

099

EL2080 LAUNCESTON. R0019

Easting: 492000.000
Northing: 5408950.000
Grid Type: Australian Mapping Grid
Accuracy: Approximate
Cell: 160.00
Datum: Approximate Level - Not Surveyed
Sheet Reference:
Sheet Index:
Total Depth: 90.00
Drilling Commenced: 04/11/81
Drilling Completed: 04/11/81
Inclination:
Azimuth:
Standing Water Level: 1.2

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

Counts:
Perish:
Portion:

Flud 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

EL2080 LAUNCESTON. R0019

771165

LAUNCESTON.

GEOLOGICAL LOG REPORT

ATP EL2080
LAUNCESTON

TENEMENT 2080

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					0.20	0.20	SAND	Silty; medium to dark brown; weathered; medium dense; non-plastic.
					1.00	0.80	CLAY	Gravelly; mottled orange - yellow; firm; high plasticity (clay); abundant iron oxide; secondary; staining; Additional features include: grey.
					2.20	1.20	CLAY	Sandy; mottled orange - yellow; firm; low plasticity (clay); abundant iron oxide; secondary; staining; Additional features include: grey; Bands include: GRAVEL; silty; sandy; light to medium orange - red; medium dense; non-plastic; abundant iron oxide; secondary; staining.
					3.20	1.00	GRAVEL	Clayey; sandy; light to medium orange - red; medium dense; non-plastic; abundant iron oxide; secondary; staining.
					6.00	2.80	CLAY	Gravelly; mottled red - orange; firm; high plasticity (clay); abundant iron oxide; secondary; staining; Additional features include: white - grey.
					9.60	3.60	CLAY	Mottled red - orange; firm; high plasticity (clay); Additional features include: white - grey; WITH A TRACE OF GRAVEL
					10.50	0.90	CLAY	Mottled white - grey; firm; high plasticity (clay).
					10.60	0.10	CLAY	Medium to dark red - purple; stiff; high plasticity (clay); abundant iron oxide; secondary; staining; Additional features include: abundant manganese; secondary; staining.
					22.00	11.40	CLAY	Buff - khaki; fresh; firm; conchoidal fracture; high plasticity (clay); Bands include: CLAY; base at 0011.60m; medium to dark buff - khaki; firm; high plasticity (clay); Bands include: CLAY; medium to dark grey; firm; high plasticity (clay); DUMPED MUD AT 12.8M * WITH SOME RED-ORANGE MOTTLING * KAOLINITIC CLAY LOW STRENGTH CRUMBLES READILY * DUMPED MUD AT 19.2M *

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					27.00	5.00	CLAY	Mottled white - grey; stiff; high plasticity (clay); Bands include: CLAY; silty; medium to dark red; stiff; high plasticity (clay); abundant iron oxide; secondary; staining; Bands include: CLAY; silty; medium to dark red; low strength; brittle; abundant iron oxide; secondary; cement; Bands include: CLAY; light grey; firm; high plasticity (clay); CLAYS ARE HIGHLY INTERBANDED FROM 17.0 * METRES TO 27.0 METRES * CHANGED MUD AT 24.0 AND 26.0 METRES *
					31.00	4.00	CLAY	Light grey; soft; high plasticity (clay); Bands include: CLAY; silty; medium to dark red; low strength; brittle; Bands include: CLAY; silty; medium to dark red; stiff; high plasticity (clay); Bands include: CLAY; light grey; firm; high plasticity (clay).
					34.80	3.80	SAND	Silty; quartzose; light grey; medium dense; non-plastic; fine grained; common woody fragments.
					36.00	1.20	CLAY	Silty; light grey; soft; low plasticity (clay); IRON/MANGANESE OXIDE CEMENTED SANDY CLAYEY NOD * ULES COMMON POSSIBLY NOT CLAY BUT CLAYEY SAND * HARD TO DETERMINE DUE TO EXTRA-THICK MUD * DUMPED MUD AT 36.0 METRES *
					39.60	3.60	SAND	Silty; quartzose; light to medium brown; medium dense; non-plastic; fine and medium grained; Additional features include: ligneous.
					41.10	1.50	SAND	Silty; quartzose; light to medium brown; medium dense; non-plastic; fine and medium grained; Additional features include: ligneous; Bands include: CLAY; ligneous; silty; medium to dark brown; soft; low plasticity (organic); common woody fragments; Bands include: CLAY; carbonaceous; medium to dark brown - grey; soft; low plasticity (organic); common woody fragments.
					42.30	1.20	CLAY	Carbonaceous; medium to dark brown - grey; soft; low plasticity (organic); common woody fragments.

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GEOLOGICAL LOG REPORT

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					44.50	2.20	LIGNITE	Medium to dark black - brown; firm; friable.
					46.00	1.50	CLAY	
					47.90	1.90	LIGNEDUS CLAY	
					54.50	6.60	CLAY	
					55.40	0.90	INFERIOR LIGNITE	
					55.90	0.50	LIGNEOUS CLAY	
					56.70	0.80	INFERIOR LIGNITE	
					57.55	0.85	CLAY	Carbonaceous.
					61.45	3.90	CLAY	
					63.20	1.75	LIGNEOUS CLAY	
					65.50	2.30	SAND	Ligneous; quartzose; light to medium brown; medium dense; non-plastic; fine and medium grained; HUMIFIED AND FIBEROUS PEATY-WOODY FRAGMENTS * POSSIBLY WOODY-SANDY INFERIOR LIGNITE
					66.60	1.10	SAND	Silty; light grey; medium dense; non-plastic.
					70.00	3.40	CLAY	Silty; sandy; light grey - brown; soft; low plasticity (clay); very fine grained; POSSIBLY WITH SAND INTERBEDDED 50/50
					71.50	1.50	SIDERITE	Light grey - brown; low strength; brittle.
					80.00	8.50	SILT	Sandy; light grey; medium dense; non-plastic; very fine grained.

 END OF BORE AT 80.00 m

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