

GRID: _____

PENCEL DEVELOPMENT LIMITED
EXPLORATION DEPARTMENTSHEET No. 1 of 4 DDH 7LOCATION: NTS 105 AZ w/2 (043578) BEARING: _____
DATE COLLARED: 25 May 1979 LENGTH: 140.8 m
DATE COMPLETED: 29 May 1979 DIP: -90LATITUDE: 6° 03' 33" N
DEPARTURE: 128° 55' 22" W
ELEVATION: 2070'PROPERTY: Liard Coal Basin
CORE SIZE: HQ LOGGED BY: D Jenkins
SCALE OF LOG: 1:200 DATE: 31 May 79

DEPTH m	m block & %rec.	ROCK TYPE DESCRIPTION	Graph. log	Structure	SAMPLE NO.	COAL ANALYSES														REMARKS		
						MOISTURE %	% A.S.H.		% V.M.		% F.C.		CALORIFIC VALUE		% S	% H	% N	% O	L.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																						
20		Cased to 21.33																				
24																						
28																						
32																						

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

BORHOLE LOG BY: _____
DATE: _____

EXPLORATION DEPARTMENT																			DATE: JENKINS 79-7		HOLE NO. SHEET No. 2 of 4	
DEPTH m	m block & % rec.	ROCK TYPE DESCRIPTION	Graph log	Structure	SAMPLE NO.	COAL ANALYSES														REMARKS		
						MOISTURE %	% ASH as recvd.	dry basis	% V. M. as recvd.	dry basis	% F. C. as recvd.	dry basis	CALORIFIC VALUE		% S	% H	% N	% O	EST.		Reflec.	Sp. Gravity
32	0%	? ?																				
20	0%	Sand: med. grey; coarse to very coarse grnd w/locally abund. fine gravel; Moderately sorted; predominately gte w/± 20% feldspar ± 5% Ferro-mag. minerals and dark rock clasts, minor muscovite																				
36	13%																					
15	7%																					
40	11%																					
24	2%																					
24	2%																					
44	0%																					
	0%																					
	54%																					
48	0%																					
	8%																					
52	0%																					
	14%																					
	0%																					
56	21%																					
	13%																					
60		Gravel: Coarse w/ cobbles to >10cm max. diam - average 4-5cm; rounded- sub rounded; clasts composed of acid plutonic rx, basalt, meta-sediments, and gte.																				
64																						
68																						
72																						
76																						
80																						
84																						
88																						
92																						
96																						
100																						

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

DEPTH		ROCK TYPE DESCRIPTION	Graph. log	Structure	SAMPLE NO.	COAL ANALYSES														REMARKS		
m	m block & % rec.					MOISTURE	% ASH		% V. M.		% F. C.		CALORIFIC VALUE		% S	% H	% N	% O	U.S.		Reflec.	Sp. Gravity
						%	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis						
68		Gravel: as above																				
72																						
76																						
80																						
84																						
88																						
92																						
96																						
100																						
104																						

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.		Reloc.	Sp. Gravity
							as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis								
109	3%	Sand: vy coarse grnd; vy disturbed by drilling (lag deposit at bottom of hole?)																				
	0%																					
108	6%																					
	5%																					
	18%	Clay: Organic Coal: only 8cm recovered; severely contaminated																				
112	62%	Clay: organic w/ 5-10% wood frags.																				
	100%	Coal																				
	86%	Coal: Clean; fine grnd w/ 10% wood minor char. Clay: Organic w/ 5% wood frags																				
116	100%	Clay: Lt. grey; massive to poorly bdd; w/ 2-5% organic frags																				
	70%	Silt: Lt. grey; argill. micaceous; abundant organic parting; vy thin bdd-laminated interbed in 5-10cm thick units w/ clay bds																				
120	56%																					
	51%																					
	80%	Sand: Lt. grey; med-fine grnd; med-poorly sorted; rare thin clay bds and organic partings																				
124	64%																					
	0%																					
128	15%																					
	30%																					
	58%	Clay: Lt. grey-white w/ med grey mottling; silty; bds not obvious																				
132	186%																					
	180%																					
	0%																					
136	66%	Clay: Organic; thin bdd-laminated w/ coal partings @ 136.2 ± 6cm 137.7 ± 7cm 138.2 to 138.4m																				
		Clay: Lt. grey mottled w/ med-dk grey w/cie. partings; massive; silty																				
140																						
Total Depth 140.8m																						