

PLACER DEVELOPMENT LIMITED

EXPLORATION DEPARTMENT

HOLE No. 27-4
SHEET No. 1 of 5 - 79-14

GRID: _____

LOCATION: NTS105A2 w/ (049547) BEARING: _____
DATE COLLARED: _____ LENGTH: 143.8 m
DATE COMPLETED: _____ DIP: -90

LATITUDE: 60°01'54"
DEPARTURE: 128°5-4'45"
ELEVATION: 2300' (701 m)

PROPERTY: Lizard Coal
CORE SIZE: 14 Ø LOGGED BY: DM Jenkins
SCALE OF LOG: 1:200 DATE: 13 May, 1979

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	I.S.T.	Reflec.	Sp. Gravity	
						as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis								
0																					
4																					
8																					
12																					
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PLACER DEVELOPMENT LIMITED

EXPLORATION DEPARTMENT

LOGGED BY: Wm. J. J. Jones HOLE No. 19-1 79-
DATE: _____ SHEET No. 2 of 5

GRID: _____

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	I.S.I.	Reflec.		Sp. Gravity
						as recvd	dry basis	as recvd	dry basis	as recvd	dry basis	as recvd	dry basis								
36	31%	Silt: yellowish grn. ± 50% v. fine sand; v. mic. coars.; sorted (minor clay matrix)																			
40	0%																				
44	80%	Clay: Lt. grey; Compact; Non plastic silty @ base, w/organic laminar in lower 20cm. 12cm thick coal parting @ 43.3																			
48	27%																				
52	40%	Sand med. gray; fine-coarse grnd. series of poorly defined fining upward sequences w/rare thin clay beds																			
56	16%	8cm coal parting (core of Log) @ 51.3m 26cm coal parting @ 63m																			
60	40%																				
64	27%																				
68	50%	Sand-clay: Thinly bed. coarse sand and silt and clay w/coal partings																			

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	F. S. I.		Reflec.	Sp. Gravity
							as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis	as recvd.	dry basis								
68	51%	Coal: 46 cm Ben; wood chips & charcoal																				
	93%	Clay: Lt. grey; silty; compact non-plastic																				
	40%	Sand: Lt. grey; v. fine grnd. @ base																				
	29%	grading upward to silt w/ abundant mica and clay matrix																				
72																						
	78%	Sand: med. grey; Coarse grnd; micaceous																				
		grades upward to f. sand;																				
	91%	Sand: Lt. grey; v. fine grnd. grading																				
		upward to silt to clay- organic																				
76	26%	clay to 20 cm coal bed																			Minor float coal to base	
	56%	Sand: Lt grey-med. grey; v. Coarse																				
		grnd to med grnd; well sorted																				
	36%	to moderately sorted; mica.																				
80																						
	0%																					
	83%																					
		Sand-silt-clay-coal: Thin interbeds of																				
84	26%	sediments ranging from v. coarse																				
		Sand to coal partings																				
	53%																					
		Clay: Lt. grey-DK Ben; non-plastic; ± 50%																				
	52%	organic rich clay; Coal beds as marked																				
88																						
	100%	Coal: DK Ben-Black; 75% finely divided organic			58925																	
		w/ 25% discernible plant fragments 90.0			68926																	
	71%	including clay; Upper 10 cm containing																				
		± 30% clay as partings; 62 cm org. clay			58927																	
	95%	parting from 90.0-90.6 m; 14 cm clay parting																				
92		from 92.15-92.21 m																				
	98%	Coal hard w/ exception of			58928																	
		10 cm soft coal near base			58929																	
	73%	Clay: Lt. grey; silty; non-plastic;																				
		w/ silt and organic. Laminar																				
	84%	in lower half																				
96																						
	100%																					
		Sand: Lt. grey; Coarse near base																				
	100%	grading to fine grnd. @ top; sorted																				
100		@ base less well sorted @ top																				
	26%	organic laminar @ top																				
	87%	Organic Clay: Lt. grey-DK brn.; w/ 30																				
		cm coal bed																				
		Clay: med. grey; silty & silt laminar																				
	100%	@ base and organic @ top																				

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	F.S.I	Reflec.		Sp. Gravity	
						as recvd.	dry basis	as recvd.	dry basis		as recvd.	dry basis									as recvd.
104		Clay + silt as above																			
	84%																				
	53%	Sand: Thin to med. beds of sand (coarse to fine grnd) and vy. fine gravel																			
108	60%																				
	57%																				
	16%	6 cm coal bed @ 110.33m																			
112																					
	83%																				
	65%	Clay: med. grey-DK. brn.; Non-plastic; silty (more silty @ base) coal beds w/ organic clay margins in upper 7/8's																			
116	87%																				
	27%	Sand: Lt. grey; coarse grnd @ base grading upward to laminated silt @ top																			
	67%																				
120		Coal: DK. brn. finely divided organic matter w/ 30% Lt. brn. wood fragments; Top 12 cm are sandy; Interbeds of clay from 121.3-121.4 m		58930																	Roller
	87%			58931																	
	98%																				
124		Clay: w/ thin interbeds of silt and sand																			Note Shear
	95%	Coal: DK. Brn.; hard; 75% matrix w/ 25% wood and grass stems - top is a shear @ 127.10-127.29		58932																	Roller
	97%			58933																	
128	97%			58934																	Resinater
		5 cm coal band @ 128.9m		58935																	
	94%	Clay: Lt. grey; In part laminated w/ silt and coal; Non plastic																			
	91%																				
132																					
	93%	Coal: DK. brn.; Hard; 50% finely divided matrix + 50% larger plant fragments; some narrow interbed clay		58920																	
	60%																				
	10%																				
136																					
	27%	Silt: Lt. grey; micaceous; micro & laminated; w/ thin bds of clay																			
140																					

