

## MERRYWOOD COAL COMPANY PTY. LTD.

## DRILLING LOG SHEET.

|                       |                              |                                  |  |  |
|-----------------------|------------------------------|----------------------------------|--|--|
| TENEMENT: EL 19/91    | LOCATION / SITE:<br>DDH RG-3 | SAMPLE TYPE:<br>DRILL CORE<br>NQ | DATE: 30-3-94<br>LOGGED BY: KM<br>(DATE) 29-3-94 | COAL SECTIONS:<br>10.16-10.45<br>14.74-14.91<br>15.57-16.15<br>22.55-24.77 |
| PROJECT: ROYAL GEORGE |                              |                                  |  |  |

| SAMPLE No.  | DESCRIPTION.   | INTERVAL (m) | DESCRIPTION.                       |
|-------------|--|--------------|------------------------------------|
| 00-5.00     | SCREE mixed soil, regolith of Dol. oxid. SST, partly decomposed  |              |                                    |
| 5.00-9.40   | SANDSTONE brown/yell. decomposed med. lithic SST   |              | 00-9.40 Open Hole - Blade          |
| 9.40-10.06  | SANDSTONE brown, massive, fining-up sequence, med-coarse, minor fine at top, minor 1cm mudst. pebbles, abrupt basal contact. |              | Casing 0-6m<br>BASE OXIDATION 9.0m |
| 10.06-10.07 | CLAYSTONE beige, indurated clayey band.  |              |                                    |
| 10.07-10.16 | CARB. MUDSTONE dense, clayey, top to coal seam.  |              |                                    |
| 10.16-10.45 | COAL Dmb, with increase bright coal at base (50% bright in basal 5cm).   |              |                                    |
| 10.45-13.58 | MUDSTONE grey, clayey with minor silt, laminated, minor coaly, carb. laminations   |              | minor core loss in mudst.          |
| 13.58-13.67 | CARB. MUDSTONE heavy, clayey, non erosional contacts   |              |                                    |
| 13.67-14.20 | MUDSTONE grey, with minor silty bands, coaly laminations, plant frags.   |              | core loss                          |
| 14.20-14.30 | CARB. MUDSTONE / MUDSTONE interbedded  |              |                                    |
| 14.30-14.74 | MUDSTONE grey, clayey, laminated, minor coaly wisps, laminations   |              |                                    |
| 14.74-14.80 | COAL dull, low density uniform   |              |                                    |
| 14.80-14.83 | CARB. MUDSTONE dirt band   |              |                                    |
| 14.83-14.91 | COAL Dmb medium density grading down to carb. mudst.   |              |                                    |
| 14.91-14.95 | CARB. MUDSTONE grading down to grey mudst  |              | core loss at contact               |
| 14.95-15.53 | MUDSTONE grey, clayey, broken  |              | core loss                          |
| 15.53-15.57 | CARB. MUDSTONE interbedded with grey mudst. broken core? fault   |              | core loss                          |
| 15.57-16.15 | COAL dull, med. density grading down to Dmb, low density coal towards base   |              |                                    |
| 16.15-16.33 | MUDSTONE grey, common plant fossil frags on laminations, broken core on laminae partings, fractures.                         |              | major core loss                    |
| 16.33-16.36 | CARB. MUDSTONE / MUDSTONE interbedded carb. top to coal seam, common carbonate replacement.                                  |              | minor core loss                    |
| 16.36-16.41 | COAL 50/50 D/b 5cm ply.  |              |                                    |
| 16.41-21.10 | SANDSTONE grey, massive lithic SST, mainly fine, fining-up cycles from med. SST to siltst.                                   |              |                                    |
| 21.10-22.55 | MUDSTONE massive grey, clayey, laminated, minor high angle fracture with slickensides, minor carb. laminae.                  |              |                                    |

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|                                 |                                     |              |                        |                |
|---------------------------------|-------------------------------------|--------------|------------------------|----------------|
| TENEMENT: <i>E.L. 19/91</i>     | LOCATION / SITE:<br><i>DDH RG-3</i> | SAMPLE TYPE: | SAMPLED BY :<br>(DATE) | COAL SECTIONS: |
| PROJECT:<br><i>ROYAL GEORGE</i> |                                     |              | LOGGED BY :<br>(DATE)  |                |

| SAMPLE No.         | DESCRIPTION.  | INTERVAL<br>(m.) | DESCRIPTION. |
|--------------------|---|------------------|--------------|
| <i>22.55-23.58</i> | <i>COAL Dmb uniform 0.5-2cm bright bands. Common cleats with calcite more abundant in bright coal.</i>    |                  |              |
| <i>23.58-23.60</i> | <i>CLAYSTONE beige-white, carbonate clayst. dirt band</i>   |                  |              |
| <i>23.60-23.69</i> | <i>COAL Dmb uniform med. density</i>  |                  |              |
| <i>23.69-23.71</i> | <i>CLAYSTONE white-beige, carbonate nodules dirt band</i>   |                  |              |
| <i>23.71-24.55</i> | <i>COAL Dmb dense coal especially at top 10cm free of dirt bands. calcite cleat fill in bright bands.</i> |                  |              |
| <i>24.55-24.58</i> | <i>CLAYSTONE - grey-beige indurated dirt band, slickensides on basal contact.</i>                         |                  |              |
| <i>24.58-24.64</i> | <i>COAL 50/50 D/b A/A medium density</i>  |                  |              |
| <i>24.64-24.66</i> | <i>MUDSTONE grey, clayey, laminated dirt band</i>   |                  |              |
| <i>24.66-24.72</i> | <i>COAL 50/50 D/b calcite in cleats, medium density</i>   |                  |              |
| <i>24.72-24.73</i> | <i>MUDSTONE grey, clayey dirt band</i>  |                  |              |
| <i>24.73-24.77</i> | <i>COAL 50/50 D/b common calcite in cleats - base coal</i>  |                  |              |
| <i>24.77-25.81</i> | <i>MUDSTONE grey, uniform partly indurated fracture at 45° to core</i>                                    |                  |              |
| <i>25.81-25.89</i> | <i>COAL, dull, light, paper coal, partings grading down to carb. mudst.</i>                               |                  |              |
| <i>25.89-25.97</i> | <i>CARB. MUDSTONE heavy, clayey</i>   |                  |              |
| <i>25.97-26.95</i> | <i>SANDSTONE/MUDSTONE grey, fining-up cycles of fine lithic sst / sst / mudst.</i>                        |                  |              |
| <i>26.95-28.19</i> | <i>MUDSTONE grey mudst. A/A, fractures 45° to core, slicks. in carb. zones</i>                            |                  |              |
| <i>28.19-28.68</i> | <i>SANDSTONE grey, massive f-med. lithic sst.</i>   |                  |              |
| <i>28.68-28.83</i> | <i>MUDSTONE grey &gt; carb. indurated, dense, ? carbonate replacement, abundant coaly flasers.</i>        |                  |              |
| <i>28.83-28.96</i> | <i>COAL Dmb 5mm dirt bands common, grades to carb. mudst. at base.</i>                                    |                  |              |
| <i>28.96-29.99</i> | <i>CARB. MUDSTONE hard, indurated laminated</i>   |                  |              |
| <i>29.99-30.40</i> | <i>SANDSTONE grey, fining up cycles: f. sst / sst / mudst (minor)</i>                                     |                  |              |
|                    | <i>E.D.H.</i>   |                  |              |