
R-16					BLACK	BASALT		
225.0								

CTC 001 0775

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
225.0								
230.0								
R-17					DARK GRAY GREEN	BASALT		CRYSTILLANE ROCK SAMPLES ENCOUNTERED WITH BREAK *
240.0								
R-18					RED	SHALE/SILTSTONE (HORNFELS)		
242.0								
					DARK GRAY GREEN	BASALT		
250.0								

CTC 001 0776

REMARKS * IDENTIFICATION - PRENITE WITH CARBONATES. ALSO SOME ADDITIONAL ZEOLITES

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO. TYPE & DEPTH (ft)	BLOWS/SIX INCHES OR RQD(%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
250.0								
R-19					DARK GRAY GREEN	BASALT		
260.0								
R-20					DARK GRAY GREEN	BASALT		
270.0								
R-21					DARK GRAY GREEN	BASALT		
275.0								

CTC 001 0777

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

NUS CORPORATION
A Halliburton Company

PROJECT CALDWELL TRUCKING
PROJECT NO. $796 BORING MW-10
ELEVATION DATE 8/7/85
FIELD GEOLOGIST DANIEL R HAMEL

SAMPLE NO., TYPE & DEPTH (ft.)	BLOWS/SIX INCHES OR RQD (%)	SAMPLE RECOVERY/ SAMPLE LENGTH (ft)	MATERIAL MOISTURE & WATER DEPTH (ft)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	USCS OR ROCK BROKENNESS	REMARKS
275.0								
280								
R-22					DARK GRAY GREEN	BASALT		
						BOH 282.0 FT		

CTC 001 0778

REMARKS

BORING MW-10

*SEE LEGEND ON BACK

PAGE 12 OF 12

DRAFT

WELL SCHEMATICS

CTC 001 0779

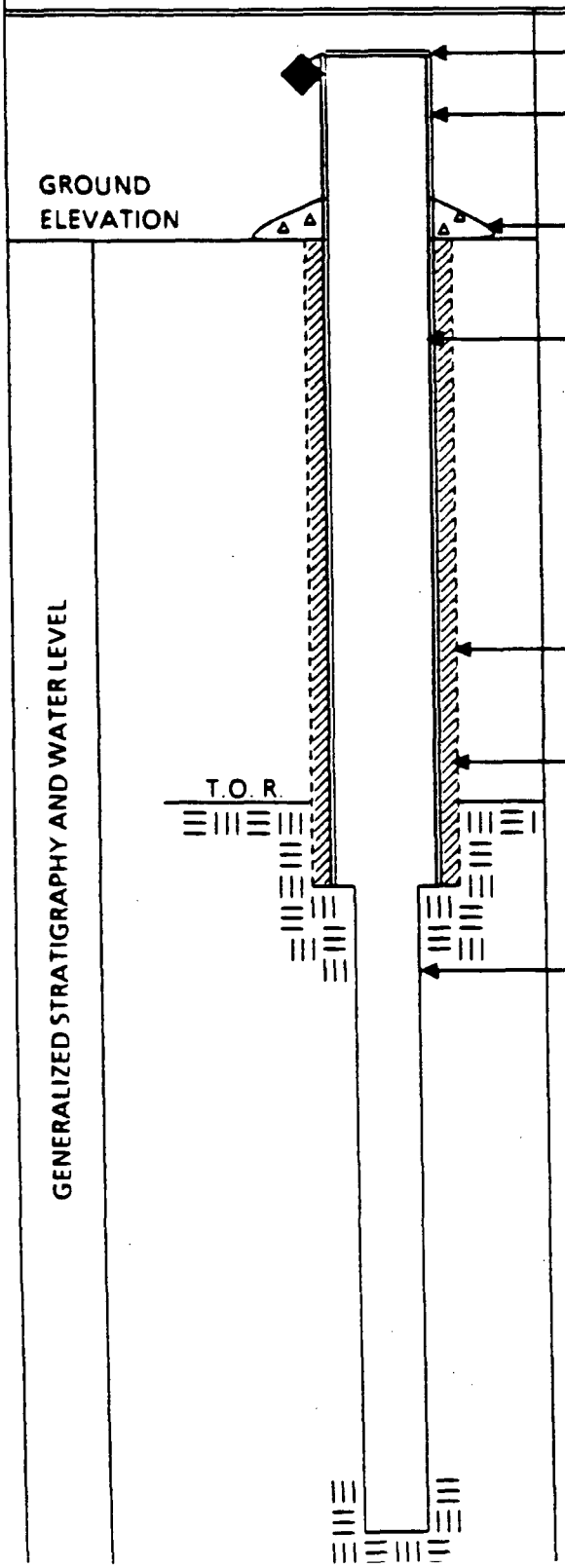
NUS CORPORATION
A Halliburton Company

BEDROCK
MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT [illegible] TRUCKING
PROJECT NO. 8796
ELEVATION 169.16
FIELD GEOLOGIST PAUL HARDACZESKI

LOCATION FARMERSVILLE TWP
BORING MW-1
DATE

DRILLER JIM [illegible]
DRILLING METHOD MUD ROT/AIR HAM.
DEVELOPMENT METHOD COMPRESSED AIR



ELEVATION OF TOP OF CASING: 170.89

STICK UP OF CASING ABOVE GROUND SURFACE: 1.73'

TYPE OF SURFACE SEAL: CEMENT

I.D. OF CASING: 6"
TYPE OF CASING: CARBON STEEL

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 71.3'

DIAMETER OF HOLE: [illegible]

DEPTH TO TOP OF ROCK: 55'

TYPE OF CASING SEAL: BENTONITE / CEMENT

DIAMETER OF HOLE IN BEDROCK: 5 7/8

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 58.36/110.3

CTC 001 0780

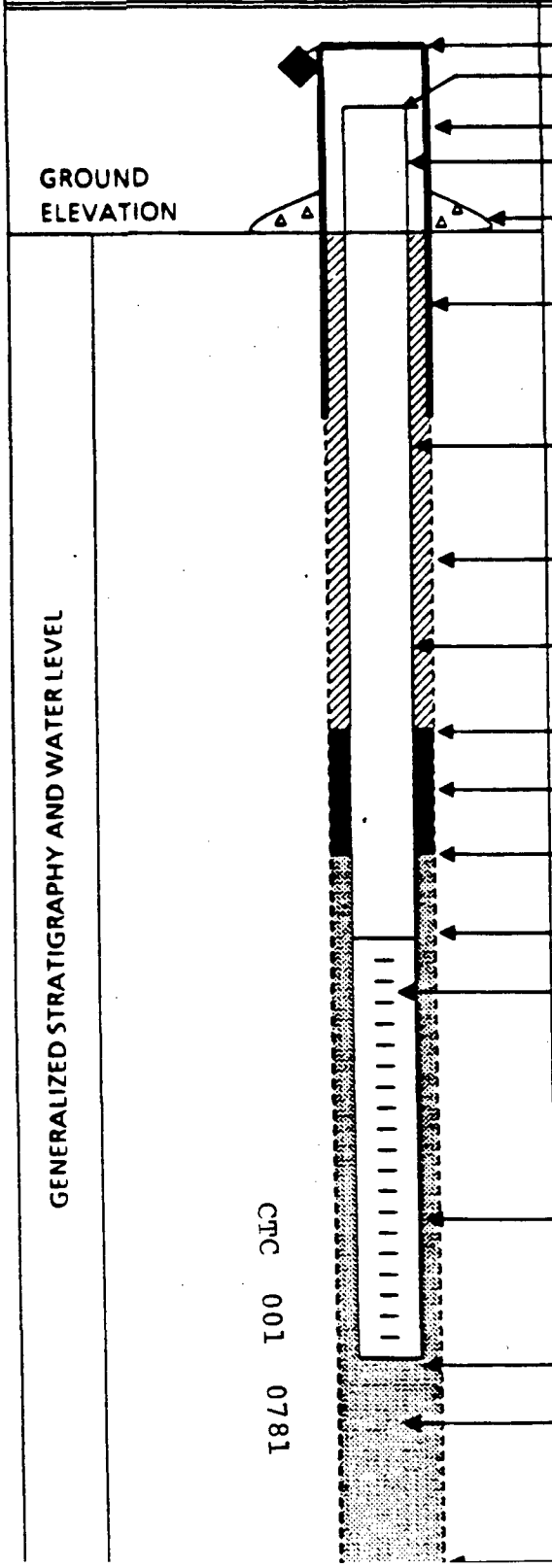
NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: Caldwell Trucking
PROJECT NO.: 5796
ELEVATION: 168.83
FIELD GEOLOGIST: Paul Karmazinska

LOCATION: Fairfield Twp
BORING: MW-1A
DATE:

DRILLER: Jim Kinetzel
DRILLING METHOD: Cable Tool
DEVELOPMENT METHOD: Compressed Air



ELEVATION OF TOP OF SURFACE CASING: 171.40
ELEVATION OF TOP OF RISER PIPE: 171.38
STICK - UP TOP OF SURFACE CASING: 2.57'
STICK - UP RISER PIPE: 2.55'
TYPE OF SURFACE SEAL: Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: Carbon Steel
RISER PIPE I.D.: 4"
TYPE OF RISER PIPE: Stainless Steel
BOREHOLE DIAMETER: 10"
TYPE OF BACKFILL: Bentonite Cement
ELEVATION / DEPTH TOP OF SEAL: 136.83 / 32'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 131.83 / 37'
ELEVATION / DEPTH TOP OF SCREEN: 126.83 / 42'
TYPE OF SCREEN: Stainless Steel
SLOT SIZE x LENGTH: .010 20'
I.D. OF SCREEN: 4"
TYPE OF SAND PACK: No 1 Quartz Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 106.83 / 62'
ELEVATION / DEPTH BOTTOM OF SAND PACK: [illegible]
TYPE OF BACKFILL BELOW OBSERVATION WELL: NA
ELEVATION / DEPTH OF HOLE: [illegible]

CTC 001 0781

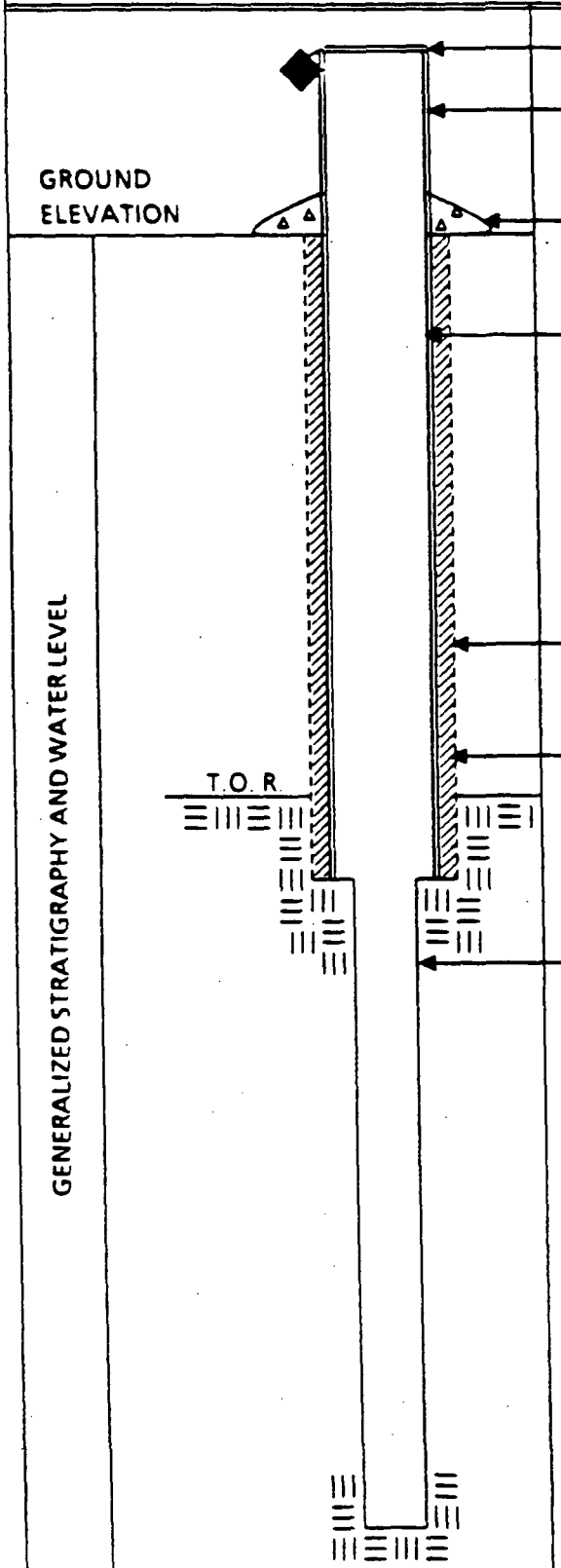
NUS CORPORATION
A Halliburton Company

BEDROCK
MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT Caldwell Trucking
PROJECT NO. 3796
ELEVATION 74.05'
FIELD GEOLOGIST Paul Karmazinski

LOCATION Fairfield Twp
BORING MW-2
DATE

DRILLER Jim Kinetzel
DRILLING METHOD Mud Rot / Air Ham
DEVELOPMENT METHOD Compressed Air



ELEVATION OF TOP OF CASING: [illegible]

STICK UP OF CASING ABOVE GROUND SURFACE: 2.0'

TYPE OF SURFACE SEAL: Cement

I.D. OF CASING: 6"
TYPE OF CASING: Carbon Steel

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 74'

DIAMETER OF HOLE: [illegible]"

DEPTH TO TOP OF ROCK: 70'

TYPE OF CASING SEAL: Bentonite / Cement

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 51.30 / 122.75

NS-1

CTC 001 0782

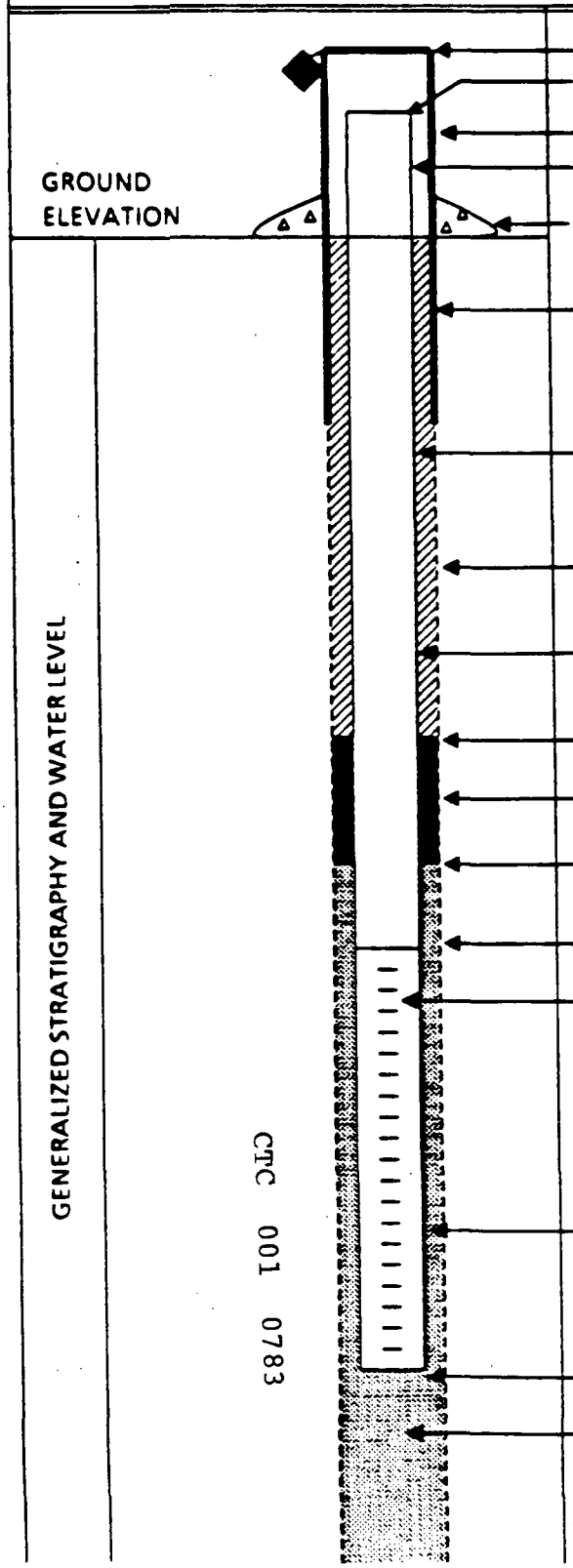
NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: CALDWELL TRUCKING
PROJECT NO.: $796
ELEVATION: 174.16
FIELD GEOLOGIST: PAUL KACMAZINSKI

LOCATION: FAIRFIELD TWP
BORING: MW-2A
DATE: 5/14/95

DRILLER: S. STOTHOFF CO. INC
DRILLING METHOD: Cable Tool
DEVELOPMENT METHOD: Pumping



ELEVATION OF TOP OF SURFACE CASING: 175.95'
ELEVATION OF TOP OF RISER PIPE: 175.93'
STICK - UP TOP OF SURFACE CASING: 1.79
STICK - UP RISER PIPE: 1.77
TYPE OF SURFACE SEAL: CEMENT
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D.: 4"
TYPE OF RISER PIPE: STAINLESS STEEL
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 130.46/43.7
TYPE OF SEAL: BENTONITE PELLETS
DEPTH TOP OF SAND PACK: 45.7'
ELEVATION / DEPTH TOP OF SCREEN: 123.46/50.7'
TYPE OF SCREEN: STAINLESS STEEL
SLOT SIZE x LENGTH: .010" 20'
I.D. OF SCREEN: 4"
TYPE OF SAND PACK: No 1 Quartz SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 103.46/70.7'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 103.46/70.7
TYPE OF BACKFILL BELOW OBSERVATION WELL:

CTC 001 0783

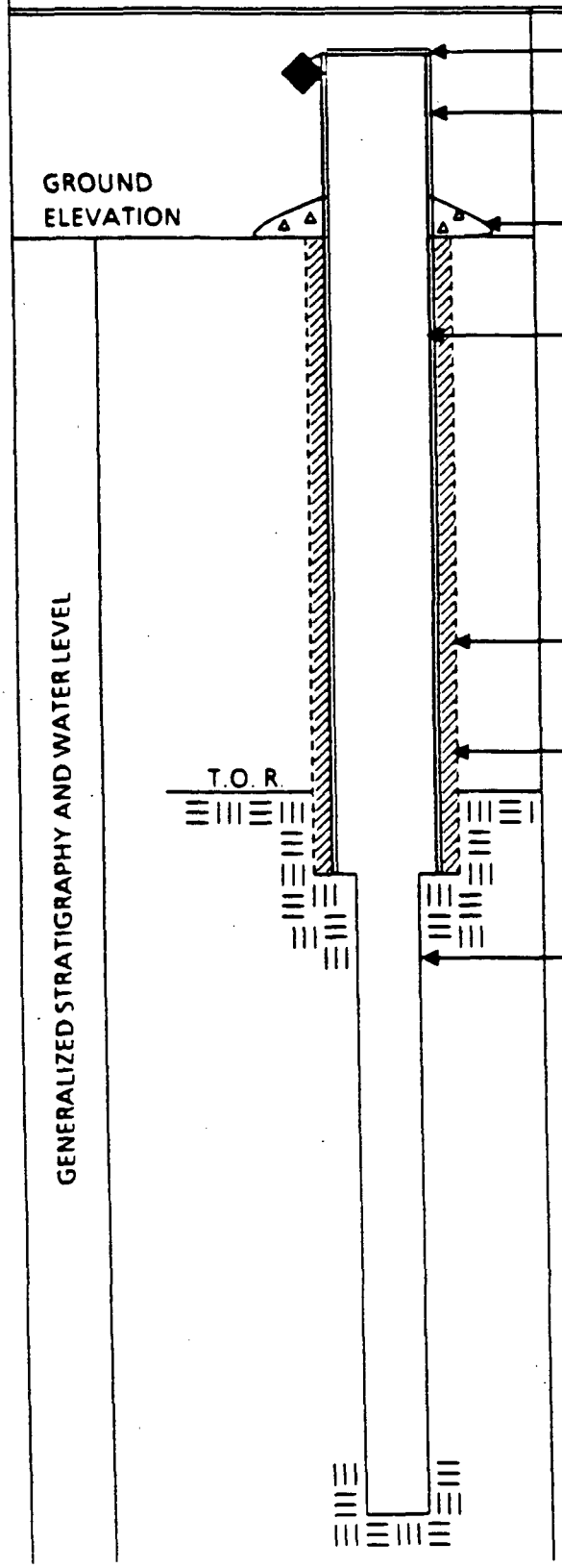
NUS CORPORATION
A Halliburton Company

BEDROCK
MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT Caldwell Trucking
PROJECT NO. 6796
ELEVATION 233.03'
FIELD GEOLOGIST Paul Karmazinsky

LOCATION Fairfield Twp
BORING MW-3
DATE

DRILLER Jim [illegible]
DRILLING METHOD [illegible] Pot/Air [illegible]
DEVELOPMENT METHOD Compressed Air



ELEVATION OF TOP OF CASING: 234.36'

STICK UP OF CASING ABOVE GROUND SURFACE: 1.31'

TYPE OF SURFACE SEAL: Cement

I.D. OF CASING: 6"

TYPE OF CASING:

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 10.5'

DIAMETER OF HOLE: 10"

DEPTH TO TOP OF ROCK: 5.5'

TYPE OF CASING SEAL: Bentonite Cement

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

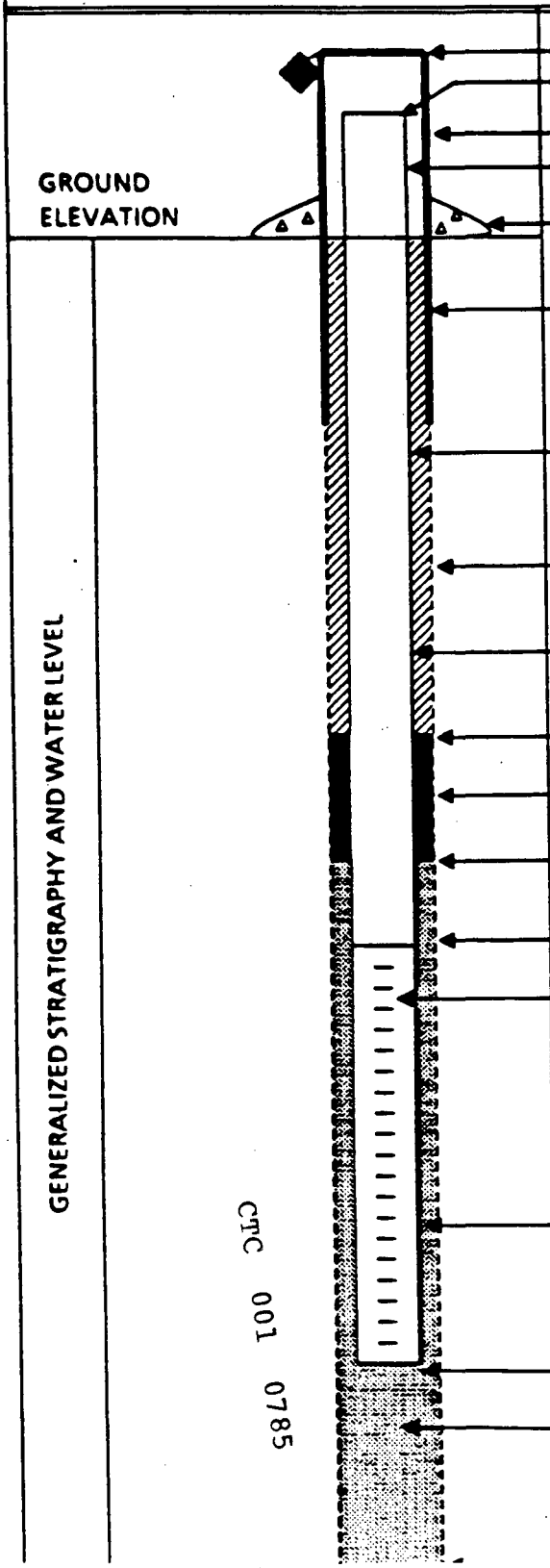
ELEVATION / DEPTH OF HOLE: 200' / 33.03 MSL

CTC 001 0784

NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: CALDWELL TRUCKING
PROJECT NO.: 8796
ELEVATION: 193.18
FIELD GEOLOGIST: PAUL L. KARMAZINSKE
LOCATION: FAIRFIELD TWP
BORING: MW-3A
DATE: 3/27/85
DRILLER: S. STOTHOFF CO. INC
DRILLING METHOD: CABLE TOOL
DEVELOPMENT METHOD: PUMPING



ELEVATION OF TOP OF SURFACE CASING: 195.04
ELEVATION OF TOP OF RISER PIPE: 194.90
STICK - UP TOP OF SURFACE CASING: 1.86'
STICK - UP RISER PIPE: 1.72'
TYPE OF SURFACE SEAL: CEMENT
I.D. OF SURFACE CASING: 8"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D. 4"
TYPE OF RISER PIPE: STAINLESS STEEL
BOREHOLE DIAMETER: 10"
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 171.48/21.7'
TYPE OF SEAL: BENTONITE PELLETS
DEPTH TOP OF SAND PACK: 24.7'
ELEVATION / DEPTH TOP OF SCREEN: 163.48/29.7'
TYPE OF SCREEN: STAINLESS STEEL
SLOT SIZE x LENGTH: .010" 10'
I.D. OF SCREEN: 4"
TYPE OF SAND PACK: No 1 QUARTZ SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 153.48/39.7'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 153.48/39.7
TYPE OF BACKFILL BELOW OBSERVATION WELL: NA
ELEVATION / DEPTH OF HOLE: 153.48/39.7

CTC 001 0785

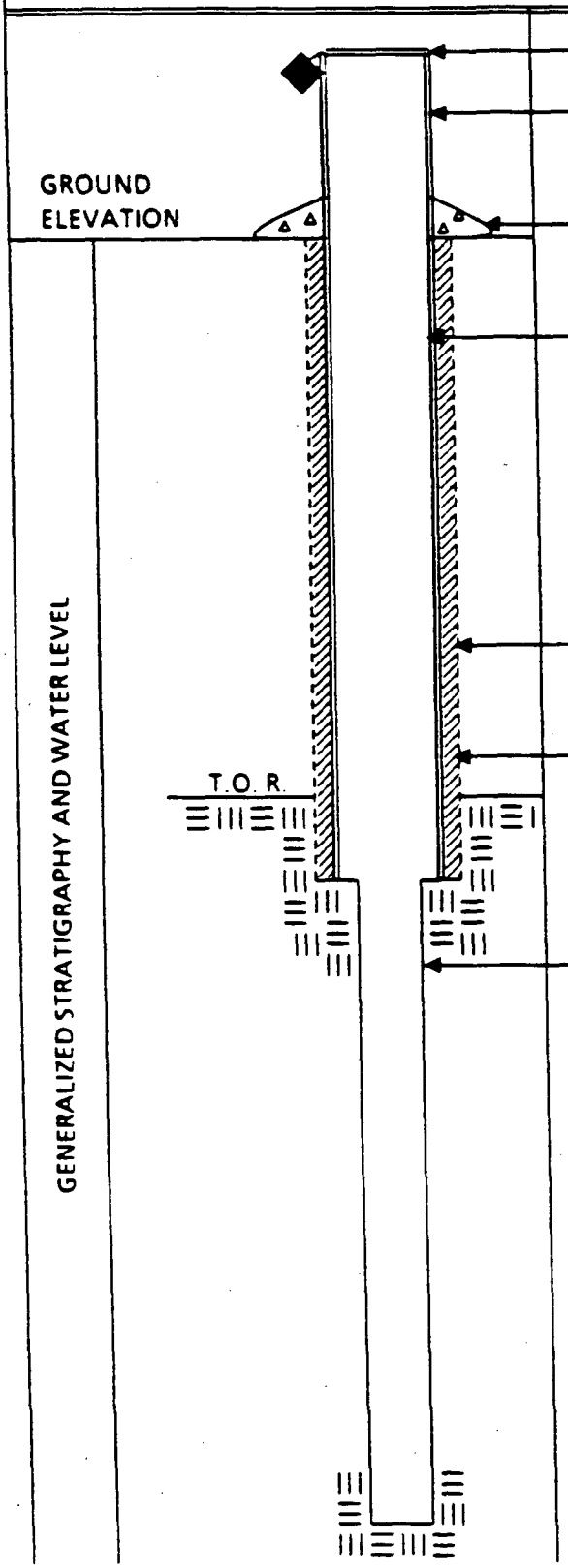
NUS CORPORATION
A Halliburton Company

BEDROCK
MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT [illegible] TRUCKING
PROJECT NO. 8796
ELEVATION 190.27
FIELD GEOLOGIST PAUL KARMAZINSKI

LOCATION FAIRFIELD TWP
BORING MW-4
DATE

DRILLER [illegible]
DRILLING METHOD [illegible]
DEVELOPMENT METHOD COMPRESSED AIR



ELEVATION OF TOP OF CASING: 192.55'

STICK UP OF CASING ABOVE GROUND SURFACE: 1.28'

TYPE OF SURFACE SEAL: CEMENT

I.D. OF CASING: 6"
TYPE OF CASING: CARBON STEEL

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 52.5'

DIAMETER OF HOLE: 13"

DEPTH TO TOP OF ROCK: 40.5'

TYPE OF CASING SEAL: CEMENT/BENTONITE

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 70.41 / 250.00
BRC

CTC 001 0786

NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

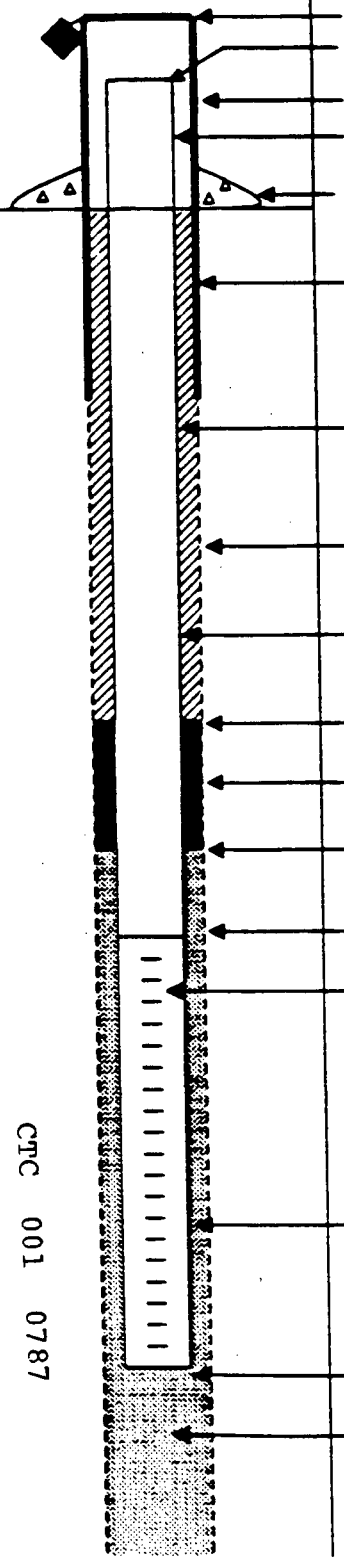
PROJECT [illegible] TOWERING
PROJECT NO. 8796
ELEVATION 190.28'
FIELD GEOLOGIST PAUL KARAMEZINSKI

LOCATION FAIRFIELD TWP
BORING MW1-4A
DATE

DRILLER JIM KANEFZEL
DRILLING METHOD CABLE TOOL
DEVELOPMENT METHOD COMPRESSED AIR

GROUND ELEVATION

GENERALIZED STRATIGRAPHY AND WATER LEVEL



ELEVATION OF TOP OF SURFACE CASING: 192.24'
ELEVATION OF TOP OF RISER PIPE: 192.14'
STICK - UP TOP OF SURFACE CASING: 2.00'
STICK - UP RISER PIPE: 2.06'
TYPE OF SURFACE SEAL: CEMENT
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D. 4"
TYPE OF RISER PIPE: STAINLESS STEEL
BOREHOLE DIAMETER: 10"
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 175.28/15'
TYPE OF SEAL: [illegible]
DEPTH TOP OF SAND PACK: 23'
ELEVATION / DEPTH TOP OF SCREEN: 167.28/23'
TYPE OF SCREEN: STAINLESS STEEL
SLOT SIZE x LENGTH: .010 20'
I.D. OF SCREEN: [illegible]
TYPE OF SAND PACK: No 1 [illegible] SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 147.28/43'
ELEVATION / DEPTH BOTTOM OF SAND PACK: [illegible]
TYPE OF BACKFILL BELOW OBSERVATION WELL: NA

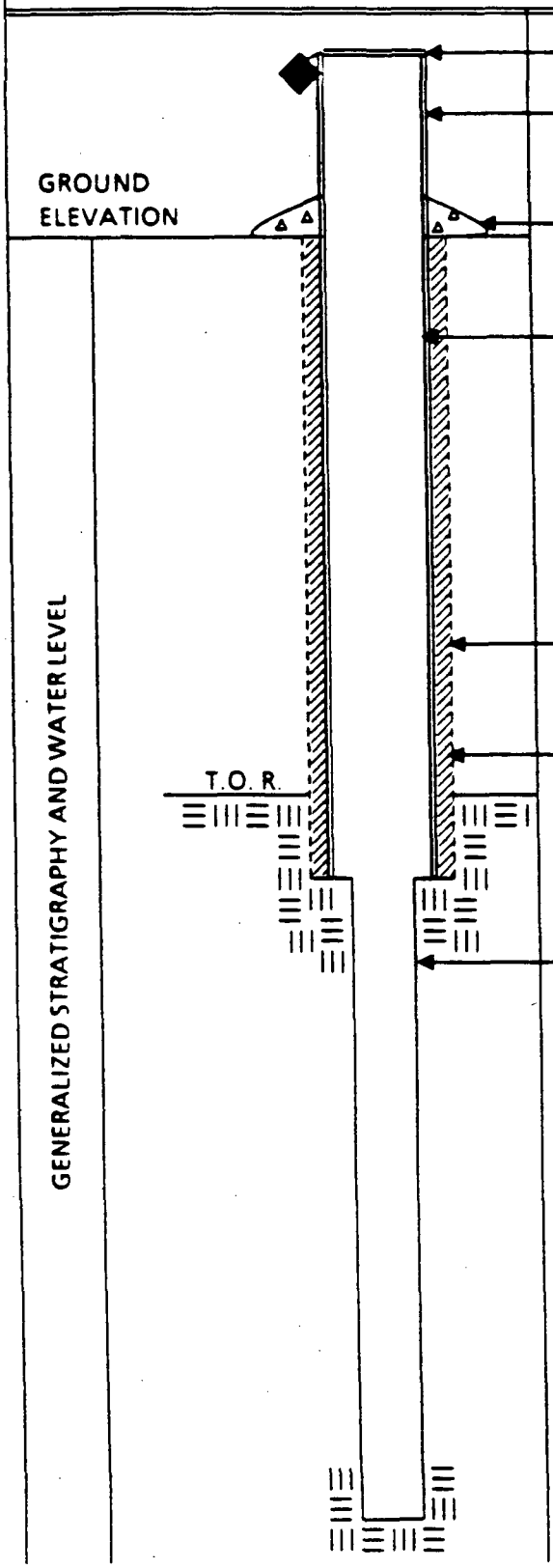
CTC 001 0787

NUS CORPORATION
A Halliburton Company

BEDROCK
MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT [illegible] LOCATION Fairfield Twp
PROJECT NO. [illegible] BORING MW-5
ELEVATION [illegible] DATE [illegible]-8-85
FIELD GEOLOGIST [illegible]

DRILLER [illegible]
DRILLING METHOD Mud Rotary/Air [illegible]
DEVELOPMENT METHOD Compressed Air



ELEVATION OF TOP OF CASING: 190.35'

STICK UP OF CASING ABOVE GROUND SURFACE: 1.05'

TYPE OF SURFACE SEAL: Cement

I.D. OF CASING: 6"
TYPE OF CASING: Carbon Steel

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 85'

DIAMETER OF HOLE: 10"

DEPTH TO TOP OF ROCK: 76'

TYPE OF CASING SEAL: Bentonite Cement

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: [illegible] 3[illegible]9'

CTC 001 0788

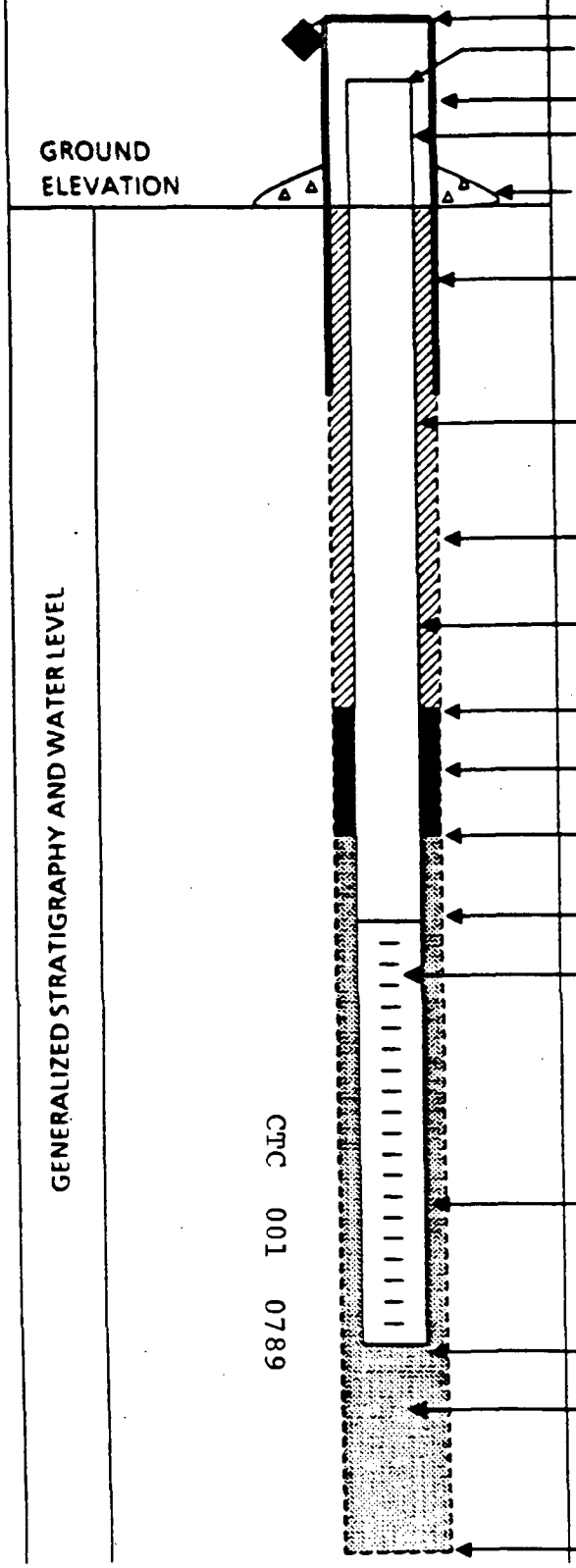
NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: CALDWELL TRUCKING
PROJECT NO.: 3796
ELEVATION: 188.97'
FIELD GEOLOGIST: PAUL FARMAZIAN

LOCATION: FAIRFIELD TWP
BORING: MW 5A
DATE:

DRILLER: JIM KUIETZEL
DRILLING METHOD: CABLE TOOL
DEVELOPMENT METHOD: COMPRESSED AIR



ELEVATION OF TOP OF SURFACE CASING: 190.95
ELEVATION OF TOP OF RISER PIPE: 190.82
STICK - UP TOP OF SURFACE CASING: 2.00'
STICK - UP RISER PIPE: .83'
TYPE OF SURFACE SEAL: PORTLAND CEMENT
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D. 4"
TYPE OF RISER PIPE: STAINLESS STEEL
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: BENTONITE / CEMENT
ELEVATION / DEPTH TOP OF SEAL: 140.99'/ 48'
TYPE OF SEAL: BENTONITE
DEPTH TOP OF SAND PACK: 131.99'/57'
ELEVATION / DEPTH TOP OF SCREEN: 132.99'/56'
TYPE OF SCREEN: STAINLESS STEEL
SLOT SIZE x LENGTH: .010 20'
I.D. OF SCREEN: 4"
TYPE OF SAND PACK: NO. 1 SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 112.99'/76'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 112.99'/76'
TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A
ELEVATION / DEPTH OF HOLE: 112.99'/76'

CTC 001 0789

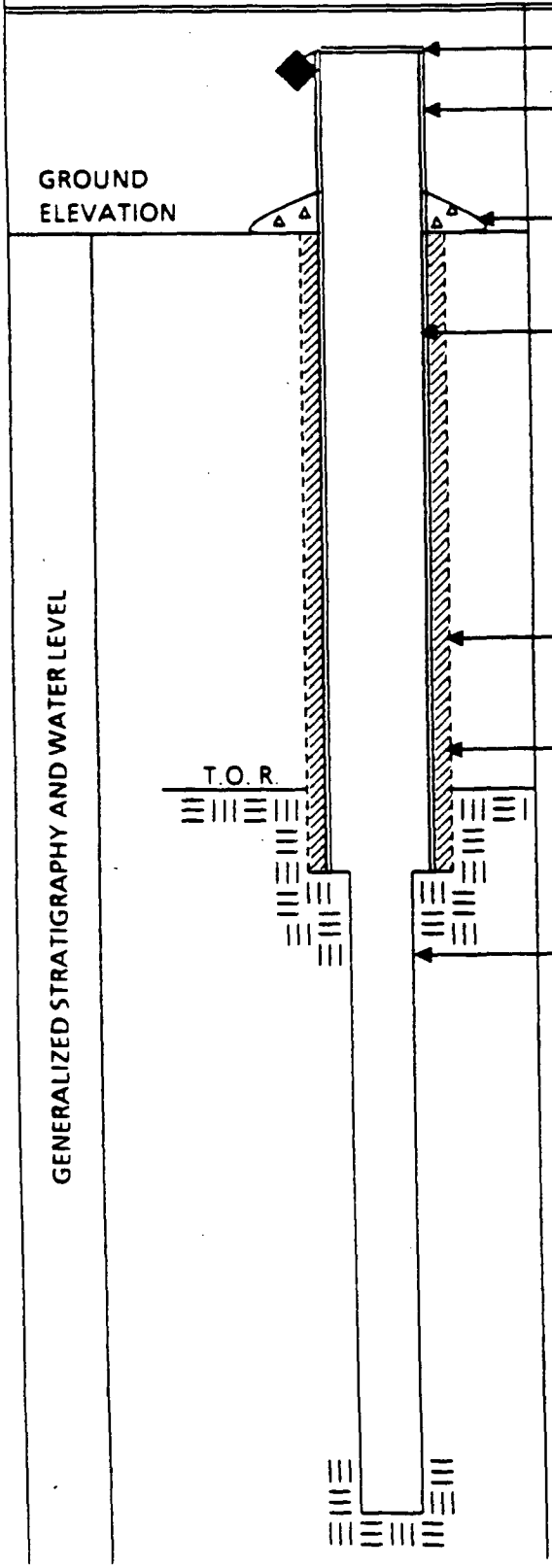
NUS CORPORATION
A Halliburton Company

BEDROCK
MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT Cellwell Trucking
PROJECT NO. 5796
ELEVATION 186.71'
FIELD GEOLOGIST Paul Karmazinski

LOCATION Farfield Twp
BORING MW-6
DATE

DRILLER Jim Rinkel
DRILLING METHOD Mud Rot / Air Ham
DEVELOPMENT METHOD Compressed Air



ELEVATION OF TOP OF CASING: 188.0'

STICK UP OF CASING ABOVE GROUND SURFACE: 1.33'

TYPE OF SURFACE SEAL: Cement

I.D. OF CASING: 6"

TYPE OF CASING: Carbon Steel

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 65'

DIAMETER OF HOLE: 10"

DEPTH TO TOP OF ROCK: 55'

TYPE OF CASING SEAL: Cement

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 303 / 116.29' AMSL

CTC 001 0790

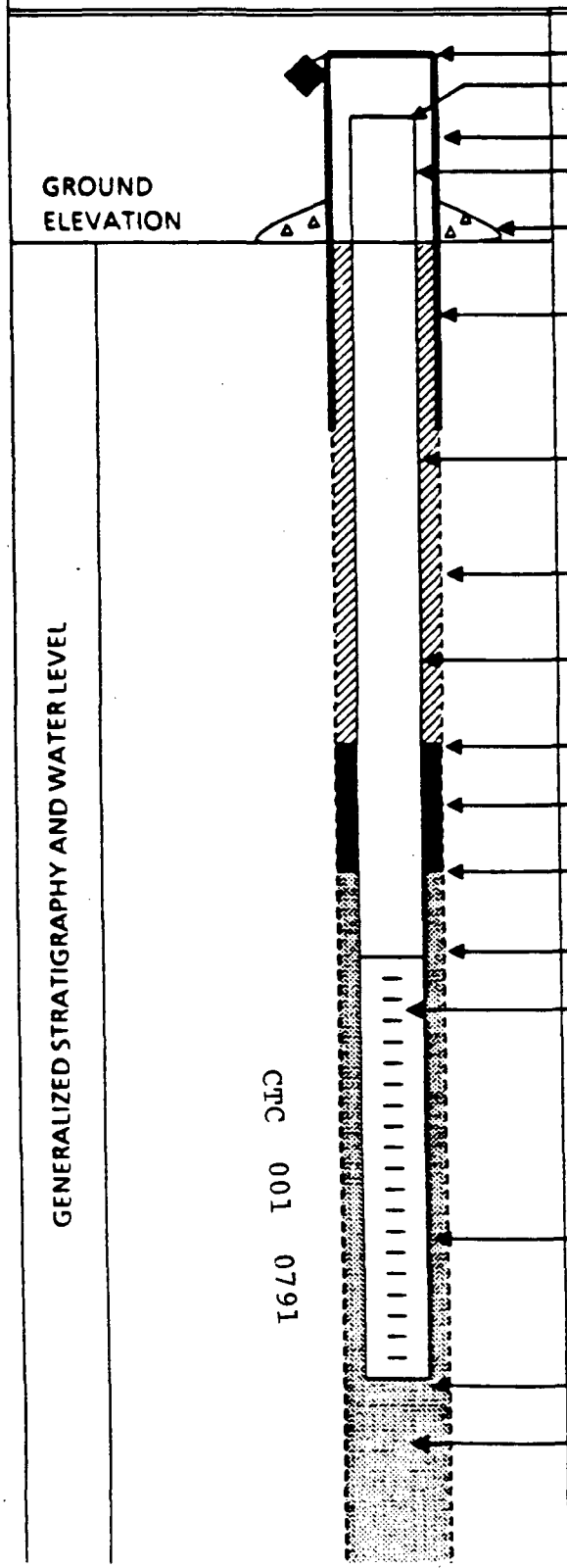
NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT Caldwell Trucking
PROJECT NO. 8783
ELEVATION 189.17
FIELD GEOLOGIST Paul Karmazinskie

LOCATION Fairfield Twp
BORING MW-6A
DATE

DRILLER Jim Kinetzec
DRILLING METHOD Cable Tool
DEVELOPMENT METHOD Compressed Air



ELEVATION OF TOP OF SURFACE CASING: 190.74
ELEVATION OF TOP OF RISER PIPE: 191.11
STICK - UP TOP OF SURFACE CASING: 1.93
STICK - UP RISER PIPE: 1.82
TYPE OF SURFACE SEAL: Cement
I.D. OF SURFACE CASING: 8"
TYPE OF SURFACE CASING: Carbon Steel
RISER PIPE I.D. 4"
TYPE OF RISER PIPE: Stainless Steel
BOREHOLE DIAMETER: 10"
TYPE OF BACKFILL: Bentonite Cement
ELEVATION / DEPTH TOP OF SEAL: 173.12 / 16'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 170.12 / 19'
ELEVATION / DEPTH TOP OF SCREEN: 165.12 / 24'
TYPE OF SCREEN: Stainless Steel
SLOT SIZE x LENGTH: .010 20'
I.D. OF SCREEN: 4"
TYPE OF SAND PACK: No 1 Quartz Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 145.12 / 44
ELEVATION / DEPTH BOTTOM OF SAND PACK: [illegible] / 44
TYPE OF BACKFILL BELOW OBSERVATION WELL: NA

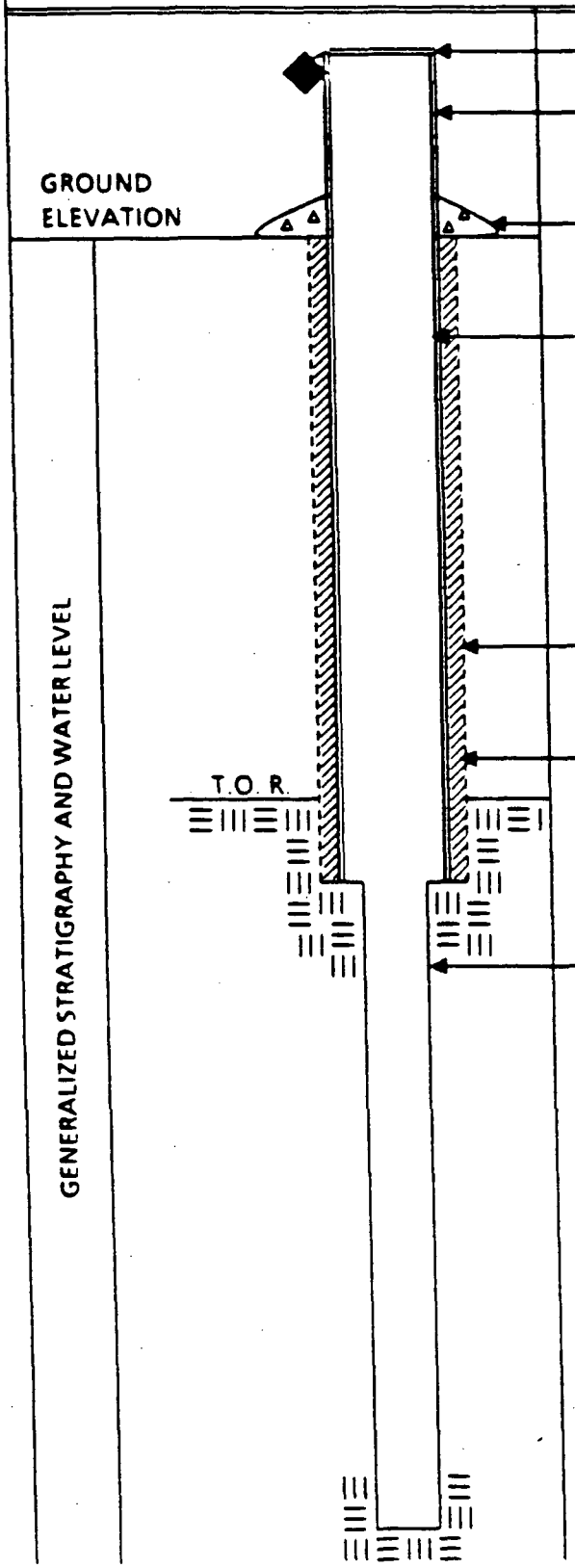
NUS CORPORATION
A Halliburton Company

BEDROCK
MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT Caldwell Trucking
PROJECT NO. #796
ELEVATION 191.27'
FIELD GEOLOGIST Paul Karmazinski

LOCATION Fairfield Twp
BORING MW-8
DATE

DRILLER Jim Kinetzel
DRILLING METHOD Mud Rot/Air Ham
DEVELOPMENT METHOD Compressed Air



ELEVATION OF TOP OF CASING: 192.58'

STICK UP OF CASING ABOVE GROUND SURFACE: 191.27

TYPE OF SURFACE SEAL: Cement

I.D. OF CASING: 6"

TYPE OF CASING:

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 58.5'

DIAMETER OF HOLE: 10"

DEPTH TO TOP OF ROCK: 55.0'

TYPE OF CASING SEAL: Bentonite/Cement

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 133.5/92.23 AMSL

CTC 001 0792

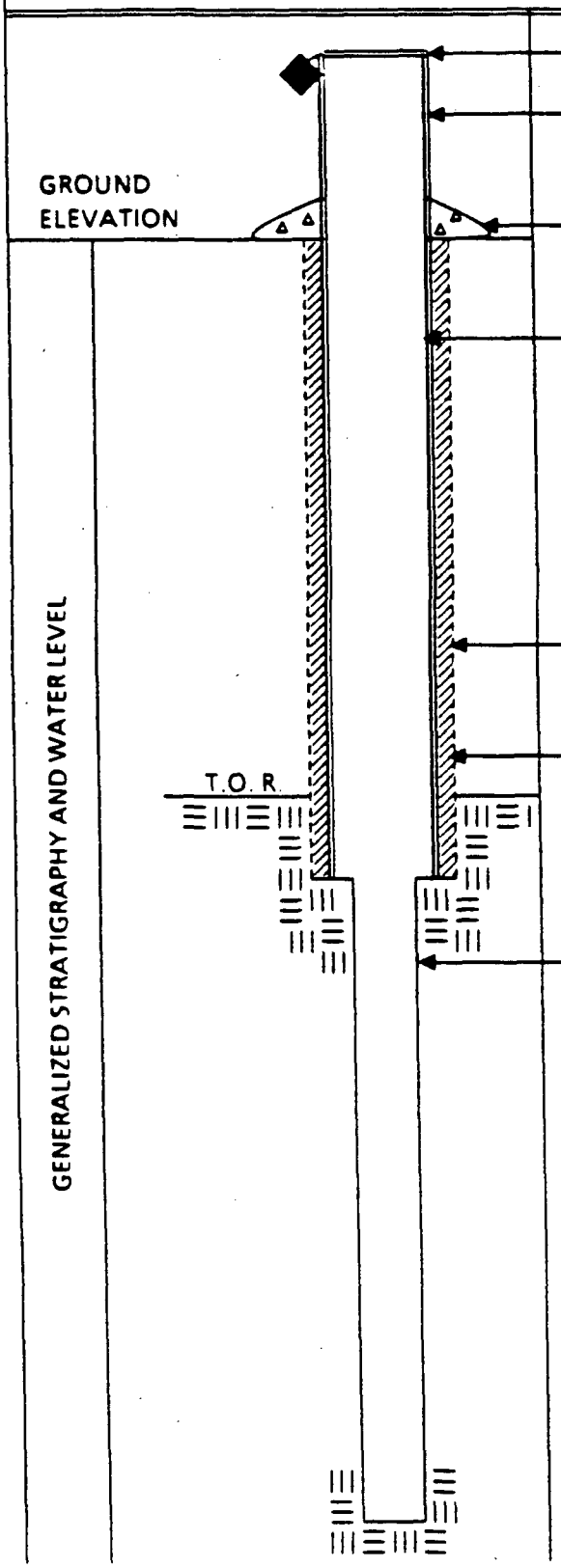
NUS CORPORATION
A Halliburton Company

BEDROCK MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT Caldwell Trucking
PROJECT NO. 5796
ELEVATION 175.79'
FIELD GEOLOGIST Daniel R Hamel

LOCATION Fairfield Twp
BORING MW-9
DATE 7-26-85

DRILLER Jim Kuetzel
DRILLING METHOD Mud Rot / [illegible]
DEVELOPMENT METHOD Compressed [illegible]



ELEVATION OF TOP OF CASING: 178.59'

STICK UP OF CASING ABOVE GROUND SURFACE: 2.80'

TYPE OF SURFACE SEAL: Portland Cement

I.D. OF CASING: 6"

TYPE OF CASING: Carbon Steel

TEMP. / PERM.:

DEPTH TO BOTTOM CASING: 61.0'

DIAMETER OF HOLE: 10"

DEPTH TO TOP OF ROCK: 57.0'

TYPE OF CASING SEAL: Bentonite / Cement

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: [illegible]

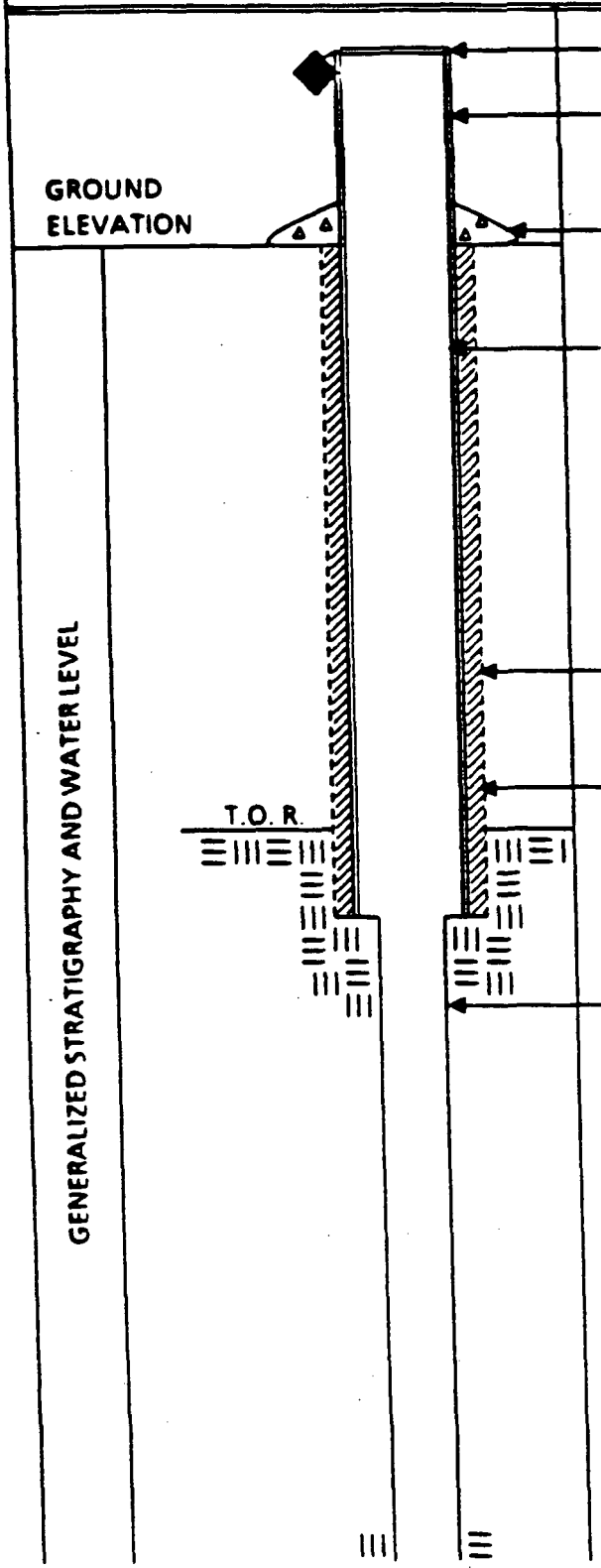
CTC 001 0793

NUS CORPORATION
A Halliburton Company

BEDROCK MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT: CALDWELL TRUCKING
PROJECT NO.: $796
ELEVATION: 187.15
FIELD GEOLOGIST: DANIEL R HAMEL
LOCATION: FAIRFIELD TWP.
BORING: MW-10
DATE: 8/7/85

DRILLER: JIM KINETZEL
DRILLING METHOD: MUD RT / AIR HAM
DEVELOPMENT METHOD: AIR / PUMPING



ELEVATION OF TOP OF CASING: 189.76

STICK UP OF CASING ABOVE GROUND SURFACE: 2.61'

TYPE OF SURFACE SEAL: NONE

I.D. OF CASING: 6"

TYPE OF CASING: CARBON STEEL

TEMP. / PERM.: PERMANENT

DEPTH TO BOTTOM CASING: 80'

DIAMETER OF HOLE: 10"

DEPTH TO TOP OF ROCK: 69'

TYPE OF CASING SEAL: BENTONITE/CEMENT

DIAMETER OF HOLE IN BEDROCK: 5 5/8"

DESCRIBE IF NX CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

CTC 001 0794

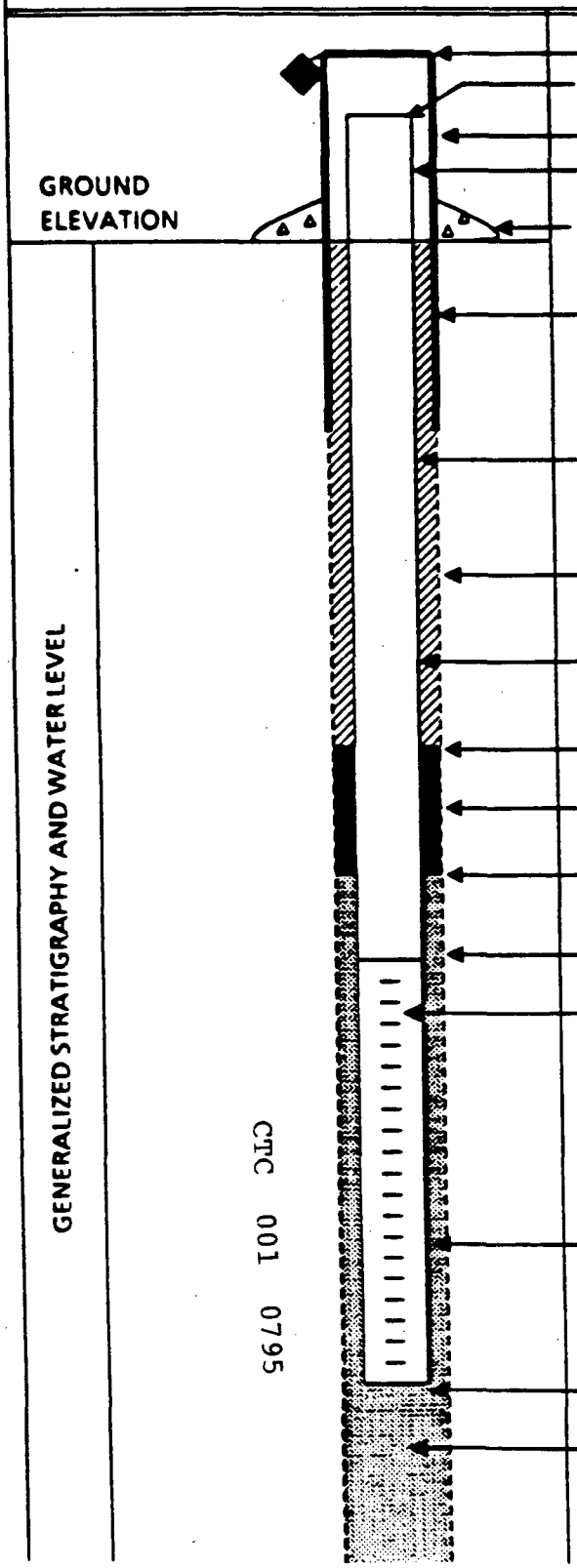
NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: CALDWELL TRUCKING
PROJECT NO.: $796
ELEVATION: 169.22
FIELD GEOLOGIST: DAVE KARMAZINSKI

LOCATION: FAIRFIELD TWP
BORING: P-1
DATE: 4/16/85

DRILLER: S. STOTHOFF CO INC
DRILLING METHOD:
DEVELOPMENT METHOD: AIR/PUMPING



ELEVATION OF TOP OF SURFACE CASING: 170.38
ELEVATION OF TOP OF RISER PIPE: 170.10
STICK - UP TOP OF SURFACE CASING: 1.16
STICK - UP RISER PIPE: 0.88
TYPE OF SURFACE SEAL: CEMENT
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 6"
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 130.52/38.7'
TYPE OF SEAL: BENTONITE PELLETS
DEPTH TOP OF SAND PACK: 43.7'
ELEVATION / DEPTH TOP OF SCREEN: 120.52/48.7'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: .010" 5'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: No 1 QUARTZ SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 115.52/53.7'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 115.52/53.7
TYPE OF BACKFILL BELOW OBSERVATION WELL:

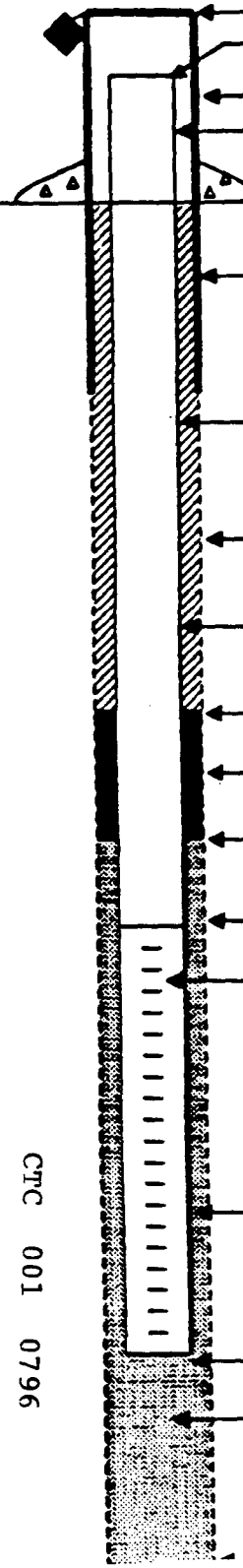
CTC 001 0795

NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: CALDWELL TRUCKING
PROJECT NO.: $796
ELEVATION: 169.26
FIELD GEOLOGIST: PAUL KARMAZINSKI
LOCATION: FAIRFIELD TWP
BORING: P-1A
DATE: 4/16/85

DRILLER: S. STOTHOFF & INC
DRILLING METHOD:
DEVELOPMENT METHOD: AIR/PUMPING



ELEVATION OF TOP OF SURFACE CASING: 170.82
ELEVATION OF TOP OF RISER PIPE: 169.86
STICK - UP TOP OF SURFACE CASING: 1.56'
STICK - UP RISER PIPE: 0.6'
TYPE OF SURFACE SEAL: CEMENT
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 6"
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 166.72/2.54'
TYPE OF SEAL: BENTONITE PELLETS
DEPTH TOP OF SAND PACK: 5.54'
ELEVATION / DEPTH TOP OF SCREEN: 162.72/6.54'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: .010 5'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: No 1 QUARTZ SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 157.72/11.54'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 157.72/11.54'
TYPE OF BACKFILL BELOW OBSERVATION WELL:

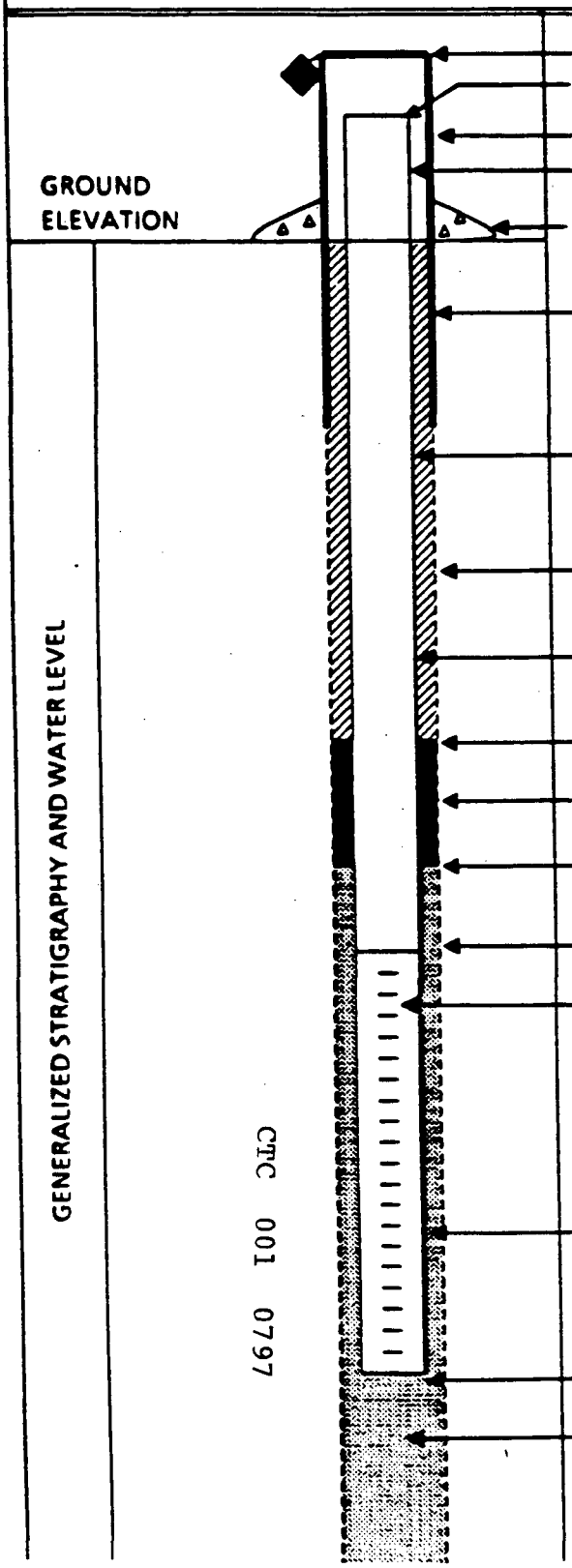
CTC 001 0796

NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: CALDWELL TRUCKING
LOCATION: FAIRFIELD TWP
PROJECT NO.: $796
BORING: P-2
ELEVATION: 168.47
DATE: 4/8/85
FIELD GEOLOGIST: PAUL KARMAZINSKI

DRILLER: S. STOTHOFF CO. INC
DRILLING METHOD:
DEVELOPMENT METHOD: AIR/PUMPING



ELEVATION OF TOP OF SURFACE CASING: 169.67
ELEVATION OF TOP OF RISER PIPE: 169.54
STICK - UP TOP OF SURFACE CASING: 1.2'
STICK - UP RISER PIPE: 1.07'
TYPE OF SURFACE SEAL: CEMENT
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 6"
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 117.97/50.5
TYPE OF SEAL: BENTONITE PELLETS
DEPTH TOP OF SAND PACK: 53.5'
ELEVATION / DEPTH TOP OF SCREEN: 109.97/58.5
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: .010 5'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: No 1 QUARTZ SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 104.97/63.5
ELEVATION / DEPTH BOTTOM OF SAND PACK: 104.97/63.5
TYPE OF BACKFILL BELOW OBSERVATION WELL:
104.97/63.

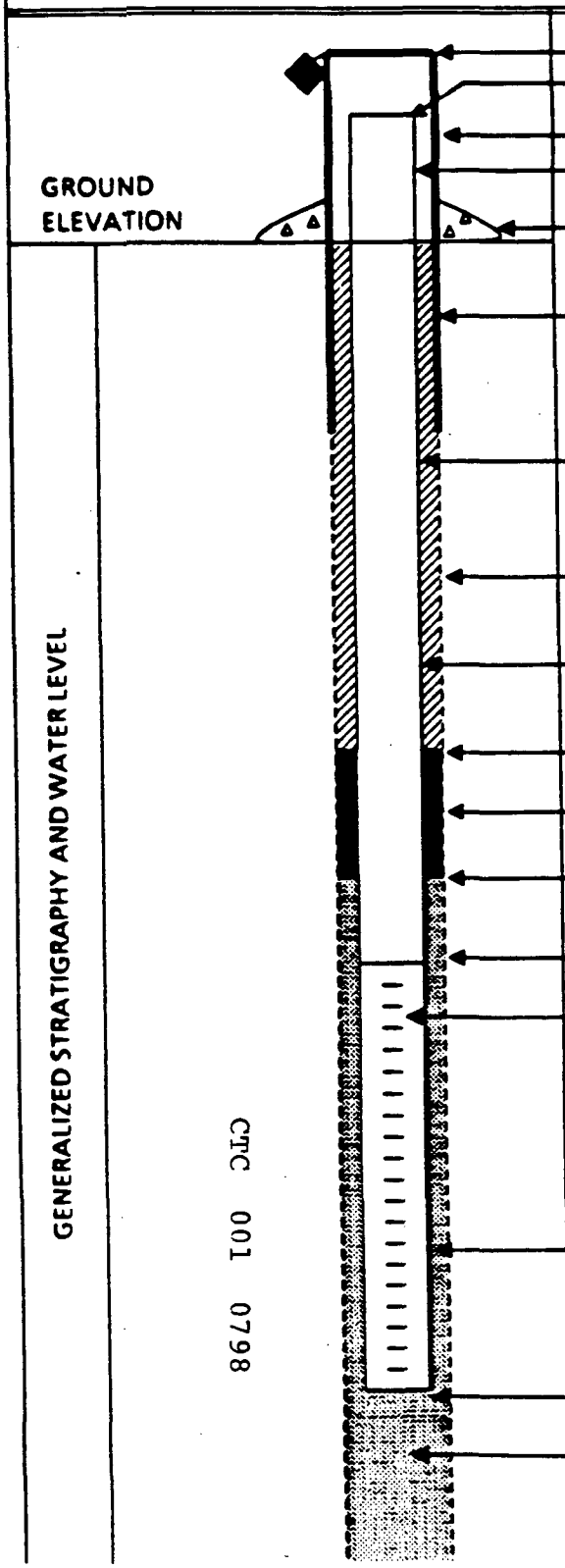
CTC 001 0797

NUS CORPORATION
A Halliburton Company

OVERBURDEN MONITORING WELL SHEET

PROJECT: CALDWELL TRUCKING
PROJECT NO.: $796
ELEVATION: 168.26
FIELD GEOLOGIST: PAUL L KARMAZINSKI
LOCATION: FAIRFIELD TWP
BORING: P-2A
DATE: 4/12/85

DRILLER: S. STOTHOFF CO. INC
DRILLING METHOD:
DEVELOPMENT METHOD: AIR/PUMPING



ELEVATION OF TOP OF SURFACE CASING: 169.67
ELEVATION OF TOP OF RISER PIPE: 169.05
STICK - UP TOP OF SURFACE CASING: 1.41'
STICK - UP RISER PIPE: 0.79'
TYPE OF SURFACE SEAL: CEMENT
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: CARBON STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 6"
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 164.31/3.95'
TYPE OF SEAL: BENTONITE PELLETS
DEPTH TOP OF SAND PACK: 6.95'
ELEVATION / DEPTH TOP OF SCREEN: 159.31/8.95'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: .010" 5'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: No 1 QUARTZ SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 154.31/13.95
ELEVATION / DEPTH BOTTOM OF SAND PACK: 154.31/13.95
TYPE OF BACKFILL BELOW OBSERVATION WELL:

CTC 001 0798

3

CTC 001 0799

DRAFT

SITE-SPECIFIC CLIMATE DATA

CTC 001 0800

NUS CORPORATION

DATE

CLIENT EPA FILE NO. $796 BY DRH

SUBJECT RAINFALL INFORMATION JULY-AUG Checked By

DATE	TIME	RAINFALL (INCHES)	
7-16-85	5:25 PM	0.0	
7-17-85	5:00 PM	0.0	
7-18-85	5:00 PM	0.0	
7-19-85	5:00 PM	0.0	
7-20-85	—	—	
7-21-85	—	—	
7-22-85	9:35 AM	0.36	
7-23-85	5:00 PM	0.0	
7-24-85	5:00 PM	0.0	
7-25-85	5:00 PM	0.0	
7-26-85	4:52 PM	1.05	
7-27-85	2:24 PM	0.64	
7-28-85	—	—	
7-29-85	—	—	
7-30-85	8:24 PM	0.0	
7-31-85	10:30 AM	0.0	
		2.05	TOTAL
8-1-85	8:20 AM	0.44	
8-2-85	5:00 PM	0.0	
8-3-85	—	—	
8-4-85	—	—	
8-5-85	4:43 PM	0.0	
8-6-85	10:12 AM	0.0	
8-7-85	12:00 PM	0.0	
8-8-85	11:12 AM	0.41	
8-9-85	5:00 PM	0.0	
8-10-85	—	—	
8-11-85	—	—	
8-12-85	—	—	
8-13-85	6:30 PM	0.0	
8-14-85	6:40 PM	0.0	
8-15-85	5:00 PM	0.0	
8-16-85	5:00 PM	0.0	

CTC 001 0801

NUS CORPORATION

DATE

CLIENT EPA FILE NO. $796 BY DRH

SUBJECT RAINFALL INFORMATION JULY - AUG Checked By

DATE	TIME	RAINFALL
8-17-85	5:00 PM	0.0
8-18-85	5:00 PM	0.0
8-19-85	4:44 PM	0.11
8-20-85	5:00 PM	0.0
8-21-85	5:00 PM	0.0
8-22-85	5:00 PM	0.0
8-23-85	5:00 PM	0.0
8-24-85	5:00 PM	0.0
8-25-85	6:00 PM	1.01
8-26-85	5:00 PM	0.19
8-27-85	4:00 PM	0.0
8-28-85	—	—
8-29-85	—	—
8-30-85	—	—
8-31-85	—	—
		2.16 TOTAL

CTC 001 0802

NUS CORPORATION

DATE

CLIENT EPA FILE NO. $796 CALDWELL BY DRH

SUBJECT BAROMETRIC PRESSURE ESSEX COUNTY AIRPORT Checked By

DATE	TIME	READING (INCHES)
7/16/85	4:37 PM	29.91
7/17/85	11:07 AM	30.14
7/18/85	1:42 PM	30.15
7/19/85	3:32 PM	30.06
7/20/85	—	—
7/21/85	—	—
7/22/85	9:27 AM	29.82
	4:16 PM	29.81
7/23/85	9:29 AM	30.04
7/24/85	8:23 AM	30.30
	5:15 PM	30.27
7/25/85	8:44 AM	30.30
	5:25 PM	30.19
7/26/85	8:03 AM	29.91
	4:51 PM	29.87
7/27/85	11:02 AM	30.00
7/28/85	—	—
7/29/85	—	—
7/30/85	8:24 AM	30.10
7/31/85	9:1[illegible] AM	30.08
	4:05 PM	29.96
8/1/85	10:55 AM	29.91
	1:50 PM	29.94
	12:45 PM	29.97
8/2/85	2:50 AM	30.04
	10:54 AM	30.13
	4:50 PM	30.16
	6:50 PM	30.15
	11:50 PM	30.18

CTC 001 0803

NUS CORPORATION

DATE

CLIENT EPA FILE NO. 0796 [illegible] BY DRH

SUBJECT BAROMETRIC PRESSURE ESSEX COUNTY AIRPORT Checked By

DATE	TIME	READING (INCHES)
8/3/85	2:45 AM	30.23
	10:55 AM	30.28
	6:55 PM	30.22
	11:50 PM	30.22
8/4/85	2:45 AM	30.25
	1:45 PM	30.26
	7:45 PM	30.22
	11:45 PM	30.22
8/5/85	2:45 AM	30.25
	10:55 AM	30.28
	6:45 PM	30.24
	10:45 PM	30.22
8/6/85	2:45 AM	30.26
	12:50 PM	30.26
	11:45 PM	30.18
8/7/85	2:45 AM	30.19
	10:55 AM	30.13
	6:50 PM	30.04
	11:50 PM	30.00
8/8/85	2:45 AM	30.01
	10:55 AM	29.98
	2:55 PM	30.01
	8:50 PM	29.95
8/9/85	10:55 AM	30.07
	2:50 PM	30.09
	9:50 PM	30.03
	11:50 PM	30.06
8/10/85	1:45 AM	30.10
	12:45 PM	30.12
	1:50 PM	30.02
8/11/85	2:45 AM	30.04
	10:55 AM	30.03
	5:54 PM	29.99

CTC 001 0804

NUS CORPORATION

DATE

CLIENT EPA FILE NO. $796 CALDWELL BY DRH

SUBJECT BAROMETRIC PRESSURE ESSEX COUNTY AIRPORT Checked By

DATE	TIME	READING (INCHES)
8/11/85	11:45 PM	29.96
8/12/85	2:45 AM	30.01
	10:55 AM	30.08
	2:40 PM	30.13
	9:45 PM	30.07
8/13/85	2:45 AM	30.13
	10:55 AM	30.16
	5:50 PM	30.11
	10:50 PM	30.06
8/14/85	2:50 AM	30.09
	10:55 AM	30.07
	6:50 PM	30.02
	9:50 PM	30.00
8/15/85	1:50 AM	30.05
	10:50 AM	30.00
	6:50 PM	29.92
	11:50 PM	29.86
8/16/85	2:50 AM	29.91
	10:50 AM	29.95
	5:45 PM	30.02
8/17/85	2:45 AM	30.07
	10:45 AM	30.12
	2:50 PM	30.16
	9:45 PM	30.10
	11:50 PM	30.13
8/18/85	2:45 AM	30.16
	3:50 PM	30.19
	11:45 PM	30.12
8/19/85	2:45 AM	30.12
	10:50 AM	30.05
	7:45 PM	30.03
	11:45 PM	30.01

CTC 001 0805

NUS CORPORATION

DATE

CLIENT EPA FILE NO. $796 CALDWELL BY DRH

SUBJECT BAROMETRIC PRESSURE ESSEX COUNTY AIRPORT Checked By

DATE	TIME	READING (INCHES)
8/20/85	2:45 AM	30.02
	10:55 AM	30.07
	5:45 PM	30.08
	9:50 PM	30.04
8/21/85	2:45 AM	30.07
	12:45 PM	30.09
	7:45 PM	30.03
	10:50 PM	30.01
8/22/85	2.45 AM	30.06
	12:59 PM	30.08
	6:50 PM	30.05
	11:45 PM	30.09
8/23/85	2:45 AM	30.12
	10:55 AM	30.16
	2:50 PM	30.17
	9:45 PM	30.12
8/24/85	2:45 AM	30.17
	10:55 AM	30.18
	5:50 PM	30.15
	11:50 PM	30.11
8/25/85	2:45 AM	30.13
	10:55 AM	30.11
	8:45 PM	30.12
	11:45 PM	30.13
8/26/85	2:45 AM	30.15
	10:55 AM	30.14
	3:45 PM	30.17
	10:50	30.10
8/27/85	2:45 AM	30.14
	10:55 AM	30.16
	3:45 PM	30.19
	9:50 PM	30.14

CTC 001 0806

NUS CORPORATION

DATE

CLIENT EPA FILE NO. $796 BY DRH

SUBJECT BAROMETRIC PRESSURE ESSEX COUNTY AIRPORT Checked By

DATE	TIME	READING (INCHES)
8/28/85	2:55 AM	30.20
	10:55 AM	30.22
	6:45 PM	30.15
	10:50 PM	30.12
8/29/85	2:50 AM	30.15
	10:55 AM	30.16
	5:45 PM	30.15
	11:50 AM	30.11
8/30/85	2:50 AM	30.13
	11:55 AM	30.00
	5:45 PM	29.86
	11:45 PM	29.76
8/31/85	2:45 AM	29.80
	11:00 AM	29.93
	5:55 AM	30.03
	11:45 PM	30.12

4

CTC 001 0808

DRAFT

FIELD TEST RESULTS AND CALCULATIONS

CTC 001 0809

NUS CORPORATION

Page ____ of ____

DATE ____

CLIENT EPA FILE NO. $796 Caldwell BY DRH

SUBJECT ____ Checked By ____

GLACIAL SEDIMENT

IN-SITU TESTING

RESULTS

CTC 001 0810

NUS CORPORATION

Page 1 of

DATE 7-2-85

CLIENT EPA FILE NO. CALDWELL TRUCKING $796 BY DRH

SUBJECT [illegible] TEST - [illegible] Checked By CLN

WELL #2A

STATIC WATER LEVEL - 10.48 FT DTW (FROM OUTER CASING)

Q = 7.5 gpm

DRAWDOWN

TIME (min)	READING (DTW)	h
0	10.48 FT	
3.0	19.53 FT	9.05 FT
4.0	21.43 FT	10.95 FT
8.0	25.55 FT	15.07 FT
10.0	26.98 FT	16.50 FT
15.0	28.82 FT	18.34 FT
20.0	29.57 FT	19.09 FT
30.0	30.81 FT	20.33 FT
40.0	31.28 FT	20.80 FT
50.0	31.75 FT	21.27 FT
60.0	32.00 FT	21.52 FT
85.0	32.58 FT	22.10 FT

RECOVERY

TIME (min)	READING (DTW)
0	32.62 FT
0.25	30.10 FT
0.50	27.57 FT
0.75	25.40 FT
1.0	23.76 FT
1.5	20.45 FT
[illegible]	17.76 FT
2.5	15.80 FT
3.0	14.20 FT
3.5	13.00 FT
4.0	12.15 FT
[illegible]	11.54 FT

CTC 001 0811

NUS CORPORATION

Page 2 of

DATE 7-2-85

CALDWELL TRUCKING

CLIENT EPA FILE NO. 5796 BY DRH

SUBJECT Checked By

[illegible] #2A CONT

RECOVERY (CONT)

[illegible] (min)	READING (DTW)
5.0	11.15 FT
6.0	10.70 FT
7.0	10.65 FT
8.0	10.63 FT
9.0	10.58 FT
10.0	10.55 FT
12.33	10.53 FT
14.33	10.52 FT
16.0	10.52 FT
18.0	10.52 FT
20.0	10.52 FT
24.0	10.50 FT
30.0	10.50 FT
60.0	10.47 FT

CTC 001 0812

NUS CORPORATION

Page ____ of ____

DATE 7-2-85

CDL-TEST

CLIENT EPA FILE NO. $796 BY DRH - ANALYSIS (10/7/

SUBJECT SINGLE WELL PUMP TEST - DRAWDOWN ~~RECOVERY~~ Checked By ____

WELL #2A

NAVFAC CASE (c)

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln(L/R) \ln(h_1/h_2)$$

$L/R > 8$

$L/R = 20/0.167$

$L/R = 119.8$

RECOVERY DATA

(ASSUME 20' - NO WELL DRAW)

$L = 20$ FT

$R = 2$ in $= 0.167$ FT

$h_1 = 30.10$ FT

$t_1 = 0.25$ min

$h_2 = 10.70$ FT

$t_2 = 6.0$ min

$$K = \frac{(0.167\,FT)^2}{2(20\,FT)(6.0\,min - 0.25\,min)} \ln(20FT/0.167FT) \ln\left(\frac{30.10\,FT}{10.70\,FT}\right)$$

$$K = \frac{0.027889\,FT^2}{230\,FT\,MIN} \ln(119.76) \ln(2.81)$$

$$K = (1.213 \times 10^{-4}\,FT/min)(4.79)(1.03)$$

$$K = 5.99 \times 10^{-4}\,FT/min \times \frac{1\,min}{60\,sec} = 9.98 \times 10^{-6}\,FT/sec$$

$$K = 9.98 \times 10^{-6}\,FT/sec \times 30.48 = \boxed{3.04 \times 10^{-4}\,cm/sec}$$

CTC 001 0813

NUS CORPORATION

Page 1 of

DATE 10-8-85

CLIENT EPA FILE NO. 5746 BY CLN

SUBJECT HYDRAULIC CONDUCTIVITY CALC. - VARIABLE HEAD & BASIC TIME LAG Checked By DRit

WELL #2A

VAR. HEAD

$$K = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot (t_2 - t_1)} \ln\left(\frac{h_1}{h_2}\right) \qquad \frac{mL}{D} > 4$$

$d = 4'' = 0.33$ ft
$D = 8'' = 0.67$ ft
$m = 1$
$L = 10$ ft

$h_1 = 30.10$ ft
$t_1 = 0.25$ min
$h_2 = 10.70$ ft
$t_2 = 6.0$ min

$$K = \frac{(0.33\text{ ft})^2 \ln\left(\frac{2(1)(20\text{ ft})}{0.67\text{ ft}}\right)}{8(20\text{ ft})(6.0\text{ min} - 0.25\text{ min})} \ln\left(\frac{30.10\text{ ft}}{10.70\text{ ft}}\right)$$

$= 5.01 \times 10^{-4}$ ft/min

K/60 sec $= 8.3 \times 10^{-6}$ ft/sec

K x 30.48 $= \boxed{2.54 \times 10^{-4} \text{ cm/sec}}$

BASIC TIME LAG

T = 108 seconds (from graph)

$$K = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot T} = \frac{(0.33\text{ ft})^2 \cdot \ln\left(\frac{2(1)(20)}{0.67}\right)}{8(10)(108\text{ seconds})}$$

$K = 5.15 \times 10^{-5}$ ft/sec

$= \boxed{1.57 \times 10^{-3} \text{ cm/sec}}$

CTC 001 0814

NUS CORPORATION

Page 2 of

DATE 10-8-85

CLIENT EPA FILE NO. 5796 BY CLN

SUBJECT RECOVERY DATA FOR BASIC TIME LAG Checked By

WELL # 2A CONT

RDG #	DEPTH (D)	H (D_s-D)	$\frac{H}{H_o}$	Elapsed time (min)
1	30.10	-19.62	0.89	0.25
2	27.57	-17.09	0.77	0.50
3	25.40	-14.92	0.67	0.75
4	23.76	-13.28	0.60	1.0
5	20.45	-9.97	0.45	1.5
6	17.76	-7.28	0.33	2.0
7	15.80	-5.32	0.24	2.5
8	14.20	-3.72	0.17	3.0
9	13.10	-2.52	0.11	3.5
10	12.15	-1.67	0.08	4.0
11	11.54	-1.06	0.05	4.5
12	11.15	-0.67	0.03	5.0
13	10.70	-0.22	0.01	6.0
14	10.65	-0.17	0.008	7.0
15	10.63	-0.15	0.007	8.0
16	10.58	-0.10	0.005	9.0
17	10.55	-0.07	0.003	10.0
18	10.53	-0.05	0.002	12.08
19	10.52	-0.04	0.002	14.33
20	10.52	-0.04	0.002	16.0
21	10.52	-0.04	0.002	18.0
22	10.52	-0.04	0.002	20.0
23	10.50	-0.02	0.001	24.0
24	10.50	-0.02	0.001	30.0
25	10.47	+0.01	-0.001	60.0

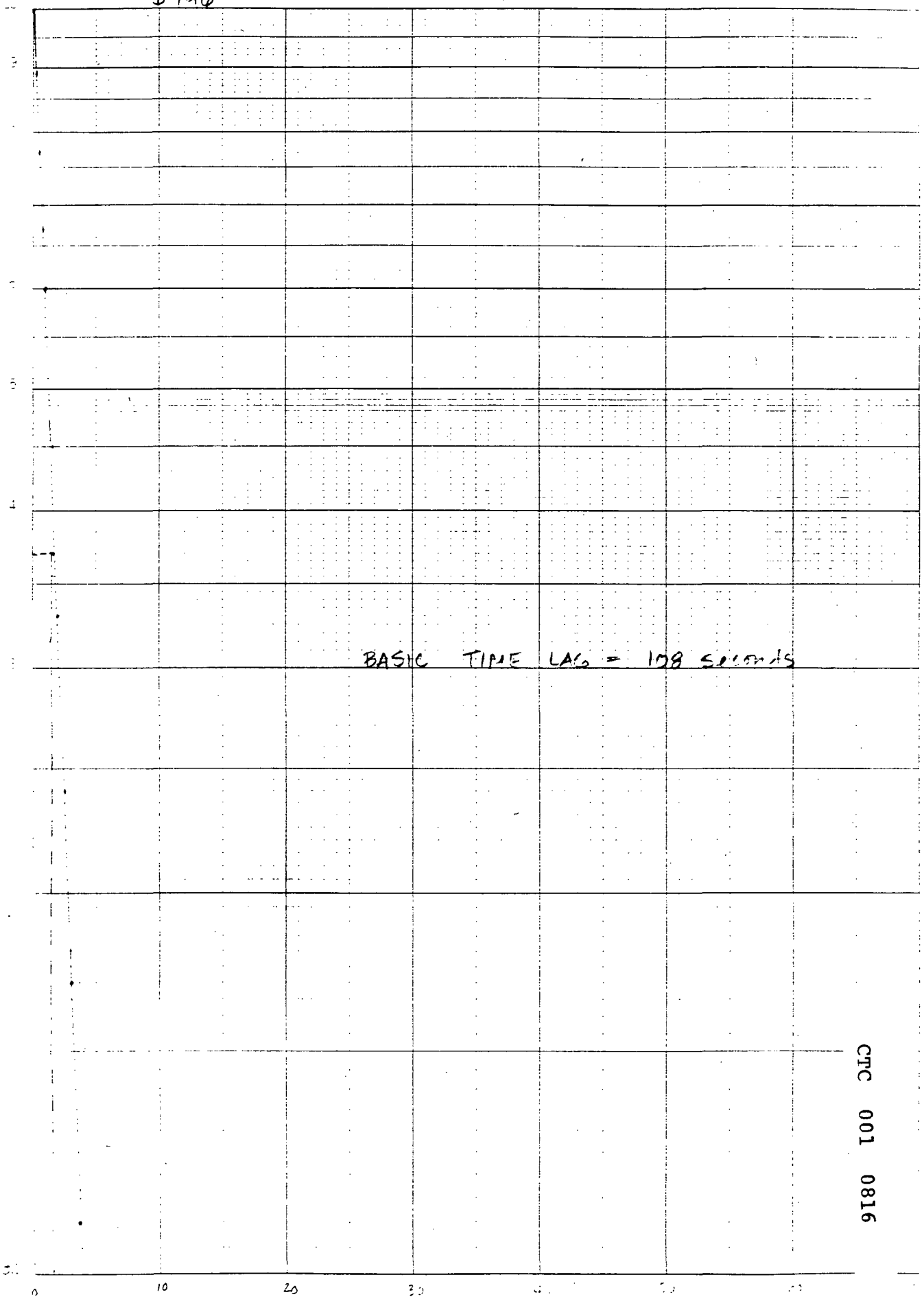
D_s = 25.58 ft

D_o = 31.92 ft

H_o = -6.34 ft

CTC 001 0815

CALDWELL TRUCKING WELL #2A
$796



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CTC 001 0816

NUS CORPORATION

Page 1 of

DATE 5-16-85

TEST CDL

CLIENT EPA FILE NO. $796 BY DRH - ANALYSIS (10/31

SUBJECT SINGLE WELL PUMP TEST - DRAWDOWN RECOVERY Checked By CLN

WELL #3A

DRAWDOWN

Q = 0.46 gpm

TIME (min)	READING (DTW)	h
0.0	27.06 FT	
3.0	28.00 FT	
6.0	28.57 FT	
10.0	29.08 FT	
15.0	29.50 FT	
20.0	29.74 FT	
25.0	29.88 FT	
30.0	29.98 FT	
35.0	30.05 FT	
40.0	30.11 FT	
45.0	30.17 FT	
50.0	30.23 FT	
55.0	30.27 FT	
60.0	30.29 FT	
65.0	30.33 FT	
70.0	30.35 FT	

RECOVERY

TIME (min)	READING (DTW)	h
0.25 (70.25)	30.20 FT	
0.50 (70.50)	30.15 FT	
0.75 (70.75)	30.08 FT	
1.00 (71.00)	30.02 FT	
1.15 (71.15)	29.97 FT	
25.0 (95.0)	27.43 FT	
30.0 (100.0)	27.32 FT	
35.0 (110.0)	27.19 FT	

CTC 001 0817

NUS CORPORATION

Page 2 of

DATE 5-16-85

CLIENT EPA FILE NO. 5796 BY CDL - TEST DRH - ANALYSIS

SUBJECT Checked By

WELL # 3A

RECOVERY TEST

Q = 0.46 gpm

TIME (min)	READING (DTW)	h
60.0 (130.0)	27.09 FT	

WELL # 3A

NAVFAC CASE (c)

RECOVERY DATA

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln(L/R) \ln(h_1/h_2)$$

$L/R > 8$

L = 10 FT
R = 2 inch = 0.167 FT
h_1 = 30.20 FT (DTW)
t_1 = 0.25 min
h_2 = 27.09 FT (DTW)
t_2 = 60.0 min

$$K = \frac{(0.167\,FT)^2}{2(10\,FT)(60.0\,min - 0.25\,min)} \ln\left(\frac{10\,FT}{0.167\,FT}\right)\left(\frac{30.20\,FT}{27.09\,FT}\right)$$

$$K = \frac{0.027889\,FT^2}{1195.0\,FT\ MIN} \ln(59.88) \ln(1.115)$$

$$K = 1.04 \times 10^{-5}\,FT/min \times \frac{1\,min}{60\,sec} = 1.73 \times 10^{-7}\,FT/sec$$

$$K = 1.73 \times 10^{-7}\,FT/sec \times 30.48 = \boxed{5.28 \times 10^{-6}\,CM/sec}$$

CTC 001 0818

NUS CORPORATION

Page 1 of

DATE 10-3-85

CLIENT EDA FILE NO. 5746 BY CLN

SUBJECT HYDRAULIC CONDUCTIVITY CALC. VARIABLE HEAD VS BASIC TIME LAG Checked By DRH

WELL # 3A

VAR. HEAD

$d = 4'' = 0.33$ ft
$D = 8'' = 0.67$ ft
$m = 1$
$L = 10$ ft
$h_1 = 30.20$ ft
$t_1 = 0.25$ min
$h_2 = 27.09$ ft
$t_2 = 60.0$ min

$\frac{mL}{D} > 4$

$$k = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot (t_2 - t_1)} \ln\left(\frac{h_1}{h_2}\right)$$

$$k = \frac{(0.33\text{ft})^2 \cdot \ln\left(\frac{2(1)(10\text{ ft})}{0.67\text{ ft}}\right)}{8(10)(60\text{min} - 0.25\text{ min})} \ln\left(\frac{30.20\text{ ft}}{27.09\text{ ft}}\right)$$

$= 8.4 \times 10^{-6}$ ft/min
$= 1.0 \times 10^{-7}$ ft/sec
$= 4.3 \times 10^{-6}$ cm/sec

BASIC TIME LAG

T = 11 minutes (from graph)

$$K_h = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot T}$$

$$k = \frac{(0.33\text{ft})^2 \cdot \ln(2(10\text{ ft})/0.67\text{ ft})}{8(10\text{ ft})(11\text{ minutes})}$$

$= 4.2 \times 10^{-4}$ ft/min
$= 7.0 \times 10^{-6}$ ft/sec
$= 2.14 \times 10^{-4}$ cm/sec

CTC 001 0819

NUS CORPORATION

Page 1 of

DATE 5-16-85

TEST CDL

CLIENT EPA FILE NO. $796 BY DRH-ANALYSIS (10/31

SUBJECT SINGLE WELL PUMP TEST - DRAWDOWN RECOVERY Checked By CLN

WELL #3A

Q = 0.46 gpm

DRAWDOWN

TIME (min)	READING (DTW)	h
0.0	27.06 FT	
3.0	28.00 FT	
6.0	28.57 FT	
10.0	29.08 FT	
15.0	29.50 FT	
20.0	29.74 FT	
25.0	29.88 FT	
30.0	29.98 FT	
35.0	30.05 FT	
40.0	30.11 FT	
45.0	30.17 FT	
50.0	30.23 FT	
55.0	30.27 FT	
60.0	30.29 FT	
65.0	30.33 FT	
70.0	30.35 FT	

RECOVERY

TIME (min)	READING (DTW)	h
0.25 (70.25)	30.20 FT	
0.50 (70.50)	30.15 FT	
0.75 (70.75)	30.08 FT	
1.00 (71.00)	30.02 FT	
1.15 (71.15)	29.97 FT	
25.0 (95.0)	27.43 FT	
30.0 (100.0)	27.32 FT	
35.0 (110.0)	27.19 FT	

CTC 001 0820

NUS CORPORATION

Page 2 of

DATE 5-16-85

CLIENT EPA FILE NO. $796 BY CDL - TEST DRH - ANALYSIS

SUBJECT Checked By

WELL # 3A

RECOVERY CON'T

$Q = 0.46$ gpm

TIME (min)	READING (DTW)	h
60.0 (130.0)	27.09 FT	

WELL # 3A

NAVFAC CASE (c)

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln(L/R) \ln(h_1/h_2)$$

$L/R > 8$

RECOVERY DATA

$L = 10$ FT
$R = 2$ inch $= 0.167$ FT
$h_1 = 30.20$ FT (DTW)
$t_1 = 0.25$ min
$h_2 = 27.09$ FT (DTW)
$t_2 = 60.0$ min

$$K = \frac{(0.167\,FT)^2}{2(10\,FT)(60.0\,min - 0.25\,min)} \ln\left(\frac{10\,FT}{0.167\,FT}\right)\left(\frac{30.20\,FT}{27.09\,FT}\right)$$

$$K = \frac{0.027889\,FT^2}{1195.0\,FT\ MIN} \ln(59.88) \ln(1.115)$$

$$K = 1.04 \times 10^{-5}\,FT/min \times \frac{1\,min}{60\,sec} = 1.73 \times 10^{-7}\,FT/sec$$

$$K = 1.73 \times 10^{-7}\,FT/sec \times 30.48 = \boxed{5.28 \times 10^{-6}\,cm/sec}$$

CTC 001 0821

NUS CORPORATION

Page 1 of

DATE 10-3-35

CLIENT EPA FILE NO. $746 BY CLN

SUBJECT HYDRAULIC CONDUCTIVITY CALC. VARIABLE HEAD VS BASIC TIME LAG Checked By DRH

WELL # 3A

VAR. HEAD

$d = 4'' = 0.33$ ft
$D = 8'' = 0.67$ ft
$m = 1$
$L = 10$ ft
$h_1 = 30.20$ ft
$t_1 = 0.25$ min
$h_2 = 27.09$ ft
$t_2 = 60.0$ min

$\frac{mL}{D} > 4$

$$k = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot (t_2 - t_1)} \ln\left(\frac{h_1}{h_2}\right)$$

$$k = \frac{(0.33\text{ft})^2 \cdot \ln\left(\frac{2(1)(10\text{ ft})}{0.67\text{ ft}}\right)}{8(10)(60\text{min} - 0.25\text{ min})} \ln\left(\frac{30.20\text{ ft}}{27.09\text{ ft}}\right)$$

$= 8.4 \times 10^{-6}$ ft/min
$= 1.0 \times 10^{-7}$ ft/sec
$= \boxed{4.3 \times 10^{-6} \text{ cm/sec}}$

BASIC TIME LAG

T = 11 minutes (from graph)

$$K_h = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot T}$$

$$k = \frac{(0.33\text{ft})^2 \cdot \ln(2(10\text{ ft}) / 0.67\text{ ft})}{8(10\text{ ft})(11\text{ minutes})}$$

$= 4.2 \times 10^{-4}$ ft/min
$= 7.0 \times 10^{-6}$ ft/sec
$= \boxed{2.14 \times 10^{-4} \text{ cm/sec}}$

CTC 001 0822

NUS CORPORATION

Page 1 of

DATE 10-3-85

CLIENT EPA FILE NO. 7796 BY CLN

SUBJECT HYDRAULIC CONDUCTIVITY CALC VARIABLE HEAD VS BASIC TIME LAG Checked By DRH

WELL # 5A

$d = 4'' = 0.33\ ft$
$D = 8'' = 0.67\ ft$
$m = 1$
$L = 10\ ft$
$h_1 = 36.48\ ft$
$t_1 = 0.25\ min$
$h_2 = 22.89\ ft$
$t_2 = 90\ min$

VAR. HEAD

$$K = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot (t_2 - t_1)} \ln\left(\frac{h_1}{h_2}\right)$$

$$K = \frac{(0.33\ ft)^2 \cdot \ln\left(\frac{2(10\ ft)}{0.67\ ft}\right)}{8(10\ ft)(90\ min - 0.25\ min)} \ln\left(\frac{36.48\ ft}{22.89\ ft}\right)$$

$= 2.46 \times 10^{-4}\ ft/min$
$= 4.1 \times 10^{-6}\ ft/sec$
$= 1.25 \times 10^{-4}\ cm/sec$

BASIC TIME LAG

$T = 137$ seconds

$$k = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot T}$$

$$k = \frac{(0.33\ ft)^2 \cdot \ln(2(10\ ft)/0.67\ ft)}{8(10\ ft)(137\ seconds)}$$

$= 3.37 \times 10^{-5}\ ft/sec$
$= 1.03 \times 10^{-3}\ cm/sec$

CTC 001 0823

NUS CORPORATION

Page 2 of

DATE 10-8-85

CLIENT EPA FILE NO. $ 796 BY CLN

SUBJECT RECOVERY DATA FOR BASIC TIME AG Checked By

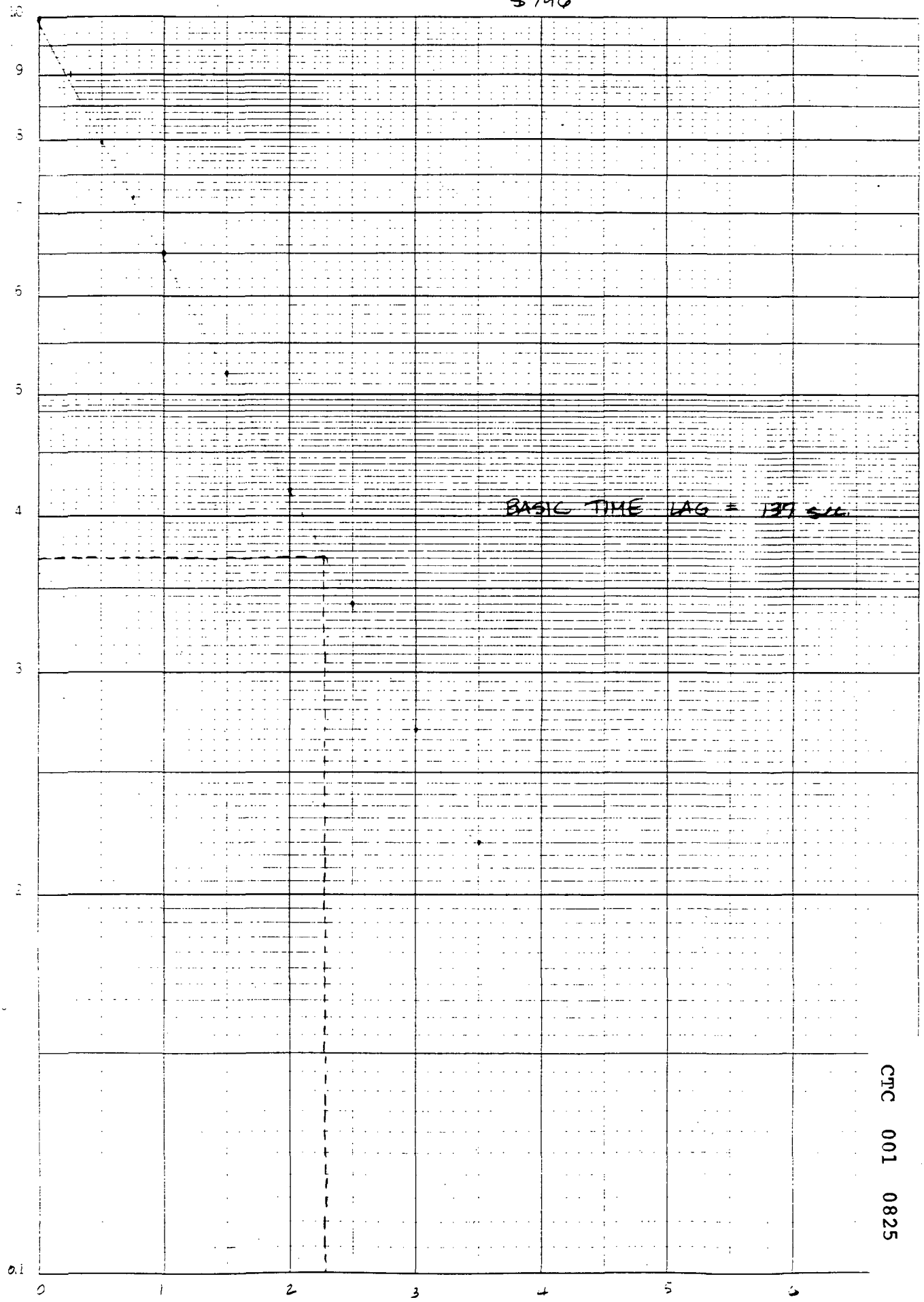
RDG #	DEPTH (D)	H (D_s-D)	$\frac{H}{H_o}$	Elapsed Time (min)
1	38.02	-15.47	1.0	0
2	36.48	-13.93	0.90	0.25
3	34.86	-12.31	0.796	0.50
4	33.73	-11.18	0.72	0.75
5	32.64	-10.09	0.65	1.0
6	30.57	-8.02	0.52	1.5
7	29.08	-6.53	0.42	2.0
8	27.79	-5.24	0.34	2.5
9	26.77	-4.22	0.27	3.0
10	25.98	-3.43	0.22	3.5
11	25.29	-2.74	0.18	4.0
12	24.78	-2.23	0.14	4.5
13	24.35	-1.80	0.12	5.0
14	24.00	-1.45	0.09	5.5
15	23.69	-1.14	0.07	6.0
16	23.43	-0.88	0.06	6.5
17	23.30	-0.75	0.05	7.0
18	23.17	-0.62	0.04	7.5
19	23.07	-0.52	0.03	8.0
20	22.96	-0.41	0.027	8.5
21	22.89	-0.34	0.022	9.0
22	22.82	-0.27	0.017	9.5
23	22.79	-0.24	0.016	10.0
24	22.74	-0.19	0.012	10.5
25	22.71	-0.16	0.010	11.0
26	22.67	-0.12	0.007	12.0
27	22.63	-0.08	0.005	13.0
28	22.61	-0.06	0.004	15.0
29	22.58	-0.03	0.002	17.0
30	22.57	-0.02	0.001	20.0

D_s = 22.55 ft
D_o = 38.02 ft
H_o = -15.47 ft

CTC 001 0824

WELL # 5A

CALDWELL TRACKING
$796



46 4650

CTC 001 0825

NUS CORPORATION

Page 2 of

DATE 10-8-85

CLIENT EPA FILE NO. $796 BY CLN

SUBJECT RECOVERY DATA FOR BASIC TIME LAG Checked By

RDG #	DEPTH (D)	H (D_s - D)	$\frac{H}{H_o}$	Elapsed time (min)
1	30.20	-3.14	0.95	0.25
2	30.15	-3.09	0.94	0.50
3	30.08	-3.02	0.92	0.75
4	30.02	-2.96	0.90	1.00
5	29.97	-2.91	0.88	1.15
6	27.43	-0.37	0.11	25.0
7	27.32	-0.26	0.08	30.0
8	27.19	-0.13	0.04	35.0
9	27.09	-0.03	0.01	60.0

D_s = 27.06 ft

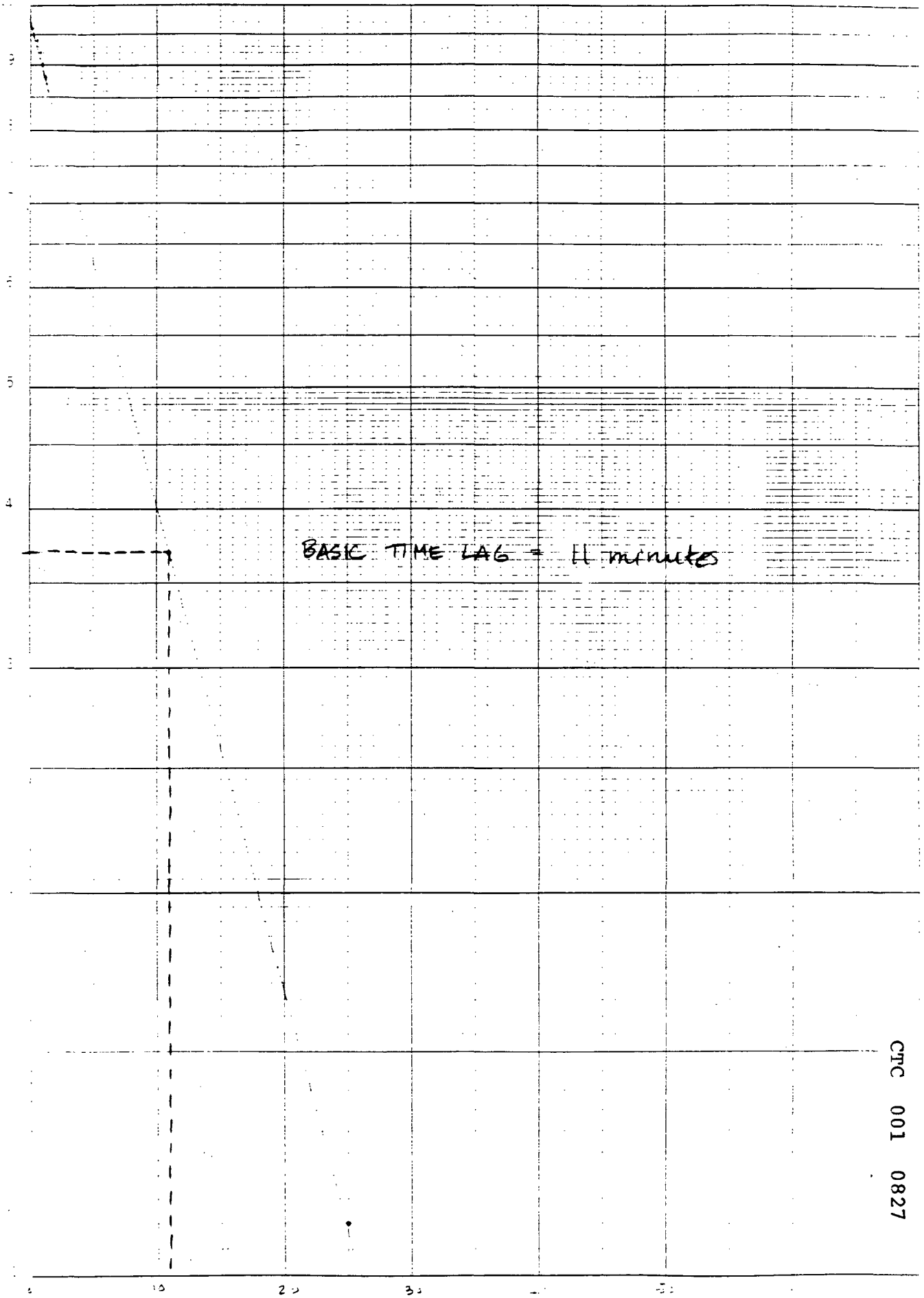
D_o = 30.35 ft

H_o = -3.29 ft

CTC 001 0826

CALDWELL TRACKING
$ 79%

WELL # 3A



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CTC 001 0827

NUS CORPORATION

Page 1 of

DATE 5-28-85

CLIENT EPA FILE NO. $796 BY CDL - TEST DRH - ANALYSIS

SUBJECT SINGLE WELL PUMP TEST - DRAWDOWN RECOVERY Checked By CLN

WELL # 4A

DRAWDOWN

Q= 20.0gpm

TIME (min)	READING (DTW)	h
0.0	25.58 FT	0
3.0	29.61 FT	4.33
8.0	30.20 FT	4.92
13.0	30.45 FT	5.17
18.0	30.64 FT	5.36
23.0	30.84 FT	5.56
28.0	30.98 FT	5.70
33.0	31.10 FT	5.82
38.0	31.19 FT	5.91
43.0	31.29 FT	6.01
44.0	31.44 FT	6.16
53.0	31.58 FT	6.30
58.0	31.70 FT	6.42
63.0	31.78 FT	6.50
68.0	31.84 FT	6.56
73.0	31.88 FT	6.60
78.0	31.92 FT	6.64

RECOVERY

TIME (min)	READING (DTW)	h
0.0	31.92 FT	
1.0 (79.0)	25.89 FT	
1.5 (79.5)	25.83 FT	
2.0 (80.0)	25.82 FT	
2.5 (80.5)	25.81 FT	
3.0 (81.0)	25.80 FT	
3.5 (81.5)	25.80 FT	

CTC 001 0828

NUS CORPORATION

Page 2 of

DATE 5-23-85

CLIENT EPA FILE NO. $796 BY CJL - TEST DRH - ANALYSIS

SUBJECT Checked By

WELL # 4A CON'T

RECOVERY

TIME (min)	READING (DTW)	h
4.0 (82.0)	25.79 FT	
5.0 (83.0)	25.78 FT	
7.0 (85.0)	25.76 FT	
12.0 (90.0)	25.75 FT	
22.0 (100.0)	25.75 FT	
69.0 (147.0)	25.75 FT	

FROM DRAWDOWN DATA
$h_2 = 29.60$
$t_2 = 3.0$ min

$L = 20$ ft
$R = 2$ inches $= 0.167$
$h_1 = 31.70$ FT DTW
$t_1 = 58.0$ min

NAVFAC CASE (C)

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln\left(\frac{L}{R}\right) \ln\left(\frac{h_2}{h_1}\right)$$

$$K = \frac{(0.167\,ft)^2}{2(20\,ft)(3.0 - 58.0\,min)} \ln\left(\frac{20\,ft}{0.167\,ft}\right) \ln\left(\frac{29.60\,FT}{31.70\,FT}\right)$$

$$K = \frac{0.0279\,FT^2}{-2200.0\,ft\,min}(4.785)(-0.0685)$$

$$K = 0.00000416\ FT/min \times \frac{1\,min}{60\,sec} = 0.00000069\ FT/sec$$

$$K = 0.00000069\ FT/sec \times 30.48 = 0.0000021 = \boxed{2.1 \times 10^{-6}\ cm/sec}$$

CTC 001 0829

NUS CORPORATION

Page 1 of

DATE 10-3-85

CLIENT EPA FILE NO. $796 BY CCN

SUBJECT HYDRAULIC CONDUCTIVITY CALC - VS BASIC TIME LAG (VARIABLE HEAD) Checked By DRH

WELL # 4A

VAR. HEAD

USING DRAWDOWN DATA

$d = 4'' = 0.33$ ft
$D = 8'' = 0.67$ ft
$m = 1$
$L = 20$ ft
$h_1 = 31.70$ ft
$t_1 = 58.0$ min
$h_2 = 29.61$ ft
$t_2 = 3.0$ min

$$K = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot (t_1 - t_2)} \ln\left(\frac{h_1}{h_2}\right)$$

$$K = \frac{(0.33\text{ ft})^2 \cdot \ln\left(\frac{2(20\text{ ft})}{0.67\text{ ft}}\right)}{8(20\text{ ft})(58.0\text{ min} - 3.0\text{ min})} \ln\left(\frac{31.70\text{ ft}}{29.61\text{ ft}}\right)$$

$= 3.5 \times 10^{-6}$ ft/min
$= 5.75 \times 10^{-8}$ ft/sec
$= \boxed{1.8 \times 10^{-6} \text{ cm/sec}}$

BASIC TIME LAG

DATA INSUFFICIENT TO YIELD RELIABLE T VALUE (see graph)

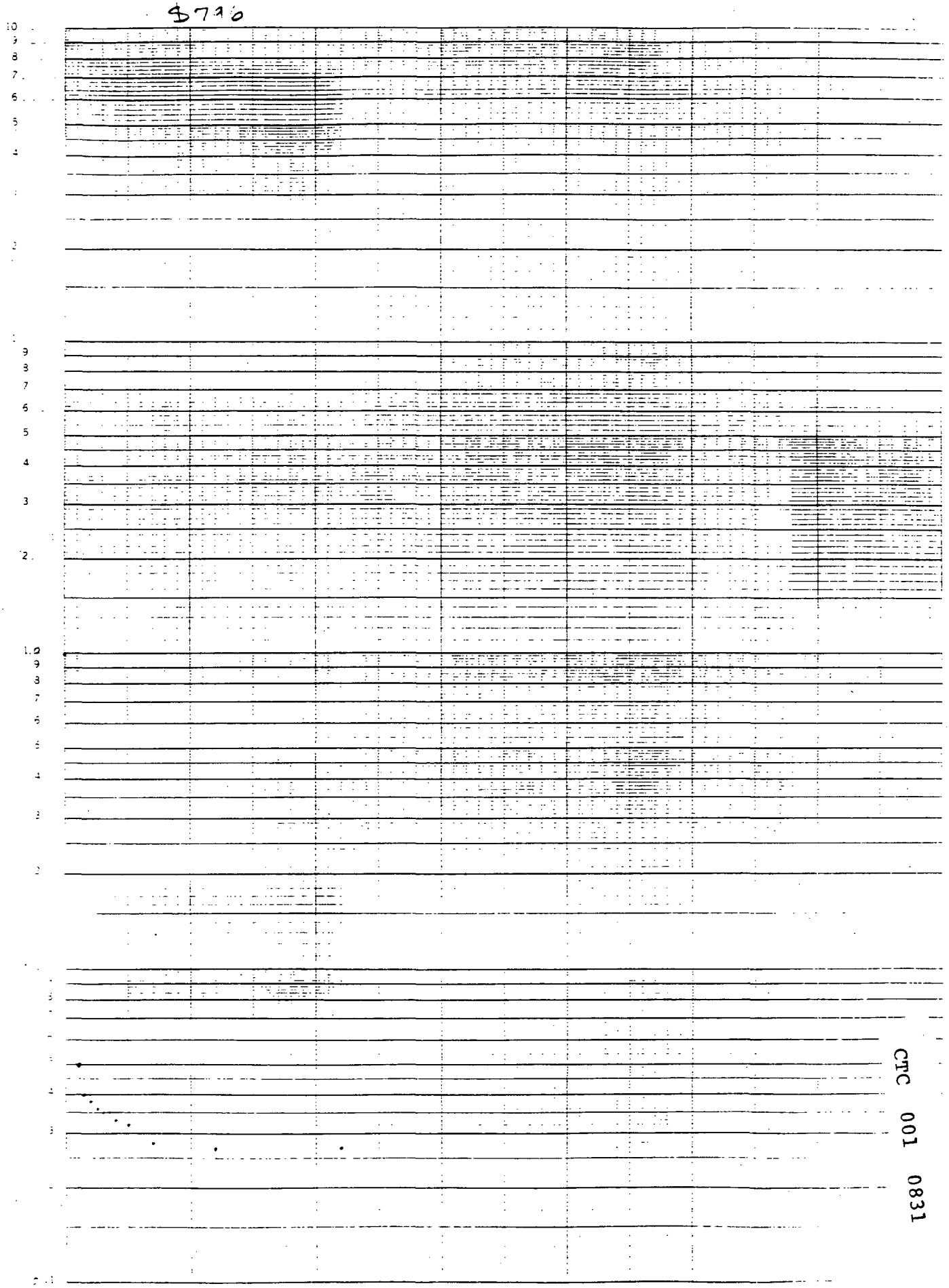
RDG. #	DEPTH (D)	H (Ds-D)	$\frac{H}{H_0}$	Elapsed Time (min)
1	31.92	-6.34	1.0	0.0
2	25.89	-0.31	0.05	1.0
3	25.83	-0.25	0.04	1.5
4	25.82	-0.24	0.038	2.0
5	25.81	-0.23	0.036	2.5
6	25.80	-0.22	0.035	3.0
7	25.80	-0.22	0.035	3.5
8	25.79	-0.21	0.033	4.0
9	25.78	-0.20	0.032	5.0
10	25.76	-0.18	0.028	7.0
11	25.75	-0.17	0.027	12.0
12	25.75	-0.17	0.027	22.0
13	25.75	-0.17	0.027	69.0

$D_s = 25.58$
$D_0 = 31.92$
$H_0 = -6.34$

CTC 001 0830

ALDWELL TRUCKING

$796



46 6010

K+E 10 X 10 DIVISIONS

CTC 001 0831

NUS CORPORATION

Page 1 of

DATE 5-30-85

CLIENT EPA FILE NO. $796 BY CDL - TEST DRH - ANALYSIS

SUBJECT SINGLE WELL PUMP TEST - DRAWDOWN RECOVERY Checked By CLN

WELL # 5A

Q = 4.58 gpm

DRAWDOWN

TIME (min)	READING (DTW)
0.0	22.55 FT
2.0	32.19 FT
7.0	36.98 FT
12.0	37.60 FT
17.0	37.70 FT
22.0	37.74 FT
27.0	37.77 FT
32.0	37.89 FT
37.0	37.85 FT
42.0	37.88 FT
47.0	37.92 FT
52.0	37.92 FT
57.0	37.97 FT
60.0	38.02 FT

RECOVERY

TIME (min)	READING (DTW)
0.0 (60.00)	38.02 FT
0.25 (60.25)	36.48 FT
0.50 (60.50)	34.86 FT
0.75 (60.75)	33.73 FT
1.0 (61.0)	32.64 FT
1.5 (61.5)	30.57 FT
2.0 (62.0)	29.08 FT
2.5 (62.5)	27.79 FT
3.0 (63.0)	26.77 FT
3.5 (63.5)	25.98 FT
4.0 (64.0)	25.29 FT

NUS CORPORATION

Page 2 of

DATE 5-30-85

CLIENT EPA FILE NO. $796 BY CDL - TEST DRH - ANALYSIS

SUBJECT SINGLE WELL PUMP TEST Checked By

WELL # 5A CON'T

TIME (min)	READING (DTW)	h
4.5 (64.5)	24.78 FT	
5.0 (65.0)	24.35 FT	
5.5 (65.5)	24.00 FT	
6.0 (66.0)	23.69 FT	
6.5 (66.5)	23.48 FT	
7.0 (67.0)	23.30 FT	
7.5 (67.5)	23.17 FT	
8.0 (68.0)	23.07 FT	
8.5 (68.5)	22.96 FT	
9.0 (69.0)	22.89 FT	
9.5 (69.5)	22.82 FT	
10.0 (70.0)	22.79 FT	
10.5 (70.5)	22.74 FT	
11.0 (71.0)	22.71 FT	
12.0 (72.0)	22.67 FT	
13.0 (73.0)	22.63 FT	
15.0 (75.0)	22.61 FT	
17.0 (77.0)	22.58 FT	
20.0 (80.0)	22.57 FT	

NUS CORPORATION

Page ____ of ____

DATE 5-30-85

CDL - TEST

CLIENT EPA FILE NO. $796 BY DRH - ANALYSIS

SUBJECT SINGLE WELL PUMP TEST DRAWDOWN RECOVERY Checked By ____

WELL #5A

NAVFAC CASE (C)

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln(L/R) \ln(h_1/h_2)$$

$L/R > 8$

$L/R = 10/0.167$

$= 59.9$

RECOVERY DATA

$L = 10$ FT

$R = 2.0$ in $= 0.16$

$h_1 = 36.48$ FT (DT

$t_1 = 0.25$ min

$h_2 = 22.89$ FT (DT

$t_2 = 9.0$ min

$$K = \frac{(0.167\,FT)^2}{2(10\,FT)(9.0 - 0.25\,min)} \ln\left(10\,FT / 0.167\,FT\right) \ln\left(\frac{36.48\,FT}{22.89\,FT}\right)$$

$$K = \frac{0.027889\,FT^2}{175\,FT\,MIN} \ln(59.88) \ln(1.59)$$

$$K = (0.001594\,FT/min)(4.09)(0.464)$$

$$K = 3.03 \times 10^{-4}\,FT/min \; \frac{1\,min}{60\,sec} = 5.05 \times 10^{-6}\,FT/sec$$

$$K = 5.05 \times 10^{-6}\,FT/sec \times 30.48 = \boxed{1.54 \times 10^{-4}\,cm/sec}$$

CTC 001 0834

NUS CORPORATION

Page 1 of

DATE 10-3-85

CLIENT EPA FILE NO. 7791 BY CLN

SUBJECT HYDRAULIC CONDUCTIVITY CALC VARIABLE HEAD BASIC TIME LAG Checked By DRH

WELL # 5A

VAR. HEAD

$d = 4'' = 0.33\ ft$
$D = 8'' = 0.67\ ft$
$m = 1$
$L = 10\ ft$
$h_1 = 36.48\ ft$
$t_1 = 0.25\ min$
$h_2 = 22.89\ ft$
$t_2 = 9.0\ min$

$$K = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L\ (t_2 - t_1)} \ln\left(\frac{h_1}{h_2}\right)$$

$$K = \frac{(0.33\ ft)^2 \cdot \ln\left(\frac{2(10\ ft)}{0.67\ ft}\right)}{8\ (10\ ft)(9.0\ min - 0.25\ min)} \ln\left(\frac{36.48\ ft}{22.89\ ft}\right)$$

$= 2.46 \times 10^{-4}\ ft/min$
$= 4.1 \times 10^{-6}\ ft/sec$
$= 1.25 \times 10^{-4}\ cm/sec$

BASIC TIME LAG

$T = 137$ seconds

$$k = \frac{d^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L \cdot T}$$

$$k = \frac{(0.33\ ft)^2 \cdot \ln(2(10\ ft)/0.67\ ft)}{8\ (10\ ft)(137\ seconds)}$$

$= 3.37 \times 10^{-5}\ ft/sec$
$= 1.03 \times 10^{-3}\ cm/sec$

CTC 001 0835

NUS CORPORATION

Page 2 of

DATE 10-3-85

CLIENT EPA FILE NO. $ 796 BY CLM

SUBJECT RECOVERY DATA FOR BASIC TIME LAG Checked By

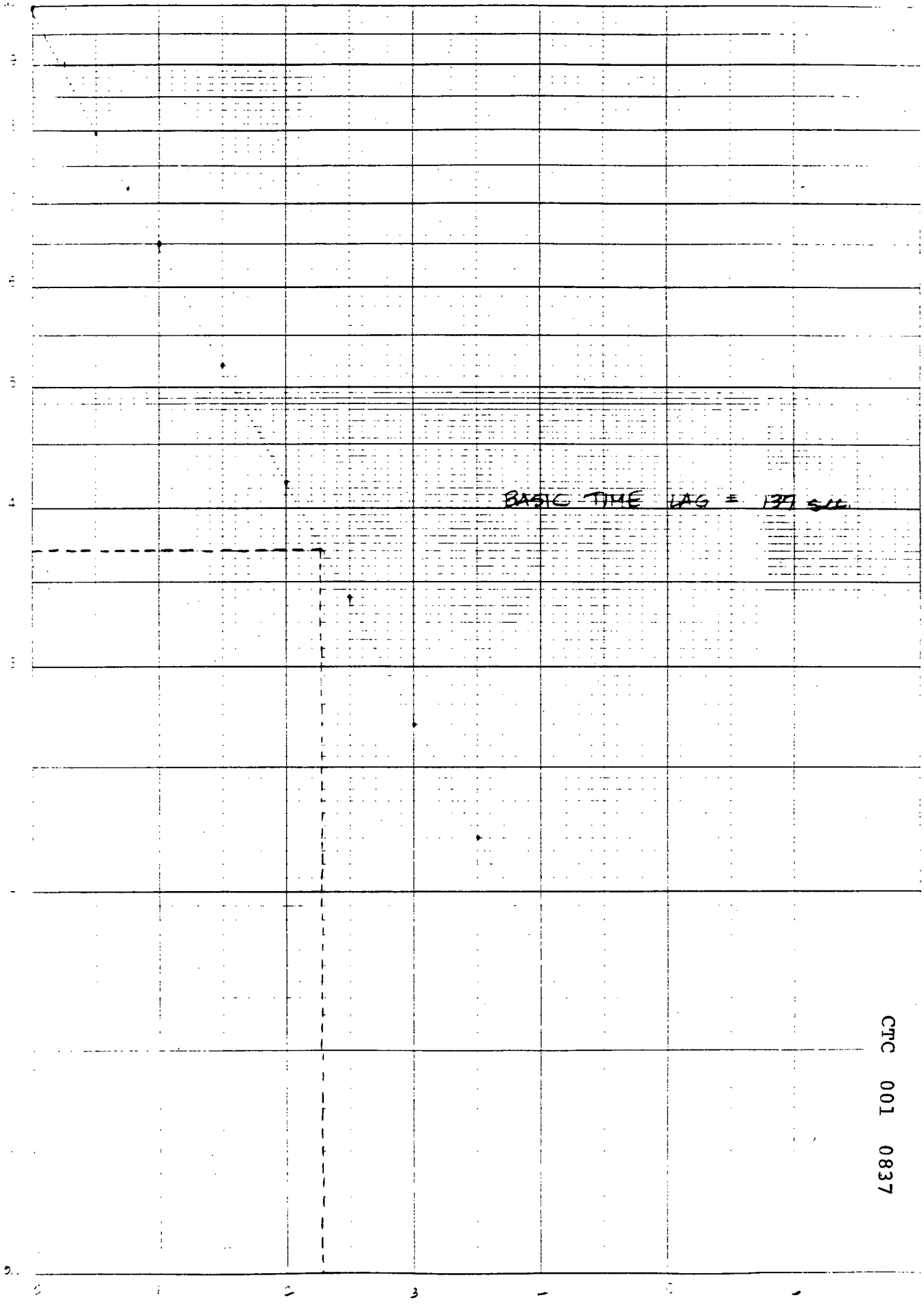
EDG #	DEPTH (D)	H (D_s-D)	$\frac{H}{H_o}$	Elapsed Time (min)
1	38.02	-15.47	1.0	0
2	36.48	-13.93	0.90	0.25
3	34.86	-12.31	0.796	0.50
4	33.73	-11.18	0.72	0.75
5	32.64	-10.09	0.65	1.0
6	30.57	-8.02	0.52	1.5
7	29.08	-6.53	0.42	2.0
8	27.79	-5.24	0.34	2.5
9	26.77	-4.22	0.27	3.0
10	25.98	-3.43	0.22	3.5
11	25.29	-2.74	0.18	4.0
12	24.78	-2.23	0.14	4.5
13	24.35	-1.80	0.12	5.0
14	24.00	-1.45	0.09	5.5
15	23.69	-1.14	0.07	6.0
16	23.43	-0.88	0.06	6.5
17	23.30	-0.75	0.05	7.0
18	23.17	-0.62	0.04	7.5
19	23.07	-0.52	0.03	8.0
20	22.96	-0.41	0.027	8.5
21	22.89	-0.34	0.022	9.0
22	22.82	-0.27	0.017	9.5
23	22.79	-0.24	0.016	10.0
24	22.74	-0.19	0.012	10.5
25	22.71	-0.16	0.010	11.0
26	22.67	-0.12	0.007	12.0
27	22.63	-0.08	0.005	13.0
28	22.61	-0.06	0.004	15.0
29	22.58	-0.03	0.002	17.0
30	22.57	-0.02	0.001	20.0

D_s = 22.55 ft
D_o = 38.02 ft
H_o = -15.47 ft

CTC 001 0836

WELL # 5A

CALDWELL TRACKING
$796



46 4650

CTC 001 0837

NUS CORPORATION

Page ____ of ____

DATE ____

CLIENT EPA FILE NO. $796 Caldwell BY DRH

SUBJECT ____ Checked By ____

BEDROCK

IN-SITU TESTING

RESULTS

CTC 001 0838

NUS CORPORATION

Page 1 of

DATE 7-3-85

CALDWELL TRUCKING

CLIENT EPA FILE NO. $796 BY DRH

SUBJECT SINGLE WELL RISING HEAD TEST Checked By CLN

WELL #2 Q=7.5gpm

STATIC WATER LEVEL - 36.44 FT DTW (BELOW OUTER CASIN

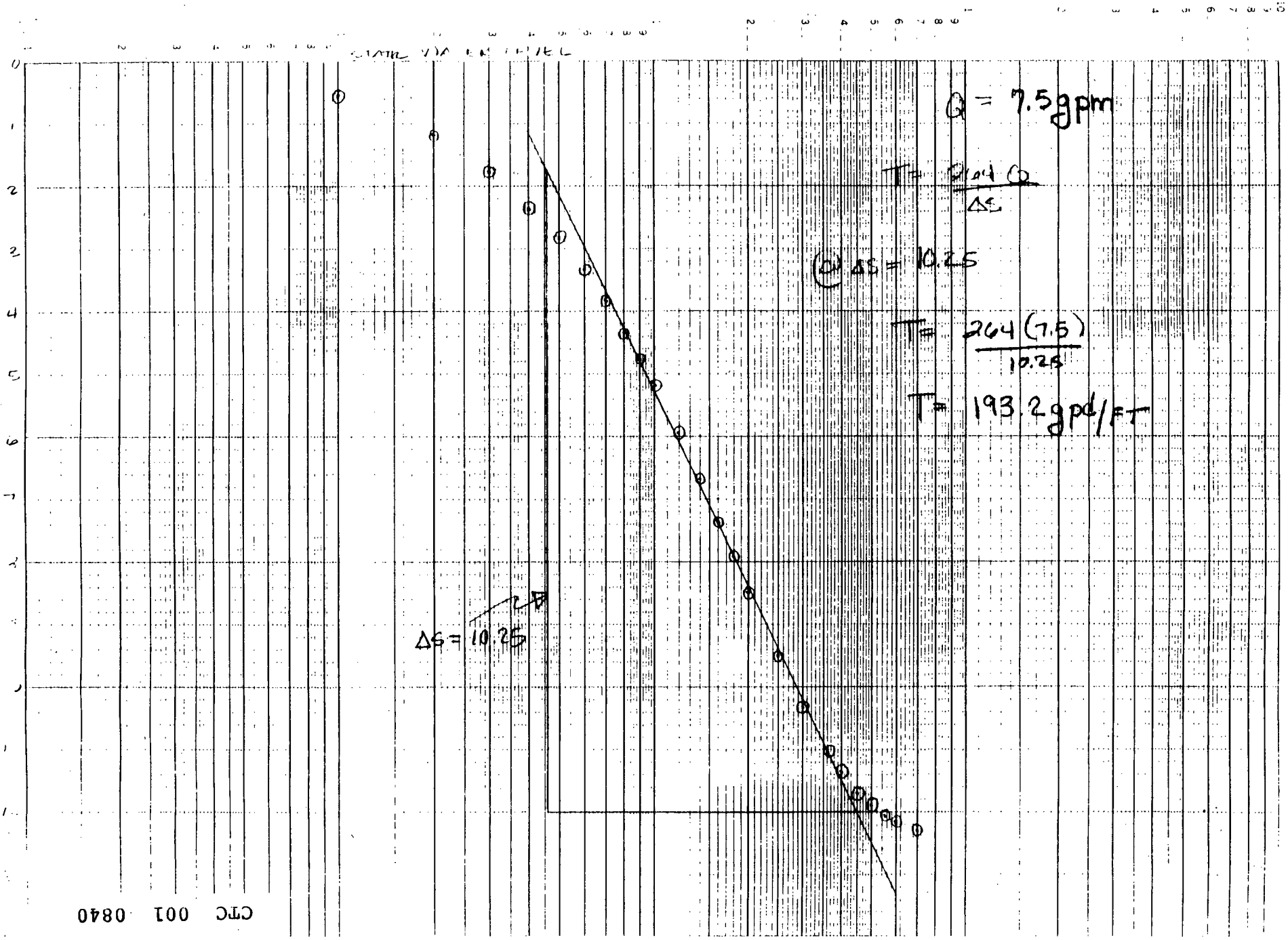
TIME (min)	READING (DTW)	UNCORRECTED RECOVERY
0	50.00 FT	—
1.0	49.44 FT	0.56
2.0	48.82 FT	1.18
3.0	48.22 FT	1.78
4.0	47.63 FT	2.37
5.0	47.17 FT	2.83
6.0	46.65 FT	3.35
7.0	46.15 FT	3.85
8.0	45.65 FT	4.35
9.0	45.25 FT	4.75
10.0	44.82 FT	5.18
12.0	44.06 FT	5.94
14.0	43.32 FT	6.68
16.0	42.63 FT	7.37
18.0	42.08 FT	7.92
20.0	41.53 FT	8.47
25.0	40.51 FT	9.49
30.0	39.68 FT	10.32
36.0	38.95 FT	11.05
40.0	38.65 FT	11.35
45.0	38.30 FT	11.70
50.0	38.13 FT	11.87
55.0	37.95 FT	12.05
60.0	37.83 FT	12.17
70.0	37.70 FT	12.30

CTC 001 0839

K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS

MW-2

46 6010



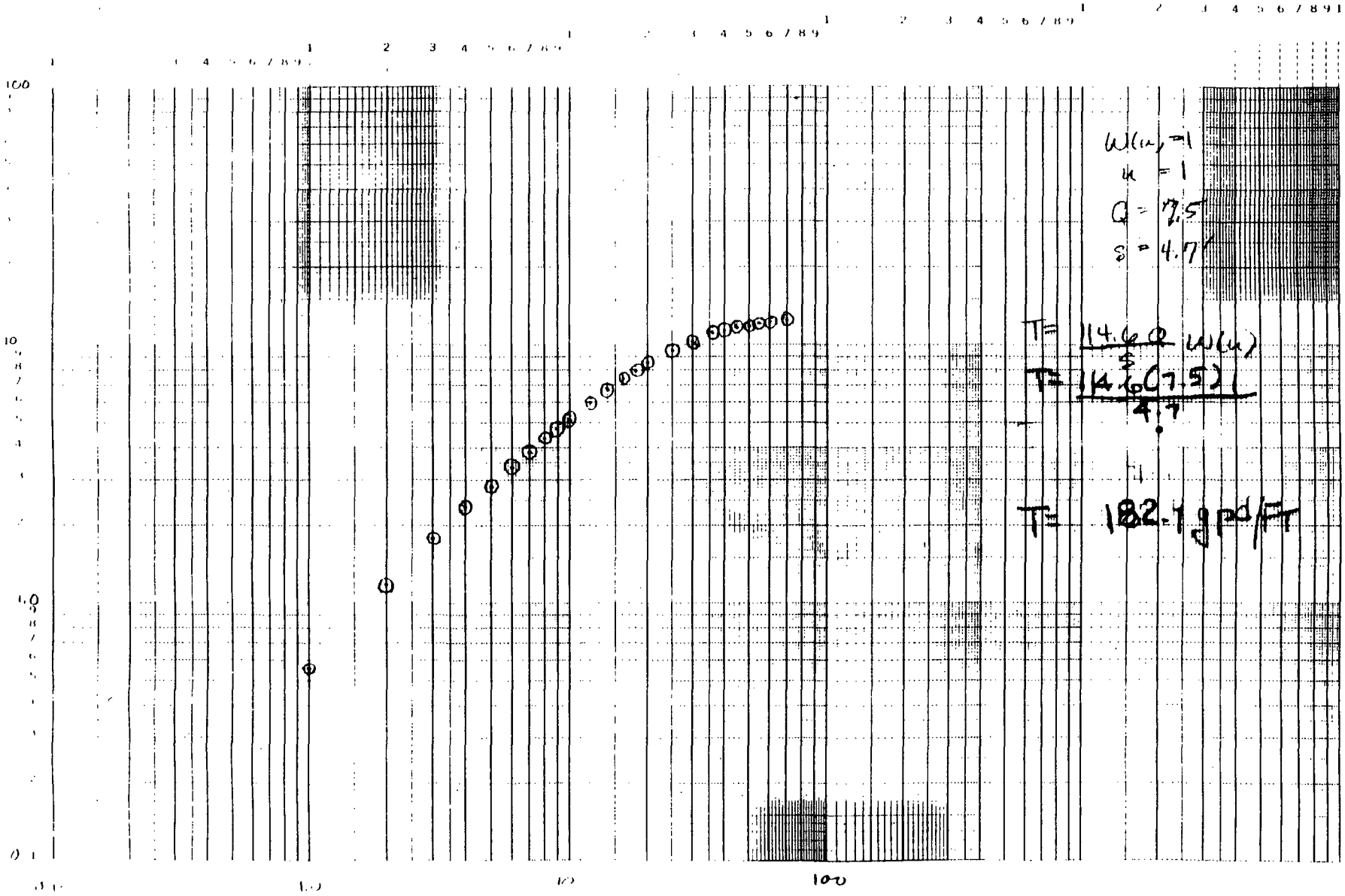
CTC 001 0840

K+E LOGARITHMIC 3 CYCLES KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522

DRH

AN-



CTC 001 0841

NUS CORPORATION

Page ____ of ____

DATE [illegible]

CLIENT EPA FILE NO. [illegible] BY [illegible]

SUBJECT [illegible] Checked By DRH

Q = 30 [illegible]

TIME (MIN)	READING (FEET)	DRAWDOWN (FT)
0	26.32	0
3	28.23	1.91
8	28.65	2.33
13	28.87	2.55
18	29.04	2.72
23	29.24	2.92
28	29.47	3.15
33	29.52	3.20
38	29.58	3.26
43	29.65	3.33
48	29.90	3.58
53	29.91	3.59
58	29.92	3.60
63	29.94	3.62
[illegible]	29.95	3.63
[illegible]	30.15	3.83

CTC 001 0842

NUS CORPORATION

Page ____ of ____

DATE 11-5-85

CLIENT EX FILE NO. 5706 (CANNEL) BY CDE

SUBJECT [illegible] 1N-4 Checked By ____

RECORDED

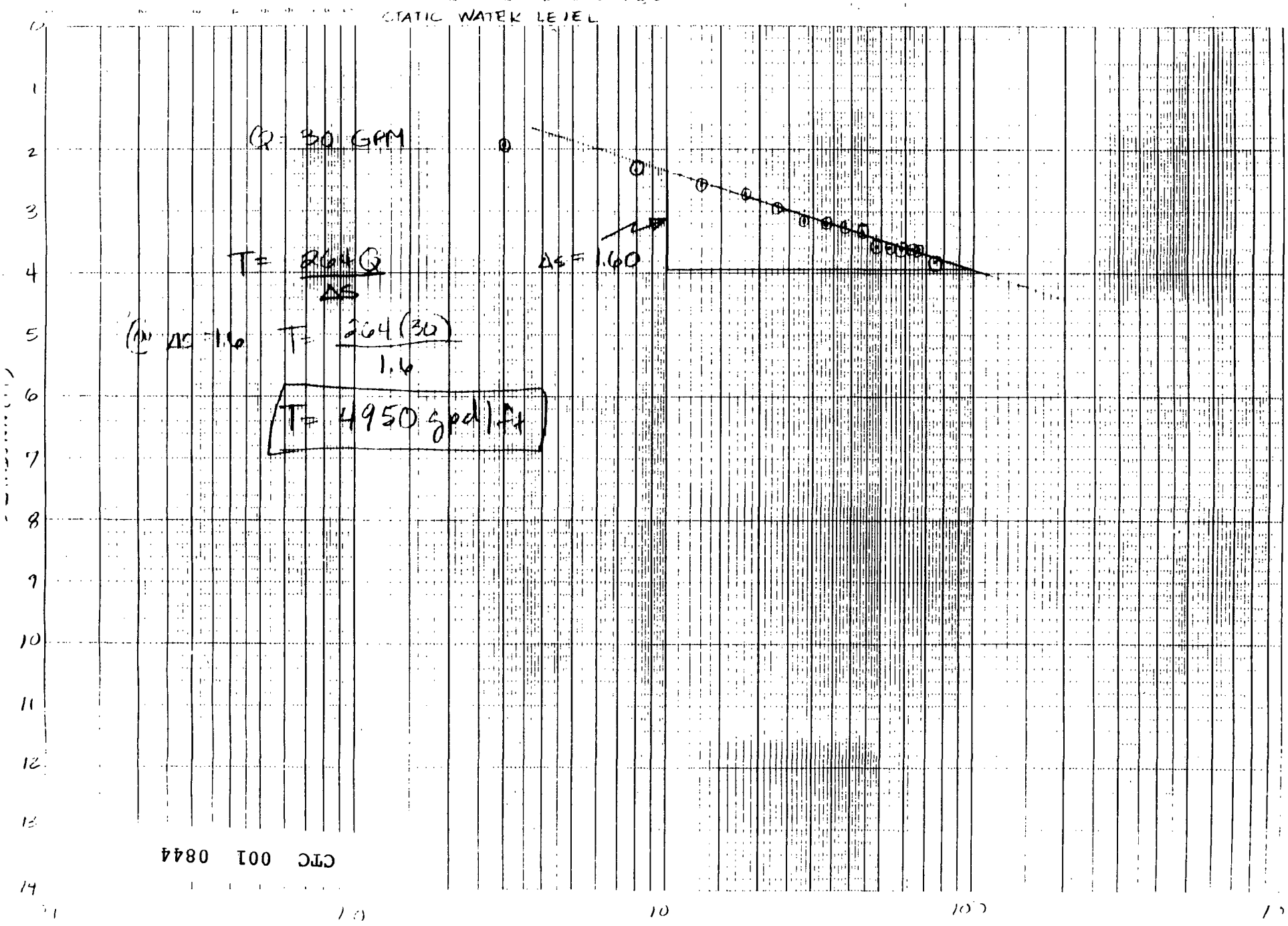
TIME (MIN)	READING (DTW) FT	INTERPRETED DRAWDOWN
0	30.15	0
0.25	29.17	0.98
0.50	29.03	1.12
0.75	28.88	1.27
1.00	28.79	1.36
1.25	28.72	1.43
1.50	28.65	1.50
1.75	28.59	1.56
2.00	28.53	1.62
2.5	28.45	1.70
3.0	28.37	1.78
3.5	28.30	1.85
4.0	[illegible]	1.92
4.5	[illegible]	1.97
[illegible]	[illegible]	2.01
[illegible]	28.05	2.10
[illegible]	27.95	2.20
8.0	27.89	2.26
9.0	27.84	2.31
10.0	[illegible]	2.36
11.0	27.74	2.41
[illegible]	[illegible]	2.47
13	[illegible]	2.50
14.0	27.63	2.52
15.0	27.62	2.53
20.0	27.57	2.58
25.0	27.44	2.71
30.0	27.35	2.80
35.0	[illegible]	2.87
45.0	27.28	2.87
55.0	27.28	2.87
65.0	27.26	2.89
80.0	27.11	3.04
95.0	27.06	3.13

CTC 001 0843

K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS

MW-4

46 6010



CTC 001 0844

JACOB RECOVERY METHOD

MW-4

K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS KEUFFEL & ESSER CO. MADE IN U.S.A.

46 6010

STATIC WATER LEVEL

Q = 30 GPM

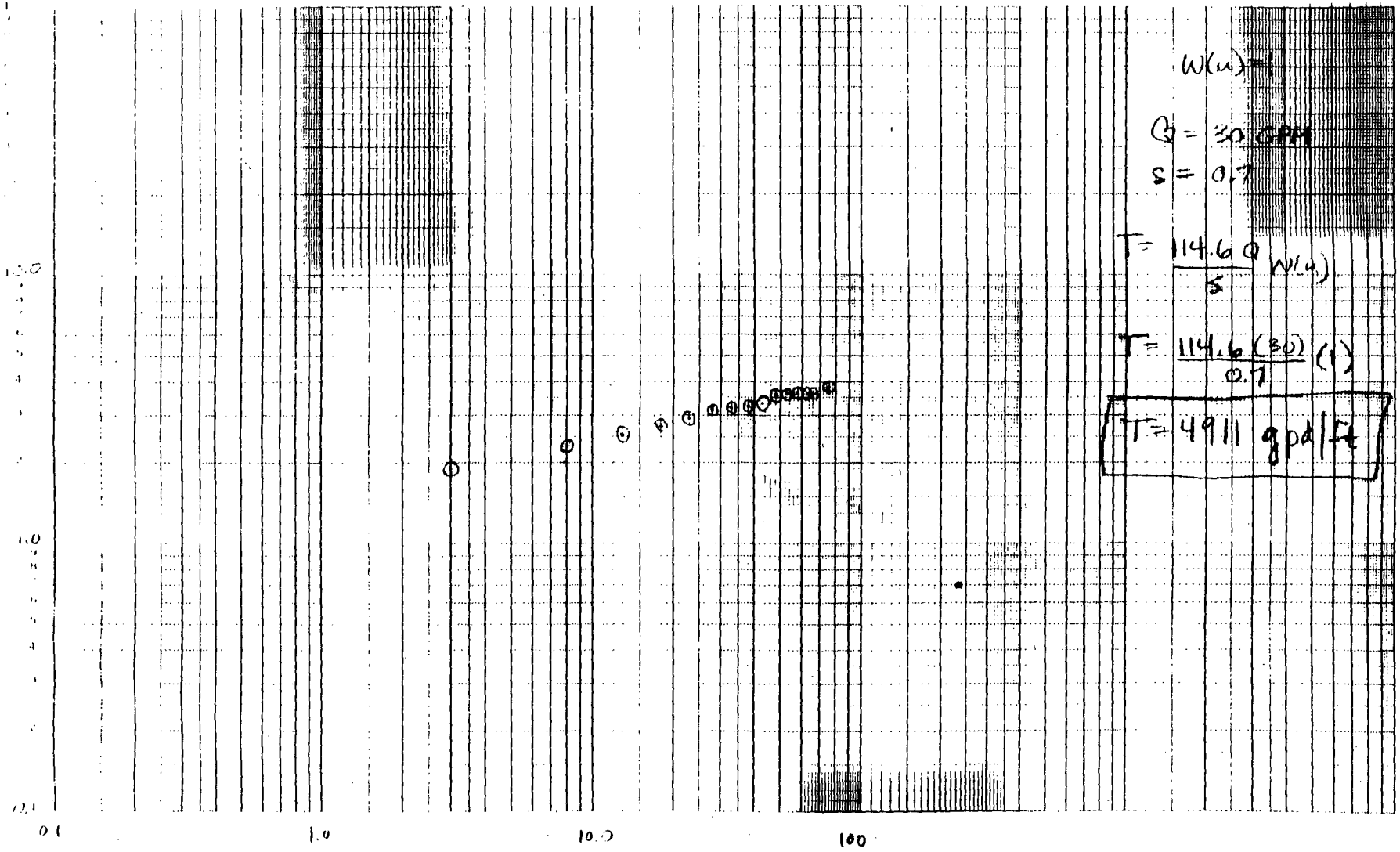
ΔS = 1.15

$$T = \frac{264\,Q}{\Delta S}$$

@ ΔS = 1.15 $\quad T = \frac{264\,(30)}{1.15}$

$$\boxed{T = 6887 \text{ gpd/ft}}$$

CTC 001 0845



$W(u) = 1$

$Q = 30$ GPM

$s = 0.7$

$T = \frac{114.6\,Q}{s}\,W(u)$

$T = \frac{114.6\,(30)}{0.7}\,(1)$

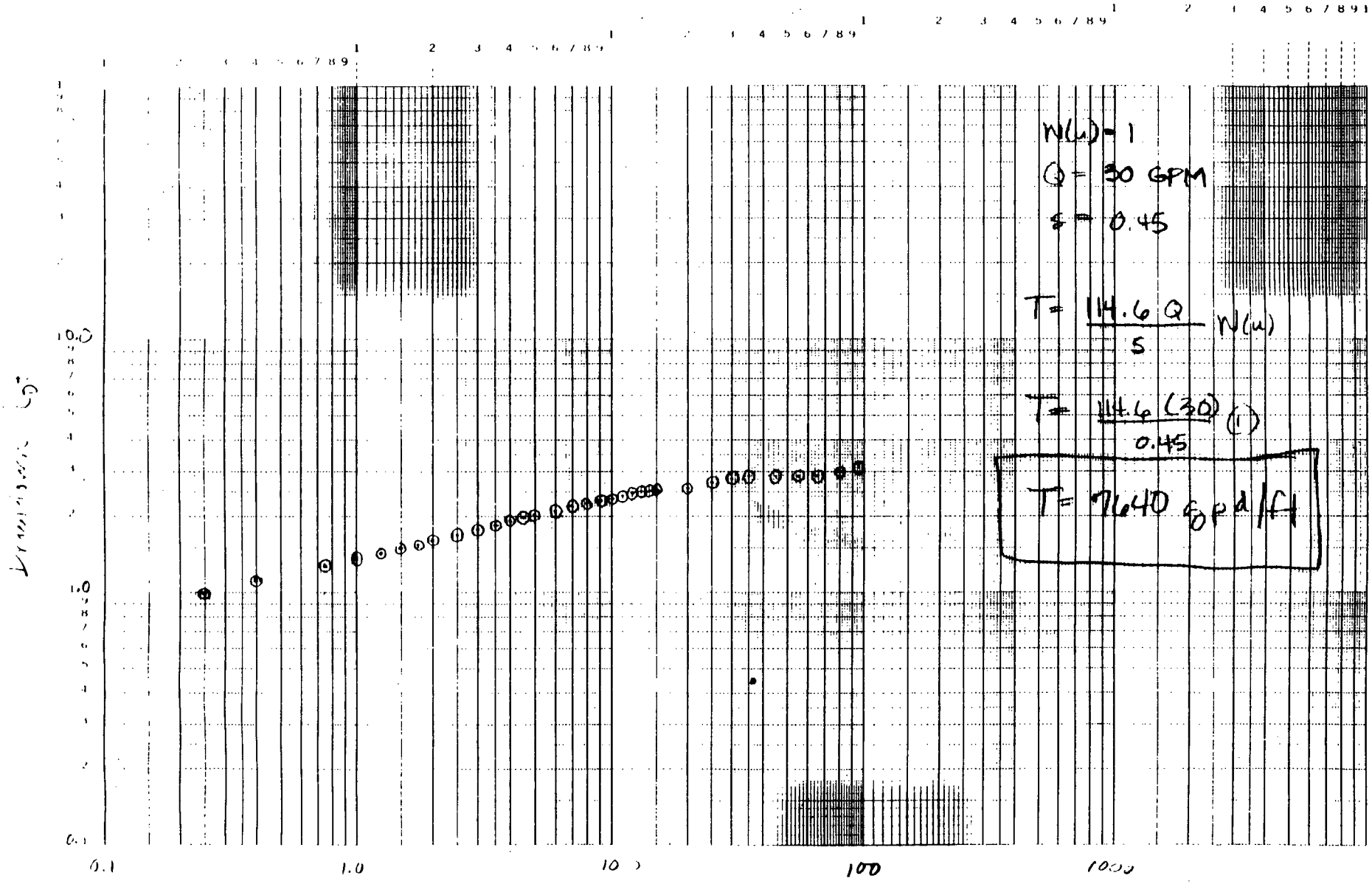
$T = 4911$ gpd/ft

1796
WELLWELL

K+E LOGARITHMIC 3 × 5 CYCLES
KEUFFEL & ESSER CO.

46 7522

MW-4
RECOVERY



CTC 001 0847

NUS CORPORATION

Page ____ of ____

DATE ____

CLIENT EPA FILE NO. 5796 CALDWELL BY RN

SUBJECT SINGLE WELL PUMP TEST MW-5 Checked By DRH

MW-5 [illegible] (original water level = [illegible])

t	t'	t/t'	water level	s'
60	0	–	28.20	6.35
60.25	0.25	241.0	27.34	5.49
60.5	0.50	121.0	26.74	4.89
60.75	0.75	81.0	26.11	4.26
61.0	1.00	61.0	25.63	3.78
61.5	1.5	41.0	25.00	3.15
62.0	2.0	31.0	24.55	2.70
62.5	2.5	25.0	24.23	2.38
63.0	3.0	21.0	24.02	2.17
63.5	3.5	18.1	23.87	2.02
64.0	4.0	16.0	23.70	1.85
65	5.0	13.0	23.48	1.63
66	6.0	11.0	[illegible]	1.49
69	9.0	7.7	[illegible]	1.20
73	[illegible]	7.0	[illegible]	1.15
75	15.0	5.0	22.18	0.93
80	20.0	4.0	22.07	0.82
90	30.0	3.0	22.55	0.70
100	40.0	2.5	22.47	0.62
110	50.0	2.2	22.42	0.57
120	60.0	2.0	22.38	0.53
209	149	1.62	22.23	0.38

$$u \le \frac{1.87\, r^2 S}{T t}$$

$u \le 0.1$

$$t = \frac{1.87\,(0.25)^2\,(363\times10^{-4})}{(1778)(0.01)}$$

$$t = \frac{1.87\,(0.25)^2\,(\text{[illegible]})}{(46{,}000)(0.01)}$$

$t = 2.3[illegible]\times10^{-6}$ days

$= 0.003$ min

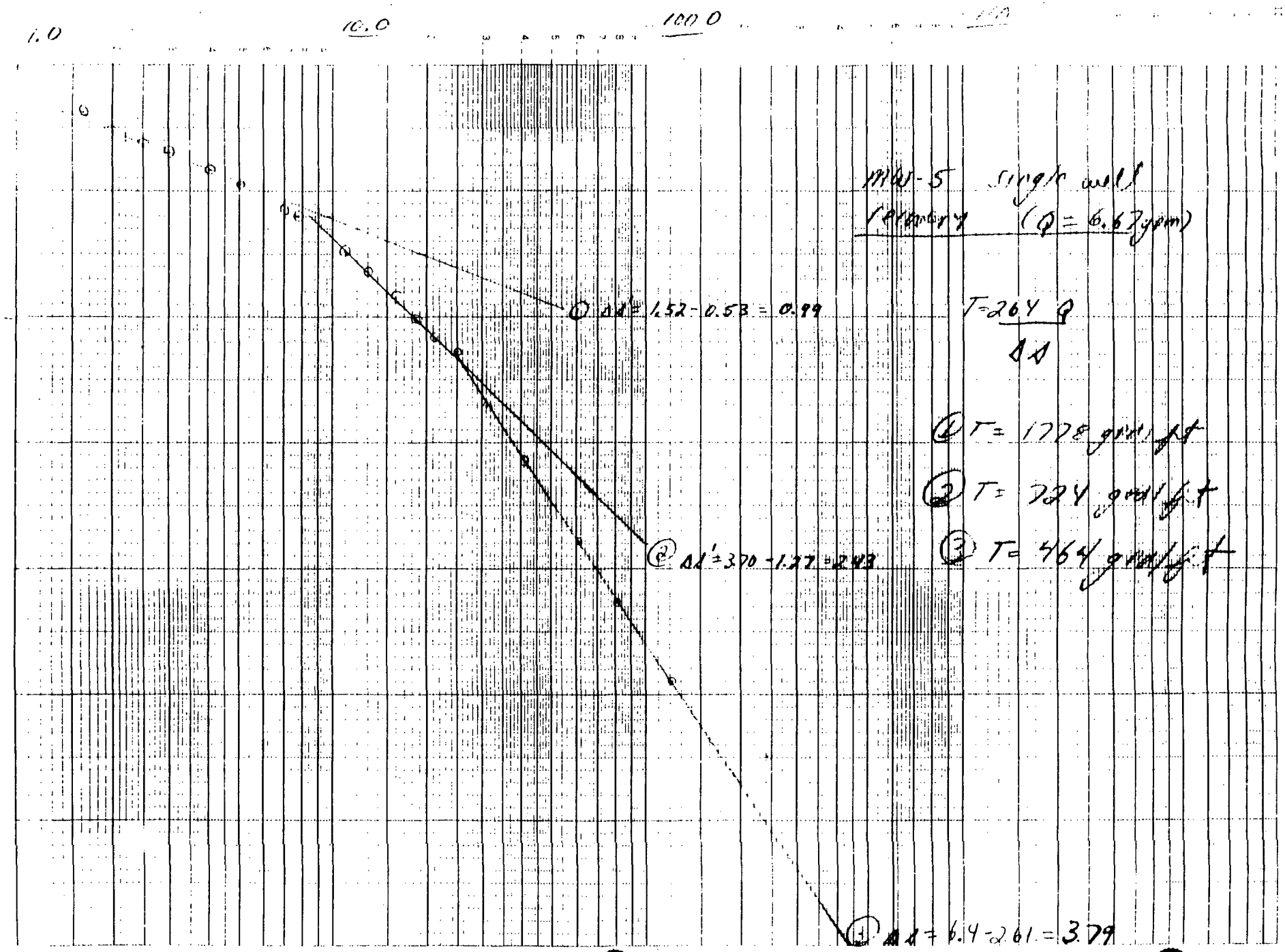
$t > 0.[illegible]$ [illegible]

$t = 9.22\times10^{[illegible]}$

$=$ [illegible]

[illegible] OK

CTC 001 0848


1.0
10.0
100.0
MW-5 single well
(Primary (Q = 6.67 gpm)
T = 264 Q / Δd
① Δd' = 1.52 - 0.53 = 0.99
② Δd' = 3.70 - 1.27 = 2.43
① T = 1778 gpd/ft
② T = 324 gpd/ft
③ T = 464 gpd/ft
① Δd = 6.4 - 2.61 = 3.79

NUS CORPORATION

Page ____ of ____

DATE [illegible]

CLIENT EPA FILE NO. $740 [illegible] BY [illegible]

SUBJECT SINGLE WELL DRAWDOWN TEST MW-[illegible] Checked By DKH

Q = 30 GPM

TIME (MIN)	READING (FT)	DRAWDOWN
0	17.90	0
7	25.68	7.78
15	27.30	9.40
22	[illegible]	10.43
31	[illegible]	11.20
38	[illegible]	11.65
52	30.15	12.25
66	30.50	12.60
72	[illegible]	12.70
80	[illegible]	12.80

RECOVERY

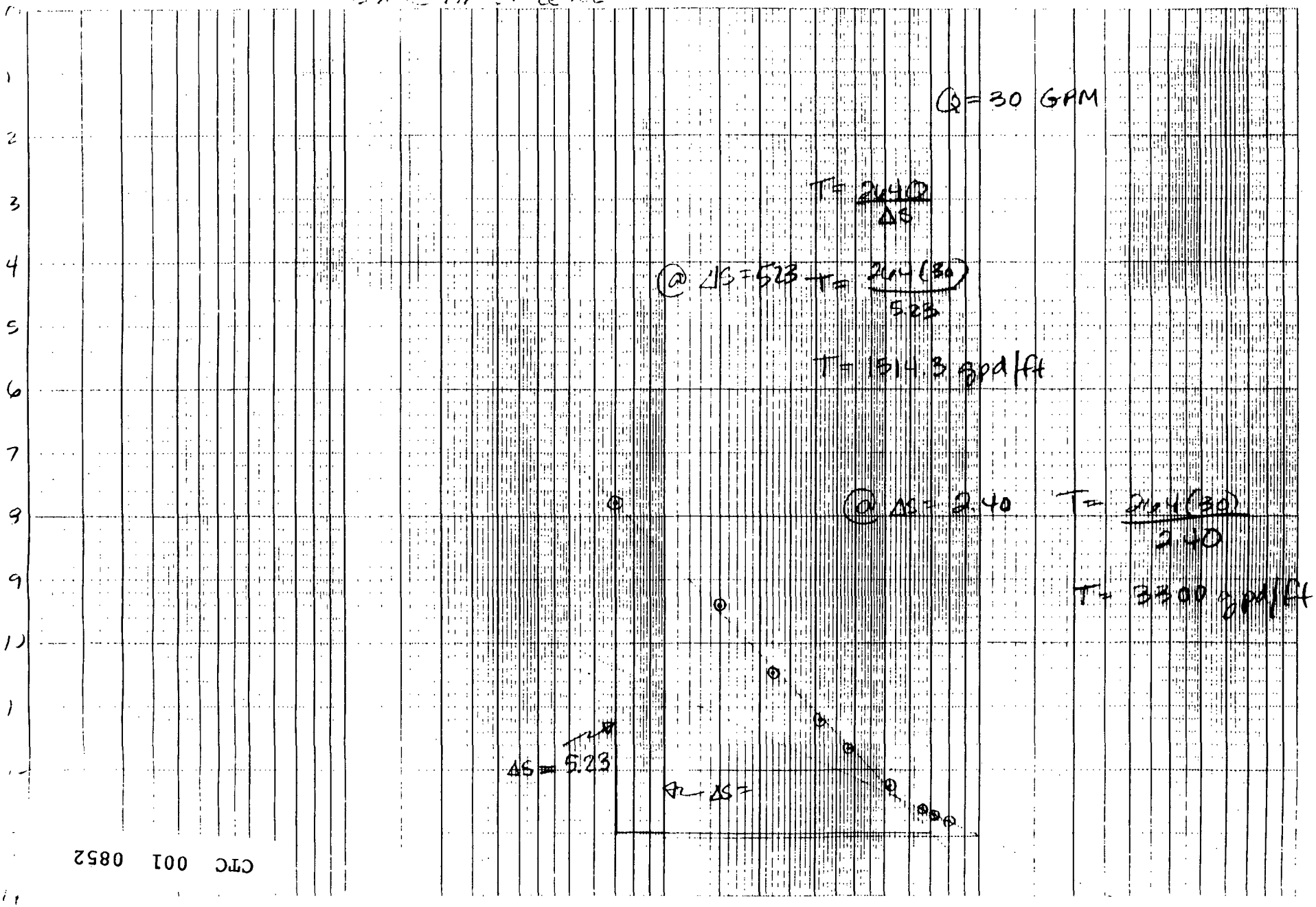
TIME	READING (FT)	UNCORR. RECOV
0	30.70 FT	0
0.5	[illegible]	2.40
1.0	[illegible]	[illegible]
1.5	[illegible]	3.95
2.0	[illegible]	4.7
2.5	[illegible]	5.35
3.0	[illegible]	5.75
3.5	24.52	6.18
4.0	24.10	6.60
4.5	23.77	6.93
5.0	23.45	7.25
5.5	[illegible]	7.55
6.0	[illegible]	7.73
6.5	[illegible]	7.97
7.0	[illegible]	8.18
7.5	[illegible]	8.46
8.0	[illegible]	8.60
8.5	[illegible]	8.77
9.0	[illegible]	8.90
10.0	[illegible]	9.19

TIME (MIN)	RDG (FT)	UNCORR RECOV
11.0	21.26 FT	9.44
13.0	20.35	9.31
15.0	[illegible]	10.13
17.0	[illegible]	10.38
19.0	[illegible]	10.60
21.0	19.33	10.82
25.0	[illegible]	11.03
36.5	19.13	11.37
45.0	[illegible]	11.92
56.0	[illegible]	12.13

CTC 001 0851

K+E SEMI-LOGARITHMIC 3 CYCLES X 70 DIVISIONS KEUFFEL & ESSER CO. MADE IN U.S.A. 46 6010

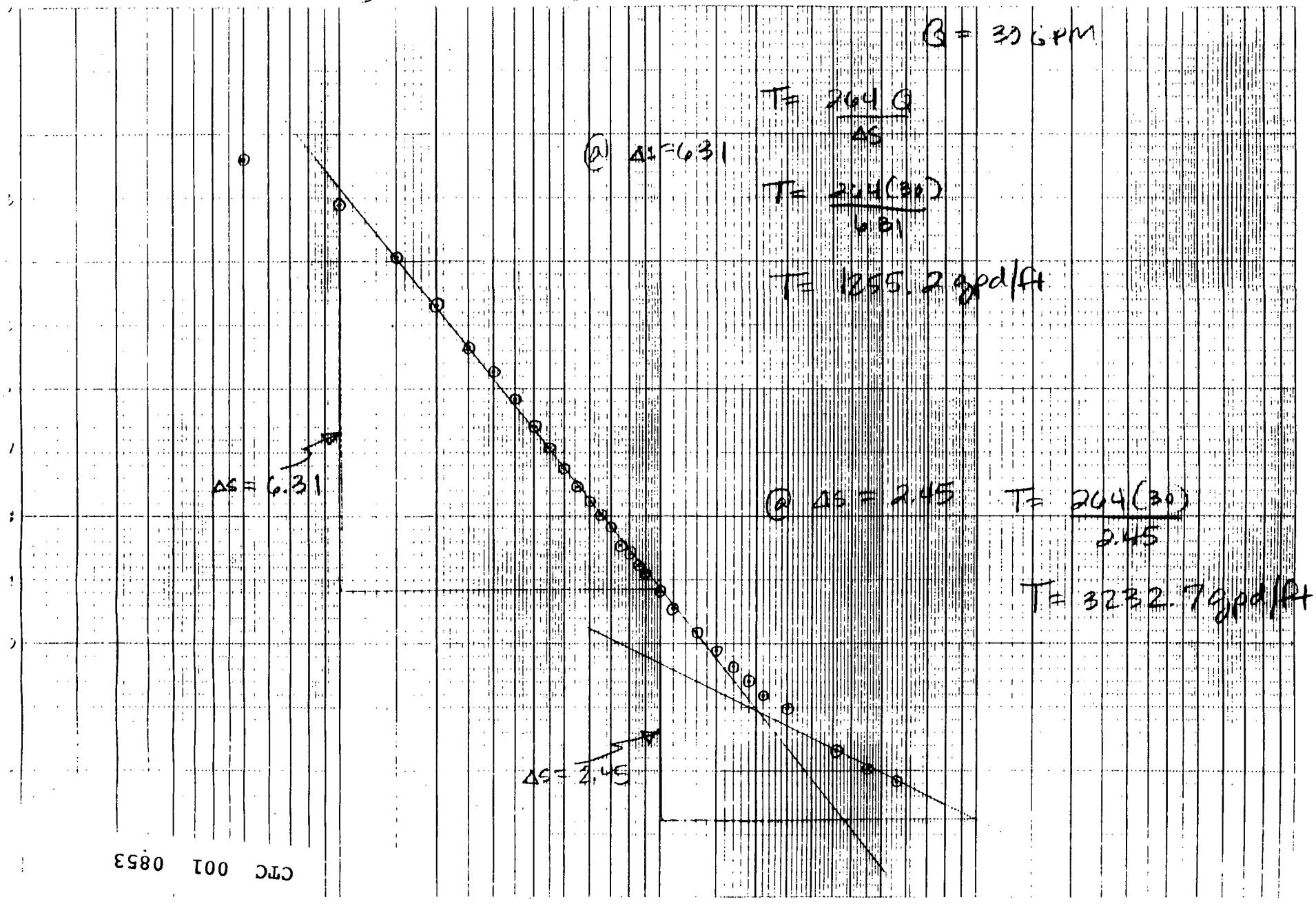
MW 6



CTC 001 0852

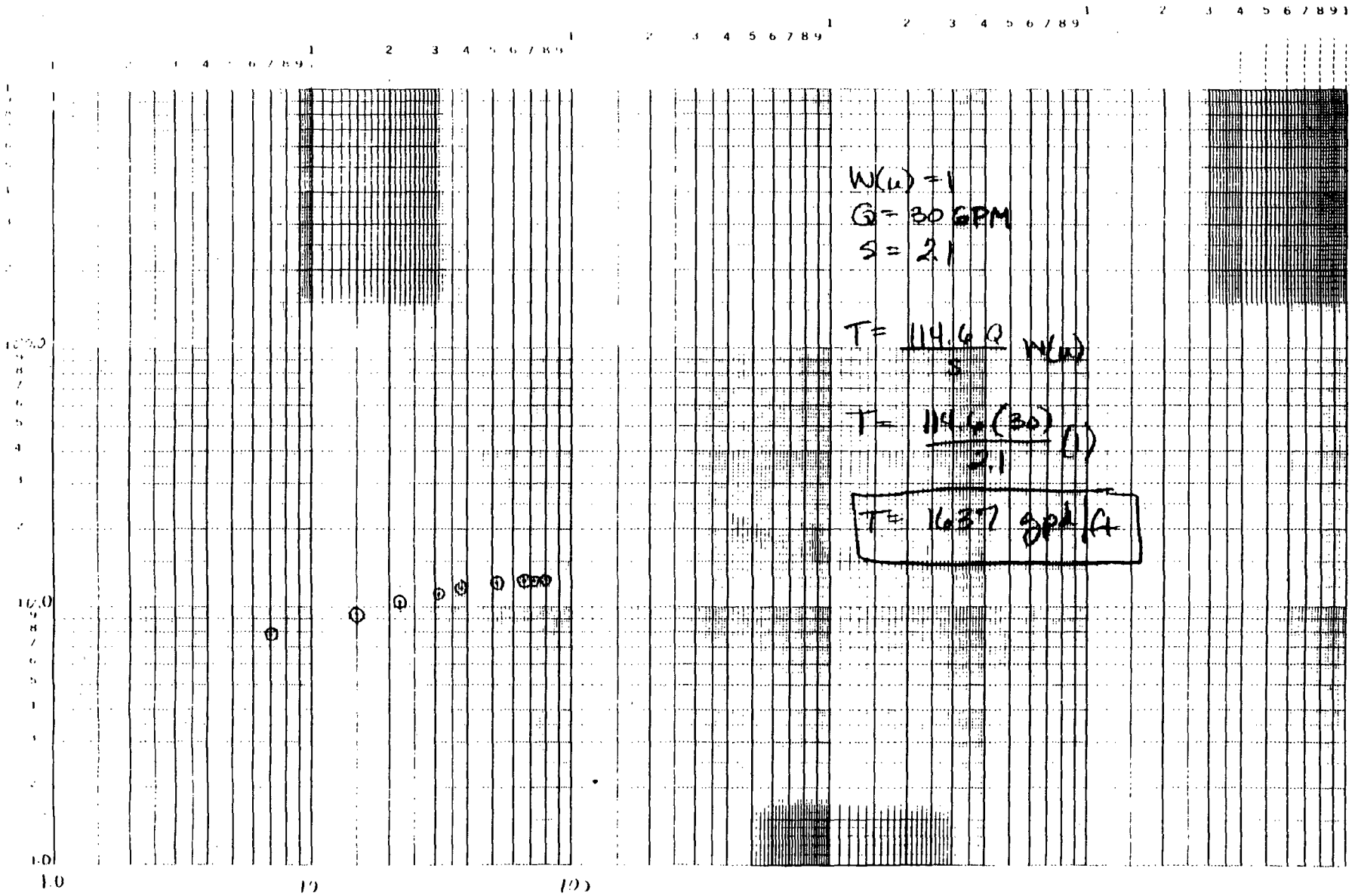
K+E SEMI-LOGARITHMIC 3 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

MW-6 46 6010



CTC 001 0853

MW-6



$W(u) = 1$

$Q = 30$ GPM

$s = 2.1$

$T = \frac{114.6\,Q}{s}\,W(u)$

$T = \frac{114.6(30)}{2.1}(1)$

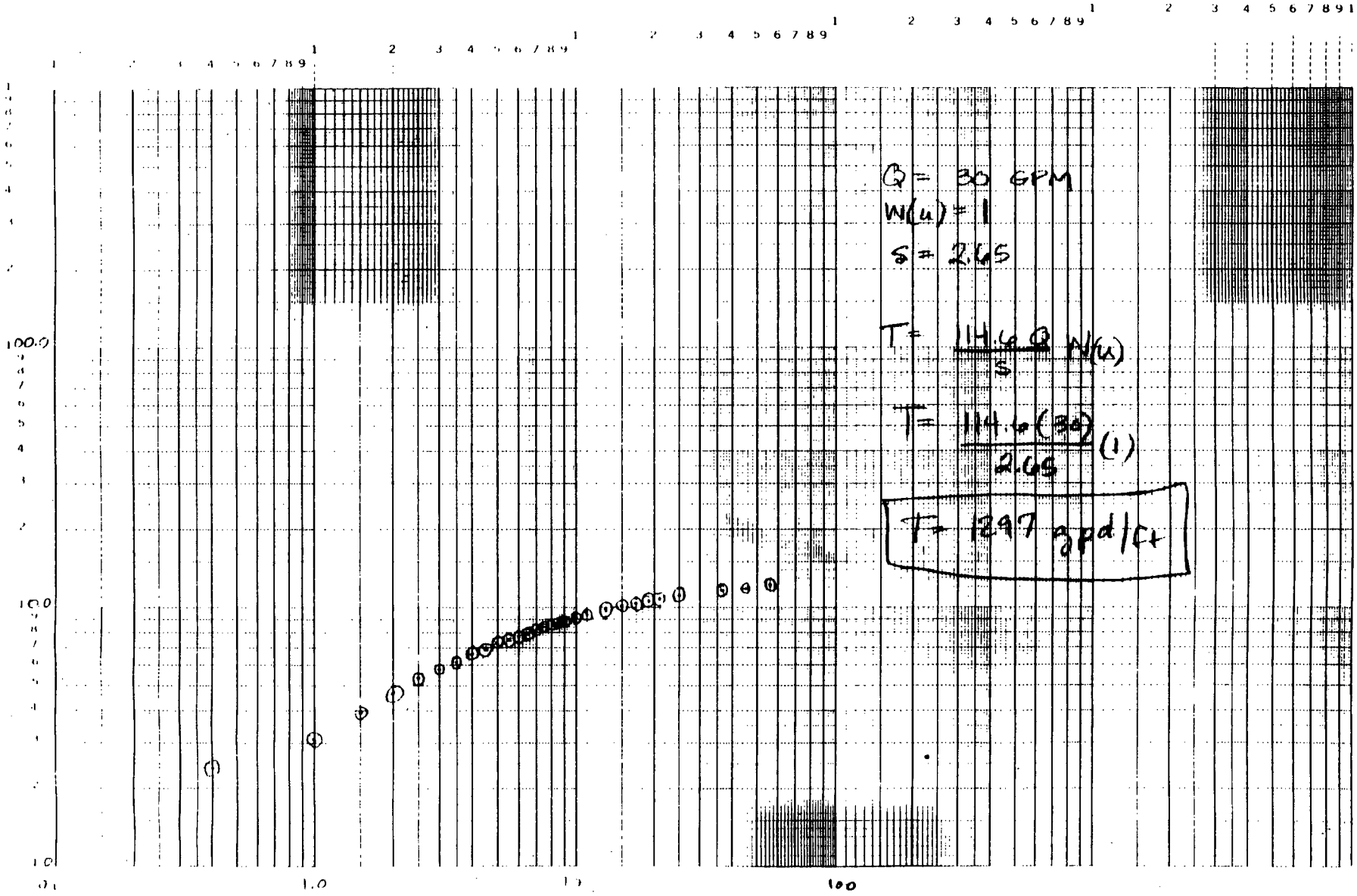
$T = 1637$ gpd/ft

K+E LOGARITHMIC 3 x 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522

MW 6
FE NEAL

C NIELAND



$Q = 30$ GPM
$W(u) = 1$
$s = 2.65$

$$T = \frac{114.6\,Q\,W(u)}{s}$$

$$T = \frac{114.6(30)}{2.65}(1)$$

$$\boxed{T = 1297 \text{ gpd/ft}}$$

CTC 001 0855

NUS CORPORATION

Page ____ of ____

DATE 11-5-3?

CLIENT EPA FILE NO. CALDWELL TRUCKING 5?6 BY C. JELAND

SUBJECT SINGLE WELL PUMP TEST - MW-3 Checked By DRH

MW-5

Q = 2.3 GPM

TIME (MIN)	READING (FT)	DRAWDOWN
0	27.00 FT	0
3	33.00 FT	6.00
8	37.32 FT	10.32
13	41.82 FT	14.82
18	45.14 FT	18.14
23	47.97 FT	20.97
28	50.40 FT	23.40
33	52.60 FT	25.60
38	54.40 FT	27.40
43	56.06 FT	29.06
48	57.53 FT	30.53
53	58.89 FT	31.89
58	60.18 FT	33.18
63	60.62 FT	33.62

CTC 001 0856

NUS CORPORATION

Page ____ of ____

DATE 11-15-85

CLIENT EPA FILE NO. $796 (NONE) BY C. DIE[illegible]

SUBJECT [illegible] Checked By ____

RECOVERY

TIME (MIN)	READING (DTN, FT)	UNCORRECTED RECOVERY
0	60.62	0
0.25	60.37	0.25
0.50	60.05	0.57
0.75	59.83	0.79
1.0	59.58	1.04
1.5	59.06	1.56
2.0	58.53	2.09
2.5	58.00	2.62
3.0	57.57	3.05
3.5	57.02	3.60
4.0	56.56	4.06
4.5	56.06	4.56
5.0	55.68	4.94
5.5	55.17	5.45
6.5	54.25	6.37
7.0	53.80	6.82
7.5	53.37	7.25
8.0	52.92	7.70
8.5	52.49	8.13
9.0	52.11	8.51
9.5	51.68	8.94
10.0	51.22	9.40
10.5	50.87	9.75
11.0	50.49	10.13
11.5	50.09	10.53
12.0	49.70	10.92
12.5	49.33	11.29
13.0	48.95	11.67

CTC 001 0857

NUS CORPORATION

Page ____ of ____

DATE 11-15-85

CLIENT EPA FILE NO. #796 BY [illegible]

SUBJECT [illegible] MW-8 Checked By ____

RECOVERY MW-8 CON'T

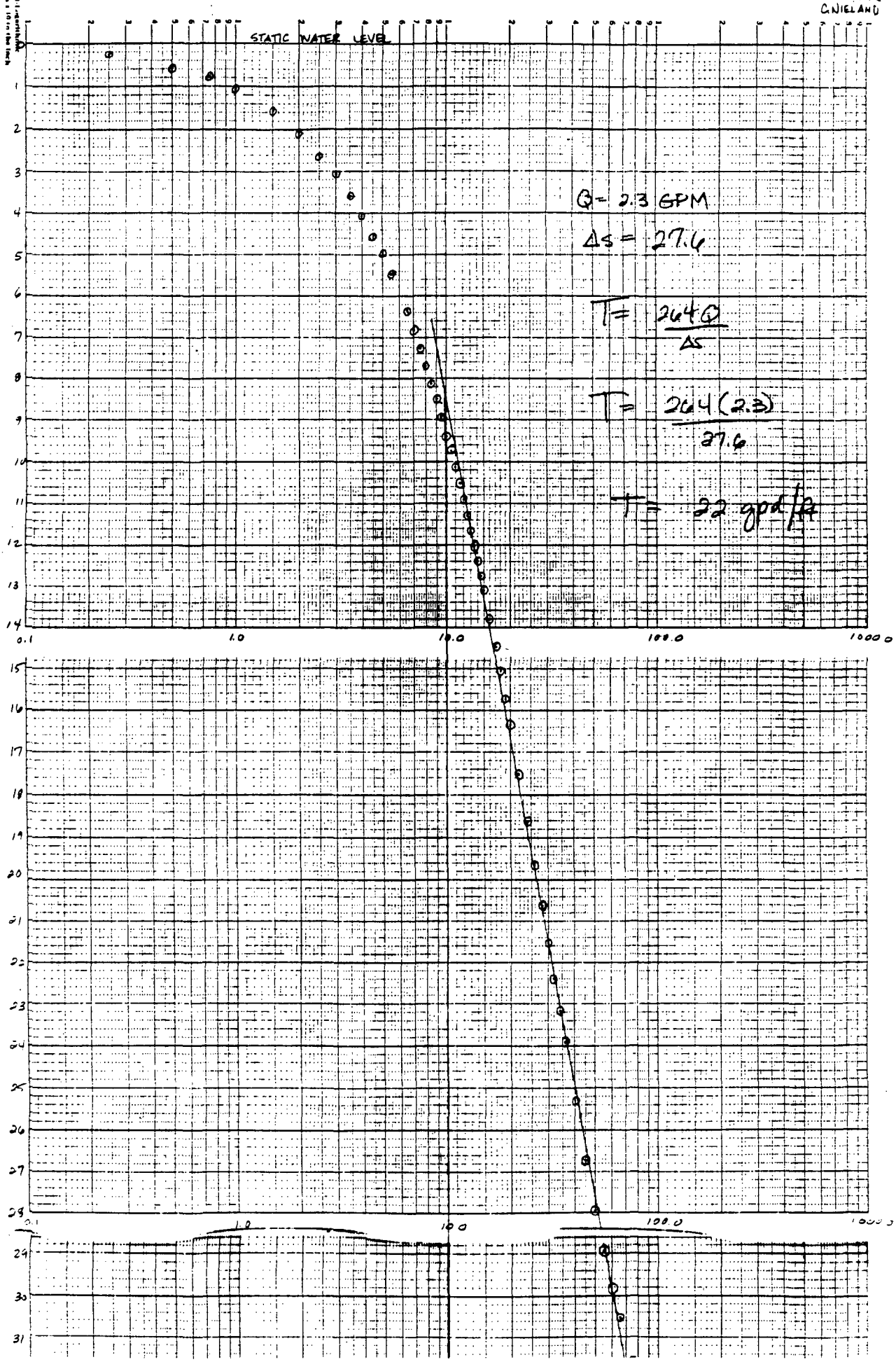
TIME (MIN)	READING (DTW)	UNCORRECTED RECOVERY
13.5	48.59 FT	12.03
14.0	48.23	12.39
14.5	47.87	12.75
15.0	47.52	13.10
16.0	46.82	13.80
17.0	46.16	14.46
18.0	45.57	15.05
19.0	44.88	15.74
20.0	44.27	16.35
22.0	43.10	17.52
24.0	42.00	18.62
26.0	40.97	19.65
28.0	40.00	20.62
30.0	39.09	21.53
32.0	38.22	22.40
34.0	37.44	23.18
36.0	36.70	23.92
40.0	35.33	25.29
45.0	33.33	26.74
50.0	32.05	27.97
55.0	31.03	28.99
60.0	30.18	29.84
65.0	30.07	30.55
75.0	29.04	31.58
85.0	28.36	32.26
95.0	27.92	32.70

CTC 001 0858

S-146 CALDWELL

JACOB RECOVERY METHOD
MW-8

11-15-95
C. NIELAND



CTC 001 0859

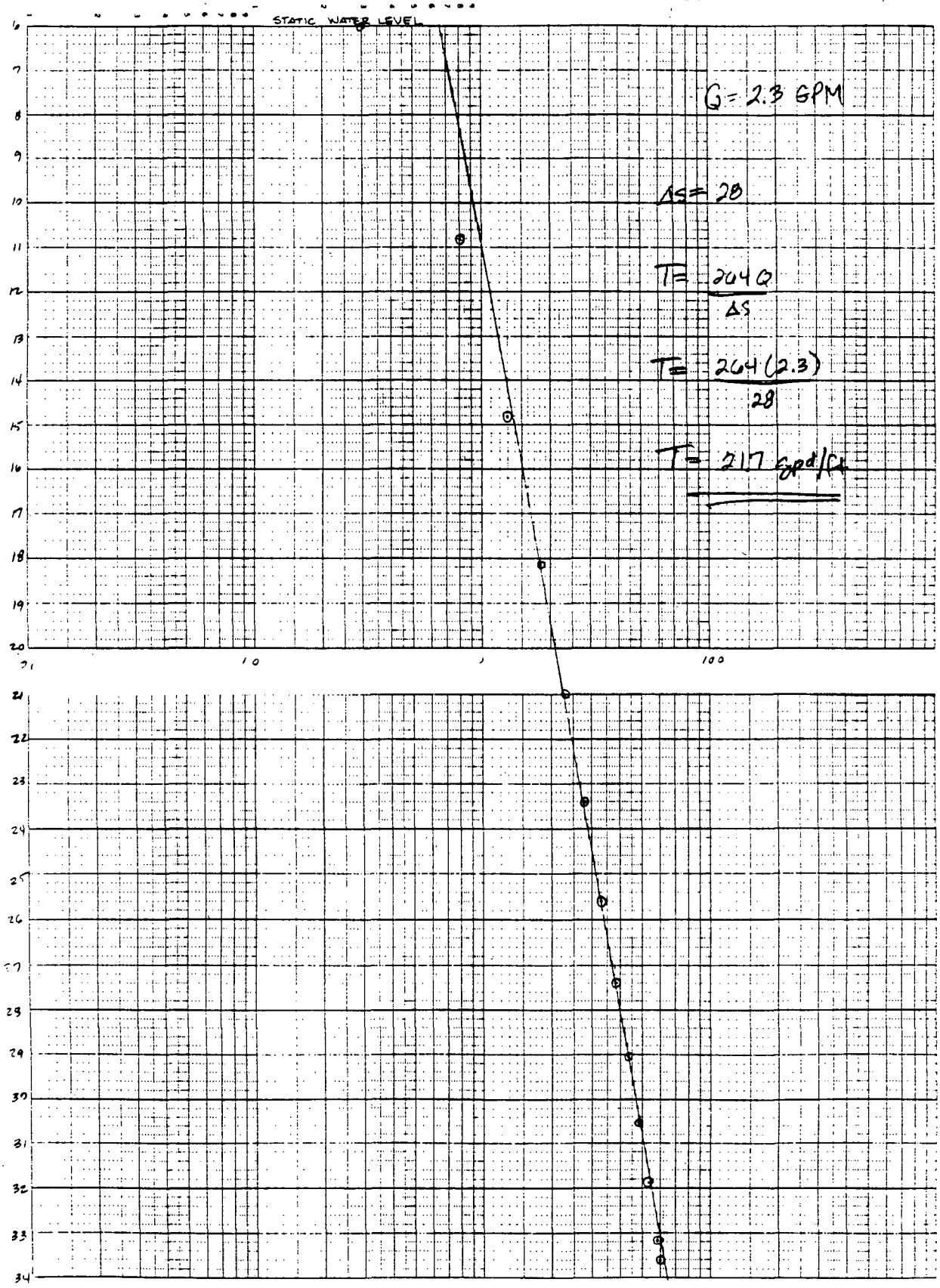
$7916
CALDWELL

K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

JACOB METHOD
MW-8

46 6010

11-15-95
C.NIELANDS



CTC 001 0860

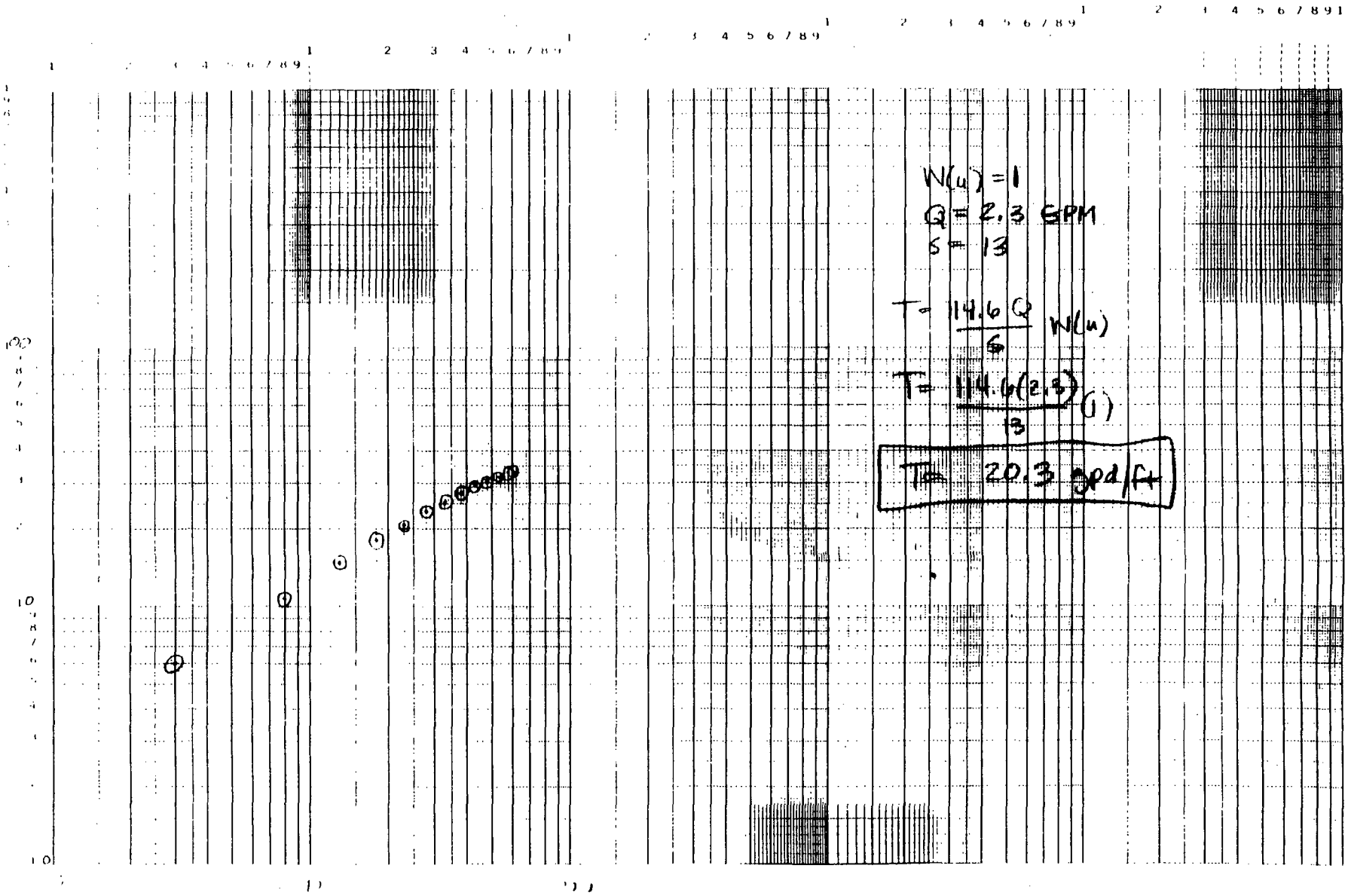
16
LWELL

K+E LOGARITHMIC 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

MW-8

40 7522

11-15-8?
C. NIELAT...

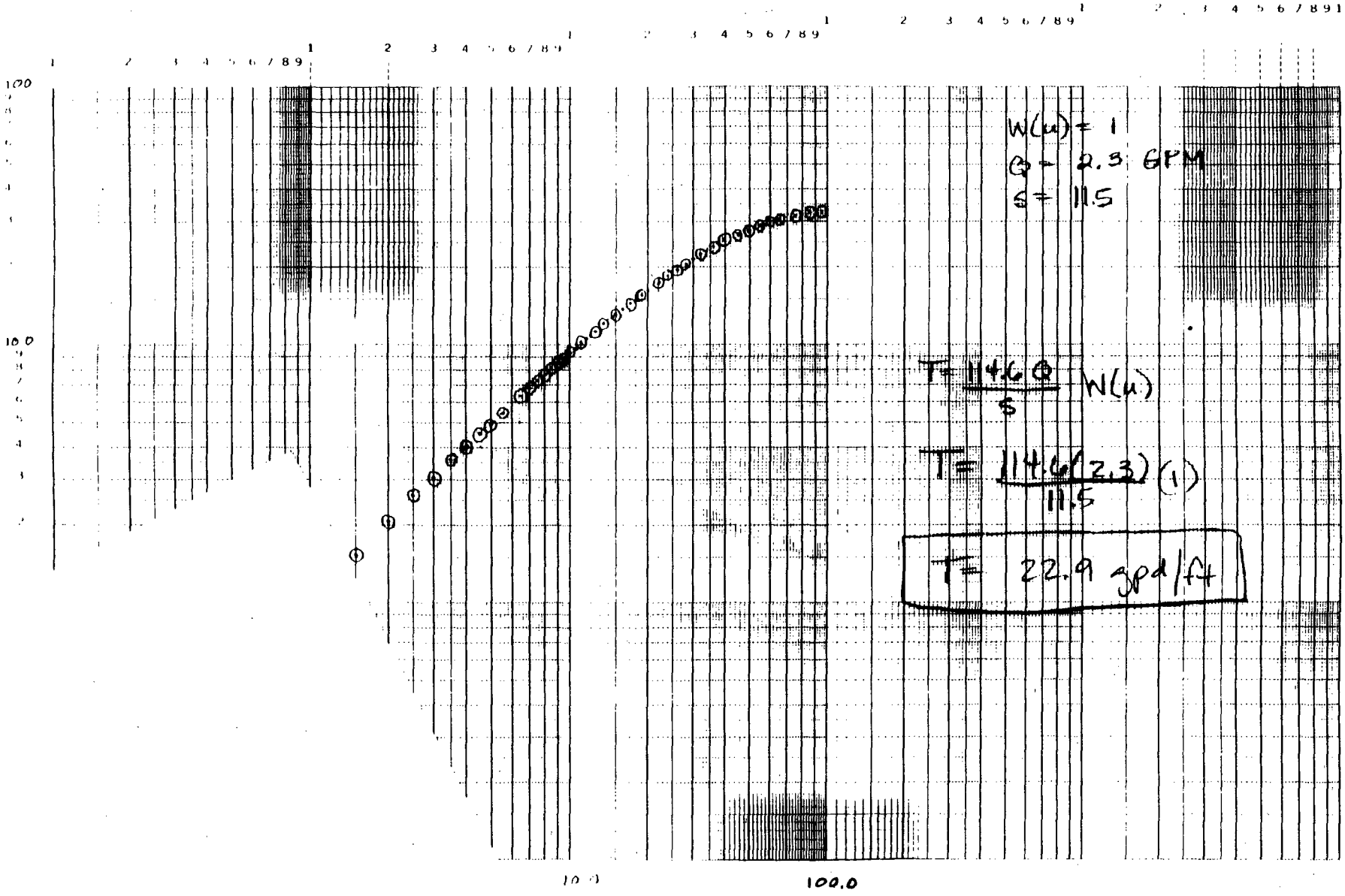


CTC 001 0861

K+E LOGARITHMIC 3 X 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522

MW-8
RECOVERY



$W(u) = 1$
$Q = 2.3$ GPM
$s = 11.5$

$$T = \frac{114.6\,Q}{s}\,W(u)$$

$$T = \frac{114.6(2.3)}{11.5}(1)$$

$$\boxed{T = 22.9 \text{ gpd/ft}}$$

CTC 001 0862

NUS CORPORATION

Page 1 of

DATE 8-8-85

CLIENT EPA FILE NO. $796 BY DRH

SUBJECT SINGLE WELL PUMP TEST Checked By CLN

WELL #9

STATIC WATER LEVEL - 10.51 FT DTW (BELOW CASING)

DRAWDOWN

Q = 23.0 gpm

TIME (min)	READING (DTW)	DRAWDOWN
0	10.51	—
0.25	13.82	3.31
0.75	16.38	5.87
1.25	17.75	7.24
2.0	19.00	8.49
2.5	19.48	8.97
3.0	19.76	9.25
4.0	20.16	9.65
5.0	20.32	9.81
7.0	20.58	10.07
7.0	20.70	10.19
10.5	20.82	10.31
15.0	21.18	10.67
20.0	21.39	10.88
25.0	21.55	11.04
30.0	21.77	11.26
40.0	22.00	11.49
50.0	22.09	11.58
60.0	22.23	11.72

CTC 001 0863

NUS CORPORATION

Page 2 of

DATE 3-3-85

CLIENT FPA FILE NO. 796 BY DRH

SUBJECT Checked By

WELL #9 (SMT)

RECOVERY

TIME (MIN)	READING (DTW)	UNCORRECTED RECOVERY
0	22.25 FT	
0.5	17.27 FT	4.98
1.0	14.80 FT	7.45
1.5	13.87 FT	8.38
2.0	13.35 FT	8.90
2.5	13.00 FT	9.25
3.0	12.77 FT	9.48
4.0	12.46 FT	9.79
5.0	12.29 FT	9.96
6.0	12.14 FT	10.11
7.0	12.02 FT	10.23
9.0	11.86 FT	10.39
10.0	11.80 FT	10.45
15.0	11.55 FT	10.70
20.0	11.41 FT	10.84
25.0	10.92 FT	11.33
45.0	10.81 FT	11.44

CTC 001 0864

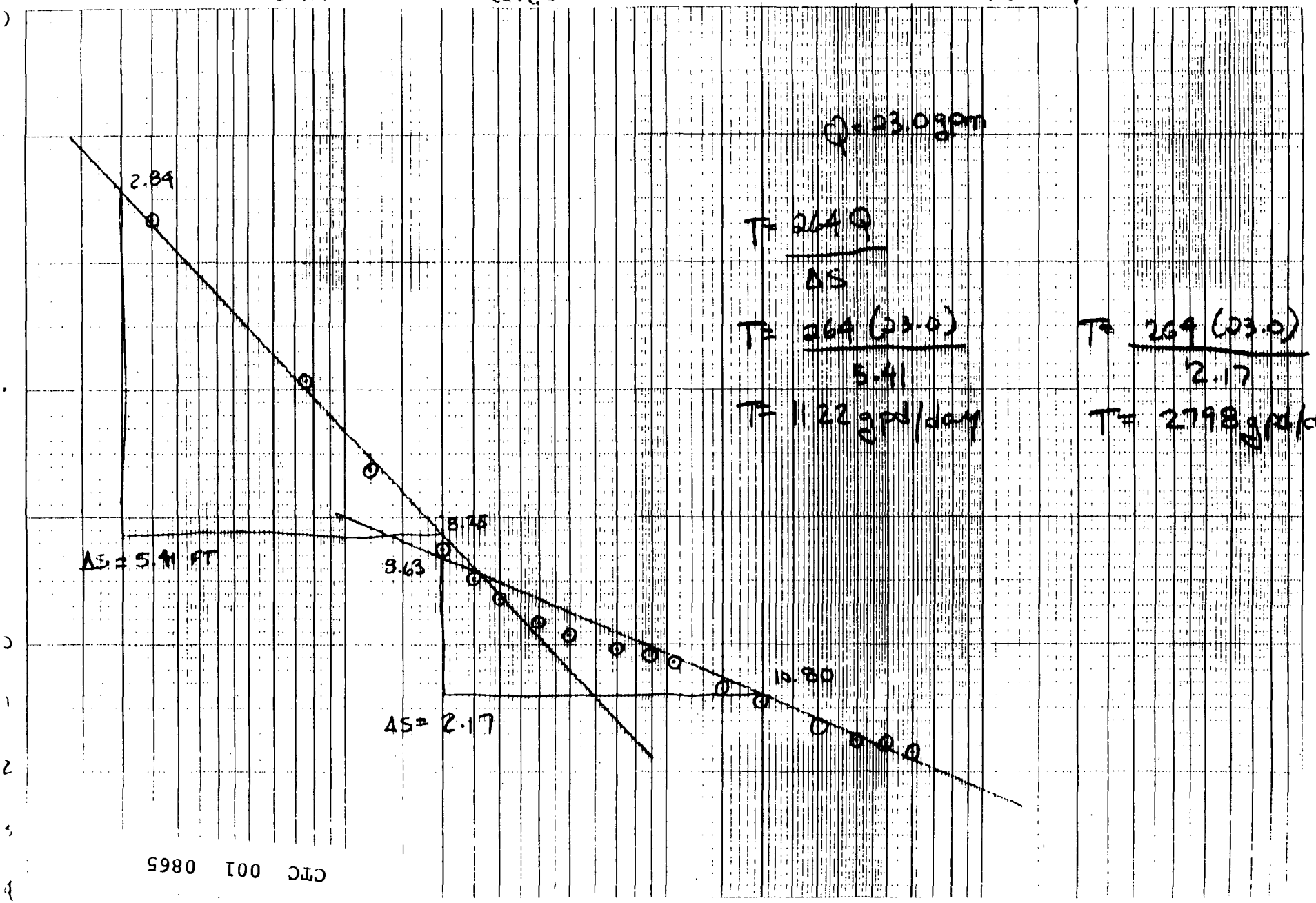
K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 6010

JACOB METHOD

STATIC WATER LEVEL

MW-9



Q = 23.0 gpm

$T = \frac{264\,Q}{\Delta S}$

$T = \frac{264\,(23.0)}{5.41}$

T = 1122 gpd/day

$T = \frac{264\,(23.0)}{2.17}$

T = 2798 gpd/day

CTC 001 0865

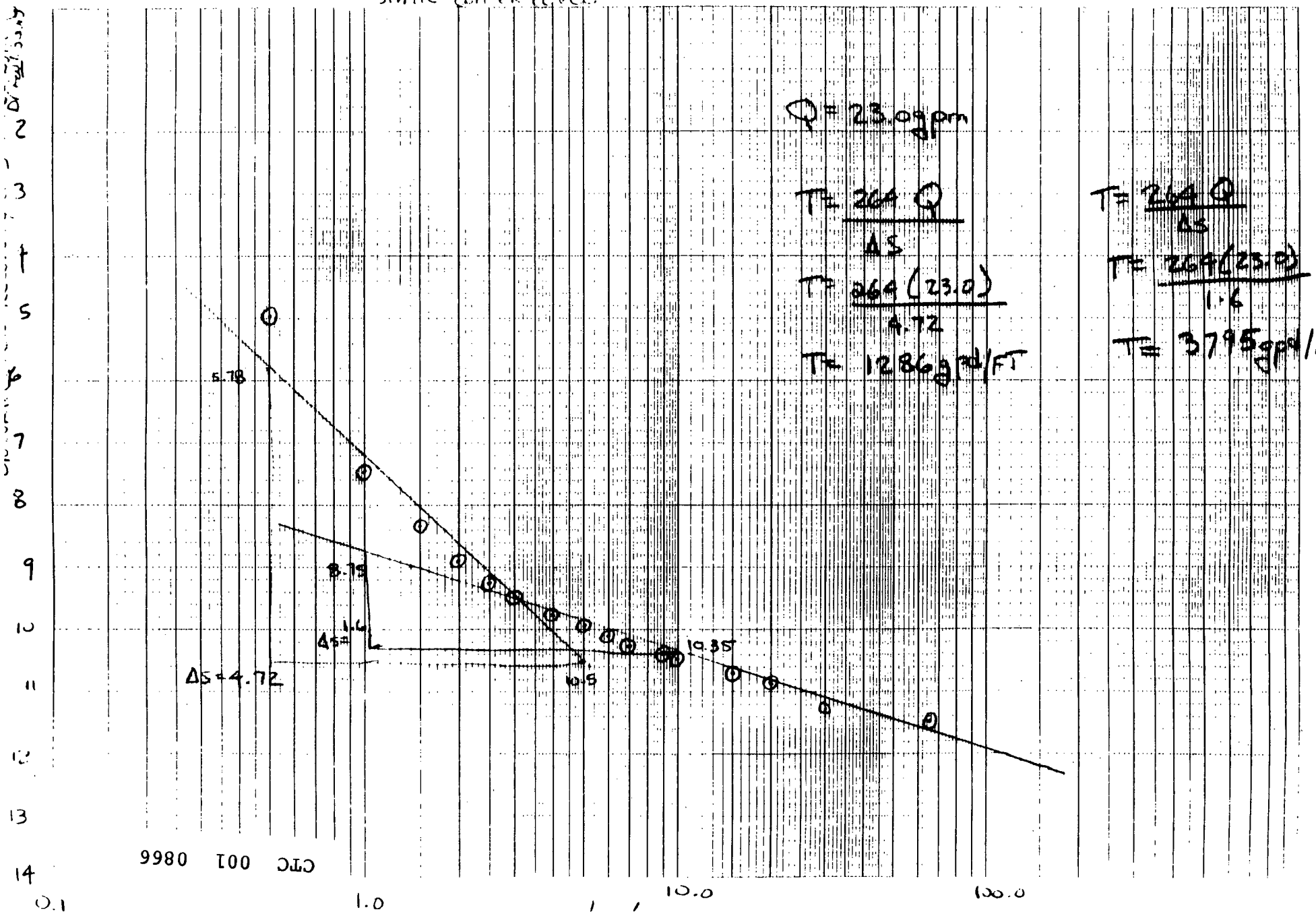
K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 6010

JACOB'S RECOVERY METHOD

MW-9

STATIC WATER LEVEL



$Q = 23.0$ gpm

$T = \frac{264\,Q}{\Delta s}$

$T = \frac{264\,(23.0)}{4.72}$

$T = 1286$ gpd/FT

$T = \frac{264\,Q}{\Delta s}$

$T = \frac{264\,(23.0)}{1.6}$

$T = 3795$ gpd/FT

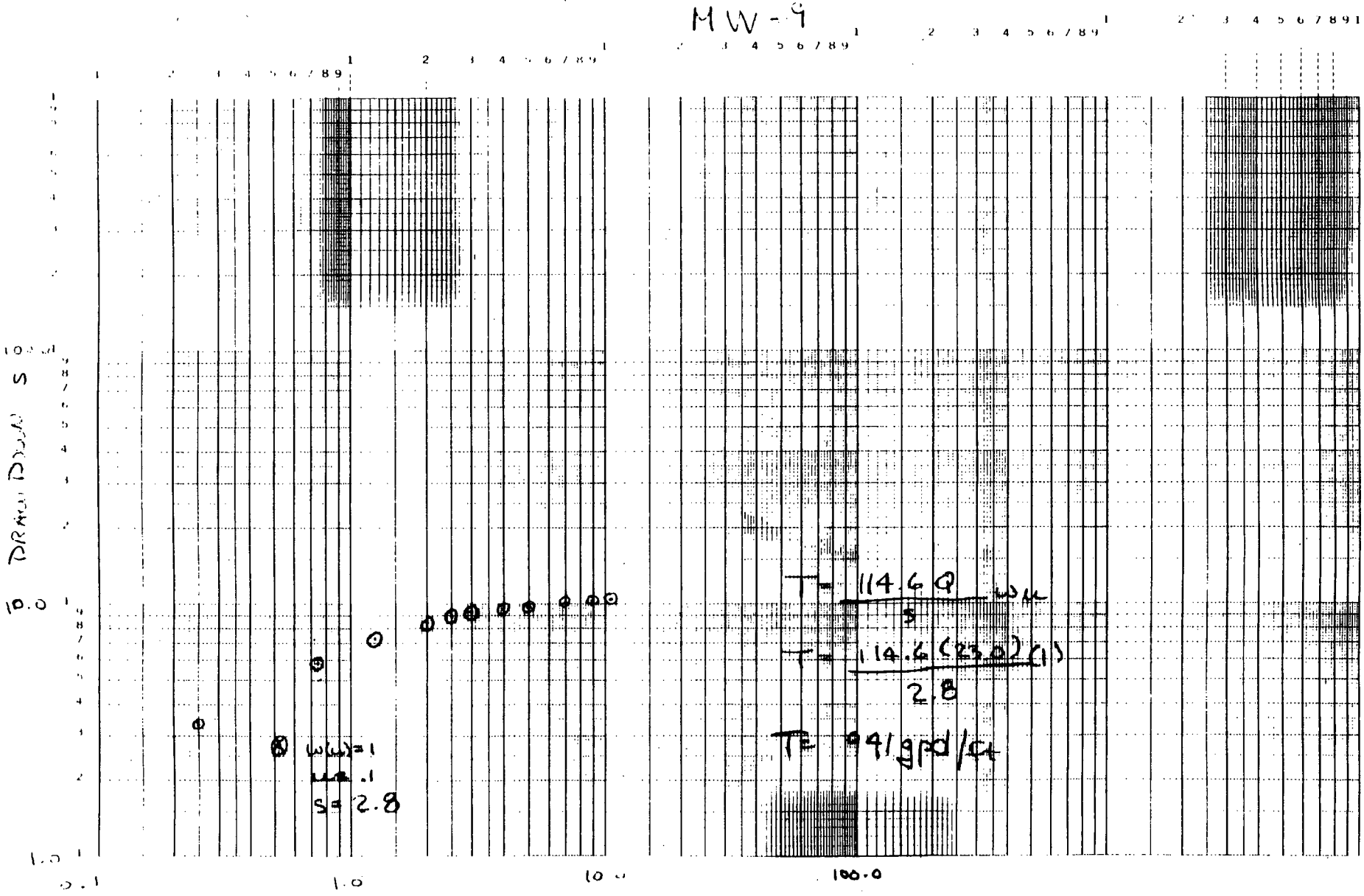
CTC 001 0866

K+E LOGARITHMIC 3 × 5 CYCLES KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522

CHLORELLA TESTING

MW-9



CTC 001 0867

Field GC Results

CTC 001 0868

NUS CORPORATION

PROJECT SUMMARY SHEET

Site name Caldwell Trucking Task name Well Pump Test

Site number 8796 Task number 8796.10

	TCE	1,1,1-TCEA	PCE	1,2-DCEE	1,1-DCEE	1,1-DCEA	MeCl2
NEAT PW01	↑	↑	↑	30	25	10	
1/10 PW01	400	320	200	35	25	10	
NEAT PW02	↑	↑	↑	30	20	10	
1/10 PW02	400	300	200	45	5	10	
NEAT PW03	↑	↑	↑	35	<5	10	
1/10 PW03	425	300	230	45	—	10	
1/2 PW03	↑	↑	↑	50	<5	10	
NEAT 1/10 PW04	400	275	225	DID NOT QUANT	—	DID NOT QUANT	
NEAT PW04	↑	↑	↑	30	20	10	
1/10 PW04 (dup)	400	350	200	40	25	10	
NEAT PW05	↑	↑	↑	15		<5	
1/10 PW05	425	350	200	30	30	10	
NEAT PW05 (dup)	↑	↑	↑	30	20	10	
NEAT PW06	↑	↑	↑	DID NOT QUANT	20	5	
1/10 PW06	450	375	200	20	30	20	
NEAT PW07	490	370	270	35	20	10	
1/10 PW07	↑	↑	↑	30	20	10	
1/10 PW08	DID NOT QUANT.	370	230	55	35	10	
1/10 PW08 (D)	410	360	230	40	30	10	
1/10 PW09	440	360	230	40	30	10	
1/10 PW10	↑	370	260	35	35	10	
1/20 PW10	640	460	340	45	30	—	
1/20 PW11	490	435	240	40	40	10	
1/20 PW12	510	400	265	50	25	40	
1/20 PW13	520	390	340	50	—	15	
1/21 PW14	550	545	300	55	50	15	
1/21 PW15	590	495	195	60	20	10	
1/21 PW15 (dup)	545	355	175	55	—	20	
1/25 PW16	670	510	230	65	20	15	
1/21 PW17	595	500	230	65	40	15	
1/21 PW18	530	385	180	45	15	15	
1/25 PW18 (dup)	540	500	240	50	35	15	
1/31 PW19	600	475	—	50	25	—	
1/31 PW19	655	855	—	65	—	—	
1/31 PW19 (D)	685	515	130	50	30	—	
1/31 PW21	630	560	305	45	—	25	
1/31 PW22	685	635	190	55	DID NOT INT.	20	
3/6 PW23	610	440	60	35	30	—	
3/7 PW24	665	440	100	45	30	15	
PW25 3/8	680	510	100	50	45	15	

Date August, 1985 Analysis VOA

Analyst Deborah M. Schuetz Method modified EPA 601

CTC 001 0869

	TCE	1,1,1-TCEA	PCE	1,2-DCEE	1,1-DCEE	1,1-DCEA	CCl_4		
NEAT MW2	↑	15	—	↑	5	↑	25		
1/2 MW-2	520	40	—	70	—	60	15		
1/20 MW2 (DUP)	≥ 460	35	—	65	DID NOT INT.	55	40		
NEAT MW3	ALL PARAMETERS B.N.D.L. (FID)								
1/20 MW3A	—	—	—	—	—	—			
NEAT MW2A	<5	<5	—	—	—	—	10		
NEAT MW4 FID	↑	↑	↑	↑	↑	↑	↑		
1/20 MW4 FID	590	120	—	100	20	45	55		
1/20 MW4 FID(D)	545	120	10	75	20	75	65		
1/10 MW4	100	75	—	20	—	10	10		
1/10 MW4(D)	100	85	—	20	—	10	10		
NEAT MW5	DATA NOT CONCLUSIVE								
1/10 MW5	—	35	—	—	—	5			
MW5A NEAT	<5	5	—	—	—	<5	<5		
1/10 MW5A	—	75	—	—	—	10			
NEAT MW6	10	—	—	—	—	10	50		
1/100 MW6	5	<5	—	<5	—	5	20		
MW8 NEAT	ALL PARAMETERS B.N.D.L. (FID).								
1/2 MW8	—	<5	—	—	—	<5			
NEAT MW9	10	<5	5	—	—	<5			
1/10 MW9	10	60	—	—	—	5			
MW9A NEAT	85	5	—	<5	—	10			
NEAT UNNATIC	↑	↑	↑	↑	<5	↑	—		
1/20 UNNATIC	↑ (>600)	315	<20	310	—	40	—		
1/2 O'CONNOR ST.	↑	↑	↑	10	—	30	—		
1/40 O'CONNOR ST	135	<40	<40	<40	—	20	—		
1/2 CONNECT NEAT	↑	↑	↑	260	—	410	15		
1/20 CONNECT (DUP)	>6000	8170	CANT QUANT	160	—	525	—		

CTC 001 0870

PROJECT SUMMARY SHEET

Site name Caldwell Trucking Task name Soil/Subsoil Sampling

Site number 5796 Task number 5796.15

(ug/Kg)

Sample	1,1-DCEE	1,1-DCEA	1,2-DCEE	1,1,1-TCEA	TCE	PCE	
SD 000	<50	<50B	<50	<100B	<100B	<50B	
001	<50B	<50B	<50B	130BJ	240BJ	<50B	
002	<50	80BJ	<50B	<100B	<100B	<50B	
003	<50	<100B	<50	<100B	<100B	<150B	
004	<50	<100B	<50	<100B	<100B	<150B	
005	<50	<75B	<50B	<100B	<100B	<50B	
006	<50	<50B	55J	<100B	<100B	<50B	
007	<50B	<50B	<50	<50B	<100B	<50B	
008	<50	<50B	<50	<100B	<100B	<50B	
009	<50B	<50B	<50	<50B	<100B	<50B	
010	<150B	<100	<100B	<100B	<100B	<120B	
012	<150B	<100	<100B	<100B	255BJ	200BJ	
013	<150B	<100	<100B	<100B	<100B	<120B	
014	<50B	110JB	70	<50B	<100B	<50B	
015	<150B 145B	<100 <50B	<100B 1160	<100B <50B	<100B <100B	<120B <50B	
016	<50B	<50B	140	<50B	<100B	<50B	
017	<150B	<100	<100B	<100B	<100B	<120B	
Background	<50B <50B	<75B 285	<50B <50B	<100B 190	<100B <100B	<50B 205	
SD101	<50B	<75B	<50B	<100B	<100B	<50B	
SD102	<50 600	<50B <50B	<50 <50	<100B <100B	<100B <100B	<150B <150B	
SD103	<50	65JB	<50	<100B	<100B	<150B	
SD104	<50	<50B	<50	<100B	<100B	<150B	
SD104A	<50B	<75B	<50B	<100B	<100B	<50B	
SD105	<50	<100B	<50	<100B	<100B	<150B	
SD106	<50	<100B	<50	<100B	<100B	<150B	
SD107	<50	<100B	<50	<100B	<100B	<150B	
SD108	<50	<100B	<50	<100B	<100B	<150B	
SD108A	<50 55J	<100B <100B	<50 <50	<100B <100B	<100B <100B	<150B <150B	
SD109	<50	85BJ	<50	115BJ	<100B	<150B	
SD110	175	<50B	<50	<100B	<100B	<150B	

Date October - Nov. 1985 Analysis VOA

Analyst [illegible] Method Methanol Extraction

CTC 001 0871

NUS CORPORATION / FIELD SCREENING

PROJECT SUMMARY REPORT FORM

p 1 of 1 of 1

Site name: Caldwell Trucking

Site number: 3796

Task name: Soil/Sediment Sampling

Task number: 3796.10

Date(s): October - November 1985

Analysis: PCB's

Method: Modified Spotter

Analyst(s): Debra A Schutz

~ug/L or (~ug/Kg)

sample	Aroclor 1016	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Background	< 300	< 300	< 300	< 300	< 300	< 300
~~SO 000~~						
001						
002						
003						
004						
005			430			
006			~~2400~~			480
007			860			1990
008	69,000		< 300			< 300
009	< 300	520				~~400~~
010		~~360~~				< 300
012		< 300		~~50,000~~		
013		~~2400~~		< 300	~~900~~	
014		< 300			< 300	
014A						
015		~~800~~				
016		< 300				
017						
SO101	(280)					
SO102	< 300					
SO103						
SO104						
SO105						
(continued)						

CTC 001 0872

Note: Dilutions (if they were performed) are indicated in the "sample" column. These values as reported are not corrected for moisture content.

Comments:

Reviewed by Charles A Kiede 11/15/85

"Weathering" may have altered the Aroclor mixtures once present in these samples. Therefore, the numbers listed above reflect the weight's constituents of which Aroclor was p

NUS CORPORATION / FIELD SCREENING

PROJECT SUMMARY REPORT FORM page 1 of 1

Site name: Caldwell Trucking
Site number: 3796
Task name: Soil/Sediment Sampling
Task number: 3796.10

Date(s): October - November 1985
Analysis: PCB's
Method: Modified Soxhlet
Analyst(s): Debra A Schultz

~ug/L or (~ug/Kg)

Sample	Aroclor 1016	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
	parameters					
30106	<300	(180)	<300	<300	<300	<300
30107		640		720		
30108		<300		<300		
30108R						
30109						
30110		500				(190)

CTC 001 0873

Note: Dilutions (if they were performed) are included in the "sample" column. These values are reported are not corrected for moisture content?

Comments:

Reviewed by Charles A. Kiede 11/5/85

"weathering" may have altered the aroclor mixtures originally present in these samples. Similarly, the moisture content may affect the accuracy of which aroclor was present

5

CTC 001 0874

DRAFT

ANALYTICAL RESULTS

CTC 001 0875

SAMPLE TYPE: SO

SAMPLE NUMBER :			CT-SO-000	CT-SO-001	CT-SO-002	CT-SO-003	CT-SO-004	CT-SO-005	CT-SO-006	CT-SO-007
TRAFFIC REPORT NUMBER :			BC351	BB481	BB482	BB483	BA666	BA667	BC339	BC340
DESCRIPTION:			BLANK	1 FT. SO-1	1 FT. SO-2	1 FT. SO-3	1 FT. SO-4	1 FT. SO-5	SURFACE SO-6	SURFACE SO-7
*** VOLATILES ***										
PP	CAS NO	COMPOUND								
44V	75-09-2	METHYLENE CHLORIDE	ND	74BR	6B	13BR	39BR	19BR	19BR	8BR
	67-64-1	ACETONE	10JBR	10JBR	ND	10JR	ND	10JBR	10JR	ND
14H	78-93-3	2-BUTANONE	16BR	10JBR	10JBR	10JBR	10JBR	10JBR	12BR	12BR
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	5J
4V	71-43-2	BENZENE	ND	5JBR	ND	ND	5JR	ND	5JR	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	34
86V	108-88-3	TOLUENE	5J	5JR	14R	27R	26R	7R	5JR	5JR
38V	100-41-4	ETHYLBENZENE	ND	ND	ND	5J	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	5J	5J	5J	ND	ND
*** BASE/NEUTRALS ***										
PP	CAS NO	COMPOUND								
	106-47-8	4-CHLOROANILINE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
80B	86-73-7	FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND
62B	86-30-6	N-NITROSODIPHENYLAMINE	ND	330JR	ND	ND	ND	ND	ND	ND
91B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	ND	ND	330J	ND
79B	120-12-7	ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	330JBR	570BR	760BR	330JBR	390BR	330JBR	330JBR	940BR
39B	206-44-0	FLUORANTHENE	ND	ND	ND	ND	ND	ND	1000	ND
84B	129-00-0	PYRENE	ND	ND	ND	ND	ND	ND	770	ND
72B	56-55-3	BENZO(A)ANTHRACENE	ND	ND	ND	ND	ND	ND	390	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	930R	330JR	1800R	330JBR	330JR	ND	440BR	620R
76B	218-01-9	CHRYSENE	ND	ND	ND	ND	ND	ND	410	ND

CTC 001 0876

SAMPLE TYPE: SO

SAMPLE NUMBER :			CT-SO-000	CT-SO-001	CT-SO-002	CT-SO-003	CT-SO-004	CT-SO-005	CT-SO-006	CT-SO-007
TRAFFIC REPORT NUMBER :			BC351	BB481	BB482	BB483	BA666	BA667	BC339	BC340
DESCRIPTION:			BLANK	1 FT. SO-1	1 FT. SO-2	1 FT. SO-3	1 FT. SO-4	1 FT. SO-5	SURFACE SO-6	SURFACE SO-7
748	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	380/330J	ND
738	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	330J	ND
838	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND	ND	ND	330J	ND
798	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	330J	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	72-54-8	4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	210
	12674-11	AROCLOR-1016	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	210J	ND	ND
	12672-29	AROCLOR-1248	ND	ND	ND	ND	ND	ND	3900C	ND

CTC 001 0877

SAMPLE TYPE: SO

SAMPLE NUMBER :	CT-SO-000	CT-SO-001	CT-SO-002	CT-SO-003	CT-SO-004	CT-SO-005	CT-SO-006	CT-SO-007
TRAFFIC REPORT NUMBER :	MBB768	MBB735	MBB736	MBB737	MBB740	MBB741	MBB742	MBB743
DESCRIPTION:	BLANK	1 FT. SO-1	1 FT. SO-2	1 FT. SO-3	1 FT. SO-4	1 FT. SO-5	SURFACE SO-6	SURFACE SO-7

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	699*J	9550*J	17500*J	11600*J	17800*J	10600*J	11900*J	16900*J
3		ARSENIC	18	13	18	24	10	6.2	12	17
4		BARIUM	[80]	[35]	[47]	[44]	[74]	[76]	264	904
5		BERYLLIUM	ND	[0.5]	[0.5]	[1.2]	[0.5]	[0.5]	[0.9]	[0.8]
6		CADMIUM	ND	[2.0]*J	[2.2]*J	ND	[1.2]*J	16*J	19*J	36*J
7		CALCIUM	[1070]	[2560]	ND	ND	ND	[1920]	[2800]	8250
8		CHROMIUM	77*	16	132	437	46	20	278	7.3
9		COBALT	ND	[15]	[21]	[12]	[21]	[11]	[11]	[19]
10		COPPER	[24]R	ND	ND	ND	ND	ND	ND	139*
11		IRON	731*	17500	31000	16900	29600	17600	22600	26900
12		LEAD	46	24	31	29	18	365	2240	8860
13		MAGNESIUM	[1580]J	[5030]J	4440J	[2730]J	7010J	3920J	4460J	6310J
14		MANGANESE	16J	408J	506J	322J	636J	347J	367J	530J
15		MERCURY	0.9	ND	ND	ND	ND	ND	1.5	2.5
16		NICKEL	[15]J	[14]J	[19]J	[9.8]J	25J	[8.5]J	26J	29J
17		POTASSIUM	[556]J	[701]J	[653]J	[468]J	[889]J	[750]J	[90]J	[1720]J
19		SILVER	858	ND	ND	ND	ND	ND	49	ND
20		SODIUM	[2070]	ND	ND	ND	ND	ND	ND	[608]
23		VANADIUM	ND	42	92	50	81	45	48	66
24		ZINC	206*	53	52	51	70	133	336	532

SAMPLE TYPE: SO

SAMPLE NUMBER :	CT-SO-000	CT-SO-001	CT-SO-002	CT-SO-003	CT-SO-004	CT-SO-005	CT-SO-006	CT-SO-007
TRAFFIC REPORT NUMBER :	MBB768	MBB735	MBB736	MBB737	MBB740	MBB741	MBB742	MBB743
DESCRIPTION:	BLANK	1 FT. SO-1	1 FT. SO-2	1 FT. SO-3	1 FT. SO-4	1 FT. SO-5	SURFACE SO-6	SURFACE SO-7
*** GEOCHEMICAL PARAMETERS ***								
PP CAS NO COMPOUND								
TOC	1.0	1.0	1.2	1.0	0.89	1.5	1.8	1.8

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SO

SAMPLE NUMBER :	CT-SO-008	CT-SO-009	CT-SO-010	CT-SO-011	CT-SO-012	CT-SO-013	CT-SO-014	CT-SO-014A
TRAFFIC REPORT NUMBER :	SC341	SC342	SC343	SC344	SC345	SC346	SC347	SC352
DESCRIPTION:	SURFACE	SURFACE	1 FT.	6 IN.	1 FT.	6 IN.	3 FT.	3 FT.
	SO-8	SO-9	SO-10	SO-11	SO-12	SO-13		

*** VOLATILES ***

PP	CAS NO	COMPOUND							
44V	75-09-2	METHYLENE CHLORIDE	59BR	16BR	9BR	16BR	39BR	13BR	31BR	5BR
	67-64-1	ACETONE	50R	ND	27BR	44BR	10JBR	34BR	ND	ND
14H	78-93-3	2-BUTANONE	50JBR	10JBR	10BR	13BR	12BR	16BR	14BR	10JBR
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	5J
67V	79-01-6	TRICHLOROETHENE	99	ND	ND	10	ND	ND	5J	17
4V	71-43-2	BENZENE	ND	5JBR	ND	ND	5JBR	ND	5JR	ND
95V	127-18-4	TETRACHLOROETHENE	960	ND	ND	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	75	5JR	5JR	23R	5JR	13R	6R	22R
39V	100-41-4	ETHYLBENZENE	ND	ND	ND	5J	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	5J	ND	13	10	ND	ND	5J

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
	106-47-8	4-CHLOROANILINE	ND	ND	ND	ND	330J	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	330J	ND	ND	ND	ND	ND	ND	ND
80B	86-73-7	FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND
62B	86-30-6	N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	330JR	ND	330JR	ND
81B	85-01-8	PHENANTHRENE	ND	ND	330J	ND	330J	ND	ND	ND
78B	120-12-7	ANTHRACENE	ND	ND	ND	ND	330J	ND	ND	ND
66B	84-74-2	DI-N-BUTYL PHTHALATE	480BR	760JBR	340BR	330JBR	330JBR	330JBR	330JBR	330JBR
39B	206-44-0	FLUORANTHENE	ND	ND	330J	ND	490	ND	ND	ND
84B	129-00-0	PYRENE	ND	ND	ND	ND	600	ND	ND	ND
72B	56-55-3	BENZO(A)ANTHRACENE	ND	ND	ND	ND	330J	ND	ND	ND
68B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	600BR	6200R	460R	330JR	770R	330JR	330JBR	ND
76B	218-01-9	CHRYSENE	ND	ND	ND	ND	440	ND	ND	ND

SAMPLE TYPE: SO

SAMPLE NUMBER :			CT-SO-008	CT-SO-009	CT-SO-010	CT-SO-011	CT-SO-012	CT-SO-013	CT-SO-014	CT-SO-014A
TRAFFIC REPORT NUMBER :			SC341	SC342	SC343	SC344	SC345	SC346	SC347	SC352
DESCRIPTION:			SURFACE SO-8	SURFACE SO-9	1 FT. SO-10	6 IN. SO-11	1 FT. SO-12	6 IN. SO-13	3 FT.	3 FT.
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	330J/330J	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	330J	ND	ND	ND
63B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	72-54-8	4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND
	12674-11	AROCLOR-1016	24000C	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	600R	ND	470J	ND	690	ND	ND
	12672-29	AROCLOR-1248	ND	ND	280J	ND	76000C	1800	ND	ND

SAMPLE TYPE: SO

SAMPLE NUMBER :	CT-SO-008	CT-SO-009	CT-SO-010	CT-SO-011	CT-SO-012	CT-SO-013	CT-SO-014	CT-SO-014A
TRAFFIC REPORT NUMBER :	MSB758	MSB759	MSB760	MSB761	MSB762	MSB763	MSB764	MSB769
DESCRIPTION:	SURFACE SO-8	SURFACE SO-9	1 FT. SO-10	6 IN. SO-11	1 FT. SO-12	6 IN. SO-13	3 FT.	3 FT.

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	15300*J	11200J	14100J	14300J	9770J	6590J	43000J	10700J
3		ARSENIC	19	14*	11*	13*	[5.0]*	[4.5]*	6.8*	9.2*
4		BARIUM	212	[48]	[68]	[119]	[50]	[56]	173	[44]
5		BERYLLIUM	[0.7]	[0.5]	[0.6]	[1.0]	[0.7]	[0.6]	[1.6]	[0.9]
6		CADMIUM	43*J	3.5J	20J	5.5J	3.7J	15J	5.2J	[2.0]J
7		CALCIUM	[474]	4210	[693]	[143]	[1370]	[962]	44800	12200
8		CHROMIUM	45	34*	26*	29*	18*	24*	60*	13*
9		COBALT	[18]	[16]	[19]	[19]	[15]	[14]	50	[14]
10		COPPER	88*	43	42	49	55	44	146	35
11		IRON	25400	21800	27000	25100	18600	19500	80600	19600
12		LEAD	1110	200*	54*	680*	27*	223*	49*	10*
13		MAGNESIUM	4530J	5740J	6270J	4530J	4530J	3830J	31400J	7700J
14		MANGANESE	411J	311RJ	644J	600J	290J	378J	1640J	383J
15		MERCURY	1.6	ND	ND	0.6	ND	0.2	ND	ND
16		NICKEL	27J	26J	[22]J	[21]J	[19]J	[12]J	73J	[21]J
17		POTASSIUM	[721]J	[892]J	[819]J	[996]J	[689]J	[546]J	2920J	[893]J
19		SILVER	ND	ND	ND	ND	16	ND	ND	ND
20		SODIUM	[268]	[694]	[310]	[202]J	[362]	[279]	2860	[666]
23		VANADIUM	64	52	50	70	40	50	147	36
24		ZINC	297	71*	129*	137*	92*	115*	234*	55*

CTC 001 0882

SAMPLE TYPE: SO

SAMPLE NUMBER :	CT-SO-008	CT-SO-009	CT-SO-010	CT-SO-011	CT-SO-012	CT-SO-013	CT-SO-014	CT-SO-014A
TRAFFIC REPORT NUMBER :	MBB758	MBB759	MBB760	MBB761	MBB762	MBB763	MBB764	MBB769
DESCRIPTION:	SURFACE SO-8	SURFACE SO-9	1 FT. SO-10	6 IN. SO-11	1 FT. SO-12	6 IN. SO-13	3 FT.	3 FT.
*** GEOCHEMICAL PARAMETERS ***								
PP / CAS NO / COMPOUND								
TOC	0.77	0.81	1.1	1.8	0.70	0.64	0.72	0.80

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SO

SAMPLE NUMBER :		CT-SO-015	CT-SO-016	CT-SO-017	CT-SO-SG
TRAFFIC REPORT NUMBER :		SC348	SC349	SC350	SC363
DESCRIPTION:		SURFACE	SURFACE	8 IN.	SURFACE
		SO-15	SO-16	SO-17	SO-20
*** VOLATILES ***					
PP	CAS NO	COMPOUND			
44V	75-09-2	METHYLENE CHLORIDE	15R	9BR	7BR	8BR
	67-64-1	ACETONE	21BR	42BR	10JR	11R
14H	78-93-3	2-BUTANONE	13BR	14BR	11BR	10JBR
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	6J	ND
4V	71-43-2	BENZENE	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	5J	ND
86V	108-88-3	TOLUENE	5JR	5JR	87	5JR
38V	100-41-4	ETHYLBENZENE	ND	ND	5J	ND
	95-47-6	TOTAL XYLENES	ND	ND	20	ND
*** BASE/NEUTRALS ***						
PP	CAS NO	COMPOUND				
	106-47-8	4-CHLOROANILINE	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	330J	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND
80B	86-73-7	FLUORENE	330J	ND	ND	ND
62B	86-30-6	N-NITROSODIPHENYLAMINE	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	990	ND	ND	ND
78B	120-12-7	ANTHRACENE	330J	ND	ND	ND
66B	84-74-2	DI-N-BUTYL PHTHALATE	330JBR	330JBR	330JBR	330JBR
39B	206-44-0	FLUORANTHENE	2100	ND	ND	ND
84B	129-00-0	PYRENE	1400	ND	330J	ND
72B	56-55-3	BENZO(A)ANTHRACENE	840	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330JR	330JR	1000BR	ND
76B	218-01-9	CHRYSENE	950	ND	ND	ND

SAMPLE TYPE: SO

SAMPLE NUMBER :			CT-SO-015	CT-SO-016	CT-SO-017	CT-SO-SG
TRAFFIC REPORT NUMBER :			SC349	SC349	SC350	SC363
DESCRIPTION:			SURFACE SO-15	SURFACE SO-16	8 IN. SO-17	SURFACE SO-20
74B	205-99-2	BENZO(BBK)FLUORANTHENES	1700/990	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	890	ND	ND	ND
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	440	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	680	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND				
	72-54-8	4,4'-DDD	ND	ND	17C	ND
	12674-11	AROCLOR-1016	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	420	ND
	12672-29	AROCLOR-1248	ND	ND	ND	ND

SAMPLE TYPE: SO

SAMPLE NUMBER :	CT-SO-015	CT-SO-016	CT-SO-017	CT-SO-SG
TRAFFIC REPORT NUMBER :	MSB765	MSB766	MSB767	MSD605
DESCRIPTION:	SURFACE	SURFACE	8 IN.	SURFACE
	SO-15	SO-16	SO-17	SO-20

*** INORGANICS ***

PP	CAS NO	COMPOUND				
1		ALUMINUM	10900J	12300J	18600J	19700*J
3		ARSENIC	6.3*	[4.6]*	13*	32
4		BARIUM	[57]	[76]	947	[89]
5		BERYLLIUM	[0.5]	ND	[0.9]	[0.6]
6		CADMIUM	4.6J	2.8J	7.7J	[2.5]*J
7		CALCIUM	[1450]	6850	9860	ND
8		CHROMIUM	27*	14*	32*	33
9		COBALT	[24]	[16]	[20]	[16]
10		COPPER	61	36	92	ND
11		IRON	21200	20900	26100	34200
12		LEAD	67*	359*	6110*	42
13		MAGNESIUM	4510J	5110J	7230J	5640J
14		MANGANESE	478J	427J	587J	626J
15		MERCURY	ND	ND	3.5	ND
16		NICKEL	60J	[9.3]J	24J	[16]J
17		POTASSIUM	[764]J	[625]J	[2140]J	[2200]J
19		SILVER	ND	ND	ND	ND
20		SODIUM	[238]	[419]	[1280]	ND
23		VANADIUM	52	49	61	69
24		ZINC	89*	59*	228*	86

SAMPLE TYPE: SO

SAMPLE NUMBER :	CT-SO-015	CT-SO-016	CT-SO-017	CT-SO-SG
TRAFFIC REPORT NUMBER :	MS9765	MS9766	MS9767	MS0605
DESCRIPTION:	SURFACE	SURFACE	8 IN.	SURFACE
	SO-15	SO-16	SO-17	SO-20

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND				
		TOC	1.4	0.69	2.1	0.78

Notes:
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6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SD-101	CT-SD-102	CT-SD-103	CT-SD-104	CT-SD-105	CT-SD-106	CT-SD-110
TRAFFIC REPORT NUMBER :	BC353	BC354	BC355	BC356	BC357	BC358	BC362
DESCRIPTION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7

*** VOLATILES ***

PP	CAS NO	COMPOUND						
44V	75-09-2	METHYLENE CHLORIDE	110B	5BR	210B	15BR	140B	10BR	120R
	67-64-1	ACETONE	10JBR	ND	ND	ND	38BR	ND	52BR
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	5J	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND	ND	33
14H	78-93-3	2-BUTANONE	14BR	10JBR	18BR	10BR	ND	10JBR	21BR
4V	71-43-2	BENZENE	5JBR	ND	5JBR	ND	10BR	ND	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	5J	25	21
	95-47-6	TOTAL XYLENES	ND	10	ND	ND	ND	5J	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND							
61B	62-75-9	N-NITROSODIMETHYLAMINE	ND	ND	330JR	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	ND	ND	2800
68B	84-74-2	DI-N-BUTYL PHTHALATE	4500BR	750BR	330JBR	330JBR	330JBR	330JBR	2200JBR
39B	206-44-0	FLUORANTHENE	2700J	ND	ND	ND	ND	ND	6100
84B	129-00-0	PYRENE	ND	ND	ND	ND	ND	ND	3900
67B	85-68-7	BUTYL BENZYL PHTHALATE	2700JR	ND	ND	ND	ND	ND	ND
72B	56-55-3	BENZO(A)ANTHRACENE	ND	ND	ND	ND	ND	ND	2600
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	2700JR	1000R	330JR	330JBR	ND	330JBR	6500R
76B	218-01-9	CHRYSENE	ND	ND	ND	ND	ND	ND	3800
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	3300/2700
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	2800
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	1400

*** ACIDS ***

PP	CAS NO	COMPOUND

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SD-101	CT-SD-102	CT-SD-103	CT-SD-104	CT-SD-105	CT-SD-106	CT-SD-110
TRAFFIC REPORT NUMBER :	BC363	BC364	BC365	BC366	BC367	BC368	BC362
DESCRIPTION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND							
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	9.9J
	50-29-3	4,4'-DDT	ND	ND	ND	ND	ND	ND	95J
	11096-82	AROCLOR-1260	2100J	ND	ND	ND	ND	140J	ND

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SD-101	CT-SD-102	CT-SD-103	CT-SD-104	CT-SD-105	CT-SD-106	CT-SD-110
TRAFFIC REPORT NUMBER :	MSD595	MSD596	MSD597	MSD598	MSD599	MSD600	MSD604
DESCRIPTION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	35600*J	12400*J	11100*J	6910*J	9350*J	14200*J	7150*J
3		ARSENIC	19	11	[4.7]	[3.1]	ND	7.6	18
4		BARIUM	148	[35]	[58]	[16]	[58]	591	[76]
5		BERYLLIUM	[0.7]	ND	ND	ND	ND	ND	[1.0]
6		CADMIUM	21*J	3.5*J	[2.7]*J	[2.6]*J	[2.3]*J	4.5*J	6.5*J
7		CALCIUM	[1300]	6630	9600	7600	5460	9250	11300
8		CHROMIUM	186	21	6.4	6.6	13	21	26
9		COBALT	35	[17]	[13]	[10]	[10]*	[12]	[10]
10		COPPER	187	ND	ND	ND	ND	ND	ND
11		IRON	31000	22000	19400	15600	17000	22600	18900
12		LEAD	372	56	212	35	347	5230	280
13		MAGNESIUM	4910J	6100J	7260J	5960J	P5460J	6490J	6210J
14		MANGANESE	508J	374J	222J	245J	287J	409J	264J
15		MERCURY	ND	ND	ND	ND	ND	3.5	ND
16		NICKEL	159	[17]	[12]J	[10]J	[6.3]J	[16]J	[21]J
17		POTASSIUM	[952]J	[442]J	[416]J	[388]J	[552]J	[1180]J	[976]J
20		SODIUM	[2370]J	[671]J	[633]	[198]	[86]	ND	ND
21		THALLIUM	ND	6.4	[4.3]	[5.3]	6.6	ND	7.6
23		VANADIUM	65	53	40	45	47	59	42
24		ZINC	557	53	46	41	47	276	727

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SD-101	CT-SD-102	CT-SD-103	CT-SD-104	CT-SD-105	CT-SD-106	CT-SD-110
TRAFFIC REPORT NUMBER :	MBD595	MBD596	MBD597	MBD598	MBD599	MBD600	MBD604
DESCRIPTION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

Notes:
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New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-000	CT-LSS-001A	CT-LSS-001B	CT-LSS-001C	CT-LSS-001D	CT-LSS-002	CT-LSS-004	CT-LSS-005
TRAFFIC REPORT NUMBER :			SS174	SS170	SS171	SS172	SS173	SS464	SS181	SS182
DESCRIPTION:			BLANK	S-1	S-1	S-1	S-1	S-2/SO-19	S-4	S-5
				4.5-6'	7.5-9'	13.5-15'	16.5-18'	0-1.5'	1.5-3'	1.5-3'
*** VOLATILES ***										
PP	CAS NO	COMPOUND								
44V	75-09-2	METHYLENE CHLORIDE	33B	16BR	14BR	67BR	15BR	11BR	7.8BR	2200BR
	67-64-1	ACETONE	9.6JB	12BR	19BR	14BR	5.8JBR	7.2JBR	13BR	3500BR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	7.0	3.1J	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	46	ND	ND	ND	4.2JR	3.1JR	ND	240JBR
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	9500BR
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
49V	75-27-4	BROMODICHLOROMETHANE	5.0	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	7.0R	4.1JR	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	17	13	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	3.6	17R	5.4JR	ND	ND	ND	ND	1600
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	ND	7.7	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	18	11	ND	ND	ND	ND	ND
*** BASE/NEUTRALS ***										
PP	CAS NO	COMPOUND								
61B	62-75-9	N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND
6B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-000	CT-LSS-001A	CT-LSS-001B	CT-LSS-001C	CT-LSS-001D	CT-LSS-002	CT-LSS-004	CT-LSS-005
TRAFFIC REPORT NUMBER :			88174	88170	88171	88172	88173	88494	88181	88182
DESCRIPTION:			BLANK	B-1 4.5-6'	B-1 7.5-9'	B-1 13.5-15'	B-1 16.5-18'	B-2/SO-19 0-1.5'	B-4 1.5-3'	B-5 1.5-3'
55B	91-20-3	NAPHTHALENE	ND	1100	ND	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	750	ND	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	940	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	180J	ND	ND	ND	ND	ND
	132-64-9	DIBENZOFURAN	ND	790	ND	ND	ND	ND	ND	ND
80B	86-73-7	FLUORENE	ND	790	ND	ND	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	ND	2000	350J	ND	ND	ND	ND	ND
88B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	820	240J	ND	ND	ND	ND	ND
84B	129-00-0	PYRENE	ND	470	ND	ND	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	530	230J	260J	260J	ND	180J	190J

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	72-55-9	4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND
	72-54-8	4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND
	50-29-3	4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND
	12672-29	AROCLOR-1248	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-000	CT-LSS-001A	CT-LSS-001B	CT-LSS-001C	CT-LSS-001D	CT-LSS-002	CT-LSS-004	CT-LSS-005
TRAFFIC REPORT NUMBER :	MBA149	MBA686	MBA687	MBA688	MBA628	MBB222	MBA150	MBA151
DESCRIPTION:	BLANK	B-1 4.5-6'	B-1 7.5-9'	B-1 13.5-15'	B-1 16.5-18'	B-2/SO-19 0-1.5'	B-4 1.5-3'	B-5 1.5-3'

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	ND	16000	16000	18000	8900	11000	11000	14000
3		ARSENIC	ND	ND	ND	7	ND	ND	ND	ND
4		BARIUM	ND	680	810	200	ND	ND	ND	ND
6		CADMIUM	ND	4	4	ND	ND	ND	ND	12
7		CALCIUM	ND	8500	8800	5500	3000	9400	6700	3000
8		CHROMIUM	ND	30	20	20	20	10	10	30
10		COPPER	ND	ND	ND	ND	ND	ND	ND	ND
11		IRON	ND	27000	24000	35000	21000	20000	21000	25000
12		LEAD	ND	5600	6200	1600	120	14	3.3	159
13		MAGNESIUM	ND	[2000]	3000	4000	ND	3000	[2000]	ND
14		MANGANESE	ND	430J	500J	530J	340J	310J	270J	640J
15		MERCURY	ND	2.5	2.1	.58	ND	ND	ND	.45
16		NICKEL	ND	ND	ND	ND	ND	ND	ND	ND
17		POTASSIUM	ND	ND	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	ND	4000	ND	3000	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	ND	60	59	66	30	30	50	56
24		ZINC	ND	160	170	72	30	20	30	210

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-000	CT-LSS-001A	CT-LSS-001B	CT-LSS-001C	CT-LSS-001D	CT-LSS-002	CT-LSS-004	CT-LSS-005
TRAFFIC REPORT NUMBER :	MBA149	MBA686	MBA687	MBA688	MBA628	MBS222	MBA150	MBA151
DESCRIPTION:	BLANK	B-1 4.5-6'	B-1 7.5-9'	B-1 13.5-15'	B-1 16.5-18'	B-2/SO-19 0-1.5'	B-4 1.5-3'	B-5 1.5-3'

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

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New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-006	CT-LSS-007	CT-LSS-008	CT-LSS-009	CT-LSS-009A	CT-LSS-009B	CT-LSS-009C	CT-LSS-009D
TRAFFIC REPORT NUMBER :	SS183	SS184	SS185	SA763	SA496	SA497	SA498	SA499
DESCRIPTION:	S-6/SO-18	S-7	S-8	S-9	S-9	S-9	S-9	S-9
	0-1.5'	7.5-8'	1.5-3'	8.5-10'	14-16.5'	16-17.5'	19-20.5'	22-23.5'

*** VOLATILES ***

PP	CAS NO	COMPOUND								
44V	75-09-2	METHYLENE CHLORIDE	2700BR	3600BR	7.2BR	23BR	ND	16BR	10BR	26BR
	67-64-1	ACETONE	4000BR	5400BR	14BR	19BR	ND	41BR	9.2JBR	14BR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	6.6	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	310JBR	430JBR	ND	6.0R	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	8900BR	13000BR	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	1300	ND	ND	ND	ND	ND	ND	ND
46V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND
97V	79-01-6	TRICHLOROETHENE	5800	ND	ND	5.2JR	210000J	ND	12R	8.7R
85V	127-18-4	TETRACHLOROETHENE	7500	760	ND	ND	840000J	ND	260J	13
86V	108-88-3	TOLUENE	560	ND	4.8JR	ND	24000J	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	4200	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	25000	ND	ND	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
61S	62-75-9	N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
26S	541-73-1	1,3-DICHLOROBENZENE	ND	480	ND	ND	ND	ND	ND	ND
27S	106-46-7	1,4-DICHLOROBENZENE	ND	680	ND	ND	ND	ND	ND	ND
25S	95-50-1	1,2-DICHLOROBENZENE	ND	1700	ND	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	2400	ND	ND	ND	ND	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND
6S	120-82-1	1,2,4-TRICHLOROBENZENE	ND	310J	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-006	CT-LSS-007	CT-LSS-008	CT-LSS-009	CT-LSS-009A	CT-LSS-009B	CT-LSS-009C	CT-LSS-009D
TRAFFIC REPORT NUMBER :			SB183	SB184	SB185	SA783	SA486	SA487	SA488	SA489
DESCRIPTION:			S-6/SO-18	S-7	S-8	S-9	S-9	S-9	S-9	S-9
			0-1.5'	7.5-8'	1.5-3'	8.5-10'	14-16.5'	16-17.5'	19-20.5'	22-23.5'
65B	91-20-3	NAPHTHALENE	310J	ND	ND	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	*ACENAPHTHENE*	ND	ND	ND	ND	ND	ND	ND	ND
	132-64-9	DIBENZOFURAN	ND	ND	ND	ND	ND	ND	ND	ND
80B	86-73-7	FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND
91B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND
66B'	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND
84B	129-00-0	PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	490	1200	190	210J	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	6000	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	72-55-9	4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND
	72-54-8	4,4'-DDD	ND	ND	ND	8.4	ND	ND	ND	ND
	50-29-3	4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	28000	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND
	12672-29	AROCLOR-1248	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-006	CT-LSS-007	CT-LSS-008	CT-LSS-009	CT-LSS-009A	CT-LSS-009B	CT-LSS-009C	CT-LSS-009D
TRAFFIC REPORT NUMBER :	MBA152	MBA153	MBA154	MBA155	MBB202	MBB204	MBB204	MBB205
DESCRIPTION:	B-6/SO-18	B-7	B-8	B-9	B-9	B-9	B-9	B-9
	0-1.5'	7.5-8'	1.5-3'	8.5-10'	14-16.5'	16-17.5'	19-20.5'	22-23.5'

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	17000	32000	14000	17000	13000	12000	9200	12000
3		ARSENIC	ND	30	ND	ND	ND	ND	ND	ND
4		BARIUM	ND	3400	ND	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND
7		CALCIUM	6500	13000	7800	[2000]	[2000]	[2000]	[2000]	3000
8		CHROMIUM	30	30	30	20	30	20	20	20
10		COPPER	ND	ND	ND	ND	ND	ND	ND	ND
11		IRON	33000	26000	25000	29000	28000	24000	22000	25000
12		LEAD	76R	11600	89	121	56	21	31	12
13		MAGNESIUM	4000	5000	3000	[2000]	ND	ND	ND	3000
14		MANGANESE	600J	310J	420J	610J	510	420	430	480
15		MERCURY	ND	3.9	ND	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	ND	ND	ND	ND	ND
17		POTASSIUM	ND	7000	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	97	40	57	64	63	56	50	53
24		ZINC	69	110	40	40	40	30	20	40

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-006	CT-LSS-007	CT-LSS-008	CT-LSS-009	CT-LSS-009A	CT-LSS-009B	CT-LSS-009C	CT-LSS-009D
TRAFFIC REPORT NUMBER :	MBA152	MBA153	MBA154	MBA155	MBB202	MBB204	MBB204	MBB205
DESCRIPTION:	B-6/SO-18	B-7	B-8	B-9	B-9	B-9	B-9	B-9
	0-1.5'	7.5-9'	1.5-3'	8.5-10'	14-16.5'	16-17.5'	19-20.5'	22-23.5'

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-009E	CT-LSS-009F	CT-LSS-010	CT-LSS-010A	CT-LSS-010B	CT-LSS-010C	CT-LSS-010D	CT-LSS-011
TRAFFIC REPORT NUMBER :	SA490	SA491	SA674	SA468	SA492	SA493	SA494	SA496
DESCRIPTION:	S-9	S-9	S-10	S-10	S-10	S-10	S-10	S-11
	25-26.5'	28-28.5'	3-4.5'	5-6.5'	14-15.5'	17-18.5'	20-21.5'	6-7.5'

*** VOLATILES ***

PP	CAS NO	COMPOUND								
44V	75-09-2	METHYLENE CHLORIDE	28BR	17BR	11BR	7.2BR	1200JBR	11000JBR	12BR	8100JBR
	67-64-1	ACETONE	28BR	33BR	26BR	41BR	8000BR	32000JBR	24BR	22000JBR
	75-15-0	CARBON DISULFIDE	ND	ND	3.6J	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	5.2J	ND	ND	ND	ND	9800J
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	1600	ND	ND	ND
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	15000R	ND	ND	17000JR
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	14000	210000	ND	41000J
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	4.8JR	ND	47000	790000	ND	440000J
85V	127-18-4	TETRACHLOROETHENE	6.2	6.1	ND	ND	970J	50000	ND	32000J
86V	108-88-3	TOLUENE	ND	ND	44R	3.9JR	3800	94000	ND	16000J
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	ND	ND	7.7	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	15	3.7J	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
61B	62-75-9	N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	350J	ND	ND	ND
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-009E	CT-LSS-009F	CT-LSS-010	CT-LSS-010A	CT-LSS-010B	CT-LSS-010C	CT-LSS-010D	CT-LSS-011
TRAFFIC REPORT NUMBER :			8A490	8A491	8A674	8B468	8A492	8A493	8A494	8A496
DESCRIPTION:			B-9	B-9	B-10	B-10	B-10	B-10	B-10	B-11
			26-26.5'	28-28.5'	3-4.5'	5-6.5'	14-15.5'	17-18.5'	20-21.5'	6-7.5'
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	190J	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
	132-64-9	DIBENZOFURAN	ND	ND	ND	ND	ND	ND	ND	ND
80B	86-73-7	FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND
91B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND
66B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	280J	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND
84B	129-00-0	PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	270J	260J	680	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	72-55-9	4,4'-DDE	ND	ND	620	ND	ND	ND	ND	ND
	72-54-8	4,4'-DDD	ND	ND	4000	ND	ND	ND	ND	ND
	50-29-3	4,4'-DDT	ND	ND	120	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	280000J	290000	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	1700
	12672-29	AROCLOR-1248	ND	ND	ND	ND	ND	ND	ND	ND

CTC 001 0901

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-009E	CT-LSS-009F	CT-LSS-010	CT-LSS-010A	CT-LSS-010B	CT-LSS-010C	CT-LSS-010D	CT-LSS-011
TRAFFIC REPORT NUMBER :	MBB206	MBB207	MBA883	MBB096	MBB208	MBB209	MBB210	MBB212
DESCRIPTION:	B-9	B-9	B-10	B-10	B-10	B-10	B-10	B-11
	26-26.5'	28-28.5'	3-4.5'	5-6.5'	14-15.5'	17-18.5'	20-21.5'	6-7.5'

*** INORGANICS ***

PP	CAS NO	COMPOUND								
1		ALUMINUM	15000	14000	16000	22000	12000	9500	19000	14000
3		ARSENIC	ND	ND	ND	10	ND	ND	10	ND
4		BARIUM	ND	ND	ND	ND	ND	ND	ND	100
6		CADMIUM	ND	ND	7.2	7	ND	ND	ND	ND
7		CALCIUM	3000	4000	ND	[4000]	[2000]	[2000]	4000	ND
8		CHROMIUM	20	30	30	50	20	20	30	88
10		COPPER	ND	ND	20J	130	ND	ND	ND	30
11		IRON	29000	29000	27000	34000	29000	23000	38000	28000
12		LEAD	13	15	254*	170	8.5	13	11	1100
13		MAGNESIUM	3000	3000	ND	ND	ND	ND	6700	ND.
14		MANGANESE	590	520	460J	700	340	440	770	440
15		MERCURY	ND	ND	.79	.6	ND	ND	ND	ND
16		NICKEL	20	ND	ND	ND	ND	ND	ND	ND
17		POTASSIUM	ND	ND	ND	ND	ND	ND	ND	[1000]
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	ND	ND	ND	ND	ND	ND	4000	ND
22		TIN	ND	ND	ND	50	ND	ND	ND	ND
23		VANADIUM	63	61	60	99	65	60	72	75
24		ZINC	50	40	350	460	30	30	61	69

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-009E	CT-LSS-009F	CT-LSS-010	CT-LSS-010A	CT-LSS-010B	CT-LSS-010C	CT-LSS-010D	CT-LSS-011
TRAFFIC REPORT NUMBER :	MBS206	MBS207	MBA683	MBS096	MBS208	MBS209	MBS210	MBS212
DESCRIPTION:	S-9	S-9	S-10	S-10	S-10	S-10	S-10	S-11
	26-26.5'	28-28.5'	3-4.5'	5-6.5'	14-15.5'	17-18.5'	20-21.5'	6-7.5'

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-011A	CT-LSS-011B	CT-LSS-012	CT-LSS-012A	CT-LSS-012B	CT-LSS-013	CT-LSS-013A	CT-LSS-014
TRAFFIC REPORT NUMBER :	BA497	BA498	BA499	BA500	BA602	BA655	BA656	BA657
DESCRIPTION:	B-11	B-11	B-12	B-12	B-12	B-13	B-13	B-14
	18-19.5'	27-28'	3-4.5'	9-10.5'	13.5-15'	7.5-9'	16.5-18'	12.5-14'

*** VOLATILES ***

PP	CAS NO	COMPOUND								
44V	75-09-2	METHYLENE CHLORIDE	9.9BR	7.4R	9.8BR	11BR	7.2BR	12BR	8.2BR	18000JR
	67-64-1	ACETONE	16BR	9.4JR	14BR	21BR	7.6JBR	22BR	6.6JBR	45000JR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	30000J
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	6.1J	ND	ND	ND	21000J
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	14000J
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	4.0J	ND	ND	ND	ND	ND	240000J
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	3.9JR	19R	2.8JR	ND	ND	3.3JR	ND	700000J
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND	4.1J	ND	100000J
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	31R	ND	74000J
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	18000J
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	67000J

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
61B	62-75-9	N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	410	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	240J	6800
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	480	260J	16000
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	960	410	44000
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	14000
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	14000
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	ND	ND	1100J	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	3400

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-011A	CT-LSS-011B	CT-LSS-012	CT-LSS-012A	CT-LSS-012B	CT-LSS-013	CT-LSS-013A	CT-LSS-014
TRAFFIC REPORT NUMBER :			SA497	SA498	SA499	SA500	SA602	SA655	SA656	SA657
DESCRIPTION:			S-11	S-11	S-12	S-12	S-12	S-13	S-13	S-14
			18-19.5'	27-28'	3-4.5'	9-10.5'	13.5-15'	7.5-9'	16.5-18'	12.5-14'
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND	240J	ND	3100
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND	260J	ND	1800J
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	290J	ND	ND
	132-64-9	DIBENZOFURAN	ND	ND	ND	ND	ND	290J	ND	ND
80B	86-73-7	FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	ND	560	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	380J	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	ND	ND	ND	ND	420	ND	ND
84B	129-00-0	PYRENE	ND	ND	ND	ND	ND	230J	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	220J	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND	ND	1700	330J	9000

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	280J	ND	10000

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	72-55-9	4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND
	72-54-8	4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND
	50-29-3	4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	930	ND	ND	ND	12000	ND	350000
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	3400	ND	ND
	12672-29	AROCLOR-1248	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-011A	CT-LSS-011B	CT-LSS-012	CT-LSS-012A	CT-LSS-012B	CT-LSS-013	CT-LSS-013A	CT-LSS-014
TRAFFIC REPORT NUMBER :	MBB213	MBB214	MBB215	MBB216	MBB217	MBB218	MBB219	MBB220
DESCRIPTION:	B-11	B-11	B-12	B-12	B-12	B-13	B-13	B-14
	18-19.5'	27-28'	3-4.5'	9-10.5'	13.5-15'	7.5-9'	16.5-18'	12.5-14'

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	15000	16000	14000	11000	15000	51000	33000	23000
3		ARSENIC	ND	ND	ND	ND	ND	30	20	ND
4		BARIUM	ND	ND	ND	ND	ND	12000	400	3300
6		CADMIUM	ND	ND	ND	ND	ND	8.4	ND	[3]
7		CALCIUM	[2000]	4000	7700	[2000]	3000	23000	10000	8300
8		CHROMIUM	20	30	20	20	20	60	60	40
10		COPPER	20	20	20	ND	20	440	40	140
11		IRON	28000	29000	26000	19000	26000	29000	35000	14000
12		LEAD	8.6	10	73	11	48	98000	2600	31000
13		MAGNESIUM	ND	3000	3000	ND	[2000]	ND	8100	ND
14		MANGANESE	720	660	410	660	590	4600	640	240
15		MERCURY	ND	ND	ND	ND	ND	12	.23	.3
16		NICKEL	ND	ND	ND	ND	ND	640	ND	ND
17		POTASSIUM	[1000]	ND	ND	ND	ND	22000	ND	6000
19		SILVER	ND	ND	ND	ND	ND	20	ND	ND
20		SODIUM	ND	ND	ND	ND	ND	7000	ND	ND
22		TIN	ND	ND	ND	ND	ND	120	40	60
23		VANADIUM	67	72	68	40	68	ND	98	40
24		ZINC	40	40	40	20	50	2900	69	310

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-011A	CT-LSS-011B	CT-LSS-012	CT-LSS-012A	CT-LSS-012B	CT-LSS-013	CT-LSS-013A	CT-LSS-014
TRAFFIC REPORT NUMBER :	MSS213	MSS214	MSS215	MSS216	MSS217	MSS218	MSS219	MSS220
DESCRIPTION:	B-11	B-11	B-12	B-12	B-12	B-13	B-13	B-14
	18-19.5'	27-28'	3-4.5'	9-10.5'	13.5-15'	7.5-9'	16.5-18'	12.5-14'

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

Notes:
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2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
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6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-015	CT-LSS-015A	CT-LSS-015B	CT-LSS-016	CT-LSS-016A	CT-LSS-017	CT-LSS-019	CT-LSS-100
TRAFFIC REPORT NUMBER :	SS498	SS499	SS500	SS467	SS470	SS471	SS474	SA485
DESCRIPTION:	B-15	B-15	B-15	B-16	B-16	B-17	B-19	BLANK
	8-9.5'	11-12.5'	14-15.5'	9.5-11'	20-21.5'	31-32.5'	30-31.5'	

*** VOLATILES ***

PP	CAS NO	COMPOUND							
44V	75-09-2	METHYLENE CHLORIDE	24JR	5400JBR	21R	16BR	9BB	2.9JBR	22BR	14B
	67-64-1	ACETONE	ND	15000JBR	23R	14BR	27BR	ND	74BR	10B
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	6300J	ND	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	10000J	ND	96J	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	22JR	ND	ND	ND	ND	2.5J	ND	10
14H	78-93-3	2-BUTANONE	ND	13000JR	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	240000J	ND	100J	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	89000J	4.5J	24J	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	44000J	ND	11JR	ND	ND	ND	15
7V	108-90-7	CHLOROBENZENE	ND	ND	9.0J	ND	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	ND	66000J	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	280000J	7.3J	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
61B	62-75-9	N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	4700	280J	ND	ND	ND	ND	ND
25B	95-50-1	1,2-DICHLOROBENZENE	ND	14000	780	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	9700	ND	ND	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	9400	ND	ND	ND	ND	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND
9B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-015	CT-LSS-015A	CT-LSS-015B	CT-LSS-016	CT-LSS-016A	CT-LSS-017	CT-LSS-018	CT-LSS-100
TRAFFIC REPORT NUMBER :			89498	89499	89500	89467	89470	89471	89474	8A495
DESCRIPTION:			8-16	8-16	8-16	8-16	8-16	8-17	8-18	BLANK
			8-9.5'	11-12.5'	14-15.5'	9.5-11'	20-21.5'	31-32.5'	30-31.5'	
65B	91-20-3	NAPHTHALENE	ND	2000J	310J	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	3400	420	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	2800J	450	ND	ND	ND	ND	ND
	132-64-9	DIBENZOFURAN	ND	2800J	420	ND	ND	ND	ND	ND
80B	86-73-7	FLUORENE	ND	3600	540	ND	ND	ND	ND	ND
91B	85-01-8	PHENANTHRENE	ND	8900	1200	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	4800	610	ND	ND	ND	ND	ND
84B	129-00-0	PYRENE	ND	2000J	300J	ND	ND	ND	ND	ND
87B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	230J	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	15000	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	72-55-9	4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND
	72-54-8	4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND
	50-29-3	4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	14000	4600	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	3600	ND	180	ND	ND	ND	ND
	12672-29	AROCLOR-1248	ND	ND	ND	340	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-015	CT-LSS-015A	CT-LSS-015B	CT-LSS-016	CT-LSS-016A	CT-LSS-017	CT-LSS-019	CT-LSS-100
TRAFFIC REPORT NUMBER :	MB8093	MB8094	MB8221	MB8095	MB8098	MB8099	MB8729	MB8201
DESCRIPTION:	B-15	B-15	B-15	B-16	B-16	B-17	B-19	BLANK
	8-9.5'	11-12.5'	14-15.5'	9.5-11'	20-21.5'	31-32.5'	30-31.5'	

*** INORGANICS ***

PP	CAS NO	COMPOUND								
1		ALUMINUM	16000	33000	17000	16000	6400	6000	18000	ND
3		ARSENIC	ND	20	9	ND	ND	ND	ND	ND
4		BARIUM	ND	5700	500	300	ND	ND	ND	ND
6		CADMIUM	ND	7	3	4	ND	ND	ND	ND
7		CALCIUM	9000	7000	8300	8600	6400	4000	14000	ND
8		CHROMIUM	30	40	40	50	30	ND	20	ND
10		COPPER	30	230	30	63	ND	ND	40	ND
11		IRON	26000	12000	24000	26000	17000	9900	31000	ND
12		LEAD	126	64000	3400	1800	ND	ND	69	ND
13		MAGNESIUM	4000	ND	3000	3000	ND	ND	2000	ND
14		MANGANESE	390	170	360	430	200	140	360	ND
15		MERCURY	ND	1.1	ND	3.8	ND	ND	.11	ND
16		NICKEL	ND	ND	ND	ND	ND	ND	ND	ND
17		POTASSIUM	ND	11000	[1000]	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	120	30	ND	ND	ND	ND	ND
23		VANADIUM	68	[40]	71	69	30	[20]	63	ND
24		ZINC	40	430	59	130	ND	ND	30	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :	CT-LSS-015	CT-LSS-015A	CT-LSS-015B	CT-LSS-016	CT-LSS-016A	CT-LSS-017	CT-LSS-018	CT-LSS-100
TRAFFIC REPORT NUMBER :	MBB093	MBB094	MBB221	MBB098	MBB098	MBB099	MBB728	MBB201
DESCRIPTION:	B-15	B-15	B-15	B-16	B-16	B-17	B-18	BLANK
	8-9.5'	11-12.5'	14-15.5'	9.5-11'	20-21.5'	31-32.5'	30-31.5'	

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

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New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-200	CT-LSS-300	CT-LSS-400	CT-LSS-500	CT-LSS-SG
TRAFFIC REPORT NUMBER :			SA495	SS469	SS472	SS475	SA744
DESCRIPTION:			BLANK	BLANK	BLANK	BLANK	SO-23 SURFACE
*** VOLATILES ***							
PP	CAS NO	COMPOUND					
44V	75-09-2	METHYLENE CHLORIDE	44B	9.1B	2.7JB	71B	11BR
	67-64-1	ACETONE	56B	11B	16B	38B	9.8JBR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	ND	ND	ND	6.1J	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND
46V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	4.6J	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	4.6J	3.5J	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND
*** BASE/NEUTRALS ***							
PP	CAS NO	COMPOUND					
61B	62-75-9	N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-200	CT-LSS-300	CT-LSS-400	CT-LSS-500	CT-LSS-BG
TRAFFIC REPORT NUMBER :			BA495	BB469	BB472	BB475	BA744
DESCRIPTION:			BLANK	BLANK	BLANK	BLANK	SO-23 SURFACE
65B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND
	132-64-9	DIBENZOFURAN	ND	ND	ND	ND	ND
60B	86-73-7	FLUORENE	ND	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	ND	ND	ND	ND
84B	129-00-0	PYRENE	ND	ND	ND	ND	ND
87B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND					
	72-55-9	4,4'-DDE	ND	ND	ND	ND	ND
	72-54-8	4,4'-DDD	ND	ND	ND	ND	ND
	50-29-3	4,4'-DDT	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND
	12672-29	AROCLOR-1248	ND	ND	ND	ND	ND

SAMPLE TYPE: LSS

SAMPLE NUMBER :			CT-LSS-200	CT-LSS-300	CT-LSS-400	CT-LSS-500	CT-LSS-SG
TRAFFIC REPORT NUMBER :			MSS211	MSS097	MSS100	MSS729	MSS727
DESCRIPTION:			BLANK	BLANK	BLANK	BLANK	SO-23 SURFACE
*** INORGANICS ***							
PP	CAS NO	COMPOUND					
1		ALUMINUM	ND	ND	ND	ND	13000
3		ARSENIC	ND	ND	ND	ND	ND
4		BARIUM	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	ND
7		CALCIUM	ND	ND	ND	ND	12000
8		CHROMIUM	ND	ND	ND	ND	ND
10		COPPER	ND	ND	ND	ND	20
11		IRON	ND	ND	ND	ND	23000
12		LEAD	ND	ND	ND	ND	ND
13		MAGNESIUM	ND	ND	ND	ND	3000
14		MANGANESE	ND	ND	ND	ND	290
15		MERCURY	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	ND	ND
17		POTASSIUM	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND
20		SODIUM	ND	ND	ND	ND	ND
22		TIN	ND	20	ND	ND	ND
23		VANADIUM	ND	ND	ND	ND	66
24		ZINC	ND	ND	ND	ND	20

SAMPLE TYPE: LSS

SAMPLE NUMBER :		CT-LSS-200	CT-LSS-300	CT-LSS-400	CT-LSS-500	CT-LSS-SG
TRAFFIC REPORT NUMBER :		MSS211	MSS097	MSS100	MSS729	MSS727
DESCRIPTION:		BLANK	BLANK	BLANK	BLANK	SO-23 SURFACE

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

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Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipes

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-000	CT-SS-000A	CT-SS-001	CT-SS-004	CT-SS-005	CT-SS-006	CT-SS-007	CT-SS-008
TRAFFIC REPORT NUMBER :	SA665	SA493	SA658	SA661	SA662	SA663	SA664	SA491
DESCRIPTION:	BLANK	BLANK	MN-3A	MN-3A	MN-4A	MN-4A	MN-4A	MN-4A

*** VOLATILES ***

PP	CAS NO	COMPOUND							
44V	75-09-2	METHYLENE CHLORIDE	58R	71BR	10BR	210BR	6.4BR	16BR	23BR	16BR
	67-64-1	ACETONE	20BR	38BR	22BR	500BR	13R	12JR	11JR	32R
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	160	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	180	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	180	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	26	39	ND	780	ND	ND	ND	3.1JR
14H	78-93-3	2-BUTANONE	15BR	ND	19BR	460BR	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	1000	ND	ND	ND	ND
49V	75-27-4	BROMODICHLOROMETHANE	5J	6.1	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	5000	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	125J	ND	ND	ND	ND
86V	108-88-3	TOLUENE	58R	ND	11BR	130BR	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
66B	84-74-2	DI-N-BUTYL PHTHALATE	330BR	ND	330JR	330BR	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
68B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330BR	ND	330BR	330BR	ND	ND	ND	ND
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	330JR	330JR	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	330BR	ND	330BR/330BR	330BR/330BR	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

CTC 001 0916

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-000	CT-SS-000A	CT-SS-001	CT-SS-004	CT-SS-005	CT-SS-006	CT-SS-007	CT-SS-008
TRAFFIC REPORT NUMBER :	SA665	SA483	SA658	SA661	SA662	SA663	SA664	SA491
DESCRIPTION:	BLANK	BLANK	MN-3A	MN-3A	MN-4A	MN-4A	MN-4A	MN-4A

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-000	CT-SS-000A	CT-SS-001	CT-SS-004	CT-SS-005	CT-SS-006	CT-SS-007	CT-SS-009
TRAFFIC REPORT NUMBER :	MBA811	MBA695	MB0190	MB0690	MB0691	MB0692	MB0693	MBA692
DESCRIPTION:	BLANK	BLANK	MN-3A	MN-3A	MN-4A	MN-4A	MN-4A	MN-4A

*** INORGANICS ***

PP	CAS NO	COMPOUND							
1		ALUMINUM	ND	ND	9452	11677	13000	10000	11000	16000
3		ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4		BARIUM	ND	ND	[32]	[47]	ND	ND	ND	ND
5		BERYLLIUM	ND	ND	[0.4]	[0.6]	ND	ND	ND	ND
7		CALCIUM	ND	ND	3034	4225	5000	4000	5000	5000
8		CHROMIUM	ND	ND	17	28	30	20	20	20
9		COBALT	ND	ND	[11]	[17]	ND	ND	ND	ND
10		COPPER	[1]	ND	26	36	ND	ND	ND	ND
11		IRON	ND	ND	18220	28982	24000	23000	23000	27000
12		LEAD	ND	ND	ND	3.6	6	4	6.8	7.1
13		MAGNESIUM	ND	ND	4918	6796	[2000]	ND	[2000]	4000
14		MANGANESE	ND	ND	373	732	440	420	420	540
15		MERCURY	ND	ND	ND	.3	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	24	ND	ND	ND	ND
17		POTASSIUM	ND	ND	ND	[678]	ND	ND	ND	ND
20		SODIUM	[407]	ND	[590]	[766]	ND	ND	ND	ND
23		VANADIUM	ND	ND	33.5	52.3	50	50	50	50
24		ZINC	[2]	ND	39	49	30	30	30	40

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-000	CT-SS-000A	CT-SS-001	CT-SS-004	CT-SS-005	CT-SS-006	CT-SS-007	CT-SS-008
TRAFFIC REPORT NUMBER :	MBA811	MBA665	MB0190	MB0690	MB0691	MB0692	MB0693	MBA662
DESCRIPTION:	BLANK	BLANK	MW-3A	MW-3A	MW-4A	MW-4A	MW-4A	MW-4A

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

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Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: SS

SAMPLE NUMBER :			CT-SS-009	CT-SS-010	CT-SS-011	CT-SS-012	CT-SS-013
TRAFFIC REPORT NUMBER :			SA480	SA479	SA478	SA477	SA482
DESCRIPTION:			MW-2A	MW-2A	MW-2A	MW-2A	MW-2A

*** VOLATILES ***

PP	CAS NO	COMPOUND					
44V	75-09-2	METHYLENE CHLORIDE	440R	160R	340R	190R	230R
	67-64-1	ACETONE	30R	320R	180R	19R	49R
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND
49V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND					
59B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	220J	330J	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	260BJR	ND
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-009	CT-SS-010	CT-SS-011	CT-SS-012	CT-SS-013
TRAFFIC REPORT NUMBER :	SA480	SA479	SA478	SA477	SA482
DESCRIPTION:	MN-2A	MN-2A	MN-2A	MN-2A	MN-2A

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

SAMPLE TYPE: SS

SAMPLE NUMBER :		CT-SS-009	CT-SS-010	CT-SS-011	CT-SS-012	CT-SS-013
TRAFFIC REPORT NUMBER :		MBA633	MBA632	MBA631	MBA630	MBA664
DESCRIPTION:		MN-2A	MN-2A	MN-2A	MN-2A	MN-2A
*** INORGANICS ***						
PP	CAS NO	COMPOUND				
1		ALUMINUM	34000	31000	28000	12000	12000
3		ARSENIC	30	20	20	ND	ND
4		BARIUM	ND	ND	ND	ND	ND
5		BERYLLIUM	ND	ND	ND	ND	ND
7		CALCIUM	5000	7000	10000	11000	11000
8		CHROMIUM	40	40	30	20	20
9		COBALT	ND	ND	ND	ND	ND
10		COPPER	ND	ND	ND	ND	ND
11		IRON	42000	53000	41000	23000	22000
12		LEAD	21	21	22	7.2	7.2
13		MAGNESIUM	8100	10000	9500	4000	4000
14		MANGANESE	920	920	850	430	410
15		MERCURY	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	ND	ND
17		POTASSIUM	7000	5000	6000	ND	ND
20		SODIUM	ND	ND	ND	ND	ND
23		VANADIUM	50	40	50	40	40
24		ZINC	81	89	81	40	40

SAMPLE TYPE: SS

SAMPLE NUMBER :	CT-SS-009	CT-SS-010	CT-SS-011	CT-SS-012	CT-SS-013
TRAFFIC REPORT NUMBER :	MBA933	MBA932	MBA931	MBA930	MBA894
DESCRIPTION:	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-000	CT-MW-000A	CT-MW-000B	CT-MW-000C	CT-MW-000D	CT-MW-000E	CT-MW-000F	CT-MW-000G
TRAFFIC REPORT NUMBER :	88986	88987	88988	88989	88992	88501	88502	88503
DESCRIPTION:	FLD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK

*** VOLATILES ***

PP	CAS NO	COMPOUND							
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	6BJ	4BJ	10	16	18BR	8BR	8BR	27R
	67-64-1	ACETONE	34	18	47B	ND	71BR	84BR	51BR	92BR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	3BJ	ND	ND	ND	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	1JR
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	5J	ND	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	4JR
88V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-000	CT-MW-000A	CT-MW-000B	CT-MW-000C	CT-MW-000D	CT-MW-000E	CT-MW-000F	CT-MW-000G
TRAFFIC REPORT NUMBER :			88986	88987	88988	88989	88992	88501	88502	88503
DESCRIPTION:			FLD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MN

SAMPLE NUMBER :	CT-MN-000	CT-MN-000A	CT-MN-000B	CT-MN-000C	CT-MN-000D	CT-MN-000E	CT-MN-000F	CT-MN-000G
TRAFFIC REPORT NUMBER :	MBD366	MBD367						
DESCRIPTION:	FLD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
*** INORGANICS ***								
PP CAS NO COMPOUND								
1 ALUMINUM	ND	ND	ND	ND	ND	ND	ND	ND
2 ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3 ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4 BARIUM	ND	ND	ND	ND	ND	ND	ND	ND
5 BERYLLIUM	ND	ND	ND	ND	ND	ND	ND	ND
6 CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND
7 CALCIUM	[182]	176	ND	ND	ND	ND	ND	ND
8 CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND
9 COBALT	ND	ND	ND	ND	ND	ND	ND	ND
10 COPPER	[6.6]	4.6	ND	ND	ND	ND	ND	ND
11 IRON	ND	ND	ND	ND	ND	ND	ND	ND
12 LEAD	ND	ND	ND	ND	ND	ND	ND	ND
13 MAGNESIUM	[11]	[46]	ND	ND	ND	ND	ND	ND
14 MANGANESE	ND	ND	ND	ND	ND	ND	ND	ND
15 MERCURY	.34	ND	ND	ND	ND	ND	ND	ND
16 NICKEL	ND	ND	ND	ND	ND	ND	ND	ND
17 POTASSIUM	ND	[710]	ND	ND	ND	ND	ND	ND
18 SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19 SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20 SODIUM	[662]	[662]	ND	ND	ND	ND	ND	ND
21 THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22 TIN	ND	ND	ND	ND	ND	ND	ND	ND
23 VANADIUM	ND	ND	ND	ND	ND	ND	ND	ND
24 ZINC	[5.7]	[10]	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-000	CT-MW-000A	CT-MW-000B	CT-MW-000C	CT-MW-000D	CT-MW-000E	CT-MW-000F	CT-MW-000G
TRAFFIC REPORT NUMBER :	SB986	MBD367						
DESCRIPTION:	FLD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
*** GEOCHEMICAL PARAMETERS ***								
PP CAS NO COMPOUND								
CYANIDE	ND	ND	ND	ND	ND	ND	ND	ND
SULFATE	1.16	ND	ND	ND	ND	ND	ND	ND
NITRITE/NITRATE	ND	ND	ND	ND	ND	ND	ND	ND
TDS	ND	ND	ND	ND	ND	ND	ND	ND
CARBONATE	ND	ND	ND	ND	ND	ND	ND	ND
BICARBONATE	ND	ND	ND	ND	ND	ND	ND	ND
COD	10.3	ND	ND	ND	ND	ND	ND	ND
TOC	ND	ND	ND	ND	ND	ND	ND	ND
AMMONIA	ND	ND	ND	ND	ND	ND	ND	ND
TKN	ND	ND	ND	ND	ND	ND	ND	ND
CHLORIDE	.4	ND	ND	ND	ND	ND	ND	ND
TOX	12.6	ND	ND	ND	ND	ND	ND	ND
TSS	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
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4. B: contaminant detected in blank.
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Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-000H	CT-MW-001	CT-MW-002	CT-MW-003	CT-MW-004	CT-MW-005	CT-MW-006	CT-MW-007
TRAFFIC REPORT NUMBER :			88965	88962	88963	BC338	BC337	88966	88967	88968
DESCRIPTION:			FLD BLANK	MW-6	MW-6A	MW 9	MW-10	MW-5	MW-5A	MW-8
*** VOLATILES ***										
PP	CAS NO	COMPOUND								
89V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	28JR	38JR	2.2BJR	2.5BJR	48JR	46JR	38JR
	67-64-1	ACETONE	ND	57	P33R	3.5BJR	6.8BJR	43R	22R	ND
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	2J	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	3.1J	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	19	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	ND	ND	ND	7.1BJR	9.2BJR	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	9R	8.3	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	8	77BR	4.1J	ND	19R	ND	ND
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	5R	7.7	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	ND
*** BASE/NEUTRALS ***										
PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-000H	CT-MW-001	CT-MW-002	CT-MW-003	CT-MW-004	CT-MW-005	CT-MW-006	CT-MW-007
TRAFFIC REPORT NUMBER :			88965	88962	88963	8C338	8C337	88966	88967	88968
DESCRIPTION:			FLD BLANK	MW-6	MW-6A	MW 9	MW-10	MW-5	MW-5A	MW-8
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
69B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	1.9JBR	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND	4.8J	ND	ND	ND
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MN

SAMPLE NUMBER :			CT-MN-000H	CT-MN-001	CT-MN-002	CT-MN-003	CT-MN-004	CT-MN-005	CT-MN-006	CT-MN-007
TRAFFIC REPORT NUMBER :			MSD345	MSD342	MSD343	MSS739	MSS738	MSD346	MSD347	MSD349
DESCRIPTION:			FLD BLANK	MN-6	MN-6A	MN 9	MN-10	MN-5	MN-5A	MN-9
*** INORGANICS ***										
PP	CAS NO	COMPOUND								
1		ALUMINUM	ND	ND	ND	ND	ND	ND	ND	ND
2		ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3		ARSENIC	ND	ND	ND	10	ND	ND	ND	ND
4		BARIUM	[2.8]	[1.8]	[9.6]	ND	[5.2]	[3.5]	[25]	[5.5]
5		BERYLLIUM	[1.0]	ND	ND	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND
7		CALCIUM	[70]R	32900	47400	41200	41400	47600	57900	33900
8		CHROMIUM	ND	ND	ND	[3.6]	ND	ND	12	ND
9		COBALT	ND	ND	ND	[5.7]	[4]	ND	ND	ND
10		COPPER	ND	ND	ND	ND	ND	ND	[3.1]	ND
11		IRON	[27]R	[16]R	[68]R	ND	ND	133	121	[46]R
12		LEAD	ND	ND	ND	ND	ND	ND	ND	ND
13		MAGNESIUM	[11]R	11000	18200	9260	5120	14300	21000	13300
14		MANGANESE	ND	38	84	22	22	33	124	36
15		MERCURY	ND	ND	ND	0.20	0.20	ND	ND	ND
16		NICKEL	ND	[12]	[14]	ND	ND	[14]	[30]	[12]
17		POTASSIUM	ND	[645]R	[1040]R	[670]	[764]	[1060]R	[1190]R	[1440]R
18		SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	[303]	11300	9410	12900	24200	17900	15300	9390
21		THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	ND	ND	[3.9]	[3.0]	ND	ND	[3.2]	ND
24		ZINC	[4.0]R	[9.7]R	[13]R	[6.9]	[4.6]	ND	37R	[7.6]R

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-000H	CT-MW-001	CT-MW-002	CT-MW-003	CT-MW-004	CT-MW-005	CT-MW-006	CT-MW-007
TRAFFIC REPORT NUMBER :	MSD345	MSD342	MSD343	MSB739	MSB738	MSD346	MSD347	MSD349
DESCRIPTION:	FLD BLANK	MW-8	MW-8A	MW 9	MW-10	MW-5	MW-5A	MW-9

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND							
		CYANIDE	ND	ND	ND	ND	ND	[7.0]R	ND	ND
		SULFATE	4.0	37.6	37.6	23.7	42.0	40.0	ND	23.8
		NITRITE/NITRATE	ND	/1.68	.05/3.03	/1.97	/1.62	/1.34	/1.14	/.870
		TDS	2	241	247	269	332	432	312	178
		CARBONATE	ND	ND	ND	ND	ND	ND	ND	ND
		BICARBONATE	1	107	190	93.4	107.2	134	176	106
		COD	7.9	7.6	16.4	20.6	31.4	7.6	7.8	2.2
		TOC	ND	ND	2.14	ND	2.69	ND	ND	ND
		AMMONIA	.10	.617	.122	ND	.10	ND	ND	.240
		TKN	ND	.692	.606	.24	.628	.160	.244	.230
		CHLORIDE	ND	12.8	14.6	18.7	15.7	43.3	65.9	37.7
		TOX	37.9	12.4	26.1	20.0	16.1	14.0	10.4	16.9
		TSS	ND	ND	ND	32	670	ND	ND	ND

Notes:
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5. R: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTSR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-008	CT-MW-009	CT-MW-00A	CT-MW-00H	CT-MW-010	CT-MW-011	CT-MW-012	CT-MW-013
TRAFFIC REPORT NUMBER :			88969	88970	MBD367	MBD346	88972	88971	88973	88974
DESCRIPTION:			MW-4	MW-4A	TRIP BLANK	BLANK	MW-2	MW-2A	MW-1	MW-1A
*** VOLATILES ***										
PP	CAS NO	COMPOUND								
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	58JR	29JR	ND	ND	6BR	48JR	28JR	23R
	67-64-1	ACETONE	208JR	27R	ND	ND	77BR	80R	428R	88BR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	7J	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	1J	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	18J	ND	ND	ND	ND	4J	1J	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND	31	2J	ND
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	90J	ND	ND	ND	6R	ND	4JR	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	200BJ	4BR	ND	ND	13	26BR	7	3JR
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	93	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	64	ND	ND	ND	ND	ND	ND
95V	127-18-4	TETRACHLOROETHENE	25J	ND	ND	ND	ND	ND	ND	4JR
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	10	ND	ND	ND	ND	ND	ND
*** BASE/NEUTRALS ***										
PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	20	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-008	CT-MW-009	CT-MW-00A	CT-MW-00H	CT-MW-010	CT-MW-011	CT-MW-012	CT-MW-013
TRAFFIC REPORT NUMBER :			BB969	BB970	MBD367	MBD346	BB972	BB971	BB973	BB974
DESCRIPTION:			MW-4	MW-4A	TRIP BLANK	BLANK	MW-2	MW-2A	MW-1	MW-1A
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	1J
66B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	2JR
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
68B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND	ND	ND	ND	10J
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-008	CT-MW-009	CT-MW-00A	CT-MW-00H	CT-MW-010	CT-MW-011	CT-MW-012	CT-MW-013
TRAFFIC REPORT NUMBER :			MBD349	MBD350	MBD367	MBD345	MBD352	MBD351	MBD353	MBD354
DESCRIPTION:			MW-4	MW-4A	TRIP BLANK	BLANK	MW-2	MW-2A	MW-1	MW-1A
*** INORGANICS ***										
PP	CAS NO	COMPOUND								
1		ALUMINUM	ND	ND	ND	ND	ND	[22]J	ND	ND
2		ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3		ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4		BARIUM	[1.7]	[0.1]	ND	ND	ND	[11]J	[4.0]J	28
5		BERYLLIUM	ND	ND	ND	ND	ND	ND	ND	[1.0]
6		CADMIUM	ND	ND	ND	ND	ND	ND	ND	[4.4]
7		CALCIUM	25900	21000	ND	ND	18500J	34300J	28000J	48700
8		CHROMIUM	ND	32	ND	ND	ND	69J	ND	[3.4]
9		COBALT	ND	ND	ND	ND	ND	ND	ND	ND
10		COPPER	[4.1]	[4.1]	ND	ND	ND	[3.3]J	ND	[4.1]
11		IRON	298	213	ND	ND	[74]J	598J	[67]J	[39]
12		LEAD	ND	ND	ND	ND	ND	ND	13J	ND
13		MAGNESIUM	9790	9090	ND	ND	[1460]J	10500J	[1730]J	18100
14		MANGANESE	19	20	ND	ND	[0.4]J	73J	[0.6]J	194
15		MERCURY	ND	ND	ND	ND	ND	.5J	ND	ND
16		NICKEL	ND	[14]	ND	ND	ND	[34]J	ND	[35]
17		POTASSIUM	[764]R	[1000]R	ND	ND	ND	[604]JR	ND	7190
18		SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	12JR	ND	ND	ND
20		SODIUM	8480R	9090	ND	ND	11700J	11300J	20500J	19100
21		THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	[2.7]	[1.1]	ND	ND	[4.7]J	[6.1]J	[1.5]J	[5.9]
24		ZINC	22R	95R	ND	ND	[9.1]J	79J	[7.6]J	64

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-008	CT-MW-009	CT-MW-00A	CT-MW-00H	CT-MW-010	CT-MW-011	CT-MW-012	CT-MW-013
TRAFFIC REPORT NUMBER :	MBD349	MBD350	MBD367	MBD345	MBD352	MBD351	MBD353	MBD354
DESCRIPTION:	MW-4	MW-4A	TRIP BLANK	BLANK	MW-2	MW-2A	MW-1	MW-1A

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND								
		CYANIDE	ND	ND	ND	ND	ND	ND	ND	ND
		SULFATE	9.49	31.1	ND	ND	30.2	27.9	40.5	42.8
		NITRITE/NITRATE	/.498	/.466	ND	ND	/.08	/1.32	ND	ND
		TDS	134	113	ND	ND	148	263	234	308
		CARBONATE	ND	ND	ND	ND	3	ND	ND	ND
		BICARBONATE	112	92	ND	ND	66	88	78	241
		COD	3.4	2.6	ND	ND	6.16	10.3	11.3	12.6
		TOC	ND	ND	ND	ND	ND	3.62	2.03	2.24
		AMMONIA	.156	.128	ND	ND	.06	.07	.16	.12
		TKN	.174	.202	ND	ND	ND	ND	.22	.462
		CHLORIDE	9.0	5.6	ND	ND	9.7	33.8	21.3	14.6
		TOX	227	277	ND	ND	180	69.5	42.4	ND
		TSS	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1. ND: *not detected.*
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: *not analyzed.*

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CT8R were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and *riser pipe*

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-014	CT-MW-014A	CT-MW-015	CT-MW-016	CT-MW-017	CT-MW-018	CT-MW-018A	CT-MW-019
TRAFFIC REPORT NUMBER :			89975	89505	89976	89977	89978	89979	89984	89980
DESCRIPTION:			MW-3	DUP MW-3	MW-3A	P-1	P-1A	P-2	DUP P-2	P-2A
*** VOLATILES ***										
PP	CAS NO	COMPOUND								
89V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	4BJR	6000J	ND	ND	ND	ND	ND
	67-64-1	ACETONE	140BR	66BR	32000BJ	ND	ND	ND	ND	ND
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	180	ND	200	180	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	40J	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	6500J	200	ND	320	260	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	1600	1.9J	1400	1200	5
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	6000J	520	ND	680	500	1R
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	20000J	2900	7	3600	3500	13
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND
95V	127-18-4	TETRACHLOROETHENE	ND	ND	3000J	246	1J	60J	60J	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	ND
*** BASE/NEUTRALS ***										
PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-014	CT-MW-014A	CT-MW-015	CT-MW-016	CT-MW-017	CT-MW-018	CT-MW-018A	CT-MW-019
TRAFFIC REPORT NUMBER :			SS975	SS505	SS976	SS977	SS978	SS979	SS984	SS980
DESCRIPTION:			MW-3	DUP MW-3	MW-3A	P-1	P-1A	P-2	DUP P-2	P-2A
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	2J	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	2J	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
69B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	6J	ND	ND	6JBR	6JBR	ND
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	8J	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
66A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-014	CT-MW-014A	CT-MW-015	CT-MW-016	CT-MW-017	CT-MW-018	CT-MW-018A	CT-MW-019
TRAFFIC REPORT NUMBER :	MBD355	MBD370	MBD356	MBD357	MBD358	MBD359	MBD364	
DESCRIPTION:	MW-3	DUP MW-3	MW-3A	P-1	P-1A	P-2	DUP P-2	P-2A
*** INORGANICS ***								
PP CAS NO COMPOUND								
1 ALUMINUM	[56]J	[42]J	[102]J	[26]	ND	ND	[34]	NA
2 ANTIMONY	ND	ND	ND	ND	ND	ND	ND	NA
3 ARSENIC	ND	ND	ND	ND	ND	ND	ND	NA
4 BARIUM	[4.2]J	[5.0]J	[26]J	[20]	[24]	[15]	[13]	NA
5 BERYLLIUM	ND	ND	ND	ND	ND	[1.0]	ND	NA
6 CADMIUM	ND	ND	ND	ND	ND	[4.1]	ND	NA
7 CALCIUM	13300J	12900J	135000J	66300	51200	57200	55200	NA
8 CHROMIUM	ND	ND	[3.6]J	ND	ND	[6.6]	ND	NA
9 COBALT	ND	ND	[6.2]J	ND	ND	ND	ND	NA
10 COPPER	ND	ND	ND	[5.9]	[5.5]	[5.9]	ND	NA
11 IRON	218JR	512JR	7590J	[38]R	123	[33]R	[53]R	NA
12 LEAD	ND	ND	ND	ND	ND	ND	ND	NA
13 MAGNESIUM	[2660]J	[2550]J	69600J	13400	16900	16900	16500	NA
14 MANGANESE	[4.2]J	[5.5]J	10200J	16	396	[8.0]	[7.9]	NA
15 MERCURY	ND	ND	ND	ND	ND	ND	ND	NA
16 NICKEL	ND	ND	61J	ND	[19]	[24]	[18]	NA
17 POTASSIUM	ND	ND	[1350]JR	[1370]	[2390]	[978]	ND	NA
18 SELENIUM	ND	ND	ND	ND	ND	ND	ND	NA
19 SILVER	ND	ND	ND	ND	ND	ND	ND	NA
20 SODIUM	55100J	55600J	22400J	21500	34200	16300	16100	NA
21 THALLIUM	ND	ND	ND	ND	ND	ND	ND	NA
22 TIN	ND	ND	ND	ND	ND	ND	ND	NA
23 VANADIUM	[17]J	[16]J	[3.5]J	[7.5]	ND	[11]	[7.3]	NA
24 ZINC	[14]	[20]J	38J	26	27	[12]	[12]R	NA

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-014	CT-MW-014A	CT-MW-015	CT-MW-016	CT-MW-017	CT-MW-018	CT-MW-018A	CT-MW-019
TRAFFIC REPORT NUMBER :	MBD355	MBD370	MBD356	MBD357	MBD358	MBD359	MBD364	
DESCRIPTION:	MW-3	DUP MW-3	MW-3A	P-1	P-1A	P-2	DUP P-2	P-2A
*** GEOCHEMICAL PARAMETERS ***								
PP CAS NO COMPOUND								
CYANIDE	ND	ND	ND	ND	ND	ND	ND	ND
SULFATE	44.4	47.6	128	2.8	45.7	52.1	52.9	ND
NITRITE/NITRATE	.12/1.58	.09/1.58	.14/.09	ND	ND	ND	ND	ND
TDS	260	255	902	242	308	234	234	ND
CARBONATE	2	ND	ND	ND	ND	ND	ND	ND
BICARBONATE	88	92	667	228	241	198	198	ND
COD	10.3	14.4	68.8	18.0	17.5	41.1	8.1	ND
TOC	2.75	2.88	19.6	2.02	3.13	ND	ND	ND
AMMONIA	ND	.03	.51	.30	.32	.14	.25	ND
TKN	.27	.438	1.38	.36	.76	.32	.20	ND
CHLORIDE	34.4	35.1	47.2	51.5	30.5	36.9	36.7	ND
TOX	38.5R	17.9	14460	2258	193	2090	2361	ND
TSS	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-020	CT-MW-021	CT-MW-022	CT-MW-024	CT-MW-024A	CT-MW-025	CT-MW-026	CT-MW-100
TRAFFIC REPORT NUMBER :			88961	88962	88963	88965	88964	88990	88991	8C661
DESCRIPTION:			CT-BR	CT MW-1	CT MW-2	GH-1	DUP GH-1	GH-2	GH-3	BLANK
*** VOLATILES ***										
PP	CAS NO	COMPOUND								
89V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	4900J	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	600JR	ND	ND	11BR	14BR	13000J	1400J	ND
	67-64-1	ACETONE	2500BJR	19BR	ND	74BR	33BR	110000BJ	11000BJ	79BR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	600J	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	170J	ND	ND	ND	300J	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	7	220J	ND	ND	3000J	2600J	ND
23V	67-66-3	CHLOROFORM	2000J	ND	ND	ND	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	10JBR
11V	71-55-6	1,1,1-TRICHLOROETHANE	3500J	44	ND	3JR	4JR	6000J	2300J	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	190000BJ	290	78J	13	14	13000J	6300J	ND
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	5J	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	4JR	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	1000J	78	ND	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	ND
*** BASE/NEUTRALS ***										
PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-020	CT-MW-021	CT-MW-022	CT-MW-024	CT-MW-024A	CT-MW-026	CT-MW-028	CT-MW-100
TRAFFIC REPORT NUMBER :			SB991	SB992	SB993	SB995	SB994	SB990	SB991	SC661
DESCRIPTION:			CT-SR	CT MW-1	CT MW-2	GH-1	DUP GH-1	GH-2	GH-3	BLANK
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	1J	1J	ND	ND	ND	ND	ND	ND
66B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	10JBR
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
68B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	6J	6JR	6J	ND	ND	ND	ND	10JBR
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MN

SAMPLE NUMBER :			CT-MN-020	CT-MN-021	CT-MN-022	CT-MN-024	CT-MN-024A	CT-MN-025	CT-MN-026	CT-MN-100
TRAFFIC REPORT NUMBER :			MBD361	MBD362	MBD363	MBD365	MBD344	MBD368	MBD369	MBD920
DESCRIPTION:			CT-SR	CT MN-1	CT MN-2	GH-1	DUP GH-1	GH-2	GH-3	
*** INORGANICS ***										
PP	CAS NO	COMPOUND								
1		ALUMINUM	ND	ND	[29]	ND	ND	[53]J	[23]J	ND
2		ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3		ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4		BARIUM	[4.1]	[6.9]	[103]	[9.9]J	[11]J	[50]J	[29]J	ND
5		BERYLLIUM	ND	ND	ND	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	6.8	ND	[4.1]J	[4.1]J	ND	ND
7		CALCIUM	39000	31100	97600	67600J	69100J	81200J	64900J	ND
8		CHROMIUM	[3.1]	132	ND	ND	ND	ND	ND	ND
9		COBALT	ND	ND	[4.4]	ND	ND	ND	ND	ND
10		COPPER	ND	ND	ND	ND	ND	ND	ND	ND
11		IRON	[24]	[9.0]	10100	[26]J	[29]J	103J	3290J	ND
12		LEAD	ND	ND	ND	ND	ND	ND	ND	ND
13		MAGNESIUM	9790	11300	36400	19300J	18700J	29400J	26800J	ND
14		MANGANESE	38	ND	3900	36J	46J	9260J	3100J	ND
15		MERCURY	ND	ND	ND	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	41	ND	[22]J	[26]J	[26]J	ND
17		POTASSIUM	[829]	[1460]	[816]	[899]J	[749]J	[3870]J	[3860]J	ND
18		SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	11100	8310	61300	13100J	13600J	39300J	24300J	ND
21		THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	[4.9]	[6.8]	[3.0]	[12]J	[11]J	[4.3]J	[2.5]J	ND
24		ZINC	[12]	[12]	432	[4.9]J	[4.4]J	[18]J	26J	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-020	CT-MW-021	CT-MW-022	CT-MW-024	CT-MW-024A	CT-MW-025	CT-MW-026	CT-MW-100
TRAFFIC REPORT NUMBER :	MBD361	MBD362	MBD363	MBD365	MBD344	MBD368	MBD369	MBD920
DESCRIPTION:	CT-BR	CT MW-1	CT MW-2	GH-1	DUP GH-1	GH-2	GH-3	BLANK

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND							
		CYANIDE	ND	ND	ND	ND	ND	ND	ND	ND
		SULFATE	34.9	19.7	70.5	56.3	63.4	143	69	ND
		NITRITE/NITRATE	/.215	/.790	ND	/2.15	/2.13	ND	ND	ND
		TDS	247	212	926	409	392	617	444	18.
		CARBONATE	ND	ND	ND	ND	ND	ND	ND	ND
		BICARBONATE	111	149	465	177	184	344	282	17.
		COD	7.5	5.9	69.5	5.13R	17.2R	26.8	30.9	18.
		TOC	ND	ND	26.4	ND	ND	7.69	3.99	ND
		AMMONIA	.37	.18	.91	.09R	.17R	7.40	8.80	ND
		TKN	.494	.202	1.89	.26	.411R	8.27	6.16	ND
		CHLORIDE	30	8.1	81.8	46.2	44.4	48.8	54.7	ND
		TOX	4810	80.1	688	38.1	58.2	6025	786	6.
		TSS	ND	ND	ND	ND	ND	ND	ND	4.

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-100A	CT-MW-100B	CT-MW-100C	CT-MW-100D	CT-MW-100E	CT-MW-100G	CT-MW-100H	CT-MW-101
TRAFFIC REPORT NUMBER :	SC662	SC663	SC664	SC665	SC666	SC668	SC669	SC633
DESCRIPTION:	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	MW-6

*** VOLATILES ***

PP	CAS NO	COMPOUND							
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
18V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	ND	ND	ND	ND	3.8BJR	2.2BJR	29R
	67-64-1	ACETONE	10JBR	ND	41BR	ND	18BR	18	13	ND
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	16BR	16BR	8BR	10JBR	10JBR	7.5BJR	7.2BJR	86BR
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	5J
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND
95V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	6
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	5J

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND							
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-100A	CT-MW-100B	CT-MW-100C	CT-MW-100D	CT-MW-100E	CT-MW-100G	CT-MW-100H	CT-MW-101
TRAFFIC REPORT NUMBER :			BC662	BC663	BC664	BC665	BC666	BC668	BC669	BC633
DESCRIPTION:			BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	MW-6
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	12BR
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND	ND	ND	ND	10JBR
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	10J

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-100A	CT-MW-100B	CT-MW-100C	CT-MW-100D	CT-MW-100E	CT-MW-100G	CT-MW-100H	CT-MW-101
TRAFFIC REPORT NUMBER :								MSD892
DESCRIPTION:								

*** INORGANICS ***

PP	CAS NO	COMPOUND								
1		ALUMINUM	ND	ND	ND	ND	ND	ND	ND	ND
2		ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3		ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4		BARIUM	ND	ND	ND	ND	ND	ND	ND	ND
5		BERYLLIUM	ND	ND	ND	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND
7		CALCIUM	ND	ND	ND	ND	ND	ND	ND	18000
8		CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND
9		COBALT	ND	ND	ND	ND	ND	ND	ND	ND
10		COPPER	ND	ND	ND	ND	ND	ND	ND	ND
11		IRON	ND	ND	ND	ND	ND	ND	ND	ND
12		LEAD	ND	ND	ND	ND	ND	ND	ND	ND
13		MAGNESIUM	ND	ND	ND	ND	ND	ND	ND	6000
14		MANGANESE	ND	ND	ND	ND	ND	ND	ND	70
15		MERCURY	ND	ND	ND	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	ND	ND	ND	ND	ND
17		POTASSIUM	ND	ND	ND	ND	ND	ND	ND	ND
18		SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	ND	ND	ND	ND	ND	ND	ND	8000
21		THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	ND	ND	ND	ND	ND	ND	ND	ND
24		ZINC	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-100A	CT-MW-100B	CT-MW-100C	CT-MW-100D	CT-MW-100E	CT-MW-100G	CT-MW-100H	CT-MW-101
TRAFFIC REPORT NUMBER :								MS0692
DESCRIPTION:	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	MW-6
*** GEOCHEMICAL PARAMETERS ***								
PP CAS NO COMPOUND								
CYANIDE	ND	ND	ND	ND	ND	ND	ND	ND
SULFATE	ND	ND	ND	ND	ND	ND	ND	48.
NITRITE/NITRATE	ND	ND	ND	ND	ND	ND	ND	ND
TDS	ND	ND	ND	ND	ND	ND	ND	148.
CARBONATE	ND	ND	ND	ND	ND	ND	ND	2.
BICARBONATE	ND	ND	ND	ND	ND	ND	ND	61.
COD	ND	ND	ND	ND	ND	ND	ND	28.
TOC	ND	ND	ND	ND	ND	ND	ND	2.
AMMONIA	ND	ND	ND	ND	ND	ND	ND	1.6
TKN	ND	ND	ND	ND	ND	ND	ND	3.
CHLORIDE	ND	ND	ND	ND	ND	ND	ND	12.
TOX	ND	ND	ND	ND	ND	ND	ND	18.
TSS	ND	ND	ND	ND	ND	ND	ND	66.

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-102	CT-MW-103	CT-MW-103A	CT-MW-104	CT-MW-105	CT-MW-106	CT-MW-107	CT-MW-107A
TRAFFIC REPORT NUMBER :	BC634	BC635	BC659	BC636	BC637	BC638	BC639	BC660
DESCRIPTION:	MW-6A	MW-9	DUP MW-9	MW-10	MW-5	MW-5A	MW-8	DUP MW-8

*** VOLATILES ***

PP	CAS NO	COMPOUND							
86V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	5JR	ND	ND	ND	ND	2.3BJR	2.2BJR
	67-64-1	ACETONE	ND	10JBR	ND	ND	ND	ND	1.4BJR	ND
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	5J	5J	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	7	8	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	31	ND	ND	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND
14H	78-93-3	2-BUTANONE	10JBR	14BR	10JBR	10JBR	10JBR	10JBR	5.9BJ	7.7BJR
11V	71-55-6	1,1,1-TRICHLOROETHANE	17	20	24	ND	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	5J	5J	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	200	7	5	ND	ND	ND	ND	ND
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	8	11	13	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-102	CT-MW-103	CT-MW-103A	CT-MW-104	CT-MW-105	CT-MW-106	CT-MW-107	CT-MW-107A
TRAFFIC REPORT NUMBER :			BC634	BC635	BC659	BC636	BC637	BC638	BC639	BC660
DESCRIPTION:			MW-6A	MW-9	DUP MW-9	MW-10	MW-5	MW-5A	MW-8	DUP MW-8
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	10JBR	ND	ND	10JBR	10JBR	10JBR	ND	66BR
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	2.3JBR
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10JBR	10JBR	27BR	10JBR	10JBR	10JBR	3.0J	17
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	10J	ND	ND	10J	10J	10J	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	0.01	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	0.01J	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-102	CT-MW-103	CT-MW-103A	CT-MW-104	CT-MW-105	CT-MW-106	CT-MW-107	CT-MW-107A
TRAFFIC REPORT NUMBER :			MBD893	MBD894	MBD918	MBD895	MBD896	MBD897	MBD898	MBD919
DESCRIPTION:										
*** INORGANICS ***										
PP	CAS NO	COMPOUND								
1		ALUMINUM	ND	ND	ND	ND	ND	ND	ND	ND
2		ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3		ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4		BARIUM	ND	ND	ND	ND	ND	ND	ND	ND
5		BERYLLIUM	ND	ND	ND	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND
7		CALCIUM	46000	39000	38000	39000	47000	6000	34000	33000
8		CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND
9		COBALT	ND	ND	ND	ND	ND	ND	ND	ND
10		COPPER	ND	ND	ND	ND	ND	ND	ND	ND
11		IRON	ND	ND	ND	ND	620*	430*	ND	ND
12		LEAD	ND	ND	ND	ND	ND	ND	ND	ND
13		MAGNESIUM	15000	6000	6000	ND	10000	19000	11000	11000
14		MANGANESE	50	ND	ND	20	20	100	180	170
15		MERCURY	ND	ND	ND	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	ND	ND	ND	ND	ND
17		POTASSIUM	ND	ND	ND	ND	[2000]	ND	ND	ND
18		SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	6000	9000	10000	18000	13000	14000	6000	7000
21		THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	ND	ND	ND	ND	ND	ND	ND	ND
24		ZINC	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-102	CT-MW-103	CT-MW-103A	CT-MW-104	CT-MW-105	CT-MW-106	CT-MW-107	CT-MW-107A
TRAFFIC REPORT NUMBER :	MSD893	MSD894	MSD918	MSD895	MSD896	MSD897	MSD898	MSD919
DESCRIPTION:	MW-6A	MW-9	DUP MW-9	MW-10	MW-5	MW-5A	MW-8	DUP MW-8

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND								
		CYANIDE	ND	ND	ND	ND	ND	ND	ND	ND
		SULFATE	38.	40.	52.	48.	46.	40.	20.	26.
		NITRITE/NITRATE	3.5/	1.6/	1.5/	1.3/	1.2/	1.5/	.6/	.5/
		TDS	318.	270.	256.	262.	314.	420.	270.	230.
		CARBONATE	1.	1.	1.	1.	ND	ND	ND	ND
		BICARBONATE	147.	116.	113.	87.	110.	126.	79.	68.
		COD	44.	ND	43.	17.	22.	17.	ND	19.
		TOC	1.	ND	ND	ND	ND	ND	ND	ND
		AMMONIA	ND	ND	1.	ND	ND	ND	ND	.1
		TKN	ND	ND	1.	ND	ND	ND	ND	ND
		CHLORIDE	13.	20.	21.	15.	43.	67.	28.	28.
		TOX	59.	31.	44.	13.	19.	13.	ND	5.
		TSS	98.	2.	18.	208.	42.	8.	68.	66.

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. DM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-108	CT-MW-109	CT-MW-110	CT-MW-111	CT-MW-112	CT-MW-113	CT-MW-114	CT-MW-115
TRAFFIC REPORT NUMBER :			BC640	BC641	BC642	BC643	BC644	BC645	BC646	BC647
DESCRIPTION:			MW-4	MW-4A	MW-2	MW-2A	MW-1	MW-1A	MW-3	MW-3A
*** VOLATILES ***										
PP	CAS NO	COMPOUND								
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	1200
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	130	2000	21R	5JR	3.5BJR	3.2BJR	ND	650BR
	67-64-1	ACETONE	ND	ND	ND	ND	2.1BJR	9.2BJR	ND	ND
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	50J	250J	27	5J	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	110	250J	39	ND	ND	ND	ND	1100
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	200	480	60	5J	ND	ND	ND	12000
23V	67-66-3	CHLOROFORM	170	680	160	43	2.5J	2.3J	ND	4400
14H	78-93-3	2-BUTANONE	440BR	760BR	10JR	10BR	5.3BJR	5.7BJR	10JBR	400BJR
11V	71-55-6	1,1,1-TRICHLOROETHANE	540	2100	64	21	6.8	5.4	ND	9600
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	2300	5100	760	ND	19	15	ND	19000
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	110	200	16	37	ND	ND	ND	700
86V	108-88-3	TOLUENE	50J	ND	ND	ND	ND	ND	ND	85J
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	3.6B	2.5	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	ND
*** BASE/NEUTRALS ***										
PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	19
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-108	CT-MW-109	CT-MW-110	CT-MW-111	CT-MW-112	CT-MW-113	CT-MW-114	CT-MW-115
TRAFFIC REPORT NUMBER :			BC640	BC641	BC642	BC643	BC644	BC645	BC646	BC647
DESCRIPTION:			MW-4	MW-4A	MW-2	MW-2A	MW-1	MW-1A	MW-3	MW-3A
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	15
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
69B	84-74-2	DI-N-BUTYL PHTHALATE	ND	10JR	ND	10JR	3.1JBR	2.1JBR	10JR	1.9JBR
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10JBR	10JBR	10JBR	10JBR	1.4J	1.9J	10JBR	1.4J
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	3.3J/3.3J
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	2.7J
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	3.1J

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	ND	10J	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	40
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	4.5

SAMPLE TYPE: MW

SAMPLE NUMBER :		CT-MW-108	CT-MW-109	CT-MW-110	CT-MW-111	CT-MW-112	CT-MW-113	CT-MW-114	CT-MW-115
TRAFFIC REPORT NUMBER :		MBD899	MBD900	MBD901	MBD902	MBD903	MBD904	MBD905	MBD906
DESCRIPTION:									
*** INORGANICS ***									
PP	CAS NO	COMPOUND							
1		ALUMINUM	ND	ND	ND	ND	ND	ND	ND	900
2		ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3		ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4		BARIUM	ND	ND	ND	ND	ND	ND	ND	ND
5		BERYLLIUM	ND	ND	ND	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND
7		CALCIUM	27000	29000	18000	36000	24000	61000	33000	143000
8		CHROMIUM	ND	ND	ND	30	ND	ND	ND	ND
9		COBALT	ND	ND	ND	ND	ND	ND	ND	ND
10		COPPER	ND	ND	ND	ND	ND	ND	ND	[20]
11		IRON	630*	ND	490*	420*	ND	ND	ND	2770
12		LEAD	ND	ND	ND	ND	ND	ND	ND	ND
13		MAGNESIUM	6000	6000	ND	7000	ND	14000	[4000]	61000
14		MANGANESE	30	ND	ND	60	ND	160	ND	10220
15		MERCURY	ND	ND	ND	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	ND	ND	ND	ND	60
17		POTASSIUM	ND	ND	ND	[3000]	ND	ND	ND	ND
18		SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20		SODIUM	ND	6000	6000	11000	18000	18000	18000	20000
21		THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND	ND	ND	ND
23		VANADIUM	ND	ND	ND	ND	ND	ND	ND	ND
24		ZINC	ND	ND	ND	ND	ND	ND	ND	70

MPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-108	CT-MW-109	CT-MW-110	CT-MW-111	CT-MW-112	CT-MW-113	CT-MW-114	CT-MW-115
TRAFFIC REPORT NUMBER :			MBD899	MBD900	MBD901	MBD902	MBD903	MBD904	MBD905	MBD906
DESCRIPTION:			MW-4	MW-4A	MW-2	MW-2A	MW-1	MW-1A	MW-3	MW-3A
*** GEOCHEMICAL PARAMETERS ***										
PP	CAS NO	COMPOUND								
		CYANIDE	ND	ND	ND	ND	ND	ND	ND	ND
		SULFATE	16.	23.	23.	23.	35.	28.	43.	107.
		NITRITE/NITRATE	.2/	.6/	ND	1.5/	ND	ND	1.5/	ND
		TDS	202.	226.	146.	294.	166.	292.	276.	956.
		CARBONATE	ND	ND	1.	ND	1.	1.	ND	ND
		BICARBONATE	87.	93.	35.	76.	53.	180.	69.	518.
		COD	17.	33.	16.	21.	12.	18.	49.	66.
		TOC	2.	3.	ND	1.	1.	2.	ND	12.
		AMMONIA	ND	ND	ND	ND	ND	ND	ND	.3
		TKN	ND	ND	ND	ND	ND	ND	ND	ND
		CHLORIDE	13.	19.	9.	44.	20.	15.	37.	55.
		TOX	1230.	2340.	255.	78.	30.	14.	17.	17200.
		TSS	10.	72.	72.	10.	26.	16.	6.	469.

Notes:
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4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
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8. NA: not analyzed.

Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-116	CT-MW-117	CT-MW-118	CT-MW-119	CT-MW-120	CT-MW-121	CT-MW-122	CT-MW-124
TRAFFIC REPORT NUMBER :	BC848	BC849	BC850	BC851	BC852	BC853	BC854	BC856
DESCRIPTION:	P-1	P-1A	P-2	P-2A	CT-MW	CTMW-1	CTMW-2	GW-1

*** VOLATILES ***

PP	CAS NO	COMPOUND								
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	110	ND
18V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND	110	ND
44V	75-09-2	METHYLENE CHLORIDE	250J	ND	1000	6.NR	250J	ND	7.9BR	ND
	67-64-1	ACETONE	500JBR	ND	500JBR	ND	ND	ND	8.0JR	ND
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	250J	ND	250J	ND	500	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	250J	ND	ND	ND	250J	ND	220	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	200	ND	400	ND	250J	11	450	ND
23V	67-66-3	CHLOROFORM	1500	ND	1400	ND	2500	17	40	ND
14H	78-93-3	2-BUTANONE	820NR	10JBR	1400BR	10JBR	700BR	ND	5.18JR	14BR
11V	71-55-6	1,1,1-TRICHLOROETHANE	1100	ND	1200	ND	5600	ND	3.6J	6J
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	4600	10J	7200	9	36000	160	140	22
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	14	18J	ND
	519-78-0	2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	250J	ND	2900	24	3.14	ND
86V	108-88-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND	35	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND								
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-116	CT-MW-117	CT-MW-118	CT-MW-119	CT-MW-120	CT-MW-121	CT-MW-122	CT-MW-124
TRAFFIC REPORT NUMBER :			BC648	BC649	BC650	BC651	BC652	BC653	BC654	BC656
DESCRIPTION:			P-1	P-1A	P-2	P-2A	CT-SR	CTMW-1	CTMW-2	GH-1
25B	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	10JR	10JBR	ND	20JBR	10JBR	1.9JBR	ND	10JBR
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10JBR	10JBR	10JBR	20JBR	10JBR	1200	1700	10JBR
69B	117-84-0	DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND								
65A	108-95-2	PHENOL	ND	ND	10J	ND	10J	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND								
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-116	CT-MW-117	CT-MW-118	CT-MW-119	CT-MW-120	CT-MW-121	CT-MW-122	CT-MW-124
TRAFFIC REPORT NUMBER :	MB0907	MB0908	MB0909	MB0910	MB0911	MB0912	MB0913	MB0915
DESCRIPTION:				P-2A				
*** INORGANICS ***								
PP CAS NO COMPOUND								
1 ALUMINUM	ND	ND	ND	300	ND	ND	ND	ND
2 ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND
3 ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND
4 BARIUM	ND	ND	ND	ND	ND	ND	[110]	ND
5 BERYLLIUM	ND	ND	ND	ND	ND	ND	ND	ND
6 CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND
7 CALCIUM	68000	53000	68000	35000	48000	37000	93000	63000
8 CHROMIUM	40	50	40	ND	ND	100	ND	ND
9 COBALT	ND	ND	ND	ND	ND	ND	ND	ND
10 COPPER	ND	ND	ND	ND	ND	ND	ND	ND
11 IRON	3700	6300	2400	ND	ND	ND	5000	ND
12 LEAD	ND	ND	ND	ND	ND	ND	ND	ND
13 MAGNESIUM	9000	15000	19000	6000	30	9000	37000	19000
14 MANGANESE	ND	190	80	40	ND	20	3640	20
15 MERCURY	ND	ND	ND	ND	ND	ND	ND	ND
16 NICKEL	ND	ND	ND	ND	ND	ND	ND	ND
17 POTASSIUM	17000	[4800]	ND	ND	ND	ND	ND	ND
18 SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND
19 SILVER	ND	ND	ND	ND	ND	ND	ND	ND
20 SODIUM	19000	38000	19000	16000	ND	8000	61000	10000
21 THALLIUM	ND	ND	ND	ND	ND	ND	ND	ND
22 TIN	ND	ND	ND	ND	ND	ND	ND	ND
23 VANADIUM	ND	ND	ND	ND	ND	ND	ND	ND
24 ZINC	ND	ND	ND	ND	ND	ND	560	ND

CTC 001 0958

SAMPLE TYPE, GW

SAMPLE NUMBER :	CT-MW-116	CT-MW-117	CT-MW-118	CT-MW-119	CT-MW-120	CT-MW-121	CT-MW-122	CT-MW-124
TRAFFIC REPORT NUMBER :	MBD907	MBD908	MBD909	MBD910	MBD911	MBD912	MBD913	MBD916
DESCRIPTION.	P-1	P-1A	P-2	P-2A	CT-8A	CTMW-1	CTMW-2	GH-1
*** GEOCHEMICAL PARAMETERS ***								
PP CAS NO COMPOUND								
CYANIDE	ND	ND	ND	NA	ND	ND	ND	ND
SULFATE	60.	40.	93.	NA	93.	18.	73.	65.
NITRITE/NITRATE	.6/	1.6/	.4/	NA	ND	.8/	ND	1.8/
TDS	594.	418.	372.	NA	290.	222.	788.	442.
CARBONATE	1.	ND	1.	NA	1.	ND	ND	1.
BICARBONATE	186.	216.	146.	NA	93.	138.	308.	146.
COD	46.	211.	26.	NA	902.	152	168.	ND
TOC	2.	8.	8.	NA	1.	1.	28.	ND
AMMONIA	ND	ND	ND	NA	ND	ND	.7	ND
TKN	ND	ND	ND	NA	ND	ND	2.	ND
CHLORIDE	39.	35.	38.	NA	26.	9.	70.	48.
TOX	2790.	39.	2480.	NA	5740.	234.	624.	39.
TSS	12.	258.	26.	NA	70.	20.	84.	148.

Notes:
1. ND: not detected.
2. J: estimated value.
3. []: contaminant detected below contract detection limits, but greater than instrument detection limits.
4. B: contaminant detected in blank.
5. *: indicates duplicate analysis is not within control limits.
6. R: data rejected.
7. NM: data missing.
8. NA: not analyzed.

Existing wells CTMW1, CTMW2, GH-1, GH-2, GH-9 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and existing well CT8R were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

CTC 001 0959

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-125	CT-MW-126	CT-MW7-000	CT-MW7-001	CT-MW7-002
TRAFFIC REPORT NUMBER :	9C667	9C668	99477	99476	99476
DESCRIPTION:	GH-2	GH-3	BLANK	MUN WELL 7	MUN WELL 7

*** VOLATILES ***

PP	CAS NO	COMPOUND					
89V	75-01-4	VINYL CHLORIDE	ND	360	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	ND	3.39JR	2.69JR	3.26JR
	67-64-1	ACETONE	ND	ND	4.16JR	ND	1.8JR
	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	360	25J	ND	41	54
10V	75-34-3	1,1-DICHLOROETHANE	160	90	ND	5.8	6.3
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	4100	1100	ND	34	52
23V	67-66-3	CHLOROFORM	180	27	ND	1.59JR	2.6JR
14H	78-93-3	2-BUTANONE	1400BR	220BR	89JR	6.78JR	5.39JR
11V	71-55-6	1,1,1-TRICHLOROETHANE	6700	500	ND	390	630
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	26	44
67V	79-01-6	TRICHLOROETHENE	16000	1600	ND	370	530
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND
	519-78-6	2-HEXANONE	ND	ND	ND	ND	ND
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	140	54	ND	220	310
86V	108-88-3	TOLUENE	ND	ND	ND	ND	1.4J
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLENES	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND					
268	541-73-1	1,3-DICHLOROBENZENE	20J	10	ND	ND	ND
278	106-46-7	1,4-DICHLOROBENZENE	20J	43	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :			CT-MW-126	CT-MW-128	CT-MW7-000	CT-MW7-001	CT-MW7-002
TRAFFIC REPORT NUMBER :			BC657	BC658	BB477	BB478	BB478
DESCRIPTION:			GH-2	GH-3	BLANK	MUN WELL 7	MUN WELL 7
25B	95-50-1	1,2-DICHLOROBENZENE	20J	270	ND	ND	ND
9B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND
70B	84-66-2	DIETHYL PHTHALATE	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	20JBR	10JBR	5.1JBR	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20JBR	10JBR	ND	ND	ND
69B	117-84-0	DI-N-OCTYL PHTHALATE	20J	ND	ND	ND	ND
74B	205-99-2	BENZO(B&K)FLUORANTHENES	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(GHI)PERYLENE	ND	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND

*** PESTICIDES ***

PP	CAS NO	COMPOUND					
	319-85-7	BETA-BHC	ND	ND	ND	ND	ND
	959-98-8	ENDOSULFAN I	ND	ND	ND	ND	ND
	53469-21	AROCLOR-1242	ND	ND	ND	ND	ND
	11097-69	AROCLOR-1254	ND	ND	ND	ND	ND

SAMPLE TYPE: MW

SAMPLE NUMBER :		CT-MW-125	CT-MW-126	CT-MW7-000	CT-MW7-001	CT-MW7-002
TRAFFIC REPORT NUMBER :		MSD916	MSD917	MSB731	MSB730	MSB732
DESCRIPTION:				BLANK	MUN WELL 7	MUN WELL 7
*** INORGANICS ***						
PP	CAS NO	COMPOUND				
1		ALUMINUM	ND	300	ND	ND	ND
2		ANTIMONY	ND	ND	ND	ND	ND
3		ARSENIC	ND	ND	ND	ND	ND
4		BARIUM	ND	ND	[4.6]	[7.4]R	[8.1]
5		BERYLLIUM	ND	ND	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	ND
7		CALCIUM	85000	73000	[142]	60100	68000
8		CHROMIUM	ND	ND	ND	[4.8]	[5.6]
9		COBALT	ND	ND	ND	ND	ND
10		COPPER	ND	ND	[3.2]	[16]	ND
11		IRON	ND	3400	[3.4]	[40]R	ND
12		LEAD	ND	ND	ND	ND	ND
13		MAGNESIUM	29000	27000	[6.2]	19900	21100
14		MANGANESE	9680	3520	ND	[3.1]	ND
15		MERCURY	ND	ND	ND	ND	ND
16		NICKEL	ND	ND	ND	ND	[13.]
17		POTASSIUM	[3000]	[3000]	ND	[697]	[1720.]
18		SELENIUM	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND
20		SODIUM	39000	22000	386	23300	26900
21		THALLIUM	ND	ND	ND	ND	ND
22		TIN	ND	ND	ND	ND	ND
23		VANADIUM	ND	ND	ND	[12]	[7.8]
24		ZINC	ND	ND	[1.5]	[5.1]	[1.3]

SAMPLE TYPE: MW

SAMPLE NUMBER :	CT-MW-126	CT-MW-126	CT-MW7-000	CT-MW7-001	CT-MW7-002
TRAFFIC REPORT NUMBER :	MBD916	MBD917	MBB731	MBB730	MBB732
DESCRIPTION:	GH-2	GH-3	BLANK	MUN WELL 7	MUN WELL 7

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND					
		CYANIDE	ND	ND	ND	ND	26.R
		SULFATE	130.	76.	1.28	46.8	ND
		NITRITE/NITRATE	.4/	ND	ND	2.61/	ND
		TDS	644.	540	92.	361.	ND
		CARBONATE	ND	1.	ND	ND	ND
		BICARBONATE	266.	240.	176.	176.	ND
		COD	18.	31.	ND	9.6	ND
		TOC	4.	2.	ND	ND	ND
		AMMONIA	6.8	6.7	ND	ND	ND
		TKN	6.	7.	ND	ND	ND
		CHLORIDE	63.	64.	.9	49.6	ND
		TOX	5230.	780.	23.0	87.6	ND
		TSS	1300.	812.	22.	9.0	ND

Notes:
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Existing wells CTMW1, CTMW3, GH-1, GH-2, GH-3 and new wells P1, P1A, P2 and P2A were constructed with PVC screen and riser pipe.
New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and exiting well CTBR were open borehole wells constructed using carbon steel surface casing.
Only new wells MW-1A, 2A, 3A, 4A, 5A, 6A were constructed with stainless steel screen and riser pipe

MPLE TYPE: RW

SAMPLE NUMBER :	CT-RW-000	CT-RW-001	CT-RW-002	CT-RW-003	CT-RW-004	CT-RW-005	CT-RW-005A	CT-RW-006
TRAFFIC REPORT NUMBER :	88434	88434	88435	88436	88437	88438	88435	88439
DESCRIPTION:	BLANK	68 PIERLN	10 TOLL TE	24 CARLOS	36 CARLOS	12 COLT LN	DUP 005	11VAN NESS

*** VOLATILES ***

PP	CAS NO	COMPOUND							
44V	75-09-2	METHYLENE CHLORIDE	540R	12500	180	ND	ND	540R	520R	570R
	67-64-1	ACETONE	ND	ND	410	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	397	600	ND	ND	ND	ND	ND
30V	75-34-3	1,1-DICHLOROETHANE	ND	150	140	ND	ND	ND	ND	ND
50V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1200	1800	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	2160	3900	ND	ND	ND	ND	ND
15V	71-55-6	1,1,1-TRICHLOROETHANE	ND	1910	2800	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	9800	14000	7.4	16	ND	ND	ND
4V	71-43-2	BENZENE	ND	22	40	ND	ND	ND	ND	ND
86V	127-18-4	TETRACHLOROETHENE	ND	360	390	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND							
86B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	140R	120R	ND	ND	ND	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND

CTC 001 0964

SAMPLE NUMBER :	CT-RR-000	CT-RR-001	CT-RR-002	CT-RR-003	CT-RR-004	CT-RR-005	CT-RR-005A	CT-RR-006
TRAFFIC REPORT NUMBER :	88434	88424	88425	88426	88427	88428	88435	88429
DESCRIPTION:	BLANK	66 PIERLIN	19 TOLL TE	24 CARLOS	66 CARLOS	12 COLT LN	DUP 005	11VAN NESS
1031-07-8 ENDOSULFAN SULFATE	ND	ND	ND	ND	ND	ND	ND	ND

CTC 001 0965

SAMPLE TYPE: RW

SAMPLE NUMBER :			CT-RW-000	CT-RW-001	CT-RW-002	CT-RW-003	CT-RW-004	CT-RW-005	CT-RW-005A	CT-RW-006
TRAFFIC REPORT NUMBER :				M99694	M99695	M99696	M99697	M99699	M99695	M99699
DESCRIPTION:				88 PIERLN	18 TOLL TE	24 CARLOS	36 CARLOS	12 COLT LN	DUP 005	11VAN NESS
*** INORGANICS ***										
PP	CAS NO	COMPOUND								
1		ALUMINUM	ND	274R	470R	630R	667R	427R	634R	[189]R
2		ANTIMONY	ND	ND	ND	ND	165R	ND	ND	ND
6		CADMIUM	ND	ND	ND	ND	15	ND	ND	ND
7		CALCIUM	ND	97120R	110200R	61690R	60260R	55470R	40270R	70490R
8		CHROMIUM	ND	26	37	ND	23	19	ND	ND
10		COPPER	ND	52R	44R	ND	35R	ND	ND	ND
11		IRON	ND	444R	186R	187R	264R	442R	386R	[94]R
12		LEAD	ND	6.6	11	12	22	9.4	30	26
13		MAGNESIUM	ND	27420R	29320R	15300R	14610R	6072R	5237R	20230R
14		MANGANESE	ND	ND	16	ND	31	25	ND	ND
15		MERCURY	ND	ND	ND	ND	ND	ND	.32RJ	ND
16		NICKEL	ND	[31]	63	[24]	46	[39]	ND	ND
17		POTASSIUM	ND	[1036]	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	40J	ND	ND	ND
20		SODIUM	ND	36660R	31940R	7971R	7226R	16270R	15570R	12040R
22		TIN	ND	ND	ND	ND	ND	ND	ND	65R
23		VANADIUM	ND	ND	[31]	[26]	[39]	[29]	ND	ND
24		ZINC	ND	55R	46R	147R	31R	40R	21R	26R

SAMPLE NUMBER :	CT-RN-000	CT-RN-001	CT-RN-002	CT-RN-003	CT-RN-004	CT-RN-005	CT-RN-006A	CT-RN-008
TRAFFIC REPORT NUMBER :		M88884	M88885	M88886	M88887	M88888	M88895	M88889
DESCRIPTION:	BLANK	68 PIERLN	18 TOLL TE	24 CARLOS	56 CARLOS	12 COLT LN	DUP 005	11VAN NESS
*** GEOCHEMICAL PARAMETERS FOR								
PP CAS NO COMPOUND								
CYANIDE	ND	ND	ND	14.0R	14.0R	ND	16.0R	ND
SULFATE	ND	58.0	46.0	8.0	4.0	10.0	8.0	4.0
TDS	ND	602.0R	490.0R	210.0R	190.0R	288.0R	182.0R	348.0R
CARBONATE	ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BICARBONATE	ND	238.0	254.0	146.0	114.0	63.0	64.0	146.0
COD	ND	11.0	7.6	18.0	2.2	ND	8.8	ND
TOC	ND	.46	1.0	.34	ND	.22	.60	.54
CHLORIDE	ND	118.0	110.0	15.0	20.0	62.0	84.0	76.0
TOX	ND	4060J	4470J	ND	ND	ND	ND	ND

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New wells MW-1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and existing well CTBR were open borehole wells constructed using carbon steel surface casing.
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SAMPLE TYPE: RW

SAMPLE NUMBER : CT-RW-007
TRAFFIC REPORT NUMBER : 88430
DESCRIPTION: 244L/FALLS

*** VOLATILES ***

PP	CAS NO	COMPOUND	
44V	75-09-2	METHYLENE CHLORIDE	67BR
	67-64-1	ACETONE	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND
23V	67-66-3	CHLOROFORM	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND
87V	79-01-6	TRICHLOROETHENE	ND
4V	71-43-2	BENZENE	ND
85V	127-18-4	TETRACHLOROETHENE	ND

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND	
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND

*** ACIDS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

*** PESTICIDES ***

PP	CAS NO	COMPOUND

SAMPLE TYPE: RW

SAMPLE NUMBER :	CT-RW-007
TRAFFIC REPORT NUMBER :	89420
DESCRIPTION:	244L/FALLS

1031-07-8	ENDOSUFAN SULFATE	.17

SAMPLE TYPE: RW

SAMPLE NUMBER : CT-RW-007
TRAFFIC REPORT NUMBER : MB8690
DESCRIPTION: 244L/FALLS

*** INORGANICS ***

PP	CAS NO	COMPOUND	
1		ALUMINUM	1700R
2		ANTIMONY	ND
6		CADMIUM	ND
7		CALCIUM	64600R
8		CHROMIUM	ND
10		COPPER	ND
11		IRON	1384R
12		LEAD	19
13		MAGNESIUM	19660R
14		MANGANESE	41
15		MERCURY	.3RJ
16		NICKEL	[26]
17		POTASSIUM	ND
19		SILVER	ND
20		SODIUM	15920R
22		TIN	ND
23		VANADIUM	[27]
24		ZINC	116R

SAMPLE TYPE: RW

CTC 001 0971

SAMPLE NUMBER : CT-RW-007
TRAFFIC REPORT NUMBER : M99690
DESCRIPTION: 244L/FALLS

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND	
		CYANIDE	16.0R
		SULFATE	2.6
		TDS	ND
		CARBONATE	0.0
		BICARBONATE	90.0
		COD	4.4
		TKN	.11
		CHLORIDE	111.0
		TOX	12.4R

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