CRA EXPLORATION PTY. LIMITED

DRILL-HOLE SUMMARY LOG

301059

HOLE NAME: DD96DS100 AMG EAST 366180 NORTH 5357513

PROSPECT : SUNNY CORNER GRID EAST 65745 NORTH 57568

EL: MT DUNDAS EL 45/92 RL 148m. DEPTH 237.1m.

DATE DRILLED: 22/2/96

LOGGED BY: S.J.TEAR

DRILLING CO.: D.D.TAS P/L

DRILL TYPE: DIAMOND

DRILL RIG: LONGYEAR 38

LOC DRILL CORE: ZEEHAN

SURVEYS:

DEPTH	AZIM (AMG)	DIP	DEPTH	AZIM (AMG)	DIP
0	098°	57°			
50	102°	58°			
101	099°	59°			
156	098°	60°			
200	101°	60°			

OBJECTIVES OF HOLE:

Second attempt at target 2 for DD96DS99. – the 'Oceana Horizon'

LITHOGICAL SUMMARY:

FROM	TO	FORM CODE	COMMENTS
0	2.5	Qha	Overburden
2.5	19.8	Ogdc	Dark grey clay with dolomite fragments
19.8	55.8	Ogud	Dolomitised nodular calcarenite - dedolomitised 19.8-22.4
55.8	75.8	Ogud	Rotted dolomite zone with clays and fault breccias
75.8	95.5	Ogud	Dolomitised burrowed calcarenite with argillite.
95.5	105.5	Ogud	Dolomitised ?micrite.
105.5	123.2	Ogud	Dolomite - broken Core
123.2	164.2	Ogsi	Siltstone Unit (upper 13m Transitional)
164.2	201.0	Ogdl	Dolomitised nodular calcarenites and syn-sedimentary breccias
201.0	203.3	Ogdl	Dolomitised laminated micrite unit.
203.3	222.4	Ogdl	Dolomitised synsedimentary breccias
222.4	228.8	Ogdl	Dolomite - broken core + core loss ?fault.
228.8	237.1	Ogdl	Dolomitised calcarenites, locally argillaceous, veined + bioturbated

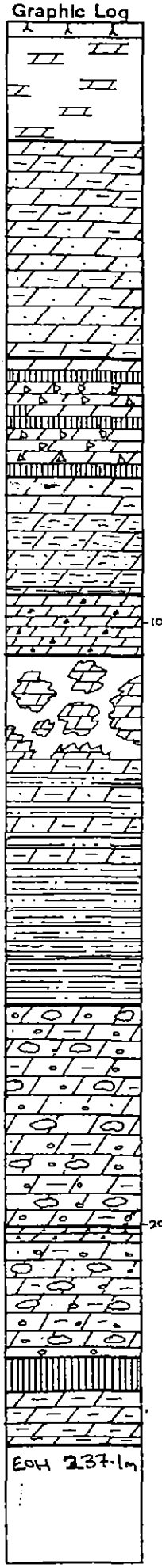
MINERALISATION SUMMARY:

FROM	TO	COMMENTS
115.2	144.9	0.3% Zn (Pb 0.1%) Hosted by dolomitised calcarenite and Siltstone Unit upper transition - Dissem Sphalerite in veins (inc 1.7m @ 0.64% Zn from 118.8m)
162	167.4	0.32% Zn Hosted by pyritic sub-Siltstone Unit dolomitised calcarenites (inc 1.7m @ 0.53% Zn from 164.2)

CONCLUSIONS:

Hole abandoned due to bad ground.
The synsedimentary breccias have up to 10% pyrite in matrix.
The hole has abundant sulphide fissures not seen elsewhere in Zeehan area.
Mineralisation is related to pyritic Siltstone Unit + its transition zones.
Hole is regarded as very significant – lower contact test is needed.
Bedding @ 95m 60° to c/A @ 132m 70° to c/A.

Graphic Log



C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 1 of 7

TENEMENT NAME MT. DUNDAS No. 45/92

PLAN – MAP REFERENCE SUNNY CORNER

AMG: 366180E 5357513N.

CO-ORDINATES ... AZIMUTH 086 MAG ... DRILLERS DDTAS ... COMMENCED 22/2/96 ... DEPTH 237.1m ... HOLE No. DDH96 DS100

RL COLLAR 148m. ... INCLINATION 57° ... DRILL TYPE LY38(H) ... COMPLETED 26/3/1996 ... CASING LEFT ... DPO No(s) 82154

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 ...) MAG SUS Depth	Value	Depth	Value	Rec (From)	Rec (To)	Rec (m)	Rec (%)
0	2.5	0	–	Qha	Overburden						2.5	0	18.0	0	0	2.5	–	–
											3.0	0	18.5	2	2.5	3.3	0.8	100
2.5	19.8	47	5x	Qgud	Dark grey/grey clay with dolomite fragments - broken core	Dolomite veining in fragments	585287	2.5	3.9		3.5	clc	19.0	0	3.3	6.0	1.2	44
							72	3.9	6.0		4.0	0	19.5	0	6.0	9.0	2.0	67
							73	6.0	9.0		4.5	clc	20.0	4	9.0	12.0	–	–
							74	12.0	14.3		5.0	5	20.5	5	12.0	14.3	0.6	27
19.8	25.5	100	1	Qgud	Grey dolomite - altered slightly argillaceous calcarenites	Occ quartz veining + some pervasive silicification veins 65° to c/A parallel to a ?syn sed breccia band (20.0m)	75	14.3	15.8		5.5	clc	21.0	5	14.3	15.8	0.9	60
							76	15.8	18.0		6.0	6	21.5	0	15.8	19.6	1.8	48
							77	18.0	19.7		6.5	clc	22.0	clc	19.6	21.0	1.5	100
							78	19.7	21.0		7.0	10	22.5	4	21.0	22.4	1.3	91
							79	21.0	22.4		7.5	clc	23.0	clc	22.4	25.5	2.0	64
							80	22.4	25.5		8.0	10	23.5	5	25.5	27.0	1.5	100
25.5	32.4	100	1	Qgud	nodular dolomitised argillaceous calcarenite; argillite interstitial infill between nodules. Completely dolomitised.	loss of veining	81	25.5	28.5		8.5	clc	24.0	15	27.0	28.5	1.5	100
							82	28.5	30.8		9.0	15	24.5	5	28.5	30	1.5	100
							83	30.8	33.9		9.5	clc	25.0	6	30	30.8	0.8	100
											10.0	clc	25.5	10	30.8	32.4	1.6	100
											10.5	clc	26.0	9	32.4	33.9	1.5	100
32.4	32.75	100	5x	Ogfz	Dark grey clay with brecciated dolomite fragments. lower contact 80° to c/A.		84	33.9	37.0		11.0	clc	26.5	10	33.9	35.5	1.6	100
											11.5	clc	27.0	9	35.5	37	1.5	100
											12.0	0	27.5	5	37	38.6	1.6	100
											12.5	clc	28.0	5	38.6	40.2	1.6	100
32.75	49.5	100	1	Qgud	Nodular dolomitised calcarenite	Dol veining 80° to c/A <0.5cm. disappears after 35.5m. occ blob of dissem. pyrite.	85	37.0	40.2		13.0	clc	28.5	10	40.2	41.7	1.75	100
							86	40.2	43.4		13.5	clc	29.0	0	41.7	43.4	1.5	88
							87	43.4	45.0		14.0	0	29.5	8	43.4	44.9	1.5	100
							88	45.0	48.0		14.5	clc	30.0	5	44.9	46.9	2	100
49.5	54.7	100	1	Ogud	Grey amorphous looking dolomite more nodular looking towards base	Cleavage-plane alteration 45° to c/A Minor blebs of pyrite.	89	48.0	51.0		15.0	5	30.5	6	46.9	48	1.1	100
							90	51.0	53.8		15.5	clc	31.0	5	48	49.5	1.5	100
							91	53.8	55.9		16.0	30	31.5	0	49.5	51.0	1.5	100
							92	55.9	58.4		16.5	clc	32.0	5	51.0	52.3	1.3	100
54.7	68.2	67	5x	Ogfz	Zone of broken core/clay gouge Vuggy dolomite		93	58.4	61.1		17.0	clc	32.5	5	52.3	53.9	1.5	100
							94	61.1	64.2		17.5	clc	33.0	4	53.8	55.4	1.6	100

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 2 of 7

TENEMENT NAME ..... No. 4592

PLAN – MAP REFERENCE SUNNY CORNER

366180E

CO-ORDINATES 5557513N AZIMUTH 086° Mag DRILLERS DDIAS COMMENCED 22/2/96 DEPTH 837.1m HOLE No. DD96 DS100

RL COLLAR 148m INCLINATION 57° DRILL TYPE LY38 (H) COMPLETED 26/3/96 CASING LEFT ..... DPO No(s) 82154

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by .....) mag sus Depth	Value	Depth	Value	REC From	REC (to)	REC (t)	REC %
68.2	70	100	4f	Ogud	Broken Core - dolomite	Poss fracture planes 75°6 c/A	5852895	64.2	66.5		33.5	5	49.0	5	55.4	57	1.4	88
							96	66.5	69.5		34.0	10	49.5	2	57	58.4	0.8	57
70	73.2	100	2	Ogud	Grey dolomite - nodular calcarenite (slightly argillaceous)	Thin veinlets of dolomite irregular orientation.	97	69.5	73.2		34.5	11	50.0	0	58.4	59.4	0.7	70
							98	73.2	74.4		35.0	11	50.5	0	59.4	61.1	0.6	35
							99	74.4	75.7		35.5	10	51.0	5	61.1	61.9	0.5	63
73.2	74.9	100	5x	Ogfz	Sheared dolomite with clay zones (+/- broken core) shear angles possibly 45° & c/A.	Small blebs of galena associated with dol. veining and shearing - dol breccia vein with blebs of pyrite	5852900	75.7	77.5		36.0	10	51.5	10	61.9	63.0	0.6	54
											36.5	8	52.0	10	63.0	65.3	1.4	61
											37.0	8	52.5	12	65.3	66.0	0.7	100
											37.5	10	53.0	5	66.0	66.5	0.5	100
											38.0	12	53.5	c/c	66.5	67.5	1.0	100
74.9	82.5	100	1	Ogud	Grey dolomite - probably altered argillaceous nodular calcarenite	Irregular dolomite veining intensity decreasing downhole localised zones of <5mm quartz veining 60° t c/A. @ 81.2 poss bedding 60° to c/A.	5852101	77.5	80.6		38.5	10	54.0	14	67.5	69.0	1.5	100
							02	80.6	82.4		39.0	10	54.5	11	69.0	70.5	1.5	100
											39.5	9	55.0	15	70.5	71.6	1.1	100
											40.0	7	55.5	17	71.6	73.2	1.5	94
											40.5	6	56.0	23	73.2	74.4	1.0	83
											41.0	10	56.5	17	74.4	76.0	1.6	100
82.5	82.7	100	5x	Ogfz	Fault Zone - upper contact 45° to c/A.		03	82.4	85.4		41.5	6	57.0	21	76.0	77.5	1.5	100
											42.0	5	57.5	18	77.5	79.1	1.6	100
											42.5	5	58.0	25	79.1	80.6	1.5	100
82.7	83.8	100	3f	Ogud	Dolomite as before						43.0	c/c	58.5	c/c	80.6	82.2	1.6	100
											43.5	10	59.0	29	82.2	82.9	0.7	77
83.8	84.0	100	5x	Ogfz	Fault zone - upper contact 45° to						44.0	8	59.5	c/c	82.9	83.4	0.5	100
											44.5	5	60.0	19	83.4	84.6	1.2	100
											45.0	10	60.5	26	84.6	85.4	0.7	88
84.0	85.4	100	3f	Ogud	Dolomite with occ clay fault zones - some faulting sub-parallel to c/A.		04	85.4	88.5		45.5	2	61.0	c/c	85.4	86.9	1.5	100
											46.0	0	61.5	16	86.9	88.5	1.6	100
											46.5	c/c	62.0	12	88.5	89.6	1.1	100
											47.0	6	62.5	14	89.6	91.5	1.8	95
85.4	94.0	100	3f	Ogud	Nodular argillaceous dolomitised calcarenite; minor clay gouges 50° t c/A.; possibly bioclastic	Occ zones of <5mm veining dol/silica. Minor galena blebs in veining	05	88.5	91.5		47.5	6	63.0	c/c	91.5	92.5	0.9	90
							06	91.5	94.0		48.0	0	63.5	12	92.5	94.0	1.4	93
											48.5	2	64.0	9	94.0	95.5	1.5	100

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 3 of 7

TENEMENT NAME ..... No. 45/92

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES 366180 E 5357513 N AZIMUTH 086° Mag DRILLERS DDTAS COMMENCED 22/2/96 DEPTH 237.1m HOLE No. DD96 DS100

RL COLLAR 148m INCLINATION 57° DRILL TYPE LY38 (H) COMPLETED 26/3/96 CASING LEFT ..... DPO No(s) 82154

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)
94.0	95.5	100	1f	Qgud	Partially silicified dolomite (ex argillaceous - Possibly a sandstone unit	Bedding @ 95m. 60°t c/A.	5852107	94.0	96.5	
95.5	100	100	4f	Qgud	Ddomitised nodular calcarenite with zones of broken core	Dol veining <1cm irregular occ with sphalerite or galena blebs eg 99.5m.	08	96.5	99.5	
							09	99.5	102.5	
00	105.1	100	1f	Qgud	Lt grey dolomite - probably nodular .. calcarenite with minor argillaceous material. ?Syn sed breccia @ 100m.	. Dol veining <7mm regular c/A angle. 60°t c/A. Dol veining infill 70°t c/A.	10	102.5	105.5	
105.1	109.8	75	4f	Qgud	Grey dolomite with zones of broken core/clay gouges	occ dol/cal veining <1cm 70°t c/A Pow fault zone @ 108.9m 30° t c/A. Blood red sphalerite blebs @ 106.7 - 107.6m associated with veining. Minor dissem of pyrite.	4	105.5	108.5	
109.8	113.1	100	1f	Qgud	Massive dolomitised argillaceous calcarenite with occ zones of core loss.	Minor zones of semi massive pyrite associated with more argillaceous zones. Thin dol veining <3mm 75°t c/A	12	108.5	110.9	
							13	110.9	113.1	
113.1	120.5	99	4f	Qgud	As before with increasing dol vein thickness (<1cm) More broken Core	Large Sphalerite bleb <2cm with galena @ 120.1m in dol vein Minor dissem sph in veins.	14	113.1	115.2	
							15	115.2	118.8	
							16	118.8	120.5	

ASSAY VALUES (Analysed by .....)

MAG SUS Depth	MAG SUS Value	Depth	Value	Rec (From)	Rec (To)	Rec (m)	Rec %
64.5	19	80.0	11	95.5	96.5	1.0	100
65.0	CL	80.5	12	96.5	97.4	0.9	100
65.5	11	81.0	6	97.4	98.0	0.6	100
66.0	10	81.5	10	98.0	98.3	0.3	100
66.5	15	82.0	11	98.3	99.5	1.2	100
67.0	15	82.5	9	99.5	101.0	1.5	100
67.5	14	83.0	9	101.0	102.5	1.5	100
68.0	11	83.5	5	102.5	104.1	1.6	100
68.5	14	84.0	10	104.1	105.6	1.5	100
69.0	12	84.5	4	105.6	106.7	1.0	90
69.5	10	85.0	10	106.7	107.6	0.6	67
70.0	12	85.5	11	107.6	108	0.4	100
70.5	8	86.0	9	108	108.5	0.2	40
71.0	4	86.5	10	108.5	109	0.5	100
71.5	6	87.0	9	109	109.8	0.7	87
72.0	15	87.5	9	109.8	110.9	1.1	100
72.5	16	88.0	5	110.9	112.3	1.4	100
73.0	6	88.5	5	112.3	113.1	0.8	100
73.5	7	89.0	9	113.1	114	0.8	88
74.0	11	89.5	5	114	114.2	0.6	50
74.5	25	90.0	6	114.2	118.8	0.6	36
75.0	8	90.5	2	118.8	119.6	0.3	38
75.5	7	91.0	5	119.6	120.5	0.9	100
76.0	15	91.5	1	120.5	121.4	0.9	100
76.5	7	92.0	5	121.4	121.8	0.4	25
77.0	5	92.5	0	121.8	122.4	0.6	100
78.5	11	93.0	0	122.4	123.2	0.8	100
78.0	8	93.5	CL	123.2	123.9	0.6	86
78.5	7	94.0	0	123.9	124.9	0.9	90
79.0	9	94.5	4	124.9	126.2	1.3	100
79.5	8	95.0	1	126.2	127	0.7	87

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C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 4 of 7

TENEMENT NAME ..... No. 4572

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES 366180E. 5357518N AZIMUTH 086° Mag DRILLERS DDTAS COMMENCED 22/12/96 DEPTH 237.1m HOLE No. DD96 DS100

RL COLLAR 148m INCLINATION 57° DRILL TYPE LY38(H) COMPLETED 26/13/96 CASING LEFT ..... DPO No(s) 82154

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by Mag SUS.) Depth	Value	Depth	Value	REC (From)	REC (To)	REC (m)	REC (%)
20.5	123.8	67	3f	Qgd	Relatively more competent dolomitised calcarenite with minor argillaceous zones	@121.3 zone of semi massive pyrite replacement with marcasite/ chalcopyrite. 10cm zone. (with v. minor sphalerite blebs)	5852117	120.5	123.2		96.5	0	111	4	127	128	0.7	70
											96.0	2	111.5	5	128	128.8	0.7	87
											96.5	4	112	5	128.8	129.4	0.3	50
											97.0	0	112.5	10	129.4	130.3	0.6	67
											97.5	10	113	9	130.3	131.3	.45	45
						Occ zones of diseem blebs of pyrite.					98.0	0	105	5	131.3	132.0	0.4	58
											98.5	6	114	5	132.0	132.8	0.5	63
											99.0	4	114.5	clc	132.8	133.6	0.5	63
23.8	129.4	82	3s	Qgd.	More argillaceous biodatic dolomitised calcarenite with variable bedding angles and qtz clastic grains (< 3mm). Locally coarsely biodastic dolomite localised shear zones Locally completely argillaceous	5-8% Pyrite in some argillaceous zones Rare Sphalerite veinlets <1mm + blebs Pyrite up to 10% in biodatic/clastic bands. Bedding perhaps 50-55° to c/A. Calcana/sphalerite seam @129.35 Occ strata bound disem pyrite. @ 130m bedding 70° to c/A.	18	128.2	126.2.		99.5	6	115	8	133.6	134.2	0.3	50
							19	126.2	128.8.		100.0	3	116.5	clc	134.2	134.9	0.5	70
											100.5	10	116	clc	134.9	136.1	0.2	17
											101	5	116.5	clc	136.1	137.0	0.25	70
											101.5	10	117	clc	137.0	138.0	0.4	40
											102	9	117.5	clc	138.0	139.1	0.4	37
											102.5	9	118	clc	139.1	139.9	0.5	63
											103	5	118.5	2	139.9	140.5	0.30	50
											103.5	8	119	clc	140.5	142.2	0.25	14
											104	9	119.5	5	142.2	143.2	0.7	70
29.4	142.2	40	3f	Qgsi	Argillite - dolomitised. (Black/dk grey) Occ shear zone and areas of poor recovery Cavity between 140.5 & 142.2	Bedding 70° to c/A. @132.6 clastic band (qtz grains with disem and semi massive pyrite for 5cm. Disem pyrite. Possible minor white sphalerite veinlets <1mm.	20	128.8	132.0		104.5	9	120	5	143.2	144.0	0.8	100
							21	132.0	134.2		105	6	120.5	0	144.0	144.9	0.4	44
							22	134.2	136.1		105.5	7	121	5	144.9	145.9	0.8	80
							23	136.1	139.1		106	5	121.5	clc	145.9	147.0	1.1	100
							24	139.1	142.2		106.5	9	122	5	147.0	149.2	1.2	100
											107	9	122.5	6	148.2	149.2	0.7	70
											107.5	5	123	4	149.2	149.9	0.7	100
											108	8	123.5	5	149.9	151.4	0.3	20
142.2	143.8	87	2f	Qgsi	Lt grey biodatic calcarenite with quartz clasts and possible voids.	Quartz and dolomite veining 5° to c/A and 80° to c/A. and 65° to c/A. Minor sphalerite blebs	25	142.2	143.2		108.5	8	124	9	151.4	152.6	1.0	83
							5852126	143.2	144.9		109	0	124.5	10	152.6	155.7	1.55	50
											109.5	0	125	8	155.7	156.9	0.8	67
											110	0	125.5	2	156.9	158.7	1.8	100
											110.5	4	126	0	158.7	160.5	1.5	81

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 5 of 7

TENEMENT NAME ..... No. 45/92

PLAN – MAP REFERENCE SUNNY CORNER 3096

CO-ORDINATES 366 180E 5357513N AZIMUTH 086° Mag. DRILLERS DOTAS COMMENCED 22/2/96 DEPTH 237.1m HOLE No. DS100

RL COLLAR 148m INCLINATION 57° DRILL TYPE LY38(H) COMPLETED 26/3/96 CASING LEFT ..... DPO No(s) 82154

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	ASSAY VALUES (Analysed by MAG SUS.) Depth	Value	Depth	Value	Depth	Value	REC From	REC To	REC m	REC %
43·8	161·7	70	3f	Ogsi	Dominantly argillaceous dolomitised limestone occ clastic beds - more likely a siltstone (black) from 151·4 - massive black siltstone, minor qtz clasts <2mm. Zone of qtz clasts 161 - 161·7m <2mm.	Bedding 35° to c/A @ 1449m. " 65° to c/A @ 1459m. Minor brick red blebs of sphalerite in dolomite veining. Disseminated blebs of pyrite. Bedding 75° to c/A @ 160·5m.	585127	144·9	147·0	126·5	5	142	C/L	157·5	10	160·5	162	1·5	100
							28	147·0	149·2	127	13	147·5	4	158	C/L	162	163·4	1·2	86
							29	149·2	151·8	127·5	C/L	143	6	158·5	5	163·4	164·2	0·6	75
							30	151·8	155·7	128	4	143·5	5	159	0	164·2	165·9	1·6	94
							31	155·7	158·7	128·5	2	144	7	159·5	C/L	165·9	167·4	1·5	100
							32	158·7	160·5	129	C/L	144·6	8	160	0	167·4	168·5	1·1	100
							33	160·5	162·0	129·5	1	145	5	160·5	2	168·5	170·1	1·6	100
										130	2	145·5	5	161	2	170·1	171·6	1·5	100
										130·5	C/L	146	4	161·5	4	171·6	173·2	1·6	100
										131·0	0	146·5	5	162	7	173·2	174·6	1·4	100
61·7	164·2	88	2f	Ogsi	Laminated black and grey siltstone unit. Upward fining cycles.	Bedding 70° to c/A. Thin layers of disseminated pyrite (? sleet form)	34	162·0	164·2	131·5	C/L	147	11	162·5	C/L	174·6	175·7	1·1	100
										132	0	147·5	5	163	5	175·7	177·0	1·3	100
										132·5	5	148	C/L	163·5	C/L	177	178·6	1·4	100
										133	5	148·5	5	164	5	178·6	180·0	1·4	100
64·2	170·4	97	1f	Ogdl	Dolomitised calcarenite with thin argillite bands and interstitial argillite - ? nodular effect. Brittle shear zone @ 167m.	Small scale semi-massive pyrite as ? cavity fill with dolomite at top of unit. Cleavage 25° to c/A @ 167m. Occ dolomite veining (+/- quartz) mainly irregular. Disseminated blebs and veinlets of pyrite.	35	164·2	165·9	133·5	6	149	C/L	164·5	5	180·0	182·3	2·3	100
							36	165·9	167·4	134	7	149·5	1	165	C/L	182·3	183·8	1·5	100
							37	167·4	168·5	134·5	4	150	C/L	165·5	6	183·8	185·4	1·6	100
							38	168·5	170·1	135	C/L	150·5	0	166	6	185·4	186·9	1·5	100
										135·5	C/L	151	7	166·5	0	186·9	188·5	1·6	100
										136	5	151·5	0	167	6	188·5	190·1	1·6	100
										136·5	C/L	152	C/L	167·5	7	190·1	191·2	0·9	81
										137	4	152·5	0	168	5	191·2	192·8	1·6	100
										137·5	5	153	C/L	168·5	9	192·8	194·5	1·7	100
70·4	201	98	1f	Ogdl	Syn-sedimentary breccias. dolomitised, sub-angular to sub rounded fragments <2cm often in a more argillaceous matrix. Possible soft sediment impaction seen in clasts. Occ burrowed ? zones. Zones of more uniform dolomitised calcarenite.	Pyrite blebs interstitial with the breccia fragments - locally. Minor irregular dolomite veining. Zones of pyrite dissems. matrix-fill, veinlets etc. Occ Sphalerite vein +/- galena, eg 197m, 200·3m. Pyrite up to 5% locally.	39	170·1	172·0	138	10	153·6	C/L	169	5	194·5	196·3	1·6	80
							40	172·0	174·6	138·5	C/L	154	2	169·5	11	196·3	197·9	1·6	100
							41	174·6	177·0	139	5	154·5	C/L	170	10	197·9	199·5	1·6	100
							42	177·0	180·0	139·5	11	155	0	170·5	10	199·5	201·0	1·5	100
							43	180·0	182·3	140	10	155·5	C/L	171	11	201·0	202·6	1·6	100
							44	182·3	185·4	140·5	16	156	C/L	171·5	10	202·6	204	1·4	100
							45	185·4	188·5	141	C/L	156·5	C/L	172	9	204	205·5	1·5	100
							46	188·5	191·2	141·5	C/L	157	4	172·5	9	205·5	207·0	1·5	100
							47	191·2	193·2										
							48	193·2	196·3										
							49	196·3	197·9										

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 6 of 7

TENEMENT NAME ..... No. 45/92

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES 366180E 5357513N AZIMUTH 086° Mag DRILLERS ODTAS COMMENCED 22/12/96 DEPTH 237.1m HOLE No. RD96DSC00

RL COLLAR 148m INCLINATION 57° DRILL TYPE LY38(H) COMPLETED 24/12/96 CASING LEFT ..... DPO No(s) 82154

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Mag Susceptibility Depth	Value	Depth	Value	Depth	Value	ASSAY VALUES (Analysed by .....) Recovery. Rec (From)	Rec (To)	Rec (m)	Rec %
201.0	203.2	98	1F	Ogd1	Uniform dolomitised grey		5852150	197.9	199.5	173	5	188.5	0	204	5	207	208.5	1.5	100
					calcarenite with v. minor		51	199.5	201.0	1735	0	189	0	2045	0	2085	209.3	0.8	100
					argillaceous content.		52	201.0	204.0	174	5	189.5	0	205	5	209.3	210.9	1.6	100
203.2	222.2	97	3F	Ogd1	Dolomitised calcarenite with	Shear zone @ 205.6m	53	204.0	207.0	1745	0	190	0	2055	13	210.9	212.4	1.5	100
					variable argillaceous content	in v. argillaceous material	54	207.0	208.5	175	5	190.5	0	206	5	212.4	214.0	1.6	100
					(10 - 75%), and numerous		55	208.5	210.9	1755	3	191	5	2065	5	214.0	215.4	1.4	100
					synsedimentary breccias	Significant pyrite occurrences	56	210.9	214.0	176	5	191.5	0	207	5	215.4	216.6	1.2	100
					sub angular - sub rounded	in association with dolomite	57	214.0	216.6	1765	5	192	0	2075	10	216.6	218.0	1.4	100
					<3cm fragments. Generally	/ quartz veins. Most	58	216.6	219.5	177	6	1925	0	208	5	218.0	219.5	1.5	100
					clasts are more argillaceous	abundant between 205+	59	219.5	222.4	1775	2	193	0	2085	2	219.5	221.1	1.5	100
					Also small syn-sed dislocations	208.5m.				178	5	1935	0	209	2	221.1	222.4	1.3	100
					of bedding in places.					1785	5	194	0	2095	0	222.4	223.1	0.7	47
222.2	224.8	50	5X	Ogf2	Zone of broken core typically	Fault zone	60	222.4	224.6	179	5	1945	0	210	6	223.9	224.6	0.4	57
					fractured angular dolomites	Extensive dolomitisation	61	224.6	227.5	1795	0	195	3	2105	2	224.6	227.5	1.2	41
					with crystalline nature.		62	227.5	230.3	180	0	1955	0	211	5	227.5	228.8	1.3	100
224.8	232.2	80	2F	Ogd1	Dolomitised grey calcarenites	Numerous calcite / dolomite				180.5	0	196	0	2115	CL	228.8	230.3	1.5	100
					Rare bioclasts + loss of	veinlets with pyrite aggregates				181	0	1965	0	212	5	230.3	231.7	1.4	100
					brecciation + increased	occurring locally + finely	63	2303	232.3	181.5	0	197	0	2125	0	231.7	232.3	0.5	83
					amount of veining.	disseminated pyrite				182	5	197.5	0	213	9	232.3	233.7	0.6	43
232.2	237.1	69	4X	Ogd1	Dolomitised grey calcarenites					182.5	0	198	0	2135	4	233.7	235.5	1.2	67
					with increasing argillaceous	(Possible Fault zone)	64	232.5	235.5	183	5	198.5	0	214	6	235.5	237.1	1.6	100
					content towards base. Core	Numerous dolomite + quartz	65	235.5	237.1	183.5	0	199	0	2145	8				
					is fairly broken up with	veins, with galena + minor				184	2	199.5	0	215	5				
					some shearing at 236m	sphalerite occurring @				184.5	0	200	0	2155	6				
					(Graphitic sheen on surfaces	235.7m.				185	8	2005	0	216	0				
					of fractures)					1855	5	201.0	0	2165	5				
										186	5	201.5	0	217	4				
										186.5	0	202	5	217.5	5				
										187	0	2025	2	218	2				
										187.5	0	203	0	2185	4				
										188	0	2035	8	219	5				

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C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 7 of 7

TENEMENT NAME ..... No. 45/97

PLAN – MAP REFERENCE SUNNY CORNER DD96

CO-ORDINATES 366180E 5357513N AZIMUTH 086° Mag DRILLERS DDTMS COMMENCED 22/2/96 DEPTH 237.1m HOLE No. DS100

RL COLLAR 148m INCLINATION 57° DRILL TYPE LY38 (H) COMPLETED 26/3/96 CASING LEFT ..... DPO No(s) 82154

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)
						COMPLETION OF MAG SUS DATA				

ASSAY VALUES (Analysed by .....)

MAG SUS Depth	Value	Depth	Value
219.5	4	235	9
220	11	235.5	5
220.5	9	236	6
221	4	236.5	c/L
221.5	3	237	c/L
222	6	237.5	0
222.5	c/L	238	c/L
223	5	238.5	0
223.5	c/L		
224	c/L		
224.5	5		
225	c/L		
225.5	c/L		
226	8		
226.5	c/L		
227	c/L		
227.5	5		
228	5		
228.5	4		
229	3		
229.5	9		
230	10		
230.5	8		
231	4		
231.5	10		
232	c/L		
232.5	2		
233	c/L		
233.5	0		
234	3		
234.5	c/L		

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