LAB. REPORT NO. _____

BONDAR-CLEGG INC.

12980 W. CEDAR DR., LAKEWOOD, CO. 80228 PHONE: 989-1404 TELEX: 45-693

SAMPLE SHIPMENT NOTICE

Date Shipped 1/16/89 Via _____ ☐ Prepaid or ☐ Collect

Parcels in Shipment _____ TOTAL NUMBER OF SAMPLES 5

GEOLOGIST'S NAME Jim Barron PHONE NUMBER _____ PROJECT NAME OR NUMBER _____

Samples Type	# Samples	Sample Numbers (Series)	ELEMENTS TO BE ANALYZED Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	Ore test
DC	5	R89-540	Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
Dy		0455	Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
1		2025	Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test

Please analyze by { ☐ assay (%, ore grade) / ☐ geochemical (ppm, trace level) } methods, the enclosed ☐ { prepared / unprepared } samples

☐ DO NOT ASSAY GEOCHEMICAL OVERLIMITS

COMMENTS _____

PLEASE INDICATE SAMPLE DISPOSITION

COARSE REJECTS

☐ DISCARD AFTER ANALYSIS COMPLETE
☐ RETURN COD AFTER ANALYSIS COMPLETE
☐ STORE 60 DAYS-DISCARD

STORAGE CHARGE WILL BE ASSESSED AFTER 60 DAYS

PULPS

☐ DISCARD AFTER ANALYSIS COMPLETE
☐ RETURN COD AFTER ANALYSIS COMPLETE
☐ STORE 1 YEAR-RETURN COD

STORAGE CHARGE WILL BE ASSESSED AFTER 1 YEAR

RESULTS, INVOICES AND SAMPLES TO BE SENT TO:

☐ Results Jim Barron
☐ Invoices Bob Manning
☐ Pulps _____
☐ Rejects _____

☐ Results _____
☐ Invoices _____
☐ Pulps _____
☐ Rejects _____

☐ Results _____
☐ Invoice _____
☐ Pulps _____
☐ Rejects _____

☐ Results _____
☐ Invoice _____
☐ Pulps _____
☐ Rejects _____

CLIENT'S COPY

LANG EXPLORATORY DRILLING DAILY DRILLING REPORT	RIG#: Lk 2	Angle or Vertical Rig ---(circle one)---	DATE: JAN. 5, 1989

Daily Start time: NOON 12:00	Daily Finish time: MIDNITE 12:00	Subsistence: 1 Day 3 Men	PROJECT NAME: BROHM - GILT EDGE

Hole #: R89-540	Angle or Vertical --(circle one)---	Hole #: R89-542	Angle or Vertical --(circle one)---	Hole #:	Angle or Vertical --(circle one)---	TOTAL FOOTAGE DRILLED TODAY:
Depth today: 375	Depth yesterday: (145)	Depth today: 105		Depth today:		295 FT.

MATERIALS USED

Quantity:	Size:	Material Name:	Quantity:	Size:	Material Name:	Quantity	Size:	Material Name:
	Gal.	Quick Foam		"	X Nipple			
	Gal.	E-Z Mud		"	X Nipple			
	Bags	Cement		"	• Elbow			
2	9 "	Rod Wipers		"	Tee			
	"	Tri-Cone Wear Sleeves		"	Pipe Plug			
	----	Bazooka Tube	ft. of		"Casing			
	----	14-Hole Adapter		"	Casing Couplers			

BIT#:	SIZE:	TYPE:	MAKE:	FOOTAGE:	
A	6	Tri-Cone Carbide, Hammer Bit, Tri-Cone Steel Tooth ---(circle one of the above)---	MISSION		New Bit / Bit previously used on this project / Used Bit ---(circle one)---
BIT#: A4943	SIZE: 6 1/4	TYPE: Tri-Cone Carbide, Hammer Bit, Tri-Cone Steel Tooth ---(circle one of the above)---	MAKE: MISSION	FOOTAGE: 105	New Bit / Bit previously used on this project / Used Bit ---(circle one)---

FROM	TO	ACTIVITY
12:00	6:00	DRILL 145' TO 375' TD R89-540
6:00	7:00	TRIP OUT : RIG DOWN
7:00	7:30	MOVE
7:30	8:15	SET UP : DRILL & SET SURFACE
8:15	10:30	DRILL TO 105'
10:30	12:00	STANDBY - WAIT ON WATER
		RIG HOURS 10
		MOVING 1/2
		STANDBY 1 1/2

1.5

Told by Chris to standby until morning. Worked to chain up w/ second set get still couldn't get out.

SAMPLING PERFORMED BY LANG? Yes No Partially (circle one)

1/2 Hrs. MOVING, ____ Hrs. HAULING WATER, 1 1/2 Hrs. STANDBY

____ Hrs. BIG/SMALL CAT (circle one), ____ Hrs. SKIDDER,

____ Hrs. HOURLY WORK, CAUSE OF LOST TIME (repairs, lost circulation etc.,) ____

Mark Waite Hrs. 12
Drillers signature

BENJIE STUFLET Hrs. 12
Helpers signature

JIM ARNOLD Hrs. 12
Helpers signature

**********JUSTIFY HOURS (If Applies)**********
____ Getting Fuel
____ Chasing for Parts
____ Drive Time (after the 1st one hour)

CLIENT REP: Wally Robinson Was the hole(s) completed to desired depth? Yes ____ No ____ ? ____

YELLOW-GEOLOGIST COPY

1987 DRILL ASSAY SUMMARY

Sample and Assay Results to date:

Drill Hole Samples:

Drill Hole #	Interval (depth in feet)	Gold Grade in OPT (0.020 OPT cutoff)
R87-304 B-1 (T.D.=500')	365-370	0.027
B-2 (T.D.=~~450'~~ 445')	---	---
B-3 (T.D.=325')	0-10	0.122
B-4 (T.D.=405')	---	---
B-5 (T.D.=280')	85-90	0.029
	185-200	0.046
B-6 (T.D.=245')	---	---
B-7 (T.D.=345')	40-45	0.027
	145-150	0.030
	175-180	0.082
B-8 (T.D.=300')	120-125	0.036
B-9 (T.D.=225')	35-40	0.042
B-10 (T.D.=300')	---	---
B-11 (T.D.=585')	110-115	0.020
	345-355	0.020
	380-390	0.025
	535-540	0.020
B-12 (T.D.=325')	0-5	0.105
	150-160	0.060
	180-185	0.020
	220-230	0.027
	260-265	0.050
	305-320	0.020
B-13 (T.D.=445')	5-10	0.024
	275-285	0.032
	420-425	0.024
B-14 (T.D.=300')	---	---
B-15 (T.D.=312')	190-195	0.026
	245-260	0.069

Drill Hole #	Interval (depth in feet)	Gold Grade in OPT (0.020 OPT cutoff)
B-16 (T.D.=580')	230-235	0.100
	270-285	0.022
	320-325	0.030
	350-360	0.020
	400-410	No Sample-Mine Drift
	410-440	0.035
	440-445	No Sample
	445-450	0.030
	465-475	0.022
	495-500	0.020
	520-525	0.055
	560-565	0.025
B-17 (T.D.=400')	245-250	0.021
	315-330	0.043
	345-350	0.033
	365-370	0.028
B-18 (T.D.=280')	0-5	0.020
	15-20	0.050
	30-45	0.027
	55-105	0.037
	115-120	0.025
	150-170	0.074
	190-195	0.030
	210-215	0.040
B-19 (T.D.=570')	290-295	0.038
B-20 (T.D.=285')	60-70	0.022
	75-80	0.020
	110-120	0.047
	185-240	0.051
	250-255	0.045
B-21 (T.D.=445')	295-300	0.125
	375-390	0.020
	405-410	0.020
B-22 (T.D.=245')	35-45	0.022
	60-70	0.102
	145-155	0.027
	175-195	0.116
	200-225	0.020
B-23 (T.D.=300')	75-95	0.029
	110-115	0.020
	160-175	0.027
	200-225	0.019
B-24 (T.D.=285')	205-225	0.032
	255-265	0.023

Drill Hole #	Interval (depth in feet)	Gold Grade in OPT (0.020 OPT cutoff)
B-25 (T.D.=265')	110-115	0.026
	130-145	0.153
	160-165	0.022
	205-210	0.203
B-26 (T.D.=225')	35-75	0.040
	100-185	0.049
B-27 (T.D.=380')	80-110	0.023
	230-270	0.026
	285-295	0.025
B-28 (T.D.=285')	80-85	0.025
	215-220	0.040
	230-235	0.090
B-29 (T.D.=320')	195-200	0.040
	285-290	0.035
B-30 (T.D.=245')	---	---
B-31 (T.D.=585')	160-215	0.043
	335-340	0.031
	540-545	0.021
B-32 (T.D.=300')	25-30 5	0.025
	40-50 10	0.030
	155-160 5	0.022
	245-255 10	0.023
B-33 (T.D.=365')	180-185	0.021
	260-265	0.025
B-34 (T.D.=245')	140-180	0.050
	205-210	0.023
B-35 (T.D.=-345')	100-105	0.020
	145-150	0.220
	180-185	0.030
	200-205	0.080
B-36 (T.D.=540')	5-10	0.020 (Entire Drill
	80-85	0.020 Hole / 0-540 =
	135-140	0.020 .011 OPT Au)
	155-160	0.020
	305-325	0.059
	475-485	0.020
	505-510	0.025

Drill Hole #	Interval (depth in feet)	Gold Grade in OPT (0.020 OPT cutoff)
B-37 (T.D.=225')	95-100	0.100
	195-200	0.035
B-38 (T.D.=500')	20-40	0.045
	120-170	0.020
	230-235	0.020
	270-320	0.025
	360-375	0.020
	385-390	0.020
B-39 (T.D.=335')	60-85	0.027
	105-130	0.027
	175-185	0.030
B-40 (T.D.=600')	135-140	0.030
	525-530	0.030
B-41 (T.D.=265')	30-35	0.025
	40-45	0.020
B-42 (T.D.=365')	60-80	0.025
	100-105	0.020
	125-130	0.020
	140-150	0.032
	220-260	0.051
	345-355	0.025
B-43 (T.D.=285')	---	---
B-44 (T.D.=600')	15-20	0.020
	65-100	0.020
	120-175	0.042
	210-220	0.020
	270-275	0.020
	285-295	0.020
	440-450	0.505
	465-470	0.020
	510-515	0.090
	545-550	0.050
348 B-45 (T.D.=285')	---	---
B-46 (T.D.=335')	110-125	15' @ 0.020
RB7-349	190-195	5' @ 0.020
	200-205	5' @ 0.020
	270-275	5' @ 0.020
		30' @ .020 (WAG) GT=1

Drill Hole #	Interval (depth in feet)	Gold Grade in OPT (0.020 OPT cutoff)	
350 B-47 (T.D.=765')	Met Sample Drill Hole		
	0-15	0.022	(Dump)}(Oxide)
	25-30	0.020	} (0-45)
	35-40	0.020	} (")
	65-105	0.024	(Mixed 45-110)
	115-140	0.101	} (Sulfide)
	155-475	0.037	} (110-765)
	490-495	0.020	} (T.D.)
	510-570	0.022	} (")
	580-635	0.030	} (")
	665-765 (T.D.)	0.051	} (")
351 B-48 (T.D.=400')	110-125	15'@ 0.030	
	135-190	55'@ 0.034	
	215-220	5'@ 0.035	
	245-250	5'@ 0.030	
	285-295	10'@ 0.030	
	305-320	15'@ 0.025	
	340-350	10'@ 0.020	
	385-390	5'@ 0.030	
		120'@ .031 (WAG)	GT= 4.0
352 B-49 (T.D.=600')	Met Sample Drill Hole		
	30-35	0.020)	
	40-45	0.025)	
	60-65	0.025)	
	85-100	0.023)	} Oxide
	110-115	0.020)	} 0-340
	135-190	0.046)	
	210-220	0.025)	
	245-270	0.042)	
	280-600	0.052}	Mixed 340-390
		}	Sulfide 390-600
353 B-50 (T.D.=345')	200-215	15'@ 0.093	
	315-320	5'@ 0.045	
		20'@ .081 (WAG)	GT=2
354 B-51 (T.D.=365')	Met Sample Drill Hole		
	10-150	140'@ 0.059	(0-15 =Oxide)
	160-200	40'@ 0.020	(15-30 =Mixed)
	210-250	40'@ 0.067	(30-365=Sulfide)
	260-365	105'@ 0.053	
		325'@ .053 (WAG)	GT= 17.0
355 B-52 (T.D.=265')	80-95	15'@ 0.070	
	160-165	5'@ 0.045	
	180-220	40'@ 0.038	
		60'@ .047 (WAG)	GT= 3
356 B-53 (T.D.=400')	Met Sample Drill Hole		
	70-80	10'@ 0.020	(0-40 =Oxide)
	90-245	155'@ 0.055	(40-70 =Mixed)
	255-270	15'@ 0.030	(70-135=Sulfide)
	355-375	20'@ 0.026	(135-150=Mixed)
	395-400	5'@ 0.060	(150-400=Sulfide)
		205'@ .049 (WAG)	GT=10

Drill Hole #	Interval (depth in feet)	Gold Grade in OPT (0.020 OPT cutoff)
357 B-54 (T.D.=600')	125-130	5'@ 0.020
	555-580	25'@ 0.022
		30 @ .021 GT=1

B-55 through B-62 - Assays Pending

R87-358 (B-55) TD= 600'

235-250	15' @ .032
265-280	15' @ .038
315-365	50' @ .035
385-395	10' @ .020
410-565	155' @ .023
	245' @ .027 (WAG) GT=7.0

R87-359 (B-56) TD= 515'

240-245	5' @ .050
365-425	60' @ .028
	65' @ .030 (WAG) GT=2

R87-360 (B-57) TD= 300'

85-90	5' @ .020
140-170	30' @ .032
255-260	5' @ .025
	40' @ .030 (WAG) GT=1

R87-361 (B-58) TD=

40-45	5' @ .035
100-235'	135' @ .024
250-465	215' @ .029
500-505	5' @ .020
530-560	30' @ .019
590-600	10' @ .020
	400' @ .026 (WAG) GT=10

R87-362 (B-59) TD = 600'

145-155	10' @ .020
165-175	10' @ .022
205-210	5' @ .020
225-300	75' @ .144
315-320	5' @ .020
345-515	170' @ .039
545-550	5' @ .020
	280' @ .065 (WAG) GT= 18

R87-363 (B-60) TD= 485'

85-90	5' @ .020
130-135	5' @ .020
295-325	30' @ .026
360-385	25' @ .031
	65' @ .027 (WAG) GT=2

R87-364 (B-61) TD=565'

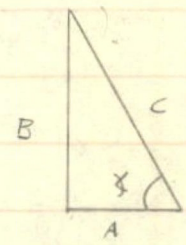
10-20	10' @ .058
135-140	5' @ .020
170-195	25' @ .020
215-230	15' @ .020
270-320	50' @ .095
370-375	5' @ .025
385-390	5' @ .020
	115' @ .056 (WAG) GT=6

R87-365 (B-62) TD = 465'

0-5	5' @ .055
35-45	10' @ .022
305-340	35' @ .021
435-450	15' @ .032
	65' @ .026 (WAG) GT=2

$$\sin = \frac{opp(B)}{hyp(C)} \qquad \tan = \frac{opp(B)}{adj(A)}$$

$$\cos = \frac{adj(A)}{hyp(C)}$$



$$A(\text{hori.}) = C(\text{md}) \cos ∡$$

$$B(\text{TVD}) = C(\text{md}) \sin ∡$$

$$A(\text{hori.}) = \frac{B(\text{TVD})}{\tan ∡}$$

$$B(\text{vertical}) = A(\text{horizontal}) \tan ∡$$

$$C(\text{down hole}) = \frac{A(\text{horizontal})}{\cos ∡}$$

COPY TO WHSE.

3/2/88

To: Jim Barron
From: Wally Robison
Re: R88 Drill Hole Coordinates

Following is a tabulation of surface and underground coordinates for the recently drilled R/C holes.

	Station		N.	E.	Elevation	
R88-366	Collar		45092	26698	5507	
	100'		45092	26698	5407	
	300'		45092	26696	5207	
	500'		45096	26696	5007	
	700'		45101	26697	4807	
	900'		45120	26718	4610	
	1100'		45143	26740	4412	
	1300'		45164	26763	4214	
	1385'	(est)	45173	26773	4130	T.D.
R88-367	Collar		44900	26702	5487	
	Caved at 30' - unable to survey.					
	1500	(est)	44900	26702	3987	T.D.
R88-368	Collar		45595	27243	5623	
	Lost in blast - unable to survey.					
	1455	(est)	45595	27243	4168	T.D.

RBB-369	Collar		44873	26503	5414
	Caved at 30'-unable to survey				
	1320'	(est)	44873	26503	4094 T.D.
RBB-370	Collar		45804	26499	5578
	Caved at 150'-unable to survey				
	1470'	(est)	45804	26499	4108 T.D.
RBB-371	Collar		44652	26492	5410
	100'		44654	26490	5310
	300'		44660	26477	5111
	500'		44666	26463	4911
	700'		44673	26447	4712
	900'		44676	26434	4512
	1100'		44679	26415	4313
	1300'		44667	26397	4114
	1320'	(est)	44667	26395	4094 T.D.
RBB-372	Collar		45993	26475	5539
	100'		45991	26474	5439
	300'		45988	26475	5239
	500'		45983	26475	5039
	700'		45991	26499	4841
	900'		46005	26544	4646
	1000'		46012	26566	4549
	1055'	(est)	46016	26578	4496 T.D.

RBB-373	Collar		44985	26588	5455
	100'		44987	26586	5355
	300'		44986	26577	5155
	500'		44989	26565	4955
	700'		44995	26551	4756
	900'		44996	26534	4557
	1100'		44979	26508	4359
	1300'		44964	26481	4161
	1360'	(est)	44959	26473	4102 T.D.
RBB-374	Collar		45416	27074	5628
	Caved at 160' - unable to survey				
	1305'	(est)	45416	27074	4323 T.D.
RBB-375	Collar		45205	26572	5517
	100'		45204	26568	5417
	300'		45203	26556	5217
	500'		45201	26542	5018
	700'		45203	26527	4819
	900'		45209	26509	4619
	1100'		45219	26487	4421
	1300'		45230	26471	4222
	1400'		45238	26468	4122
	1415'	(est)	45239	26468	4107 T.D.

RBB-376	Collar	46275	27159	5560
	100'	46275	27159	5460
	300'	46272	27165	5260
	500'	46265	27165	5060
	Caved at 530' - unable to survey below.			
	1025'	(est) 46247	27165	4535 T.D.
RBB-377	Collar	45309	26350	5479
	Caved at 30' - unable to survey.			
	1305	(est) 45309	2635	4174
RBB-378	Collar	44796	26821	5526
	100'	44797	26820	5426
	300'	44802	26817	5226
	500'	47806	26810	5026
	600'	44809	26806	4926
	800'	44808	26797	4727
	1210'	(est) 44806	26779	4317

Wally Robison

cc: Barry Hansen

R88-371	Measured Depth	Course Length	Drift ∡	Obs. Direction		Corr. Direction
	1300'		5°	S.70° W.	10-17	S. 84° W.
	1100'		5½°	S.85° W.	47-49	N. 81° W.
	900'		4°	S.88° W.	52-54	N. 78° W
	700'		5°	N.78° W.	56-58	N. 64° W
	500'		4½°	N.81° W.	61-63	N. 67° W
	300'		4°	N.80 W.	66-68	N 66° W
116	100'		1½°	N.58° W	71-73	N 44° W
R88-369 - Bridged @ 36' - No Survey						
R88-373	1300'		9°	S.47° W	86-93	S.61° W
	1100'		8½°	S.46° W.	96-98	S.60° W
	900'		5°	S.72° W.	100-102	S.86° W
	700'		4½°	N.80° W	105-107	N.66° W
	500'		3½	S.88 W	110-112	N.78° W
	300'		2½°	S.70 W.	114-116	S.84° W
	100'		1¼°	N.60° W.	119-121	N.46° W
(1) R88-366	1300'		9°	N.34° E	134-140	N 48° E
	1100'		9¼°	N.30° E	143-145	N 44° E
	900'		8°	N.34° E	147-149	N 48° E
	700'		1½°	N 0° W.	152-154	N.14° E.
	500'		1¼°	N.15° W.	156-158	N.1° W.
	300'		½°	S 75° W	160-161	S.89° W.
(250)	100'		¼°	S.60° W	164-166	S.74° W.

				Corrected
R88-378	800'	178- ~~2~~ 2½° 197-	S.70° W.	S.84° W
	600'	2½° 197-199	N.75° W.	N.61° W
	500'	2½° 201-202	N.70° W.	N56° W
	300'	1¾° 205-206	N.50° W	N36° W
	100'	½° 210	N.60° W.	N46° W
R88-375	1400'	5° 226-232	N.32 W.	N18° W
	1300'	5½° 234-236	N.69° W	N55° W
	1100'	7° 238-240	N.80° W	N66° W
	900'	5½° 242-244	N.85 W	N71° W
	700'	4¼° 247-249	S.82° W	N.84° W ✓
	500'	4¼° 251-253	S.70° W	S.84° W
	300'	3¼° 255-257	S.69° W	S.83° W
	100'	2½° 261-263	S.65° W.	S.79° W.
R88-376	500'	2° 278-287	S.15° E	S.1° E
	300'	2°	S.75° E	S.61° E.
	100'	0° 295	Vertical	—
R88-374	Bridge @ 50'-100'			
R88-372	1000'	13½° 329-336	N.58° E	N.72° E.
	900'	13½°	N.59° E	N73° E
	700'	7½°	N.58° E	N.72° E.
	500'	1½°	S.5° E.	S.9° W.
	300'	1°	S.35° E.	S.21° E.
	100'	1°	S.15° W	S.29° W.

1305
1085
5 ⟌ 220
44

923-144

	Initials	Date
Prepared By		
Approved By		

DATAMASTER

	1 Downhole (C) (T.D.)	2 Vertical (B)	3 Surface (A)	4 Bearing	5 Inclin	6 Survey location footage	7 Plotting footage	8	9 (A) Survey point	10 (B)	11 (C) Downhole	12	13
DDH-1	910'	788	455'	S 50E	-60°								275 / 45 / 89.57 / 5455
DDH-2 5498.1	1130'	979	565	N 75E	-60°								1.1 / 278 / 1975 / 5300.9
DDH-3	1350'	—	—	—	-90°								2.1 / 422 / 3663 / 5182.1
DDH-4	700'	—	—	—	-90°								
DDH-5	850'	—	—	—	-90°								
DDH-6	1500'	—	—	—	-90°								
DDH-7	480'	—	—	—	-90°								
DDH-8	450'	—	—	—	-90°								
DDH-9	1000'	—	—	—	-90°								
DDH-10	810'	—	—	—	-90°								
DDH-11	725'	—	—	—	-90°								
DDH-12	413			S 83E	-40°	COLLAR							
		109.6	131.6	S 86E	-40°	68'	0 - 170.5	(170.5')					
		159.1	314.6 = 183.0	S 86E	-41°	273'	170.5 - 413	(242.5')					
DDH-13	285.5'	201.88	201.88	N 73E	-45°	COLLAR							
WHAT TO DO? ABOUT INCLIN. DDH-14	400'			N 78E	-22°	COLLAR							
				N 78E	-55°	200							
													A Elev
DDH-15 5651.6	350'			S 68E	-77°	COLLAR			5.6	24.4	5627.2	0-25'	53
		97.0	24.9	S 68E	-76°	50	0 - 100	(100')	18.1 / 24.2	72.8 / 97.0	5554.4 / 5457.4	25 - 100 / 100 - 200	50 6.0 / 150 12.1
		97.0	24.9	S 72E	-76°	150	100 - 200	(100')	36.3	145.5'	5311.9	200 - 350	250 24.2
		97.0	24.9	S 73E	-76°	250	200 - 350	(150')					
DDH-16 5613.1	295'	57.5	48.2	S 65E	-50°	COLLAR	0 - 75'	(75')	45.100	244. 239.5	36.4 => 5425.97		
		93.3	75.5	S 71E	-51°	150'	75 - 195'	(120')					
		81.9	57.4	S 72E	-55°	240'	195 - 295'	(100')	T.D. proj's 295	5348			
DDH-17 5522.8	391'			S 35E	-70°	Collar							
		196.6	50.6	S 38E	-71°	50'	0 - 155	(155)					
		224.4	123.5 = 72.9	S 38E	-72°	260'	155 - 391	(236)					
DDH-18 5266.2	350'	147.9	317.2	N 69E	-25°	Collar	0 - 350	(350')					
DDH-19 5504.0	743'		70.7	S 80E	-45°	Collar	0 - 100	(100)	(0')				
			129.1	—	-55	200	100 - 325	(225')	57.4		100-200 (100)		
			152.0	—	-55	450	325 - 590	(265')	71.7		325-450 = (125)		
			87.8	—	-55	730	590 - 743	(153')	80.3		590-730 = (140)		
			439.6										

R87-339 (B-36)

(5594) 746200 N 1127360.5 E 315 Azimuth 60° N45W

			A (H.D.)	B (TVD)	Elevation TD - 540
0 - 540	N45W	-60°	270	468	5126

746200	A	C down hole depth	B	Elevation
Collar				5594
proj 25' S	35	70	61	5533

746250				
proj 25' N	35	70	61	5533
PP	71	142	123	5471
proj 25' S	106	212	184	5410

746300				
proj 25' N	106	212	184	5410
PP	141	282	244	5350
proj 25' S	178	356	308	5286

746350				
proj 25' N	178	356	308	5286
PP	214	428	371	5223
proj 25' S	249	498	431	5163

746400				
proj 25' N	249	498	431	5163
TD	270	540	468	5126

R87-339 (B-36)

1,127,250		C (md) 60°	B (TVD)	Elevation (5594)
proj 25' W	80	160	139	5455
pp	151	302	261	5333
proj 25' E	222	444	384	5210

B-38

5615 746360 N 1,127,205E N45W -60° 500' TD

			(hori. dist.)	(TVD)	Elevation
0-500	N45W	-60°	250	433	5182

746350

Collar		(md)	(TVD)	5615
proj 25's	22	44	38	5577

746400

proj 25'N	22	44	38	5577
pp	56	112	97	5518
proj 25's	92	184	159	5456

746450

proj 25'N	92	184	159	5456	326
pp	128	256	222	5393	184
proj 25' S	163	326	282	5333	142

746500

proj 25'N	163	326	282	5333
pp	199	398	344	5270
proj 25's	233	466	404	5211

746550

proj 25'N	233	466	404	5211
TD				5182