

REPORT TC14-01
LAUNCESTON.

THIESS COAL SYSTEM
GEOLOGICAL LOG REPORT

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ATP EL2080 TENEMENT 2080
LAUNCESTON

EL2080 LAUNCESTON, R0027

Eastings: 535500.000
Northings: 5394800.000
Grid Type: Australian Mapping Grid
Accuracy: Approximate
Cr1: 170.00
Datum: Approximate Level - Not Surveyed
Sheet Reference:
Sheet Index:
Total Depth: 32.00
Drilling Commenced: 15/11/81
Drilling Completed: 15/11/81
Inclination:
Azimuth:
Standing Water Level: 4.0

Logging Organisation: CSR Exploration and Evaluation Group
Logged By: ELLIS
Drilling Contractor: W.J. Stockpole
Geophysical Logging: Murdoch Geophysics

County:
Parish:
Portion:

Plug Depths:
Hole Diameter: 120
Core Diameter:
Cased Depths:
Core Barrel:

Available Data: Gamma Loss
Density Loss
Resistivity Loss
Caliper Loss

Drill Bits: Rods
Rollers
Percussion

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					0.30	0.30	CLAY	Silty; sandy; light to medium orange - yellow; weathered; firm; low plasticity (clay).
TE					2.10	1.80	CLAY	Silty; gravelly; light to medium orange - yellow; weathered; firm; low plasticity (clay); Bands include: CLAY; silty; gravelly; mottled orange - yellow; weathered; firm; low plasticity (clay); Additional features include: gravel; FERRUGINOUS GRAVEL, SOME QUARTZ; SOME *
								BANDS FERRICRETE OR FERRUGINOUS CEMENTED GRAVEL *
TE					2.80	0.70	GRAVEL	Clayey; mottled orange - yellow; weathered; medium dense; non-plastic; Additional features include: gravel.
TE					3.70	0.90	CLAY	Gravelly; silty; mottled grey - orange; weathered; firm; low plasticity (clay).
TE					4.60	0.90	CLAY	Silty; light to medium grey; weathered; firm; high plasticity (clay).
TE					7.00	2.40	CLAY	Silty; light to medium orange - yellow; weathered; low strength; brittle; Additional features include: interbedded 60:40; brown; CLAY; silty; light to medium yellow - orange; weathered; soft; low plasticity (silt); Bands include: CLAY; silty; light to medium grey; weathered; firm; high plasticity (clay).
TE					8.10	1.10	SILT	Clayey; sandy; light to medium yellow - brown; weathered; soft; low plasticity (silt); very fine grained; Bands include: CLAY; light to medium grey; weathered; firm; high plasticity (clay); WITH SOME FINE GRAVEL
					9.70	1.60	CLAY	Silty; light to medium yellow - orange; weathered; firm; low plasticity (clay).
					14.30	4.60	CLAY	Silty; light to medium yellow - orange; weathered; firm; low plasticity (clay); fine to coarse grained.

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LAUNCESTON.

GEOLOGICAL LOG REPORT

ATP EL2080
LAUNCESTON

TENEMENT 2080

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					23.00	8.70	CLAY	Interbedded 70:30; Additional features include: green; CLAY: silty, sandy, light to medium orange, weathered, firm, low plasticity (clay).
					24.50	1.50	CLAY	Silty, sandy, light to medium yellow - brown, weathered, low strength, brittle; Additional features include: green.
					25.70	1.20	CLAY	Light to medium green - grey, low strength, brittle.
					26.30	0.60	CLAY	Medium to dark green - grey, low strength, brittle.
					29.50	3.20	SILCRETE	Medium to dark green - grey, low strength, brittle; Bands include: CLAY, light to medium orange, low strength, brittle; Bands include: CLAY, light to medium green - grey, firm, low plasticity (clay); Additional features include: white.
					30.30	0.80	SILTSTONE	Silicified, medium to dark green - grey, high strength, brittle.
					32.00	1.70	SHALE	Silicified, medium to dark green - grey, extremely high strength, tough;
								CHANGED TO ROLLER BIT AT 31.3M *
								CHANGED TO HAMMER BIT AT 31.6M *
								SHALE CONTAINS DARK GREY-BLACK CARBONA *
								CEOUS BANDS, PYRITE AND PYRRHOTITE ON *
								CLEAVAGE PLAINS AND DISSEMINATED *
								SULFIDES WERE "PANNED" FROM MUD PIT ON *
								SHOVELS *
								DRILLER REMARKED THAT LITHOLOGY *
								WAS PROBABLY THE MATHINNA SLATES *
								PRE TERTIARY BASEMENT OF PERMIAN? TO *
								SILURIAN AGE INTERSECTED FROM 8.1M *
								BASE WEATHERING 24.5M *

END OF BORE AT 32.00 m

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