

088

EL2080 LAUNCESTON, R0015

Eastings: 491340.000
Northings: 6409060.000
Grid Type: Australian Mappings Grid
Accuracy: Approximate
Cr1: 150.00
Datum: Approximate Level - Not Surveyed
Sheet Reference:
Sheet Index:
Total Depth: 54.40
Drilling Commenced: 31/10/81
Drilling Completed: 01/11/81
Inclination:
Azimuth:
Standing Water Level: 3.9

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

Counts:
Porosity:
Porosity:

Plug Berths:
Hole Diameter: 150
Core Diameter:
Cased Berths:
Core Barrel:

Available Data: Gamma Loss
Density Loss
Resistivity Loss
Caliper Loss

Drill Bits: Blades

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
					0.40	0.40	SILT	Clayey; drab; medium to dark brown; weathered; firm; low plasticity (silt); IRON OXIDE BUCKSHOT GRAVEL; WITH * SOME SAND
					0.60	0.20	CLAY	Silty; medium to dark grey; weathered; firm; low plasticity (clay).
					6.50	5.90	CLAY	Light to medium yellow; weathered; firm; high plasticity (clay); 0 TO 6.5M SOIL PROFILE; CONTAINS FIBROUS * ROOTS
					9.00	2.50	CLAY	Light to medium grey; firm; high plasticity (clay); stratational base.
					11.00	2.00	CLAY	Light to medium grey - brown; firm; high plasticity (clay).
					12.60	1.60	CLAY	Light to medium grey; firm; low plasticity (clay).
					14.70	2.10	SAND	Clayey; quartzose; light white - grey; soft; non-plastic; medium drained; uniform; well sorted.
					15.00	0.30	CLAY	Silty; light to medium yellow - brown; extremely high strength; tough; iron oxide; cement; FERRICRETE; CONCRETIONARY IRON OXIDE * NODULES
					16.15	1.15	SAND	Clayey; light white - grey; soft; non-plastic.
					16.80	0.65	CLAY	Carbonaceous; light to medium brown - grey; firm; high plasticity (clay).
					17.40	0.60	INFERIOR LIGNITE	Humified; woody textured; medium to dark brown - black; soft; low plasticity (carbonic); Additional features include: gelatinous.
					18.10	0.70	CLAY	Carbonaceous; medium to dark brown - grey; firm; high plasticity (clay).

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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
					18.80	0.70	INFERIOR LIGNITE	Humified; gelatinous; medium to dark brown - black; soft; low plasticity (orsanic).
					19.40	0.60	LIGNEOUS CLAY	Medium to dark brown; firm; high plasticity (orsanic).
					21.30	1.90	CLAY	Carbonaceous; medium to dark brown - grey; firm; high plasticity (clay); abundant woody fragments.
					21.85	0.55	INFERIOR LIGNITE	Humified; dark black - brown; firm; friable; Bands include: INFERIOR LIGNITE, humified; gelatinous; dark black - brown; soft; low plasticity (orsanic).
					22.40	0.55	INFERIOR LIGNITE	Clayey; medium to dark brown - black; firm; low plasticity (orsanic).
					23.35	0.95	INFERIOR LIGNITE	Humified; dark black - brown; firm; friable; Bands include: INFERIOR LIGNITE, humified; gelatinous; dark black - brown; soft; low plasticity (orsanic).
					25.00	1.65	CLAY	Carbonaceous; medium to dark brown - grey; firm; high plasticity (clay); abundant woody fragments.
					25.90	0.90	LIGNEOUS CLAY	Medium to dark brown; firm; high plasticity (orsanic).
					28.20	2.30	CLAY	Carbonaceous; medium to dark brown; firm; high plasticity (clay); Bands include: INFERIOR LIGNITE, clayey; medium to dark brown - black; soft; low plasticity (orsanic).
					32.70	4.50	SAND	Ligneous; NO SAMPLE RETURN: 28 TO 33M
					33.20	0.50	INFERIOR LIGNITE	Medium to dark brown - black; firm; friable.
					33.70	0.50	LIGNEOUS CLAY	Medium to dark brown; firm; high plasticity (orsanic); Bands include: INFERIOR LIGNITE, medium to dark brown - black; firm; friable.
					34.30	0.60	INFERIOR LIGNITE	Medium to dark brown - black; firm; friable.
					35.00	0.70	CLAY	Carbonaceous; medium to dark brown - grey; firm; high plasticity (clay); common woody fragments.
					35.45	0.45	LIGNEOUS CLAY	Medium to dark brown; firm; high plasticity (orsanic).

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					36.65	1.20	LIGNEOUS CLAY	Medium to dark brown; firm; high plasticity (organic); Beds include: CLAY, carbonaceous; medium to dark brown - grey; firm; high plasticity (clay).
					38.70	2.05	CLAY	Light to medium grey - brown; firm; high plasticity (clay).
					39.10	0.40	INFERIOR LIGNITE	Dark brown - black; firm; friable.
					42.00	2.90	CLAY	Light grey - brown; firm; high plasticity (clay).
					42.10	0.10	SIDERITE	Light grey - brown; low strength; brittle.
					54.40	12.30	CLAY	Light grey - brown; firm; high plasticity (clay);
							HOLE ABANDONED DUE TO CLAY BALLING	*
							CAUSING PRESSURE BUILD UP IN FORMA TIONS BEING DRILLED AND WASHOUT OF UPPERMOST STRATA. THIS RESULTED IN CIRCULATION LOSS.	* * *

END OF BORE AT 54.40 m

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