

REPORT T014-01

THIERS COAL SYSTEM

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LAUNCESTON.

GEOLOGICAL LOG REPORT

ATF EL2080 TERNENT 2080
LAUNCESTON

071

EL2080 LAUNCESTON, R0012

Eastings: 487310.000
Northings: 5409030.000
Grid Type: Australian Mappings Grid
Accuracy: Approximate
Crl: 150.00
Datum: Approximate Level - Not Surveyed
Sheet Reference:
Sheet Index:
Total Depth: 73.60
Drilling Commenced: 27/10/81
Drilling Completed: 28/10/81
Inclination:
Azimuth:
Standing Water Level: 4.4

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

Count:
Perish:
Portion:

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

Available Data: Gamma Log
Density Log
Resistivity Log
Collar Log

Drill Bits: Bladed

ALL ROCKS ARE FRESH UNLESS OTHERWISE INDICATED

EL2080 LAUNCESTON, R0012

771137

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					0.50	0.50	SAND	Silty; clayey; medium to dark brown; firm; non-plastic; occasional woody fragments.
					1.80	1.30	CLAY	Sandy; quartzose; mottled orange - yellow; firm; high plasticity (clay); medium drained; uniform; occasional woody fragments; Additional features include: grey.
					2.30	0.50	CLAY	Sandy; quartzose; light to medium grey; firm; high plasticity (clay).
					3.30	1.00	CLAY	Sandy; quartzose; light to medium orange - yellow; firm; low plasticity (clay).
					3.60	0.30	CLAY	Silty; sandy; mottled orange - grey; firm; low plasticity (clay); very fine drained.
					4.60	1.00	CLAY	Silty; sandy; mottled grey - orange; firm; high plasticity (clay); very fine drained.
					5.80	1.20	GRAVEL	Sandy; clayey; medium dense; non-plastic; Bands include: CLAY; silty; sandy; mottled grey - orange; firm; high plasticity (silt).
					6.40	0.60	SAND	Clayey; gravelly; medium dense; non-plastic.
					8.80	2.40	SILT	Sandy; clayey; mottled orange - grey; soft; low plasticity (clay).
					9.50	0.70	CLAY	Silty; gravelly; mottled orange - grey; firm; low plasticity (clay); MEDIUM GRAVEL
					10.10	0.60	SILT	Sandy; clayey; mottled grey - white; soft; low plasticity (silt); very fine drained; Additional features include: pink.
					10.80	0.70	CLAY	Silty; sandy; mottled grey - orange; soft; low plasticity (clay); fine and medium drained; Additional features include: gravelly; COARSE GRAVEL

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					11.50	0.70	CLAY	Mottled grey - orange, soft, low plasticity (clay).
					12.60	1.10	SILT	Sandy, clayey, mottled grey - orange, medium dense, non-plastic, fine and medium grained; Additional features include: gravelly; FINE TO MEDIUM GRAVEL
					13.80	1.20	CLAY	Silty, sandy, light to medium grey - orange, soft, low plasticity (clay); CHANGE CIRCULATING FLUID AT 12.8M
					15.80	2.00	CLAY	Silty, sandy, mottled grey - white, soft, low plasticity (clay); Bands include: CLAY; silty, light to medium orange - yellow, soft, low plasticity (clay); Bands include: CLAY; light grey, firm, high plasticity (clay).
					18.20	2.40	CLAY	Silty, sandy, light grey - white, soft, high plasticity (clay); BLOCKED BIT AT 16M.; REAMED CLAY BALLS; * CHANGED CIRCULATING FLUID
					20.20	2.00	CLAY	Silty, light grey - white, soft, high plasticity (clay), common woody fragments; WITH SOME SAND B Bands include: CLAY, carbonaceous, light to medium brown, soft, high plasticity (clay).
					23.20	3.00	CLAY	Silty, kaolinic, light grey, soft, high plasticity (clay), rare woody fragments; Bands include: CLAY, carbonaceous, light to medium brown, soft, high plasticity (clay); LIGHT GREY CLAY DISPERSIVE; THICKENS * CIRCULATING FLUID READILY, BENTONITIC

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					34.80	11.60	CLAY	Silty, light grey, soft, high plasticity (clay), occasional woody fragments; CHANGE MUD AT 32 METRES
					37.80	3.00	CLAY	Silty, sandy, light grey, soft, low plasticity (clay), common woody fragments.
					39.70	1.90	CLAY	Silty, light grey, firm, high plasticity (clay), common woody fragments; CHANGED MUD AT 38.4 METRES * WOOD FRAGMENTS ARE TWIGS AND BRANCHES
					40.30	0.60	INFERIOR LIGNITE	Woody textured, resty, dark brown, firm, friable.
					41.60	1.30	CLAY	Carbonaceous, medium to dark brown - grey, firm, high plasticity (clay).
					41.90	0.30	LIGNEOUS CLAY	Medium to dark brown, firm, low plasticity (ordonic).
					42.20	0.30	INFERIOR LIGNITE	Medium to dark brown, firm, friable.
					42.60	0.40	LIGNITE	Medium to dark brown - black, firm, friable.
					44.80	2.20	LIGNEOUS CLAY	Medium to dark brown, firm, low plasticity (ordonic).
					45.50	0.70	LIGNITE	Medium to dark brown - black, firm, friable.
					46.70	1.20	LIGNEOUS CLAY	Medium to dark brown, firm, low plasticity (ordonic); BASE OF LIGNEOUS HORIZON UNDERFINED * DUE TO GEOPHYSICAL LOG ENDING AT 47M. NO LIGNITE LOGGED FROM CHIPS. *
					48.90	2.20	CLAY	Silty, sandy, light grey, soft, low plasticity (clay), common woody fragments.
					53.60	4.70	CLAY	Silty, light to medium grey, very soft, low plasticity (clay); CLAY VERY SOFT AND DISPERSIVE

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					59.30	5.70	CLAY	Light to medium grey; firm; high plasticity (clay); Bands include: CLAY; light to medium brown - grey; firm; high plasticity (clay).
					62.00	2.70	SAND	Silty; quartzose; light white - grey; very soft; non-plastic; common woody fragments; Bands include: CLAY; light to medium grey; firm; high plasticity (clay).
					62.40	0.40	SAND	Quartzose; woody textured; light to medium brown; medium dense; non-plastic; abundant woody fragments.
					63.00	0.60	SAND	Clayey; quartzose; light grey - white; medium dense; non-plastic; Bands include: CLAY; light to medium grey; firm; high plasticity (clay).
					63.50	0.50	SAND	Quartzose; woody textured; light to medium brown; medium dense; non-plastic; abundant woody fragments.
					65.80	2.30	CLAY and CLAY	Interbedded 50:50. CLAY: sandy; light white - grey; medium dense; non-plastic; CLAY: light to medium grey; firm; high plasticity (clay).
					66.20	0.40	SAND	Quartzose; light white - grey; medium dense; non-plastic; fine and medium grained.
					68.20	2.00	CLAY	Light to medium grey; firm; high plasticity (clay); common woody fragments; Bands include: SAND; clayey; quartzose; light white - grey; very soft; non-plastic; common woody fragments.
					70.00	1.80	CLAY	Light to medium grey; firm; high plasticity (clay); Bands include: SAND; clayey; quartzose; light white - grey; very soft; non-plastic; fine and medium grained; Bands include: SAND; quartzose; light grey; medium dense; non-plastic; fine and medium grained.

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TENEMENT 2080

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					73.60	3.60	CLAY	Light to medium grey, firm, high plasticity (clay); Bands include: CLAY, light to medium brown - grey, firm, high plasticity (clay);
								POSSIBLE LIGNEOUS HORIZON BETWEEN *
								62 AND 65 METRES. SAMPLE RETURN *
								POOR. RECIRCULATING CUTTINGS IN MUD *
								DRILLING FLUID *

 END OF BORE AT 73.60 m

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