D88-68

1925094 - R8 SDMS

45768.47
26303.55

Contractor: LUISUER | Coordinates: TWIN TO R88-427 (EXCEPT VERTICAL) | Project: GILT EDGE | Hole No.: D88-68

Drill Type: CONVENTIONAL | Casing Depth: | State: S.D. | Sheet 1 of

Hole Size: | Bearing: – | Inclination: 90 | Date Started: 11.1.88 | Property: GILT EDGE

Collar Elev.: 5488.10' | Final Depth: | Date Completed: | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES % (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			30	3	0-5		Cdh	0-45 CAMBRIAN DEADWOOD HORNFELS	0-40 OXIDE			
					20-25							
				1					40-455 SULFIDE 2-3% FeS_2			
			40		45-50		Cdq	45-70 CAMBRIAN DEADWOOD QUARTZITE w/ Tkp & PC chips.	1-2% OXIDE			
			10		70-75		PC	70-90 PRECAMBRIAN SCHIST w/ Tkp &				
									(80-105) 5-7% FeS_2			
			60		95-100		Tkp	90-155 TRACHYTE PORPHYRY 3-5% OXIDIZED CHIPS				
									(105-155) 7-9% FeS_2			
					120-125							
									125-135 FRACTURED			
					145-150							
			10				PC	155-160 PRECAMBRIAN SCHIST	(155-175) 3-5% FeS_2			
			20					160-175 PRECAMBRIAN CHERT				
					170-175							

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. D88-68

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of ____

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement) / TYPE	ASSAY Au	ASSAY Ag
			10	1	175-180		PC	175-360 PRECAMBRIAN SCHIST	(175-185) 5-7% FeS_2		
									185-210 FRACTURED		
									(185-315) 1-2% FeS_2		
					195-200						
					220-225						
									230-270 FRACTURED.		
					245-250						
					270-275						
					295-300			(285-305) 5-7% PC chert			
									310-315 FRACTURED		
									(315-360) 2-4% FeS_2		
					320-325						
					345-350						

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. D88-68

Drill Type _____ Casing Depth _____ State _____ Sheet ___ of ___

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (Weak, Moderate, Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement) / TYPE	ASSAY: Au	ASSAY: Ag
			10	1	400-405		PC	- 430 PRECAMBRIAN SCHIST	- SULFIDE 2-4% FeS_2		
					420-425						
			60				Tep	430-455 TRACHYTE PORPHYRY (430-440) 30-40% PC schist.			
									(440-445) 4-6% FeS_2		
					445-450				(445-455) 2-4% FeS_2		
					450-455						
								→ CORING FROM 455-690			
			60	1	680-685		Tep	690-695 TRACHYTE PORPHYRY - BRECCIA (690-) 1-2% FeS_2			
			10		695-700		PC	695-740 PRECAMBRIAN SCHIST (25-30% Tep)			
					720-725						
			60				Tep	740-785 TRACHYTE PORPHYRY 5-10% PC schist			
					745-750			(745-755) 70-80% PC schist			
								(755-785) 10-20% PC schist.			
					770-795						
					780-785						
								→ CORING 785+			

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. D88-68

Drill Type _____ Casing Depth _____ State _____ Sheet 3 of ____

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

GRAPHIC LOGS											DOWN HOLE LOCATION		GEOLOGIC NOTES				
DISTANCE (feet)	ALTERATION 1 Weak 2 Moderate 3 Strong								TOTAL SULFIDES % (vol %)	ROCK CODE	ORE CODE	DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION Massive, Disseminated, Veinlill, Replacement / TYPE	ASSAY Au	ASSAY Ag
										10		350-355		PC		350-360 FRACTURED		
										60				Tep	360-365 TRACHYTE PORPHYRY	(360-365) 7-9% FeS_2		
										10				PC	365-435 PRECAMBRIAN SCHIST	(365-430) 1-2% FeS_2		
												370-375				370-375 FRACTURED		
																380-390 FRACTURED		
												395-400						
												420-425						
																(430-445) 3-5% FeS_2		
										60				Tep	435-455 TRACHYTE PORPHYRY (435-445) 10-20% PC schist			
												445-450				(445-450) 5-7% FeS_2		
												450-455				(450-455) 3-5% FeS_2		
															—HOLE RC TO 455' CORING DEEPER.			

DRILL CUTTING LOG

Logged by:

BROHM MINING CORPORATION
DIAMOND DRILL HOLE LOG

Property	Gilt Edge	Hole No.	088-68
Location	Twin to R88-427	Bearing at Collar	
		Inclination at Collar	-90°
Coord. - Collar N	45768.47		
E	26303.55	Length	834.1
Elev. - Collar	5488.10	Core Size	6"
Date started	10/31/88		
Completed	11/10/88	Logged by	S. Ringhoffer

SURVEY

Footage	Bearing	Inclination

Total Footage of core: 289'

LITHOLOGY, ALTERATION, MISC.	FT.	FRACTURE GRAPHIC LOG	MINERALIZATION	RECOVERY Run	Run length	Core	ANALYTICAL 6 in. Rod	4 in. Rod	Skeleton footage	ASSAY Au	Fractures Surface	Mineralization
Note: Hole rotary drilled from 0-452'. Core begins at 452'	450' 0											
(452-469.8') Tfo. Mostly unox. Moderate fract with typical FeSz along fracts. Most fracts are very high & and appear to have surface features which imply a sense of movement in a strike-slip sense.		80 ?		452-469.8								
(458') Shear with truncated fracture zone. Possible drag indicating relative movement. FeSz in both structures.	460	>90	(452-469.8') Total FeSz 1-2%		17.8	17.1		6.7			PS J4	FeSz, Grn. mineral.
(463') Very high & fract. wandering along C.A. Faint indications of strike-slip movement. Structure wanders along C.A. to ~477'.												
	470											
(476') Slickensided surface features ⊥ to C.A. Some minor open spaced zones along unbroke fracts.		60 60 67	(483.8-486) Pyrophyllite brown clay, waxy, & black soft-like material FeSz along heavy fract. zone.	469.8-489.5							PS J4	FeSz, Grn mineral, Pyrophyllite "soft"
(469.8-489.5) Run characterized by numerous high ∠ structures with abund. mineralogy as described at right	480	F	(469.8-489.5) Total FeSz <2%		19.7	18.1		7.6				
(479-486) Some rubble along fracts. Most other fracts rubbless.		F										
	490											
(489.5-507.7) Tfo. Moderate to highly fract with two prominent fract. zone.		60 50	489.5-507.7) Total FeSz 2-4% with majority of FeSz con-tained in healed & broken fracts. Some FeSz dissem. in phenocrysts & groundmass. Minimum ~1% in total % from 493-501'. Found on fracts & groundmass. Total FeSz 3-5% along this interval. (502-507.7) FeSz 3-5%	489.5-507.7							PR J4 PR J4	FeS2, FeOx, Pyrophyllite
(493-502) High fract zone. FeOx, FeSz, Pyrophyllite on fract. surfaces and rubble frags.		F			18.7	16.3		6.7				
(495.5) Open space fract/vein filling. Partially ox. cubic pyrite.												
(505') FeSz healed fracts to .7 cm wide. Most fracts seem drilling induced in the weak sections.	500											
(Note: No photo of core from 489.5 thru 530.9 (2 runs))												

HOLE No. D88-68 **BROHM MINING CORPORTION**

DIAMOND DRILL HOLE LOG (Cont.)

LITHOLOGY, ALTERATION, MISC.	FT.	FRACTURE GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY Run length	RECOVERY Core	ANALYTICAL 6 in. Rod	ANALYTICAL 4 in. Rod	ANALYTICAL Skeleton footage	ANALYTICAL ASSAY Au	ANALYTICAL Fractures Surface	ANALYTICAL Mineralization
Note: Missing core from 507.1 to 511.												
	510										Notes	
(511-530.9) Moderately fract T to. Fracturing seems much smaller in scale than previous run. All fracts are close to ⊥ to C.A. and appear drilling induced. Several FeSz healed high ∠ fracts occur throughout run. Most X-cut phenos and are thin and erratic.			(511-530.9) FeSz ~1% Pyrrhotite 3-5% predominately in groundmass. Minor Bn mineral along some FeSz healed fracts; <<1%.								Most fracts appear drilling induced and partial summarized at left.	
Run characterized by difficult drilling with two stand-runs noted at 520' and 524'.	520			511-530.9	19.9	18.1		14.8				
(526') FeSz healed fract. zone.		~50	(526') Locally abund. FeSz in healed fract. zone. FeSz 2-4%.								ID 74	FeSz healed
	530		(531-532) Cubic Pyrite filled veins X-cuts to 2cm. Vein ~8-10 cm wide. Minor suture by anhedral FeSz. Total FeSz 40-50% for interval.								IR 74	Massive cubic FeSz
(530.9-556) Mod. to heavy fract T to. Most fracts are irregular and wander at various ∠'s to C.A. Most are high ∠ to C.A. Pheno size avg. 1-2 cm with max dia ~5 cm. Min. alteration with some Pyrrhotite 553-556.			(530.9-541) Total FeSz 1-3% with majority contained to healed fracts. ~3-6% of phenos contain FeSz with <1% of total FeSz contained in groundmass	530.9-541	10.1	10.1		8.4				
	540	F										
(541-544) High ∠ fract. wandering along CA. Minor FeOx with FeSz along fracts. (544-546) FeSz healed fract with cubic FeSz along open spaces.												
	550			541-556	15.0	13.9		9.8				
		50									RS 74	FeSz
(556-575.8) Highly fract T to. Fracts healed with VFeSz. Numerous blebs of Bn mineral in FeSz healed fract. zones at ~560.	560		(556-575.8) Total FeSz 2-4% mostly in fracts. 60% of phenos have FeSz in centers. (567-573) Abund FeOx along high ∠ fract zone.									
(562') PE Schist frags, angular, ~2-7cm		50		556-575.8	19.8	18.8		7.2				
	570		(556-575.8) 60% of phenos have alt halos (Pyrrhotite to ~1%.)									
		~15	(575') Plag. phenos to ~7cm max.									

HOLE No. D88-68

BROHM MINING CORPORTION
DIAMOND DRILL HOLE LOG (Cont.)

LITHOLOGY, ALTERATION, MISC.	FT.	FRACTURE GRAPHIC LOG	MINERALIZATION	RECOVERY Run	Run length	Core	ANALYTICAL 6 in. Rod	4 in. Rod	Skeleton footage	ASSAY Au	Fractures Surface	Mineralization
(575.8-594.2) Ttp. R. mi characterized by increasing frac's (healed & broken) alteration and FeOx. Additionally PE schist frags become numerous. All xenoliths at PE are angular and ~ 3-7 cm.	575 580	F		575.8-594.2								
(589-597) High % fract. shear zone with abund FeOx. Fluuniaw along S.A. fracts spaby in and out along S.A.	590		(575.8-594.2) Total FeSz ~ 1-2%. Pyrrhotite ~ 1-2%. FeOx & FeSz: along fracts.		18.4	17.6		9.9				
(594.2-612.2) Ttp (594.2-601). Increasing fract & FeOx & PE xenoliths. Thxa (600-605) Thxa 80% PE schist with f.g. "groundmass". Possible Cdg frags?	600	F	(593-601) Heavy fract zone. Abund FeOx.									
(605-611) Ttp w/ numerous PE schist frags.	610	F	(600-605) FeSz <1%	594.2-612.2	18.0	~16.1		4.0				
(612.2-624) Ttp & Thxa. Rmi characterized by heavy fracturing, abund PE schist frags in Ttp and intervals of Thxa.		Thxa Ttp	(612.2-624) Abund FeOx in fracts. Total FeSz. <1%. FeOx dissem and locally in mottled surface staining		11.8	10.6		2.3				
(616-642.8) Thxa. Interval characterized by severely fract Thxa. 98% of Thxa is PE schist frags ~ 3-7 cm angular with a dark matrix material.	620	Thxa	(616-642.8) Pervasive FeOx along fracts & shear zones. FeSz <1%. FeOx mostly along abund. (possible ox FeSz x-tals?) very minor arsenal mineral fracs. Thunderbolt interval	612.2-642.8	10.8	9.4		0.6				
(630) Small (15 cm) irregular lense of Ttp in PE schist hx.	630 Ttp			642.8-648.9	14.0	13.4		2.6				
	640											

HOLE No. D88-68

BROHM MINING CORPORTION
DIAMOND DRILL HOLE LOG (Cont.)

LITHOLOGY, ALTERATION, MISC.	FT.	FRACTURE GRAPHIC LOG	MINERALIZATION	RECOVERY Run	Run length	Core	ANALYTICAL 6 in. Rod	4 in. Rod	Skeleton footage	ASSAY Au	Fractures Surface	Mineralization
	645	Thxo. (PE)										
(648.8-666.6) Extremely fract. Thxo. Run characterized by extreme fracturing, shearing at mostly PE Schist & thru alt. trans of Thxo. throughout. Fractures are 1/2-10 cm subangular and cemented with FeOx & clay adjacent Thxo trans becoming more rounded from 667-666'.	650		(648.8-666.6) 1-2% FeOx & clay dauine. A/a FeSz observed. Orn. mineral throughout run 2%. FeOx changes in color from maroon to yellow-orange to greenish brown.	648.8-666.6	17.8	18.2		—				
Overal PE clasts 80-90%, matrix 10-20%. PE trans mostly unaltered.	660											
(666.6-687') Run characterized by lightly fract. PE Schist (schistosity 45° to CA. (666.6-670) heavy fract. rapidly becoming less pronounced with depth. Some disruption of schistosity by healed fracts, fracturing and folding of schist. Overall, disruption becomes less pronounced at 687-end of run.	670	75 PE 75 70	(666.6-687) Minor FeOx along healed fract. Minor FeSz in healed fracts	666.6-687	20.4	18.5		12.0			PR54 PS54 PS54	FeOx, clay? FeSz? FeOx-FeSz FeOx-
	680											
(682') Schistosity 45° to CA.												
(687') Schistosity 45° to CA.												
687' - 782' Rotary drilled.	690		Rotary drilled									
	700											
	710											

HOLE No. D88-68

BROHM MINING CORPORTION
DIAMOND DRILL HOLE LOG (Cont.)

LITHOLOGY, ALTERATION, MISC.	FT.	FRACTURE GRAPHIC LOG	MINERALIZATION	RECOVERY			ANALYTICAL					
				Run	Run length	Core	6 in. Rod	4 in. Rod	Skeleton footage	ASSAY Au	Fractures Surface	Mineralization
Continued	720											
	730											
	740											
	750											
	760											
	770											
	782											
(787 - 792') Description: Alpyt Ag.												

HOLE No. D88-68

BROHM MINING CORPORTION
DIAMOND DRILL HOLE LOG (Cont.)

LITHOLOGY, ALTERATION, MISC.	FT.	FRACTURE GRAPHIC LOG	MINERALIZATION	RECOVERY: Run	Run length	Core	ANALYTICAL: 6 in. Rod	4 in. Rod	Skeleton footage	ASSAY Au	Fractures Surface	Mineralization
(782-796.4) Tafo silicified very / lightly fractured characterized by competent, pervasively silicified Tafo. Silica in groundmass is pale olive green and darkens overall rock color when inf. Very little FeS2 replacing centers of phenos - mostly disseminated in groundmass. / Note: Photos start with photo #8	790		(787-796.4) Dissem. FeS2 ~1%. Minor FeS2 healed fracts. Traces of Fluorite.	782-796.4	14.4	14.0		14.5				
(796.4-816.4) Tafo. Run same litho. as above. 95% of fracts appear drilling induced. Most tolerable structures and are random.	800		(796.4-816.4) Total FeS2 <1%. Most dissem. in groundmass.	796.4-816.4							IR Sl.	Very minor sulfide material along some fracts.
(800.?) Xenolith of finer grained Tafo porphyry (~15 cm dia.). Spotty / dark green mineral dissem. in / xenolith.												
Note: Last photo of run: #9			(809) Trace of purple fluorite.		20.0	19.7		18.2				
(817.2-834.1) Tafo silicified. All fracts drilling induced. Rock is extremely competent.	820		(817.2-834.1) FeS2 ~2% dissem. in groundmass & phenos.	817.2-834.1								
Hole caving severely - slow drilling. Hole abandoned at 834.1'.	830				16.9	16.8		16.8				
		834.1 T.D.										
	840											
	850											

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

BROHM MINING CORP.
MR. JIM BARRON
P.O. BOX 485
DEADWOOD, SD
57732

+ + + + +

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0265 (COMPLETE)

REFERENCE INFO: NONE LISTED

CLIENT: BROHM MINING CORP.
PROJECT: NONE LISTED

SUBMITTED BY: J. BARRON
DATE PRINTED: 30-MAR-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	23	0.02 OPT		
2	Au	Gold	23	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	23	2 -150	23	Assay Prep	23

REPORT COPIES TO: MR. JIM BARRON
MR. JIM BARRON

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0265

PROJECT: NONE LISTED PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Au OPT
D2 D88-68-454.3-455.9		0.06	0.045
D2 D88-68-458-459		0.04	0.044
D2 D88-68-461.5-463		0.06	0.055
D2 D88-68-465.1-466		0.09	0.061
D2 D88-68-469.2-471		0.09	0.024
D2 D88-68-473-474.1		0.07	0.031
D2 D88-68-476.9-478.2		0.07	0.051
D2 D88-68-480.8-482.6		0.06	0.052
D2 D88-68-486.2-487.7		0.22	0.043
D2 D88-68-491-493		0.07	0.054
D2 D88-68-495.5-497		0.04	0.064
D2 D88-68-499.5-501.7		0.06	0.043
D2 D88-68-504-507.7		0.15	0.055
D2 D88-68-513.4-514.6		<0.02	0.035
D2 D88-68-517.1-518.6		0.03	0.062
D2 D88-68-521.5-523		0.03	0.049
D2 D88-68-526.1-529.8		0.03	0.086
D2 D88-68-529.8-532		0.09	0.033
D2 D88-68-534.5-536.2		0.04	0.035
D2 D88-68-538.6-539.2		0.03	0.059
D2 D88-68-542.2-544		0.03	0.038
D2 D88-68-546.5-548		0.06	0.081
D2 D88-68-553-554.1		0.07	0.035

BONDAR-CLEGG

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

Invoice : 13950, Page 1

BROHM MINING CORP.
MR. JIM BARRON
P.O. BOX 485
DEADWOOD, SD
57732

Date : 30-MAR-89

Report No: 499-0265
Project : NONE LISTED
Reference: NONE LISTED

---

23 Analyses of Au/Ag Assay Gold Silver	at $ 8.25	$ 189.75	$ 189.75
Sample Preparation			
23 Samples of Assay Prep	at $ 3.00	$ 69.00	
Subtotal		$ 69.00	$ 69.00
Miscellaneous Charges			
4% S.D. STATE SALES TAX		$ 1.84	
2% DEADWOOD CITY SALES TAX		$ 0.92	
Subtotal		$ 2.76	$ 2.76
Invoice Total:			$ 261.51 U.S.

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BC
BONDAR-CLEGG

Geochemical Lab Report

BROHM MINING CORP.
MR. JIM BARRON
P.O. BOX 485
DEADWOOD, SD
57732

+ + + + +

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0266 (COMPLETE)

REFERENCE INFO: NONE LISTED

CLIENT: BROHM MINING CORP.
PROJECT: NONE LISTED

SUBMITTED BY: J. BARRON
DATE PRINTED: 3-APR-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	40	0.02 OPT		
2	Au	Gold	40	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	40	2 -150	40	Assay Prep	40

REPORT COPIES TO: MR. JIM BARRON
MR. JIM BARRON

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BC
BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0266

PROJECT: NONE LISTED PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Au OPT
D2 D88-68-557.5-559.3		0.03	0.060
D2 D88-68-561.3-562.6		0.03	0.110
D2 D88-68-565.1-566.4		0.10	0.584
D2 D88-68-569-571.6		0.16	0.088
D2 D88-68-573.9-575.4		0.03	0.086
D2 D88-68-577.7-579		0.04	0.087
D2 D88-68-581.5-582.7		0.04	0.080
D2 D88-68-585.5-587		<0.02	0.066
D2 D88-68-589-590.8		0.07	0.021
D2 D88-68-593-594.2		0.04	0.038
D2 D88-68-596.5-598.2		0.06	0.035
D2 D88-68-600.7-601.9		0.03	0.009
D2 D88-68-604.9-606		0.09	0.027
D2 D88-68-608.4-610		0.10	0.043
D2 D88-68-612.2-613.5		0.07	0.014
D2 D88-68-615.7-616.3		0.15	0.014
D2 D88-68-618.8-620		0.04	0.016
D2 D88-68-626-627.3		0.09	0.003
D2 D88-68-629.7-631.3		0.07	0.003
D2 D88-68-634.8-636.6		0.07	0.003
D2 D88-68-639-640.6		0.07	0.005
D2 D88-68-642-643		0.09	0.007
D2 D88-68-645.4-646.7		0.06	0.010
D2 D88-68-648.8-650		0.07	<0.002
D2 D88-68-652.653.4		0.06	0.024
D2 D88-68-656-657		0.06	0.043
D2 D88-68-659.3-660.4		0.06	0.008
D2 D88-68-662.4-664		0.05	0.012
D2 D88-68-666.6-668.2		0.09	0.008
D2 D88-68-670.8-672.9		<0.02	0.009
D2 D88-68-675.2-676.7		<0.02	<0.002
D2 D88-68-679-680.7		<0.02	<0.002
D2 D88-68-683.3-685		0.04	<0.002
D2 D88-68-774.6-775.4		<0.02	0.025
D2 D88-68-784.7-786.5		<0.02	0.010
D2 D88-68-788.7-789.4		0.03	0.042
D2 D88-68-792.2-793.5		0.09	0.049
D2 D88-68-796.4-797.7		0.22	0.212
D2 D88-68-800.6-802.2		0.06	0.020
D2 D88-68-804.8-806.8		0.06	0.061

BROWN MINING CO.
APR - 3 1989
RECEIVED

RECEIVED
APR - 6 1989
BROHM MINING CO.

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

BROHM MINING CORP.
MR. JIM BARRON
P.O. BOX 485
DEADWOOD, SD
57732

+ + + + +

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0267 (COMPLETE)

REFERENCE INFO: NONE LISTED

CLIENT: BROHM MINING CORP.
PROJECT: NONE LISTED

SUBMITTED BY: J. BARRON
DATE PRINTED: 6-APR-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	6	0.02 OPT		
2	Au	Gold	6	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	6	2 -150	6	Assay Prep	6

REPORT COPIES TO: MR. JIM BARRON
MR. JIM BARRON

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0267

PROJECT: NONE LISTED

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Au OPT
D2 D88-68-809.2-810.3		0.19	0.022
D2 D88-68-812.7-813.7		0.07	0.024
D2 D88-68-820-821.2		0.03	<0.002
D2 D88-68-823.7-824.8		0.20	0.034
D2 D88-68-827-828.8		0.33	0.065
D2 D88-68-831.5-834.1		0.17	0.494

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

BROHM MINING CORP.
MR. JIM BARRON
P.O. BOX 485
DEADWOOD, SD
57732

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 098-1461 (COMPLETE)

REFERENCE INFO: NONE LISTED

CLIENT: BROHM MINING CORP.
PROJECT: NONE LISTED

SUBMITTED BY: J. BARRON
DATE PRINTED: 16-NOV-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	21	0.002 OPT		Fire Assay
2	Au	Gold	2	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	21	2 -150	21	Assay Prep	21

REMARKS: FINAL RESULTS ARE REPORTED.

2 SEPARATE ASSAY RESULTS REPORTED FOR TWO SAMPLES.

REPORT COPIES TO: MR. JIM BARRON
MR. JIM BARRON

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 098-1461

PROJECT: NONE LISTED

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au OPT	x	
D2 D88-68-15-20		1.018	1.220	1.119	ROTARY CUTTINGS FROM CORE RIG
D2 D88-68-35-40		0.497			
D2 D88-68-55-60		0.127	0.173	0.150	
D2 D88-68-75-80		0.043			
D2 D88-68-95-100		0.021			
D2 D88-68-115-120		0.062			
D2 D88-68-135-140		0.034			
D2 D88-68-155-160		0.025			
D2 D88-68-175-180		0.043			
D2 D88-68-195-200		0.016			
D2 D88-68-215-220		0.011			
D2 D88-68-235-240		0.010			
D2 D88-68-255-260		<0.002			
D2 D88-68-275-280		0.009			
D2 D88-68-295-300		0.022			
D2 D88-68-315-320		0.216			
D2 D88-68-335-340		0.059			
D2 D88-68-355-360		0.037			
D2 D88-68-395-400		0.026			
D2 D88-68-415-420		0.018			
D2 D88-68-435-440		0.038			

DATE 11-1-88 **Luisier Well Drilling, Inc.** DRILLER Rich

HOLE NO. DB8-68 HELPER Tex

BIT SIZE 10" & 8 5/8" hammer SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH		WATCH TIME	REMARKS
			8:00	start shift pick up the
			45 min	rest of equip. fill water truck
			9:00	get set up to mud hole
			9:30	pull pipe no success
		1hr	10:00	mud hole
			11:00	Move to next site
			11:50	Wait for blast
			12:35	set up unload equip
		45 min	2:30	get 9" pipe & water get set up to drill 10" hole
			3:15	Drill 10" hole
			4:55	set 9" pipe drive pipe to bottom
			6:15	make tee for 9" pipe
			7:20	put 8 5/8 hammer on hammer
			8:30	Drill to 60' put on tee & End shift

11 water 1 foam

5 bags mud

DATE 11-1-2-88

Luisier Well Drilling, Inc.

DRILLER Rich Dan

HOLE NO. D88-68

HELPER DAVE

BIT SIZE 10" 8 8⅝"

SAMPLER Jim

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH		WATCH TIME	REMARKS
			8:00	start shift put on tee
4	60-	80	8:59-9:13	State Drilling 75' dark grey
5	80	100	9:13-9:29	fix rotation motor loose
6	100	120	10:44-11:00	
7	120	140	11:00-11:26	
8	140	160	11:26-11:40	
9	160	180	1140-	1210 - pull Rods
10	180	200	1:50	End Shift
11	260	220		
12	220	240		
13	240	280		
14	280	300		
15	300	320		
16	320	340		
17	340	360		
18	360	380		
19	380	400		
20	400	420		
21	420	440		
22	440	460		
23	460	480		
24	480	500		

DATE 11-2-88

Luisier Well Drilling, Inc.

DRILLER Rick

HOLE NO. D88-68

HELPER Tex

BIT SIZE 8 5/8"

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM 11

ROD NO.	DEPTH		WATCH TIME	REMARKS
	30 min		8:00	Start shift get load of water
	170	190	11:15-11:20	
	190	210	11:56-12:13	
	210	230	12:13-12:30	
	230	250	12:30-12:42	
	250	270	12:42-12:59	
	270	290	12:59-1:25	
	290	310	1:25-1:52	
	310	330	1:52 2:21	
	330	350	2:21-2:55	
	350	370	2:55-3:23	
	370	390	3:23-3:45	
	390	410	3:45-4:30	
	410	430	4:30-5:05	
	430	450	5:05-5:52	5:30 get load of water 6:30 1 hr
	~~450-452.5~~		5:52-6:00	stop drilling at 452.5 clean hole
	452.5		6:15	pull rods
			8:00	Helper + Sampler off shift +
			10:00	Rick End his Sh. +

1 1/2 hrs water

Barrel C bit #1575-01

Barrel R 1575-00

Luisier Well Drilling, Inc.

DATE 11-2-88 to 11-3-8

HOLE NO. D88-68

BIT SIZE 6"

DRILLER DAN

HELPER Dave

SAMPLER Jim

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
	452.5	8:00	Start Shift
H	452.5 to		Start Core Barrel to Bottom
Hr.		9:00	Go for Water 9:00 to 10:00
	453 to	9:25	Start Coring Barrel H
H	461	10:30	Add Rod
	452 to 472	11:35	Clean Hole Pull Rods
			452 to 472 Full Run 20 Ft.
		12:36	Change to Barrel C new Bit
C	472 to 489.5	1:20	Start Coring Barrel C
1 Hr.		3:20	Go for Water 3:20 to 420
	472 To 489.5	4:00	Clean Hole Pull Rod
			472-489.5 Run 17.5 Ft
		4:55	Change Barrel To H
		5:49	Start Coring
	489.5 To 509.5		Barrel H 489.5 to.
		6:20	Went for Fuel and water 620 to 710
R	509.5	7:48	End off Run
		8:00	Shift over.

WATER - 2 hr 50 min

57.5 Ft off Core

DATE 11-3-88

Luisier Well Drilling, Inc.

DRILLER Rich

HOLE NO. D88-68

HELPER Tex

BIT SIZE 6" core

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	start shift pull rod
		9:15	service rig change barrels
		10:45	run rods
		12:00	pull rods change bits
		1:15	empty barrels
		2:00	run rods
	501'	2:40	drill over stick up
C	509.5'	3:10	pull rod
		4:20	run rods
		~~5:22~~	
R	511'	5:22	start coring
19.9'	530.9	7:28	end run blow hole
		6:00	get load of water
	1 hr	7:00	pull rods
		8:00	end shift

29.9' core

1 hr. Water

on barrel C

Luisier Well Drilling, Inc.

DATE 11-3-88 to 11-4-88

HOLE NO. D88-68

BIT SIZE 6" core

DRILLER DAN

HELPER DAVE

SAMPLER Jim

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
	520.9	8:00	Start Shift pull Rods Core Barrel empty
	511.to 520.9	9:18	Change to old Bit and Fish core
		1:53	Empty Core Barrel
C	530.9	3:00	Start Core Barrel C
	541	6:01	Plugged Barrel Pull Rods
		3:00	Went For water to 3:00 to 4:00
		6:30	Go For Water 6:30-7:30
		6:38	Change oil in ~~Rig~~ Generator
		8:00	End Shift

Water 2 hrs

13.1' core

DATE 11-4-88

Luisier Well Drilling, Inc.

DRILLER Rich

HOLE NO. D88-68

HELPER Tex

BIT SIZE 6" core

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH		WATCH TIME	REMARKS
			8:00	start shift fix breakout & pull rods
			9:15	empty barrel & fix tee
			10:00	run rods
R	541'		10:56	start coring
15'	556'		12:56	
		1hr	12:15	get load of water 1:15
			1:05	pull rods
			1:45	Empty barrel
			2:30	run rods
C	556'		3:45	start core new bit #1572-01
19.8	575.8		5:30	end run
			6:30	empty core barrel
			6:45	run rods & service rig
			8:00	end shift

Matrix cracked on bit # 1525-00
put on gold bit # 1572-01
on barrel C 34.8' core

DATE 11-4-88 to 11-5-88 **Luisier Well Drilling, Inc.** DRILLER DAN

HOLE NO. D88-68 HELPER DALE

BIT SIZE 6" SAMPLER Jim.

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
	575.8	8:00	Start Shift check oil in Rig
		8:50	Went for water 8:50 9:50
R	575.8	8:53	Start Coreing 575.8 to
	594.2	11:30	Plug Barrel Pull Rod ~~to~~ run over
		9:50	Empty Stuck Core out of C
C	594.2	1:26	Start Core Barrel C
	612.2	6:00	Plugged Barrel Run over
		5:00	Went for water 5:00 to 6:00
		6:15	Change Barrel To R
		7:30	Service Generator check Rig
		7:40	Empty Core Barrel C
		8:00	End Shift

Water 2 hrs

38 Ft of Core

DATE 11-5-88

Luisier Well Drilling, Inc.

DRILLER Rick

HOLE NO. D88-68

HELPER Tex

BIT SIZE 6" core

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	start shift run rods
R	622.2'	9:41	start coring get bad of water 10:45
11.8'	624'	11:59	barrel blocked
1hr.		~~10:58~~	
		12:05	pull rods
		1:00	change barrels run rods
		2:00	fix tee & drill rods
		3:00	ream to bottom new reaming
			shell barrel C
			ream 182'
C	624'	5:14	start coring
	634.8	6:54	end run
		7:05	pull rods
		7:15	service rig
		8:00	end shift

reaming shell # 575-01 on red list

on barrel C

22.6' core

Luisier Well Drilling, Inc.

DATE 11-5-88 to 11-6-88

HOLE NO. D88-68

BIT SIZE 6"

DRILLER DAN

HELPER DAVE

SAMPLER JIM

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
	634.8	7:30	Start Shift
		8:00	Pull Rods 624 to 634.8
		8:30	Go For water 1 hr.
		9:45	Change Core Barrel to R
		10:30	Work on Leaky Fittings
R	634.8	11:37	Start Core
	648.8	2:00	Runover pull Rod
		11:40	Empty CoreBarrel C
		3:02	Change Barrel to C
C	648.8	4:15	Start Core Barrel C
	666.6	7:30	Barrel Pluged Pull Rod
		5:00	Went For Water 1 Hr.
		5:00	Empty Core Barrel R.
		6:15	Went For 6 more Rods

Water

31.8' core

DATE 11-6-88

Luisier Well Drilling, Inc.

DRILLER Rich

HOLE NO. DSS-68

HELPER Alex

BIT SIZE 6" core

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	start shift pull rods
		9:00	run rods
		10:00	fix ties
R	666.6	11:30	start coring
20.4	687	1:45	end run pull rods
		2:42	empty core barrel
		3:00	get stabilizer from town
		5:00	cut tube off of stabilizer
		1 hr.	& load of water 6:00 return
		8:00	back fill hole to 460'
			End shift

Barrel C matrix starting to crack on red bit #1575-01 but on gold bit #1572-00

Luisier Well Drilling, Inc.

DATE 11-6 to 11-7-88

HOLE NO. D48-68

BIT SIZE 6"

DRILLER DAN

HELPER DAVE

SAMPLER JIM

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	Start Shift
		12:00	Back Fill Hole To 460 Ft
		3:00	Finish Back Fill
		345	Cleanout Truck
		4:00	End Shift

DATE 11-7-88

Luisier Well Drilling, Inc.

DRILLER Rich

HOLE NO. D88-68

HELPER Lex

BIT SIZE ~~[illegible]~~ 8 5/8

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM ///

ROD NO.	DEPTH		WATCH TIME	REMARKS
			8:00	start shift service rig
			8:15	get set up to drill 8 5/8 hole
			9:00	get survey winch to measure hole
			9:45	put in 10' more of crushed rock
			10:00	run rods
			10:45	reweld tee & stuffing box
			12:15	start reaming hole to 8 5/8"
	452'			
	690		3:45	
	690	710	3:45	
			4:00	out of water wait for Kettle
			7:00	get water
	1 hr.		8:00	return with water truck
	705	710	8:30-8:50	
			~~8:50~~	
			9:00	End shift

DATE 11-7-8-88

Luisier Well Drilling, Inc.

41 RODS

DRILLER Keith-Dan

HOLE NO. D88-68

HELPER DAVE

BIT SIZE 8 5/8

SAMPLER Jim

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH		WATCH TIME	REMARKS
			8:00	Start Shift
			10:00	Went For Water 10:00 to 11:30
	710	730	8:50	
	730	250	9:39	
	750	770	10:30	
	770	~~790~~ 782	11:23	
			12:00	pull rods
			1:00	remove tee for 8 5/8 bit
R	~~781~~		2:50	~~START CORING~~
			~~6:00~~	~~Went for water 6:00 7:00~~
R	782		2:50	Start Core
	796	.4	7:36	Barrel Plug Pull Rod 15.4 Ft
				Went For Water 6:00-7:00
			8:00	End Shift

5 gal foam

Water 2½ hrs

DATE 11-8-88

Luisier Well Drilling, Inc.

DRILLER Rich

HOLE NO. D88-68

HELPER Tex

BIT SIZE 6" core

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	start shift pull rods
		9:00	~~[illegible]~~ core stuck in barrel
		9:30	run rods 19' of garbage in hole
C	796.4	11:30	Start coring
17.6'	814'	4:12	break core & clean hole
		4:15	pull rods
		5:15	barrel empty break apart stabs & hammer
		6:00	run rods
		7:00	change control for hold-back on rig
		7:15	drill over stuck up 25' of sluff
	~~[illegible]~~ 814'	8:00	start run Cancel shift

DATE 11-8 to 11-9-88 **Luisier Well Drilling, Inc.** DRILLER Dan

HOLE NO. D8X-68 HELPER Dave

BIT SIZE 6" SAMPLER Jim

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH		WATCH TIME	REMARKS
	814		8:00	Start Shift
	816	4	9:00	End Run, Clean Hole, Pullout
	800 to	816	9:12	Core Barrel ~~[illegible]~~ stuck in hole
	740	816		Free it, clean Hole 740 to 816
	740 to	816	12:30	Clean Hole, Barrel Sticking
C	816	4	2:10	Start Core Barrel C
	816	8	4:00	Stop Drilling try Cleaning Hol
			3:00	Work on water injection
			4:30	Go For water and Rod
	816	8	600	Start Core
	817	2	700	Start Drill Pull Rods Brake Shoe
			8:00	End Shift

DATE 11-9-88

Luisier Well Drilling, Inc.

DRILLER Rich

HOLE NO. D8868

HELPER Tex

BIT SIZE 6" core

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	start shift pull rods
		8:30	broken lifter change boards
			and oil in head
	1 hr	9:15	run rods get water 10:15
	15'		15' of sluff in hole
C.	8172	10:42	start coring
19.6	8368	4:36	
		4:50	pull rods
		5:50	barrel empty change lifters
	1 hr 45 min	6:00	get water 7:45 return run rods
	30"	7:15	drill over stick up 20' 30' cuttings
		8:30	break core and end shift

DATE 11-9 to 11-10-88 **Luisier Well Drilling, Inc.** DRILLER DAN

HOLE NO. D88-68 HELPER DAVE

BIT SIZE 6" SAMPLER Jim

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH		WATCH TIME	REMARKS
	836	8	8:00	Start Shift
			8:30	Pull Rod
			10:11	Change to Barrel C
			11:30	Start Core
			11:45	Bit Stuck Air Plugged off
			12:00	Try Booster To Break air Loose No Go
	836	8	1200 to 200	Work Barrel up and down about 10 feet of Movement
				Still Have Rotation
			2:10	Movement of Barrel down to about
				2 feet up and down Rotation getting
			3:30	Stiffer using Full power To Rotate
			4:15	No more Movment up or down
				Rotation beginning To stick
			5:00	Sent Dave to get Keith
			5:10	Last Rotation Keith not here yet
			5:25	Keith arrived
			535	Keith unscrewed Rod to try
				to Clean Top of Core Barrel
				But unscrewed to fare up wont Clean
			10:00	Give up end shift

DATE 11-10-88

Luisier Well Drilling, Inc.

DRILLER Rich

HOLE NO. D88-68

HELPER Tex

BIT SIZE 6"

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH		WATCH TIME	REMARKS
			8:00	start shift stuck in hole
				fix rotation motor and head.
			11:15	hard surface core barrel R
			12:15	~~End shift~~ rig maintenance
			7:00.	End shift

DATE 11-15-88

Luisier Well Drilling, Inc.

DRILLER Rick

HELPER Alex

SAMPLER Bob

HOLE NO. 088-68

BIT SIZE

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	start a lift drain some oil from comp. water in oil
		9:30	get set up for Langs booster
		11:00	hook up booster to tri and unload the hole
		11:30	booster at 1000 psi try to get rock broke loose no success
		1:00	drain oil in comp. and service rig.
		4:30	End shift

DATE 11-16-88 **Luisier Well Drilling, Inc.** DRILLER Rick Dan

HOLE NO. D88-68 HELPER Tim - Dave

BIT SIZE _____ SAMPLER Bob - Jim

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
		8:00	~~change~~ put oil in comp
		9:45	try to get drill rods out
			no success
		11:00	try and get weight to end of
			rods
			stops at 270' try something
			smaller.
		12:30	get ready to blast drill rods
		2:00	booster will only go to
			400' blast this
		2:30	blast did not break rods
		2:45	break joint 100' from surface
		3:00	move rest of equip to other
			site
	1hr	4:00	get set up to mud hole in
			the morning
		5:00	end shift

DATE 11-17-88

Luisier Well Drilling, Inc.

DRILLER Rick Wan

HOLE NO. 088-68

HELPER Jim Dave

BIT SIZE 10" & 8 5/8

SAMPLER Bob

QUICK GEL	QUICK TROL	QUICK FOAM

ROD NO.	DEPTH	WATCH TIME	REMARKS
	45 min	8:00	Fill water truck start shift
		8:45	fill hole 088-68 with mud
	20 bags		
		9:45	go for water
		10:45	return resume pumping mud
	5 bags	11:15	move to 088-67 to put more mud in it
		11:30	set up and pump mud
		12:00	move to hole 088-69
		12:15	set up to Drill 10' hole
		3:00	start 10" hole to 20
		4:15	set 10" pipe
		4:30	change bits 10" to 8 5/8
		5:00	set up blow off & tee
		7:00	End shift
			19'7" of 9" pipe

25 bags mud total
088-68 20 bags
088-67 5 bags

LAB. REPORT NO. _____

BONDAR-CLEGG INC.

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

SAMPLE SHIPMENT NOTICE

Date Shipped 11.3.85 Via _____ ☐ Prepaid or ☐ Collect

Parcels in Shipment _____ TOTAL NUMBER OF SAMPLES _____

GEOLOGIST'S NAME Jim Barron PHONE NUMBER 572-2107 PROJECT NAME OR NUMBER Eliot Cove

Samples Type	# Samples	Sample Numbers (Series)	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		DEB-68	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
		C-455	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 Samples on 20' composites

PLEASE INDICATE SAMPLE DISPOSITION

COARSE REJECTS

☐ DISCARD AFTER ANALYSIS COMPLETE

☑ RETURN-COD AFTER ANALYSIS COMPLETE — Bill w/ invoice —

☐ 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 Bechtel Mining
☑ Pulps Denver, CO
☑ Rejects 80237

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

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

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

CLIENT'S COPY

LAB. REPORT NO. 098-1461

BONDAR-CLEGG INC.

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

SAMPLE SHIPMENT NOTICE

Date Shipped 11/7/88 Via _____ ☐ Prepaid or ☐ Collect

Parcels in Shipment _____ TOTAL NUMBER OF SAMPLES _____

GEOLOGIST'S NAME J 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
Z	21	D88-68	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
		15-20, 35-40	Cu	55	Zn	60	Ag	75	Ni	80	Mn	Fe	Bi	95	U	100	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
		115-120, 135 140	Cu	155	Zn	160	Ag	175	Ni	180	Mn	Fe	Bi	195	U	200	F	Au	As	Hg	Sn	Sb	Ba	E spec	Neutron Activation	DCP	ore test
		215-220, 235	Cu	240	Zn	255	Ag	260	Ni	275	Mn	Fe	Bi	280	U	W	F	Au	As	Hg	295	Sb	Ba	E spec	Neutron Activation	DCP	ore test
		315-320, 335	Cu	340	Zn	355	Ag	360	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	395	Sb	Ba	E spec	Neutron Activation	DCP	ore test
		415-420, 435	Cu	Pb	Zn	460	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 VIM BARRON
☐ Invoices TROTHM
☐ Pulps _____
☐ Rejects _____

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

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

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

CLIENT'S COPY