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REPORT TC14-01  
LAUNCESTON.

THIESS COAL SYSTEM  
GEOLOGICAL LOG REPORT

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ATP EL2080 TENEMENT 2080  
LAUNCESTON

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EL2080 LAUNCESTON. C0059  
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Easting: 496300.000  
Northing: 5402500.000  
Grid Type: Australian Mapping Grid  
Accuracy: Approximate  
Crl: 155.00  
Datum: Australian Height Datum

Logging Organisation: AAR Limited  
Logged By: HOLZOSB  
Drilling Contractor: Exploration Drilling, WA Pty. Ltd.  
Geophysical Logging: AAR Limited

Sheet Reference:

County:

Sheet Index:

Parish:

Total Depth: 52.00

Portion:

Drilling Commenced: 04/04/81

Drilling Completed: 05/04/81

Inclination: 90

Azimuth:

Standing Water Level:

Plug Depths:

Hole Diameter: 125

Core Diameter:

Cased Depths: 2.0

Core Barrel: Triefus Triple Barrel

Available Data: Gamma Logs

Self Potential Logs

Resistivity Logs

Drill Bits: Blades

ALL ROCKS ARE FRESH UNLESS OTHERWISE INDICATED

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TENEMENT 2080

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STRAT NAME	SEQ NO.	SEAM NAME	WRK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
TE					3.00	3.00	SOIL	Siliceous, clayey, brown.
TE					10.00	7.00	CLAY and CLAY	Interbedded 50:50. CLAY: brown - grey, weathered, soft, plasticity (un-differentiated), iron oxide, secondary, staining; CLAY: siliceous, weathered, soft; FEW PEBBLES
TE					18.00	8.00	CLAY	Grey - brown, soft, abundant carbonaceous remains; FEW THIN LIGNITE INTERBEDS
TE					21.00	3.00	SILT	Clayey, grey - brown; THIN LIGNITE INTERBEDS
TE				C1801	21.20	0.20	OIL SHALE	Ligneous, brown - black, fissile, lamellae, low angle inclined bedding, sharp irregular base.
TE					21.65	0.45	CLAY	Brown, abundant carbonaceous remains.
TE					21.65	0.00	CLAY	
TE				C1802	22.12	0.47	OIL SHALE	Ligneous, clayey, brown - black, fissile, lamellae, low angle inclined bedding, sharp irregular base.
TE				C1803	22.40	0.28	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1803	22.53	0.13	OIL SHALE	Ligneous, clayey, brown - black, lamellae, low angle inclined bedding, sharp irregular base.
TE				C1803	23.30	0.77	CLAY	Brown - grey, abundant carbonaceous remains.
TE				C1804	23.68	0.38	OIL SHALE	Ligneous, clayey, brown - black, lamellae, low angle inclined bedding, sharp irregular base.
TE				C1804	23.88	0.20	CLAY	Brown - grey, abundant carbonaceous remains.
TE				C1804	24.00	0.12	CLAY	
TE				C1805	27.00	3.00	CLAY	Brown, soft, abundant carbonaceous remains; LIGNITE INTERBEDS TO 20CM
TE				C1805	29.27	2.27	CLAY	Green - grey, soft, abundant carbonaceous remains.
TE				C1805	29.79	0.52	CLAY and SILT	Finely interbedded 50:50. CLAY: brown - grey, fine bedding, abundant carbonaceous remains; SILT: clayey, green - grey.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
TE				C1805	29.89	0.10	OIL SHALE	Ligneous, clayey, brown - black, soft, lamellae, low angle inclined bedding, sharp irregular base.
TE				C1805	30.00	0.11	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1806	30.76	0.76	CLAY	
TE				C1806	30.94	0.18	OIL SHALE	Ligneous, clayey, brown - black, fissile, lamellae, low angle inclined bedding, sharp irregular base.
TE				C1806	31.00	0.06	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1806	31.19	0.19	OIL SHALE	Ligneous, clayey, brown - black, fissile.
TE				C1806	31.34	0.15	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1806	31.39	0.05	OIL SHALE	Ligneous, clayey, brown - black, fissile.
TE				C1806	31.52	0.13	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1806	31.63	0.11	OIL SHALE	Ligneous, clayey, brown - black, fissile.
TE				C1806	31.72	0.09	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1806	31.83	0.11	OIL SHALE	Ligneous, clayey, brown - black.
TE				C1806	32.00	0.17	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1807	32.10	0.10	CLAY	
TE				C1807	32.13	0.03	OIL SHALE	Ligneous, clayey, brown - black.
TE				C1807	32.24	0.11	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1807	32.30	0.06	OIL SHALE	Ligneous, clayey, brown - black.
TE				C1807	32.38	0.08	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1807	32.42	0.04	OIL SHALE	Ligneous, clayey, brown - black.
TE				C1807	33.00	0.58	CLAY	Dark brown, abundant carbonaceous remains.
TE				C1807	33.10	0.10	OIL SHALE	Ligneous, clayey, brown - black.
TE				C1808	36.00	2.90	CLAY	Siliceous, brown - grey; LIGNITIC OIL SHALE INTERBEDS

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
TE				C1808	42.00	6.00	CLAY	Grey - brown, soft, plasticity (un- differentiated).
TE				C1808	52.00	10.00	CLAY	Siliceous, light grey, soft;

CORE RUN-RECOVERY 21-24M REC 2.88M, 24-27M REC

2.0M, 27-30M REC 3.0M, 30-33M REC 3.0M 33-36M

REC 1.4M

AAR BOREHOLE 18 IS NOW NUMBERED C0059

END OF BORE AT 52.00 m

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