48717.58 N

Contractor: TONTO | Coordinates: 26728.68E C20 | Project: PLANT. CONDEM. | Hole No.: R89-546

Drill Type: | Casing Depth: | State: SD | Sheet 1 of 4

Hole Size: | Bearing: — | Inclination: 90 | Date Started: 1-9-89 | Property: GILT EDGE

Collar Elev.: 5619.8 | Final Depth: 565' | Date Completed: | Hole Surveyed: NO DOWNHOLE

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, Veinlets, Replacement)	Type	Assay: Au	Ag
			50	3	0-5		Thtp	0-120 HORNBLEND TRACHYTE	0-25	OXIDE	tr	
											tr	
											tr	
											.005	
					20-25						tr	
				2					25-75	MIXED	tr	
											tr	
											.013	
											tr	
					45-50						tr	
											tr	
											tr	
											tr	
											tr	
					70-75						tr	
				1					75-120	SULFIDE tr-1% FeS_2	tr	
											tr	
											tr	
											tr	
					95-100						tr	
											tr	
											tr	
											tr	
											tr	
			36	2	120-125		Cdm	120-200 CAMBRIAN HORNFELS.	120-190	MIXED	.003	
											tr	
											tr	
											tr	
											.006	
					145-150						tr	
											tr	
											tr	
											tr	
											tr	
					170-175						tr	

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R88-546

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of 4

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	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlets, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			30	2	175-180		Cdn				tr	
											tr	
											tr	
				1					190 - 425	SULFIDE 1-2% FeS2	tr	
					195-200						tr	
			50				Thtp	200 - 225 HORNBLEND TRACHYTE			tr	
											tr	
											tr	
											tr	
					220-225						tr	
			30				Cdn	225 - 235 CAMBRIAN HORNFELS			.003	
											tr	
			50				Thtp	235 - 255 HORNBLEND TRACHYTE			.005	
											tr	
					245-250						tr	
											tr	
			30				Cdn	255 - 305 CAMBRIAN HORNFELS			tr	
											tr	
											tr	
					270-275						tr	
											tr	
											tr	
											tr	
											.029	
					295-300						tr	
											tr	
			50				Thtp	305-320 HORNBLEND TRACHYTE			.011	
											tr	
											tr	
			30		320-325		Cdn	320-375 CAMBRIAN HORNFELS			tr	
											tr	
											tr	
											tr	
											tr	
					345-350						tr	

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R89-546

Drill Type _____ Casing Depth _____ State _____ Sheet 3 of 4

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

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

Distance (feet)	Alteration (1 Weak, 2 Moderate, 3 Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Down Hole Location: Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement)	Mineralization: Type	Assay: Au	Assay: Ag
			30	1	350-355		Cdm				.008	
											.007	
											.004	
											.009	
					370-375						tr	
			50				Thtp	375 - 380 HORNBLEND PORPHYRY			tr	
			30				Cdm	380 — 395 CAMBRIAN HORNFELS	(380 - 390) 3-4% FeS2		.065	
											.020	
									(390 - 425) 1-2% FeS2		.008	
			40		395-400		Cdq	395 - 425 CAMBRIAN QUARTZITE			.015	
											tr	
											tr	
											tr	
											tr	
					420-425						.004	
			60	2			Tep	425 - 470 TRACHYTE PORPHYRY	425 - 515 MIXED		.003	
											.020	
											.005	
											.004	
					445-450						tr	
											tr	
											tr	
											.003	
											.004	
			40		470-475		Cdq	470 — 519 CAMBRIAN QUARTZITE			tr	
											.003	
											.008	
											.003	
											.004	
					495-500						.004	
											.006	
											.010	
											.009	
				1					515 — 550 SULFIDE 4-1% FeS2		.007	
			10		520-525		PC	519 - 550 PRECAMBRIAN SCHIST			.005	

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R89-546

Drill Type _____ Casing Depth _____ State _____ Sheet 4 of 4

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	525-530		PC				.008	
											tr	
											tr	
											tr	
					545-550						tr	
			20	2				550-555 PRECAMBRIAN CHERT	550-555 MIXED		tr	
			10	1				w Cdg ~ semi-auriferous in fine	555-565 SULFIDE		tr	
			1	1	560-565			555-565 PRECAMBRIAN SCHIST	tr-1% FeS		.007	
								-HOLE CAVED @ 565'				

DRILL CUTTING LOG

Logged by:

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: 499-0061 (COMPLETE)

REFERENCE INFO: NONE LISTED

CLIENT: BROHM MINING CORP.
PROJECT: NONE LISTED

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

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	60	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	60	2 -150	60	Assay Prep	60
				Pounds Overweight	419
				Sample Pickup	1

REMARKS: FINAL RESULTS ARE REPORTED.

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: 499-0061

PROJECT: NONE LISTED

SAMPLE NUMBER	ELEMENT UNITS Au OPT	SAMPLE NUMBER	ELEMENT UNITS Au OPT
D2 R89-546-0-5	<0.002	D2 R89-546-200-205	<0.002
D2 R89-546-5-10	<0.002	D2 R89-546-205-210	<0.002
D2 R89-546-10-15	<0.002	D2 R89-546-210-215	<0.002
D2 R89-546-15-20	0.005	D2 R89-546-215-220	<0.002
D2 R89-546-20-25	<0.002	D2 R89-546-220-225	<0.002
D2 R89-546-25-30	<0.002	D2 R89-546-225-230	0.003
D2 R89-546-30-35	<0.002	D2 R89-546-230-235	<0.002
D2 R89-546-35-40	0.013	D2 R89-546-235-240	0.005
D2 R89-546-40-45	<0.002	D2 R89-546-240-245	<0.002
D2 R89-546-45-50	<0.002	D2 R89-546-245-250	<0.002
D2 R89-546-50-55	<0.002	D2 R89-546-250-255	<0.002
D2 R89-546-55-60	<0.002	D2 R89-546-255-260	<0.002
D2 R89-546-60-65	<0.002	D2 R89-546-260-265	<0.002
D2 R89-546-65-70	<0.002	D2 R89-546-265-270	<0.002
D2 R89-546-70-75	<0.002	D2 R89-546-270-275	<0.002
D2 R89-546-75-80	<0.002	D2 R89-546-275-280	<0.002
D2 R89-546-80-85	<0.002	D2 R89-546-280-285	<0.002
D2 R89-546-85-90	<0.002	D2 R89-546-285-290	<0.002
D2 R89-546-90-95	<0.002	D2 R89-546-290-295	0.029
D2 R89-546-95-100	<0.002	D2 R89-546-295-300	<0.002
D2 R89-546-100-105	<0.002		
D2 R89-546-105-110	<0.002		
D2 R89-546-110-115	<0.002		
D2 R89-546-115-120	<0.002		
D2 R89-546-120-125	0.003		
D2 R89-546-125-130	<0.002		
D2 R89-546-130-135	<0.002		
D2 R89-546-135-140	<0.002		
D2 R89-546-140-145	0.006		
D2 R89-546-145-150	<0.002		
D2 R89-546-150-155	<0.002		
D2 R89-546-155-160	<0.002		
D2 R89-546-160-165	<0.002		
D2 R89-546-165-170	<0.002		
D2 R89-546-170-175	<0.002		
D2 R89-546-175-180	<0.002		
D2 R89-546-180-185	<0.002		
D2 R89-546-185-190	<0.002		
D2 R89-546-190-195	<0.002		
D2 R89-546-195-200	<0.002		

Bondar-Clegg, Inc.
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Geochemical Lab Report

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Lakewood, Colorado 80228
(303) 989-1404

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0064 (COMPLETE)

REFERENCE INFO: NONE LISTED

CLIENT: BROHM MINING CORP.
PROJECT: NONE LISTED

SUBMITTED BY: J. BARRON
DATE PRINTED: 27-JAN-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	51	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	51	2 -150	51	Assay Prep	51
				Pounds Overweight	500

REMARKS: FINAL RESULTS ARE NOW ALL REPORTED.

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: 499-0064

PROJECT: NONE LISTED

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 R89-546-300-305		<0.002
D2 R89-546-305-310		0.011
D2 R89-546-310-315		<0.002
D2 R89-546-315-320		<0.002
D2 R89-546-320-325		<0.002
D2 R89-546-325-330		<0.002
D2 R89-546-330-335		<0.002
D2 R89-546-335-340		<0.002
D2 R89-546-340-345		<0.002
D2 R89-546-345-350		<0.002
D2 R89-546-350-355		0.008
D2 R89-546-355-360		0.007
D2 R89-546-360-365		0.004
D2 R89-546-365-370		0.009
D2 R89-546-370-375		<0.002
D2 R89-546-375-380		<0.002
D2 R89-546-380-385		0.065
D2 R89-546-385-390		0.020
D2 R89-546-390-395		0.008
D2 R89-546-395-400		0.015
D2 R89-546-400-405		<0.002
D2 R89-546-405-410		<0.002
D2 R89-546-410-415		<0.002
D2 R89-546-415-420		<0.002
D2 R89-546-420-425		0.004
D2 R89-546-425-430		0.003
D2 R89-546-430-435		0.020
D2 R89-546-435-440		0.005
D2 R89-546-440-445		0.004
D2 R89-546-445-450		<0.002
D2 R89-546-450-455		<0.002
D2 R89-546-455-460		<0.002
D2 R89-546-460-465		0.003
D2 R89-546-465-470		0.004
D2 R89-546-470-475		<0.002
D2 R89-546-475-480		0.003
D2 R89-546-480-485		0.008
D2 R89-546-485-490		0.003
D2 R89-546-490-495		0.004
D2 R89-546-495-500		0.004
D2 R89-546-500-505		0.006
D2 R89-546-505-510		0.010
D2 R89-546-510-515		0.009
D2 R89-546-515-520		0.007
D2 R89-546-520-525		0.005
D2 R89-546-525-530		0.008
D2 R89-546-530-535		<0.002
D2 R89-546-535-540		<0.002
D2 R89-546-540-545		<0.002
D2 R89-546-545-550		<0.002
D2 R89-546-550-555		<0.002

Bondar-Clegg, Inc.
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BONDAR-CLEGG

Geochemical Lab Report

BROHM MINING CORP.
MR. JIM BARRON
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DEADWOOD, SD
57732

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

BC
BONDAR-CLEGG

Geochemical Lab Report

REPORT: 499-0063 (COMPLETE)

REFERENCE INFO: NONE LISTED

CLIENT: BROHM MINING CORP.
PROJECT: NONE LISTED

SUBMITTED BY: J. BARRON
DATE PRINTED: 26-JAN-89

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

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	2	2 -150	2	Assay Prep	2
				Excessive Wetness	16

REMARKS: FINAL RESULTS ARE REPORTED.

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: 499-0063

PROJECT: NONE LISTED

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 R89-546-555-560		<0.002
D2 R89-546-560-565		0.007

LAB. REPORT NO. _____

BONDAR-CLEGG INC.

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

SAMPLE SHIPMENT NOTICE

Date Shipped 1/10/89 Via _____ ☐ Prepaid or ☐ Collect

Parcels in Shipment _____ TOTAL NUMBER OF SAMPLES 2

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
RC	2	R9546	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
RC		55-565	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 Roth
☐ Pulps _____
☐ Rejects _____

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

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

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

CLIENT'S COPY

LAB. REPORT NO. _____

BONDAR-CLEGG INC.

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

SAMPLE SHIPMENT NOTICE

Date Shipped 1/10/89 Via _____ ☐ Prepaid or ☐ Collect

Parcels in Shipment _____ TOTAL NUMBER OF SAMPLES 51

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
	51	89-546	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
		90-555	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 Home
☐ Pulps _____
☐ Rejects _____

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

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

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

CLIENT'S COPY

LAB. REPORT NO. _____

BONDAR-CLEGG INC.

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

SAMPLE SHIPMENT NOTICE

Date Shipped 1/10/89 Via _____ ☐ Prepaid or ☐ Collect

Parcels in Shipment _____ TOTAL NUMBER OF SAMPLES 60

GEOLOGIST'S NAME JIM BARRON PHONE NUMBER _____ PROJECT NAME OR NUMBER _____

Samples Type	# Samples	Sample Numbers (Series)	ELEMENTS TO BE ANALYZED																						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			
DC	60	K89-546	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
Dry		1300	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 BROHM
☐ Pulps _____
☐ Rejects _____

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

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

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

CLIENT'S COPY

TONTO
ROTARY RIG REPORT

TIME SHEET # R090442

A. OPERATING RIG FUNCTIONS		A FOOTAGE CONTRACT RIG HOURS CLIENT	B FOOTAGE CONTRACT RIG HOURS TONTO	C HOURLY CONTRACT RIG HOURS CLIENT	D HOURLY CONTRACT RIG HOURS TONTO
1	Drill OB O to				
2	Drill OB to				
3	Set 7 Casing to 20'	1½			
4	DDH Rev. Circ. O to				
5	DHH Rev. Circ. 20' to 125		2¾		
6	DHH Rev. Circ. to				
7	Tricone Rev. Circ. O to				
8	Tricone Rev. Circ. to				
9	Tricone Rev. Circ. to				
10	Conventional DDH O to				
11	Convenional DHH to				
12	Conventional DHH to				
13	Conventional Tric. O to				
14	Conventional Tric. to				
15	Conventional Tric. to				
16	Rotary Core to				
17	Trip Rods (Bit) at 9 JTS		½		
18	Trip Rods (Other) at				
19	Pull Casing	¾			
20	Ream Rods / Casing				
21	Drill Sand / Cave / MUD	¾			
22	Condition Hole				
23	Survey Hole				
24	Log Hole				
25	Engineering Work				
26	Cement / Grout				
27	Recover Equipment				
28	Rig Up / Rig Down				
29					
30					
31	**TOTAL OPERATING TIME**	3	3¼		

B. NON-OPERATING RIG FUNCTIONS		RIG HOURS CLIENT	RIG HOURS TONTO	RIG HOURS CLIENT	RIG HOURS TONTO
32	Mob / Demob				
33	Move	½	(1)		
34	Water Supply				
35	Repairs				
36	Service / Maint.				
37	Delays – access				
38	– water				
39	– cement set				
40	– parts				
41	START AIR MOTOR		4½		
42	**TOTAL NON-OP TIME**	½	5¼		
43	**TOTAL RIG TIME**	3½	8½		

C. EXTRA LABOUR		MAN HOURS CLIENT	MAN HOURS TONTO	MAN HOURS CLIENT	MAN HOURS TONTO
44	Supervisor C. MEDLER		½		
45	Water Truck Dr.				
46	Sampler RON REED		12		
47	RON REED (FUEL)		½		
48	**TOTAL EXTRA LABOUR**		13		

MATERIALS CONSUMED E. (Specify quantities and types)		CHARGEABLE TO CLIENT F	CHARGEABLE TO TONTO G	OFFICE USE ONLY H
55	Gel (bags) SUR-GEL	7 BAGS		
56	Polymers			
57				
58	Foam (pails)			
59	Rock Oil (gal.)			
60	LCM			
61				
62	Cement (bags)			
63	Sample Bags			
64	Diesel (gal) 300			
F. MATERIALS LEFT IN HOLE (recovered)				
65	Drill Pipe ft.			
66				
67	Casing ft.			
68				
69				
G. OTHER MATERIALS CHARGEABLE TO CLIENT			QTY.	
70				
71				
72				
73				

H. A/R MATERIALS — Office Use Only

74	Length of Move	93	Hole Start Time
75	Length of Waterline/Haul		
76	Type of Splitter – Wet/Dry	94	Hole Finish Time

I. EQUIPMENT SUMMARY

77	Water Truck Mileage	# loads
78	Water Truck Hours	
79	Pipe/Boom Truck Usage (hrs)	
80		
81		

J. LABOUR SUMMARY		TRAVEL J	HRS. WKD K	L
	DRILLER I			
82	CLIFFORD MEDLER		12½	
83	RON REED		12½	
	HELPER			
84				
85				
	OTHER			
86				
87	**TOTAL MAN HOURS**		25	

Payroll Invoicing Cont. Sup.

REMARKS: REPAIR GROUND WIRES ON WATER TRUCK STARTER & FIRE START POWER PAC – TRIP OUT – FIRE ROD TRUCK – MOVE RIG & MUD HOLE – PULL CASING – MOVE TO # R89-546 SET CASING TO 20' & DRILL FROM 20' TO 125'

HOLE # M	Angle	SIZE N	FROM O	TO P	FOOTAGE Q	BIT S/N R	HAMMER S/N S	REAMER S/N T	HAMMER MOD. # U
49 R89-546	90	6"	20	125	125				1R36
50									
51									
52									
53									
54									

CLIENT APPROVAL: [signature]

TONTO APPROVAL: [signature]

88 **TOTAL FOOTAGE** 125	89	SHIFT: D A N G	91	DATE (D/M/YR) / / 8 / 87
CLIENT BROHM	90	RIG No. 008	92	JOB No. 804
LOCATION LEAD, S.D.				

R 090442

TONTO
ROTARY RIG REPORT

TIME SHEET # R090443

A. OPERATING RIG FUNCTIONS		A FOOTAGE CONTRACT RIG HOURS CLIENT	B FOOTAGE CONTRACT RIG HOURS TONTO	C HOURLY CONTRACT RIG HOURS CLIENT	D HOURLY CONTRACT RIG HOURS TONTO
1	Drill OB O to				
2	Drill OB to				
3	Set Casing to				
4	DDH Rev. Circ. O to				
5	DHH Rev. Circ. 125 to 545		12		
6	DHH Rev. Circ. to				
7	Tricone Rev. Circ. O to				
8	Tricone Rev. Circ. to				
9	Tricone Rev. Circ. to				
10	Conventional DDH O to				
11	Convenional DHH to				
12	Conventional DHH to				
13	Conventional Tric. O to				
14	Conventional Tric. to				
15	Conventional Tric. to				
16	Rotary Core to				
17	Trip Rods (Bit) at				
18	Trip Rods (Other) at				
19	Pull Casing				
20	Ream Rods / Casing				
21	Drill Sand / Cave				
22	Condition Hole				
23	Survey Hole				
24	Log Hole				
25	Engineering Work				
26	Cement / Grout				
27	Recover Equipment				
28	Rig Up / Rig Down				
29					
30					
31	**TOTAL OPERATING TIME**		12		

B. NON-OPERATING RIG FUNCTIONS		RIG HOURS CLIENT	RIG HOURS TONTO	RIG HOURS CLIENT	RIG HOURS TONTO
32	Mob / Demob				
33	Move				
34	Water Supply				
35	Repairs				
36	Service / Maint.				
37	Delays – access				
38	– water				
39	– cement set				
40	– parts				
41					
42	**TOTAL NON-OP TIME**		—		
43	**TOTAL RIG TIME**		12		

C. EXTRA LABOUR		MAN HOURS CLIENT	MAN HOURS TONTO	MAN HOURS CLIENT	MAN HOURS TONTO
44	Supervisor C. MEDLER		½		
45	Water Truck Dr.				
46	Sampler RANDY CONN		12		
47	RANDY CONN (FUEL)		½		
48	**TOTAL EXTRA LABOUR**		13		

E. MATERIALS CONSUMED (Specify quantities and types)		F CHARGEABLE TO CLIENT	G CHARGEABLE TO TONTO	H OFFICE USE ONLY
55	Gel (bags)			
56	Polymers			
57				
58	Foam (pails)			
59	Rock Oil (gal.)			
60	LCM			
61				
62	Cement (bags)			
63	Sample Bags			
64	Diesel (gal) 300			
F. MATERIALS LEFT IN HOLE (recovered)				
65	Drill Pipe ft.			
66				
67	Casing ft.			
68				
69				
G. OTHER MATERIALS CHARGEABLE TO CLIENT			QTY.	
70				
71				
72				
73				

H. A/R MATERIALS — Office Use Only			
74	Length of Move	93	Hole Start Time
75	Length of Waterline/Haul		
76	Type of Splitter – Wet/Dry	94	Hole Finish Time

I. EQUIPMENT SUMMARY		
77	Water Truck Mileage	# loads
78	Water Truck Hours	
79	Pipe/Boom Truck Usage (hrs)	
80		
81		

J. LABOUR SUMMARY	I	TRAVEL J	HRS. WKD K	L
	DRILLER			
82	CLIFFORD MEDLER		12½	
83				
	HELPER			
84	RANDY CONN		12½	
85				
	OTHER			
86				
87	**TOTAL MAN HOURS**		25	

Payroll Invoicing Cont. Sup.

REMARKS: DRILL FROM 125' TO 545'

	HOLE # M	Angle	SIZE N	FROM O	TO P	FOOTAGE Q	BIT S/N R	HAMMER S/N S	REAMER S/N T	HAMMER MOD. # U
49	R89-546	90	6"	125	545	420				IR360
50										
51										
52										
53										
54										

CLIENT APPROVAL: [signature]

TONTO APPROVAL: [signature]

88	**TOTAL FOOTAGE** 420	89	SHIFT: D A N G	91	DATE (D/M/YR) 1/9/89
	CLIENT BROHM	90	RIG No. 808	92	JOB No. 804
	LOCATION LEAD, S.D.				

R 090443

TONTO
ROTARY RIG REPORT

TIME SHEET # R 085588

A. OPERATING RIG FUNCTIONS		A FOOTAGE CONTRACT RIG HOURS CLIENT	B FOOTAGE CONTRACT RIG HOURS TONTO	C HOURLY CONTRACT RIG HOURS CLIENT	D HOURLY CONTRACT RIG HOURS TONTO
1	Drill OB O to				
2	Drill OB to				
3	Set 7" Casing to 60'	3 1/4			
4	DDH Rev. Circ. O to				
5	DHH Rev. Circ. 545 to 565		1/2		
6	DHH Rev. Circ. to				
7	Tricone Rev. Circ. O to				
8	Tricone Rev. Circ. to				
9	Tricone Rev. Circ. to				
10	Conventional DDH O to				
11	Convenional DHH to				
12	Conventional DHH to				
13	Conventional Tric. O to				
14	Conventional Tric. to				
15	Conventional Tric. to				
16	Rotary Core to				
17	Trip Rods (Bit) at				
18	Trip Rods (Other) at TD-565		1		
19	Pull Casing	3/4			
20	Ream Rods / Casing				
21	Drill Sand / Cave				
22	Condition Hole ~~[illegible]~~ 545	3/4			
23	Survey Hole				
24	Log Hole				
25	Engineering Work				
26	Cement / Grout Mud up Hole	1			
27	Recover Equipment				
28	Rig Up / Rig Down				
29					
30					
31	**TOTAL OPERATING TIME**	5 3/4	1 1/2		

B. NON-OPERATING RIG FUNCTIONS		RIG HOURS CLIENT	RIG HOURS TONTO	RIG HOURS CLIENT	RIG HOURS TONTO
32	Mob / Demob				
33	Move	3 3/4	1		
34	Water Supply				
35	Repairs				
36	Service / Maint.				
37	Delays – access				
38	– water				
39	– cement set				
40	– parts				
41					
42	**TOTAL NON-OP TIME**	3 3/4	1		
43	**TOTAL RIG TIME**	9 1/2	2 1/2		

C. EXTRA LABOUR		MAN HOURS CLIENT	MAN HOURS TONTO	MAN HOURS CLIENT	MAN HOURS TONTO
44	Supervisor R. Reed		1/2		
45	Water Truck Dr.				
46	Sampler Gary Reid		12		
47	Gene Jensen Field		1/2		
48	**TOTAL EXTRA LABOUR**				

E. MATERIALS CONSUMED (Specify quantities and types)		F CHARGEABLE TO CLIENT	G CHARGEABLE TO TONTO	H OFFICE USE ONLY
55	Gel (bags)	5 sx		
56	Polymers			
57				
58	Foam (pails)			
59	Rock Oil (gal.)			
60	LCM			
61				
62	Cement (bags)			
63	Sample Bags			
64	Diesel (gal) 200			
F. MATERIALS LEFT IN HOLE (recovered)				
65	Drill Pipe ft.			
66				
67	Casing ft.			
68				
69				
G. OTHER MATERIALS CHARGEABLE TO CLIENT			QTY.	
70				
71				
72				
73				

H. A/R MATERIALS — Office Use Only			
74	Length of Move	93	Hole Start Time
75	Length of Waterline/Haul		
76	Type of Splitter – Wet/Dry	94	Hole Finish Time

I. EQUIPMENT SUMMARY		
77	Water Truck Mileage	# loads
78	Water Truck Hours	
79	Pipe/Boom Truck Usage (hrs)	
80		
81		

J. LABOUR SUMMARY	I	TRAVEL J	HRS. WKD K	L
	DRILLER			
82	Ron Reed		12 1/2	
83				
	HELPER			
84	Gene Jensen		12 1/2	
85				
	OTHER			
86	Gary Reid		12 1/2	
87	**TOTAL MAN HOURS**		25 1/2	

Payroll Invoicing Cont. Sup.

REMARKS:
Drill 545-565 # 546
Move Rig Drill 0-60' 8" Hole

	HOLE # M	Angle	SIZE N	FROM O	TO P	FOOTAGE Q	BIT S/N R	HAMMER S/N S	REAMER S/N T	HAMMER MOD. # U
49	R 89-546	90	6"	545	565	20				IR 360
50		90	8"	0	60'	60				IR-360
51										
52										
53										
54										

CLIENT APPROVAL: Wally Robin

TONTO APPROVAL: R. Reed

88 **TOTAL FOOTAGE** 80'

CLIENT Bruhm

LOCATION Lead, S.D.

89 SHIFT: D A (N) G

90 RIG No. 008

91 DATE (D/M/YR) 10/1/89

92 JOB No. 804

R 00508