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

SHEET No. 1

TENEMENT NAME PARATTAH No. EL 18/82

PLAN – MAP REFERENCE

CO-ORDINATES 536204.9mE 5320565.4mN AZIMUTH NA DRILLERS STACPOOLE COMMENCED 5.10.84 DEPTH TD 51.14m HOLE No. DD84 PT-19

RL COLLAR 365.70 INCLINATION -90° DRILL TYPE GEMCO DRIL COMPLETED 6.10.84 CASING LEFT PVC DPO No(s)

DEPTH From (m)	DEPTH To (m)	CORE RECOVERY m	CORE RECOVERY %	CORE SIZE	CORE DESCRIPTION	WEATH.	DEFECT SPACING	Sample No.	From (m)	To (m)	Rec (m)	ASSAY VALUES (Analysed by) RD	A	Composites RD	A	M	VM	S	SE
0	4.6	TRICONE ROLLER DRILLED																	
4.6	6.1	1.4	93	NQ	0-4.6: Alluvium, sandy (Quarternary)														
				"	4.6-5.72: Sandstone, lithic, ± mudstone 1B's	EW													
				"	5.72-6.25: Sandstone, lithic, fg	MW													
6.1	7.64	1.54	100	"	6.25-7.40: Sandstone, lithic, fg, minor laminae of grey	(SW													
				"	mudstone	(													
				"	7.40-7.72: Sandstone, lithic - quartz rich fg	SW													
				"	7.72-7.96: As above, but ?thermally metamorphosed	F													
				"	7.96-8.15: ? Basalt dyke - diffuse upper and lower	(													
				"	boundaries	(SW													
7.64	10.64	2.97	99	"	8.15-8.34: As for 7.72-7.96m	SW													
				"	8.34-8.50: Mudstone, silty (? thermally altered)	SW						BOCO	~ 8.55m						
				"	8.50-9.84: Sandstone, lithic, minor carbon. laminae, f-mg	F													
10.64	13.64	3.0	100	"	9.84-10.70: Mudstone, grey, siltstone 1B's														
				"	10.70-13.16: 1B grey mudstone/siltstone/quartz sandstone														
				"	(fg), mudstone carbon. from 12.6 →														
				"	13.16-13.64: Siltstone, muddy, carbonaceous														
				"	13.64-14.20: Sandstone, lithic - quartz rich mg														
				"	abundant carbon. laminae, minor grey mudstone														
13.64	16.64	3.0	100	"	14.20-15.40: Sandstone, lithic, mg, with abundant														
					carbonaceous laminae														
				"	15.40-16.92: Sandstone, lithic - quartz rich f to mg,														
				"	abundant carbonaceous laminae (± coaly fragments)														
				"	16.92-17.35: 1B grey mudstone/quartz sandstone (mg)														
				"	17.36-17.57: Siltstone, muddy, carbonaceous														
				"	17.57-18.60: Sandstone, quartz, mg, minor feldspar &														
16.64	19.64	3.0	100	"	opaques, + ghosted carbon. wisps (?disrupted laminae),														
				"	v. minor coaly fragments.														
				"	18.60-20.00: Sandstone, quartz, mg, increased content of														
				"	carbonaceous wisps/laminae.														

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

SHEET No. 2

TENEMENT NAME PARATTAH No. EL 18/82

PLAN – MAP REFERENCE

CO-ORDINATES ... AZIMUTH NA ... DRILLERS STACPOOLE ... COMMENCED 5.10.84 ... DEPTH TD 51.14m ... HOLE No. DD84 PT-19

RL COLLAR ... INCLINATION -90° ... DRILL TYPE GEMCO DRIL ... COMPLETED 6.10.84 ... CASING LEFT PVC ... DPO No(s)

DEPTH From (m)	DEPTH To (m)	CORE RECOVERY m	CORE RECOVERY %	CORE SIZE	CORE DESCRIPTION	WEATH.	DEFECT SPACING	Sample No.	From (m)	To (m)	Rec (m)	ASSAY VALUES (Analysed by) RD	A	Composites RD	A	M	VM	S	SE
				NQ	(network fabric) several 5mm wide coal fragments														
19.64	22.64	3.0	100	"	20.00-21.70: Sandstone, lithic - quartz rich f to mg,														
				"	v. minor coal (Bd) fragments with orange zeolite in cleats,														
				"	and at the contact with the underlying unit														
				"	21.70-22.10: Sandstone, quartz feldspar (mg)														
				"	22.10-23.70: Sandstone, lithic - quartz rich, fg numerous														
				"	bright coal fragments with calcite + orange zeolite;														
22.64	25.64	3.0	100	"	minor CPC, green reduction haloes														
				"	23.70-24.05: Sandstone, quartz, fg														
				"	24.05-24.50: Mudstone, grey, minor siltstone	△ 5	≃ 85/90°												
				"	24.50-24.78: Sandstone, quartz, f to mg disseminated														
				"	orange zeolite (< 0.5mm)														
				"	24.78-25.57: Mudstone, grey, minor coaly debris, orange														
25.64	28.64	2.95	98	"	zeolite clots														
				"	25.57-26.37: Sandstone, quartz, mg, minor mudstone/siltstone														
				"	1B's, orange zeolite clots														
				"	26.37-28.36: Mudstone grey, siltstone 1B's, minor quartz														
28.64	31.64	3.0	100	"	ss lenses with orange zeolite														
				"	28.36-31.67: Mudstone, grey/brown, laminated														
				"	31.67-33.15: Mudstone, carbonaceous, 1B with fg quartz														
				"	sandstone, minor orange zeolite in mudstone, but abundant														
				"	in sandstone, coal "balls" (< 5mm) in mudstone														
				"	33.15-33.75: Mudstone, grey, carbonaceous, 1B's minor coal														
				"	balls and quartz sandstone														
				"	33.75-34.25: Sandstone, quartz, fg, burrowed														
31.64	34.64	2.97	99	"	34.25-34.97: Mudstone/siltstone, carbonaceous 1B with														
				"	lenses of quartz sandstone, orange zeolite, in mudstone														
				"	+? cleats of coal balls (1-5mm), bright (? cindered)														
				"	coal 34.95-34.97m - also with orange zeolite														

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

TENEMENT NAME PARATTAH No. EL 18/82

PLAN – MAP REFERENCE

CO-ORDINATES AZIMUTH NA DRILLERS STACPOOLE COMMENCED 5.10.84 DEPTH TD 51.14m HOLE No. DD84 PT-19

RL COLLAR INCLINATION -90° DRILL TYPE GEMCO DRIL COMPLETED 6.10.84 CASING LEFT PVC DPO No(s)

DEPTH From (m)	DEPTH To (m)	CORE RECOVERY m	CORE RECOVERY %	CORE SIZE	CORE DESCRIPTION	WEATH.	DEFECT SPACING	Sample No.	From (m)	To (m)	Rec (m)	ASSAY VALUES (Analysed by) RD	A	Composites RD	A	M	VM	S	SE
				NQ	34.97-36.54: Mudstone, grey, minor siltstone														
34.64	37.64	3.0	100	"	36.54-37.20: 1B mudstone/siltstone/quartz ss														
				"	37.20-37.80: Mudstone, grey														
37.64	40.64	2.98	99	"	37.80-39.30: 1B mudstone/quartz sandstones														
				"	39.30-41.10: Sandstone, quartz feldspathic, mg														
40.64	43.64	3.0	100	"	41.10-41.85: Mudstone, grey to dark grey														
				"	41.85-43.25: 1B mudstone/grey + carbonaceous with quartz														
				"	sandstone (mg)														
43.64	46.64	2.85	95	"	43.25-45.50: Sandstone, quartz-carbonaceous (fg)														
				"	45.50-51.14: Sandstone, quartz, carbonaceous	△	So @ 47m	≃ 80°											
46.84	49.64	3.0	100	"	- sparkling quartz ss with some carbonaceous mudstone														
				"	bands, - mostly carbonaceous staining of the	△	So @ 50.5m	≃ 45° (but cross bedding)											
49.64	51.14	1.5	100	"	sandstone														
					EOH - 51.14m														