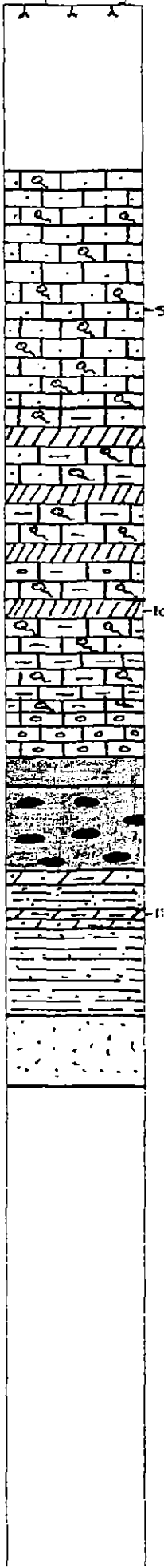


HOLE NAME: DD9526404 AMG EAST 364758 NORTH 5349843
 PROSPECT: GRIEVES GRID EAST 60997 NORTH 48349.5
 EL: ZEEHAN 4 EL38/89 RL DEPTH 178.5m.

DATE DRILLED: 22/3/95
 LOGGED BY: S.J. TEAR
 DRILLING CO.: ALMAC
 DRILL TYPE: DIAMOND
 DRILL RIG: LY44
 LOC DRILL CORE: ZEEHAN

SURVEYS:					
DEPTH (m)	AZIM (AMG)	DIP	DEPTH	AZIM (AMG)	DIP
0	150°	65°			
50	151°	66°			
100	152°	66°			
150	153°	67°			

Graphic Log



OBJECTIVES OF HOLE:
 DRILLHOLE IS PART OF A FAN OF 3 HOLES DESIGNED TO TEST THE DOWN PLUNGE OF THE GRIEVES MINERALISATION (LOWER SANDSTONE / LIMESTONE CONTACT) NORTH OF THE GRIEVES FAULT

LITHOLOGICAL SUMMARY:

FROM	TO	FORM CODE	COMMENTS
0	27.5	Qha	Overburden + open holeing - no recovery.
27.5	66.6	Ogul	Clean locally bioclastic fine grained calcarenites
66.6	107.0	Ogul	Clean calcarenites with faulted zones; in laminated micrite units
107.0	117.1	Ogul	Mixed bioclastic calcarenites with argillaceous material.
117.1	124.5	Og00	Equigranular bioclastic calcarenite - ? oolite unit.
124.5	129	Ogdc	?Dolomitic dark grey clay unit with rock fragments
129	143.0	Ogsd	Black clays with siderite zones - dolomitic.
143.0	152.65	Ogdl	Dolomitic limestones and quartzites with black clays.
152.65	166.85	Ogst	Orange limonitic clays locally siliceous + sandy.
166.85	178.5	Om	Moina Sandstone - variably coloured sandy clays and sandstones

MINERALISATION SUMMARY:

FROM	TO	COMMENTS
151	152.65	0.82% Zn + 1.68% Pb hosted in black clay beneath dolomite
154.5	155.9	0.52% Zn + 1.11% Pb Orange limonitic clays

CONCLUSIONS:

Bedding @ 37m 65° to dA @ 77.5m 60° to dA @ 120m 50° to dA (?) @ 175.5m 70° to dA.
 Drillhole failed to intersect significant zinc mineralisation

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

SHEET No. 1 of 6

346043

TENEMENT NAME GRIEVES No.

364758 E

CO-ORDINATES 5349843A AZIMUTH..... DRILLERS ALMAC COMMENCED 22.3.95 DEPTH 178.5m HOLE No. ZC404

RL COLLAR..... INCLINATION 65° DRILL TYPE LY44 COMPLETED 1.4.95 CASING LEFT..... DPO No(s).....

DEPTH		Core REC %	RC DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)				
om (M)	To (M)										REC FROM	REC TO	(M) REC	REC %	
0	27.5	0			TRICOLLERED - OVERBURDEN + LIMESTONE							27.5	28.5	1.0	100
												28.5	29.5	1.0	100
7.5	32.66	100	2	Ogul	light grey micritic calcarenite with stylolites. v. minor argillaceous material - Possible micrite sint							29.5	31.5	2.0	100
												31.5	34.5	3.0	100
												34.5	37.5	3.0	100
												37.5	39.8	2.1	80
												39.8	41.3	1.0	66
2.66	37.0	100	1	Ogul	Interbedded micrite/calcarenite and dark grey med grained argillaceous calcarenite. Irregular bedding. Brecciated core from 33.6-33.9 Localised broken core.	33.7 Carbonate breccia vein 60° to c/A. Some calcite + v. minor pyrite. Possible cleavage 15° to c/A. minor calcite veining. Possible bedding 65° to c/A.						41.3	42.6	1.3	80
												42.6	44.4	1.8	100
												44.4	46.0	1.6	100
												46.0	46.5	0.4	80
												46.5	49.5	3.0	100
												49.5	52.5	3.0	100
												52.5	55.5	3.0	100
												55.5	57.9	2.4	100
7.0	44.8	90	2	Ogul	med/fine grained grey calcarenite with v. minor argillaceous calcarenite. Locally bioclastic - localised zones of broken + weathered core. Possible fault zone @ 41.3	One calcite veining i) Sub parallel to c/A < 1cm ii) 65° to c/A < 2mm. iii) 45° to c/A < 2mm. iv) 25° to c/A < 1cm.						57.9	60.3	2.0	81
												60.3	61.7	0.7	50
												61.7	63.5	1.5	82
												63.5	64.5	0.9	90
												64.5	65.5	1.0	100
												65.5	70.3	4.8	100
												70.3	71.5	1.0	82
												71.5	72.6	1.0	100
												72.6	73.4	0.6	75
4.8	146.5	90	3X	Ogul	Intermixed fine grained grey calcarenite and med grained argillaceous calcarenite - oncolitic? Broken core 45.5-46 poss fault zone.	From 44m pyrite on plane surface.						73.4	76.5	3.1	100
												76.5	79.5	3.0	102
												79.5	82.5	2.8	93
												82.5	83.5	2.8	93
												83.5	87.5	1.8	90
												87.5	88.5	0.5	50
												88.5	89	0.25	50

346047

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

SHEET No. 5 of 9

TENEMENT NAME CRUEVES No.

364758 E

PLAN - MAP REFERENCE.....

CO-ORDINATES 5349843 N AZIMUTH..... DRILLERS ALMAC COMMENCED 22.3.95 DEPTH 178.5 HOLE No. 29404

RL COLLAR..... INCLINATION 65° DRILL TYPE L744 COMPLETED 1.4.95 CASING LEFT..... DPO No(s).....

DEPTH m	To (M)	Core Rec. %	RW DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)			
											Rec From	Rec To	Rec (m)	Rec %
8	87	100	1	Ogfe	Brown/dise green laminated E weathered unit - possibly an argillaceous siltstone and localised small scale faulting - listric type faulting Basal section with breccia clasts	Top contact 65° to c/a Bedding 65° to c/a.					89	90.4	1.2	100
											90.4	91.2	0.8	100
											91.2	94.3	3.1	100
											94.3	97.3	3.0	100
											97.3	100.4	3.1	100
											100.4	102.7	2.3	100
											102.7	103.5	0.8	63
											103.5	105	1.5	100
90.0	50	50	5X	Ogfe	light grey fine grained micritic calcarenite with light brown weathered patches on top.	with irregular calcite veining Pyrite seams associated with the veining Veining 60° to c/a					105	106	0.7	70
											106	107	1.0	100
											107	108	1.0	100
											108	111	2.0	66
											111	112.5	0.75	50
											112.5	115.1	2.6	100
0	91.2	90	5	Ogfe	Clay gouge zone.	Pyrite veinlets/seams with small zones. basal contact pyritised 30° to c/a.					115.1	117.1	2.0	100
											117.1	118.5	1.4	100
											118.5	121.5	3.0	100
											121.5	124.5	2.7	90
											124.5	125.2	0.35	50
2	197.2	100	1	Ogfe	light gray micritic fine grained calcarenite with Mixed in med grained dk grey calcarenite	locally abundant calcite veining Veining i) Sub parallel to core ii) 75° to c/a iii) 45° to c/a abundant stringers.					125.2	127.1	0.4	26
											127.1	129	0.95	50
											129	130.1	0.8	80
											130.1	133.2	0.7	33
											133.2	134.4	0.5	15
											134.4	137.5	0.4	12
											137.5	141	0.15	10
											141	142.1	0.5	50
											142.1	143	0.07	10
72	100.8	90	5	Ogfe	Clay gouge/breccia zone Dark grey/black clay - broken	Pyrite seams on clasts. Vuggy calcite veining @ 98.8		99.85	100.8		143	145	0.2	20
											145	145.5	0.05	10
											145.5	146.4	0.6	60

