

REPORT TC14-01

THIESS COAL SYSTEM

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LAUNCESTON.

GEOLOGICAL LOG REPORT

ATP EL2080 TENEMENT 2080
LAUNCESTON

| STRAT NAME | SEQ NO. | SEAM NAME | WORK SECT | SAMPLE NUMBER | DEPTH (m) | THICK (m) | ROCK TYPE | GEOLOGICAL DESCRIPTION OF STRATA |
|---------------|------------|--------------|--------------|------------------|--------------|--------------|------------------|---|
| TE | | | | | 14.80 | 0.60 | CLAY | Carbonaceous, light to medium brown - grey, soft, high plasticity (clay). |
| TE | | | | | 17.00 | 2.20 | INFERIOR LIGNITE | Dark black - brown, firm, friable; Bands include: LIGNEDUS CLAY, medium to dark brown, firm, low plasticity (organic); Bands include: CLAY, carbonaceous, light to medium brown - grey, soft, high plasticity (clay). |
| TE | | | | | 17.50 | 0.50 | LIGNEOUS CLAY | Medium to dark brown - grey, soft, high plasticity (organic); Bands include: INFERIOR LIGNITE, medium to dark black - brown, firm, friable. |
| TE | | | | | 19.30 | 1.80 | CLAY | Carbonaceous, medium to dark brown - grey, soft, high plasticity (clay). |
| TE | | | | | 23.70 | 4.40 | LIGNEDUS CLAY | Medium to dark brown, firm, high plasticity (organic), common ligneous wisps; Bands include: CLAY, carbonaceous, medium to dark brown - grey, soft, high plasticity (clay), common woody fragments; Bands include: INFERIOR LIGNITE, medium to dark brown, firm, friable. |
| TE | | | | | 33.50 | 9.80 | CLAY | Carbonaceous, medium to dark brown, soft, high plasticity (clay), common ligneous wisps; Additional features include: common woody fragments. |
| TE | | | | | 40.00 | 6.50 | CLAY | Light brown, soft, high plasticity (clay). |
| TE | | | | | 46.20 | 6.20 | CLAY | Sandy, quartzose, light grey - white, soft, low plasticity (clay); Bands include: SIDERITE, 00.10 m thick, base at 0044.20m, light brown, high strength, tough; Bands include: SIDERITE, 00.20 m thick, base at 0044.70m, light brown, low strength, brittle; |
| | | | | | | | | BIT BLOCKED AT 45.0 METRES. CLAYS ARE * |
| | | | | | | | | DISPERSIVE CAUSING CIRCULATING FLUID TO BECOME EXCESSIVELY THICK. MUD PIT * EMPTIED ADD WATER, SALT, CAUSTIC SODA * |
| TE | | | | | 47.60 | 1.40 | LIGNEDUS CLAY | Medium to dark brown, soft, high plasticity (organic); Bands include: LIGNITE, dark brown - black, firm, friable; Bands include: SIDERITE, 00.30 m thick, base at 0046.60m, light brown, low strength, brittle. |

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