PLACER DEVELOPMENT LIMITED

EXPLORATION DEPARTMENT

HOLE No. 79-2

SHEET No. 1 of 4

GRID: _____

LOCATION: NTS 105 A 2 W (076556) BEARING: _____ LATITUDE: 60°02'23" PROPERTY: Liard Coal Basin

DATE COLLARED: 26 April '79 LENGTH: 129.5 m DEPARTURE: 128°57'16" CORE SIZE: HQ LOGGED BY: D.M. Junkins

DATE COMPLETED: 3 May '79 DIP: 90° ELEVATION: 2300' (701 m) SCALE OF LOG: 1:200 DATE: 31 April 1979

DEPTH m	m block & %rec.	ROCK TYPE DESCRIPTION	Graph. log	Structure	SAMPLE NO.	COAL ANALYSES: MOISTURE %	% ASH as recvd.	% ASH dry basis	% V.M. as recvd.	% V.M. dry basis	% F.C. as recvd.	% F.C. dry basis	CALORIFIC VALUE as recvd.	CALORIFIC VALUE dry basis	% S	% H	% N	% O	F.S.I.	Reflec.	Sp. Gravity	REMARKS
0																						
4																						
8																						
12																						
16																						
20		Cased to 28.6m																				
24																						
28	557	Coal: DK brn-Black, vy. fine grnd. structureless matrix with upto 20% wood fragments, several clay bands			58908																	
	559				58909																	
	561																					
	563																					
572																						

COAL LOG FORM No. X-1-78, Page 1.

BORHOLE LOG BY: _____

DATE: _____

PLACER DEVELOPMENT LIMITED
EXPLORATION DEPARTMENT

GRID: _____

LOGGED BY: Jenkins HOLE No. 79-2
DATE: 31 April 1979 SHEET No. 2 of 4

DEPTH m	m block & % rec.	ROCK TYPE DESCRIPTION	Graph. log	Structure	SAMPLE NO.	COAL ANALYSES: MOISTURE %	% ASH as recvd.	% ASH dry basis	% V. M. as recvd	% V. M. dry basis	% F.C. as recvd	% F.C. dry basis	CALORIFIC VALUE as recvd.	CALORIFIC VALUE dry basis	% S	% H	% N	% O	F.S.I.	Reflec.	Sp. Gravity	REMARKS
	95%	Coal: DK brn - BLK, vy fine grnd matrix w/10% wood fragments 32.6			58910																	
	100%	grading into clay by inter- beds below 34.6m 33.8 34.6 35.1			58911																	
36	95%	Clay-Silt: Lt. grey; micaceous, poorly bedded, grading from silt @ bottom, to clay @ top. Org. & organic rich beds			58912																	
	100%				58913																	
	25%	Clay-Sand: Interbedded clay, silt and unconsolidated sand, Thin coal beds (max. thickness 4cm)																				
40	22%																					
	55%	Silt: Lt. grey, micaceous with abundant organic matter																				
	8%																					
44		bedding @ 90° to core axis																				
	<1%																					
		Wood fragment cored @ 46m																				
	75%	Gravel-Sand: medium gravel-coarse sand; Lt grey; unconsolidated mineralogically immature (coarser clasts are largely rock fragments) moderately sorted																				
48	80%																					
	90%																					
52	40%																					
56	0%																					
	45%	Silt: Lt grey; sandy @ bottom argil. @ top; micaceous; organic fragments common																				
60	0%																					
64	20%	20cm of coal: DK. brn. finely divided organic matter w/several % wood chips 64.6 66.1			58914																	
	97%																					

BOREHOLE LOG BY: _____
DATE: _____

GRID: _____

PLACER DEVELOPMENT LIMITED

EXPLORATION DEPARTMENT

LOGGED BY: D.R. JARVIS HOLE No. 79-2

DATE: 2 May 1979 SHEET No. 3 of 4

DEPTH m	m block & % rec	ROCK TYPE DESCRIPTION	Graph. log	Structure	SAMPLE NO.	COAL ANALYSES: MOISTURE %	% ASH as recvd.	% ASH dry basis	% V. M. as recvd.	% V. M. dry basis	% F.C. as recvd	% F.C. dry basis	CALORIFIC VALUE as recvd.	CALORIFIC VALUE dry basis	% S	% H	% N	% O	F. S.I.	Reflec.	Sp. Gravity	REMARKS
68	100%	Clay and Argil. silt; Lt grey; micaceous 5-10% organic fragments bedding Not obvious																				
	40%																					
72	0%																					
	40%	Sand: fine grained, silty (poorly sorted) w/thin (3 6cm) bed of argil. silt																				
76	60%	abundant organic partings in sand @ 90° to core axis																				
	5%																					
	0%	Sand: As above but w/coarse grnd intervals																				
80																						
	36%	Sand: fine grnd.; poorly sorted w/abundant coal partings; grading upward through silt to clay to coal parting																				
	51%																					
	30%																					
84																						
	0%																					
88																						
		Gravel clasts. to 5cm recovered SOURCE UNKNOWN																				
	10%																					
92		~~Silt and Silty clay; Med grey~~ micaceous																				
	92%	Sand: Unconsol.; fine grnd.; poorly sorted; cohesive due to matrix; grades upward to silt																				
	76%	Sand: Unconsol.; coarse grnd. well sorted																				
96	+80%																					
	0%																					
	41%	Sand; Med grey; fine grnd, poorly sorted (silty) very thinly bedded																				
100																						
	0%																					
104																						

COAL LOG FORM No. X-1-78, Page 2.

BOREHOLE LOG BY: _____

DATE: _____

GRID: ______

PLACER DEVELOPMENT LIMITED
EXPLORATION DEPARTMENT

LOGGED BY: Jenkins
DATE: 7 May 79
HOLE No. 79-2
SHEET No. 4 of 4

DEPTH m	m blk & % rec.	ROCK TYPE DESCRIPTION	Graph. log	Structure	SAMPLE NO.	COAL ANALYSES: MOISTURE %	% ASH as recvd.	% ASH dry basis	% V. M. as recvd.	% V. M. dry basis	% F.C. as recvd	% F.C. dry basis	CALORIFIC VALUE as recvd.	CALORIFIC VALUE dry basis	% S	% H	% N	% O	F.S.I.	Reflec.	Sp. Gravity	REMARKS
		Sand																				
	0%																					
108																						
	0%																					
		Clay-Silt: Abundant organic matter																				
112	50%	Coal: Dk brn Very finely Divided organic matter 112.2 – 112.6			58915																	
	90%	Silt and Clay: Interbedded; Lt. grey-greenish grey to dark grey-brn at base and Top due to high organic content.																				
	97%																					
116																						
	31%																					
	98%	Coal: finely divided organic matter 117.95; Top + bottom 10cm have high clay contents 119.05			58916																	
		Clay: Dk brn-grey; high organic content																				
120	77%	Coal: DK brn: finely divided organic matter; upper contact gradational over 10 cm interval w/clay bed 120.6 – 122.5			58917																	
	66%																					
	50%	Coal: As above but w/clay partings gradational to clay below 123.5			58918																	
124		Clay: Light grey; plastic underlain by																				
	36%	Silt: Med grey; argil. and micaceous																				
128	51%																					
		129.5 Total Depth																				
132																						
136																						
140																						

BOREHOLE LOG BY: ______