WELCOME NORTH MINES LTD. — DIAMOND DRILL LOG

Brock000038

Collar:
NORTH
EAST
ELEVATION 5287'
LOGGED BY M. McArthur
DATE LOGGED July 18, 1977
MAP REFERENCE 106C/16

Hole Survey	Footage	Azimuth	Dip
	201		-90

PROJECT Arctic Red Joint Venture
PROPERTY NAME AB C-ZONE
DRILLING CONTRACTOR Wink International
ASSAYER BONDAR-CLEGG, WHITEHORSE
PURPOSE OF HOLE TEST UPPER MINERALIZED ZONE

HOLE NO. AB 77-4
CLAIM NAME AB 86 (A86200)
COMMENCED July 14, 1977 (P.M.)
FINISHED July 16, 1977 (P.M.)

From	To	Rcvy %	Description	Mineralization	Sample From	Sample To	Sample Width	Sample No.	Assays Zn%	Assays Pb%	SL	PY	Visual Log
0	2		Overburden										
2	4												
4	6												
6	8												
8	10	100	Light-grey medium crystalline DLST,	PY V weathered to									
10	12	100	contact with underlying unit gradual	limonite, common.									
12	14	100	becoming more bituminous over lower 7'.										
14	16	100	From 10-15' weathered buff. Irregular										
16	18	100	dkgy wisps and mottles.										
18	20	100											
20	22	100											
22	24	100											
24	26	100											
26	28	100											
28	30	100											
30	32	100		1 cm PY V along									
32	34	100	Dkgy to black DLST; somewhat burrowed	bedding									
34	36	100	& slumped; generally very bituminous										
35	38	100	causing rock to be friable and laminated										
38	40	100											
40	42	100	- euhedral PY in matrix of channel										
42	44	100	Breccia or lithoclast breccia										
44	46	100											
46	48	100	- sparry interbeds, some oncolites	PY D & rims grains									
48	50	40	- minor DL BRXC										
50	52	70											
52	54	70											
54	56	70											
56	58	80		zoned SL D X cutting laminations									
58	60	80		PY assoc.	58	60	2'	120	3.82	0.01			
60	62	100											
62	64	100			64	68	4'	121	1.39	0.02			
64	66	100		(SL) 2 cm then									
66	68	100		15 cm along lam^{n}									
68	70	100		90% PY replacement									
70	72	100		cockscomb common									
72	74	100	Burrowed DLST; dkgy bituminous	rimming frags	74	78	4'	122	0.06	0.11			
74	76	100	matrix with grey to dkgy burrows										
76	78	100											
78	80	100		vf PY D bit matrix									
80	82	100		Crse cockscomb repl.									
82	84	100											
84	86	100	- minor slump BRXX										
86	88	100	- DL V with 1 cm displacement	crse PY repl. burrows									
88	90	100		(SL) D; DL V	89	94	5'	123	0.05	0.50			
90	92	100		GN in bit matrix									
92	94	100		PY, euhedral GN (SL)									
94	96	100		along lam^{n}, GN	94	99	5'	124	TR	1.92			
96	98	100		within PY entirely									
98	100	100		SL within GN	99	101	2'	125	0.03	6.64			
100	102	100	- bedding 45° suggesting slumped	PY-SL (GN) past 100'									
102	104	100			101	104	3'	126	0.60	0.68			
104	106	100											
106	108	100	Burrowed & slumped dkgy DLST, upper 15	PY abund fg matrix									
108	110	100	cm looks bioclastic (grey, 5 mm frags abundant)	D PY-SL-GN bit	108	110	2'	127	1.12	2.68			
110	112	100	- BRXC, DL V										
112	114	100											
114	116	100											
116	118	100											
118	120	100	Medium grained, grey, oosparite; crse	PY crse "V"									
120	122	100	PY abundant throughout; some bituminous	cockscomb, also vf									
122	124	100	interbeds; DL V common: seen cutting	xaln D in bit.									
124	126	100	PY and cut by PY										
126	128	100	- 123': laminated, more bituminous DLST										
128	130	100		PY D in matrix abund									
130	132	100											
132	134	100											
134	136	100											
136	138	100											
138	140	100		PY crse, with DL &									
140	142	100		bitumen X cuts DL									
142	144	100	- 143' oncolites	V - vert stylolite?									
144	146	100	- PY replaces matrix, oolites preserved										
146	148	100											
148	150	100											
150	152	100	- crse SL in DL V as well as D	SL in matrix, oolites	150	153	3'	128	10.3	0.06			
152	154	100		preserved ~20% SU									
154	156	100											
156	158	100	- 4 cm laminated grey DLST										
158	160	100	- minor assoc pyrobitumen	SL D post DL V	159	160	1'	129	2.22	0.03			
160	162	100											
162	164	100											
164	166	100											
166	168	100											
168	170	100	- silty DLST slump BRXX to 178'	PY matrix rimming									
170	172	100		frags									
172	174	100		(SL) within PY	172	176	4'	130	0.09	0.11			
174	176	100											
176	178	100			176	180	4'	131	0.47	0.04			
178	180	100		Crse SL D									
180	182	100	- 181-183 slump BRXX, frags rounded	PY vf D in frags									
182	184	100	5 - 5 cm of oomicrite in oolitic bit.	& matrix, also crse PY									
184	186	100	matrix										
186	188	100											
188	190	100											
190	192	100	- note that bit-PY-SL after DL V &	SL central to PY									
192	194	100	further cut by another DL V	in vert bit styl.									
194	196	100											
196	198	100	- 197 to 200 slump BRXX; frags grey &	PY in matrix of									
198	200	100	black micrite and oolitic DLST	oosparite	199	201	2'	132	0.33	0.02			
201		100	END OF HOLE	5 cm SL D followed									
				by barren oolitic DLST									