

3.2 Mudlogging and Formation Sampling

Mudlogging services comprising full mudlogging, drill data acquisition and pore pressure monitoring were provided on a twenty four hour basis by Halliburton SDL (Geodata) utilising a crew consisting of a data engineer and mud logging geologist. During the 216mm hole (8½") interval sample catchers were utilised.

Cuttings were caught from 405m (first returns) to 1200m at 10m intervals and from 1200m to TD at 3m intervals. While drilling the Torquay Group representative samples were collected at the pipe deck level shakers equipped with 40 to 60 mesh screens which allowed all but granules through. From the Demons Bluff Formation to TD representative samples were obtained from the three lower deck shakers equipped with 110 to 170 mesh screens which retained very fine grains and coarser. Full lithological sample descriptions are given in Appendix 1.

The following cutting samples, as detailed in Appendix 8, were collected:

- 1 Washed and air dried from 405m (first returns) to TD
- 2 Unwashed 30m composite from 405m (first returns) to TD
- 3 Washed sand samples (fission track analysis) composited over 30m intervals at approximately 200m intervals over the EVCN interval.

The following data was generated by Halliburton SDL:

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|---|--------------------------------|--------|
| 1 | Formation Evaluation (mud log) | 1:500 |
| 2 | Gas Ratio Log | 1:500 |
| 3 | Pressure Log | 1:2500 |
| 4 | End of Well Report | |

3.3 Drillstem Tests

No drillstem tests were performed in King 1.

3.4 Conventional Cores

All cores were cut using a 216 x 102mm (8½" x 4") CD 93 core bit and 18m of fibre glass inner barrels equipped with extended shoes to maximise recovery in poorly consolidated formations. Upon recovery the inner barrels were cut into 1m lengths and chips were taken from each cut for field description. The 1m lengths were subsequently capped and packaged into wooden boxes for transport by helicopter and scheduled aircraft to Amdel (Adelaide) for preliminary core analysis.

Core drill depths as measured are some 2.5m higher than electric loggers depths for Cores 1 and 2 and some 3.5m higher for Cores 3 and 4. (L) refers to loggers depth.

Core 1 1397m-1402m (1399.3-1404.3m (L)). Cut 5m, recovered 3.5m (70%). Core point was selected after circulating up an ROP increase from 12 to 15 m/hr to 18 to 30 m/hr over the previous 3m interval. The associated sand and siltstone was predominantly fine grained with 80% to 100% patchy to spotty dull yellow white fluorescence and gave a 14 unit gas peak over a background of 2-3 units. After cutting 5m the core jammed off.