

ABITIBI-PRICE INC. MINERAL RESOURCES DIVISION

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE

HOLE NO. 269
PAGE NO. 1

DRILLING COMPANY		COLLAR ELEVATION 681.3		BEARING OF HOLE FROM TRUE NORTH		TOTAL FOOTAGE 1342		Depth (feet)		Dip -90		Azimuth (True)		Comments - core broken to 1" pieces down to 200' - EX Core		MAP REFERENCE NO.		CLAIM NO.	
DATE HOLE STARTED		DATE COMPLETED		DATE LOGGED May, 1984		LOGGED BY J.G. Thurlow										LOCATION (Twp., Lot, Con. OR Lat. and Long.) N4500 E13,200			
PLORATION CO., OWNER OR OPTIONEE		CORE SIZE EX		DISPOSITION OF CASING												PROPERTY NAME			

FOOTAGE		DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Core Recovery	Assays				
FROM	TO		From	To		Cu	Pb	Zn	As	Ag
0	27	Overburden								
27	74	Mafic tuff - foliated and sheared		109	30'					
		- some white and pink calcite veining	109	194	40'					
		- some possible intermediate tuffs	194	263	40'					
		- foliation 20-45° to core - defined by elongate chlorite specks	263	356	40'					
		- minor dissem. pyrite	356	445	40'					
		- contact not cored	445	606	40'					
74	80	Greenish grey felsic tuff - 1 mm quartz and plagioclase - hard silicified	606	741	40'					
		- sheared 35° to core	741	795	40'					
		- dissem. py. and several pyrite-sericite bands	795	856	40'					
		- contact not cored - may be gradational	856	901	40'					
			901	960	40'					
30	131	Lighter grey more strongly altered hard felsic rock - akin to o/c in river	960	1172	40'					
		- altered - silicification, sericitized in streaks - pyritized avg. 1-2%	1172	1342	40'					
		- local minor chalcopryrite veinlets - e.g. 85'	113	114	3"					
		- poor core recovery	114	117	1"					
		- at 105', 3 pieces of core of altered and silicified rhyolite in conformable contact with arkosic type of clastic rock	117	120	1"					
		- unit is dominantly rhyolitic, with more sericitic sections being tuffaceous	120	122	6"					
		- traces Pb-Zn locally	122	125	6"					
		- sericitic alteration dies out below 114'	125	128	9"					
		- below 114' mainly silicification and somewhat lesser pyrite	128	131	9"					
		- profolth is felsic tuff	131	136	6"					
		- at 131' - two pieces of intensely sheared rock	136	139	1.5"					
			139	142	8"					
131	646	Arkose - not altered or pyritic	142	145	8"					
		131-150' brownish pebble conglomerate								
		150- pinkish lithic arkose, medium grained, some pebbly								
		- minor epidote veining								
		- some fine sand-wacke beds								
		402-406' shear								

For footages such as foliation, bedding, schistosity, measured from the top edge of the core.

+ Additional credit available. See Assessment Work Regulations.

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.	PAGE NO.
269	2

Drilling Company						Collar Elevation		Bearing of Hole From True North	Total Footage	Depth (feet)	Dip	Altimuth (True)	Comments	EVERY PAGE	269	2
Date Hole Started	Date Completed	Date Logged	Logged By											MAP REFERENCE NO.	CLAIM NO.	
Exploration Co., Owner or Optionee				Core Size	Disposition of Casing									LOCATION (Twp., Lot, Con. OR Lat. and Long.)		
														PROPERTY NAME		

[illegible]

+ Additional credit available. See Assessment Work Requirements

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Page 1

Location 400' East of Power House

Direction Down Dip Vertical

Started March 24, 1938 Finished October 13, 1938

COORDINATES

N 4600 E 13,200

Elevation 681.3

Hole No. 269

Depth 1342

DESCRIPTION				CORE								SLUDGE							
SECTION		GENERAL	ECONOMIC	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe
From	To																		
		0'-27' Coarse gravel and small boulders to 1/2".																	
		27'-42' Fine sand and small boulders. Bedrock at 42'.	27'-74' Barren.																
42	43	42'-59' Sheared lava, light green, dip of shearing 90° to core. Few amygdules.		60															
43	45			100															
45	52			11															
52	59			35															
59	67	59'-74' Altered lava, light to dark green.		58															
67	74	Much pink-white calcite. Some calcite amygdules to 1/4".		41															
74	75	74'-79' Quartz porphyry, light green, quartz phenocrysts 1/8". Many quartz stringers.	74'-95' Slightly mineralized by pyrite.	36															
79	82	79'-86' Tuff, slightly altered.		73															
82	86			62	85'-95.3'														
86	89	86'-105' Tuff, silicified, part brecciated.	85'-85.3' Good copper mineralization.	63	17-955	Nil	Nil	1.1	Nil	Tr.	7.8								
89	95	Few pieces of brownish quartz porphyry		43															
95	100	101'-103'.	85'-125' Pyrite mineralization. (See assays of sludges)	36															
100	103			67															
103	110	103'-105' Tuff, silicified.		11															
110	115	105'-123' Quartz porphyry, gray-brown, silicified in parts. Quartz phenocrysts common.	125'-223' Barren.	30															
115	117			40															
117	120			57															
120	131	123'-131' Sediments, dark gray-brown.		33															
131	145	131'-219' Arkose, quartz porphyry like.		28															
145	152	Fragments 1/4" to 1/2".		90															
152	160			68															
160	163			53															
163	177			18															
177	194			29															
194	204			13															
204	210			20															
210	216			25															
216	222	219'-221' Sediments, fine grained, green.		32															
222	225	221'-223' Arkose, coarse grained.		73															
		222'-223' Light gray-green cementing material with fragments of red hematite to 1".																	

SIZE OF CORE		REMARKS
From	To	
1 1/4" From	42' To 45'	
1/2" From	45' To 1342'	
From	To	

Examined by _____
Approved by _____
Engineer
Manager

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Page 2

Location 400' East of Power House
Direction Down Dip Vertical
Started March 24, 1938 Finished October 13, 1938

COORDINATES
N 4500 E 13,200
Elevation 601.3

Hole No. 269
Depth 1342'

DESCRIPTION

CORE

SLUDGE

SECTION		GENERAL	ECONOMIC	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe
From	To																		
225	233	223'-261' Arkose, medium grained, brownish.	223'-445' Barren.	76															
233	240	Occasional fragments, up to 1 1/8", of fine		81															
240	248	grained sediments.		56															
248	257			97															
257	261			60															
261	270	261'-278' Arkose, hard and fresh. Frag-		100															
270	273	ments to 1/2", 261' to 275', and 1/2" 275' to		67															
273	278	278'.		90															
278	283			30															
283	307			35															
307	317			75															
317	327			15															
327	347	332'-402' Arkose, fine grained, brownish.		21															
347	359			18															
359	368			28															
368	380			93															
380	387			20															
387	398			30															
398	402	402'-406' Sediments, fine grained, green.		40															
402	406	No bedding.		52															
406	411	406'-408' Arkose with a few fragments of		40															
		amygdaloidal lava.																	
411	414	408'-419' Sediments, fine grained, green.		60															
414	419	Some bands of medium grained arkose.		90															
419	425	419'-445' Arkose, fine grained, brownish.		32															
425	430	Few 1/8" fragments.		24															
430	436			40															
436	442			25															
442	445			18															
445	453	445'-587' Arkose, brownish. Few pieces	445'-737' Barren	19															
453	464	of fine grained, green sediments at 587',		52															
464	478	dip of bedding 45° to core.		27															
478	489			41															
489	507	Sludge section 540'-545' and 555'-560'		12															
507	516	contained mud.		22															
516	520			10															
520	529			4															
529	541			15															

SIZE OF CORE

REMARKS

From To
1 1/4" From 42' To 45'
3/4" From 45' To 1342'
From To

Examined by _____ Engineer
Approved by _____ Manager

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Location 400' East of Power House
Direction Down Dip Vertical
Started March 24, 1938 Finished October 13, 1938

COORDINATES
N 4800 E 13,200
Elevation 681.5'

Page 3
Hole No. 269
Depth 1342'

DESCRIPTION

CORE

SLUDGE

SECTION		GENERAL	ECONOMIC	Core Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Core Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe
From	To																		
541	546			55															
546	566			11															
566	576			35															
576	581			22															
581	587			23															
587	592	587'-646' Arkose, Brownish gray. Core		22															
592	597	recovered is hard, yet recovery is low.		22															
597	610	Sludge sections 615'-620' and 645'-650'		14															
610	617	contained some mud.		9															
617	622			12															
622	632			11															
632	636			27															
636	646			12															
646	652	646'-737' Sediments, fine grained, green.		40															
652	656	Variable dip 30° to 60° to core 652'-664'.		66															
656	664	Dip of bedding 670'-700' 45° to 60° to core;		38															
664	670	700'-710' 30° - 60° to core; 710'-726' 90°		11															
670	675	to core; 728'-737' 70° to core. Narrow		13															
675	680	band of brownish in section 728'-737'.		57															
680	686			21															
686	687			71															
687	695			9															
695	700			37															
700	710			30															
710	718			21															
718	726			19															
726	736	737'-743' Arkose, medium to fine grained, <u>737'-807'</u> Barren.		51															
736	746	brownish.		93															
746	756	743'-746' Sediments, fine grained, green- brown, Dip of bedding 90° to core. 746'-756' Arkose, fine grained, brown, few narrow bands green sediments.		48															
756	766	756'-768' Sediments, fine grained, brown.		57															
766	768	No bedding		30															
768	771	768'-776' Sediments, fine grained, green.		80															
771	777	Dip of bedding 70° - 90° to core.		86															
777	779	776'-798' Arkose, medium grained, green-		26															
779	789	ish brown		85															
789	799			94															

SIZE OF CORE		REMARKS
From	To	
1 1/2"	From 42' To 45'	
1"	From 45' To 1342'	
	From To	

Examined by _____
Approved by _____
Engineer
Manager

Hole was cemented 0'-637' and drilled again with heavy type of drill.

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Page 4

Location 400' East of Power House

Direction Down Dip Vertical

Started March 24, 1938 Finished October 13, 1938

COORDINATES

N N4500 E 13,200

Elevation 681.3

Hole No. 269

Depth 1342'

DESCRIPTION

SECTION		GENERAL	ECONOMIC	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	
From	To																			
798	801	798'-850' Arkose, medium grained, reddish brown. Few fragments reddish amygdaloidal lava near 850'.		73																
801	810			87																
810	821			66																
821	827			93																
827	837			75																
837	845			32																
845	850		46																	
850	855	850'-907' Arkose, very coarse grained, reddish brown. Fragments of greenish-red sediments 1/4" to 4". Red rhyolite fragments to 1" common.		25																
855	860			20																
860	865			46																
865	868			57																
868	874			95																
874	884			100																
884	892		100																	
892	902		100																	
902	907		94																	
907	917	907'-935' Very coarse arkose, reddish brown fragments up to 2 inches. 1 foot bands of fine grained sediments at 912 and 932.		100																
917	924			90																
924	932			39																
932	937			80																
937	955	935'-954.5' Brownish medium grained arkose. Band of fine grained green sediments at 935 and 938'.		40																
955	959	954.5'-967' Heavy coarse reddish brown arkose. Shearing at 962'.		53																
959	967			45																
967	975	967'-982' Fine grained greenish black sediments and some fine grained gray brown arkose at 975'-982'.		7																
975	982			8																
982	987	982'-995' Alternating bands of fine grained green sediments and brownish fine grained arkose.		20																
987	995			32																
995	1003	995'-1019' Fine grained bedded sediments.		26																
1003	1011			26																
1011	1019			8																
1019	1027			12																
1027	1034	1027'-1055' Fine grained bedded sediments. Some shearing at 1052' 45° to the core.		6																
1034	1041			5																
1041	1048			14																

SIZE OF CORE		REMARKS
From	To	
1 1/4"	From 42' To 45'	
7/8"	From 45' To 1342'	
	From To	

Examined by A. A. McCloskey 0'-907'

Engineer

Approved by

Manager

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Page 5

Location 400' East of Power House
Direction Down Dip Vertical
Started March 24, 1938 Finished October 13, 1938

COORDINATES
N 4500 E 13,200
Elevation 681.8

Hole No. 269
Depth 1342'

DESCRIPTION

SECTION		GENERAL	ECONOMIC	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Core Rec. %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe
From	To																		
1048	1055			13															
1055	1061	1055'-1067' Fine grained bedded sediments		5															
1061	1069	standing 45° to core.		21															
1069	1072	1067'-1069' Alternate thin beds of gray sediments and light colored arkose in which core recovery is low.		100															
1072	1075	1069'-1075' Same as section 995'-1019'.		80															
1075	1083	1075'-1129' Alternating bands of fine	1075'-1129' Arkose bands show small	33															
1083	1091	grained dark gray sediments and fine	spots and stringers of fine grained	9															
1091	1101	grained gray arkose.	pyrite in small amounts.	15															
1101	1108			14															
1108	1116			21															
1116	1129			10															
1129	1138	1129'-1155' Fine grained arkose.		10															
1138	1140			12															
1140	1147			4															
1147	1155			4															
1155	1166	1155'-1172' Fine grained dark colored		10															
1166	1172	bedded sediments.		22															
1172	1179	1172'-1200' Similar to section 1155' to		22															
1179	1184	1166'. Some quartz and calcite filled		20															
1184	1191	fractures at 1175'.		25															
1191	1200	1200'-1220' Fine grained dark colored		20															
1200	1209	bedded sediments which show bedding at		18															
1209	1215	45°-60° to core. More silicified and		17															
1215	1225	harder than above section. Core at 1201' shows much fracturing and recementation.		7															
1225	1235	1220'-1237' Fine grained arkose.		13															
1235	1245	1237'-1245' Same as 1200'-1220'.		15															
1245	1248	1245'-1246.5' Fine grained dark colored		33															
1248	1257	bedded sediments.		10															
1257	1261	1246.5'-1248' Highly silicified fine		15															
1261	1267	grained arkose with some red fragments.		10															
1267	1273	1248'-1268' Probably a highly silicified fine grained arkose. Has a greenish appearance due to chlorite. Few fragments have the appearance of fine grained bedded sediments. Core recovery low.		10															

SIZE OF CORE		REMARKS
From	To	
1 1/4" From	42' To 45'	
1" From	45' To 1342'	
From	To	

Examined by _____
Approved by _____
Engineer
Manager

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Page 6

Location 400' East of Power House

Direction Down Dip Vertical

Started March 24, 1938 Finished October 13, 1938

COORDINATES

N 4500 E 13,200

Elevation 681.3'

Hole No. 269

Depth 1342'

DESCRIPTION

CORE

SLUDGE

SECTION		GENERAL	ECONOMIC	Core Rec. %	CORE							Core Rec. %	SLUDGE						
From	To				Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe		Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe
1275	1285	1283'-1284'	Dark gray bedded sediments.	12															
1285	1292	1294'-1292'	Alternate layers of fine grained arkose and bedded sediments. Mainly arkose. Section 1285'-1285.5' is chloritized.	11															
1292	1298	1298'-1298'	Dark gray bedded sediments which are partly chloritized and show bedding at 45° to 60° to core. Core at 1296'-1298' recovered in small pieces which are chloritized.	20															
1298	1303	1298'-1307'	Fine grained arkose.	14															
1303	1307	Some shearing at angles varying from 10° to 45° to core. Some chlorite along shear lines.		17															
1307	1312	1307'-1322'	Dark colored fine grained sediments.	28															
1312	1322			31															
1322	1327	1322'-1332'	Fine grained arkose.	68															
1327	1332			32															
1332	1342	1332'-1342'	Medium grained arkose. Fragments from 1/16" to 3/16".	39															

Sludge Section
1290-

1300 17-4868 Nil Tr. Nil 0.2 0.2 6.1

1320- 17-4869 Nil Tr. Nil 0.1 Tr. 3.8

END

1342
1337
1211

SIZE OF CORE	
From	To
14" From	42" To 45"
4" From	45" To 1342'
From	To

REMARKS July 21st - drill rods broken. In trying to recover, the fishing tools also broke. 220' drill rods, a 10' core barrel and a diamond bit were left in the bottom of the hole. An attempt made to drill past these rods, but caving, which could not be cemented because of water pressure, prevented further drilling. Another diamond bit lost in this attempt at 996'.

Examined by

F. M. Stephens

Engineer

Approved by

[Signature]

Manager