Preliminary Diamond Drill Log Hottentot No. H-3 76

Good Fe 10' good grade (South Hottentot)

0.0 - 41.3 Volcanic, dacitic, possibly exotic.

41.3 - 43.0 Bottom of NX casing, Mineralized zone, with magnetite, hematite and limonite, approx. 20 to 40 % iron; completely oxidized, with considerable ~~phy~~ pyrophyllite, talc, and sericite, some anthophyllite at 47.5; some tremolite.

43.0 - 132.0 Mineralized zone, same as above, with 10 to 60% Fe occurring as hematite, magnetite, and limonite; with hematite predominating in most sections; * some post-mineral brecciation at 51.5; small amounts epidote, gennet; and tremolite at 50.5 to 60.4, and considerable amounts at 80.8 to 102.0; veinlets of calcite, and some quartz ;calcite cuts magnetite; mostly clays along with jarositic areas at 123.2 to 125.2; small pods of hematite associated with magnetite and tremolite; some veillets of hematite and magnetite.

132.0 - 141.0 Fine-grained intrusive, slightly to heavily argillezed;

141.0 - 171.0 Granodiorite or diorite, slightly argillized and chloritized at 141.0 to 145.0; balance fairly fresh to fresh; small amounts of manganese at 156.0 - 156.5 and 158.0 - 158.5;

* 171.0 - 174.4 Shear zone, up to 25% Fe; highly argillized and jarositic.

174.4 - 175.0 Same as above

175.0 - 198.0 Mineralized zone with 5 to 55% Fe as magnetite, hematite, and limonite; considerable epidote and calcite at 177.0 - 181.0; pyrite and gypsum as grains and veinlets from 175.0 to 180.5, and as disseminated grains at 175.0 to 180.5; considerable leaching at 180.5 to 181.5; considerable augite and hornblende at 184.0;veinlets of calcite and quartz at 187.0 to 190.1; scattered pyrite at 192.0 - 192.7; traces of copper at 175.0, 187.0, 197 to200; pyrite as grains and veinlets at 191.0 to 198.0;

198.0 - 200.0 Fine-grained intrusive with considerable tremolite and chlorite at with associated magnetite and hematite;

200.0 - 227.0 Granodiorite or diorite; slightly alteted to fairly fresh; some leaching at 205.8 to 207.0; with a few veinlets of calcite and quartz; somewhat siliceous at 208 - 210; 8" gouge at 216.6 - 217.4; up to 5% hornblende at 218.2 to 227.0; occasional pseudomorphs of limonite after pyrite;

Bottom

Mino Hottentot Location Hole H-3 Shoot 1 of 3 77

Walker River Paiute Reservation

	ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
	Chlor	Carb	Arg	Ser	Sili	Ortho	Alb	Log	D P		Log	Pyr	Qtz	Fe	Cu	
0										Volcanics Dacite						
10																
20																
30																
40																%Fe
										Mineralized Zone						41
																59.7
50									45							50
									45							
									75							55.45
									30							
									15							
60									37							60
									65							
									55							
									35							59.66
									45							
									70							
70									75							69.5
									75							
									55							
									45							62.13
80									80							
									45							80.8
									70							
									45							49.82
									75							
90																91

FORM 106-B

PARKER MINING COMPANY

78

Mine Hottentot Location Hole H-3 Sheet 2 of 3

Walker River Paiute Reservation

ROCK AND ALTERATION					ASSAYS						MINERALIZATION			
Chlor	Carb	Arg	Ser	Sili	Ortho	Alb	Dip		Log	Pyr	Qtz	Fe	Cu
							80						
							70						
							45						
							55						
							55						
							45						
							65						
							50						
							45						
							45						
							20						
							45						
							45						
							45						
							85	Fine-grained intrusive					
							45						
							60						
							75						
							45						
							40	Diorite					
							50						
							50						
							50						
							60						
							35						
							40						
							65						
							60						
							60						
							75						
							50						
							50						
							50						
							40						
							70	Mineralized Zone					
							45						
							60						

90 100 110 120 130 140 150 160 170 180

49.8 60 10. 60 57. 55. 171 47

MARTEL MINING COMPANY

79

Mine Hottentot Location Hole H-3 Sheet 3 of 3

Walker River Paiute Reservation

	ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
	chlor	Carb	Arg	Ser	Silt	Ortho	Alb	Log	Dip		Loc	Pyr	Qtz	Fe	Cu	
180									70 45							
190									20							
200									35 60 50	FCI Diorite						
210									40 55 43 75							
									50 45 65							
220									35 40 45 55 61 50							
Bottom																
230																
240																
250																
260																
270																

% 47.8 15 40 19 41 80

FORM 155-B

WALKER-MARTEL MINING CO.
100 WASHINGTON STREET
RENO, NEVADA
TEL. 786-6405
CODE 702

10/26/67

A.K.Wilson, Jr.
Idaho Mining Co.
1015 Maplewood
Reno Nevada, 89502

Dear Mr. Wilson:

The following is a list of the assay pulps from the South and Southeast Hottentot drilling program turned over to you on todays date:

South Hottentot:

Drill hole #	Amt. of Samples	Interval
DDH-3	Pulps are missing, however the rejects are available at Schurz if needed.	
DDH-3A	1 pulp	130.0-147.1
DDH-3B	8 pulp	125.0-354.6
	2 missing	154.8-177.5
		188.4-207.4
	No sample	150.4-154.8
		177.5-188.4
		239.5-246.0
DDH-3C	11 pulp	000.0-157.5
	No sample	127.0-129.1
DDH-3D	5 Pulp	000.0- 94.5
DDH-3E	No observable mineral to 148.0 (Bottom)	
DDH-3F	7 pulp	19.0-135.0
	No sample	49.0-72.0
DDH-3G	7 pulp	19.5-150.5
	No sample	96.0-133.0
DDH-3H	1 pulp	163.5-178.5

Southeast Hottentot:

DDH-6	17 pulp	178.5-384.0
	No sample	261.0-269.5
		354.0-362.2
DDH-6A	6 pulp	293.5-423.2
	No sample	355.0-361.6
		387.0-396.7

Rotary drilling to the ore horizon has been completed on the following holes: 6B, 6C, 6D, 6E and 6F. No sample data available.

Very truly yours,

R L Redmond

Robert L. Redmond.

Received by A.K.Wilson, Jr. 10/26/67

SOUTH HOTTENTOT DRILL CORE ASSAYS: SAMPLE #: LAB #.

Hole #	Interval		Thickness	Lab #	Sample #
DDH-33A	41.0	50.5	9.5	4919-1	500R
	50.5	60.4	9.9	4919-2	649R
	60.4	69.5	9.1	4919-3	650R
	69.5	80.8	11.3	4950-1	709R
	80.8	91.0	10.2	" -2	710R
	91.0	102.0	11.0	" -3	711R
	102.0	112.0	10.0	" -4	712R
	112.0	122.0	10.0	" -5	713R
	122.0	126.0	4.0	" -6	714R
	126.0	171.5	45.5	No sample taken	
	171.5	184.0	12.5	4991-1	719R
	184.0	192.7	8.7	" -2	720R
	192.7	200.0	7.3	" -3	721R
DDH-3A	130.0	147.1	17.1	368	391V
DDH-3B	125.0	150.4	25.4	477-1	801R
	150.4	154.8	4.4	No sample taken	
	154.8	177.5	22.7	477-2	802R
	177.5	188.4	10.9	No sample taken	
	188.4	207.4	19.0	477-3	803R
	207.4	230.5	23.1	" -4	804R
	230.5	239.5	9.0	" -5	805R
	239.5	246.0	6.5	No sample taken	
	246.0	266.7	20.7	17398	989R
	266.7	292.7	26.0	17399	990R
	292.7	310.0	17.3	17400	991R
	310.0	331.2	21.2	17537	993R
	331.2	354.6	23.4	17538	994R
DDH-3C	000.0	13.5	13.5	31263	872R
	13.5	22.5	9.0	31264	873R
	22.5	28.5	6.0	31265	874R
	28.5	37.4	8.9	31266	875R
	37.4	49.1	11.7	31267	876R
	49.1	67.6	18.5	9163	825R
	67.6	91.0	23.4	9164	826R
	91.0	110.0	19.0	9165	827R
	110.0	127.0	17.0	9166	828R
	127.0	129.1	2.1	No sample taken	
	129.1	144.0	14.9	9602	829R
	144.0	157.5	13.5	9603	830R
DDH-3D	00000	25.0	25.0	10229	831R
	25.0	35.0	10.0	9895	832R
	35.0	51.0	16.0	9896	833R
	51/0	72.0	21.0	11413	834R
	72.0	94.5	22.5	11414	835R

DDH-3E Hole bottomed at 148.0 without encountering the ore horizon. May be located over down faulted section of the ore body.

Page 2 South Hottentot

Hole #	Interval		Thickness	Lab #	Sample #
DDH-3F	19.0	30.0	11.0	12957	846R
	30.0	49.0	19.0	12952	847R
	49.0	72.0	23.0	No sample taken	
	72.0	81.6	9.6	12953	848R
	81.6	103.3	21.7	12954	849R
	103.3	108.1	4.8	12955	850R
	108.1	125.0	16.9	13942	951R
	125.0	135.0	10.0	13943	952R
DDH-3G	19.5	48.5	29.0	15124	955R
	48.5	65.2	16.7	15125	956R
	65.2	66.7	1.5	15130	961R
	66.7	76.7	10.0	15126	957R
	76.7	82.2	5.5	15127	958R
	82.2	96.0	13.8	15128	959R
	96.0	133.0	37.0	No sample taken	
	133.0	150.5	17.5	15129	960R
DDH-3H	163.5	178.5	15.0	15682	962R
SOUTHEAST HOTTENTOT					
DDH-6	178.5	187.5	9.0	523-1	722R
	187.5	197.5	10.0	" -2	723R
	197.5	203.0	5.5	" -3	724R
	203.0	209.5	6.5	" -4	725R
	209.5	214.3	4.8	" -5	726R
	214.3	229.8	15.5	" -6	727R
	229.8	248.2	18.4	524-1	728R
	248.2	261.0	12.8	" -2	729R
	261.0	269.5	8.5	No sample taken	
	269.5	280.5	11.0	524-3	730R
	280.5	290.5	10.0	" -4	731R
	290.5	300.5	10.0	" -5	732R
	300.5	310.5	10.0	" -6	733R
	310.5	318.5	8.0	" -7	734R
	318.5	324.2	5.7	" -8	735R
	324.2	337.1	12.9	" -9	736R
	337.1	354.0	17.9	" -10	737R
	354.0	362.2	8.2	No sample taken	
	362.2	384.0	21.8	536	738R
DDH-6A	293.5	313.5	20.0	7852	807R
	313.5	333.5	20.0	7853	808R
	333.5	352.5	19.0	7854	809R
	352.5	355.0	2.5	8861	824R
	355.0	361.6	6.6	No sample taken	
	361.6	387.0	25.4	17539	995R
	387.0	396.7	9.7	No sample taken	
	396.7	423.2	26.5	17540	996R

The following holes have been rotary drilled to just above the projected ore horizon; DH-6B; C, D, E & F. No samples have been taken.

South Hottentot Drill Core Samples and Assays.

DH H-3

Interval		Thickness	Iron Assay %	
41.0	50.5	9.5	59.78	567.9
50.5	60.4	9.9	55.45	548.9
60.4	69.5	9.1	59.66	542.9
69.5	80.8	11.3	62.13	702.1
80.8	91.0	10.2	49.82	508.2
91.0	102.0	11.0	60.13	661.4
102.0	112.0	10.0	60.60	606.0
112.0	122.0	10.0	57.44	574.4
122.0	126.0	4.0 / 85	55.56	222.2
				4934.0 / 85 = 58.05
126.0	171.5	45.5	No Sample	
171.5	184.0	12.5	47.83	597.9
184.0	192.7	8.7	40.79	354.9
192.7	200.0	7.3	47.24	344.9
		28.5		1298.7 / 28.5 = 45.6

Composite sample of those making up the interval 41.0 through 126.0
SiO_2= 8.12% P= 0.13% S= 0.07% Cu= 0.10%

DH 3A (1)

130.0	147.1	17.0	54.29

(May have rotary drilled through limonite/hematite zone starting at approximately 100 feet.)

DH 3B

				%Copper
125.0	150.4	25.4	50.15	
150.4	154.8	4.4	No sample	
154.8	177.5	22.7	45.11	
177.5	188.4	10.9	No sample	
188.4	207.4	19.0	55.07	
207.4	230.5	23.1	51.83	
230.5	239.5	9.0	36.94	
239.5	246.0	6.5	No sample	
246.0	266.7	20.7	33.2	0.113
266.7	292.7	26.0	47.6	0.138
292.7	310.0	17.3	28.0	0.088
310.0	331.2	21.2	22.8	0.063
331.2	354.6	23.4	18.4	0.050

(13) 10 samples

DH 3C

0	13.5	13.5	21.9
13.5	22.5	9.0	21.3
22.5	28.5	6.0	17.3
28.5	37.4	8.9	25.9
37.4	49.1	11.7	9.2

South Hottentot Continued.

Interval			Thickness	% Iron	%Copper	
DH 3C continued.						
49.1	67.6	(12) 11 samples	18.5	50.4	0.088	1.628
67.6	91.0		23.4	47.6	0.094	2.199
91.0	110.0		19.0	61.6	0.088	1.672
110.0	127.0		17.0	61.2	0.075	1.275
127.0	129.1		2.1	No sample		
129.1	144.0		14.9	24.8	0.100	1.490
144.0	157.5		13.5	18.2	0.050	0.675
			106.3			8.939/106.3= 0.08 Cu
DH 3D						
0	25.0	5 samples	25.0	42.8		
25.0	35.0		10.0	41.2		
35.0	51.0		16.0	32.4		
51.0	72.0		21.0	15.0		
72.0	94.5		22.5	37.8		

DH 3E Bottomed at 148 feet. Peg Model indicates the possibility that the ore section may be down faulted below the bottoming depth. The intrusive rock was completely shattered . Hole cost was approximately $18/foot drilled.

DH 3F						
19.0	30.0	(8) 7 samples	11.0	43.6	479.6	
30.0	49.0		19.0/30	54.0	1026.0	
					1505.6/30 = 50.2	
49.0	72.0		23.0	No Samples		
72.0	81.6		9.6	49.2		
81.6	103.3		21.7	54.0		
103.3	108.1		4.8	29.2		
108.1	125.0		16.9	35.6	0.107	1.808
125.0	135.0		10.0	40.8	0.113	1.130
						2.938/26.9
DH 3G						
19.5	48.5	(8) 7 samples	29.0	46.0	0.119	3.451
48.5	65.2		16.7	61.2	0.050	0.835
65.2	66.7		1.5	44.8		
66.7	76.7		10.0	58.4	0.315	3.150
76.7	82.2		5.5	46.8	0.113	0.622
82.2	96.0		13.8	48.0	0.107	1.477
						8.165/75
96.0	133.0		37.0	No Samples		
133.0	150.5		17.5	50.4	0.113	
DH 3H						
163.5	178.5		15.0	56.0	0.050	

TABULATION of SPECTROGRAPHS

DH-3

%	Depth 41'-69.5	Depth 69.5-126	Depth 171-201
Sodium	< .03	< .03	< .03
Potassium			< .03
Titanium	< .03	< .03	< .03
Nickel	< .03	< .03	< .03
Chromium	< .03	< .03	< .03
Lead	< .03	< .03	
Zirconium	< .03	< .03	< .03
Magnesium	.03 - .30	.03 - .30	.30 - 3
Manganese	.03 - .30	.03 - .30	.03 - .30
Copper	.03 - .30	.03 - .30	.03 - .30
Aluminum	.30 - 3	.30 - 3	.30 - 3
Calcium	.30 - 3	.30 - 3	.03 - .30
Cobalt			< .03
Silicon	3 - 30	3 - 30	3 - 30
IRON	30 - 100	30 - 100	30 - 100
	Lab # 4919 Assay # 520R 649R 650R	Lab # 4950-7 Assay # 709R Thru # 719R	Lab # 4991-4 Assay # 719R Thru 721R

Abbot A. Hanks
August 26, 1964

BRANCH LABORATORY: 1096 MARTIN AVENUE • SANTA CLARA • CHERRY 8-5262
BRANCH OFFICE 31 DE LUCA PLACE • SAN RAFAEL • GLENWOOD 4-8650

CABLE: HANX

ABBOT A. HANKS, INC.
ESTABLISHED 1866
1300 SANSOME STREET • SAN FRANCISCO 11, CALIFORNIA • EXBROOK 7-2464

Engineers
Assayers
Chemists
Metallurgists
Spectrographers
Soils and Foundations
Consulting · Testing · Inspecting

LABORATORY REPORT

Sept. 15, 1964

Deposited by: Robert L. Redmond
1080 Pine Ridge Drive
Reno, Nevada

Sample of Ore

Labty. No.	Mark	Percentages	
3	Composite 500R-649R-650R 709R-710R-711R 712R-713R-714R	Silica	8.12
		Phosphorus	0.13
		Sulfur	0.07
		Copper	0.10

41° — 126° depth.
DDH #3.
So Hottentot.

ma

ABBOT A. HANKS, INC.
By Clifford V. Munsbou
Charles J. Taylor

SPEED MESSAGE

TO R. L. Redmond FROM W. L. Wilson

SUBJECT So. Hottentot

DATE 5-27-66 19

Bob: In connection with the data compilation on the South Hottentot, the following samples were sent for analysis for impurities that could be deleterious to an iron ore operation:

404V -- Composite from H3C, interval 49.1' to 127.0' (previous samples 825 R, 826 R, 827 R, 828 R)

405V -- Composite from H3F, interval 30.0 to 49.0 and 72.0 to 103.3' (previous samples 847R, 848R, 849R)

406V -- Composite from H3G, interval 48.5' to 76.7' (previous samples 956R, 961R, 957R)

955R -- H3G, interval 19.5' to 48.5'. (~~xxxxxxxxxxxxxxxx~~

The attached memo to Union assay office gives the elements for which determinations were requested.

SIGNED WLW

Copyline "SNAP-A-WAY" FORM 44-900 2-PARTS
SON JONES COMPANY • © 1961 • PRINTED IN U.S.A.

Telephone 363-3302

Hand Sample Serial 32057-32060

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Walker-Martel Mining Co.
100 Washington Street
Reno, Nevada

RESULTS PER TON OF 2000 POUNDS

June 3, 1966

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent P	Per Cent SiO_2
404 V	H3C	49.1 to	127.0				0.53			0.083	9.80
405 V	H3F	30.0 to 72.0 to	49.0 103.3	0.119			1.07			0.125	11.90
406 V	H3G	48.5 to	76.7	0.163			1.36			0.089	5.50
955 R	H3G	19.5 to	48.5				0.39			0.290	21.70

Remarks

Charges $ 54.50

Glen P. Williams

Telephone 363-3302

and Sample Serial 32057-32060

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Walker-Martel Mining Co.
100 Washington Street
Reno, Nevada

RESULTS PER TON OF 2000 POUNDS

June 3, 1966

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent P	Per Cent SiO_2
404 V	H3C	49.1 to	127.0				0.53			0.083	9.80
405 V	H3F AND	30.0 to 72.0 to	49.0 103.3'	0.119			1.07			0.128	11.90
406 V	H3G	48.5 to	76.7	0.163			1.36			0.089	5.50
955 R	H3G	19.5 to	48.5'				0.39			0.290	21.70

Remarks

Charges $ 54.50

Glenn P. Williams

MARTEL MINING CO.

HOTTENTOT PROPECT/

DH = DRILL HOLE

DH - 3A

MARTEL MINING CO. — HOTTENTOT PROSPECT

8

(1 of 8) DRILL HOLE-3A WELL LOG

(2 of 8) DH-3B

MAPS: LOCATION MAP 1" = 1000'

1:24000

No scale

1 0

2 0

3 0 3A 3B 3C

PRELIMINARY DRILL LOG

HOTTENTOT No. ~~[illegible]~~ 80

CHANGE, FROM DH4 (South Hottentot) to DH3A

0.0 - 50.0 Quartz- latite tuff, with up to 60% glass, but with some plagioclase and orthoclase; small amounts of quartz; 15-10% biotite.

50.0 - 83.0 Dacitic - aphanitic, but somewhat tuffaceous in places; buff to brown in color; some chloritized biotite visible; hematite as replacement or fracture filling at 75 to 80, possibly secondary in origin.

83.0 - 131.6 Silicified fine-grained intrusive, probably a border facies of diorite(?); considerable amounts of actinolite and amphiboles; chloritized; some fragments shows silicified groundmass with phenocrysts of plagioclase and orthoclase(?); magnetite and hematite in varying amounts, could not ne approximated because of poor sampling.

131.6 - 140.6 Mineralized zone with hematite and traces of magnetite,, quite clayey, some residual grains of magnetite; 130.0-147.1 runs 54.29% Fe

140.6 - 151.0 Same as above; tremolite at 145.3; more clayey from 145.3 to 151.0, being almost completely argillized and chloritized; gouge from 147.0 to 151.0.

151.0 - 152.5 Gouge

152.5 - 168.0 Fairly fresh grantic rock, granodiorite or diorite, with chloritization and argillization along fracture planes; epidote at 165.0; stained red and brown by iron oxides; traces of malachite at 161.0; a few scattered grains of limonite pseudomorphs after pyrite.

168.0 - 172.0 Same as above, with considerable epidote, garnet, & zoisite, both as grains and veinlets; moderatelt argillized at 168.0 - 172.0.

172.0 - 195.8 Same as above, but with shear zones at 172.0 - 173.0, 180.5 - 182.0, and 183.0 to 186.0, which are completely brecciated and partially argillized.

195.8 - 213.6 Same as above, but only slightly brecciated in a few areas; chloritized and argillizwd along fracture planes, with some epidote; stained reddish by iron oxides; slightly silicified.

213.5 - 229.4 Granodiorite or diorite, slightly to fairly altered along fractures, otherwise fairly fresh; shear zone at 222.5 to 223.5; somewhat silicified and some albitization(?);

229.4 - 263.3 Same as above with numerous pheocrysts of orthoclase ans plagioclase, and with considerable epidote, chlorite, and zoisite; scattered pseudomorphs of limonite after pyrite; occasional veinlets of calcite and chlorite; somewhat brecciated at 246.0 to 263.3; appears to be an silicified and albitized granodiorite(?).

263.3 - 270.0 BOT. SAME AS ABOVE ↑

Mine Hottentot Location Hole H-3A Sheet 1 of 3 81

Walker River Paiute Reservation

	ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
0	Chlor	Carb	Arg	Ser	Silt	Orth	Alb	Log	Dip		Log	Pyr	Qtz	Fe	Cu	
Plug										Qtz-latite Tuff						
10																
20																
30																
40																
50										Basalt						
60																
70																
80																
										FGE						
90																

FORM 100-B

MARTEL MINING COMPANY

Mine Hottentot Location Hole H-3A Sheet 2 of 3

Walker River Paiute Reservation

ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
Chlor	Carb	Arg	Ser	Sili	Ortho	Alb	Log	Dip		Log	Pyr	Qtz	Fe	Cu	
Plug						FG I			FG I						
90															
to B/C															
100															
110															
120															
130															
L.D.H								70	Mineralized Zone						
								65							
140								65							
								65							
150									Gouge						
								65							
								40							
								40							
								55	Biotite						
								45							
160								25							
								40							
								55							
								40							
								55							
								40							
								35							
								50							
								45							
170															
								40							
180															

Magnetite + Hematite - Per. staining

NO SAMPLE

130 → 147

52.29% IRON

MARTEL MINING COMPANY

Mine Hottentot Location Hole H-3A Sheet 3 of 3

Walker River Paiute Reservation

	ROCK AND ALTERATION					ASSAYS						MINERALIZATION			
	Chlor	Carb	Arg	Ser	Silj	Crtho	Alb	Log	Dj		Log	Pyr	Qtz	Fe	Cu
180									D						
									40						
									45						
190									35						
									50						
									45						
									50						
									45						
200									35						
									65						
									60						
									80						
									70						
									45						
210									45						
									35						
									50						
									45						
									50						
									45						
220									65						
									40						
									30						
									60						
									60						
									60						
									50						
									35						
230									35						
									40						
									50						
									40						
									60						
240									62						
									60						
									62						
									50						
									45						
250									55						
									50						
									55						
									65						
60									35						
									30						
									20						
									50						
									35						
270									75						

Bottom

FORM 135-B

BRANCH LABORATORY: 1086 MARTIN AVENUE • SANTA CLARA • CHERRY 8-5262
BRANCH OFFICE: 10 DE LUCA PLACE • SAN RAFAEL • GLENWOOD 4-8650

CABLE: HANX

ABBOT A. HANKS, INC.
ESTABLISHED 1866
1300 SANSOME STREET • SAN FRANCISCO 11, CALIFORNIA • EXBROOK 7-2464

Engineers
Assayers
Chemists
Metallurgists
Spectrographers
Soils and Foundations
Consulting · Testing · Inspecting

LABORATORY REPORT

Lab. No. 368

Date November 24, 1964

Submitted by Robert L. Redmond
1080 Pine Ridge Drive
Reno, Nevada 89502

Sample Mark 391V

So HOTTENTOT
DH-3A
130-147'

QUALITATIVE SPECTROGRAPHIC ANALYSIS
Metals Found and Estimated Percentage Range

Less than .03%	.03% to .30%	.30% to 3%	3% to 30%	30% to 100%
Sodium	Calcium	Aluminum		Silicon
Titanium	Magnesium			Iron
Nickel	Manganese			
Zirconium	Copper			

ma

ABBOT A. HANKS, INC.
By Charles J. Taylor
Spectro-Chemist

PRELIMINARY DIAMOND DRILL LOG

CHANGE FROM H-5 to DH 3B

0.0 - 14.0 Rotary - plug

14.0 - 124.2 Silicified fine-grained intrusive, probably a border facies of the diorite; up to 40% argillized and clayey to 26.0, with 20 to 60% silicification at 26.0 to 124.2; partially chloritized; with up to 45% chlorite, some amphibole relicts; actinolite and hornblende(?) in varying amounts, both almost completely chloritized; up to 1% pyrite in places g and pyrite both disseminated and as veinlets, partially oxidized, but some fresh; up to 5-10% quartz phenocrysts; plagioclase and orthoclse(?) as phenocrysts in a silicified groundmass; some of plagioclase shows good albite twinning; possibly albitization of diorite; (Thin-section shows what appeared to be orthoclase in hand-specimen to be plagioclase with combined albite-Carlsbad twinning); a small amount of garnet scattered through section; a small amount of epidote in places; some yellowish-brown staining by iron oxides; small amounts of carbonates throughout section.

124.2 - 175.0 Mineralized zone in diorite(?) with magnetite and hematite, principally magnetite; considerable actinolite and hornblende partially to completely chloritized, with increasing amounts when iron contents is low; 15 to 55% magnetite and/or hematite; 10 to 40 % chlorite (including amphiboles); magnetite and hematite showing a replacement texture in place of the diorite; some gypsum and manganese along fractures; small amount calcite as veinlets and in groundmass; up to 30% epidote at 156.2-163.0.

175.0 - 191.0 Sheared zone with some brecciated magnetite in a gouge of silicified fine-grained intrusive; magnetite oxidized to hematite.

191.0 - 240.4 Mineralized zone same as 124.2-175.0; with varying amounts of magnetite and/or hematite; with 30 to 60% iron at 191.0 to 231 and 10 to 45% at 231.0 to 240.4; no to 2% pyrite in two places, but 1% or less in rest of section; small amounts of carbonate, but up to 20% in places; 5 to 60% chlorite;

240.4 - 252.0 Sheared zone - same as above with brecciation of country-rock and iron; slightly more argillized.

252.0 - 307.1 Mineralized diorite, high in actinolite, hornblende, chlorite, with lesser amounts of calcite; with 25 to 60% magnetite and/or hematite in most of section, but dropping to 3 to 15% in small sections; diorite highly chloritized, to 50% chlorite; 3 to 20% carbonate; slightly to moderately argillized; slightly silicified; up to 2% pyrite in places; but usually less than 1%; trace of copper at 257.

307.1 - 354.6 Diorite - silicified in small areas, but mainly chloritized; 30 to 55% chlorite and amphiboles, principally chlorite; 10 to 20% carbonate; 1 to 3% pyrite at 307 to 321, and with scattered pyrite at 321 to 354; slightly argillized; some garnet at 349; shearing at 314.5-315.6 and 352.5-354.6; feldspar not prominent as above.

Bottom

MARTEL MINING COMPANY

Mine Hottentot Location Hole H-~~X~~ 3B Sheet 1 of 4

Walker River Paiute Reservation

	ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
	Chlor	Carb	Arg	Ser	Sili	Ortho	Alb	Ag	Dip		Log	Pyr	Qtz	Fe	Cu	
0										V						
10																
20										Volcanics? Detritus						
30										EGI						
									16							
									55							
									50							
									65							
40																
									65							
									20							
									60							
									20							
									65							
									85							
50									50							
									75							
									50							
									60							
									55							
									60							
60									20							
									70							
									42							
									42							
									22							
									75							
									42							
									50							
70									42							
									50							
									55							
									45							
									50							
									50							
80									70							
									20							
									50							
									50							
90																

FORM 150-B

Mine Hottentot Location Hole H-38 Sheet 2 of 4

Walker River Paiute Reservation

ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
Chlor	Carb	Arg	Ser	Sili	Ortho	Alb	Log	Dip		Log	Pyr	Qtz	Fe	Cu	

90, 100, 110, 120, 130, 140, 150, 160, 170, 180

FGI

Min. Zone

% IRON

1.05

Co. Ni Cu 50.15

Co. Ni Zn Ag 150.4 No Sample 151.8

Co. Ni Cu 45.11

Co. Ni 172.5 No Sample

FORM 100-B

MARTEL MINING COMPANY

Mine Hottentot Location Walker River Paiute Reservation Hole H-~~8~~ 3B Shoot 3 of 4

ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
Chlor	Carb	Arg	Ser	Sili	Ortho	Alb	Log	Dip		Loc	Pyr	Qtz	Fe	Cu	

180 190 200 210 220 230 240 250 270

Log: 65; 65; 45; 55; 45; 45; 75; 45; 35; 40; 20; 30; 42; 30; 62; 50; 45; 35; 75; 50; 35; 65; 60; 45; 40; 65; 60

NO SHR

185.

.03-.30 Mg

55.0

.03 Ni Cu

201.4

51.23

.03-.30 Mg.

.03 Ni Cu

23x5

.03-.30 Cu

36.64

.03 Ni Cu

239.5

246

266.7

FORM 188 B

MARTEL MINING COMPANY

Mine Hottentot Location Hole H-3B Sheet 4 of 4

Walker River Paiute Reservation

ROCK AND ALTERATION					ASSAYS						MINERALIZATION				
Chlor	Carb	Arg	Ser	Sili	Ortho	Alb	Bn	Dip		Loc	Pyr	Qtz	Fe	Cu	
								70	Mia Zone						
								65							
								45							
								45							
								45							
								45							
								35							
								45							
								35	Diorite						
								75							
								65							
								70							
								60							
								40							
								45							
								55							
								25							
								50							
								75							
								55							
								30							

270 280 290 300 310 320 330 340 0 360

Bottom

29 31 33 354

FORM 186-B

TABULATION OF SPECTROGRAPHS

H-3-B

Depth	Sodium	Potassium	Nickel	Cobalt	Chromium	Silver	Zirconium	Calcium	Magnesium	Manganese	Copper	Aluminum	Silicon	Iron
125-150 ft	<.03	[redacted]	<.03	<.03	<.03	<.03	<.03	.30-3	.30-3	.03-.30	.03-.30	.30-3	3-30	30-10
154 ft-177 ft	<.03	<.03	<.03	<.03	<.03	<.03	<.03	3-30	.30-3	.30-3	.03-.30	.30-3	3-30	30-1[illegible]
184 ft-207 ft	<.03	<.03	<.03	<.03	<.03	[redacted]	<.03	.03-.30	.03-.30	.03-.30	.03-.30	.30-3	3-30	30-1[illegible]
207 ft-230 ft	<.03	<.03	<.03	<.03	<.03	[redacted]	<.03	.03-.30	.30-3	.03-.30	<.03	.30-3	3-30	30-1[illegible]
230 ft-234 ft	<.03	<.03	<.03	<.03	<.03	<.03	<.03	3-30	.30-3	[redacted]	.03-.30	.30-3	3-30	30-1[illegible]

Abbot A. Hanks. Inc. Lab # 477-1 Thru 477-5
Assay # 801 R Thru 805 R

December 22, 1964

SPEED MESSAGE

TO R. L. Redmond FROM W. L. Wilson

SUBJECT So. Hottentot

DATE 5-27-66 19

Bob: In connection with the data compilation on the South Hottentot, the following samples were sent for analysis for impurities that could be deleterious to an iron ore operation:

404V -- Composite from H3C, interval 49.1' to 127.0' (previous samples 825 R, 826 R, 827 R, 828 R)

405V -- Composite from H3F, interval 30.0 to 49.0 and 72.0 to 103.3' (previous samples 847R, 848R, 849R)

406V -- Composite from H3G, interval 48.5' to 76.7' (previous samples 956R, 961R, 957R)

955R -- H3G, interval 19.5' to 48.5'. (~~samexnmxbrxxaxxa~~

The attached memo to Union assay office gives the elements for which determinations were requested.

SIGNED WLW

Gray Line "SNAP-A-WAY" FORM 44-900 2-PARTS
WILSON JONES COMPANY • © 1961 • PRINTED IN U.S.A.

Telephone 363-3302 Hand Sample Serial .....

Mine Walker-Martel Mining Co.
100 Washington Street
Reno, Nevada

UNION ASSAY OFFICE, Inc.
W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

RESULTS PER TON OF 2000 POUNDS June 3, 1966

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent P	Per Ce SiO_2
404 V	H3C	49.1 to	127.0				0.53			0.083	9.80
405 V	H3F	30.0 to 72.0 to	49.0 103.3	0.119			1.07			0.128	11.9
406 V	H3G	48.5 to	76.7	0.163			1.36			0.089	5.50
955 R	H3G	19.5 to	48.5				0.39			0.290	21.7

Remarks .....

Charges $ 54.50 Glenn P. Williams

Telephone 363-3302 Hand Sample Serial 32057-32060

Mine Walker-Martel Mining Co.
100 Washington Street
Reno, Nevada

ASSAY REPORT

UNION ASSAY OFFICE, Inc.
W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
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NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent P	Per Ce SiO_2
404 V	H3C	49.1 to	127.0				0.53			0.083	9.80
405 V	H3F AND	30.0 to 72.0 to	49.0 103.3	0.119			1.07			0.128	11.9
406 V	H3G	48.5 to	76.7	0.163			1.36			0.089	5.50
955 R	H3G	19.5 to	48.5				0.39			0.290	21.7

Remarks .....

Charges $ 54.50 Glenn P. Williams

WALKER RIVER PAIUTE RESERVATION

Hottentot H-3-C

Bottom: 212.3

South Hottentot

Walker-Martel Mining Company

DDH - Vertical

0.0 - 6.0 Metamorphics, calc-silicates, 30% amphiboles, 10-30% magnetite as pods, 5% chlorite; part of amphiboles is actinolte.

6.0 - 8.0 Gouge and breccia, fine-grained diorite(?) fragments in gouge.

8.0 - 28.5 Mineralized fine-grained diorite(?), with 5-20% magnetite, considerable gypsum as veinlets and replaceing grounmass; several veinlets of gypsum; 10-30% actinolite; small amount carbonate in groundmass; slightly argillized to highly chloritized.

28.5 - 29.2 Gouge

29.2 - 40.0 Mineralized fine-grained diorite(?), with 5-25% magnetite as pods and veinlets; up to 30% actinolite; up to 60% chloritized, with considerable gypsum along fractures along with limonite, and occasional veinlets of calcite; green copper stains on seams at 34.0'.

40.0 - 44.0 Fine-grained intrusive, diorite(?); with 35-40% plagioclase, 20% orthoclase, 5% quartz, 5-10% amphiboles, and 10-15% pyroxenes; light colored; moderate amount silicification, slightly argillized, small amount secondary albite; some chlorite.

44.0 - 45.2 Gouge and breccia

45.2 - 49.1 Same as 40.0-44.0.

49.1 - 91.0 Mineralized diorite with varying amounts of magnetite from 5 to 50% magnetite with some hematite, 25-50% magnetite at 49.1-55.0, 10-20% at 55.0-58.6, 15-40% at 58.6-67.0, up to 5% at 67.0-67.6, 10% at 67.6-69.1, 25-40% at 69.1-76.7, 15-45% at 76.7-86.0, 15-35% at 86.0-91.0'; small amount copper carbonates at 78.4 and 85.0; 2 to 10% calcite at 54-57' and 64-69'; slightly chloritized, but highly chloritized along some fractures; slightly to moderately argillized; varying amounts actinolite;

91.0 - 127.0 Mineralized zone with 25 - 60% magnetite, averaging 55-60%; some hematite and limonite; brecciated at 92.6-95.0; at 119-127 section highly fractured and oxidized; small amounts carbonate; slightly to moderately argillized and chloritized; small amounts actinolite in groundmass; occasional veinlets gypsum; up to 3% pyrite at 97-100'; gouge at 113.0-113.8'; 109-119 good lump ore; some zeolites in vugs at 123.9-125.0'.

127.0 - 129.1 Heavy gouge with 2-5% iron.

129.1 - 139.0 Diorite, with up to 55% amphiboles, almost completely chloritized, groundmass argillized; up to 3% gypsum; gouge and breccia at 131.0-132.2; 10% magnetite at at 136.3-136.9; 5% magnetite at 130.0-131.0, and 1-3% at in balance of section; up to 3% pyrite; traces of bornite and chalcopyrite at 138.8'; most of pyrite oxidized to limonite; veinlets of gypsum at 132.3-139.0.

139.0 - 142.0 Same as above but with 20-30% magnetite; 20-55% amphiboles, 10-20% plagioclase; 2-5% pyrite, partially oxidized;

142.0 - 156.0 Same as above but with only up to 10% magnetite; approximately 2% pyrite, partially oxidized; 25% chlorite; up to 8% calcite; considerable leaching at 154.5-155.0'; brecciated at 156.2-157.5; small amount gypsum.

156.0 - 212.3 Chloritized diorite; appears to have been high in amphiboles and pyroxenes; up to 3% limonite as veinlets and as pseudomorphs after pyrite; brecciated at 161.0-161.5; heavy gouge and breccia at 199.2-203.0; brecciated at 204.7-212.3'; numerous veinlets calcite; occasional epidote.

Bottom

DRILL LOG

COMPANY NAME Walker Martel Mining Company

MINE Hottentot | COORDINATES OF COLLAR: | SHEET 1 OF 2 | SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada | N | BY EFL | AU. @

HOLE NO. H-3-C | E | DATE

BEARING | LENGTH OF HOLE 212.3 feet | CASING -

DIP Vertical | HOLE SIZE NC 0-30.4'; NX 30.4-212.3

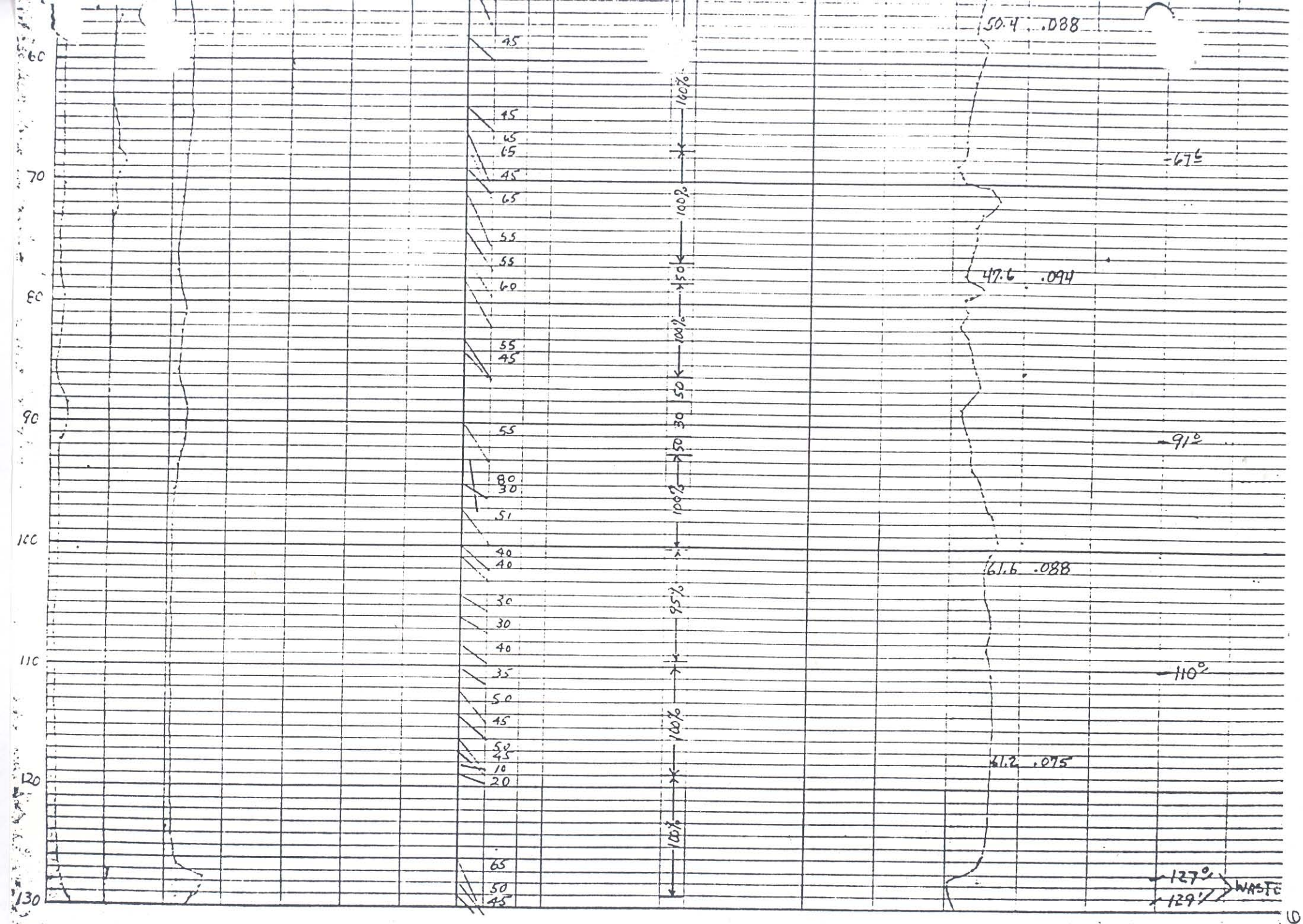
Boyles Bros. Drilling Company | ACCOMPANIED BY NARRATIVE LOG YES [X] NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION					
Chlor	Garb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe %	Cu %		INTERVAL SAMPLED
										Metamorphics	20%							
										Gouge	50%							
								55		Mineralized diorite								
								15										
								40										
								40										
								20			65%							
								45										
								35										
								45/45										
								30			75%							
								50										
								55										
								55			90%							
								60										
								50										
								45										
								45			100%							
								40										
								70			50%							
											30							
								55										

0 10 20 30 40 50

-44'

16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100%
50
100%
50
30
50
100%
95%
100%
100%
50.4 .088
-67½
47.6 .094
-91°
61.6 .088
-110°
61.2 .075
-127°
-129½
WASTE

L LOG

COMPANY NAME Walker Mari ining Company

MINE Hottentot | COORDINATES OF COLLAR: | SHEET 2 OF 2 | SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada | N | BY EFL | AU. #

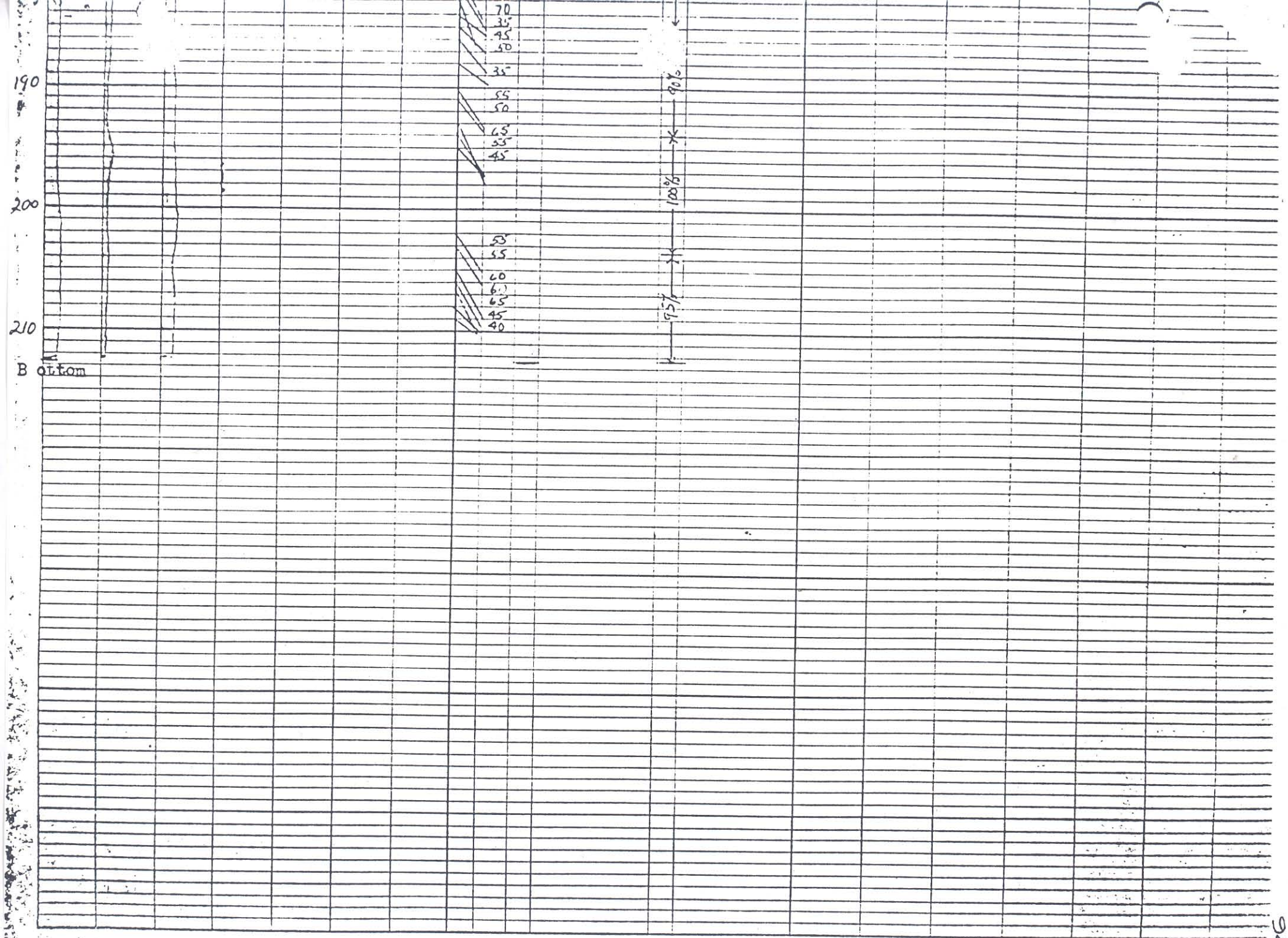
HOLE NO. H-3-C | E | DATE

BEARING | LENGTH OF HOLE | CASING

DIP | HOLE SIZE

ACCOMPANIED BY NARRATIVE LOG YES ☐ NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION					
							LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS		Py	Fe%	Cu.		Interval sampled
130								20			100%							
								30							24.8	0.100		
								40										
140								45										
								60			90%							144'
								65										
150								50										
								45			90%				18.2	.050		
								65										
								55										
								50		Diorite								157'
160								50										
								30			90%							
								70										
								65										
								50										
								65										
170								30										
								65			80%							
								30										
								55										
								60										
								35										
								40										
								70										
180								50										
								60			95%							
								55										
								70										
								35										


70
35
45
50
35
55
50
65
55
45
55
55
60
65
65
45
40
90%
100%
95%
190
200
210
Bottom

METALLURGICAL LABORATORIES CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO 3, CALIFORNIA
UNDERHILL 3-8575

Submitted by Union Assay Office, Inc.
P. O. Box 1528
Salt Lake City, Utah

Date October 18, 1965

Sample of ~~Robert L. Redmond~~
Composite 829R, 830R

Qualitative Spectrographic Analysis

METALS FOUND AND PERCENTAGE RANGE

LESS THAN 0.01%	.01 TO .10%	.10 TO 1.0%	1.0 TO 10.0%	MAJOR	LAB NO.
Strontium	Titanium	Manganese	Calcium	Iron ✓	4464
Boron	Barium	Sodium	Magnesium	Silicon	
Chromium	Vanadium	Potassium	Aluminum		
Nickel	Zirconium	DH 3C			
Cobalt	Copper ✓				
		129' to 157'			

	Cu	Fe
129' – 144'	0.10%	24.8%
144 - 157'	0.05%	18.2%

REMARKS:

METALLURGICAL LABORATORIES

By [signature]
SPECTROCHEMIST

WALKER RIVER PAIUTE RESERVATION

Walker Martol Mining Company

Hottentot H-3-D

Bottom: 150.0 feet

DDH - Vertical

0.0 - 17.0	Fine-grained intrusive with finely crystallined magnetite and a small amount crystallined hematite; approximately 50% hematite; some chloritized diorite, with remnant hornblende; 20-30% iron at 0.0-35, 50% at 5.0-6.0', 10-20% at 6.0-15.0', 5% at 15.0-17.0'; diabasic texture at 6.5-14.0; approximately 80% hornblende at 15.0-17.0; stained yellow and red by iron oxides.
17.0 - 24.7	Same as above; 5-10% iron at 17-24'; diabasic texture may be due to chlorite.
24.7 - 29.0	Fine-grained intrusive, probably diorite, high in amphiboles, completely chloritized and argillized; veinlets of gypsum; fine-grained euhedral magnetite crystals, partially altered to hematite; magnetite crystals scattered through groundmass of actinolite and hornblende; stained yellowish brown, small ampunt gypsum.
29.0 - 51.0	Same as above except mineralized; 50% iron at 34-36', 20-35% iron at 33-34', 20-35% at 36-41', 15-30% at 41.0-45.0, and 5% at 36-41'.
51.0 - 87.5	Chloritized diorite, high in amphiboles; 5% iron; most of magnetite over to hematite and limonite; groundmass 55-70% actinolite and hornblende, completely chloritized; greenish clay; fair amount zeolites in vugs; considerable limonite, hematite, and gypsum; 10-30% iron at 73.5-83.4, 25% iron at 83.4 - 87.4.
87.5 - 150.0	Diorite, highly siliceous; argillized and chloritized at 87.5 - 94.5; highly brecciated; 5% quartz, 20% orthoclase, 20-25% plagioclase, 10-20% actinolite and hornblende; small amount garnet at 117.5-118.9 and 114.0; fairly fresh at 129.6-131.5; 5-15% epidote at 140.0-143.5; slightly to highly silicified.

Bottom

LOG

COMPANY NAME WALKER MARI INING COMPANY

MINE Hottentot | COORDINATES OF COLLAR: | SHEET 1 OF 2 | SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada | N | BY EFL | AU. %

HOLE NO. H-3-D | E | DATE 10/7/65

BEARING | LENGTH OF HOLE 150' | CASING none

DIP Vertical | HOLE SIZE NC to 32.0'; NX 32.0-150.0'

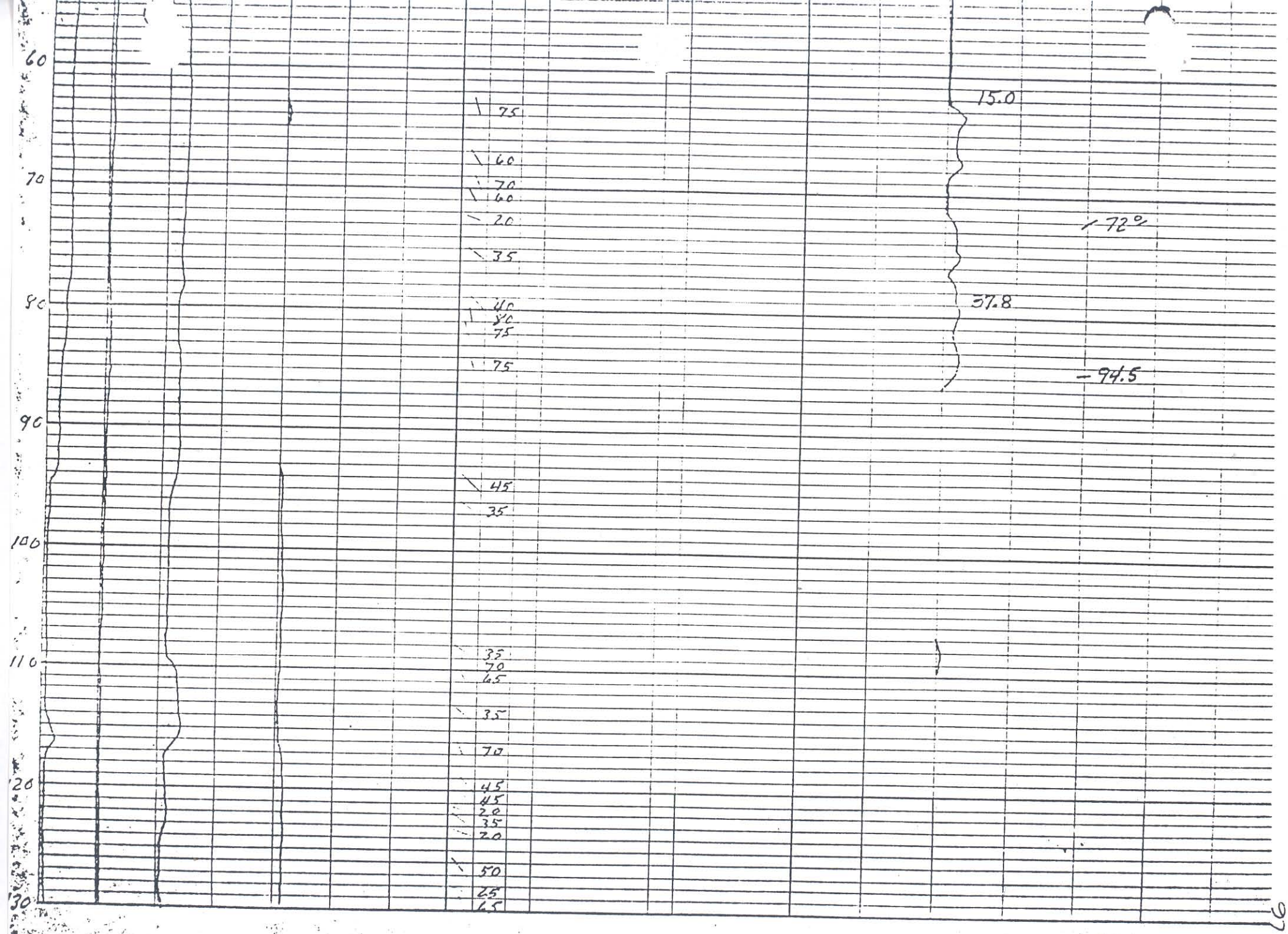
Boyles Bros. Drilling Company

ACCOMPANIED BY NARRATIVE LOG YES [X] NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION				
Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe %	Cu	Interval sampled
										Altered fine-grained intrusive, Diorite(?)							
								35							42.8		
								55									
								50									
								45									
								25									
								20									
								60							32.4		
								70									
								55									
										Diorite							

0 10 20 30 40 50

25° 41.2 35° 32.4 51°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25
65
15.0
72°
37.8
94.5

L LOG

COMPANY NAME WALKER MAR INING COMPANY

MINE Hottentot | COORDINATES OF COLLAR: | SHEET 2 OF 2 | SCALE 1"=10'

LOCATION | N | BY | AU. $

HOLE NO. H-3-D | E | DATE

BEARING | LENGTH OF HOLE 150 feet | CASING

DIP | HOLE SIZE

ACCOMPANIED BY NARRATIVE LOG YES ☐ NO

	ALTERATION							LOG AND ROCK TYPE						MINERALIZATION					
	Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe	Cu		
130											Diorite								
									45										
									50										
									50										
									45										
140									65										
									65										
									35										
									45										
									50										
									20										
									65										
150									60										

Hottentot H 3E

WALKER RIVER PAIUTE RESERVATION

Walker Martel Mining Company

DDH 0 - 148.5'

Bottom: 148.5 feet

Vertical

0.0 - 28.6	Fine grained intrusive, quartz diorite in composition; bleached, stained brown in spots by limonite; 5% epidote, 10% chlorite; sli argillized.
28.6 - 46.0	Quartz diorite, gray to tan in color, fine grained; 30% plagioclase, 25% orthoclase, 3-5% biotite, _% amphiboles and pyroxenes; 10-20% chloritized, moderately silicified; slightly argillized; trace to ½% pyrite at 30-40'; 12 inch shear zone at 42.0;
46.0 - 118.0	Same as above; brecciated at 47-95'; heavy green clay at 104-118'; shear zone.
118.0 - 148.5	Quartz dicrite, same as above; 2% garnet at 118.0; 10-25% epidote, 5-10% garnet and 5-10% amphiboles at 122.2-127.0; Brecciated 135.0-140.5'.

Bottom: 148.5'

L LOG

COMPANY NAME Walker Mar ining Company

MINE Hottentot

COORDINATES OF COLLAR:

SHEET 1 OF 2 SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada

N

BY EFL

AU. @

HOLE NO. E-3E

E

DATE 10/65

BEARING

LENGTH OF HOLE 148.5 feet

CASING

DIP Vertical

HOLE SIZE NX

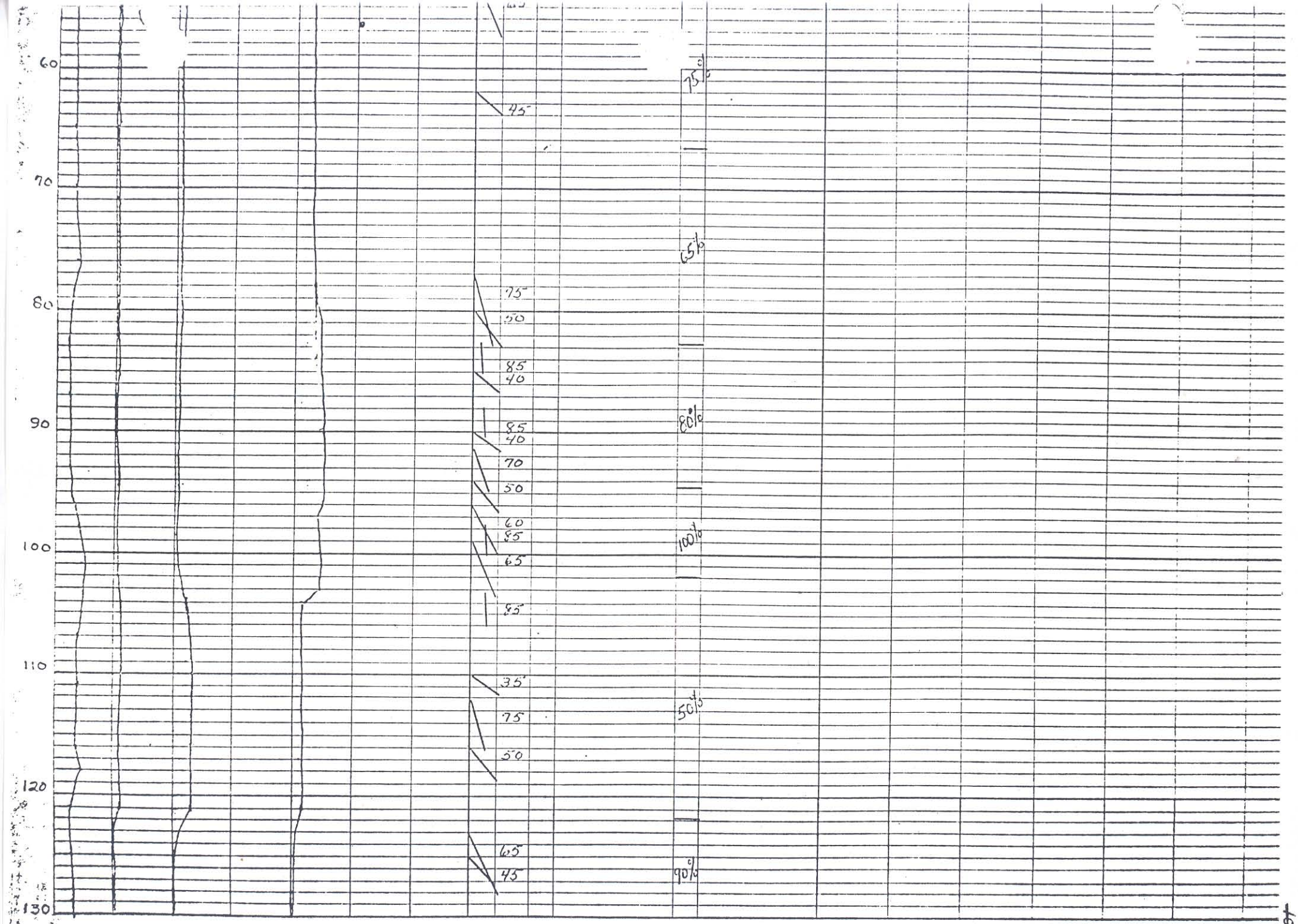
Boyles Bros. Drilling Company

ACCOMPANIED BY NARRATIVE LOG YES [X] NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION						
Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe	Cu			
										Qtz-diorite Fine-grained									
											15%								
								65											
								65											
											100%								
								30											
								25											
								55			90%								
								65											
								45			90%								
								55											
								60											
								40			90%								
								50											
								45											
								65											

0 10 20 30 40 50

20'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85
35
75
50
65
45
75%
65%
80%
100%
50%
90%

102 101

DRILL LOG

COMPANY NAME Walker M . Mining Company

MINE Hottentot | COORDINATES OF COLLAR: | SHEET 2 OF 2 | SCALE 1"=10'

LOCATION | N | BY EFL | AU. @

HOLE NO. H-3E | E | DATE

BEARING | LENGTH OF HOLE | CASING

DIP Vertical | HOLE SIZE NX

ACCOMPANIED BY NARRATIVE LOG YES [X] N

	ALTERATION							LOG AND ROCK TYPE						MINERALIZATION					
	Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe	Cu		
130									35										
									90			40%							
140																			
												25%							
	Bottom: 148.5'																		

102

WALKER RIVER PAIUTE RESERVATION

Walker Martel Mining Company

DDH - 0.0 - 159.0'

Bottpm: 159.0 foot

Vertical

0.0 - 7.5 Volcanics, andesitic(?); 5% mica, small amount quartz; groundmass completely argillized.

7.5 - 18.2 Fine grained intrusive, quartz diorite(?); moderately chloritized.

18.2 - 20.0 Fault zone, heavy clay

20.0 - 51.6 Mineralized zone; 20-35% magnetite with some limonite; 10-25% amphiboles; 20-35% chloritization; part of magnetite euhedral; at 27-40' magnetite appears to have been depoited along shear zone at 75-85°.

51.6 - 72.4 Fine grained intrusive, quartz diorite; 30-40% plagioclase as phenocrysts in finer grained groundmass; considerable chlorite.

72.4 - 103.3 Mineralized zone; 30-35% magnetite at 72.4-83.0, 50% at 83-94', and 20-35% at 94-103'; with some limonite and hematite; occasional veinlets gypsum; 10-20% amphibole at 83.5-93.5' partially replaced by chlorite. Occasional pyrite at 80-93'.

103.3 - 121.2 Contact zone; amphibole, garnet, gypsum, trace pyrite; 1% pyrite at 119'; trace chalcopyrite at 103'; 20-35% magnetite.

121.2 - 123.4 Argillized mineral zone, same as above but highly argillized; 20% magnetite, trace pyrite.

123.4 - 125.0 Mineralized zone, same as 103.3-121.2; 20% magnetite; 1-3% pyrite.

125.0 - 131.2 Argillized mineralized zone; same as 121.2-123.4; 10-30% magnetite; moderately chloritized.

131.2 - 135.0 Same as above, with considerable hematite; highly argillized.

135.0 - 159.0 Fine grained intrusive, quartz diorite; 35-45% plagioclase, 15% orthoclase, 10-20% amphiboles, 2-3% limonite; heavy clay at 135.4-137.0 and 144.0-144.5'; brecciated at 137-141; heavy clay at 148.7-149.5; brecciated 142.8-152.6, and brecciated with thin clay seams at 152.6-157.2.

Bottom: 159.0 feet

_L LOG

COMPANY NAME Walker-Martz Mining Company

MINE Hottentot

COORDINATES OF COLLAR:

SHEET 1 OF 2 SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada

N

BY EFL

AU. $

HOLE NO. H-3F

E

DATE 10/65

BEARING

LENGTH OF HOLE 159.0'

CASING

DIP Vertical

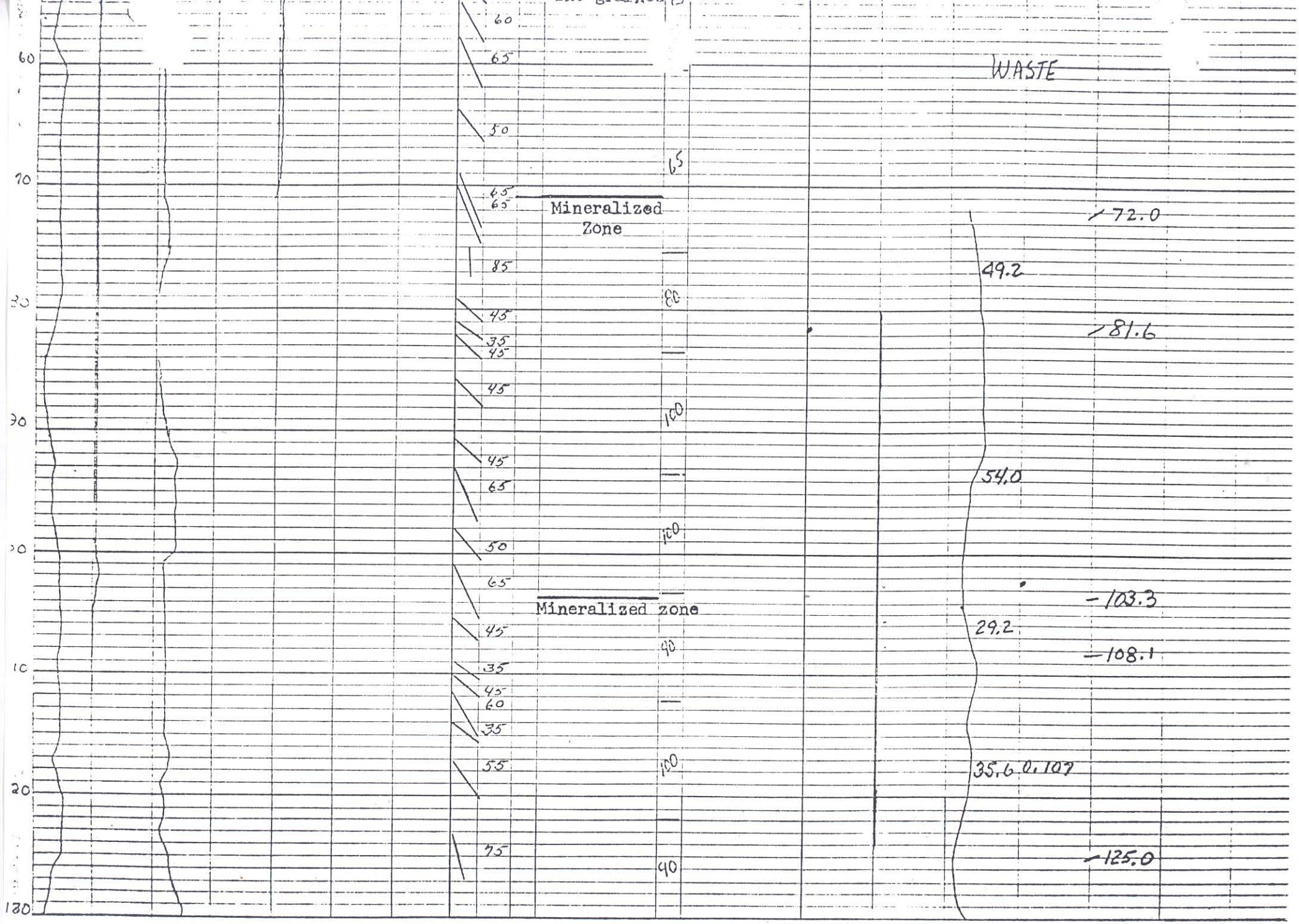
HOLE SIZE NX

Boyles Bros. Drilling Company

ACCOMPANIED BY NARRATIVE LOG YES [X] NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION					
	Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe %	Cu %	Interval SAMPLED
0											Andesite(?)							
												70						
10											Qtz-diorite? Fine-grained	35						
20									85		~~Fault gouge~~							19°
									85		Mineralized zone	85						
									45							43.6		
30																		30°
									85			70						
40									75							54.0		
												90						
50																		49.0
									40 85 45		Qtz-diorite Fine-grained							

104


WASTE
Mineralized Zone
Mineralized zone
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49.2
54.0
29.2
35.6 0.107
72.0
81.6
103.3
108.1
125.0
60
70
80
90
100
110
120

LOG

COMPANY NAME Walker-Marte. ing Company

MINE Hottentot | COORDINATES OF COLLAR: | SHEET 2 OF 2 | SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada | N | BY EFL | AU. %

HOLE NO. H-3F | E | DATE

BEARING | LENGTH OF HOLE 159.0 | CASING

DIP | HOLE SIZE

ACCOMPANIED BY NARRATIVE LOG YES ☐ NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION				
Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe	Cu	Interval
30								45		Mineralized zone					40.8	0.113	
								65									135°
								45									
								65		Quartz-Diorite Fine-grained	100						
40								75									
								75									
								55									
50																	
								60									
								70									

Bottom 159.0 feet

106

Walker Martel Mining Company

DDH: 0.0 - 175.0

Bottom: 175.0 foot

Vertical

DH H 3 G

(South Hottentot)

0.0 - 5.0 Alluvium

5.0 - 14.0 Andesite, dense, dark green, highly chloritized; moderately argillized.

14.0 - 14.6 Gouge, with 3-5% magnetite.

14.6 - 19.5 Andesite, dense, dark green; with small amount magnetite as indiviual grains & crystals.

19.5 - 37.5 Mineralized zone, with magnetite up to 35% as grains, crystals, and small pods in highly argillized and chloritized groundmass; considerable actinolite; small amount hematite, considerable limonite.

37.5 - 98.0 Mineralized zone, more massive; some hematite and limonite admixed with magnetite; fair amount gypsum, with 3-10% at 81.6-89.8' and 90-98'; clay seams at 40-42' and 66.2-66.8'; small amount calcite on some fractures; considerable chloritization; some actinolite; limonite replacing pyrite 81.6-89.8'.

98.0 - 100.6 Breccia; highly chloritized and argillized.

100.6 - 131.8 Diorite, fine grained; highly silicified; up to 20% phenocrysts plagioclase and orthoclase; 3-5% biotite; occasional grains pyrite; clay and breccia at 118.6-131.8'.

131.8 - 152.1 Mineralized zone, same as 89.8-98.0' above; moderate amounts hematite and limonite after pyrite; magnetite around fragments of diorite; considerable gypsum.

152.1 - 155.0 Quartz-diorite, fine grained; up to 25% actinolite and hornblende altering to chlorite; small amount manganese.

155.0 - 175.0 Same as above with plagioclase, orthoclase, quartz, biotite, small amount epidote; moderately silicified.

Bottom

.L LOG

COMPANY NAME Walker Mar Mining Company

MINE Hottentot

COORDINATES OF COLLAR:

SHEET 1 OF 2 SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada

N

BY EFL

AU. %

HOLE NO. H-33

E

DATE 11/65

BEARING

LENGTH OF HOLE 175 feet

CASING

DIP Vertical

HOLE SIZE NX

Borles Bros. Drilling Company

ACCOMPANIED BY NARRATIVE LOG YES X NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION					
Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe %	Cu %	Interval SAMPLED	
										Alluvium								
										Andesite	20							
											100							
											100							
										Gouge								
										Andesite	35							
										Mineralized zone	100							
								45										
								55										
											80							
								60							46.0	0.119		
								35										
											70							
								70										

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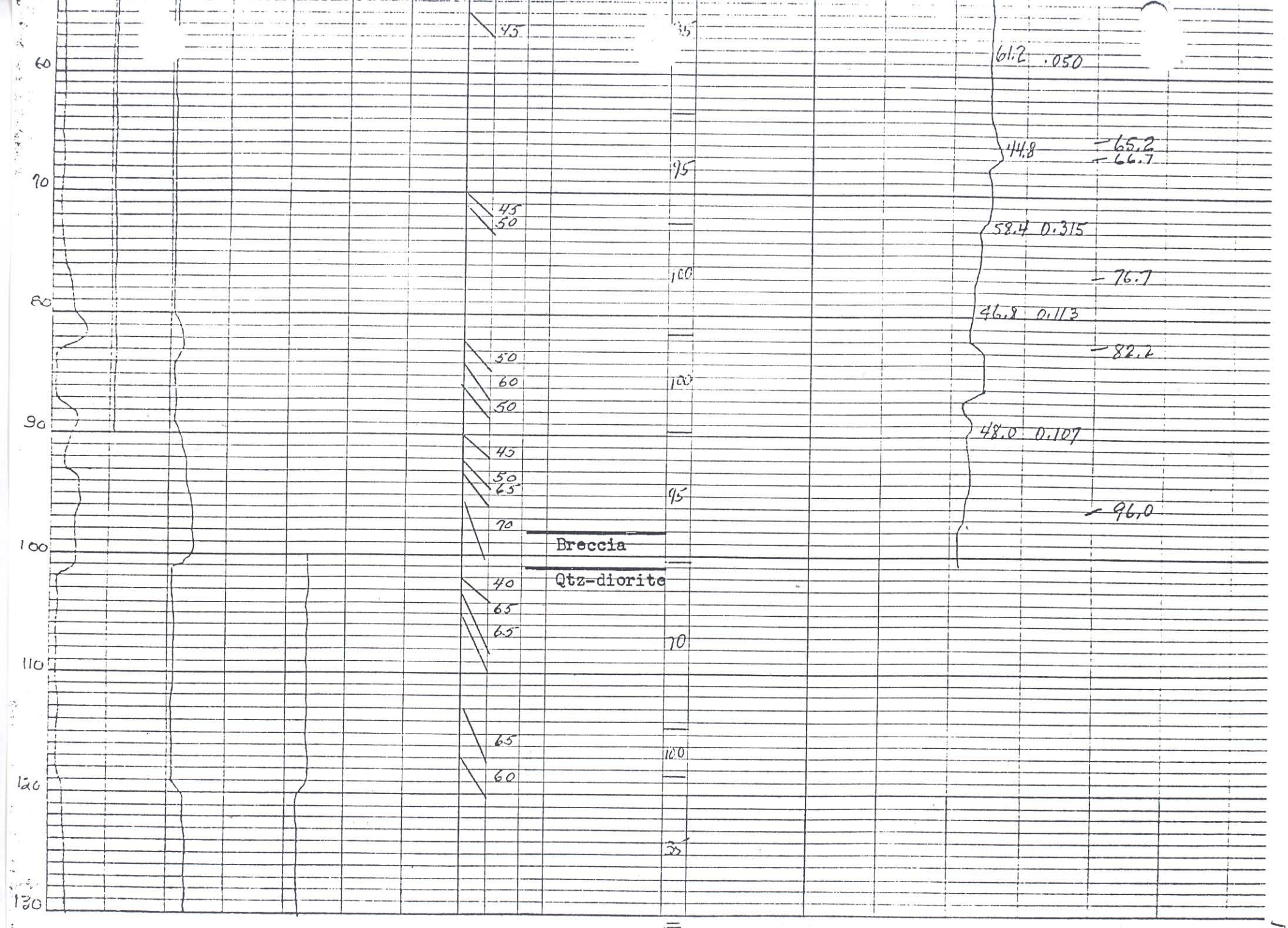
19.5

48.5

108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100
35
61.2 .050
44.8
65.2
66.7
58.4 0.315
76.7
46.8 0.113
82.2
48.0 0.107
96.0
Breccia
Qtz-diorite

L LOG

COMPANY NAME Walker Mart ining Company

MINE Hottentot | COORDINATES OF COLLAR: | SHEET 2 OF 2 | SCALE 1"=10'

LOCATION | N | BY EFL | AU. #

HOLE NO. H-3G | E | DATE

BEARING | LENGTH OF HOLE 175 feet | CASING

DIP Vertical | HOLE SIZE NX

ACCOMPANIED BY NARRATIVE LOG YES X NO

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION				
Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe	Cu	Interval SAMPLED
										Qtz-diorite							
										Mineralized zone							133.0
															50.4	0.113	
											45						
																	150.5
										Qtz-diorite							
											25						

Bottom: 175.0 feet

110

WALKER RIVER PAIUTE RESERVATION

Walker Martel Mining Company

DDH 0.0 - 221.0'
(South Hottentot)
Vertical

Bottom: 221 foot

0.0 - 7.0 Alluvium

7.0 - 90.2 Quartz-latite tuff; plagioclase, orthoclase, 3% quartz, 10% biotite, 20-25% glass, 5% fragments; biotite euhedral, up uo 40% glass at 22.5-32.4'; scattered grains magnetite at 32.4; biotite plated bent around other grains at 70.7-81.0'.

90.2 - 145.0 Quartz-latite tuff, fine grained; slightly to almost completely argillized; slightly reddish in color at 116.3-123.7; occasional fragments of other volcanics; highly brecciated at 138.0-145.0

145.0-- 145.5 Mineralized zone in fault breccia, magnetite in quartz diorite.

145.5 - 163.3 Quartz-diorite, fine-grained; highly brecciated, silicified; 20% plagioclase, 15-20% hornblende and actinolite, partly chloritized; fairly fresh at 160.0-160.6; occasional grains pyrite.

163.3 - 178.6 Mineralized zone; magnetite up to 20 to 50% as grains and pods with some actinolite in silicified fine-grained intrusive (quartz-diorite(?); considerable admixed hematite at 173.1-178.6'.

178.6 - 192.8 Quartz-diorite, slightly to highly brecciated; slightly to moderately argillized; fair amount chlorite, especially along fractures.

192.8 - 221.0 Quartz-diorite with 30-35%plagioclase, 10-15% orthoclase, 5% quartz, 3-5% biotite; up to 10% plagioclase phenocrysts and 7% quartz phenocrysts; 20% hornblende at 192-201'; chlorite along fractures.

Bottom: 221.0 feet, 12/6/65

DRILL LOG

COMPANY NAME Walker Mater Mining Company

MINE Hottentot

COORDINATES OF COLLAR:

SHEET 1 OF 2

SCALE 1"=10'

LOCATION 12 miles east of Schurz, Nevada

N

BY EFL

AU. ¢

HOLE NO. H-3H

E

DATE 12/8/65

BEARING

LENGTH OF HOLE 221.0 feet

CASING

DIP Vertical

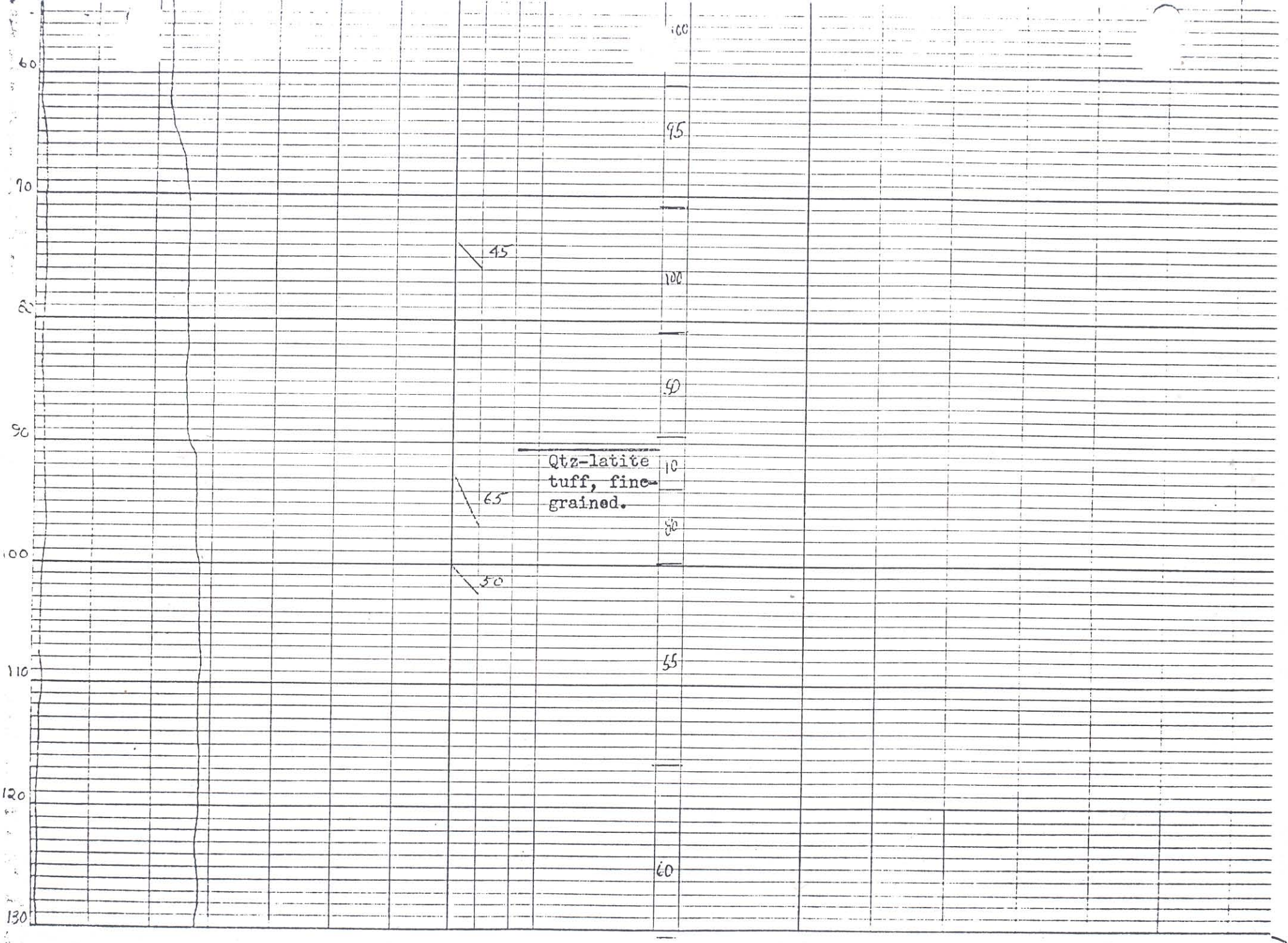
HOLE SIZE NX

Boyles Bros. Drilling Company

ACCOMPANIED BY NARRATIVE LOG YES [X]

	ALTERATION							LOG AND ROCK TYPE						MINERALIZATION					
	Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe	Cu		
0											Alluvium								
												15							
												25							
10											Qtz-latite tuff								
												100							
20												100							
30												100							
40												95							
50												90							

112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Qtz-latite tuff, fine-grained.
10
65
80
50
55
60

DRIL G

COMPANY NAME Walker Martel Mi. Company

INE Hottentot COORDINATES OF COLLAR: SHEET 2 OF 2 SCALE 1"=10'

OCATION N BY AU. ©

OLE NO. H-3H E DATE

EARING LENGTH OF HOLE 221.0 feet CASING

IP Vertical HOLE SIZE

ACCOMPANIED BY NARRATIVE LOG YES ☒ NO ☐

ALTERATION							LOG AND ROCK TYPE						MINERALIZATION						
Chlor	Carb	Arg	Ser	Sili	Alb	Ortho	LOG	DIP	LOG	ROCK DESCRIPTION	% CORE	REMARKS	Qtz	Py	Fe	Cu	Interval SAMPLED		
										Qtz-latite tuff, fine-grained.									
								65			70								
						140													
										Mineralized Qtz-diorite									
						150													
											65								
						160		80											
								30 45		Mineralized zone	85						163.5		
						170									56.0	.050			
								35			70								
						180		75 55		Qtz-diorite							178.5		

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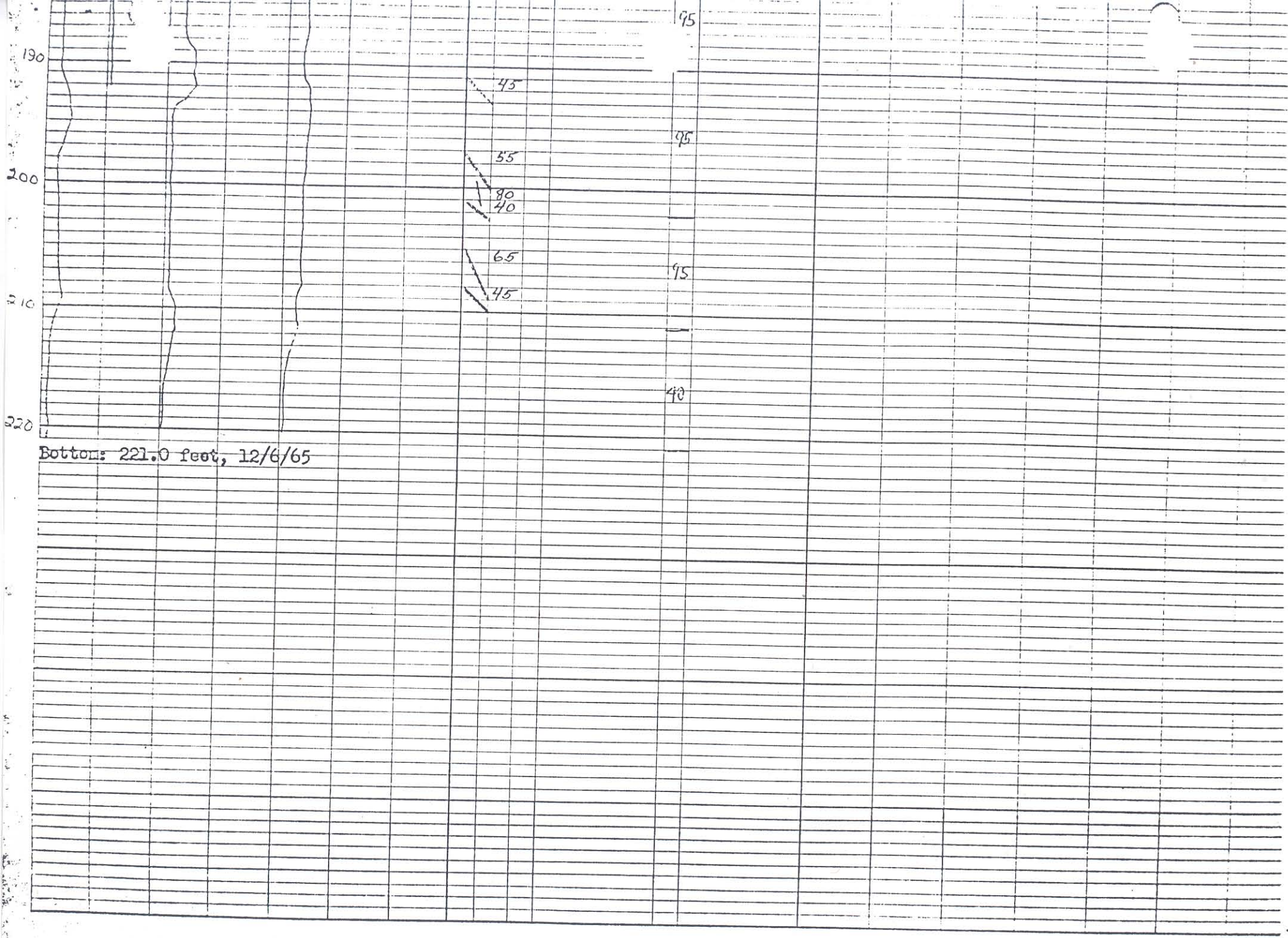

Bottom: 221.0 feet, 12/6/65