

REPORT TC14-01
LAUNCESTON.

THIESS COAL SYSTEM
GEOLOGICAL LOG REPORT

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ATP EL2080 TENEMENT 2080
LAUNCESTON

EL2080 LAUNCESTON. R0001

Easting: 493680.000
Northing: 5414360.000
Grid Type: Australian Mapping Grid
Accuracy: Approximate
Crl: 155.00
Datum: Approximate Level - Not Surveyed
Sheet Reference:
Sheet Index:
Total Depth: 35.00
Drilling Commenced: 05/10/81
Drilling Completed: 06/10/81
Inclination:
Azimuth:
Standing Water Level: 0.0

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

County:
Parish:
Portion:

Plug Depths:
Hole Diameter: 120
Core Diameter:
Cased Depths: 3.0
Core Barrel:

Available Data: Gamma Logs
Density Logs
Resistivity Logs
Caliper Logs

Drill Bits: Blades

ALL ROCKS ARE FRESH UNLESS OTHERWISE INDICATED

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TENEMENT 2080

STRAT NAME	SEG NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					0.50	0.50	SAND	Silty, medium to dark brown, weathered, medium dense, non-plastic.
					1.20	0.70	SAND	Silty, light to medium brown - red, weathered, medium dense, non-plastic.
					2.90	1.70	CLAY	Sandy, quartzose, light to medium grey, fresh, firm, low plasticity (clay), medium grained, uniform, well sorted, well rounded; Additional features include: rounded.
					3.80	0.90	SAND	Clayey, quartzose, light to medium grey, fresh, firm, low plasticity (clay), medium grained, uniform, well sorted, well rounded; Additional features include: rounded.
					4.40	0.60	SAND	Ligneous, woody textured, medium to dark brown - black, firm, friable; SOME FISSILE WOODY BANDS
					5.55	1.15	SAND and LIGNEOUS CLAY	Interbedded 60:40. SAND: ligneous, woody textured, medium to dark brown - black, medium dense, non-plastic; LIGNEOUS CLAY: medium to dark brown - grey, firm, low plasticity (organic); WOODY LIGNITE IS FIRM FRIABLE
					7.10	1.55	SAND	Clayey, medium to dark brown, medium dense, non-plastic.
					10.20	3.10	SAND	Ligneous, woody textured, dark grey - brown, medium dense, non-plastic, common woody fragments; Additional features include: quartzose; WITH WOOD FRAGMENT RICH BANDS
					12.10	1.90	CLAY	Light to medium grey - brown, very soft, high plasticity (clay); CLAY NOT RETURNED AS FRAGMENTS. PROB- ABLY 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
					12.45	0.35	SAND	Ligneous, quartzose, medium dense, non-plastic, abundant woody fragments; Additional features include: woody textured.
					13.70	1.25	SAND	Quartzose, clayey, light grey, medium dense, non-plastic, medium grained, uniform.
					14.90	1.20	SAND	Quartzose, clayey, medium to dark brown, medium dense, non-plastic, medium grained, uniform, abundant woody fragments; Additional features include: ligneous, woody textured.
					18.90	4.00	SAND	Quartzose, light grey, medium dense, non-plastic.
					20.10	1.20	INFERIOR LIGNITE	Woody textured, peaty, medium to dark brown, firm, friable; Additional features include: sandy.
					21.00	0.90	SAND	Quartzose, light grey, medium dense, non-plastic, common woody fragments.
					22.50	1.50	CLAY	Light grey - brown, soft, high plasticity (clay), common woody fragments; Bands include: SAND, quartzose, clayey, light grey, medium dense, non-plastic, fine and medium grained, common woody fragments; SOME LIGNEOUS BANDS
					25.50	3.00	SAND	Quartzose, clayey, light grey, medium dense, non-plastic; Bands include: SAND, quartzose, clayey, light grey - brown, medium dense, non-plastic, abundant woody fragments; Additional features include: woody textured.
					26.50	1.00	CLAY	Sandy, light white - grey, soft, high plasticity (clay), abundant woody fragments.
					27.00	0.50	SAND	Quartzose, clayey, light grey, medium dense, non-plastic, fine and medium grained, common woody fragments.
					27.50	0.50	LIGNITE	Sandy, woody textured, dark brown - black, low strength, brittle; Bands include: LIGNITE, sandy, woody textured, dark brown - black, firm, friable.
					28.00	0.50	SAND	Quartzose, light grey, medium dense, non-plastic.

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STRAT NAME	SEG NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
					28.50	0.50	CLAY	Sandy, light grey, soft, high plasticity (clay), fine and medium grained.
					29.80	1.30	LIGNITE	Dark brown - black, firm, friable.
					30.50	0.70	LIGNITE and CLAY	Interbedded 50:50. LIGNITE: dark brown - black, firm, friable; CLAY: light grey, firm, high plasticity (clay).
					32.50	2.00	SAND	Quartzose, light grey, medium dense, non-plastic, fine and medium grained, common woody fragments; Bands include: CLAY, carbonaceous, medium to dark brown, soft, high plasticity (clay), common woody fragments; Bands include: CLAY, sandy, quartzose, light white, soft, low plasticity (clay), common woody fragments.
					33.00	0.50	CLAY	Sandy, light to medium green, soft, low plasticity (clay); WEATHERED DOLERITE
					35.00	2.00	SAND	Clayey, medium to dark green - blue, medium dense, non-plastic, medium grained; HARD BASEMENT INTERSECTED AT TOTAL * DEPTH.

END OF BORE AT 35.00 m

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