

REPORT TC14-01

THIASS COAL SYSTEM

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LAUNCESTON.

GEOLOGICAL LOG REPORT

ATP EL2080
LAUNCESTON

TENEMENT 2080

EL2080 LAUNCESTON. R0030

| | |
|---|--|
| Eastings: 500760.000 | Lossing Organisation: CSR Exploration and Evaluation Group |
| Northings: 5409790.000 | Loded By: ELLIS |
| Grid Type: Australian Mappings Grid | Drilling Contractor: H.J. Stacpoole |
| Accuracy: Approximate | Geophysical Lossing: Murdoch Geophysics |
| Cr1: 137.00 | |
| Datum: Approximate Level - Not Surveyed | |
| Sheet Reference: | County: |
| Sheet Index: | Parish: |
| Total Depth: 83.00 | Portion: |
| Drilling Commenced: 23/11/81 | |
| Drilling Completed: 23/11/81 | |
| Inclination: | Plus Depths: |
| Azimuth: | Hole Diameter: 150 |
| Standings Water Level: 13.4 | Core Diameter: |
| | Cased Depths: |
| | Core Barrel: |
| Available Data: Gamma Loss | |
| Density Loss | Drill Bits: Blades |
| Resistivity Loss | |
| Caliper Loss | |

ALL ROCKS ARE FRESH UNLESS OTHERWISE INDICATED

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| STRAT NAME | SEQ NO. | SEAM NAME | WORK SECT | SAMPLE NUMBER | DEPTH (m) | THICK (m) | ROCK TYPE | GEOLOGICAL DESCRIPTION OF STRATA |
|---------------|------------|--------------|--------------|------------------|--------------|--------------|-----------|---|
| TE | | | | | 0.50 | 0.50 | SAND | Silty, medium to dark brown, medium dense, non-plastic, fine and medium grained; COALLY FRAGMENTS COMMON-FROM SPOILS * DUMP |
| TE | | | | | 2.50 | 2.00 | CLAY | Light to medium buff - yellow, firm, low plasticity (clay); |
| TE | | | | | 3.20 | 0.70 | CLAY | Mottled buff - yellow, firm, high plasticity (clay); gradational base; Additional features include: grey - pink; WITH A TRACE OF MEDIUM SAND, QUARTZ |
| TE | | | | | 3.70 | 0.50 | CLAY | Mottled off white - yellow, firm, low plasticity (clay); WITH A TRACE OF MEDIUM SAND, QUARTZ |
| TE | | | | | 4.00 | 0.30 | CLAY | Sandy, quartzose, mottled off white - yellow, firm, low plasticity (clay); Additional features include: orange; WITH SOME GRAVEL |
| TE | | | | | 4.60 | 0.60 | GRAVEL | Quartzose, clayey, mottled off white - orange, medium dense, non-plastic; abundant iron oxide; secondary; staining; WITH SOME MEDIUM GRAVEL |
| TE | | | | | 5.40 | 0.90 | SILT | Sandy, clayey, mottled orange - off white, medium dense, non-plastic; abundant iron oxide; secondary; staining. |
| TE | | | | | 6.50 | 1.10 | CLAY | Sandy, mottled orange - pink, firm, low plasticity (clay); Additional features include: brown - off white. |
| TE | | | | | 9.40 | 2.90 | SILT | Sandy, clayey, mottled orange - off white, medium dense, non-plastic; gradational base; Additional features include: gravelly. |
| TE | | | | | 11.30 | 1.90 | CLAY | Silty, sandy, mottled orange - off white, soft, non-plastic. |

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LAUNCESTON

| STRAT NAME | SEQ NO. | SEAM NAME | WORK SECT | SAMPLE NUMBER | DEPTH (m) | THICK (m) | ROCK TYPE | GEOLOGICAL DESCRIPTION OF STRATA |
|---------------|------------|--------------|--------------|------------------|--------------|--------------|-----------|--|
| | | | | | 11.50 | 0.20 | SILCRETE | Translucent, medium to dark green, high strength, brittle. |
| | | | | | 15.50 | 4.00 | SILT | Sandy, clayey, light to medium buff - orange, medium dense, non-plastic; WITH SOME GRAVEL |
| | | | | | 19.30 | 3.80 | CLAY | Silty, sandy, mottled orange - yellow, firm, low plasticity (clay); Additional features include: pink - off white. |
| | | | | | 25.60 | 6.30 | SILT | Clayey, sandy, mottled orange - yellow, firm, low plasticity (silt); Additional features include: pink - off white; BASE OF WEATHERING |
| | | | | | 39.10 | 13.50 | SAND | Silty, clayey, light to medium grey, medium dense, non-plastic, fine grained, poorly sorted, angular, abundant coaly fragments; Additional features include: feldspathic, quartzose, rounded. |
| | | | | | 40.00 | 0.90 | COAL | Dark black, low strength, brittle. |
| | | | | | 55.00 | 15.00 | SAND | Silty, clayey, light to medium grey, soft, non-plastic, fine and medium grained, common coaly fragments; Additional features include: feldspathic, quartzose. |
| | | | | | 59.50 | 4.50 | SILT | Clayey, light to medium grey, soft, low plasticity (silt), common coaly fragments; Additional features include: feldspathic, quartzose. |
| | | | | | 63.10 | 3.60 | SAND | Silty, clayey, light to medium grey, soft, non-plastic; Additional features include: feldspathic, quartzose. |
| | | | | | 67.40 | 4.30 | CLAY | Sandy, silty, light to medium grey, soft, low plasticity (clay); Additional features include: kaolinitic. |
| | | | | | 71.60 | 4.20 | SAND | Silty, clayey, light to medium grey, soft, non-plastic. |
| | | | | | 72.75 | 1.15 | COAL | Dark black, low strength, brittle. |

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| STRAT NAME | SEQ NO. | SEAM NAME | WORK SECT | SAMPLE NUMBER | DEPTH (m) | THICK (m) | ROCK TYPE | GEOLOGICAL DESCRIPTION OF STRATA |
|---------------|------------|--------------|--------------|------------------|--------------|--------------|-----------|--|
| | | | | | 74.30 | 1.55 | SAND | Clayey, light to medium grey, soft, non-plastic, very fine grained. |
| | | | | | 74.70 | 0.40 | COAL | Dark black, low strength, brittle. |
| | | | | | 83.00 | 8.30 | SILTSTONE | Sandy, light to medium grey, low strength, brittle, very fine grained. |

 END OF BORE AT 83.00 m

EL2080 LAUNCESTON, R0030