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EL2080 LAUNCESTON. R0016  
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Eastings: 490690.000  
Northings: 5407840.000  
Grid Type: Australian Mappings Grid  
Accuracy: Approximate  
Cell: 150.00  
Datum: Approximate Level - Not Surveyed  
Sheet Reference:  
Sheet Index:  
Total Depth: 64.00  
Drilling Commenced: 02/11/81  
Drilling Completed: 02/11/81  
Inclination:  
Azimuth:  
Standing Water Level: 0.5

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

Counts:  
Porosity:  
Porosity:

Plus Depth:  
Hole Diameter: 150  
Core Diameter:  
Cased Depth:  
Core Barrel:

Available Data: Gamma Loss  
Density Logs  
Resistivity Loss  
Caliper Loss

Drill Bits: Blades

ALL ROCKS ARE FRESH UNLESS OTHERWISE INDICATED

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771158

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
					0.30	0.30	SAND	Silty; medium to dark brown - grey; medium dense; non-plastic; fine and medium grained;  BANDS OF IRON OXIDE CEMENTED SAND
					1.50	1.20	CLAY	Sandy; quartzose; light to medium orange - yellow; firm; low plasticity (clay); fine and medium grained; uniform; gradational base;  WITH SOME IRON OXIDE NODULES; GRAVELLY *  HUMIC FIBROUS WOOD FRAGMENTS
					3.50	2.00	SAND	Clayey; quartzose; light to medium orange - yellow; medium dense; non-plastic; fine and medium grained; uniform.
					5.00	1.50	CLAY	Sandy; light to medium orange - yellow; firm; low plasticity (clay); Bands include: CLAY; silty; mottled orange - yellow; firm; low plasticity (clay); Additional features include: white - grey.
					8.00	3.00	CLAY	Sandy; silty; mottled grey - yellow; low strength; brittle; Additional features include: orange.
					10.70	2.70	CLAY	Silty; mottled yellow - orange; firm; high plasticity (clay); Bands include: CLAY; light to medium grey - brown; gradational base.
					18.90	8.20	CLAY	Light to medium brown - grey; firm; high plasticity (clay); Bands include: SIDERITE; 00.20 m thick; base at 0015.10m; light to medium grey - brown; low strength; brittle; Bands include: SIDERITE; 00.30 m thick; base at 0017.50m; light to medium grey - brown; low strength; brittle.
					24.00	5.10	CLAY	Light to medium grey - brown; firm; high plasticity (clay); Bands include: CLAY; 00.30 m thick; base at 0020.70m; light to medium green - brown; low strength; brittle; iron oxide; secondary cement.
					26.50	2.50	SAND	Quartzose; clayey; light grey; medium dense; non-plastic; fine and medium grained; uniform; mixed sorting; subrounded; equant; fining upwards; rare woody fragments.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					27.70	1.20	CLAY	Sandy; light grey; firm; low plasticity (clay); fine and medium grained.
					29.20	1.50	SAND	Quartzose; clayey; light grey; medium dense; non-plastic; fine and medium grained; rare woody fragments.
					30.60	1.40	CLAY	Light grey - green; firm; high plasticity (clay); rare woody fragments.
					32.00	1.40	SAND	Quartzose; clayey; light grey; medium dense; non-plastic; fine and medium grained; rare woody fragments.
					34.50	2.50	CLAY	Light grey - green; soft; high plasticity (clay); rare woody fragments.
					36.20	1.70	SAND	Quartzose; clayey; light grey; medium dense; non-plastic; rare woody fragments.
					41.30	5.10	CLAY	Light grey - white; firm; high plasticity (clay); occasional woody fragments; Bands include: CLAY; light brown - grey; firm; high plasticity (clay);  CHANGED CIRCULATING FLUID AT 38.4M
					42.00	0.70	SIDERITE	Light grey - brown; extremely high strength; tough; Additional features include: green;  CHANGED CIRCULATING FLUID AT 42.5M
					47.00	5.00	CLAY	Bentonitic; light green - grey; firm; high plasticity (clay); CLAY IS HIGHLY DISPERSIVE. CHANGED *  CIRCULATING FLUID AT 46.5M
					49.60	2.60	SILT	Sandy; quartzose; light grey; medium dense; non-plastic; fine grained; common woody fragments; Additional features include: clayey.
					51.90	2.30	CLAY and CLAY	Interbedded 50:50. CLAY: bentonitic; light green - grey; firm; high plasticity (clay); CLAY: silty; light white - grey; soft; high plasticity (clay).

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GEOLOGICAL LOG REPORT

ATF EL2080 TENEMENT 2080  
LAUNCESTON

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					52.30	0.40	SILT	Sandy; quartzose; light grey; medium dense; non-plastic; fine grained; abundant woody fragments; Additional features include: clayey.
					54.00	1.70	CLAY	Bentonitic; light green - grey; firm; high plasticity (clay).
					54.50	0.50	SILT	Sandy; quartzose; light grey; medium dense; non-plastic; fine grained; common woody fragments; Additional features include: clayey.
					56.90	2.40	CLAY	Bentonitic; light grey - green; soft; high plasticity (clay); Bands include: CLAY; bentonitic; light to medium green - grey; firm; high plasticity (clay);  THIS CLAY IS OF LOW STRENGTH. *  CRUMBLES READILY * Bands include: CLAY; silty; light grey - brown; soft; high plasticity (clay); occasional woody fragments.
					62.00	5.10	CLAY	Bentonitic; light grey - green; soft; high plasticity (clay); Bands include: CLAY; silty; light to medium green - grey; firm; high plasticity (clay);  HIGHLY DISPERSIVE LOW STRENGTH CLAYS
					64.00	2.00	CLAY and SAND	Interbedded 50:50. CLAY: bentonitic; light to medium green - grey; soft; high plasticity (clay); SAND: silty; clayey; light grey; medium dense; non-plastic.

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END OF BORE AT 64.00 m  
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