WELCOME NORTH MINES LTD. DIAMOND DRILL LOG

Brock000037

Collar:
NORTH 5+90N
EAST L9+45W
ELEVATION 5259'
LOGGED BY M. McArthur
DATE LOGGED July 18, 1977
MAP REFERENCE 106C/16

Hole Survey	Footage	Azimuth	Dip
	348		-90°

PROJECT Arctic Red Joint Venture
PROPERTY NAME AR
DRILLING CONTRACTOR Wink International
ASSAYER BONDAR-CLEGG, WHITEHORSE
PURPOSE OF HOLE TEST MINERALIZATION N IN UPPER TRENCHES

HOLE NO. AB 77-3A
CLAIM NAME AB 76 (A86200)
COMMENCED July 10, 1977 (A.M.)
FINISHED July 13, 1977 (P.M.)

From	To	Recv %	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												
10	12												
12	14												
14	16												
16	18	70	Laminated bituminous dkgy DLST,										
18	20	70	often friable										
20	22	70											
22	24	50											
24	26												
26	28	100	Bioturbated dkgy DLST with grey	v.f. dissem PY matrix									
28	30	100	crser beds; in part bioclastic	PY-SL zoned SL D	28	30	2'	95	.19	.02			
30	32	100	(brachiopods); soft sediment slump tex		30	32	2'	96	.01	.01			
32	34	80	also		32	34	2'	97	TR	.01			
34	36	80			34	36	2'	98	TR	.01			
36	38	80			36	38	2'	88	TR	TR			
38	40	100			38	40	2'	89	.75	.01			
40	42	100			40	42	2'	90	.77	.01			
42	44	100	- pale SL rimmed by orange, also D orange;	Zoned SL post PY	42	44	2'	91	.09	.01			
44	46	100	concentrated in bit. matrix		44	46	2'	92	4.48	.01			
46	48	100	- SL up to overlying more lam. bed then stops	vf PY, ndum SL D	46	48	2'	93	.10	TR			
48	50	100			48	50	2'	94	.71	.02			
50	52	100	- scoured bed with lithoclast; DL V with 5 mm										
52	54	100	left lateral movement										
54	56	100	Laminated friable bituminous dkgy DLST										
56	58	90	"	vf D PY in matrix &									
58	60	100	"	crse cockscomb in									
60	62	100	- vert bit. in mud-crack or vert. burrow	bit. vert. & horiz.									
62	64	100	Bioturbated bituminous grey DLST	vf PY D. throughout									
64	66	100	- vert. bit. wisps from soft sed. deformation	unit, rare 1 cm									
66	68	100	"	patch									
68	70	100	"										
70	72	100	"										
72	74	100	- 1 cm burrows look flattened										
74	76	100	"										
76	78	100	Medium to crse. grained oosparite; dkgy; bituminous	D SL, 6"; PY D	76	78	2'	99	.27	.02			
78	80	100	partings and stylolites common. At 78' PY re-	DL-CA V	78	80	2'	100	TR	.01			
80	82	100	placing 6" bituminous subvert. layer; could be		80	82	2'	101	.01	.03			
82	84	100	dyke formed during diagenesis. At 81' however	(SL) with PY crse	82	84	2'	102	.10	.01			
84	86	100	bitumin and PY post DL V, therefore looks like										
86	88	100	like stylolitic effect										
88	90	100											
90	92	100											
92	94	100											
94	96	100	Oncolitic oosparite; oncolites up to 2 cm but										
96	98	100	commonly less in mdum grained oolitic matrix										
98	100	100											
100	102	100											
102	104	100	- DL V cuts stylolites also stylolites										
104	106	100	displacing DL V										
106	108	100											
108	110	100											
110	112	100											
112	114	100	- 2' bioturbated DLST 113-115'										
114	116	100	Oolitic DLST, fine to coarse grained										
116	118	100											
118	120	100											
120	122	100											
122	124	100											
124	126	100	- local bituminous oolitic DLST	MK-PY-SL in bit.									
126	128	100	- vert stylolite w/coincident DL V displacing		126	128	2'	103	3.2	.02			
128	130	100	DL V										
130	132	100	- bioturbated										
132	134	100											
134	136	100											
136	138	100											
138	140	100	- 1) horiz. stylolites 2) vert DL V										
140	142	100	3) horiz. DL V										
142	144	100											
144	146	100											
146	148	100											
148	150	100		(SL) w/DL V									
150	152	100											
152	154	100	- 3' bioturb. bed										
154	156	100											
156	158	100	- horiz. stylolite displ vert DL V										
158	160	100		SL in bitum. stylolites									
160	162	100		post DL V									
162	164	100											
164	166	100											
166	168	100	Slightly burrowed dkgy DLST, slump BRXX;	PY-SL in bit matrix	166	169	3'	104	.63	.01			
168	170	100	thin sparry beds common; in general less	of slump & bioturb.									
170	172	100	DL V & crackle than oolite										
172	174	100											
174	176	100											
176	178	100											
178	180	100											
180	182	100											
182	184	100											
184	186	100	- 40° to axis bit. frax displaces DL V	(PY) bit. matrix									
186	188	100	- D rounded triangular fossil										
188	190	100											
190	192	100											
192	194	100		vf D Py as well as									
194	196	100	Zone of crackled and possibly slumped	crse cockscomb & cubic									
196	198	100	irregular breccia; subangular to rounded	PY									
198	200	100	DLST frags in grey DL matrix; cut by										
200	202	100	DL spar V; bituminous partings										
202	204	100											
204	206	100											
206	208	100	Well bedded dkgy f xaln DLST with	(PY) along bit lam^{n}									
208	210	100	sparry oncolitic & bioclastic beds 3-10 cm		209	211	2'	118	1.6	.02			
210	212	100	separated by bituminous 1 cm beds;	SL (PY) D + in DL	211	214	3'	119	.01	.01			
212	214	100	more micritic at base where may	V									
214	216	100	show loading										
216	218	100											
218	220	100											
220	222	100											
222	224	100											
224	226	100											
226	228	100											
228	230	100	- DL V <10° to axis; 2-cm left lateral										
230	232	100	displacement										
232	234	100											
234	236	100	Bituminous blck lam. DLST; fissile	PY in occasional									
236	238	100		beds, 1 cm, thick									
238	240	100											
240	242	100											
242	244	100											
244	246	100	Bioturbated dkgy DLST; burrows 1-2 cm										
246	248	100	"	crse PY patches 1-2 cm									
248	250	100	- 15 cm laminated interval	crse PY after fossils,									
250	252	100	- subrounded trilangular fossils	patches & w/DL in V									
252	254	100		PY in vert bit stylolite									
254	256	100	Grey burrows? in blck bit matrix; 2-4										
256	258	100	cm burrow										
258	260	100	Well bedded dkgy-blck bituminous DLST										
260	262	100	commonly laminated with local burrowed										
262	264	100	intervals and bioclastic intervals; weakly	PY after fossils									
264	266	100	burrowed 270-260; well lam sections										
266	268	100	are fissile										
268	270	100											
270	272	100											
272	274	100											
274	276	100		PY-DL V7 50° to core									
276	278	100											
278	280	100											
280	282	100											
282	284	100											
284	286	100		Py along lam^{n}									
286	288	100											
288	290	100											
290	292	100											
292	294	100		Py µV									
294	296	100											
296	298	100											
298	300	100	Weakly bioturbated dkgy bituminous DLST;	6" D PY-SL (zoned)	298	300	2'	105	.65	.01			
300	302	100	bituminous partings common	pref in ndum xaln									
302	304	100		DL sparry areas									
304	306	100											
306	308	100											
308	310	100											
310	312	100											
312	314	100											
314	316	100											
316	318	100											
318	320	100											
320	322	100	[white with alyzarine test]	DL-CA V									
322	324	100	- 1 mm white xals salt DLST BA?										
324	326	100	Bioturbated grey to dkgy bituminous DLST	PY crse & commonly	324	326	2'	106	8.4	.02			
326	328	100		cockscomb, SL flesh	326	328	2'	107	2.64	.03			
328	330	100		colour D in bit	328	330	2'	108	1.96	.03			10' of 4.33%
330	332	100	- BRXC w/SL-PY	matrix; minor in	330	332	2'	109	4.8	.03			
332	334	100		DL V (remob?)	332	334	2'	110	4.84	.05			
334	336	100	- 10 cm slump BRXX, grey frags deformed	At 326' xal GN within	334	336	2'	111	1.36	.04			
336	338	100	while soft	PY	336	338	2'	112	.13	.03			
338	340	100			338	340	2'	113	TR	.02			
340	342	100			340	342	2'	114	TR	.01			
342	344	100			342	344	2'	115	.03	.06			
344	346	100			344	346	2'	116	TR	.02			
346	348	100	END OF HOLE		346	348	2'	117	TR	.02			