CRA EXPLORATION PTY. LIMITED

DRILL-HOLE SUMMARY LOG

346092

Graphic Log

HOLE NAME:	DD952G408		AMG	EAST 364606	NORTH	5349543
PROSPECT:	GRIEVES		GRID	EAST 61145	NORTH	48048
EL:	ZEEHAN 4	EL38/89	RL		DEPTH	152.2m

DATE DRILLED:	13/5/95
LOGGED BY:	S.J.TEAR
DRILLING CO.:	ALMAC
DRILL TYPE:	DIAMOND
DRILL RIG:	L44
LOC DRILL CORE:	ZEEHAN

SURVEYS:

DEPTH (m)	AZIM (AMG)	DIP	DEPTH	AZIM (AMG)	DIP
0	-	90°			
50	-	90°			
142	299	89.5			

OBJECTIVES OF HOLE:

DRILLHOLE IS PART OF A FAN OF 3 HOLES DESIGNED TO TEST DOWN DIP + DOWN PLUNGE POTENTIAL OF THE GRIEVES MINERALISATION SOUTH OF THE GRIEVES FAULT (LOWER LIMESTONE/SANDSTONE CONTACT)

LITHOGICAL SUMMARY:

FROM	TO	FORM CODE	COMMENTS
0	70.0	Qha	Overburden + Triconed Limestone - no recovery.
70.0	82.5	Ogfz	Fault Zone - GRIEVES FAULT.
82.5	94.6	Ogul	Clean fine grained calcarenite
94.6	109.1	Ogfz	Fault Zone
109.1	109.4	Ogsd	Siderite alteration of limestone
109.4	136.0	Ogfc	Uniform ferruginous sericitic clays
136.0	152.6	Om	Rotted and brecciated Sandstone - Moina Sandstone

MINERALISATION SUMMARY:

FROM	TO	COMMENTS	
109.1	109.4	0.94% Zn	hosted in a sideritically altered limestone
130.6	132.6	0.29% Zn	hosted in ferruginous clays
136.6	138.1	0.36% Zn	hosted in sheared and brecciated rotted sandstone ?fault altered.

CONCLUSIONS:

Bedding @ 143° 45° to cA(?)

No significant mineralisation was intersected; The upper part of the hole is believed to be part of the overall Grieves fault zone.

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DRILL CORE LOG

SHEET No. ... TENEMENT NAME GRIEVES No. 1 of 2

PLAN – MAP REFERENCE

CO-ORDINATES 364606E 5349543N AZIMUTH — DRILLERS ALMAC COMMENCED 19/5/95 DEPTH 152.6 HOLE No. ZG402

RL COLLAR ... INCLINATION 90° DRILL TYPE LY44 COMPLETED 23.5.95 CASING LEFT ... DPO No(s) ...

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD DAM	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ...)			
											RE (From)	RE (To)	RE (m)	RE (%)
0	70	0	–	–	TRICONED LIMESTONE. No recovery						0	70	0	0
											70	70.6	0.6	100
											70.6	71.5	0.9	100
70	32.5			Ogfz	Faulted limestone - probable Grieves fault zone.		414287	73.0	74.4		71.5	73	1.5	100
											73	73.8	0.8	100
							92	76.3	78.3		73.8	75.6	1.8	100
32.5	38.2			Ogml	Micritic limestone with brown/tawny fault gouges.						75.6	76.8	1.2	100
							81	94.2	95.9		76.8	78.3	1.5	100
											78.3	79.6	1.3	100
38.2	91.3			Ogml	Fine grey argillaceous coherent; locally micritic Occ clay gouge zone.	Irregularly veined (calcite)					79.6	80.1	.25	50
											80.1	81.3	1.1	
											81.3	82.2	0.9	100
											82.2	84.2	2.0	100
91.3	94.6			Ogml.	More micritic with well preserved clay gouges/fault zones	Fault zone 45° t c/A. Irregular calcite veins					84.2	85.9	1.7	100
											85.9	86.6	0.6	
											86.6	87.9	0.6	
											87.9	90.9	3.0	100
94.6	109.1	5%		Ogfz	Broken core; clay breccias /fault zone; micritic limestone, light grey with rusty iron -rich calcite veg infill; with	Major calcite vein 50° t c/A. 95.7 - 96.0. Sli broken zones	90	94.6	95.7		90.9	93.6	2.7	100
							91	95.7	97.6		93.6	94.6	0.9	90
											94.6	95.7	1.1	100
							92	102.64	103.3		95.7	97.6	1.9	100
							93	103.3	105.2		97.6	98.0	0.4	100
109.1	109.4	3	100	Ogml	Si. dolomitic alteration of grey limestone						98.0	99.3	1.3	100
							94	107.8	109.1		99.3	99.8	0.4	80
							95	109.1	109.4		99.8	100.6	0.5	
109.4	136.0	5		Ogfc	Uniform locking ferruginous micritic clays		96	109.4	111.0		100.6	101.3	0.7	100
							97	111.0	112.6		101.3	102.4	1.1	100
							98	112.6	114.1		102.4	103.3	0.9	
136.0	138.0	5%			Zones of brecciation and rotted sandstone (med grained) fragments - heavily sheared.		99	114.1	115.6		103.3	105.2	1.5	
							414300	115.6	117.1		105.2	105.9	0.7	100
											105.9	107.1	1.0	90

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DRILL CORE LOG

346094

SHEET No. ....

TENEMENT NAME GREVES No. 24

364606 E

CO-ORDINATES 7349543 N AZIMUTH ..... DRILLERS ALMAK COMMENCED 19.5.95 DEPTH 152.6 HOLE No. ZG408

PLAN – MAP REFERENCE .....

RL COLLAR ..... INCLINATION 90° DRILL TYPE LY44 COMPLETED 23.5.95 CASING LEFT ..... DPO No(s) .....

DEPTH From (M)	DEPTH To (M)	Core Rec %	RQD 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)	WIDTH (m)	Rec (%)
3.3	139.6			0	Sheared clayey silt; ferruginous.	Fabric 50° to c/a.	5465581	117.1	118.6		107.3	107.8	0.7	100
							2	118.6	120.1		107.8	109.1	1.2	
							3	120.1	121.6		109.1	110.3	0.5	
39.6	142.6	20	5x		Multicoloured clay with white, orange, maroon.		4	121.6	123.1		110.3	110.6	0.3	100
							5	123.1	124.6		110.6	112.6	2.0	100
							6	124.6	126.1		112.6	115.6	3.0	100
126	143	100	5x		Sheared contact with underlying siltstone - ?fault gouge.	50° to c/a. contact.	7	126.1	127.6		115.6	118.6	3.0	100
							8	127.6	129.1		118.6	121.6	3.0	100
							9	129.1	130.6		121.6	124.6	3.0	100
							5465816	130.6	132.6		124.6	127.6	3.0	100
3	152.6	23	3x	0in	Marine siltstone; light grey /white/brown med grained siltstone - uniform Bedding to core.	Bedding ? 45° to c/a.	11	132.6	134.6		127.6	130.6	3.0	100
							12	134.6	136.6		130.6	132.6	2.0	100
							13	136.6	137.1		132.6	133.6	1.0	100
							14	137.1	139.6		133.6	136.6	2.5	
							15	139.6			136.6	139.6	3.0	100
							15	142	143		139.6	142.6	0.7	
							16	143	145.6		142.6	145.6	1.6	
							17	145.6	148.6		145.6	148.6	0.5	
											148.6	151.6	0.5	
											151.6	152.6	0.9	90
							5465818	97.6	99.8					
							819	99.8	102.4					
							820	105.2	107.8					
							821	148.6	152.6					