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DD83AR5 346082 BOREHOLE SURVEY LOG

DRILL HOLE N°: DD83AR5 LOCALITY: KEITH - ARTHUR RIVER MAGNESITE PROSPECT N.W. TAS. DATE COMMENCED: 3·11·83 DATE COMPLETED: 24·11·83

Survey Depth	Interval	Magnetic Azimuth	Chord Length	Dip	Grid Azimuth	Northing AMG	Easting AMG	Reduced Level	Camera	Core Size	Comments
COLLAR	—	—	—	—	—	5440163 m N	370073 m E		Eastman		
SETUP 0m	0 - 55m	288·5°	55·0m	-46°	300° AMG				single		
									shot.		
101·0m	55·0m - 156·2m	281°	101·2m	48°	292·5°						

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DD83AR5

346083

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

SHEET No. 1/3

TENEMENT NAME ARTHUR RIVER EL No. 431

PLAN – MAP REFERENCE

CO-ORDINATES ..... AZIMUTH 300° AMG ..... DRILLERS K. PARRY ..... COMMENCED 3.11.83 ..... DEPTH 156.2m ..... HOLE No. DD83A

RL COLLAR ..... INCLINATION 46° ..... DRILL TYPE BOYLES 37 ..... COMPLETED 24.11.83 ..... CASING LEFT NIL ..... DPO No(s) 30368

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)	ASSAY VALUES (Analysed by ZC RH) MgO	CaO	SiO_2	Al_2O_3	Fe_2O_3			LOI
					0 - 9.0m TRICONE	Buff/White/Grey	% Cryptocryst Magnesite												
			NQ		9.0m - 32.95m														
			"		Alluvium. Unconsolidated														
			"		sand, gravel and cobbles.														
			"			W	80%	1056721	32.95	38.0		43.45	2.43	3.17	<0.05	1.176			49.4
33.00	35.0	2.04	NQ		32.95m - 100.8m														
35.0	35.7	0.74			Spotted magnesite to fully sparry	B	90%	1056722	38.0	43.0		44.43	0.663	4.88	<0.05	1.067			48.[illegible]
35.7	38.0	0			magnesite.														
38.0	39.50	0.43				B	30%	1056723	43.0	48.0		37.43	4.31	11.30	<0.05	1.446			44.7
39.5	41.0	1.20																	
41.0	44.0	0.65				B	30%	1056724	48.0	53.0		32.78	9.48	13.47	<0.05	1.241			42.7
44.0	47.0	1.78																	
47.0	50.0	2.70				B	50%	1056725	53.0	59.0		33.42	10.21	9.82	<0.05	1.178			44.7
50.0	53.0	1.95																	
53.0	54.5	1.33				B	0	1056726	59.0	60.0		32.42	13.46	5.26	<0.05	1.695			46.[illegible]
54.5	56.00	1.45																	
56.00	59.0	2.97				B	30%	1056727	60.0	65.0		37.13	7.25	7.49	<0.05	1.842			46.[illegible]
59.0	60.0	1.00																	
60.0	62.0	1.97				B	20%	1056728	65.0	68.5		37.74	4.82	10.60	<0.05	1.627			44.[illegible]
62.0	63.8	1.66																	
63.8	64.8	0.82				W	10%	1056729	68.5	73.5		34.78	6.37	14.36	<0.05	1.593			42.1
64.8	65.6	0.96																	
65.6	68.0	1.99				G	5%	1056730	73.5	78.5		32.56	11.19	10.02	<0.05	1.708			44.21
68.0	71.0	3.09																	
71.0	74.0	3.02				G	5%	1056731	78.5	81.5		29.82	9.76	18.54	<0.05	1.375			40.4
74.0	77.0	3.09																	
77.0	80.0	2.97			Partially weathered	B	30%	1056732	81.5	87.7		33.42	7.10	14.90	<0.05	1.775			42.6
80.0	81.5	1.37																	
81.5	82.7	0.79			Partially weathered	B	70%	1056733	87.7	93.0		18.47	25.54	13.49	0.06	1.656			40.4
82.7	83.0	0.24																	

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DD83AR5

346084

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

SHEET No. 2 of 2
TENEMENT NAME ARTHUR RIVER EL No. 43/
PLAN – MAP REFERENCE

CO-ORDINATES ..... AZIMUTH 300° AMG ..... DRILLERS K. PARRY ..... COMMENCED 2.11.83 ..... DEPTH 156.2m ..... HOLE No. DD83A
RL COLLAR ..... INCLINATION 46° ..... DRILL TYPE BOYLES 37 ..... COMPLETED 24.11.83 ..... CASING LEFT Nil ..... DPO No(s) 30368

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)	ASSAY VALUES (Analysed by ZC, BM) MgO	CaO	SiO_2	Al_2O_3	Fe_2O_3			LOI
85.0	86.0	.55				Buff/White/Grey	% Cryptocryst. Magnesite												
86.0	87.6	1.58																	
87.6	88.0	.36																	
88.0	89.0	1.12				B	95%	1056734	93.0	98.0		22.60	19.50	16.04	<0.05	1.555			40.0
89.0	92.0	2.08																	
92.0	94.6	1.46				B	30%	1056735	98.0	100.8		24.46	18.14	14.59	0.054	1.268			41.0
94.6	95.0	.29																	
95.0	96.1	.95			100.8m – 106.1m	G	30%	1056736	100.8	106.1		23.43	20.83	11.94	0.078	1.581			41.5
96.1	97.6	1.58			Strongly recrystallized angular														
97.6	98.0	.37			magnesite breccia with dusting														
98.0	102.4	4.08			of fine pyrite on joints.														
102.4	104.0	1.44																	
104.0	106.1	1.33			106.1m – 119.3m	G	Sandy dolomite	1056737	106.1	111.0		19.52	26.99	8.97	0.219	1.859			41.2
106.1	107.0	.75			Weakly pyritic sandy														
107.0	107.9	.95			dolomite.	G	" "	1056738	111.0	116.0		21.37	25.41	8.06	0.202	1.278			41.5
107.9	108.1	2.54			Minor talc schist zones														
108.1	110.0	.27			between 117.1m – 117.2m	G	" "	1056739	116.0	119.3		24.44	19.13	15.54	0.210	1.161			38.8
110.0	111.6	1.45			and 116.8m – 116.9m														
111.6	113.0	1.68																	
113.0	113.6	.43			119.3m – 123.2m	Pale green slate – no sample		—	119.3	123.2									
113.6	115.0	1.48			Pale green slate														
115.0	116.0	.99				Grey	0%	1056740	123.2	126.3		20.03	27.42	5.74	0.424	2.44			40.0
116.0	118.1	2.08			123.2m – 126.3m														
118.1	119.0	.58			Sharny magnesite-dolomite mix														
119.0	119.4	.21			Fine dusting of pyrite throughout.														
119.4	121.6	2.25																	
121.6	122.0	1.11			126.3m – 130.0m	Pale green slate – no sample		—	126.3	130.0									
122.0	123.0	.98			Pale green slate														
123.0	124.3	1.50																	
124.3	126.0	1.66																	

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DD83AR5

346085

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

SHEET No. 2/3

TENEMENT NAME Arthur River EL No. 43/

PLAN – MAP REFERENCE

CO-ORDINATES ..... AZIMUTH 300° AMG ..... DRILLERS K. PARRY ..... COMMENCED 3·11·83 ..... DEPTH 156·2 m ..... HOLE No. DD83AR

RL COLLAR ..... INCLINATION 46° ..... DRILL TYPE Boyles 37 ..... COMPLETED 24·11·83 ..... CASING LEFT N/L ..... DPO No(s) 30368

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)	ASSAY VALUES (Analysed by Z.C.B.) MgO	CaO	SiO_2	Al_2O_3	Fe_2O_3			LOI
128·0	131·0	2·96				Buff/White/Grey	% Cryptocryst. Magnesite												
131·0	132·3	1·44																	
132·3	133·2	·86			130·0m – 142·9m														
133·2	134·0	·59			Sparry magnesite-dolomite mix.	G	10%	1056741	130·0	135·0		27·74	19·42	2·55	0·419	3·14			44·0
134·0	134·8	1·25			Fine pyrite dusting on joints.														
134·8	135·5	·71				Buff	60%	1056742	135·0	139·0		35·46	11·73	1·92	<0·05	2·30			47·99
135·5	135·7	·23																	
135·7	137·0	1·39				G	10%	1056743	139·0	142·9		33·11	14·46	2·24	<0·05	2·05			67·74
137·0	139·0	2·14			142·9m – 146·0m														
139·0	140·0	1·90			Angular magnesite	B	60%	1056744	142·9	146·0		34·17	13·54	2·39	<0·05	1·794			47·0
140·0	141·0	1·90			breccia. Gradational														
141·0	141·6	·70			boundaries with above and														
141·6	142·3	·89			below rock types.														
142·3	143·0	·72																	
143·0	143·4	·38			146·0m – 148·3m														
143·4	144·4	·88			Sandy dolomite with minor														
144·4	146·0	1·55			magnesite patches.	B	5%	1056745	146·0	148·3		23·03	26·96	<0·05	2·65	0·174			46·67
146·0	147·2	1·14																	
147·2	148·3	1·41			148·3m – 150·6m														
148·3	149·0	·85			Banded pyrite-carbonate														
149·0	150·2	1·58			rock.														
150·2	151·0	·82																	
151·0	152·0	·83			150·6m – 156·2m														
152·0	152·8	·85			Fault gouge.														
152·8	153·0	·06																	
153·0	155·6	1·19			E.O.H. at 156·2m														
155·6	156·2	1·90																	