

MERRYWOOD COAL COMPANY PTY. LTD.

DRILLING LOG SHEET.

TENEMENT: CL 14/91	LOCATION / SITE: DDH RG-1	SAMPLE TYPE: DRILL CORE NA	SAMPLED BY: KM (DATE) 30-7-94	COAL SECTION: 18.02 - 19.68
PROJECT: ROYAL GEORGE			LOGGED BY: KM (DATE) 9-3-94	

SAMPLE No.	DESCRIPTION.	INTERVAL (m.)	DESCRIPTION.
0.0 - 1.0	ROAD GRAVEL / SCREE TALUS - mixed fresh weathered dol. decomp. SST.		Open Hole - Blade Bit
1.0 - 6.5	SANDSTONE: brown-yell. med. lithic SST. oxid. decomp.		0.0 - 9.6
6.5 - 9.6	MUDSTONE: grey > carb. minor dull coal soft weathered clayey		
9.60 - 9.85	MUDSTONE: interlaminated grey > carb. soft wavy carb. lamin.		Casing 0.0 - 6.0
9.85 - 9.90	COAL - dull heavy, grading down to carb. mudst.		
9.90 - 10.07	CARB. MUDSTONE: grading down to grey laminated mudst.		Base Oxidation 7.5
10.07 - 11.43	MUDSTONE: grey clayey soft weathered carb. laminations partings.		
11.43 - 11.68	COAL: dull, dirty heavy, broken		
11.68 - 12.30	MUDSTONE: grey laminated - finely bedded (silty in part) fresh.		
12.30 - 13.42	SANDSTONE: grey f. lithic SST in fining up cycles of ~40cm: f. SST - sst. - mudst. tops.		
13.42 - 15.00	MUDSTONE / CARB. MUDSTONE: interbanded gradational - abrupt (non erosional) contacts abund. coaly lamin. plant frags, ? fault cut 13.60, slicks. on carb. partings.		
15.00 - 15.35	MUDSTONE - grey laminated, uniform, minor coaly plant frags.		
15.35 - 15.65	SANDSTONE - grey f. lithic grading to silty f. SST. coaly flasers.		
15.65 - 17.00	SANDSTONE - grey lithic, f-up cycles f. SST, sst. minor mudst. tops		
17.00 - 18.02	MUDSTONE - grey, clayey laminated, soft slump structures, minor silty beds.		
18.02 - 18.70	COAL - dull, medium density, uniform, 1cm pyritic dirt band near top, consistent white calcite (1-3%) in sub-vertical fractures, cleats bottom 10cm, broken with core loss.		core loss
18.70 - 18.84	CARB. MUDSTONE - heavy clayey.		core loss
18.84 - 18.87	CLAYSTONE / ? TUFF - beige, indurated, hard speckled texture dirt band		core loss
18.87 - 18.91	CARB. MUDSTONE - a/a with abrupt top contact.		
18.91 - 19.02	COAL - dull, medium density, uniform		
19.02 - 19.18	COAL D60% to 40% dem. light coal, minor calcite on cleats		
19.18 - 19.205	CLAYSTONE: beige clayey dirt band, abrupt contacts.		
19.205 - 19.22	CARB. MUDSTONE heavy, clayey, abrupt top contact		
19.22 - 19.28	COAL - Dmb, minor calcite in cleats		

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TENEMENT: <i>EL 19/91</i>	LOCATION / SITE: <i>DDH RG-1</i>	SAMPLE TYPE:	SAMPLED BY : (DATE)	COAL SECTIONS
PROJECT: <i>Royal George</i>			LOGGED BY : (DATE)	

SAMPLE No.	DESCRIPTION.	INTERVAL (m.)	DESCRIPTION.
<i>19.28-19.32</i>	<i>MUDSTONE - grey carb. interlam. dirt band</i>		
<i>19.32-19.50</i>	<i>COAL - 50/50 D/b, abundant calcite in fractures, cleats, uniform coal</i>		<i>Core loss</i>
<i>19.50-19.68</i>	<i>COAL - dull, medium density, low calcite, badly broken, 1cm dirt band at base.</i>		<i>Core loss</i>
<i>19.68-20.10</i>	<i>MUDSTONE - grey, clayey, uniform</i>		
<i>20.10-20.76</i>	<i>SANDSTONE - grey, lithic sst in f-up cycles - med sst - f.sst. - redst.</i>		
<i>20.76-20.97</i>	<i>MUDSTONE - grey, clayey, silty, laminated, uniform</i>		
<i>20.97-21.10</i>	<i>MUDSTONE - Carb./grey interlam. with undulose laminae.</i>		
<i>21.10-21.15</i>	<i>COAL - Dmb, abund. calcite at top, grading to very heavy dull coal at base</i>		
<i>21.15-21.20</i>	<i>MUDSTONE - interlam. grey/carb. with gradational top contact.</i>		
<i>21.20-21.70</i>	<i>MUDSTONE/SANDSTONE - f-up cycles of f. lithic sst, s/st, grey redst.</i>		
	<i>E.O.H.</i>		