

REPORT TC14-01  
LAUNCESTON.

THIESS COAL SYSTEM  
GEOLOGICAL LOG REPORT

PAGE 21 15/ 6/82 15:29:47  
ATP EL2080 TENEMENT 2080  
LAUNCESTON

166

\*\*\*\*\*  
EL2080 LAUNCESTON, R0026  
\*\*\*\*\*

Eastings: 488610.000  
Northings: 5412960.000  
Grid Type: Australian Madding Grid  
Accuracy: Approximate  
Crl: 199.00  
Datum: Approximate Level - Not Surveyed  
Sheet Reference:  
Sheet Index:  
Total Depth: 79.50  
Drilling Commenced: 13/11/81  
Drilling Completed: 14/11/81  
Inclination:  
Azimuth:  
Standing Water Level: 7.3

Logging Organisation: CSR Exploration and Evaluation Group  
Logged By: HINRICHS  
Drilling Contractor: H.J. Steereole  
Geophysical Logging: Murdoch Geophysics

Counts:  
Parish:  
Portion:

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

Available Data: Gamma Loss  
Resistivity Loss

Drill Bits: Blades  
Rollers  
Percussion

ALL ROCKS ARE FRESH UNLESS OTHERWISE INDICATED

EL2080 LAUNCESTON, R0026

771232

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
					0.30	0.30	SILT	Clayey; sandy; medium to dark red - brown; decomposed; medium dense; non-plastic; BASALT BOULDERS OCCASIONAL
					0.90	0.60	CLAY	Silty; medium to dark red - brown; decomposed; firm; high plasticity (clay).
					4.50	3.60	BASALT	Medium to dark grey - red; weathered; extremely high strength; tough; CHANGED TO ROLLER BIT AT 1.2M; CHANGED TO 120MM BLADES AT 4.5M
					7.90	3.40	SAND	Gravelly; lithic; light to medium orange - brown; medium dense; non-plastic; fine to coarse grained.
					10.50	2.60	CLAY	Kaolinitic; mottled grey - white; firm; high plasticity (clay); WITH SOME SAND
					11.00	0.50	LIGNEOUS CLAY	Medium to dark brown; firm; high plasticity (arsenic); Bands include: INFERIOR LIGNITE; clayey; medium to dark black - brown; firm; friable; LOW STRENGTH CLAY
					15.70	4.70	CLAY and LIGNEOUS CLAY	Interbedded 60:40. CLAY: carbonaceous; medium to dark brown - grey; firm; high plasticity (clay); LIGNEOUS CLAY: medium to dark brown; firm; high plasticity (arsenic).
					17.80	2.10	CLAY	Light to medium grey; firm; high plasticity (clay).

EL2080 LAUNCESTON, R0026

LAUNCESTON.

## GEOLOGICAL LOG REPORT

ATP EL2080 TENEENT 2080  
LAUNCESTON

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					21.40	3.60	CLAY and INFERIOR LIGNITE and CLAY	Interbedded 40:30:30. CLAY: ligneous; light to medium brown; firm; high plasticity (clau); INFERIOR LIGNITE: clauy; humified; medium to dark brown - black; firm; friable; CLAY: carbonaceous; light to medium brown - grey; firm; high plasticity (clau);  CIRCULATION POOR DUE TO CLAY BALLING  % OF LITHOLOGIES UNCERTAIN
					26.00	4.60	LIGNEOUS CLAY	Medium to dark brown; firm; low plasticity (ordanic); Beds include: CLAY; sandy; light to medium grey; firm; low plasticity (clau).
					34.80	8.80	SAND	Woody textured.
					36.50	1.70	LIGNEOUS CLAY	
					37.10	0.60	INFERIOR LIGNITE	Sandy.
					37.60	0.50	LIGNEOUS CLAY	Beds include: INFERIOR LIGNITE; humified; restu.
					38.00	0.40	INFERIOR LIGNITE	Humified; sandy; medium to dark brown - black; firm; low plasticity (clau); Additional features include: sandy textured.
					38.50	0.50	CLAY	Sandy; light to medium grey - brown; firm; low plasticity (clau); abundant woody fragments.
					39.30	1.00	CLAY	Carbonaceous; medium to dark black - grey; firm; low plasticity (clau); Beds include: CLAY; light to medium grey; firm; low plasticity (clau).
					44.00	4.50	CLAY	Sandy; woody textured; light to medium grey; firm; low plasticity (clau); rare ligneous wisps.
					44.30	0.30	INFERIOR LIGNITE	Clauy; medium to dark black - brown; firm; low plasticity (ordanic).
					45.50	1.20	CLAY	Sandy; woody textured; light to medium grey; firm; low plasticity (clau).

EL2080 LAUNCESTON, R0026

168

771234

LAUNCESTON.

## GEOLOGICAL LOG REPORT

ATP EL2080  
LAUNCESTON

TENEMENT 2080

169

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					48.00	2.50	SAND	Clayey, light to medium grey - bronze; loose; non-plastic; rare woody fragments;  SAND POSSIBLY DERIVED FROM DOLERITE
					50.20	2.20	CLAY	Carbonaceous; medium to dark grey - black; firm; high plasticity (clay).
					51.00	0.80	CLAY	Sandy; light to medium grey - bronze; firm; high plasticity (clay).
					52.00	1.00	SAND	Woody textured; light to medium grey; loose; non-plastic.
					52.30	0.30	SAND	Clayey; light to medium grey - brown; loose; non-plastic; occasional ligneous fragments.
					53.20	0.90	INFERIOR LIGNITE	Sandy; clayey; medium to dark brown; firm; low plasticity (organic).
					55.00	1.80	SAND	Clayey; light to medium brown - grey; loose; non-plastic.
					57.80	2.80	SAND	Woody textured; light to medium grey - brown; loose; non-plastic;  SPONGY WOODY FRAGMENTS
					58.00	0.20	CLAY	Carbonaceous; medium to dark black - grey; firm; low plasticity (clay); rare woody fragments.
					58.80	0.80	LIGNEOUS CLAY	Medium to dark brown; firm; low plasticity (clay).
					60.40	1.60	INFERIOR LIGNITE	Clayey; sandy; medium to dark brown; firm; low plasticity (organic).
					60.80	0.40	CLAY	Sandy; woody textured; medium to dark brown - grey; firm; high plasticity (clay); Bands include: CLAY; carbonaceous; sandy; medium to dark black - brown; firm; high plasticity (clay).
					62.00	1.20	CLAY	Sandy; light to medium off white; firm; high plasticity (clay); common woody fragments.
					62.50	0.50	CLAY	Woody textured; ligneous; medium to dark black - brown; firm; low plasticity (organic).

EL2080 LAUNCESTON, R0026

771235

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					63.80	1.30	SAND	Ligneous; clayey; medium to dark black - brown; firm; low plasticity (argonic).
					65.00	1.40	INFERIOR LIGNITE	Sandy; clayey; medium to dark brown; firm; low plasticity (argonic).
					66.00	0.80	INFERIOR LIGNITE	Fine; sandy; medium to dark brown; firm; low plasticity (argonic).
					66.50	0.50	CLAY	Ligneous; medium to dark brown; firm; low plasticity (clay).
					66.80	0.30	CLAY	Light to medium grey; firm; low plasticity (clay); common woody fragments.
					67.20	0.40	CLAY	Carbonaceous; medium to dark black - grey; firm; high plasticity (clay).
					68.30	1.10	INFERIOR LIGNITE	Sandy; sandy textured; medium to dark brown - black; firm; low plasticity (argonic).
					69.00	0.70	CLAY	Sandy; woody textured; light to medium brown - grey; firm; low plasticity (clay).
					70.00	1.00	CLAY	Ligneous; medium to dark brown; firm; low plasticity (argonic).
					70.40	0.40	INFERIOR LIGNITE	Sandy; sandy textured; medium to dark black - brown; firm; low plasticity (argonic).
					71.00	0.60	CLAY	Sandy; medium to dark brown - grey; firm; high plasticity (clay).
					71.50	0.50	INFERIOR LIGNITE	Sandy; clayey; medium to dark brown - black; firm; low plasticity (argonic).
					72.00	0.50	LIGNITE	Woody textured; sandy; medium to dark black - brown; firm; low plasticity (argonic); Additional features include: sandy textured.
					73.00	1.00	SAND	Ligneous; light to medium grey - brown; medium dense; non-plastic.
					73.20	0.80	SAND	Woody textured; light to medium grey - brown; medium dense; non-plastic.

EL2000 LAUNCESTON. R0028

REPORT TC14-01

THIERS COAL SYSTEM

PAGE 26 15/ 6/82 15:30:04

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
					76.00	2.20	SAND	Clayey, woody textured, light to medium grey - brown, medium dense, non-plastic.
					77.50	1.50	CLAY	Ligneous, medium to dark brown, firm, low plasticity (arsenic).
					79.50	2.00	CLAY	Woody textured, sandy, medium to dark brown, firm, high plasticity (clay).

-----  
END OF BORE AT 79.50 m  
-----

EL2080 LAUNCESTON, R0026

171

771237