

063

REPORT TITLE

THIERS COAL SYSTEM

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LAUNCESTON.

GEOLOGICAL LOG REPORT

ATF EL2080
LAUNCESTON

TENEMENT 2080

EL2080 LAUNCESTON. R0010

Eastings: 494920.000
Northings: 5412260.000
Grid Type: Australian Mapping Grid
Accuracy: Approximate
Crl: 150.00
Datum: Approximate Level - Not Surveyed.
Sheet Reference:
Sheet Index:
Total Depth: 59.35
Drilling Commenced: 22/10/81
Drilling Completed: 22/10/81
Inclination:
Azimuth:
Standing Water Level:

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

Count:
Parish:
Portion:

Plus Berths:
Hole Diameter:
Core Diameter:
Cased Berths:
Core Barrel:

Available Data: Gamma Log

Drill Bits:

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
					1.50	1.50	CLAY	Silty, gravelly; medium to dark red - brown, weathered; firm; low plasticity (clay); abundant woody fragments; WITH SOME BUCKSHOT/PISOLITIC GRAVEL * HUMIC TYPE CLAY, WITH FIBROUS ELASTIC * WOOD FRAGMENTS
					2.20	0.70	CLAY	Silty, medium to dark grey - green, firm; low plasticity (clay); common woody fragments.
					2.80	0.60	CLAY	Silty, sandy; mottled green - yellow, firm; low plasticity (clay); Additional features include: gravel; WITH SOME GRAVEL
					3.60	0.80	LIGNITE	Woody textured; humified; medium to dark black - brown, firm; friable.
					4.00	0.40	CLAY	Silty, sandy; mottled grey - yellow, firm; low plasticity (clay).
					6.20	2.20	CLAY	Silty, sandy; light to medium grey - brown, firm; high plasticity (clay); abundant woody fragments.
					7.50	1.30	CLAY	Light to medium grey - brown, firm; high plasticity (clay).
					8.50	1.00	CLAY	Silty, sandy; light to medium grey - brown, firm; high plasticity (clay); abundant woody fragments.
					9.30	0.80	LIGNITE	Woody textured; humified; medium to dark black - brown, firm; friable.
					10.30	1.00	CLAY	Silty, sandy; light to medium grey - brown, firm; high plasticity (clay); abundant woody fragments.
					11.00	0.70	LIGNITE	Woody textured; humified; medium to dark black - brown, firm; friable.
					12.50	1.50	CLAY	Silty, sandy; light to medium grey - brown, firm; high plasticity (clay); abundant woody fragments.
					13.30	0.80	LIGNITE	Woody textured; humified; medium to dark black - brown, firm; friable.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					14.20	0.90	CLAY	Sandy; light to medium grey - brown; firm; high plasticity (clay); abundant woody fragments.
					15.50	1.30	SAND	Clayey; light to medium grey - brown; medium dense; non-plastic; abundant woody fragments.
					16.20	0.70	LIGNITE	Woody textured; resin; medium to dark black - brown; firm; friable.
					16.50	0.30	CLAY	Carbonaceous; medium to dark grey - brown; soft; high plasticity (clay); abundant woody fragments.
					17.30	0.80	LIGNITE	Woody textured; resin; medium to dark black - brown; firm; friable.
					20.50	3.20	SAND	Quartzose; clayey; light to medium grey; medium dense; non-plastic; common woody fragments.
					21.20	0.70	INFERIOR LIGNITE	Woody textured; resin; medium to dark black - brown.
					23.70	2.50	SAND	Quartzose; clayey; light to medium grey; medium dense; non-plastic; common woody fragments.
					27.70	4.00	CLAY	Silty; sandy; light to medium grey - brown; soft; low plasticity (clay); common woody fragments; Beds include: SIDERITE; 00.10 m thick; base at 0026.90m; low strength; brittle.
					28.00	0.30	SAND	Gravelly; light to medium grey - white; medium dense; non-plastic.
					33.80	5.80	SAND	Clayey; quartzose; light grey - white; very soft; non-plastic; fine grained; uniform; well sorted; rounded; equant; Beds include: SAND; 00.20 m thick; base at 0032.10m; quartzose; light to medium orange - red; high strength; tough; iron oxide; secondary; cement; Beds include: SAND; silty; quartzose; light white - grey; firm; friable; clay; accessory; cement; Additional features include: kaolinitic.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					34.10	0.30	SAND	Clayey, quartzose, light white - grey, low strength, brittle, clay, accessory, cement; Additional features include: kaolinitic; CHANGED MUD AT 34 METRES
					36.50	2.40	SAND	Clayey, quartzose, light white - grey, very soft, non-plastic; Bands include: SAND; 00.05 m thick, base at 0035.55m, clayey, quartzose, light white - grey, low strength, brittle, clay, accessory, cement; Bands include: SAND; 00.10 m thick, base at 0035.90m, clayey, quartzose, light white - grey, low strength, brittle, clay, accessory, cement.
					37.00	0.50	CLAY	Silty, sandy, light to medium grey - brown, very soft, low plasticity (clay).
					40.00	3.00	SAND and CLAY	Interbedded 50:50. SAND: clayey, quartzose, light white - grey, very soft, non-plastic; CLAY: silty, sandy, light to medium grey - brown, very soft, low plasticity (clay).
					41.00	1.00	CLAY	Carbonaceous, light to medium brown - grey, soft, high plasticity (clay); common woody fragments.
					41.80	0.80	SAND	Quartzose, clayey, light to medium grey - brown, medium dense, non-plastic, occasional woody fragments.
					43.40	1.60	CLAY	Carbonaceous, light to medium brown - grey, soft, high plasticity (clay); common woody fragments; CHANGED MUD AT 42 METRES
					44.80	1.40	SAND	Quartzose, clayey, light white - grey, medium dense, non-plastic, fine and medium grained, coarsening upwards, occasional woody fragments; Additional features include: silty.
					47.00	2.20	SAND	Silty, clayey, light white - grey, medium dense, non-plastic, fine and medium grained, coarsening upwards; Additional features include: quartzose.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					52.00	5.00	SAND	Silty, clayey, light white - grey, medium dense, non-plastic, fine and medium grained; coarsening upwards; Additional features include: quartzose.
					55.60	3.60	SAND	Silty, clayey, light white - grey, medium dense, non-plastic, fine and medium grained; Additional features include: quartzose.
					57.00	1.40	CLAY	Silty, sandy, light to medium grey - white; very soft; high plasticity (clay); fine and medium grained.
					58.30	1.30	CLAY	Sandy; mottled white - grey; firm; high plasticity (clay); Additional features include: blue; CLAY AFTER DOLERITE
					58.35	0.05	DOLERITE	Light to medium green - grey; high strength; tough; Additional features include: blue; LIGNITE INTERSECTIONS CAUSED RATTLING * SOUND SIMILAR TO BLACK COAL-SUSPECT * PREDOMINANT LIGNEOUS LITHOTYPE IS LOGS * AND BRANCHES IN CLAY AND OR SAND * LATERAL FACIES EQUIVALENTS OF MAIN * LIGNITE SEAMS *

END OF BORE AT 58.35 m

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