

002757

Oct 13 / 55

OXIDE Drill Core Ox 14

0-6 overburd.

6-21 white lime interbedded with brown
mucous layers - to silver green
white ls at 10, 23-2521-79 brown phyll arg. - some quite hard
and silic - all brown and slight green
'37-70 is mostly brown and gray
could be Reno. 70-78 lt gray to
greenish gnt.

79-84 brown phyll arg - fine

84-85 white ls.

85-126 silver green and brown fine, shaly
with narrow bands ls. 125-126
is gray poorly bedded ls.126-144 creamy white with black shalys, cracked
dolomite. some much white. Similar
to much HB style dol.144-184 brown mic arg, slightly fine, with
1/2" and less bands gray ls. some
brownish ls184-218 greenish gray siliceous and siliceous
rock. 214-218 essentially white
gnt. with films of green mica.

Bottom of J-33

Top of J-64 ~~D-185~~

Bottom J-61 ✓

122 - Rumble Mt. (59.60)

60V - ls. at end. OK

✓ J-33 - Bottomed in HZ - Yarrow

✓ J-45 check on arg at top.

✓ K-18 for section at 300 (48)

✓ E-20 4400 N. - 68° E for 4400

J-44 across arg at top. ✓ Boulder 1' arg

✓ J-63 1st arg at base. 580-600

(-30W) 0-65 hanging ind, 65-580 gen carb. ✓
(peculiar gen carb?)

J-67 (E2) topping lot.

No.	Lat	Lip &	Direction	Depth	
20	4400	-68	E	306	✓
1	4500	+10	W	209	"
2	"	-25	W	104	✓
3	"	-90		145	✓
4	"	-10	E	103	
5	"	+25	E	108	
6	"	+90		111	
7	4600	-20	W	105	✓
8	"	-90		106	✓
9	"	0	E	99	
10	"	+40	E	92	
11	4700	0	W	161	✓
12	"	-40	W	90	✓
13	"	-80	W	92	J34
14	"	0	E	121	
15	"	+40	E	89	
16	"	+80	E	89	
17	4800	-10	W	141	
18	"	-50	W	629	✓
19	"	-90		238	✓

✓ 67 ≡ E 2

- 89-155 Blue grey ls with $\frac{1}{2}$ - $\frac{1}{2}$ " whips of black argillite
- 155-186 Black non. liney arg. some brown shaly beds near 89
- 186-200 grey & blue shaly ls grading into green & brown shaly & liney arg
- 200-232 Dark grey ls grading into
- 232-250 mottled green & brown shaly ls + black arg
- 250-282 Graded to grey & siliceous arg some good black arg 275-282
- 282-294 Grey ls with spotted brown arg - much in ls
- 294-320 Black argillite
- 320-360 Light grey dolomite with black carbonaceous whips
- 360-677 Black liney arg with some sections few inches of good blue black ls or 2-4' sections of light grey ls + siliceous ca 600
- 677-700 (ca) Grey ls + siliceous grading into dark brown & grey liney mottled
- 700-715 siliceous rock
- 715-734 Black. grey dolomite arg grading into
- 734-871 Grey dolomite with irregular black streaks locally liney few specks plus 2m noted 2' blue arg at 860
- 871-888 Black siliceous argillite shaly liney

563

Boxes 142 missing.

105-199 Grey x tatters ls

133-136. from shag arg

199-222 Grey + brown shag arg tatters

222-271 whitish grey marine tatters ls

271-325 missing

325-440 Light grey dolomite 392-431 in

5' of box

440-469 Dolomite a ls

469-585 shag ls, irregular dolomite
some bands near top to core

no arg seen, the core broken

585-600 Black siltstone limy arg.

1620

- | | |
|--------------|---|
| 0-18 | mass, coarse gr. wh ls |
| 18-29 | pyt Zn in dol. |
| 29-58 | banded dol. |
| 58-69 | whish ls |
| 69-73 | green and brown speckled arg |
| 73-104 | mixed brown ls + sk arg |
| 104-133 | mostly arg + ls |
| 133-142 | siliceous black to dk gr arg |
| 142-154 | brown arg + ls |
| 154-168? | grey gft with green silicals - Reno. |
| 168-209 | siliceous sk arg + minor ls |
| 209-235 | grey gft with silicals Reno - band,
about 1/2 to core
much white gft nr 232 - badly
broken |
| Fault at 235 | |
| 235 - end | black arg + chert. |

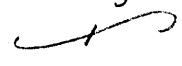
K 10	at core shack at lower part of Tarkenton	Do &
0-32	Grey banded dolomite	Split 27-32 mostly pyrite
32-72	32-38 banded dolomite	
	38-45 pyrite + zinc in dolomite	
	45-53 uniform grey dolomite	
	53-55 some pyrite + zinc	
	55-68 poorly banded dolomite	
	68-72 pyrite, lead & zinc	
72-90	72-74 uniform grey dolomite	
	74-88 pyrite lead & zinc	
	88-90 dolomite breccia	
90-112	MISSING	
112-132	poorly banded grey dolomite	
	115-146 pyrite & zinc	
132-166	132-148 uniform dark grey dolomite	
	148-157 uniform light grey dolomite	pyrite + zinc
	157-166 pyrite + zinc	
166-206	166-175 "	
	175-206 poorly banded light grey dolomite	bedding parallel to core
206-248	poorly banded grey dolomite	247-250 pyrite + zinc
248-294	248-261 dolomite	
	261-275 pink & white skarny L.S.	
	275-292 white L.S.	
294-333	292-313 greenish skarny argillite	
	313-333 green skarny argillite + white L.S.	
333-378	333-363 "	
378-421	363-409 skarny greenish quartzite	
	409-420 green & brown argillite	
421-463	420-463 mixed white L.S. & brown argillite	
463-499	463-470 brown & white L.S.	
	470-477 skarny green & brown argillite	
	477-499 grey & white L.S.; minor argillite	
499-533	499-518 grey & white poorly banded L.S. minor dolomite	
	518-523 green siliceous argillite	
	523-528 white quartz	
	528-534 yellow & green siliceous argillite	
533-567	534-542 brown & white L.S.	
	542-550 skarny argillite; minor L.S. (MINOR)	

550-567 Skarny brown quartzite
 Skarny grey & brown quartzite
 0-67-607
 607-620
 620-628 white quartzite
 END of HOLE

K 19

0-18	poorly banded grey dolomite
18-63	" "
63-101	" " pyrite + zinc 68-77
101-136	101-103 "
	103-117 white L.S.
	117-124 dolomite; pyrite + zinc 121-128
136-167	134-159 whitish L.S. some brown argillite
	159-167 fine grained massive light grey dolomite
167-207	167-170 L.S. + micaceous argillite
	170-172 grey dolomite
	172-188 broken L.S. & skarny argillite (several cores)
	188-207 skarny brown argillite or quartzite
207-	208-228 "
	228-234 L.S. + skarny argillite
	234-238 black argillite tight contact

END of HOLE.



Drill Core July 25, 1955.
- at upper Portal - Jack Pot.

K 11

0-145 Dark grey cracked dolomite with
minor serpentine. Ore section 50-67
120-143 split ^{↳ dolomite + galena + pyrite + sphalerite}
145-158 Grey white massive crystalline L.S.
158-161 Grey poorly banded dolomite. Bands nearly
parallel to core
END of HOLE

K 8

0-36 Dark & light grey dolomite
36-88 Thinly banded grey & white dolomite
36-42 split pyrite galena sphalerite
49-73 split 49-84 split
88-106 Grey L.S. Few $\frac{1}{4}$ " wisps of skarny argillite
END of HOLE

K 7

0-13 Grey & white dolomite
13-17 split brown sphalerite + very
minor pyrite & galena
13-56 Dark grey poorly banded dolomite
48-56 split fine grained sphalerite pyrite
+ galena; some well defined thin bands
56-80 Grey banded dolomite
One section 66-70, 74-78
80-99 Grey poorly banded L.S.

K 3

99-105 ³/₄" wisps of brown argillite at 85
skarny L.S. + minor dolomite 99-105
END of HOLE
0-76 grey thinly banded dolomite
4-23 split some sections of massive
fine grained pyrite & sphalerite.
50-52, 56-63 split
76-94 Crystalline grey L.S.; some serpentine
+ brown garnet (?). + thin bands of brown argillite
94-102 Grey L.S. + brown argillite
102-120 Grey L.S. + thin bands of brown argillite (over)

120-145 Light grey & brownish L.S. + brown
skarny argillite in bands up to 8" thick
END of HOLE

K2

0-20 Dark grey dolomite
20-53 Dark & light grey mottled dolomite
53-68 split
68-74 Grey & white banded dolomite
74-90 Grey L.S. + some serpentine
90-104 Skarny L.S. + thin bands of brown argillite
some L.S. contains brown garnets & green
silicates specimen at 95 1/2
END of HOLE

K1

0-23 Grey mottled L.S. with black serpentine
13-24 split sphalerite, pyrite & coarse calcite
23-85 Dark grey mottled dolomite + minor serpentine
85-113 grey dolomite + minor L.S.
102-107 split pyrrhotite galena
sphalerite pyrite
113-190 grey & white mottled dolomite some pyrrhotite
ores split 146-160, medium grained
sphalerite pyrite galena massive
sulfides
167-173 split as above + minor serpentine
190-209 grey massive L.S. Garn + brown things locally
END of HOLE

CGH

		Tack Post Drilled. 10 days		(1)
June 28 1955	<u>L 2</u>	Drilled West at -10°		From N.
1	0-1 1-20 20-27 27-32	Black Argillite & L.S. Skarny Brown Argillite & L.S. Grey Quartzite with silicates Brown micaceous quartzite		
2	<u>32-63</u>	" " " all		
3	63-67 67-78 78-101 101-103	slightly skarny Light grey skarny quartzite Brown micaceous quartzite Green & brown skarny argillite white L.S.		
4	<u>103-115</u> 115-129	White L.S. with brown partings Green & brown skarny argillite + L.S.		
5	<u>129-138</u> <u>138-145</u> 145-166	Grey banded L.S. Grey poorly banded L.S. Mixed skarny argillite & grey L.S.		
6	166-172 <u>172-173</u> <u>173-198</u>	Grey poorly banded L.S. mineralized dolomite Grey & white poorly banded dolomite 175-187 is mineralized { Pyrite Sphalerite		
7	<u>198-208</u> 208-228 228-232 232-240 <u>240-241</u>	Very coarse crystalline L.S. Grey & white L.S. Spotted brown argillite (Spec @ 231) White L.S. with brown streaks Skarny brown argillite		
8	<u>241-260</u> 260-274 274-277	Mixed skarny argillite & whitish L.S. green & brown skarny argillite + minor L.S. Grey siliceous (finely banded) probably siliceous		
9	<u>276-283</u> <u>283-288</u>	Grey siliceous finely banded L.S. Whitish L.S.		
10	<u>288-298</u> 298-307 <u>307-313</u> <u>313-318</u>	Green & brown skarny argillite white L.S. Dark brown argillite & L.S. Siliceous brown argillite		

	4.2	(cont'd)	(2)
	318-331	brownish L.S.	
	331-338	shaly brown argillite + minor L.S.	
	338- 348	Grey and brown micaceous quartzite	
		with grey shaly beds at 338	
11	348 - 383	shaly grey and brown	quartzite
12	383 - 407	" " "	"
		END of HOLE	
	L 3	Drilled West at -41° from	
		4100 Level at Lat. 4100 N.	
1	0-4	grey L.S. + Black argillite	
	4-25	Mixed whitish L.S. green & brown	
	25-35	siliceous grey quartzite (Top of Reno)	shaly argillite
		(specimen at 25)	
2	<u>35</u> - <u>69</u>	Grey & brown micaceous quartzite	
3	<u>69</u> - <u>84</u>	" " "	
	<u>84</u> - <u>103</u>	green & brown shaly + L.S. at 87, 88	# 90
4	<u>103</u> - <u>105</u>	brown argillite	
	<u>105</u> - <u>139</u>	Whitish L.S. + minor shaly argillite	
5	<u>139</u> - <u>147</u>	Mostly shaly argillite	
	<u>147</u> - <u>156</u>	Grey L.S.	
	<u>156</u> - <u>163</u>	Brown shaly argillite	
	<u>163</u> - <u>175</u>	White L.S. with brown streaks	
6	<u>175</u> - <u>203</u>	Various siliceous argillite	
	<u>203</u> - <u>215</u>	Grey & white L.S.	
7	<u>215</u> - <u>251</u>	Grey & white poorly bonded L.S.	
8	<u>251</u> - <u>255</u>	L.S.	
	<u>255</u> - <u>285</u>	Mixed Argillite + L.S.	
9	<u>285</u> - <u>291</u>	"	
		END of HOLE	

(3)

L1 -

Drilled West
on 4100 Level at Lat 4800N

0 - 34

Block finely banded slightly limey
skarny argillite (F. Herald)

2 34 - 70

"

"

"

(Sample @ 40)

3 70 - 109

"

"

"

4 109 - 149

"

"

"

5 149 - 190

"

most banding parallel to core

6 190 - 226

same + 1 ft of breccia banded
with calcite at 225

7 226 - 258

same

8 258 - 293

same

9 293 - 327

same

+ much sheared &
broken

END of HOLE

J 64 -

1 0 - 120

Broken core of L.S. & Dolomite

2 113 - 153

Gray & white L.S. dolomitic at 150
contains black argillite at 152

3 153 - 157

dolomite + L.S. & L.

157 - 176

Blocky black argillite with minor L.S.

176 - 190

whitish dolomite

4 190 - 231

light grey finely banded dolomite

5 231 - 250

Gray dolomite

250 - 268

blocky black argillite minor dolomite

6 268 - 309

Black limey argillite

7 309 - 344

" " " finely banded
with some skarny brown layers

8 344 - 383

same

9 383 - 411

skarny black argillite poorly banded

411 - 425

L.S. & brown & white siliceous rock

10 425 - 431

Syke

431 - 441

gray & white L.S.

441 - 457

green & brown skarny argillite + minor L.S.

457 - 463

white L.S. with brown streaks

11 463 - 500

Green & brown skarny argillite
with minor L.S.
497-500 may be quartzite

			J 64 (con'd)		(4)
12	<u>500 - 511</u>	grey quartzite with light grey silicated quartzite at 502			
	<u>511 - 512</u>	Granite			
	<u>512 - 524</u>	Grey quartzite			
	<u>524 - 535</u>	Green and brown skarny argillite			
	<u>535 - 538</u>	L.S. with mica argillite			
13	<u>538 - 558</u>	white L.S. with mica argillite			
	<u>558 - 575</u>	green & brown skarny argillite			
	<u>575 - 577</u>	Solomite			
14	<u>577 - 583</u>	skarny argillite			
	<u>583 - 615</u>	grey dolomite; argillite at 600 & 610			
15	<u>615 - 656</u>	all grey L.S.; 1 ft dolomite at 648			
16	<u>656 - 667</u>	grey L.S.			
	<u>667 - 692</u>	mostly dolomite; pyrite & zinc 675-678			
17	<u>692 - 734</u>	banded grey dolomite; pyrite & zinc 716-722			
18	<u>734 - 773</u>	banded dolomite; limy 765-773			
19	<u>773 - 812</u>	slightly limy dolomite			
20	<u>812 - 830</u>	Mostly dolomite			
	<u>830 - 850</u>	Mostly L.S.			
21	<u>850 - 872</u>	"			
	<u>872 - 887</u>	Mostly dolomite			
22	<u>887 - 931</u>	" "			
23	<u>931 - 973</u>	" " ; pyrite & zinc 938-961			
24	<u>973 - 1013</u>	banded " zinc 978-981			
25	<u>1013 - 1037</u>	Grey and white L.S. with mica argillite			
	<u>1037 - 1042</u>	silicated brown argillite			
	<u>1042 - 1045</u>	grey silified L.S.			
	<u>1045 - 1048</u>	silicated brown argillite			
		END of HOLE			

J 62

1	<u>0 - 55</u>	black non-limey argillite
2	<u>55 - 91</u>	same
3	<u>91 - 114</u>	black slightly limey well foliated black argillite
	<u>114 - 127</u>	black banded skarny argillite slightly limey
4	<u>127 - 162</u>	same
5	<u>162 - 186</u>	same
6	<u>186 - 212</u>	same
7	<u>212 - 231</u>	same
	<u>231 - 233</u>	white L.S.
	<u>233 - 238</u>	brown argillite with some L.S.
8	<u>238 - 239</u>	skarny argillite
	<u>239 - 258</u>	Grey poorly banded L.S. with minor skarny argillite
	<u>258 - 273</u>	Syke
9	<u>273 - 274</u>	"
	<u>274 - 297</u>	brown skarny argillite & L.S.
	<u>297 - 300</u>	Mostly whitish L.S.
	<u>300 - 310</u>	grey micaceous quartzite; no light grey bed
10	<u>310 - 344</u>	banded brown & green skarny argillite with L.S. at 327, 340
11	<u>344 - 380</u>	grey micaceous quartzite with siltites
12	<u>380 - 382</u>	"
	<u>382 - 396</u>	skarny argillite + minor L.S.
	<u>396 - 415</u>	white L.S.
13	<u>415 - 423</u>	" " + minor argillite
	<u>423 - 454</u>	Green & brown skarny argillite + L.S.
14	<u>454 - 458</u>	Hard grey dolomite
	<u>458 - 475</u>	bleached brown argillite
	<u>475 - 498</u>	Grey L.S. minor argillite
15	<u>498 - 533</u>	Grey L.S. some broken bands
16	<u>533 - 556</u>	L.S.
	<u>556 - 572</u>	mostly dolomite with minor serpentine
17	<u>572 - 613</u>	poorly banded dolomite + some serpentine
		zone 575-580; 586-590 banded mineralization 592-595

18	J 62 (Cont'd) <u>613-653</u>	mostly banded dolomite zinc & serpentine 628-640 640-644 - dyke	(6)
19	<u>653-695</u>	zinc 644-648 in serpentine + calcite mostly dolomite with serpentine bands (sample 658)	
20	<u>695-744</u>	mostly dolomite	
21	<u>744-784</u>	all banded dolomite	
22	<u>784-830</u>	all dolomite; pyrite + zinc	818-830
23	<u>830-870</u>	all poorly banded dolomite	
24	<u>870-889</u> <u>889-899</u>	grey & white L.S. broken argillite & L.S. END of BOX E	

1	J 59 <u>0-130</u> 10-20 20-26	grey quartzites; light grey beds } + silicates } 13-k shaly brown argillite white L.S.	
2	<u>26-46</u> <u>46-56</u> <u>56-71</u> <u>71-78</u> <u>78-85</u>	shaly brown argillite + L.S. siliceous argillite shaly argillite + L.S. dyke white dolomite	
3	<u>85-119</u>	light grey poorly banded dolomite	
4	<u>119-153</u>	same	
5	<u>153-187</u>	banded dolomite	
6	<u>187-223</u>	same	
7	<u>223-256</u>	same; zinc & pyrite 246-256	
8	<u>256-289</u>	same; zinc + pyrite 256-266	
9	<u>289-323</u>	dolomite zinc + pyrite 312-320	
10	<u>323-358</u>	dolomite; ZF + lime 345-347	
11	<u>358-394</u>	poorly banded dolomite	
12	<u>394-430</u>	same	
13	<u>430-464</u>	mostly dolomite; abundant serpentine	
14	<u>464-497</u>	banded dolomite with serpentine	
15	<u>497-531</u>	mainly banded dolomite; last three feet are L.S.	

J 59 (cont)

- 16 531-567 mostly dolomite
- 17 567-609 dolomite
- 18 609-654 dolomite
- 19 654-696 dolomite; zinc + pyrite ⁶⁶⁶⁻⁶⁷⁵
₆₉₀₋₆₉₆
- 20 696-731 dolomite; zinc + serpentine
₆₉₆₋₇₁₀
zinc 726-731
- 21 731-747 dolomite
- 21 747-757 whitish L.S.
- 21 757-765 dolomite
- 22 765-807 mixed L.S. & dolomite
- 23 807-816 dolomite
- 23 816-826 siliceous brown argillite
- 23 826-834 white L.S.

END of HOLE

Jack Pot Holes at Copper Core Sheds ①

J-46 drilled. W at -43°

0-61 banded ls. (vegs from 48-61)

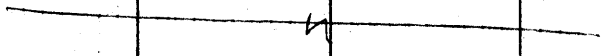
61-68 white glet and lt grey glet - could be upper lens (prob. sil ls)

68-70 is siliceous

to 209 grey dol.

209-241 grey ls with some dol.

241-247 - some brown and green sk arg + ls.



~~J 55~~ J 55 MAIN SHOWING.

0-37 mixed granite, stamp, and. bi rich @

37-45 mostly granite then into ls

J 7 0-47 all, many bi rich arg @ with minor ls + granite. Could all be altered argillite.

47-79 mostly granite @ which is rich in silicates

79-115 mostly ls + granite



J-22

LERWICK

- 0 - 115 ls or dol
 115 - 127 diorite (pyritic in ls near base)
 127 - 146 aplite granite
 146 - 164 diorite (SAMPLE at 156)
 164 - 178 "
 178 - white dol + ls
 261 - 275 diorite
 to 600 all dol.

J-21 N showing

- 0 - 186 ls + dol
 186 - 208 granite (all)
 228 - 264 mostly granite
 264 - 298 "
 300 to 325 mostly diorite
 325 - 331 green and brown sk A
 331 - 336 "
 336 - 356 grey & wh ls
 356 - 366 sk arg
 366 - 368 lime
 368 - 425 decalc
 425 - 512 ls + d.
 512 - 562 grey at base. some gran.
 562 - 614 wh ls
 614 - 640 mixed granite + arg
 640 - 684 ls + upper fine
 684 - 795 mainly granite + diorite.

(9)

35, 43.,

and 61

July 5, 1956

J 43 -

In core

shock at

upper part of Jack Pot

0-66
66-120
120-178
178-230

banded
"
"
178-211
211-218

Solomite
"
"
Solomite
grey L.S.

236-260

218-231
231-236
236-241
241-256
256-257

Solomite
broken core of L.S. & minor argillite
L.S. & minor argillite
grey Solomite
L.S.

J 38 -
0-45

257-260
END of

brown shaly argillite
HOLE

0-27
27-45

grey L.S.
Solomite

45-79
79-114
114-148
148-183

banded
"
Solomite
Solomite

Solomite
"
Solomite
Solomite

183-218
218-255
255-315
315-350

183-208
208-218
banded
"
"

Solomite
mostly L.S.
dolomite.
"
"

350-386
386-421
421-455
455-497
497-531

poorly banded dolomite
Solomite
dolomite
Solomite
mixed L.S. & Solomite

Zinc + pyrite 412-417
Zinc + pyrite 421-430
Zinc + pyrite 470-478

531-536

mostly L.S.
END of HOLE

<p><u>J 40</u> 0-40</p>	<p>0-37</p>	<p>mixed green & brown argillite with dolomite 28-30 & L.S.</p>	
<p>40-74</p>	<p>37-40 40-45 45-74</p>	<p>dolomite & L.S. mostly L.S. poorly ind. bed dolomite zinc & pyrite</p>	<p>61, 71-73</p>
<p>74-108</p>	<p>possibly banded dolomite</p>	<p>"</p>	
<p>108-142</p>	<p>"</p>	<p>"</p>	
<p>142-176</p>	<p>"</p>	<p>"</p>	<p>zinc & pyrite 170-176</p>
<p>176-210</p>	<p>"</p>	<p>"</p>	
<p>210-244</p>	<p>"</p>	<p>"</p>	<p>some serpentine</p>
<p>244-279</p>	<p>244-253</p>	<p>mixed L.S. & dolomite - some serpentine</p>	
<p>279-313</p>	<p>253-279</p>	<p>banded dolomite</p>	
<p>313-346</p>	<p>well banded dolomite.</p>	<p>"</p>	
<p>346-390</p>	<p>313-325</p>	<p>mostly dolomite</p>	
<p>390-424</p>	<p>325-346</p>	<p>banded L.S. with minor dolomite</p>	
<p>424-460</p>	<p>346-382</p>	<p>mostly L.S.</p>	
<p>460-495</p>	<p>382-390</p>	<p>dolomite</p>	
<p><u>J 35</u> 313-355</p>	<p>dolomite Lead & zinc minor pyrite</p>	<p>398-415</p>	
<p><u>J 37</u> All L.S. & dolomite</p>	<p>poorly banded dolomite</p>	<p>"</p>	
<p><u>J 42</u> 0-52</p>	<p>"</p>	<p>"</p>	
<p>52-101</p>	<p>END of HOLE</p>	<p>"</p>	
<p>101-160</p>	<p>No boxes 7, 11 313</p>	<p>"</p>	
<p>160-196</p>	<p>→ 552 - dolomite</p>	<p>"</p>	
<p>196-234</p>	<p>552-560 mostly L.S.</p>	<p>"</p>	
<p>234-279</p>	<p>END of HOLE</p>	<p>"</p>	
<p>279-313</p>	<p>oxidized 143-160</p>	<p>"</p>	<p>zinc & pyrite 101-105</p>
<p>313-346</p>	<p>160-174 dolomite</p>	<p>"</p>	
<p>346-390</p>	<p>174-196 mixed L.S. & dolomite</p>	<p>"</p>	
<p>390-424</p>	<p>196-199 L.S.</p>	<p>"</p>	
<p>424-460</p>	<p>199-229 mixed skarny argillite & grey L.S.</p>	<p>"</p>	
<p>460-495</p>	<p>229-234 whitish L.S.</p>	<p>END of HOLE</p>	

DRILL HOLE 166 JACKPOT CORE SHED AT LOWER PORTAL
JUNE 28/55

Box 1 0-56	0-32 - overburden		
	32-45 - rusty black argillite - slightly limy		
	45-52 - mottled light gray & black tremolitic? argillite dolomite + silicates bladed colorless crystals		
Box 2 56-95 1/2	52-57 - black argillite		
	57-85 - black & light gray mottled dolomite with lots of silicates thin beds of black argillite		
	85-113 - black argillite		
Box 3 95-137	113-132 - lamp dyke at 95-100 light gray & black mottled dolomite		Topping Dolomite?
	132-138 - gray & black limy argillite		
Box 4 137-178	138-225 - black & light gray mottled dolomite with few bands of black argillite up to 1 foot thick		
5- 178-216 1/2	225 - approx grades into black blocky argillite		
6 216 1/2 - 258	225-233 - ✓ 233-250 - light gray silicated dolomite Specimen at 234		
7- 258-297 1/2	grades into black blocky argillite		
8- 297 1/2 - 337	280-610 - gray & black poorly banded - wavy banded - black argillite (<u>over argillite?</u>) some of it has an altered brownish cast (biotite?) below about 550 much of the core is broken up and the bands are highly contorted with many shiny faces.		
9 - 379			
10 - 417 1/2			
11 - 457			
12- 497			
13 - 542 1/2	610-785 - black & white cracked dolomite this is like the dolomite above at 675 there is a foot of black argillite broken up		
14 - 580 1/2			
15 - 624 1/2			
16 - 670			
17 - 709			
18 - 749		636-638 black & white breccia (dolomite breccia)	
19 - 788	785 - gradation into dark gray siliceous argillite		
20 - 827	785-959 siliceous black argillite		
21 - 867	lamp dyke 937-945		
22- 906 1/2	959-965 - broken up or melting core - Regional fault?		
23- 950	965-975 - mottled light green & brown starchy & limy argillite - (changing interbed?)		
24. 1002	975-1004 - gray & brown qtzite or siliceous argillite there are a few 1" sections showing fine qtz grains & greenish silicates (RENO?)		

over

Box
25 - 1047
26 - 1082

1004-1047 mottled gray + brown micaceous qtzite
somewhat silicified?
1047-1059 gray blocky qtzite
1059-1064 - silicified qtzite
yellow green epidote like mineral
+ white feldspars?

27 - 1126

1064-1074 - green + brown skarny + limy argillite
1074-1090 - brown somewhat skarny argillite
1090 - { grades into gray limestone with thin
brown skarny argillite partings
1090-1108

28 - 1167

1108-1120 - light + dark gray siliceous dolomite
with some sulphides
1120-1126 - gray limestone
1126-1131 - green + brown skarny argillite
1131-1160 - gray limestone with thin bands of brown
argillite

29 - 1206

1160-1167 green + brown mottled skarny argillite
1167 - { grades into gray ls with streaks of brown
skarny argillite
1167-1186

30 - 1245

1186-1208 - mottled brown skarny argillite
with argillaceous lime bands
1208-1222 brown siliceous + very slightly skarny
argillite
1222-1240 - light green siliceous skarny argillite
1240-1242 - light gray ls
1242-1245 brown skarny argillite

	DRILL HOLE June 28/55	J65 JACKPOT CORE SHED AT LOWER PORTAL		
1	0-73	Box 1-0-122	{ white rusty qtzite with a few whorls of white mica the cleavage is about 30° to the core	
2	73-145	122-195	broken up core - ^{grayish} brown phyllic micaceous qtzite	
3	145-203		grades into	
4	203-END 308	195-308	grayish brown blocky qtzite 100 ft of core is in 30ft of box - broken, "vegs" etc -	
	DRILL HOLE	J57		
Box 1	0-52	8-52	gray brown micaceous qtzite green + brown sharny argillite at 35' about 1ft. of sharny line	
			the bands are about 30' to the core	
2	52-86	52-76	brown micaceous + slightly sharny argillite	
		76-85	green + brown sharny argillite	
3	86-123	85-129	light gray ls rare brown whorpy bands	
4	123-159	129-200	light and dark gray cracked dolomite	
5	159-204 1/2		about 1ft of line at 167 - very massive pyrite, galena + sphalerite at 170 + 176.	
6	204 1/2		cracked texture gone at 200	
7	204 1/2	200-380	gray poorly banded dolomite	
8	330	380-437	only 3ft. of core sanded dolomite	
9	437			
	DRILL HOLE	J58		
1	0-59	0-48	black + white mottled dolomite	
2	59-92 1/2	48-79	lamp dyke - grayish brown aphanitic dyke	
3	92 1/2	79-92 1/2	green porphyritic dyke	
		92 1/2-117	gray ls with thin brown argillaceous whorps	
4	117-158	117-170	brown slightly sharny argillite somewhat siliceous in places	
5	158	170-190	green porphyritic dyke (mainly dyke from 99)	
6	190-230	190-265	gray blocky siliceous argillite bonding getting nearly // to the core slightly ilmy - has a grayish brown tinge to it	
	over			

- 7-282-271 dyke from 269-263 brownish dyke
black argillite to 265
- 265-281 — gray mottled dolomite
- 8-271-307 281-314 — black argillite — same as above — bands
// to core
- 9-307-341 lots of slickensided faces
- 314-347 — mottled brecciated light gray & black
dolomite, some lime & lots of silicates
- 10 341-378 347-400 — light & dark gray mottled dolomite
at 387 there is a foot of black argillite
at 397 " " 2 ft " " "
- 11 378-410
- 12 410-419 400-412 dyke
412-414 black argillite
414-423 gray mottled dolomite
- 13 419-496 423-434 dark gray dyke
434-471 — gray mottled dolomite
471 6" of gauge & breccia
- 14 476-532 471 $\frac{1}{2}$ -490 — black slickensided argillite
490-534 — gray banded ls
some of the bands are nearly // to the core
- 15 532-566 534-564 black somewhat siliceous & bleached argillite
slightly limy — grades into
- 16 566-602 564-579 gray mottled dolomite
579-590 black argillite
- 17-602-640 590 — gradation into
590-630 — gray & black mottled dolomite
630-633 — black argillite
633-803 dolomite — dk gray — 1/2 way between cracked
& mottled — some Zn in places
1 ft. black argillite at 745 — slickensided
sharp etc
- 18 - 675 803 —
19 - 710 803-812 — black argillite — mostly blocky with
some shaly faces
- 20 - 745 at 810 grades into gray & black mottled argillite
1 ft gray ls at 842
- 21 745-779 810-902 mottled argillite
- 22 - 812
- 23-812-847
- 24 847-883
- 25 883-902

DRILL HOLE		J60 JACKPOT CORE SAGD AT LOWER PORTAL	
bot	June 28/55		
1- 0-53	0-156	rusty black argillite	
2 - 86		regular grayish altered streak	
3 - 120		circulated & altered with lots of light gray	
4 - 154		streaks	
5 - 189	156	very sharp etc & some slickensides in the arg.	
6 - 222	156-166	mottled gray ls	
	166-194	green brown shaly argillite with some sections of gray ls a few ft. long	
	194-203	gray dyke	
7. - 259 1/2	203-230	brown micaceous & shaly argillite	
	230-243	brown shaly arg. & gray ls	
	243-271	brown micaceous argillite? or siliceous argillite no good Qtz grains seen RENO?	
	271-285	shaly brown argillite with thin gray limy bands	
8 - 292	285-306	gray brown argillaceous ls	
9 - 326	306-328	green & brown shaly arg.	
10 - 362	328-342	green limy dyke	
11 - 397 1/2	342-412	gray mottled dolomite + minor ls	
12 - 432 1/2	412-442	gray ls	
13 - 472	442-485	gray banded dolomite	
14 - 510	485-502	ls & dolomite with pyrrhotite, sphalerite, pyrite	
15 - 540	502-520	gray banded dolomite	
16 - 580	520-580	gray & black banded ls, some dolomite	
17 - 616		some bands are nearly // to the core	
18 - 650 1/2	580-670	gray banded dolomite	
19 - 687		banding 0-30° to the core	
		section of one from 629-645 - split for assay	
		✓ - - - 650-668 - ✓ - ✓ - ✓	
		the sulphides are in both ls & dolomite	
		mainly in limy	
20 - 718	670-718	gray ls some dolomite	613-618 dol

DRILL HOLE		J61	
1 0-80 1/2	0-80	black argillite	not limy
2 - 118		sharp etc with "bug" & broken up core	
over	80-82	gray argillaceous ls	

82-112 green brown shaly argillite with thin
argillaceous line beds

3 118-154

112-200

gray brown micaceous quartzite?
there is no lime or skarn in this. RENO?
no good visible quartz grains

4 154-208

200-207 - green brown altered siliceous rock
a few 1/2 inch beds contain fine blue
quartz grains?

5 - 242

specimen at 204.

207-225 - green brown shaly argillite

225-227 - gray ls

227-239 - gray mottled dolomite

6 - 277

239-243 - gray mottled ls

7 - 310

243-519 - gray dolomite

8 - 344

278-281 gray ls.

9 - 381

ore sections 277-318, 333-340, 381-439
pyrite, sphalerite (good brown sphalerite)
some galena?

10 - 415

ore sections 466-513.

11 - 451

pyrite, sphalerite

12 - 486 1/2

13 - 519

Drill core, core sled top of Jackpot Hill

30

- 21-70 = grey banded ls some dolomite + serpentine
- 70-270 grey banded dolomite
- 270-316 " mainly dolomite and grey ls.
- 316-325 mottled brown shaly arg
- 325-330 shaly dolomite
- 330-345 thin + brown banded shaly arg
- 345-356 light grey ls with brown argillaceous streaks
- 356-367 brown blocky micaceous argillite + fine light grey-green shaly bands
- 364-375 greenish altered siliceous lower argillite? thin section siliceous + may be regarded as top of Reno?? no good of green

31

- 0-167 mainly coarse + rather light grey ls. + some dolomite
- 167-366 dark + light grey banded dolomite
- 366-390 366-370 argils. grey ls + dolomite
- 390-418 green - loamy banded shaly arg some beautiful mottled
- 418-425 thin ls 402-401 grey ls

J 32

0-270 mainly heavy banded dolomite
 212-215 some grey ls.

270-307 heavy banded ls.

307-356 heavy - light & dark banded
 dolomite

356-419 mainly 1 dark grey dolomite
 419 end of hole

J 33

0-120 heavy weathered dolomite

120-185 Dolomite with some ls
 + sphalerite, pyrite

185-328 Heavy banded dolomite massive
 ls + silicates

328-437 Low dolomite.

397-406 heavy sphalerite - low
 some galena + pyrite

428-437

437-472 Light grey ls + silicate

472-503 grey banded dolomite

Good sub phole 477-481
 Remains of core not here

	BACK POT	DRILL HOLE	J39	July 5/55 upper portal	core shed
Boxes 10-32 32-67 67-101 101-136 136-170	0-33	green & brown stannary argillite thin limy bands			
170-204 204-228	33-67	gray dolomite 45-47 = spotted brown argillite - siliceous ore section 63-65 (ZnS + FeSx)			
	67-130 130-200 200-228	gray ls gray dol. , some ls , minor sulphides ore section 145-149 dolomite - gray ls with thin black bands			
		<u>DRILL HOLE J45 (311' per map)</u>			
0-80 80-133 1/2 133 1/2-174 174-224 224-257 257-292 292-311	0-60 60-100(-) 100-257 257-311	gray dol. The core is broken into buttons light gray & black banded ls dk gray dolomite with thin white bands gray banded dolomite with thin bands of ls 0-60 Brown stannary? broken into buttons and ground			
		<u>DRILL HOLE J41</u>			
0-41 41-75 1/4 75 1/4-109 1/2 109 1/2-143 143-178 178-214 1/2 214 1/2-247 1/2 247 1/2-283 1/2 283 1/2-320 1/2 -353	0-33 33-45 45-66 66-81 81-112 112-187	brown, locally gray, siliceous argillite with thin green stannary beds and rare thin bands of ls near 28-33. light gray to white crystalline ls. green brown mottled stannary argillite (Truman?) light gray whorly banded ls with thin bands of brown stannary argillite light gray dolomite pyrite, sphalerite & galena at 107-111 gray & white banded dolomite + mottled dolomite serpentine (black) 166-176			
-387 -430 -467 1/2 -502 1/2 -535 -569 1/2 -602 -637	187-237 237-280 280-309	gray ls with some dolomite - several ore sections gray dolomite with minor ls - several ore sections gray dolomite - poorly banded			
	ore				

669
637-669 1/2
669 1/2 - 674

- 309-322 gray ls with thin black bands
- 342-355 ls + dolomite
- 355-395 gray banded ls
- 395-536 gray dolomite, minor ls
- (470-490 light green ^{all green} ~~terpenine~~ sulphide - ZnS, FeS,)
- (493-500 sulphide - ZnS, FeS,)
- (500-536 dot)
- 536-567 light gray crystalline ls
- 567-589 good sulphides - all split
- 567-623 light gray dolomite
minor or sections to about 605
- 623-670 light gray ls
- 670-674 gray dolomite

J44

- 198 1/2 - 238 1/2
- 155 - 198 1/2
- 113 - 155
- 67 1/2 - 113
- 0 - 67 1/2
- 225 - 238 gray ls with bands of green & brown
shaly argillite
- 195 - 225 gray ls
- 50 - 195 dolomite
- 0 - 50 gray banded ls

one foot of brown clay at top
maybe a boulder. - parts us at 16'
15-16 - arg + wh Q