CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

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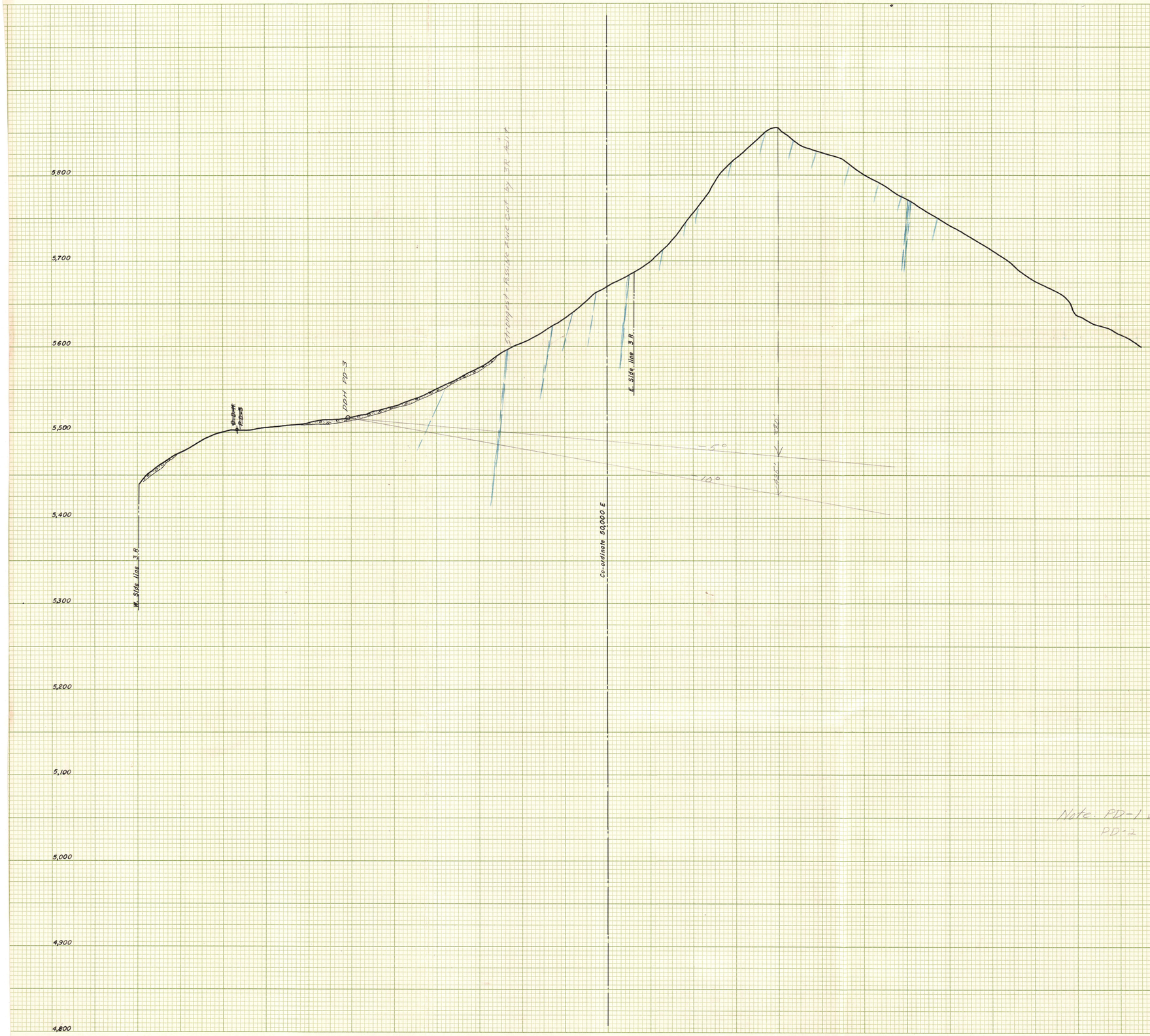


Note: PD-1 was 250' below crest of ridge
PD-2 " 550' " " " "

RECEIVED
JUN 11 1951
E. N. PENNEBAKER

SECTION
THRU
DIAMOND DRILL HOLE
PD-3
LOOKING NORTHERLY
1" = 50'
N 80° E

KEUFFEL & ESSER CO.
NEW YORK
TRADE STANDARD MARK
REG. U.S. PAT. OFF.
CROSS SECTION 10 X 10
100 TO 1/8 AND PAPER
PRINTED IN U.S.A.

DIAMOND DRILL HOLE

PD-4

THREE R CLAIM
49770.61 N.
49665.22 E.

COLLAR ELEV: 5,506.96
BEARING N50°E
INCLINATION –10°

ASSAYS CORE % CU.	SLUDGE % CU.	DEPTH
.011		2.0
.010		7.2
.011		11.4
.010		16.4
.015		19.1
.011		20.1
.065		25.4
.021		30.3
		35.3
	.018	40.9
		45.6
	.028	50.7
		55.5
	.028	61.2
		66.2
	.028	71.0
		75.8
	.026	81.1
		86.4
	.039	91.0
		96.0
	.121	101.0
		106.0
	.049	111.0
		116.3
	.034	121.3
		126.3
	.028	131.3
		136.3
	.034	141.3
		146.5
	.052	151.5
		156.5
		161.2
	.078	166.2
		170.3
		175.4
	.062	178.4
		183.8
	.124	189.0
		194.0
	.099	199.2
		204.4
	.194	209.5
		214.5
	.111	215.3
		219.2
	.299	229.2
	.216	239.2
	.141	249.4
	.120	259.4
	.171	269.4
	.139	279.5
	.139	288.9
.020		297.4
	.088	307.3
.012		311.3
	.022	320.4
.010		331.5
	.024	341.2
	.030	351.1
	.032	361.2
	.088	371.2
	.030	381.3
	.024	391.6
	.016	401.3
	.030	411.5

GEOLOGY

Granite – Tr. Pr. – Granite – Tr. Pr. – Granite – Tr. Pr. – Granite

Str. Silic. – Hea Sl. – Moderate Silic – Str. Sil. – V. Hea Hea Silic. – Str. – Mod Silicification – Mod Sil. – Hea – V.H. Sil. – Str. Sil. – Mod. St. Sil.

Sp Lim. – tr. Lim. – V.Sp. Lim. – tr. Limonite – V. Sp. Sp. Limonite – tr. Lim. – V.Sp. Lim. – H.L. – Sp-V.Sp Lm – M.H. Lim – Sp-V.Sp Lim.

DIAMOND DRILL HOLE

PD-5

THREE R CLAIM
49767.98 N.
49664.26 E.

COLLAR ELEV: 5,505.66
BEARING N50°E
INCLINATION –31°

ASSAYS CORE % CU.	SLUDGE % CU.	DEPTH
.036		2.0
.007		10.0
.010		15.3
.017		20.3
.020		25.3
.063		30.3
.055		35.3
	.025	39.8
	.063	44.8
	.045	49.9
	.045	54.4
	.037	59.5
	.063	64.6
	.030	69.7
	.035	74.7
	.035	79.7
	.052	84.8
	.025	89.3
	.025	94.4
	.025	99.3
	.027	104.4
	.027	109.4
	.052	114.2
	.048	119.3
	.073	124.7
	.222	129.8
	.290	133.5
	.121	138.8
.250		141.5
	.060	146.8
	.081	151.9
	.057	157.0
	.065	162.4
	.057	167.7
	.052	172.7
	.068	178.1
	.050	183.5
	.044	188.4
	.065	194.8
	.066	200.0
	.078	205.1
	.099	215.3
	.065	222.9
	.068	232.9
.058	.050	242.9
.065		251.3
.940	.740	261.4
2.08	.430	271.5
.460	.460	277.9
.211	.390	288.2
.136	.270	298.4
	.076	309.0
	.118	319.3
	.078	330.7
	.060	340.9
	.216	351.3
.067		353.5
.057		364.0
.049		374.3

GEOLOGY

Granite – Tr. Por. – Granite

St. Mod. Sil. – Strong Silicification – Heavy – Sp. Sil. – Heavy Silic – Heavy – Str.-Hea Silic – V Hea Sil. – H-V.H.Sil. – Str.-Hea Silic.

Sp. Lim. – V. Sp. Lim. – Sp. Lim. – H-V.Sp.L. – V. Sp. Limonite – V.Sp. Lim. – Sp-V.Sp. Lim. – Sp. Lim. – Sp. L. – Mod.-V.Sp. Lim.

PD #3

DIAMOND DRILL HOLE
PD-3
THREE R CLAIM
497595 N.W.
4868222 E
DOLLAR ELEV. 5,506.96

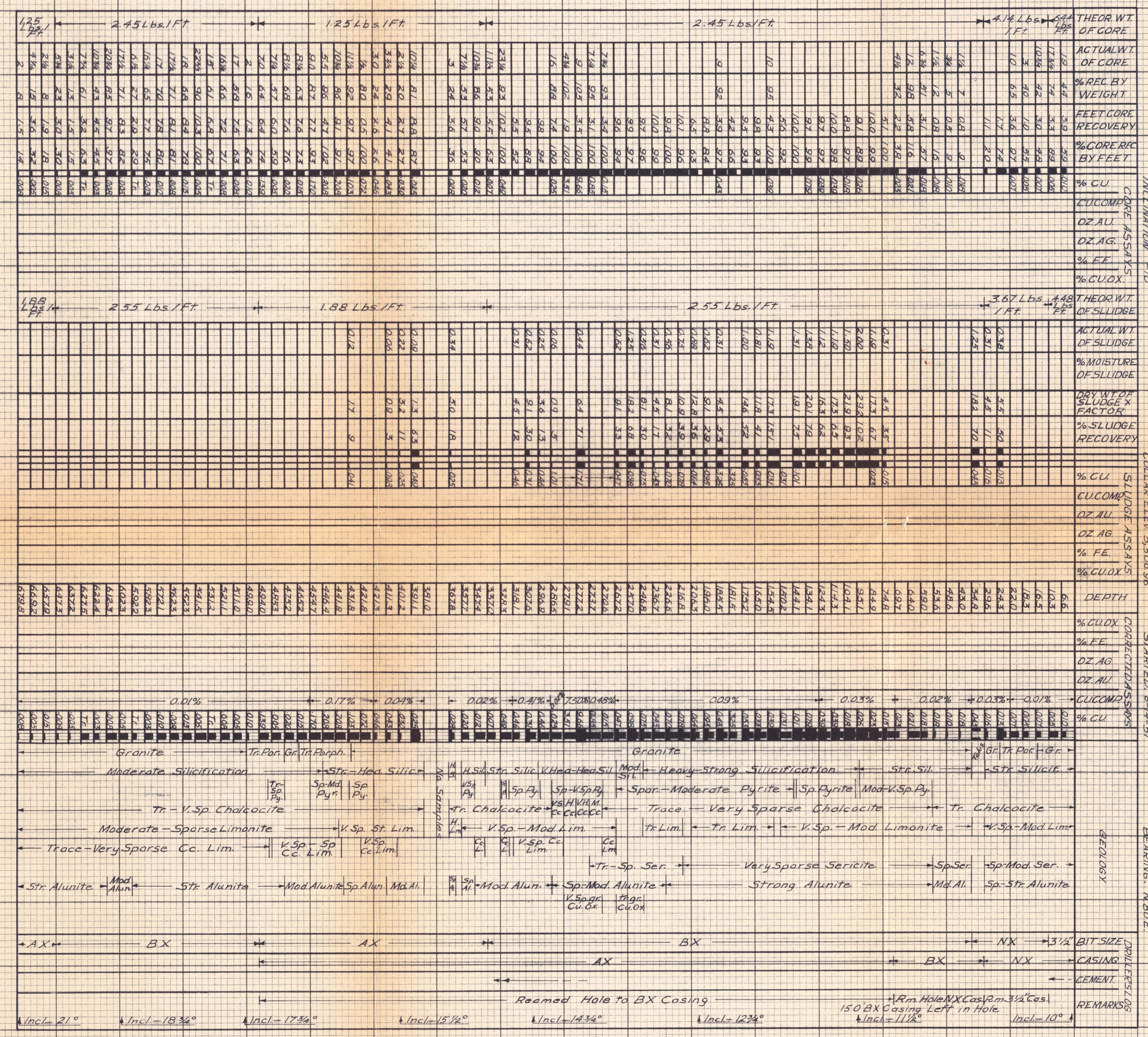
INCLINATION: -10°

STARTED: 6-14-51

BEARING: N 80 E.

DEPTH OF HOLE: 679.8 FT.
COMPLETED: AUG. 13, 1951

GEOLOGICAL DEPARTMENT
CONSOLIDATED COPPERMINES CORPORATION



TRACE STANDARD MARK CROSS SECTION 10 X 10 PRINTED IN U.S.A. ON IMPERIAL TRACING CLOTH
KEUFFEL & ESSER CO. NEW YORK

PD #4

DIAMOND DRILL HOLE

PD-4

THREE R CLAIM
49770.61 N.
49665.22 E.
COLLAR ELEV. 5,506.96

INCLINATION -10°

STARTED: 8-16-51

BEARING: N 50°E.

THEOR. WT. OF CORE	ACTUAL WT. OF CORE	% REC. BY WEIGHT	FEET CORE RECOVERY	% CORE REC. BY FEET	% CU.	CU COMP.	OZ. AU.	OZ. AG.	% FE.	% CU OX.	THEOR. WT. OF SLUDGE	ACTUAL WT. OF SLUDGE	% MOISTURE OF SLUDGE	DRY WT. OF SLUDGE X FACTOR	% SLUDGE RECOVERY	% CU.	CU COMP.	OZ. AU.	OZ. AG.	% FE.	% CU OX.
4.14 Lbs./Ft.	5¼	63	1.6	80	.011																
	4.0	19	1.4	27	.010																
	6½	37	2.8	67	.011																
	10.0	48	2.5	50	.010																
	8¼	74	2.2	82	.015																
	2¾	65	0.9	90	.011																
	19½	89	4.9	92	.065																
	17½	86	4.6	94	.021																
			3.7	74																	
			4.3	77												.018					
			4.0	85																	
			4.3	84												.028					
			4.4	92																	
			3.5	61												.028					
			4.8	96																	
			4.2	88												.028					
			2.9	60																	
			4.3	81												.026					
			3.8	72																	
			4.4	96												.039					
			4.4	88																	
			4.7	94												.121					
			2.0	40																	
			3.8	76												.049					
			7.6	143																	
			4.5	90												.034					
			4.3	86																	
			4.5	90												.028					
			4.0	80																	
			5.2	104												.034					
			2.8	54																	
			2.5	50												.052					
			3.7	74																	
			4.3	91																	
			2.3	46												.078					
			4.3	105																	
			2.5	49																	
			4.7	157												.062					
			4.6	85																	
			4.8	92												.124					
			4.8	96																	
			4.6	88												.098					
			4.8	92																	
			4.8	94												.194					
			3.7	74																	
			0.6	75												.111					
			2.3	59																	
			7.3	73												.299					
			8.0	80												.216					
			7.6	75												.141					
			5.5	55												.120					
			3.3	33												.171					
			9.5	94												.139					
			7.8	83												.139					
2.35 Lbs./Ft.	19¼	93	7.9	93	.020																
	18¼	75	8.3	84												.088					
			2.3	58	.012																
	14.0	64	7.5	82												.022					
			5.7	51	.010																
																.024					
1.25 Lbs./Ft.			7.7	78												.030					
			7.8	77												.032					
			2.3	23												.088					
			3.5	35												.030					
			3.8	37												.024					
			2.3	24												.016					
			4.8	47												.030					

CORRECTED ASSAYS

DEPTH	% CU OX.	% FE.	OZ. AG.	OZ. AU.	CU COMP.	% CU.
2.0						.011
7.2						.010
11.4						.011
16.4						.010
19.1						.016
20.1						.011
25.4						.065
30.3						.021
35.3						
40.9						.018
45.6						
50.7						.028
55.6						
61.2						.028
66.2						
71.0						.028
75.8						
81.1						.026
86.4						
91.0						.039
96.0						
101.0						.121
106.0						
111.0						.049
116.3						
121.3						.034
126.3						
131.3						.028
136.3						
141.3						.034
146.5						
151.5						.052
156.5						
161.2						
166.2						.078
170.3						
175.4						
178.4						.062
183.8						
189.0						.124
194.0						
199.2						.095
204.4						
209.5						.194
214.5						
215.3						.111
219.2						
229.2						.299
239.2						.216
249.4						.141
259.4						.120
269.4						.171
279.5						.139
288.9						.139
297.4						.020
307.3						.088
311.3						.012
320.4						.022
331.5						.010
341.2						.024
351.1						.030
361.2						.032
371.2						.088
381.3						.030
391.6						.024
401.3						.016
411.5						.030

GEOLOGY

DRILLER'S LOG

BIT SIZE	CASING	CEMENT	REMARKS
	3½"	Rm. to 84 Cu.	Incl.-10½°
			170 Feet of BX Casing Left in Hole
			Incl.-7½°
			Incl.-5½°
			Rm. Hole for BX Casing
			Incl.-6¾°
			Rm. Hole for AX Casing
			Incl.-7½°

DEPTH OF HOLE: 411.5 FT.
COMPLETED: SEPT. 7, 1951

GEOLOGICAL DEPARTMENT
CONSOLIDATED COPPERMINES CORPORATION

PD #5

DIAMOND DRILL HOLE

PD-5

THREE R CLAIM
49767.98 N
49664.26 E
COLLAR ELEV. 5,505.66'

INCLINATION: -31° STARTED: 9-19-51 BEARING: N 50°E

THEOR. WT. OF CORE	ACTUAL WT. OF CORE	% REC. BY WEIGHT	FEET CORE RECOVERY	% CORE REC. BY FEET	CORE ASSAYS % CU.	CU COMP.	OZ. AU.	OZ. AG.	% FE.	% CU OX.	THEOR. WT. OF SLUDGE	ACTUAL WT. OF SLUDGE	% MOISTURE OF SLUDGE	DRY WT. OF SLUDGE × FACTOR	% SLUDGE RECOVERY	SLUDGE ASSAYS % CU.	CU COMP.	OZ. AU.	OZ. AG.	% FE.	% CU OX.
6.44 lbs/ft	5'	39	0.9	45	.036						4.48 lbs/ft										
	24	47	3.9	48	.007																
	14	64	3.0	57	.010																
	14	68	3.2	64	.017																
	14¼	69	3.2	64	.020																
	20	97	4.8	96	.063																
	16¾	81	3.9	78	.055																
			4.7	104												.025					
			3.9	78												.063					
			4.7	92												.045					
			4.6	102												.045					
			4.7	92												.037					
			4.6	90												.063					
			4.5	88												.030					
			5.0	100												.035					
			4.2	84												.035					
			4.7	92												.052					
			4.8	107												.025					
			4.6	90												.025					
			3.0	61												.025					
4.14 lbs/ft			4.0	78							3.67 lbs/ft					.027					
			4.7	94												.027					
			4.6	96												.052					
			3.5	69												.048					
			4.8	89												.073					
			3.3	65												.222					
			4.8	130												.290					
	9½	43	2.2	42												.121					
			4.5	166	.250																
			4.6	87												.060					
			4.6	90												.081					
			4.9	96												.057					
			4.5	83												.065					
			4.9	92												.057					
			4.6	92												.052					
			4.2	78												.068					
			4.8	89												.030					
			4.2	86												.044					
			4.4	69												.065					
			4.3	83												.066					
			3.8	75												.078					
			9.1	89												.090					
			3.8	50												.065					
	20	82	8.0	80												.068					
	17¾	72	6.2	62	.058											.050					
	20	82	5.7	68	.065																
2.45 lbs/ft			8.1	80	.940						2.55 lbs/ft	0.31		4.6	1.5	.740					
			6.3	62	2.08							0.06		0.9	3	.430					
			6.0	94	.460							0.03		0.4	1	.460					
	8	32	3.3	32	.211							0.69		10.2	24	.390					
			9.5	93	.136											.270					
			8.0	76												.076					
			7.9	77												.118					
			9.3	82												.078					
			8.3	83												.060					
			8.8	85												.216					
	4	74	1.6	73	.067											.067					
	15¾	61	6.8	65	.057											.057					
	23½	93	9.8	95	.049											.049					

DEPTH	CORRECTED ASSAYS % CU. OX.	% FE.	OZ. AG.	OZ. AU.	CU COMP.	% CU.
20						.036
100						.007
153.3						.010
203.3						.017
253.3						.020
303.3						.063
353.3						.055
398.8						.025
448.8						.063
499.9						.045
544.4						.045
595.5						.037
646.6						.063
697.7						.030
747.7						.035
797.7						.035
848.8						.052
893.3						.025
944.4						.025
993.3						.025
1044.4						.027
1094.4						.027
1142.2						.052
1193.3						.048
1247.7						.073
1298.8						.222
1335.5						.290
1388.8						.121
1415.5						.250
1468.8						.060
1519.9						.081
1570.0						.057
1624.4						.065
1677.7						.057
1727.7						.052
1781.1						.068
1835.5						.050
1884.4						.044
1948.8						.065
2000.0						.066
2051.1						.078
2153.3						.090
2229.9						.065
2329.9						.068
2429.9						.058
2513.3						.065
2614.4						.940
2715.5						2.08
2779.9						.460
2882.2						.211
2984.4						.136
3090.0						.076
3193.3						.118
3307.7						.078
3409.9						.060
3513.3						.216
3535.5						.067
3640.0						.057
3743.3						.049

GEOLOGY

Granite
Tr. Pot. — St-Mod. Sil.
Strong Silicification
Sparse Pyrite
Sparse Chalcocite
Sp. Lim.
M.Al. Ser.
Mod-Sp. Alunite
V. Sp. Lim.
Very Sparse Chalcocite
Mod. Py.
Sp. Cc. Lim.
Heavy Silic.
Sp. St. Vn. Sp. Py.
Str. Hea. Silic.
Str. Hea. Silic.
Sparse Pyrite
Heavy Silic.
Str. Hea. Silic.
Very Sparse Chalcocite
V. Sp. Limonite
Tr. Cc. Lim.
Str. Hea. Silic.
Mod. Py.
Sp. Py. Mod. Sp. Py.
Sp. St. M. Cc. Cc.
V. Sp. Cc.
Mod-V. Sp. Lim.
Sp-V. Sp. Lim.
Tr. V. Sp. Cc. Lim.
Tr-V. Sp. Cc. Lim.
Mod. Al. — H-M. Al. — Mod. Alunite
Strong Alunite
Mod. Alunite

DRILLER'S LOG

BIT SIZE: 3¼"
CASING: 8" OX
CEMENT

N X
B X
B X

REMARKS

Incl. 31½°
Casing Left in Hole: 10 Ft. NX, 40 Ft. BX.
Incl. 31½°
Incl. 29½°
Bearing N54½°E
Incl. 29°, Incl. 29°

DEPTH OF HOLE: 374.3 FT.
COMPLETED OCT. 16, 1951

GEOLOGICAL DEPARTMENT
CONSOLIDATED COPPERMINES CORPORATION

PATAGONIA

PD #3 Sect

DIAMOND DRILL HOLE

PD-1

THREE R CLAIM
49,352.92 N
49,823.61 E
COLLAR ELEV. 5,376.5
BEARING N80°E
INCLINATION +25°

ASSAYS CORE % Cu	ASSAYS SLUDGE % Cu	DEPTH	GEOLOGY
0.02		1.9	Granite — Mod.-Strong Silicification — Mod. Silic. — Heavy Silic. — Mod. Lim.
0.05		3.5	
0.21		6.9	
0.05		10.6	
0.03		13.7	
0.07		17.1	Granite — Sparse Silicification — Mod. Silic. — Sp. Limonite
0.04		20.4	
0.11	0.13	22.5	
0.07	0.09	27.4	
0.05	0.06	32.3	
0.04		34.7	Granite — Sparse Silicification — V. Sp. Limonite
0.04	0.04	37.7	
0.08	0.09	40.0	
0.06	0.08	49.9	
0.06	0.09	60.6	
0.06	0.06	69.7	Granite — Sparse Silicification — Sp. Lim.
0.11	0.07	79.7	
0.06	0.05	89.8	
0.04	0.06	99.6	
0.04	0.19	109.6	
0.05	0.05	119.8	Granite — Moderate Silicification — Vary. Sparse Limonite
0.03	0.03	129.8	
0.05	0.06	140.0	
0.05	0.05	150.0	
0.06	0.17	157.4	
0.05	0.11	160.0	
0.04	0.07	170.0	
0.06	0.07	180.4	
0.23	0.21	190.4	Sp. Lim.
4.58	3.02	200.5	Heavy Silic.
0.10	0.33	210.5	Granite — Strong Silic. — M. Silic. — V. Sp. Lim.
0.06	0.12	215.5	
0.04		220.5	
0.03	0.05	231.2	
1.23	0.56	236.2	Sp. Silic.
0.08		241.2	Mod. Lim.
0.14	0.11	246.1	Granite — Strong Silic. — V. Sp. Limonite
0.08		251.1	
0.09	0.18	251.9	
0.81		259.1	
0.04		261.1	Granite — Strong Silicification — V. Sp. Limonite
0.05	0.09	266.1	
0.07		277.6	
0.05	0.15	276.6	
0.02		281.6	
0.01	0.06	286.6	Granite — Sparse Silicification — Sp. Lim.
0.03		292.0	
0.04	0.07	297.1	
0.04		302.2	
0.04	0.05	307.2	
0.04		312.7	
0.02	0.04	317.7	
0.02		322.8	
0.04	0.05	327.9	
0.04		333.0	
0.04	0.07	342.0	Mod.-Strong Silic. — Mod. Sp. Lim.
0.02		343.0	
0.02		345.0	
Tr.	0.02	348.0	
Tr.		353.0	
Tr.	0.01	357.0	Mod. Silic. — V. Sp. Lim.
Tr.		362.3	
Tr.	0.07	368.3	
0.06		372.3	Sp. Silic.
0.04		374.5	
0.03	0.03	378.3	St. Mod. Silic. — Sp. Lim.
0.02		381.9	
0.08		382.3	
0.02	0.04	387.9	
0.01	0.05	390.5	
0.01	0.03	394.7	Mod. Lim.
0.02		399.0	
0.01		400.5	Tr. Silic.
0.06	0.06	405.5	
0.02		408.0	
0.08		409.0	Moderate to Strong Silicification — Sparse Vary Sparse Limonite
0.06		415.1	
0.01	0.04	418.1	
0.03		419.1	
0.17		421.1	
0.03	0.08	425.1	
0.04		429.2	
0.02	0.03	434.2	
0.03		439.3	
0.02	0.04	444.5	
0.02		450.0	
0.03	0.08	455.0	
0.08		460.0	
0.01	0.02	465.7	
0.08		470.1	
0.03		472.5	Mod. Lim.
0.09	0.02	475.0	
0.05		477.0	
0.03		480.5	
0.01	0.04	488.5	

DIAMOND DRILL HOLE

PD-2

THREE R CLAIM
49,353.85 N
49,823.33 E
COLLAR ELEV. 5,373.72
BEARING N70°E
INCLINATION -5°

ASSAYS CORE % Cu	ASSAYS SLUDGE % Cu	DEPTH	GEOLOGY
0.04		10.0	Granite — Silicification — Heavy-Mod. Silic. — Mod. Limonite
0.05	0.05	15.0	
0.09	0.09	17.4	
0.05	0.02	22.0	
0.03	0.04	27.0	
0.07	0.04	29.6	
0.02	0.04	34.0	
0.07	0.05	39.0	
0.03	0.03	44.0	
0.04	0.05	49.0	Sp. Mod. Limonite
0.02		54.3	Granite — Strong to Moderate Silicification — H. Silic. — Heavy-Mod. Silic.
0.09	0.06	59.7	
0.31		63.0	
0.02		65.0	Sp. Lim.
0.06	0.08	70.0	
0.08	0.08	75.0	
0.12	0.06	80.0	
0.03	0.09	85.3	
0.03	0.05	91.0	
0.04	0.05	97.0	
0.05	0.05	102.6	
0.07	0.05	107.9	
0.03	0.04	113.0	
	0.06	123.0	
	0.01	133.8	
	0.03	143.0	
	0.03	153.0	
	0.04	163.6	
0.65	0.64	174.0	
	0.16	184.0	
	0.08	194.0	
	0.04	204.0	
	0.02	211.0	
	0.03	214.0	
	0.04	221.0	
	0.07	231.0	
	0.03	241.0	
	0.07	252.0	
	0.02	262.0	Tr. Por. — Tr. Silic.
	0.06	272.0	Sp. Lim.
	0.06	282.3	
	0.05	292.5	
	0.03	303.0	
	0.02	313.0	
	0.02	324.0	
	0.03	334.0	
	0.02	344.0	
	0.02	354.0	
	0.01	364.3	Tr. Silic.
	0.03	374.0	
	0.03	383.0	
	0.03	393.0	
	0.05	404.0	
	0.06	414.0	
	0.06	424.0	
	0.09	433.0	
	0.05	443.0	
	0.06	452.0	
		455.0	Heavy Silic.
	0.04	465.0	
	0.07	475.0	
	0.03	486.0	Mod. Lim.
	0.19	496.0	
	0.05	506.0	
	0.12	518.0	
	0.22	529.0	
	0.06	539.0	
	0.04	550.0	
	0.04	560.0	
	0.05	570.0	
	0.05	581.0	
	0.05	591.0	
	0.09	602.0	
	0.07	615.0	
	0.04	625.0	
	0.05	635.0	
	0.03	640.0	
	0.08	650.0	
	0.05	656.0	
	0.13	665.0	
	0.08	673.0	
	0.04	683.0	
	0.03	694.0	
0.01		706.0	Granite — Moderate Silicification — V. Sp. Limonite
0.01		717.0	
0.01		720.0	
0.01		732.0	
0.04		742.0	
0.01		752.0	
0.01		762.0	
0.01		773.0	St. to Heavy Silic. — Sp. to V. Sp. Limonite
0.02		782.0	
0.04		792.0	
0.04		801.0	
0.03		812.0	V. Sp. Lim.

DIAMOND DRILL HOLE

PD-3

THREE R CLAIM
49,769.61 N
49,662.22 E
COLLAR ELEV. 5,306.96
BEARING N80°E
INCLINATION -10°

ASSAYS CORE % Cu	ASSAYS SLUDGE % Cu	DEPTH	GEOLOGY
0.01		6.6	Granite — Heavy-Strong Silicification — Mod. Silic. — V.H.-H. Silic. — St. Silic. — H. Silic. — Tr. Por. — Gr. — St. Silic. — V. Sp.-Mod. Lim. — V. Sp.-Mod. Limonite — Tr. Lim. — Tr. Lim. — H. Limon.
0.01		10.5	
0.01		16.5	
0.01		18.5	
0.01		22.0	
	0.01	24.3	
	0.02	29.6	
	0.05	34.8	Tr. Lim.
0.02		43.0	
0.01		48.6	
0.02		53.6	
0.02		59.0	
0.02		64.0	
0.02		69.7	
	0.02	74.8	
	0.02	84.9	
0.03		95.1	
0.02		104.1	
0.04		114.3	
0.04		124.3	
0.08		134.1	
	0.10	144.1	
	0.03	150.2	
0.04	0.03	154.5	
	0.03	165.0	
	0.05	175.2	
	0.33	181.5	
0.43	0.33	185.5	
	0.10	196.0	
	0.06	206.3	
	0.08	216.8	
	0.07	226.6	
	0.04	236.7	
	0.08	246.8	
	0.10	257.0	
	0.05	267.2	
0.15		270.6	
0.85		273.7	
9.66	1.71	277.2	
3.51		279.1	
0.03	1.01	286.5	
	0.05	296.9	
	0.03	307.6	
	0.05	318.1	
0.05		328.3	
0.01		337.0	
0.01		347.4	
0.02		357.7	
0.03	0.03	367.8	
			No Samples
		381.0	
0.03	0.05	391.1	
0.03	0.03	401.2	
0.04	0.10	411.3	
0.05		421.3	
0.07		427.8	
0.10	0.04	431.8	
0.21		441.8	
0.21		446.4	
0.17		454.7	
0.02		465.2	
0.02		475.2	
0.01		485.3	
0.14		494.0	
0.10		499.0	
0.01		511.0	
0.01		521.1	
Tr.		531.2	
0.01		541.5	
0.01		552.3	
0.01		562.3	
0.01		572.1	
Tr.		582.3	
Tr.		592.2	
0.01		602.3	
0.01		612.3	
Tr.		622.4	
Tr.		627.5	
0.01		637.2	
0.01		647.3	
0.02		657.9	
0.01		669.2	
0.01		679.8	

PATAGONIA SUMMARY
D. D. Logs.

DIAMOND DRILL HOLE.

PD-2

THREE R CLAIM
49,353.88 N
49,823.33 E
COLLAR ELEVATION: 5,373.72

INCLINATION: -5°   STARTED 5/11/51   BEARING: N 70° E

CORE ASSAYS

DEPTH	THEOR. WT. OF CORE	ACTUAL WT. OF CORE	% REC. BY WEIGHT	FEET CORE RECOVERY	% CORE REC. BY FEET	% CU	CU COMP.	OZ. AU	OZ. AG	% FE	% CU OX
10.0	6.44 lbs/ft	52 1/2	81	9.6	96	.036					
15.0	4.14 Lbs/Ft	19 1/2	94	4.9	98	.052					
17.4		6 1/2	65	1.9	79	.086					
22.0		13 1/4	69	3.8	82	.049					
27.0		16 3/4	81	4.3	86	.027					
29.6		6	56	1.8	69	.070					
34.0		20.	109	4.8	109	.022					
39.0		19 1/2	94	5.0	100	.070					
44.0		20 1/4	97	5.1	102	.029					
49.0		20 1/2	99	5.1	102	.036					
54.3		19 1/2	89	5.1	96	.022					
59.7		20	89	5.2	96	.090					
63.0		11 3/4	86	3.1	94	.311					
65.0		8	97	2.0	100	.017					
70.0		16 3/4	81	4.3	86	.060					
75.0		18 1/2	89	4.9	98	.080					
80.0		18 1/2	89	5.0	100	.123					
85.3		19 1/4	87	5.0	94	.030					
91.0		11 1/2	49	4.0	70	.032					
97.0		19 1/2	78	5.0	83	.040					
102.6		19	82	4.9	87	.045					
107.9		20	91	4.9	92	.066					
113.0		19 1/4	91	4.9	96	.025					
123.0	2.45 Lbs/Ft			9.8	98						
133.8				9.8	90						
143.0				8.6	93						
153.0				5.7	57						
163.6				4.0	37						
174.0		25	98	10.0	96	.65					
184.0				9.9	99						
194.0				10.1	101						
204.0				9.4	94						
211.0				6.8	97						
214.0				2.5	83						
221.0				6.7	95						
231.0				10.0	100						
241.0				10.0	100						
252.0				10.0	92						
262.0				10.0	100						
272.0				8.5	85						
282.3				10.1	98						
292.5				9.7	95						
303.0				9.8	93						
313.0				8.2	82						
324.0				7.0	69						
334.0				10.0	100						
344.0				6.8	68						
354.0				10.1	101						
364.3				9.2	89						
374.0				8.2	84						
383.0				8.9	99						
393.0				9.8	98						
404.0				10.0	99						
414.0				9.9	99						
424.0				9.7	97						
433.0				9.4	104						
443.0				9.7	97						
452.0				8.3	92						
455.0	1.25 Lbs/Ft.			3.4	113						
465.0				9.3	93						
475.0				9.7	97						
486.0				9.6	87						
496.0				9.7	97						
506.0				9.8	98						
518.0				9.4	78						
529.0				9.8	89						
539.0				9.7	97						
550.0				9.6	87						
560.0				7.5	75						
570.0				9.5	95						
581.0				6.7	61						
591.0				7.1	71						
602.0				9.5	86						
615.0				9.7	74						
625.0				3.1	31						
635.0				4.6	46						
640.0				2.3	46						
650.0				5.7	57						
656.0				5.6	93						
665.0				6.3	70						
673.0				2.3	29						
683.0				9.9	99						
694.0				6.0	54						
706.0		1 1/2	10	1.5	12	.013					
717.0		3/4	5	0.6	5	.013					
726.0		1	9	0.8	8	.005					
732.0		4 1/2	60	4.0	67	.011					
742.0		8	64	7.7	77	.035					
752.0		8 3/4	70	8.0	80	.011					
762.0		2	16	2.0	20	.008					
773.0		8	58	6.8	62	.008					
782.0		6	53	4.9	54	.018					
792.0		4	32	2.8	28	.040					
801.0		1 1/4	11	0.5	5	.024					
810.0		3	26	1.0	11	.027					

SLUDGE ASSAYS

DEPTH	THEOR. WT. OF SLUDGE	ACTUAL WT. OF SLUDGE	% MOISTURE OF SLUDGE	DRY WT. OF SLUDGE X FACTOR	% SLUDGE RECOVERY	% CU	CU COMP.	OZ AU	OZ AG	% FE	% CU OX.
10.0	4.48 lbs/ft										
15.0	3.67 Lbs/Ft	2.81		41.02	209	.054					
17.4		0.38		5.5	44	.086					
22.0		0.25		3.6	16	.022					
27.0		0.69		10.07	45	.037					
29.6		0.75		10.9	76	.043					
34.0		1.25		18.2	112	.040					
39.0		1.00		14.6	74	.045					
44.0		0.88		12.8	67	.031					
49.0		1.12		16.3	88	.045					
54.3		↓		↓	↓	↓					
59.7		0.38		5.5	12	.060					
63.0		↓		↓	↓	↓					
65.0		↓		↓	↓	↓					
70.0		0.88		12.8	29	.080					
75.0		0.81		11.8	57	.080					
80.0		1.06		15.4	74	.080					
85.3		1.19		17.3	77	.091					
91.0		2.00		29.2	88	.053					
97.0		0.88		12.8	46	.050					
102.6		1.56		22.7	91	.045					
107.9		1.00		14.6	68	.053					
113.0		1.19		17.3	84	.035					
123.0	2.55 Lbs/Ft	0.69		10.07	38	.055					
133.8		0.88		12.8	42	.012					
143.0		0.94		13.7	54	.030					
153.0		2.31		33.7	93	.030					
163.6		3.00		43.8	100	.043					
174.0		1.50		21.9	81	.64					
184.0		1.56		22.7	88	.161					
194.0		2.31		33.7	132	.075					
204.0		2.25		32.8	121	.035					
211.0		1.50		21.9	119	.022					
214.0		0.19		2.7	30	.030					
221.0		0.62		9.05	48	.035					
231.0		1.12		16.30	64	.071					
241.0		0.94		13.70	53	.032					
252.0		0.81		11.80	39	.073					
262.0		1.06		15.40	60	.028					
272.0		1.31		19.10	65	.077					
282.3		1.25		18.20	68	.056					
292.5		1.31		19.10	70	.049					
303.0		1.69		24.60	86	.025					
313.0		2.06		30.07	100	.020					
324.0		2.31		33.70	92	.018					
334.0		2.94		42.90	168	.033					
344.0		2.69		39.20	117	.023					
354.0		2.19		31.90	125	.020					
364.3		0.12		1.70	6	.110					
374.0		1.44		21.02	73	.031					
383.0		1.12		16.30	70	.031					
393.0		1.31		19.10	73	.029					
404.0		1.75		25.50	90	.050					
414.0		1.19		17.30	67	.063					
424.0		1.00		14.60	55	.056					
433.0		1.19		17.30	75	.091					
443.0		0.50		7.30	27	.050					
452.0		0.12		1.70	7	.056					
455.0	1.88 Lbs/Ft.	↓		↓	↓						
465.0		0.06		0.87	3	.043					
475.0		0.75		10.90	56	.068					
486.0		0.75		10.90	48	.026					
496.0		0.88		12.80	66	.191					
506.0		1.00		14.60	76	.045					
518.0		1.19		17.30	66	.117					
529.0		0.44		6.40	29	.222					
539.0		0.25		3.60	18	.059					
550.0		0.69		10.07	44	.039					
560.0		0.56		8.10	37	.037					
570.0		1.19		17.30	88	.047					
581.0		1.38		20.10	77	.047					
591.0		0.75		10.90	48	.047					
602.0		0.81		11.80	52	.091					
615.0		0.50		7.30	25	.066					
625.0		0.94		13.70	50	.039					
635.0		1.31		19.10	74	.050					
640.0		0.38		5.50	43	.034					
650.0		0.62		9.05	37	.077					
656.0		0.50		7.30	61	.045					
665.0		0.69		10.07	49	.125					
673.0		1.25		18.20	82	.083					
683.0		0.75		10.90	57	.040					
694.0		0.19		2.70	10	.029					
706.0–810.0		NO SLUDGE OBTAINED									

CORRECTED ASSAYS

DEPTH	% CU OX.	% FE.	OZ. AG	OZ. AU	CU COMP.	% CU
10.0						.036
15.0						.052
17.4						.086
22.0						.049
27.0						.027
29.6						.070
34.0						.022
39.0						.070
44.0						.029
49.0						.036
54.3						.022
59.7						.090
63.0						.311
65.0						.017
70.0						.060
75.0						.080
80.0						.123
85.3						.030
91.0						.032
97.0						.040
102.6						.045
107.9						.066
113.0						.025
123.0						.055
133.8						.012
143.0						.030
153.0						.030
163.6						.043
174.0						.640
184.0						.161
194.0						.075
204.0						.035
211.0						.022
214.0						.030
221.0						.035
231.0						.071
241.0						.032
252.0						.073
262.0						.028
272.0						.077
282.3						.056
292.5						.049
303.0						.025
313.0						.020
324.0						.018
334.0						.033
344.0						.023
354.0						.020
364.3						.110
374.0						.031
383.0						.031
393.0						.029
404.0						.050
414.0						.063
424.0						.056
433.0						.091
443.0						.050
452.0						.056
455.0						↓
465.0						.043
475.0						.068
486.0						.026
496.0						.191
506.0						.045
518.0						.117
529.0						.222
539.0						.059
550.0						.039
560.0						.037
570.0						.047
581.0						.047
591.0						.047
602.0						.091
615.0						.066
625.0						.039
635.0						.050
640.0						.034
650.0						.077
656.0						.045
665.0						.125
673.0						.083
683.0						.040
694.0						.029
706.0						.013
717.0						.013
726.0						.005
732.0						.011
742.0						.035
752.0						.011
762.0						.008
773.0						.008
782.0						.018
792.0						.040
801.0						.024
810.0						.027

GEOLOGY

Granite; Tr. Por.; Granite; Granite

Heav.-Mod. Silic.; Heav. Sil.; Strong to Moderate Silicification; H. Sil.; Mod. Silic.; Hea. Sil.; Moderate Silic.; H. Sil.; Moderate Silicification; St. to Heav. Silic.

Mod.-V.Sp. Pyrite; Sparse Pyrite; V.H. Pyr.; Sp. Pyrite; Mod. to Sp. Pyrite; Sp.-V.Sp. Pyrite; St. Pyr.; Mod. to V.Sp. Pyrite; Mod. to V.Sp. Pyrite; Sparse Pyrite; Mod. Pyr.; Sp. Pyr.; Sp. Pyr.

V.Sp. Chalcocite; Sp. Cc.; Very Sparse Chalcocite; Sp. Cc.; Very Sparse Chalcocite; Very Sparse Chalcocite

Sp.-Mod. Limonite; Sp. Lim.; Sp. Cc. Lim.; V.Sp. Cc. Lim.; Mod. Lim.; Sp.-V.Sp. Lim.; Sp. Lim.; Sp.-V.Sp. Lim.; Mod. Lim.; V.Sp. Lim.; Mod. Lim.; V.Sp. Limonite; Sp. to V.Sp. Limonite; V.Sp. Cc. Lim.; V.Sp. Cc. Lim.; V.Sp. Lim.

Sp. Ser.; Mod.-St. Sericite; Mod.-Sp. Sericite; St. Ser.; Mod.-Sp. Sericite; Sp. Ser.; Sp. Sericite; Sparse Sericite; Mod. Ser.; Sp. Sericite; V.Sp. Ser.; Sparse to Very Sparse Sericite

Mod. Kaol.; V.Sp. Kaolin; Moderate - Heavy Alunite; Moderate to Strong Alunite

DRILLER'S LOG

BIT SIZE: 3 1/2"; N X; B X; A X

CASING: BX; BX; AX

REMARKS: INCL. -6°; 151 Feet BX Casing Left in Hole; INCL. -5°; INCL. -7 1/2°; INCL. -9 1/2°; INCL. -9 1/2°; INCL. -11°; INCL. -13°; INCL. -16°; No Water Return

DEPTH OF HOLE: 810.0 FEET
COMPLETED: 6/8/51

GEOLOGICAL DEPARTMENT
CONSOLIDATED COPPERMINES CORPORATION

NOTE:
Sludge Recoveries Calculated by Longyear Method.

Log. P.D. 2

RECEIVED
JUL 5 - 1951
E. N. PENNEBAKER

SHEET 1

DIAMOND DRILL HOLE

PD-1

THREE R CLAIM
49352.92 N
49823.61 E
COLLAR ELEV. 5,376.5

INCLINATION + 25°

STARTED: 3/28/51

BEARING N 80° E

THEOR. WT. OF CORE	ACTUAL WT. OF CORE	% REC. BY WEIGHT	FEET CORE RECOVERY	% CORE REC BY FEET	CORE ASSAYS % CU.	CU. COMP.	OZ. AU.	OZ. AG.	% FE.	% CU. OX.	THEOR. WT. OF SLUDGE	ACTUAL WT. OF SLUDGE	% MOISTURE OF SLUDGE	DRY WT. OF SLUDGE X FACTOR	% SLUDGE RECOVERY.	SLUDGE ASSAYS % CU.	CU. COMP.	OZ. AU.	OZ. AG.	% FE	% CU. OX	DEPTH	CORRECTED ASSAYS % CU. OX.	% FE.	OZ. AG.	OZ. AU	CU. COMP.	% CU.
6.44 Lbs/Ft			1.7	89	.018						4.48 Lbs/Ft											1.9						.018
			1.8	89	.050																	3.5						.050
			3.4	100	.210																	6.9						.210
			3.4	92	.053																	10.6						.053
			3.0	97	.029																	13.7						.029
	18	82	3.0	88	.066																	17.1						.066
	18 1/4	86	3.3	100	.037																	20.4						.037
	6	44	1.8	86	.111							.12		1.98		.126						22.5						.111
4.14 Lbs/Ft	20	98	4.0	82	.074						3.67 Lbs/Ft	.50		8.25	14	.088						27.4						.074
	18 3/4	92	5.0	102	.048							.62		10.23	52	.063						32.3						.048
	8 1/2	86	2.35	98	.040							↑		↑		↑						34.7						.040
	9 1/2	77	2.8	93	.037							1.38		22.77	94	.037						37.7						.037
	9	94	2.6	113	.079							.62		10.23	113	.088						40.0						.079
	23	95	9.7	98	.061							1.38		22.77	86	.075						49.9						.061
	23	87	9.6	89	.063							1.69		27.88	90	.088						60.6						.063
	21 1/2	96.4	9.9	109	.063							1.81		29.86	123	.057						69.7						.063
	23	93.9	10.1	101	.113							1.69		27.88	103	.074						79.7						.113
	23	92.9	10.0	99	.063							1.88		31.02	114	.049						89.8						.063
	22 1/2	93.7	9.6	98	.043							1.88		31.00	116	.059						99.6						.043
	13 3/4	56.1	6.6	66	.043							1.94		32.01	88	.189						109.6						.043
	22 1/2	90.0	9.9	97	.054							1.81		29.86	104	.047						119.8						.054
	23	93.9	9.9	99	.030							1.56		25.74	95	.031						129.8						.030
	22 1/2	90.0	9.7	95	.049							.81		13.36	46	.061						140.0						.049
	23	93.9	9.8	98	.052							2.38		39.27	145	.046						150.0						.052
	6	33.0	3.0	41	.064							1.88		31.02	100	.172						157.4						.064
	5	78.5	2.2	81	.047							.38		6.27	77	.111						160.0						.047
	24	98.0	9.9	99	.037							1.44		23.80	91	.069						170.0						.037
	24	94.1	10.0	96	.058							1.12		18.48	65	.074						180.4						.058
	23 1/2	95.9	9.9	99	.231							1.19		19.63	74	.211						190.4						.231
	24	97.0	9.8	97	4.58		.002	.174	6.32	MoS_2 Tr		1.62		26.73	100	3.02						200.5						4.58
	24	98.0	10.0	100	.095							1.12		18.48	70	.325						210.5						.095
	12	98.0	5.0	100	.056							1.38		22.77	87	.121						215.5						.056
	12	98.0	5.0	100	.040							↓		↓		↓						220.5						.040
	23 1/2	89.6	10.6	99	.029							1.50		24.75	82	.051						231.2						.029
	13	106.1	5.0	100	1.23							1.75		28.87	113	.559						236.2						1.23
	13	106.1	5.0	100	.079							↓		↓		↓						241.2						.079
	13	108.3	5.0	102	.143							.88		14.52	57	.111						246.1						.143
	12	98.0	5.0	100	.082							↓		↓		↓						251.1						.082
	2	102	0.8	100	.085							1.12		18.48	67	.182						251.9						.085
	16	90.7	7.1	99	.810																	259.1						.810
	5	102.0	1.9	95	.037							↓		↓		↓						261.1						.037
	11	89.8	5.0	100	.046							1.31		21.61	71	.085						266.1						.046
	11 1/2	85.4	5.0	91	.066							↓		↓		↓						271.6						.066
	11	89.8	5.0	100	.053							1.06		17.49	63	.154						276.6						.053
	11 1/2	93.9	4.7	94	.016							↓		↓		↓						281.6						.016
	11	89.8	5.0	100	.011							0.75		12.37	41	.059						286.6						.011
	11 1/2	86.9	4.9	91	.032							↓		↓		↓						292.0						.032
	11	88.0	5.4	106	.041							0.88		14.52	50	.073						297.1						.041
	11	88.0	5.4	106	.036							↓		↓		↓						302.2						.036
	10 1/2	85.7	5.0	100	.036							0.94		15.51	50	.045						307.2						.036
	11 1/2	85.4	5.2	95	.041							↓		↓		↓						312.7						.041
	11 1/2	93.9	5.0	100	.020							0.94		15.51	56	.036						317.7						.020
	11 1/2	92	4.6	90	.015							↓		↓		↓						322.8						.015
	12	96	5.0	97	.036							1.12		18.48	67	.052						327.9						.036
	11 1/2	92	5.1	100	.040							↓				↓						333.0						.040
	20	90.7	9.0	100	.040							.88		14.52	52	.070						342.0						.040
	2 1/2	102	1.0	100	.020																	343.0						.020
	5	102	2.0	100	.020																	345.0						.020
	6 1/2	88.4	3.0	100	Tr							1.00		14.60	53	.020						348.0						Tr
	11 1/2	93.9	5.1	102	Tr							↓		↓								353.0						Tr
	8 1/2	86.7	4.0	100	Tr							0.38		5.54	19	.007						357.0						Tr
	9 1/2	73.2	4.6	87	Tr							↓		↓		↓						362.3						Tr
	13	88.4	6.0	100	Tr							0.38		5.54	18	.073						368.3						Tr
	8	81.6	3.9	98	.060																	372.3						.060
2.45 Lbs/Ft	4 1/2	91.8	1.9	95	.041						2.55 Lbs/Ft											374.3						.041
	9 1/2	96.9	4.0	100	.027							0.44		6.42	22	.034						378.3						.027
	7	79.3	3.5	98	.016																	381.9						.016
	2	49.0	0.4	100	.077																	382.3						.077
	11	80.1	5.4	97	.018							0.12		1.75	10	.041						387.9						.018
	4	62.8	1.9	73	.014							0.06		0.87	14	.052						390.5						.014
	5 1/2	53.4	3.1	74	.011							0.25		3.65	11	.032						394.7						.011
	5 1/2	52.2	3.1	72	.016																	399.0						.016
	4	109.0	1.4	93	.009																	400.5						.009
	11	89.8	4.9	97	.057							0.06		0.87	3	.057						405.5						.057
	5 1/2	89.8	2.4	96	.018																	408.0						.018
	2	81.6	0.9	90	.075																	409.0						.075
	14 1/2	97.0	6.1	100	.057																	415.1						.057
	6	81.6	3.0	100	.009							0.44		6.42	23	.041						418.1						.009
	2 1/2	102.0	1.0	100	.027																	419.1						.027
	6	122.4	2.0	100	.170																	421.1						.170
	9	91.8	4.0	100	.032							0.31		4.52	17	.075						425.1						.032
	9	89.6	4.0	98	.036							↓		↓		↓						429.2						.036
	8 1/2	69.3	4.0	80	.023							1.75		25.55	77	.032						434.2						.023
	9	72.0	4.2	82	.030							↓		↓		↓						439.3						.030
	11	86.3	4.9	94	.020							1.69		24.67	80	.041						444.5						.020
	12	89.0	5.0	91	.016							↓		↓		↓						450.0						.016
	12	98.0	5.0	100	.034							1.19		17.37	66	.075						455.0						.034
	12	98.0	5.1	102	.037							↓		↓		↓						460.0						.037
	13 1/2	96.6	5.7	100	.010							1.75		25.55	93	.018						465.7						.010
	10	92.7	4.4	100	.077																	470.1						.077
	5 1/4	89.2	2.3	95	.027																	472.5						.027
	5 1/4	85.7	2.4	96	.089							1.69		24.67	80	.018						475.0						.089
	4 3/4	96.9	2.0	100	.048																	477.0						.048
	6	69.9	3.3	94	.034							↓		↓								480.5						.034
	12	61.2	6.0	75	.014							1.94		28.32	101	.036						488.5						.014
	9 1/4	78.6	4.2	87	.020							0.31		4.52	30	.084						493.3						.020
	13	104.0	5.1	100	.059							1.62		23.65	92	.091						498.4						.059
	11 3/4	95.9	5.0	100	.360							↓		↓		↓						503.4						.360
	11 1/2	93.9	5.0	100	.029							1.56		22.77	79	.041						508.4						.029
	11 3/4	88.8	5.1	94	.034							↓		↓		↓						513.8						.034
	7	89.2	3.2	100	.045							1.94		28.32	80	.030						517.0						.045
	9	52.4	4.0	57	.009																	524.0						.009
	5 1/4	89.2	2.2	91	.004																	526.4						.004
	10	94.9	4.1	95	.047							1.31		19.12	66	.098						530.7						.047
	9 1/2	96.9	3.7	92	.131							↓		↓		↓						534.7						.131
	12 1/4	94.3	5.0	94	.102							0.88		12.84	45	.074						540.0						.102
	11 1/4	91.8	4.8	96	.059							↓		↓								545.0						.059
	12 1/4	100.0	5.0	100	.027							1.19		17.37	55	.020						550.0						.027
	1 3/4	17.8	0.8	20	.009							↓		↓		↓						554.0						.009
	7 3/4	73.5	3.5	81	.007							0.88		12.84	92	.013						558.3						.007
	9	69.3	4.8	90	.007							1.44		21.02	57	.024						563.6						.007
	8 1/4	62.3	4.6	85	.009																	569.0						.009
	4	81.6	1.8	90	.023																	571.0						.023
	10	81.6	4.8	96	.080							2.75		40.15	125	.036						576.0						.080
	4	40.8	2.0	50	.011																	580.0						.011
	5 1/2	44.9	2.7	54	.009							1.69		24.67	62	.011						585.0						.009
	4 3/4	38.7	2.7	54	.005							↓		↓		↓						590.0						.005
	4	18.1	2.0	22	.015							8.00		116.8	28	.015						599.0						.015
	1	81.6	0.5	100	.015							↑		↑		↑						599.5						.015
	4	81.6	2.0	100	.780							8.75		127.75	36	.031						601.5						.780
1.25 Lbs/Ft	11	59.0	4.5	59	.011						1.88 Lbs/Ft	↓		↓		↓						609.1						.011
	5	66	4.2	70	.090							0.94		13.7	99	.018						615.1						.090
	2 3/4	48	2.5	55	.006							0.44		↑								619.6						.006
	3	54	2.5	57	.015							↓		6.4	29	.006						624.0						.015
	2 1/4	33	2.3	42	.009							0.81		11.8	40	.018						629.4						.009

GEOLOGY

Granite (entire length)

Silicification: Mod Sil. / Heav. Sil. / Mod Sil. — Sparse Silic. — Moderate Silicification — Heav. Sil. — Mod. Sil. — Sp. Sil. — Strong Silic. — Strong Silicification — Sparse Silicification — Mod.-Strong Silic. — Mod.-Strong Silic. — Sp. Sil. — Strong-Mod. Silic. — H. Sil. — Moderate-Strong Silicification — Moderate-Strong Silicification — Sp. Sil. — Moderate-Strong Silicification — St. Silic.

Pyrite: Mod.-V.Sp. Pyr. — Mod. Pyrite — Sp. Pyr. — Moderate-Strong Pyrite — Sp. Pyr. — Moderate Pyrite — Sp. Pyr. — Mod. Pyr. — Sp. Pyr. — V.Sp. Py. — Mod. Pyr. — Mod. Pyr. — Moderate Pyrite — V.Sp. Pyr. — Mod. Pyr. — Heav. Pyr. — Sp. Py. — Strong Pyr. — Mod. Pyrite — V.Sp. Pyr. — Mod. Pyr. — St. Pyr.

Chalcocite: Very Sparse Chalcocite — St. Cc. — V.Sp. Cc. — Mod. Cc. — V.Sp. Cc. — Mod. Cc. — Very Sparse Chalcocite — Very Sparse Chalcocite — Very Sparse Chalcocite — Sp. Cc. — Very Sparse Chalcocite — Very Sparse Chalcocite — Mod. Cc. — V. Sp. Cc.

Limonite: Mod. Lim. — Sp. Limonite — V.Sp. Limonite — Sp. Lim. — Very Sparse Limonite — Sp. Lim. — V.Sp. Lim. — Mod. Lim. — V.Sp. Limonite — Sp. Lim. — Mod.-Sp. Lim. — V.Sp. Cc. Lim. — V.Sp. Cc. Lim. — V.Sp. Lim. — Sp. Lim. — Mod. Lim. — Very Sparse Limonite — Sparse-Very Sparse Limonite — Mod. Lim. — Mod. Lim. — V.Sp. Lim. — Mod. Lim. — V.Sp. Cc. Lim. — Mod. Lim. — V.Sp. Cc. Lim. — St. Limonite — St. Cc. Lim. — Mod. Cc. Lim.

Sericite: Strong-Moderate Sericite — Sp. Ser. — Heav. Ser. — Mod. Ser. — Heavy-Strong Sericite — Mod.-St. Sericite — H. Ser. — Mod.-St. Ser. — Sp. Ser. — Strong Sericite — Sp. Ser. — Moderate-Strong Sericite — Heav. Ser. — Moderate Sericite

Kaolin: Mod. Kaol. — Sp. Kaol. — Sp. Kaol. — Sp. Kaol. — Sp. Kaol.

Note: Some of the sericite may be alunite.

DRILLER'S LOG

BIT SIZE: 3 1/2" — NX — BX — AX

CASING: NX — BX — BX — AX

REMARKS: Incl. +24 1/2° — Incl. +23 1/2° — Incl. +21 1/2° — Incl. +21° — REAMED HOLE TO TAKE BX CASING — HOLE CAVING, LOST H_2O — Incl. +19 1/2° — Incl. +16° — Hole caving losing H_2O — Incl. +15 1/2° — Hole caving

SEE SHEET 2

SHEET 2

DIAMOND DRILL HOLE

PD-1

THREE R CLAIM
49,352.92 N
49,823.61 E
COLLAR ELEV. 5,376.5

INCLINATION + 25°

BEARING: N 80° E

THEOR. WT. OF CORE	ACTUAL WT. OF CORE	% REC. BY WEIGHT	FEET CORE RECOVERY	% CORE REC. BY FEET	% CU.	CU. COMP.	OZ. AU.	OZ. AG.	% FE	% CU OX.	THEOR. WT. OF SLUDGE	ACTUAL WT. OF SLUDGE	% MOISTURE OF SLUDGE	DRY WT. OF SLUDGE X FACTOR	% SLUDGE RECOVERY	% CU	CU COMP.	OZ. AU.	OZ. AG	% FE	% CU. OX.	DEPTH	% CU. OX.	% FE.	OZ. AG	OZ. AU	CU. COMP.	% CU
1.25 Lbs/Ft.											1.88 Lbs/Ft											629.4						
	2 1/4	33	2.2	41	.006							↓		↓	40							634.8						.006
	2	31	2.0	39	.195							1.94		28.3	101		.013					639.9						.195
	2	31	2.0	39	.022							↓		↓			↓					645.0						.022
	3 1/2	54	3.1	60	.006							0.88		12.8	51		.011					650.1						.006
	3 3/4	58	3.1	60	.008							↓		↓			↓					655.2						.008
	3	54	2.9	66	.008							0.75		10.9	51		.015					659.6						.008
	3 1/4	59	2.9	66	.008							↓		↓			↓					664.0						.008
	3 1/4	52	3.1	62	.006							1.31		19.1	77		.011					669.0						.006
	3 1/4	52	3.1	62	.006							↓		↓			↓					674.0						.006
	2	17	2.3	25	.013							1.62		23.6	90		.015					683.0						.013
	1 1/4	55	1.2	66	.006							0.38		5.5	124		.031					684.8						.006
	5 1/4	77	4.8	89	.008							0.88		12.8	46		.027					690.2						.008
	5 1/4	76	4.9	89	.006							↓		↓			↓					695.7						.006
	3 3/4	58	3.7	72	Tr							0.38		5.5	22		.016					700.8						Tr
	4	61	3.7	73	.009							↓		↓			↓					706.0						.009
	3	48	2.9	58	Tr							0.44		6.4	25		.011					711.0						Tr
	3	48	2.9	58	.009							↓		↓			↓					716.0						.009
	2 1/2	50	2.3	57	.009							0.62		9.1	44		.009					720.0						.009
	2 1/4	45	2.3	57	Tr							↓		↓			↓					724.0						Tr
	1 1/2	30	1.8	45	.011							0.38		5.5	50		.014					728.0						.011
	2	30	2.3	43	.011							0.94		13.7	47		.011					733.3						.011
	2 1/4	33	2.3	43	.007							↓		↓			↓					738.6						.007
	3 1/4	50	3.0	58	.009							0.88		12.8	48		.009					743.8						.009
	3	46	3.0	58	.011							↓		↓			↓					749.0						.011
	1 3/4	27	1.8	35	.009							1.38		20.1	69		.014					754.1						.009
	1 3/4	26	1.8	34	.014							↓		↓			↓					759.3						.014
	3	50	2.7	56	.011							1.38		20.1	83		Tr					764.1						.011
	3 1/4	53	2.7	55	.014							↓		↓			↓					769.0						.014

GEOLOGY

Granite — St. Silic. — Mod. Silication — St. Silic.
Strong Limonite — Mod. Cc. Lim. — Mod. Ser.
Moderate Limonite — Sp. Cc. Lim. — Moderate Chalcocite Limonite — Moderate–Sparse Chalcocite — Heavy Sericite — V. Sparse Brochantite

DRILLER'S LOG

BIT SIZE: AX
CASING
CEMENT
REMARKS: Incl. + 14½°

DEPTH OF HOLE 769.0 FT.
COMPLETED: MAY 7 1951

GEOLOGICAL DEPARTMENT,
CONSOLIDATED COPPERMINES CORPORATION.

Log. P.D. 1

RECEIVED
JUN 22 1951
F. N. PENNEBAKER