

GRID: _____

PLACER DEVELOPMENT LIMITED
EXPLORATION DEPARTMENTHOLE NO. _____
SHEET No. 1 of 4 DDH79-5LOCATION: NTS 105A2 (W/ 056555) BEARING: _____
DATE COLLARED: 14 May 1979 LENGTH: 139.2 m
DATE COMPLETED: 18 May 1979 DIP: -90°LATITUDE: 60°02'20"
DEPARTURE: 128°53'56"
ELEVATION: _____PROPERTY: Liard Coal
CORE SIZE: 17 Q LOGGED BY: D Jenkins
SCALE OF LOG: 1:200 DATE: 30 May 1979

DEPTH m	m black & %rec.	ROCK TYPE DESCRIPTION	Graph. log	Structure	SAMPLE NO.	COAL ANALYSES														REMARKS		
						MOISTURE %	% ASH		% V. M.		% F. C.		CALORIFIC VALUE		% S	% H	% N	% O	F.S.I.		Reflec	Sp. Gravity
							as rec'd.	dry basis	as rec'd.	dry basis	as rec'd.	dry basis	as rec'd.	dry basis								
0																						
4																						
8																						
12																						
16																						
		Cased to 18.8m																				
20	10%	Sand: Lt. grey; Vy. coarse grnd; apparently well sorted w/ little fine grnd matrix; mineralogically immature w/ abundant feldspar + 5-10% ferro-mag minerals and f.g. dark rock clasts (very little mica)																				
24	8%																					
	0%																					
28	13%	Finer grnd @ 28.0m w/ clay bds.																				
	6%	Gravel w/ clay: clasts to 2cm relationship of gravel + clay is ambiguous																				
	0%																					
32	15%																					

DEPTH m	m block & % loc.	ROCK TYPE DESCRIPTION	Graph. Log Structure	SAMPLE NO.	COAL ANALYSES														REMARKS		
					MOISTURE %	% ASH		% V. M.		% F. C.		CALORIFIC VALUE		% S	% H	% N	% O	I.S.T. E.S.T.		Reflec.	Sp. Gravity
						as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis								
32		Gravel: 38.7-32.6 m; clasts rounded to sub-rounded; to 7.5 cm max. diam., av. diam ± 4 cm; clasts consist of basalt, qtz, and meta-sediments; clay mixed w/ pebbles below 35.6 m probably indicates grinding of underlying																			
	170	fining upward sequence																			
36		32.6-31.68 m is f.g. sand @ base w/lt. grey micaceous clay @ top																			
	170																				
	270																				
40		Clay: Lt-med grey - DK BRN; massive; high organic content w/ 4cm long wood fragments																			
	4770																				
	7470	Coal: Ground up by drilling & contains 41.5%																			
44		Clay: Lt. grey; massive-weakly bdd; locally silty; high organic content and coal partings																			
	10070																				
	8670	46.9-47.3 m																			
		49.6-50.0																			
	10070	51.6-52.4																			
48		Thin bd coarse sand @ 50.1 m																			
	8070																				
	6270																				
52																					
	2370																				
	9070	Sand: Lt-med. grey; fine-med. grnd; poorly sorted; w/ abundant organic partings																			
	2370																				
56		Clay: Lt. grey - yellow grey; massive to v. weakly bdd; silty - v. silty; non-plastic																			
	9370																				
	9770	Organic clay 57.5-57.9 m																			
60		Sand: med. grey; coarse grnd; well sorted @ base; finer grnd. & less well sorted above w/ more mica and organic partings, grading to silt-clay																			
	9370																				
	4170	clay bed @ 60.2 m & 59.9 m																			
	070																				
64																					
	070																				
	1870	30cm Coal: Side wall density log indicates ± 0.5m clay band below																			
	9270	Coal: DK. BRN. mod. hard; mostly finely divided organic; dirty; grad. lower coal		58936																	
68																					

Hole making
11.2 @ 63 m

To Roke

DEPTH m	m block & % rec.	ROCK TYPE DESCRIPTION	Graph Log	Structure	SAMPLE NO.	COAL ANALYSES														REMARKS		
						MOISTURE %	% ASH		% V. M.		% F. C.		CALORIFIC VALUE		% S	% H	% N	% O	L.S.	Reflec.	Sp. Gravity	
							as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis								
65	67%	Clay: med. grey - DK. brn; massive to thin bdd. ± 5mm; non-plastic w/ organic clay "coal partings" @ 70.1-70.9																				
72	91%	72.9-73.7																				
	69%																					
76	93%	Silt: Lt-med Grey; v. thin bdd ± 3mm; v. micaceous; Organic partings																				
	100%	Coal			58937																	
	96%	Clay: Organic & Sand																				
		Coal			58938																	
80		Sand: coarse grnd; Organic																				
	78%	Coal: finely divided Organic			58939																	
	93%	Clay: Organic																				
		Coal: finely divided Organic			58940																	
	93%	Clay + Silt: Interbdd clay and silt																				
84	86%																					
	36%	Sand: med. grey; v. coarse grnd. @ base and finer grnd. above grading into silt @ 85.7 m																				
88	13%																					
	9%																					
	0%																					
92	37%	Clay: DK. Brn.; Organic w/ coal parting between 92 & 93.5m; Thin sand bed @ 93.5m																				
	90%																					
96	94%	Clay + Silt: Organic Clay in bds to 2m thick interbdd w/ v. thin bdd. to laminated silt in bds to 2m																				
	87%																					
	100%																					
100	80%																					
	100%	Sand: Lt. Grey; v. coarse grnd. @ base w/ 40% granule size grns + 5% fine pebbles grading upward to v. fine sand w/ coal partings																				
104	70%																					

All samples to
ROCKE

DEPTH m	m block & %rec.	ROCK TYPE DESCRIPTION	Graph Log Structure	SAMPLE NO.	COAL ANALYSES															REMARKS	
					MOISTURE %	% ASH		% V. M.		% F. C.		CALORIFIC VALUE		% S	% H	% N	% O	L.S.I.	Reflec.		Sp. Gravity
						as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis								
139		as above																			
	107.2																				
	40%																				
108	73%	Coal: ± 25% wood in a matrix of finely divided organic matter 107.2		58941																	
	100%	Silt + Clay: Interbed in bds of clay + silt and bds gradational between silt + clay - bds poorly defined 108.8																			
	100%																				
112	87%	Silt: Lt. grey - brn; thin bedded - laminated within clay interbeds; 40% coal partings in top 30 cm																			
	45%	Sand: Lt. grey; v. coarse grnd. grading to fine gravel @ base, @ the top																			
	53%	grades to silt over width of 10cm																			
116																					
	82%																				
	100%	Clay: Organic gradational to coal 119.2																			
120	98%	Coal: Dk. Brn; Hard; 25% wood fragments; grass frags. abundant; 13cm of clay partings; Contacts gradational 121.5		58942																	
	98%	Clay: Organic																			
	100%	Clay: Med. grey - cream - Dk Brn; Locally silty + gradational to silt; Organic w/ coal partings @																			
124	93%	122.7 - 124.2																			
	100%	124.3 - 126.4																			
128	83%																				
	57%																				
	100%																				
132	100%	Coal: v. Dirty w/ high clay content + clay partings 132.5																			
	71%	Silt: White - cream w/ Brn. hues in top 1.8m + lower 20cm; v. fine grnd. w/ abundant clay; beding not visible; pos. leached zone under coal 133.8																			
136	20%																				
140		TD 129.2m																			