



346160

GRIEVES PROSPECT C.R.A. EXPLORATION PTY. LIMITED  
DRILL CORE LOG

TENEMENT NAME GRIEVES SHEET No. 1 of 4  
No. ....

CO-ORDINATES 363090E 5341350N AZIMUTH 143 AMG DRILLERS ALMAC COMMENCED .....  
RL COLLAR ..... INCLINATION -70° DRILL TYPE LY44 COMPLETED 3/6/95

PLAN - MAP REFERENCE .....  
DEPTH 301.2 HOLE No. ZG413  
CASING LEFT ..... DPO No(s) .....

DEPTH		Core Rec. %	RG DATA	LITH CODE	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by .....)				
From (M)	To (M)										TO	RG	REC	RE	
0	12.8				PRECOLLAR - no core.						0	12.8	0	-	
12.8	30.8		3F	Ogsi	SILTSTONE Dark grey massive carbonaceous siltstone. moderately fractured.							13.2	4x	0.4	
												14.3		0.8	
												15.6		0.95	
												16.8		1.0	
30.8	35.1		3F	Ogd1	LEACHED DOLARENITE Light grey coarse grained (1-2 mm g/s) dolarenite, composed of bioclastic debris. Core extremely leached and porous.							20.2	3F	1.9	
												21.2	4F	1.1	
												22.2	3F	0.9	
												25.2	3F	2.5	
												26.6	3x	1.1	
												29.3	3F	1.15	
35.1	63.7		2F/4F	Ogul	CALCARENITE TO CALCRUDITE Grey weakly to moderately dolomitised. Unit composed of large coral and stromatopora fragments, white fragmented mollusc shells in gummy calc- dolarenite matrix. Unit characterised by pale yellow-grey to dark yellow-brown irregular patches of soft clayey material, possibly infill of stromatolite cavities. Unit is strongly fractured with numerous small r large cavities. Gradational contact with unit below. May be reef, or reef talus?							31.2		1.4	
												34.2		1.4	
												37.2		1.5	
												41.8	5	2.6	2m Cont.
												43.2	5x	0.2	
												44.9	5x	0.75	
												46.2	5x	0.7	
												48.1	4x	2.0	
												50.3	3x	2.1	
												52.2	3x	1.7	
												54.2	3x	1.8	
												54.7	5x	0.4	
												57.8	3x	2.4	
63.7	78.55		1F/4x	Ogmu	<del>SILT</del> LAMINATED MICRITE Light grey weakly dolomitised micrite. Planar laminated algal bands grading into stylolaminated, disrupted r stylobrecciated micrite. Minor massive micrite with some bird's eye textures. Narrow bioclastic beds.							59.7	4x	1.7	
												60.9	4x	0.8	
												63.0	3x	2.0	
												64.2	1F	1.2	
												66.1		1.9	
												67.2		1.2	

346161

C.R.A. EXPLORATION PTY. LIMITED  
DRILL CORE LOG

SHEET No. 2 of 4

TENEMENT NAME CRIEVEY No. ....

CO-ORDINATES 363690E 5349350N AZIMUTH 143 AMG DRILLERS ALMAC COMMENCED 29.5.95 PLAN - MAP REFERENCE.....  
 RL COLLAR..... INCLINATION -70° DRILL TYPE L744 COMPLETED 3.6.95 DEPTH 301.2 HOLE No. ZG413  
 CASING LEFT..... DPO No(s).....

DEPTH		Core Rec. %	QA DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)		
From (M)	To (M)										DRILL RUNS		
										TO	RO	REC	
					64.1 S <sub>0</sub> - C.A. $\delta$	58°					70.2	3X	2.4
					65.2 S <sub>0</sub>	60°					71.9	4X	1.0
					66.0 S <sub>0</sub>	60°					73.2	4X	1.1
					70.9 S <sub>0</sub>	65°					74.8	2B	1.5
											REDUCE TO NO		
78.55	98.55		3F	Ogul	CALCARENITE Grey medium to coarse calcarenite with characteristic light brown patchy bands of clayey material similar to 35.1-63.7m. No obvious reef-building organisms.						76.2	2B	1.2
											79.2	2F	2.75
											82.2	3F	2.75
											84.8	2F	2.1
											87.6	3F	1.25
											88.9	6X	0.65
98.55	124.4		1B	Ogul	FOSSILIFEROUS BANDED LIME MUDSTONE Banded limestone comprised of light grey 100mm-300mm fine calcarenite separated by 10-30mm bands of dark grey lime mud. Common bands of bivalve debris.						91.2	3F	1.6
											92.2	4F	0.6
											94.0	3F	1.0
											95.6		0.75
											96.8		0.8
					110.2 S <sub>0</sub> - C.A. $\delta$	64°					98.1		0.8
											100.2		2.05
124.4	138.25		2F	Ogul	CALCITE VEINED LIMESTONE Grey limestone cut by stockwork of 0.2-5mm white calcite veins.						101.7		1.4
											104.7	1B	3.05
											106.2	2B	1.45
											109.2	1B	3.0
138.25	257.4		2F	Ogul	FOSSILIFEROUS BANDED LIME MUDSTONE Similar to 98.55-124.4, but bivalve bands are rare. Instead unit has minor bands of round to elongate fossil fragments 5-10mm in diameter. Becomes more strongly nodular (nodules 5-10mm) below 200m. Black carbonaceous band 243.45-244.2, almost sooty in appearance.						112.2		2.9
											115.2		3.05
											118.2		3.0
											121.2		3.0
											124.2	3B	3.0
											127.2	2F	3.0
											129.8	2F	2.7
											131.1	3F	0.85

346162

C.R.A. EXPLORATION PTY. LIMITED  
DRILL CORE LOG

SHEET No. 3 of 4

TENEMENT NAME GRIEVES No. ....

PLAN - MAP REFERENCE.....

CO-ORDINATES 363690 E 3349350 N AZIMUTH 143 AMC DRILLERS ALMAC COMMENCED 29.5.95 DEPTH 301.2 HOLE No. 26413RL COLLAR..... INCLINATION -70° DRILL TYPE LY44 COMPLETED 3.6.95 CASING LEFT..... DPO No(s).....

DEPTH		Core Rec.	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)		
From (M)	To (M)									DRILL RUNS		
										TO	RO	REC
				142.0 So - c.A	76°					133.2	2V	2.1
				140.9	65°					136.2	2V	2.95
				153.2	68°					138.9	3V	2.45
				159.2	60°					141.9	2B	100%
				189.5	62°					145.0	1B	
				196.5	65°					148.1	2B	
				220.0	70°					151.2	3V	
				253.6	70°					154.2	2B	
										157.2	2B	
257.4	268.2	2F	Agul	FOSSILIFEROUS CALCARENITE						160.2	2B	
				Grey <del>matrix</del> calcarenite with large coral? fragments. Also interval contains micritic limestone breccia fragments with white calcite matrix? Minor banded lime mudstone.						163.2	2B	
				259.5 So	70°					166.2	2B	
				265.0	68°					169.2	2B	
										172.2	2V	
										175.2	2F	
										178.2	2F	
										181.2	2F	
268.2	274.2	3X	Agul	CARBONATE BRECCIA						184.2	1B	
				Dark grey to black breccia comprised of angular dolomite and ? carbonaceous siltstone? fragments in carbonaceous matrix.						187.2	1B	
				Some algal laminations preserved. Possibly syn-sedimentary fault? 1.5m cavity approx 272.7-274.2m.						190.2	2F	
				269.8 So	62°					193.2	2F	
										196.2	2F	
										199.2	2B	
										202	1F	
										205	1F	
										208	1B	
274.2	283.75	1F	Agul	LIMESTONE BRECCIA						211	3V	
				Grey limestone comprised of irregular breccia blocks, fossil debris and coarse calcarenite. Some calcarenite is planar banded. Reef breccia or reef talus?						214	2V	
										217.1	3F	

346163

C.R.A. EXPLORATION PTY. LIMITED  
DRILL CORE LOG

SHEET No. 4 of 4

TENEMENT NAME GRIEVES No. ....

CO-ORDINATES 363690 E 5349350 N AZIMUTH 143 AMG DRILLERS ALMAC COMMENCED 29.5.95  
RL COLLAR ..... INCLINATION -70° DRILL TYPE L744 COMPLETED 3.6.95

PLAN - MAP REFERENCE .....

DEPTH 301.2 HOLE No. ZG413

CASING LEFT ..... DPO No(s) .....

DEPTH		Core Rec %	RQ DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by .....)		
From (M)	To (M)										DRILL ROWS		
										TO	RQ	REC	
					280.4 So -CA & 66°						200.2	2V	100% 2-6 (0.5m core)
											203.2	3V	100%
283.75	<del>280.4</del>		IF	ogul	NODULAR + BANDED LIME MUDSTONE						226.2	3B	
	301.2				Gray limestone characterised by 2-10mm subrounded to subangular limestone nodules. Could be <del>round</del> rolled angular balls? Angular nodules are due to stylolitic margins. Nodules define a crude layering. Minor beds of coarse calcarenite.						229.2	2F	
	EOH										232.2	2V	
											235.2	2V	
											238.2	3V	100%
											241.2	1F	2.85
											244.2	3V	0.10 (2.6m core)
											247.2	4V	0.50 ↓ ↓
											250.2	2F	2.95
											253.2	2V	100% 2-2
											256.2	2F	100%
											259.2	3F	100%
											262.2	2F	
											265.2		
											268.2		
											270.6	3X	2.45
											274.2	3X	2.0 (1.5m core)
											277.2	1F	100%
											280.2	1F	
											283.2	1B	
											286.2	1F	
											289.2		
											292.5?		
											295.8?		
											298.2		
											301.2		