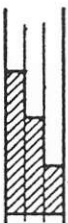



IMPERIAL OIL LIMITED
MINERALS SECTION
DRILL LOG

804000

PROJECT Sulphurats 2153	GROUND ELEV. 4825 Ft 1471m																		
HOLE NO. 10	BEARING 105°																		
LOCATION Iron Cap Area 26 metres west of Granduc Trench 4 on a bearing of 290°	DIP -55																		
LOGGED BY Z. J. Ferguson <i>Geologist E 550 Minerals</i>	TOTAL LENGTH 169.77																		
DATE July 31/80	HORIZONTAL PROJECT																		
CONTRACTOR Arctic	VERTICAL PROJECT																		
CORE SIZE BQ	ALTERATION SCALE 																		
DATE STARTED July 24 Drill move July 27; 11 AM approx.	TOTAL SULPHIDE SCALE 																		
DATE COMPLETED July 30; 8 AM																			
DIP TESTS <table border="1"> <tr> <td>17m</td> <td>45m</td> <td>75m</td> <td>106m</td> <td>136m</td> <td>167m</td> </tr> <tr> <td>Dip -54.7</td> <td>-55</td> <td>-55</td> <td>-54</td> <td>-53</td> <td>-51.3</td> </tr> <tr> <td>Bearing 105.5</td> <td>106.5</td> <td>105</td> <td>104.5</td> <td>110.5</td> <td>101.5</td> </tr> </table>	17m	45m	75m	106m	136m	167m	Dip -54.7	-55	-55	-54	-53	-51.3	Bearing 105.5	106.5	105	104.5	110.5	101.5	
17m	45m	75m	106m	136m	167m														
Dip -54.7	-55	-55	-54	-53	-51.3														
Bearing 105.5	106.5	105	104.5	110.5	101.5														
COMMENTS Assays at 17m, 45m, 75m, 106m, 136m, 167m. Low Assays Throughout	LEGEND																		

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLE INTERVAL	SAMPLE WIDTH	ASSAY NUMBER	% Ag		% Au	COMPOSITE ASSAYS
					oz/t	oz/t		
				3.05	1335	.12	.004	
		32.61						
				3.05	1336	.12	.002	
35		35.26 - 35.66		2.05	1337	.08	.003	
				0.40	1338	.08	.009	
				0.70	1339	.09	.003	
40		40.23 - 41.76		2.65	1340	.06	.002	
				3.05	1341	.00	.006	
		44.01 - 44.81		3				
				3.05	1342	.09	.009	
		47.86						
		48.99 - 50.99		1.75	1343	.12	.007	
50		49.61 - 51.71		4.30	1344	.20	.019	
		50.91		0.30	1345	.21	.010	
		51.71		2.05	1346	.11	.007	
		53.96						
55		56.08 - 57.01		0.12	1347	.07	.003	
				0.73	1348	.07	.006	
		59.13		2.13	1349	.10	.016	
				0.70	1350	.10	.003	

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	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLE INTERVAL	SAMPLE WIDTH	ASSAY NUMBER	%	%	%	COMPOSITE ASSAYS
						g/t Ag	g/t Au	Mo	
60			-60.05						
				3.04	1351	.07	.008		
			-63.09						
65				3.05	1352	.08	.006		
	66.44 : py fractures		-66.14						
				3.05	1353	.10	.007		
			-69.19						
				3.05	1354	.09	.006		
			-72.24						
	73.44 - 77.5 : minor to trace py only			3.04	1355	.04	.006		
75			-75.28						
				3.05	1356	.01	.009		
	77.7 - 78.13 : py in small clusters								
			-78.33						
80	79.85 - 80.05 : 15% py			3.05	1357	.13	.008	.002	
	80.05 - 80.65 : py veinlets								
			-81.38						
	82.7 - 83.1 : a few pyritic veinlets			3.04	1358	.11	.016	.002	
			-84.42						
				3.04	1359	.10	.007	.002	
			-87.48						
	88.4 - 92.2 : a few thin moly-bearing qtz-py veinlets; trace moly in host; trace galena in veinlets			3.05	1360	.21	.009	.002	

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PAGE 9 OF 13		PROJECT:						HOLE NO. 10	
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLE INTERVAL	SAMPLE WIDTH	ASSAY NUMBER	%	%	%	%	COMPOSITE ASSAYS
					3/1 Hg	3/1 Au	Mo	W	
90 88.4-92.2: overall higher py content 5 to 10%		-90.53							
			3.05	1361	.50	.019			
		-93.57							
			3.05	1362	.39	.017			
95 96.37-101.47: Qtz vein with py; py in veins & patches in grey Qtz		-96.62							
97.54: trace gal with sph? stringer			2.51	1363	3.16	.027	.012		
99.13-99.28: 2.5% py iron very patchy distribution		-99.13 -99.28 -99.67	0.15 0.39 1.90	1364 1365 1366	1.12 .35 .32	.039 .017 .021	.002 .003 .003		
101.47-111.86: py microfracture common higher than average py content (5%)		-101.47	1.24	1367	.17	.011	.002		
		-102.71							
			3.06	1368	.11	.007	.001		
		-105.77							
			3.04	1369	.09	.009	.002		
			(76% recovery)						
		-108.81							
			3.05	1370	.29	.047	.012		
		-111.86							
			3.05	1371	.06	.012	.006		
		-114.91							
115			3.05	1372	.02	.006	.003	.002	
116.13-116.23: minor moly patches in host		-117.96							
				1373	.08	.009	.003	.002	

AT

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLE INTERVAL	SAMPLE WIDTH	ASSAY NUMBER	<i>% Ag</i>	<i>% Au</i>	<i>% Mo</i>	<i>% W</i>	COMPOSITE ASSAYS
<i>120</i>									
		<i>-121.01</i>							
<i>122.96: possible fine dissemin. moly in patches</i>			<i>2.79</i>	<i>1374</i>	<i>.05</i>	<i>.006</i>	<i>.002</i>	<i>.003</i>	
<i>123.8-126.60: overall 15% py in irregular patches veins</i>		<i>-123.80</i>							
		<i>-124.05</i>	<i>2.25</i>	<i>1375</i>	<i>.13</i>	<i>.008</i>	<i>.001</i>	<i>.001</i>	
<i>125</i>									
			<i>2.55</i>	<i>1376</i>	<i>.34</i>	<i>.023</i>	<i>.005</i>	<i>.002</i>	
<i>126.60-151: higher average py content (5 to 10% dissemin.)</i>		<i>-126.60</i>	<i>0.50</i>	<i>1377</i>	<i>.10</i>	<i>.008</i>	<i>.007</i>	<i>.003</i>	
		<i>-127.10</i>							
			<i>3.05</i>	<i>1378</i>	<i>.08</i>	<i>.012</i>	<i>.002</i>	<i>.002</i>	
		<i>-130.15</i>							
			<i>3.05</i>	<i>1379</i>	<i>.10</i>	<i>.006</i>		<i>.001</i>	
		<i>-133.20</i>							
			<i>3.05</i>	<i>1380</i>	<i>.09</i>	<i>.002</i>		<i>.001</i>	
		<i>-136.25</i>							
			<i>3.04</i>	<i>1381</i>	<i>.07</i>	<i>.008</i>		<i>.002</i>	
		<i>-139.29</i>							
			<i>3.05</i>	<i>1382</i>	<i>.28</i>	<i>.008</i>		<i>.002</i>	
				<i>(74% recovery)</i>					
		<i>-142.34</i>							
			<i>3.05</i>	<i>1383</i>	<i>.07</i>	<i>.009</i>		<i>.001</i>	
		<i>-145.39</i>							
			<i>3.05</i>	<i>1384</i>	<i>.02</i>	<i>.008</i>		<i>.002</i>	
		<i>-148.44</i>							
				<i>1385</i>	<i>.12</i>	<i>.023</i>			

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLE INTERVAL	SAMPLE WIDTH	ASSAY NUMBER	%	%	%	COMPOSITE ASSAYS
					g/t Ag	g/t Au		
150								
		-151.49						
				305 1386	.14	.008		
		-154.54						
				305 1387	.07	.006		
		-157.59						
				305 1388	.11	.009		
				(96% recy)				
		-160.64						
				305 1389	.15	.006		
				(97% recy)				
		-163.69						
				304 1390	.01	.012		
		-166.73						
				304 1391	.03	.077		
				(90% recy)				
		-169.77		EAH				

A. Ferguson
 Geologist ESSMINEX INC.