

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

TENEMENT NAME..... PARATTAH..... No. EL 18/82..

PLAN - MAP REFERENCE.....

CO-ORDINATES \approx 525 450 E 5305 600N AZIMUTH..... NA DRILLERS..... OVERLAND COMMENCED..... 6.9.84..... DEPTH..... TD 39.2m..... HOLE No. DD84 PT-09

RL COLLAR \approx 410m ASL INCLINATION..... -90° DRILL TYPE..... WARMAN 500..... COMPLETED..... 6.9.84..... CASING LEFT..... DPO No(s).....

DEPTH		CORE RECOVERY		CORE SIZE	CORE DESCRIPTION	WEATH.	DEFECT SPACING	Sample No.	From (m)	To (m)	Rec (m)	ASSAY VALUES (Analysed by ACIRL)								
From (m)	To (m)	m	%									RD	A	RD	A	M	VM	S	SE	FC
0	8.8	PRECOLLAR			0-7.8: Quarternary scree deposit	NA														
8.8	9.0	0.1	50	NQ	7.8-10.15: Sandstone, lithic, m-cg, dirty with carbonaceous)															
9.0	9.9	0.9	100		matrix	SW/F														
				"	10.15-10.45: Coal, dull, \approx 1% B (Dmb), broken, Fe oxide cleats	SW		27	10.15	10.45	0.30	1.80	40.9	Samples 27-30 inclusive =						
				"	10.45-10.55: Mudstone, carbonaceous, buff, claystone	SW/F		28			0.10	2.44	86.8	2.10	66.7	4.6	5.7	0.10	8.16	23.0
9.9	10.6	0.7	100	"	10.55-10.60: Mudstone, carbonaceous, \pm heavy dull coal			29			0.05	2.48	90.7	Sample 27 =						
				"	10.60-10.71: Mudstone, carbonaceous, \pm heavy dull coal			30	10.60	10.71	0.11	2.46	88.6	1.80	40.9	5.3	6.3	0.19	17.58	47.5
				"	10.71-11.15: Mudstone, grey															
10.6	12.2	1.6	100	"	11.15-11.55: Siltstone, carbonaceous, debris															
				"	11.55-12.02: Mudstone, grey							BOCO	\approx 10.5m							
				"	12.02-12.85: Siltstone, variably laminated with															
12.2	13.3	1.1	100	"	carbonaceous mudstone and coal															
				"	12.85-13.27: Mudstone, grey															
13.3	13.5	0.2	100	"	13.27-13.57: Mudstone, carbonaceous, with coal (20%B)															
				"	plies 10-40mm thick															
	13.7	0.2	100	"	13.57-13.65: Mudstone, grey															
				"	13.65-14.20: Siltstone, carbonaceous, minor brecciation															
				"	14.20-14.50: Mudstone, carbonaceous, & dark grey															
13.7	14.8	1.1	100	"	14.50-14.58: Mudstone, carbonaceous \pm heavy dull coal			31	14.50	14.58	0.08	2.47	88.3	Samples 31-34 inclusive =						
				"	14.58-14.65: Mudstone, carbonaceous \pm heavy dull coal			32	14.58	14.65	0.07	2.29	73.3	2.10	60.0	5.7	5.3	0.15	10.24	29.0
14.8	15.3	0.3	60	"	14.65-15.30: Coal, heavy dull including \leq 3% B (Dmb), broken (- see core loss)			33	14.65	14.80	0.15	2.07	56.9							
15.3	15.6	0.3	100	"	15.30-16.50: Mudstone, carbonaceous, & dark grey			34	14.80	15.30	0.50	2.02	53.1							
15.6	15.9	0.3	100	"	16.50-16.65: Interbedded carbonaceous mudstone & heavy															
15.9	16.5	0.6	100	"	dull coal															
16.5	17.5	1.0	100	"	16.65-17.80: Mudstone, carbonaceous & dark grey															
17.5	18.6	1.1	100	"	17.80-20.40: Siltstone, minor interbeds of grey mudstone															
18.6	21.3	2.7	100	"	20.40-25.20: Sandstone, lithic, m-cg, variably carbonaceous															
21.3	24.3	2.95	98	"	25.20-25.50: Mudstone, carbonaceous, interbedded with cg carbonaceous lithic sandstone															

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

TENEMENT NAME..... No.

PLAN - MAP REFERENCE.....

DEPTH..... HOLE No. DD84 PT-09

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED.....

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED.....

CASING LEFT..... DPO No(s).....

ASSAY VALUES (Analysed byACIRL.....)

DEPTH		CORE RECOVERY		CORE SIZE	CORE DESCRIPTION	WEATH.	DEFECT SPACING	Sample No.	From (m)	To (m)	Rec (m)	Composites								
From (m)	To (m)	m	%									RD	A	RD	A	M	VM	S	SE	FC
				NQ	25.50-25.90: Interbedded grey mudstone & tuff tuffaceous siltstone (cream and pale green ?chloritic)															
				"	25.90-28.57: Sandstone, lithic, m-cg, minor carbonaceous															
24.3	27.3	2.9	97	"	mudstone interbeds 26.25-26.35, 26.65-26.70															
28.8	29.8	2.5	100	"	28.57-30.45: Mudstone, grey, fissite, very minor thin coal															
28.8	32.95	3.05	97	"	plies 2.3mm thick															
32.95	34.40	1.45	100	"	30.45-34.50: Interbedded siltstone and fg lithic sandstone carbonaceous laminae (? flasers) throughout															
34.40	35.5	0.35	32	"	34.50-35.50: Major core loss - approx. 0.25m of coal, and approx. 0.10m of carbonaceous mudstone recovered			35	34.50	?35.2	*	2.41	84.8							
35.5	35.8	0.3	100	"	35.50-35.53: Mudstone, carbonaceous			36	?35.20	35.53	*	2.38	83.5							
35.8	36.1	0.2	66	"	35.53-36.10: Shale, carbonaceous ± heavy dull coal			37	35.53	36.10	0.57	2.23	71.7	Samples 35-39 inclusive =						
36.1	36.4	0.1	33	"	36.10-36.40: ? Interbedded coal and carbonaceous mudstone - sample recovered consists of carbonaceous mudstone matrix with coal fragments embedded (major core loss)			38	36.10	36.40	0.30	2.02	58.1	2.27	75.7	5.8	4.4	0.09	4.20	14.1
36.4	37.2	0.5	62	"	36.40- - 36.60: Coal and carbonaceous mudstone extremely broken and contaminated sample, floor consists of carbonaceous siltstone/fg quartzose sandstone			39	36.40	? 36.60	≈0.20	2.07	63.6							
37.2	37.4	0.2	100	"	36.60-36.80: Siltstone, carbonaceous															
37.4	38.4	1.0	100	"	36.80-39.20: Sandstone, lithic, f-mg, dirty with carbonaceous matrix															
38.4	39.2	0.8	100	"																
					EOH - 39.20m															

* Major core loss precludes accurate estimation of in situ depths - the 35.2m value is only an estimate based on the recovered material, but may be meaningless. Similarly, analyses of samples 38 and 39 may not be true indications of the in situ coal, mudstone, etc.