

REPORT TC14-01

THIESS COAL SYSTEM

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LAUNCESTON.

GEOLOGICAL LOG REPORT

ATP EL2080  
LAUNCESTON

TENEMENT 2080

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EL2080 LAUNCESTON. C021R  
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Easting: 493630.000  
Northing: 5412320.000  
Grid Type: Australian Mapping Grid  
Accuracy: Approximate  
Cri: 174.00

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

Datum: Approximate Level - Not Surveyed

Sheet Reference:

Sheet Index:

Total Depth: 79.47

Drilling Commenced: 04/12/81

Drilling Completed: 06/12/81

Inclination:

Azimuth:

Standing Water Level:

County:

Parish:

Portion:

Plug Depths:

Hole Diameter: 1500

Core Diameter: 1000

Cased Depths:

Core Barrel: Triefus Triple Barrel

Available Data: Gamma Logs

Neutron Logs

Density Logs

Self Potential Logs

Resistivity Logs

Caliper Logs

Drill Bits: Blades

Rollers

Tungsten Carbide

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
					0.50	0.50	CLAY	Medium to dark brown, firm, high plasticity (clay), gradational base; Bands include: CLAY, medium to dark brown, stiff, high plasticity (clay).
					2.50	2.00	CLAY	Mottled cream - yellow, stiff, high plasticity (clay), gradational base.
					3.20	0.70	CLAY	Mottled white - cream, very stiff, high plasticity (clay), gradational base.
					5.00	1.80	CLAY	Mottled white - cream, firm, high plasticity (clay), gradational base.
				C2823	6.94	1.94	CLAY	Light grey - brown, soft, high plasticity (clay), good core - unbroken;  BROWN AND ORANGE HORIZONTAL STREAKS
				C2823	7.14	0.20	CLAY	Light grey - brown, firm, high plasticity (clay), good core - unbroken.
					7.38	0.24	CORE LOSS	
				C2824	7.40	0.02	CLAY	Light grey, firm, high plasticity (clay), good core - unbroken.
				C2824	7.72	0.32	CLAY	Light to medium grey, firm, high plasticity (clay), good core - unbroken, common bioturbation.
				C2824	7.92	0.20	CLAY	Light to medium grey - brown, firm, high plasticity (clay), good core - unbroken, gradational base, common woody fragments; Additional features include: common bioturbation;  WOOD CHIPS COMMON
				C2825	8.06	0.14	CLAY	Medium to dark grey - brown, firm, low plasticity (clay), good core - unbroken, coaly wisps;  CARBONACEOUS WISPS COMMON

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2825	8.32	0.26	CLAY	Light to medium brown - grey, firm, high plasticity (clay), good core - unbroken, common bioturbation; Additional features include: common woody wisps;  WOOD WISPS COMMON
				C2825	8.47	0.15	CLAY	Light to medium grey - brown, firm, high plasticity (clay), good core - unbroken, common bioturbation.
				C2825	8.72	0.25	CLAY	Medium to dark grey - brown, firm, high plasticity (clay), good core - unbroken, gradational base, common bioturbation; Additional features include: common woody wisps;  PLANAR CARBONACEOUS PARTING DECREASING IN ABUNDANCE  TOWARDS BASE OF UNIT WOOD WISPS COMMON
				C2825	8.88	0.16	CLAY	Sandy, light to medium grey - brown, firm, low plasticity (clay), good core - unbroken, gradational base;  HORIZONTAL DARTINGS
				C2825	9.01	0.13	CLAY	Sandy, medium to dark grey, firm, low plasticity (clay), good core - unbroken, very fine grained, common woody wisps;  WOOD WISPS COMMON
				C2825	9.22	0.21	CLAY	Silty, medium to dark grey - brown, firm, low plasticity (clay), good core - unbroken, common woody fragments; Additional features include: occasional ligneous wisps.
				C2825	9.29	0.07	CLAY	Light to medium brown - grey, firm, low plasticity (clay), good core - unbroken, common ligneous wisps.
				C2825	9.32	0.03	SAND	Ligneous, medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken, common woody fragments.
				C2825	9.37	0.05	CLAY	Sandy, light to medium grey - brown, firm, low plasticity (clay), good core - unbroken.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2825	9.56	0.19	CLAY	Medium to dark grey - brown, firm, high plasticity (clay), good core - unbroken;  PLANAR PARTINGS LESS THAN 4 DEGREES
				C2825	9.61	0.05	CLAY	Sandy, mottled brown - grey, firm, low plasticity (clay), good core - unbroken, fine grained, sharp planar base, beds dip at 05 degrees.
				TOP OF SEAM LA1		9.61		
		LA1		C2826	9.66	0.05	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken, gradational base.
		LA1		C2826	9.73	0.07	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA1		C2826	9.81	0.08	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LA1		C2826	9.92	0.11	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, occasional resin aggregates.
		LA1		C2826	9.95	0.03	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, occasional resin aggregates.
		LA1		C2826	10.16	0.21	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile, rare resin aggregates; Additional features include: occasional bioturbation;  RARE CLAY LENSES
		LA1		C2827	10.28	0.12	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, occasional bioturbation.
		LA1		C2827	10.44	0.16	LIGNITE	Dark brown, firm, coal cleat, friable, sparse, subvertical joints, vertical joints, good core - unbroken, subfissile, occasional bioturbation.
		LA1			10.46	0.02	CORE LOSS	
		LA1		C0019	10.51	0.05	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.



STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LA2		C2830	11.76	0.03	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LA2		C2830	12.17	0.41	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, subfissile, occasional bioturbation.
		LA2		C2830	12.22	0.05	LIGNITE	Humified, gelatinous, dark brown - black, soft, good core - unbroken.
		LA2		C2830	12.87	0.65	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile, gradational base, common resin aggregates; Additional features include: occasional bioturbation.
		LA2		C2830	13.20	0.33	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, subfissile, occasional woody fragments;
INCREASED CLAY OVER ABOVE UNIT								
		LA2		C2831	13.50	0.30	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, subfissile, occasional woody fragments;
INCREASED CLAY OVER ABOVE UNIT								
		LA2		C0020	13.53	0.03	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, fissile;
SLIGHT CLAY CONTENT								
		LA2		C0020	13.55	0.02	LIGNEOUS CLAY	Dark brown - grey, firm, low plasticity (organic), good core - unbroken.
		LA2		C0020	13.58	0.03	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, gradational base.
BASE OF SEAM LA2					13.58	1.85		
				C2832	13.80	0.22	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base.

STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2832	13.88	0.08	CLAY	Ligneous, dark brown - grey, firm, friable, good core - unbroken.
				C2832	13.98	0.10	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, rare resin aggregates.
				C2832	14.11	0.13	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, common ligneous wisps.
				C2832	14.14	0.03	CLAY	Light to medium grey - brown, firm, high plasticity (clay), good core - unbroken, gradational base, occasional bioturbation.
				C2832	14.27	0.13	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, occasional bioturbation.
				C2832	14.33	0.06	LIGNEOUS CLAY	Dark brown, firm, friable, good core - unbroken.
				C2832	14.37	0.04	CLAY	Light to medium grey - brown, firm, high plasticity (clay), good core - unbroken.
				C2832	14.40	0.03	CLAY	Medium to dark brown, firm, low plasticity (clay), good core - unbroken, sharp planar base, beds dip at 00 degrees.
					TOP OF SEAM LA3		14.40	
		LA3		C2833	14.54	0.14	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, rare resin aggregates; Additional features include: occasional bioturbation; SLIGHT CLAY CONTENT
		LA3		C2833	14.68	0.14	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LA3		C2833	14.76	0.08	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2833	14.78	0.02	LIGNEOUS CLAY	Dark brown - black, firm, low plasticity (clay), good core - unbroken.
		LA3		C2833	14.89	0.11	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, gradational base.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LA3		C2833	15.01	0.12	CLAY	Ligneous, dark brown, firm, high plasticity (clay), good core - unbroken.
		LA3		C2833	15.06	0.05	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, gradational base.
		LA3		C2833	15.18	0.12	LIGNEOUS CLAY	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2834	15.37	0.19	LIGNITE	Dark brown, firm, friable, good core - unbroken; RARE CLAY BANDS
		LA3		C2834	15.50	0.13	LIGNITE	Woody textured, clayey, dark brown - black, firm, friable, good core - unbroken, rare resin aggregates.
		LA3		C2835	15.66	0.16	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken.
		LA3		C2835	15.72	0.06	CLAY	Ligneous, dark brown, firm, high plasticity (clay), good core - unbroken, common ligneous fragments.
		LA3		C2835	15.82	0.10	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C0021	15.84	0.02	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken, gradational base.
		LA3		C0021	15.88	0.04	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LA3		C0021	15.94	0.06	INFERIOR LIGNITE	Dark brown - black, firm, friable, good core - unbroken; RARE CLAY BANDS
		LA3		C0021	15.95	0.01	CLAY	Ligneous, light to medium grey - brown, firm, high plasticity (clay), good core - unbroken.
		LA3		C0021	15.98	0.03	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C0021	16.01	0.03	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken.
		LA3		C0021	16.06	0.05	LIGNITE	Dark brown, firm, friable, good core - unbroken.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LA3		C0021	16.09	0.03	CLAY	Ligneous, medium to dark brown - grey, firm, low plasticity (clay), good core - unbroken.
		LA3		C0021	16.15	0.06	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken.
		LA3		C0021	16.23	0.08	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, gradational base.
		LA3		C0021	16.45	0.22	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3			16.51	0.06	CORE LOSS	
		LA3		C2836	16.53	0.02	INFERIOR LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken, subfissile, occasional bioturbation.
		LA3		C2836	16.55	0.02	CLAY	Ligneous, medium to dark brown - grey, firm, low plasticity (clay), good core - unbroken.
		LA3		C2836	16.61	0.06	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2836	16.63	0.02	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LA3		C2836	16.67	0.04	INFERIOR LIGNITE	Clayey, gelatinous, dark brown - black, soft, good core - unbroken, fissile, gradational base.
		LA3		C2836	16.74	0.07	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2836	16.76	0.02	LIGNEOUS CLAY	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2836	16.88	0.12	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2836	16.94	0.06	INFERIOR LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken; CLAY BANDS AND WISPS COMMON
		LA3		C2836	16.96	0.02	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken; Bands include: LIGNITE, dark brown, firm, friable, good core - unbroken.
		LA3		C2837	17.84	0.88	LIGNITE	Dark brown, firm, friable, good core - unbroken.

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STRAT NAME	SEG NO.	SEAM NAME	WRK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LA3		C2837	18.24	0.40	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, subfissile;  SOME CLAY INCREASED MOISTURE OVER PREVIOUS UNIT
		LA3		C2837	18.30	0.06	LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken.
		LA3		C2838	18.42	0.12	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2838	18.45	0.03	INFERIOR LIGNITE	Dark brown - black, firm, friable, good core - unbroken, subfissile.
		LA3		C2838	18.55	0.10	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LA3		C2838	18.59	0.04	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken.
		LA3		C2838	18.62	0.03	LIGNITE	Woody textured, clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
BASE OF SEAM LA3					18.62	4.22		
				C2839	18.81	0.19	CLAY	Ligneous, medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken.
				C2839	18.97	0.16	CLAY	Ligneous, medium to dark brown - black, firm, high plasticity (organic), good core - unbroken, common ligneous wisps; Additional features include: rare woody fragments.
				C2839	18.98	0.01	CLAY	Ligneous, light to medium brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base, common bioturbation.
				C2839	19.03	0.05	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, common bioturbation.
				C2839	19.11	0.08	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
					19.50	0.39	CORE LOSS	
				C2840	19.57	0.07	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, rare resin aggregates.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2840	19.62	0.05	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2840	19.69	0.07	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, gradational base.
				C2840	19.72	0.03	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken, gradational base.
				C2840	19.82	0.10	CLAY	Ligneous, light to medium brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base, abundant bioturbation.
				C2840	19.92	0.10	CLAY	Ligneous, medium to dark brown - grey, firm, low plasticity (clay), good core - unbroken, gradational base, common woody fragments; Additional features include: rare resin aggregates.
				C2840	19.99	0.07	INFERIOR LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken; CLAY WISPS COMMON
				C2840	20.08	0.09	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
				C2840	20.10	0.02	LIGNEOUS CLAY	Medium to dark brown - grey, firm, friable, good core - unbroken.
				C2840	20.15	0.05	INFERIOR LIGNITE	Clayey, medium to dark brown - black, firm, friable, good core - unbroken, gradational base.
				C2840	20.25	0.10	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken.
				C2840	20.34	0.09	CLAY	Medium to dark brown, firm, high plasticity (clay), good core - unbroken, sharp planar base, beds dip at 05 degrees; WOOD WISPS COMMON
				TOP OF SEAM LA4		20.34		
		LA4		C2841	20.42	0.08	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, occasional bioturbation.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LA4		C2842	20.51	0.09	INFERIOR LIGNITE	Clayey, dark black - brown, firm, friable, good core - unbroken.
		LA4		C2842	20.79	0.28	LIGNITE	Dark brown, firm, friable, good core - unbroken.
		LA4		C0022	20.84	0.05	LIGNITE	Dark brown, firm, friable, good core - unbroken, gradational base, rare resin aggregates; Additional features include: occasional bioturbation;  CLAY WISPS RARE
		LA4		C0022	20.86	0.02	CLAY	Dark brown, firm, high plasticity (clay), good core - unbroken.
		LA4		C0022	20.99	0.13	LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken, gradational base, abundant bioturbation.
		LA4		C0022	21.28	0.29	LIGNITE	Dark brown, firm, friable, good core - unbroken, subfissile, gradational base, occasional bioturbation.
		LA4		C0022	21.37	0.09	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, occasional bioturbation.
BASE OF SEAM LA4					21.37	1.03		
					21.61	0.24	CORE LOSS	
				C2843	21.68	0.07	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, occasional bioturbation.
				C2843	21.75	0.07	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, sparse bioturbation.
				C2843	21.94	0.19	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken, common bioturbation; Bands include: LIGNITE, dark brown - black, firm, friable, common bioturbation.
				C2843	22.06	0.12	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken, abundant bioturbation;  LIGNEOUS BANDS COMMON

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STRAT NAME	SEG NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2844	22.54	0.48	CLAY	Light to medium grey, firm, slickensides on fracture, high plasticity (clay), common, subhorizontal joints, angle of joints 40 degrees, good core - unbroken, sparse bioturbation;  PARALLEL SLICKENSIDES WITH APPROXIMATELY  9 CENTIMETER SPACING AT APPROXIMATELY  45 DEGREE ANGLE
				C2844	22.95	0.41	CLAY	Light to medium grey - brown, firm, high plasticity (clay), good core - unbroken, gradational base, sparse bioturbation; Additional features include: occasional ligneous wisps.
				C2844	23.13	0.18	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, occasional ligneous wisps.
				C2844	23.31	0.18	CLAY	Light to medium brown - grey, firm, high plasticity (clay), good core - unbroken, occasional ligneous wisps.
				C2844	23.33	0.02	INFERIOR LIGNITE	Clayey, medium to dark brown, firm, friable, good core - unbroken, common bioturbation.
				C2844	23.36	0.03	CLAY	Light to medium brown - grey, firm, high plasticity (clay), good core - unbroken.
				C2844	23.40	0.04	CLAY	Light to medium brown, firm, low plasticity (clay), good core - unbroken.
				C2844	23.42	0.02	CLAY	Ligneous, medium to dark brown, firm, low plasticity (clay), good core - unbroken, gradational base.
				C2844	23.80	0.38	CLAY	Light to medium brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base, rare ligneous wisps;  LIGNEOUS WISPS INCREASED TOWARDS BASE
				C2845	24.16	0.36	INFERIOR LIGNITE	Woody textured, clayey, medium to dark brown - black, firm, friable, good core - unbroken, fissile.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2845	24.26	0.10	CLAY	Light to medium brown, firm, high plasticity (clay), good core - unbroken;  LIGNEOUS BANDS COMMON
				C2845	24.28	0.02	INFERIOR LIGNITE	Clayey, medium to dark brown, firm, friable, good core - unbroken, fissile.
				C2845	24.29	0.01	CLAY	Light to medium brown - grey, firm, low plasticity (clay), good core - unbroken, common woody fragments.
				C2845	24.32	0.03	INFERIOR LIGNITE	Clayey, woody textured, medium to dark brown, firm, friable, good core - unbroken, fissile.
				C2845	24.43	0.11	CLAY	Light to medium brown, firm, high plasticity (clay), good core - unbroken, abundant ligneous wisps.
				C2845	24.60	0.17	CLAY and INFERIOR LIGNITE	Interbedded 60:40. CLAY: light to medium brown - grey, firm, low plasticity (clay), good core - unbroken, abundant woody fragments; INFERIOR LIGNITE: clayey, dark brown, firm, friable, good core - unbroken, fissile.
				C2845	24.75	0.15	CLAY and CLAY	Interbedded 80:20. CLAY: light to medium brown - grey, firm, low plasticity (clay), good core - unbroken; CLAY: light to medium brown, firm, low plasticity (clay), good core - unbroken, abundant woody fragments;  WOODY BANDS
				R	35.51	10.76	NO RECORD	
				C2846	35.98	0.47	CLAY	Light to medium grey, firm, low plasticity (clay), good core - unbroken, uniform, rare bioturbation.
				C2846	36.07	0.09	CLAY	Silty, light to medium grey, firm, low plasticity (clay), good core - unbroken, uniform, rare bioturbation;  SANDY INFILLING
				C	38.51	2.44	CORE LOSS	

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2847	38.72	0.21	CLAY	Light to medium grey, firm, high plasticity (clay), good core - unbroken, uniform, rare bioturbation;  SANDY INFILLINGS
				C2847	38.79	0.07	SAND	Sideritic, light to medium brown - grey, high strength, tough, core broken, fine grained.
				C2847	39.20	0.41	CLAY	Silty, light to medium grey, firm, high plasticity (clay), good core - unbroken.
				C2847	39.39	0.19	CLAY	Light to medium grey, firm, high plasticity (clay), good core - unbroken;  SOME SILT, WOODY BANDS COMMON
				C2847	39.80	0.41	CLAY	Light to medium grey, firm, high plasticity (clay), good core - unbroken, occasional bioturbation;  CLAY INFILLING
				C2847	40.02	0.22	CLAY	Silty, light to medium grey, firm, high plasticity (clay), good core - unbroken, rare bioturbation;  FINE SIDERITE ON CLEATS
				C2847	40.30	0.28	CLAY	Silty, light to medium grey, firm, high plasticity (clay), good core - unbroken, rare bioturbation.
				C2847	40.33	0.03	SAND	Sideritic, light to medium buff, low strength, brittle, core broken, fine grained.
					41.09	0.76	CORE LOSS	
				R	43.77	2.68	CLAY	Light to medium grey, firm, high plasticity (clay), occasional ligneous wisps; Bands include: CLAY, silty, light to medium grey, firm, low plasticity (clay), occasional ligneous wisps; Bands include: SIDERITE, light to medium buff, low strength, brittle.

TOP OF SEAM LB1	43.77
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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LB1		R	44.27	0.50	INFERIOR LIGNITE and LIGNEOUS CLAY	Interbedded 50:50. INFERIOR LIGNITE: clayey, woody textured, dark brown, firm, friable; LIGNEOUS CLAY: dark brown, firm, low plasticity (organic).
		LB1		C2848	44.38	0.11	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LB1		C2848	44.41	0.03	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB1		C2848	44.62	0.21	INFERIOR LIGNITE	Clayey, dark brown - black, firm, coal cleat, low plasticity (organic), sparse, subvertical joints, vertical joints, good core - unbroken, gradational base.
		LB1		C2848	44.67	0.05	LIGNITE	Woody textured, dark brown - black, firm, coal cleat, friable, sparse, subvertical joints, vertical joints, good core - unbroken, fissile.
		LB1		C2848	44.80	0.13	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB1		C2848	44.97	0.17	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
WOODY IN PARTS								
		LB1		C2848	44.98	0.01	LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken.
OCCASIONAL CLAY WISPS								
		LB1		C2849	45.06	0.08	LIGNITE	Dark brown - black, firm, slickensides on fracture, friable, sparse, oblique joints, angle of joints 40 degrees, good core - unbroken, fissile.
		LB1		C2849	45.07	0.01	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LB1		C2849	45.25	0.18	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, subfissile.
		LB1		C2849	45.32	0.07	LIGNITE	Medium to dark black - brown, firm, friable, good core - unbroken, fissile, gradational base.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LB1		C0023	45.43	0.11	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile, occasional woody fragments.
		LB1		C0023	45.47	0.04	LIGNITE	Woody textured, clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB1		C0023	45.52	0.05	LIGNEDUS CLAY	Dark brown - black, firm, friable, good core - unbroken, gradational base.
		LB1		C0023	45.57	0.05	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken.
		LB1		C0023	45.62	0.05	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB1		C0023	45.65	0.03	INFERIOR LIGNITE	Clayey, dark brown - black, firm, slickensides on fracture, friable, sparse, oblique joints, angle of joints 60 degrees, good core - unbroken.
		LB1		C0023	45.92	0.27	LIGNITE	Dark brown - black, firm, slickensides on fracture, friable, sparse, oblique joints, angle of joints 60 degrees, good core - unbroken, fissile.
		LB1		C0023	45.94	0.02	LIGNITE	Dark brown - black, firm, friable, good core - unbroken;
								CLAY WISPS COMMON
		LB1		C0023	45.99	0.05	INFERIOR LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken.
		LB1		C0023	46.07	0.08	LIGNITE	Woody textured, clayey, dark brown - black, firm, friable, good core - unbroken.
				BASE OF SEAM LB1	46.07	2.30		
				C2850	46.18	0.11	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken, sharp oblique base, beds dip at 50 degrees;
								PARTING AT 46.10 METRES, OBLIQUE AT 30 DEGREES
				C2850	46.19	0.01	LIGNITE	Woody textured, dark brown, firm, friable, good core - unbroken.

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STRAT NAME	SEG NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2850	46.40	0.21	LIGNEOUS CLAY and LIGNITE	Intermixed; LIGNEOUS CLAY: dark brown, firm, slickensides on fracture, friable, sparse, oblique joints, angle of joints 50 degrees, good core - unbroken, sharp oblique base, beds dip at 60 degrees, abundant woody fragments; LIGNITE: woody textured, dark brown, firm, friable, good core - unbroken;  INTERNAL DIP WITH UNIT AT 60 DEGREES
				C2850	46.61	0.21	CLAY	Light to medium brown, firm, low plasticity (clay), good core - unbroken, sharp planar base, beds dip at 05 degrees, occasional bioturbation.
				C2850	46.66	0.05	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, gradational base;  OCCASIONAL CLAY BANDS
				C2850	46.76	0.10	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken, sharp planar base, beds dip at 03 degrees.
				C2850	46.79	0.03	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile, gradational base.
				C2850	46.85	0.06	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, gradational base.
				C2850	46.86	0.01	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken, gradational base.
				C2850	46.87	0.01	INFERIOR LIGNITE	Woody textured, clayey, dark brown - black, firm, friable, good core - unbroken.
					47.05	0.18	CORE LOSS	
					47.10	0.05	CORE LOSS	
				C2851	47.19	0.09	LIGNEOUS CLAY	Dark brown - black, firm, low plasticity (organic), good core - unbroken, abundant woody fragments.
				C2851	47.21	0.02	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2851	47.23	0.02	LIGNEOUS CLAY	Medium to dark brown, firm, high plasticity (organic), good core - unbroken.
				C2851	47.32	0.09	LIGNITE	Woody textured, clayey, dark brown - black, soft, friable, good core - unbroken, fissile.
				C2851	47.36	0.04	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken.
				C2851	47.38	0.02	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2851	47.41	0.03	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken.
				C2851	47.60	0.19	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
							CLAY WISPS COMMON	
				C2851	47.61	0.01	CLAY	Ligneous, medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken.
				C2851	47.64	0.03	LIGNITE	Woody textured, clayey, medium to dark brown - grey, firm, friable, good core - unbroken, gradational base.
				C2852	47.70	0.06	CLAY	Ligneous, medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken, gradational base.
				C2852	47.71	0.01	CLAY	Ligneous, dark brown - black, firm, high plasticity (organic), good core - unbroken.
				C2852	47.82	0.11	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, gradational base.
							CLAY WISPS COMMON	
				C2852	47.86	0.04	LIGNEOUS CLAY	Medium to dark brown - grey, firm, high plasticity (organic), good core - unbroken.
				C2852	47.89	0.03	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
				C2852	47.92	0.03	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2852	48.00	0.08	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2852	48.08	0.08	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, subfissile.
				C2852	48.17	0.09	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (organic), good core - unbroken.
				TOP OF SEAM LB2		48.17		
		LB2		C2853	48.24	0.07	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2853	48.28	0.04	INFERIOR LIGNITE	Clayey, dark black - brown, firm, friable, good core - unbroken.
		LB2		C2853	48.32	0.04	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2853	48.39	0.07	INFERIOR LIGNITE	Clayey, dark brown - black, firm, low plasticity (organic), good core - unbroken, fissile.
		LB2		C2853	48.45	0.06	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2853	48.48	0.03	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2853	48.52	0.04	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2853	48.53	0.01	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2854	48.95	0.42	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, subfissile, gradational base.
		LB2		C2854	49.17	0.22	LIGNITE	Dark brown, firm, coal cleat, friable, sparse, subvertical joints, vertical joints, good core - unbroken, fissile.
		LB2		C2854	49.24	0.07	LIGNEOUS CLAY	Dark brown, firm, high plasticity (organic), good core - unbroken, occasional ligneous fragments; Additional features include: rare resin aggregates.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LB2		C2854	49.39	0.15	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, gradational base.
		LB2		C2855	49.45	0.06	CLAY	Ligneous, dark brown, firm, high plasticity (organic), good core - unbroken.
		LB2		C2855	49.48	0.03	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (organic), good core - unbroken, sharp planar base, beds dip at 00 degrees, occasional bioturbation.
		LB2		C2855	49.51	0.03	LIGNEOUS CLAY	Dark brown - black, firm, low plasticity (organic), good core - unbroken.
		LB2		C2855	49.54	0.03	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken.
		LB2		C2855	49.64	0.10	LIGNEOUS CLAY and LIGNITE	Interbedded 80:20. LIGNEOUS CLAY: dark brown - black, firm, friable, good core - unbroken; LIGNITE: dark brown - black, firm, friable, good core - unbroken.
		LB2		C2855	49.72	0.08	LIGNEOUS CLAY	Dark brown, firm, friable, good core - unbroken, rare bioturbation.
		LB2		C2855	49.78	0.06	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LB2		C2856	49.96	0.18	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, fissile, gradational base;
							DECREASED FISSILITY AND INCREASED	
							CLAY CONTENT TOWARDS BASE	
		LB2		C2856	49.97	0.01	LIGNEOUS CLAY	Medium to dark brown, firm, low plasticity (organic), good core - unbroken.
		LB2		C2856	50.02	0.05	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LB2		C2856	50.29	0.27	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LB2		C2857	50.35	0.06	LIGNITE	Woody textured, clayey, dark brown - black, firm, friable, good core - unbroken;  LOWER STRENGTH THAN OVERLYING UNIT
		LB2		C2857	50.46	0.11	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2857	50.57	0.11	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LB2		C2858	50.62	0.05	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.
		LB2		C2858	50.66	0.04	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken.
		LB2		C2858	50.71	0.05	LIGNEOUS CLAY	Dark brown - black, firm, low plasticity (organic), good core - unbroken, common ligneous fragments.
		LB2		C2858	50.78	0.07	LIGNITE	Dark brown - black, firm, coal cleat, friable, sparse, subvertical joints, vertical joints, good core - unbroken, fissile.
		LB2		C2858	50.83	0.05	INFERIOR LIGNITE	Clayey, dark brown - black, firm, low plasticity (organic), good core - unbroken.
		LB2		C2858	50.89	0.06	LIGNITE	Dark brown - black, firm, coal cleat, friable, sparse, subvertical joints, vertical joints, good core - unbroken, fissile.
		LB2		C2858	50.94	0.05	CLAY	Medium to dark brown, firm, high plasticity (clay), good core - unbroken, common ligneous wisps.
		LB2		C2858	51.15	0.21	LIGNITE	Clayey, dark brown - black, firm, coal cleat, friable, common, subvertical joints, vertical joints, good core - unbroken, fissile;  CLEATS IRREGULARLY ORIENTATED
		LB2		C2858	51.24	0.09	LIGNITE	Dark brown, firm, friable, good core - unbroken, subfissile, common resin aggregates.
		LB2		C2858	51.25	0.01	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LB2		C2858	51.33	0.08	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, abundant resin aggregates.
		LB2		C2858	51.42	0.09	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken, abundant resin aggregates.
		LB2		C2858	51.46	0.04	LIGNITE	Dark brown, firm, friable, good core - unbroken.
		LB2		C2858	51.48	0.02	INFERIOR LIGNITE	Clayey, dark brown, firm, friable, good core - unbroken.
		LB2		C2858	51.58	0.10	LIGNITE	Woody textured, clayey, dark brown, firm, friable, good core - unbroken, gradational base.
		LB2		C2859	51.75	0.17	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base, rare woody fragments; Additional features include: common bioturbation.
		LB2		C2859	51.81	0.06	LIGNEOUS CLAY	Dark brown - black, firm, friable, good core - unbroken, gradational base.
		LB2		C2860	52.21	0.40	LIGNITE	Clayey, dark brown - black, firm, coal cleat, friable, sparse, oblique joints, angle of joints 50 degrees, good core - unbroken, subfissile.
		LB2		C0024	52.27	0.06	LIGNITE	Woody textured, dark black - brown, firm, friable, good core - unbroken, fissile.
		LB2		C0024	52.52	0.25	LIGNITE	Clayey, woody textured, dark black - brown, firm, coal cleat, friable, sparse, subvertical joints, vertical joints, good core - unbroken, fissile.
		LB2		C0024	52.64	0.12	INFERIOR LIGNITE	Clayey, dark brown - black, firm, uneven fracture, friable, sparse, oblique joints, angle of joints 50 degrees, good core - unbroken, gradational base.
								CLEAT ORIENTATED IN OPPOSITE DIRECTION TO FRACTURE IN PREVIOUS UNIT
		LB2		C0024	52.82	0.18	LIGNITE	Clayey, dark brown - black, firm, even fracture, friable, sparse, oblique joints, angle of joints 40 degrees, good core - unbroken.
		LB2		C0024	52.84	0.02	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
		LB2		C0024	52.86	0.02	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken.
		LB2		C0024	52.88	0.02	INFERIOR LIGNITE	Clayey, dark brown, firm, high plasticity (organic), good core - unbroken, gradational base.
		LB2		C2861	52.90	0.02	LIGNEOUS CLAY	Dark brown, firm, high plasticity (organic), good core - unbroken.
		LB2		C2861	52.99	0.09	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, sharp oblique base, beds dip at 15 degrees.
		LB2		C2861	53.04	0.05	CLAY	Medium to dark grey - brown, firm, high plasticity (clay), good core - unbroken.
		LB2		C2861	53.08	0.04	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, common bioturbation.
		LB2		C2861	53.10	0.02	CLAY	Ligneous, medium to dark brown - grey, firm, friable, good core - unbroken.
		LB2		C2861	53.17	0.07	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
		LB2		C2861	53.21	0.04	LIGNITE	Clayey, medium to dark brown - black, firm, friable, good core - unbroken.
		LB2		C2861	53.38	0.17	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, sharp oblique base, beds dip at 10 degrees.
		LB2		C2861	53.53	0.15	LIGNEOUS CLAY	Medium to dark brown, firm, high plasticity (organic), good core - unbroken, gradational base, common resin aggregates.
		LB2		C2861	53.58	0.05	LIGNEOUS CLAY	Dark brown - black, firm, high plasticity (organic), good core - unbroken, sharp irregular base, beds dip at 10 degrees.
		LB2		C2861	53.69	0.11	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.
		LB2		C2862	53.74	0.05	LIGNEOUS CLAY	Dark brown - black, firm, high plasticity (organic), good core - unbroken.
		LB2		C2862	53.97	0.23	LIGNITE	Dark brown - black, firm, friable, good core - unbroken.

BASE OF SEAM LB2	53.97	5.80
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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2863	54.05	0.08	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2863	54.10	0.05	CLAY	Ligneous, medium to dark brown - grey, firm, friable, good core - unbroken
				C2863	54.23	0.13	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2863	54.26	0.03	LIGNEOUS CLAY	Medium to dark brown - grey, firm, low plasticity (organic), good core - unbroken.
				C2863	54.34	0.08	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2863	54.37	0.03	LIGNEOUS CLAY	Dark brown - black, firm, friable, good core - unbroken.
				C2863	54.55	0.18	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, gradational base.
				C2864	54.72	0.17	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base, common ligneous wisps.
				C2864	54.86	0.14	LIGNEOUS CLAY	Dark brown - grey, firm, high plasticity (organic), good core - unbroken, gradational base, common ligneous wisps.
				C2864	55.01	0.15	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2864	55.09	0.08	CLAY	Medium to dark grey - brown, firm, high plasticity (clay), good core - unbroken.
				C2864	55.14	0.05	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, gradational base.
				C2864	55.17	0.03	LIGNEOUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken.
				C2864	55.21	0.04	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.
				C2864	55.42	0.21	LIGNEOUS CLAY	Medium to dark brown, firm, high plasticity (organic), good core - unbroken, common bioturbation.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2864	55.46	0.04	INFERIOR LIGNITE	Clayey, medium to dark brown, firm, high plasticity (organic), good core - unbroken, fissile.
				C2864	55.48	0.02	LIGNEOUS CLAY	Medium to dark brown - grey, firm, high plasticity (organic), good core - unbroken.
				C2864	55.54	0.06	INFERIOR LIGNITE	Clayey, dark brown, firm, low plasticity (organic), good core - unbroken;
							WITH ABUNDANT CLAY RICH BANDS	
				C2864	55.71	0.17	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (organic), good core - unbroken, occasional ligneous wisps.
				C2864	55.78	0.07	LIGNEOUS CLAY	Medium to dark brown - grey, firm, friable, good core - unbroken.
				C2864	55.92	0.14	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken; Bands include: CLAY, medium to dark brown, firm, high plasticity (clay), good core - unbroken.
				C2864	55.96	0.04	CLAY	Ligneous, dark brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base.
				C2864	56.03	0.07	INFERIOR LIGNITE	Clayey, woody textured, dark brown, firm, friable, good core - unbroken; Bands include: CLAY, medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken.
				C2864	56.11	0.08	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, common bioturbation.
				C2864	56.17	0.06	LIGNITE	Clayey, medium to dark black - brown, firm, friable, good core - unbroken.
				C2864	56.24	0.07	INFERIOR LIGNITE	Clayey, medium to dark black - brown, firm, friable, good core - unbroken.
				C	56.67	0.43	CORE LOSS	
				C2865	56.74	0.07	INFERIOR LIGNITE	Woody textured, clayey, medium to dark black - brown, firm, friable, good core - unbroken, gradational base.

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STRAT NAME	SEG NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2865	56.78	0.04	LIGNEDUS CLAY	Dark brown, firm, low plasticity (organic), good core - unbroken.
				C2865	56.80	0.02	LIGNITE	Woody textured, dark brown - black, firm, friable, good core - unbroken, fissile.
				C2865	56.84	0.04	INFERIOR LIGNITE	Clayey, medium to dark brown - black, firm, friable, good core - unbroken.
				C2865	56.88	0.04	LIGNEDUS CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken.
				C2865	56.98	0.10	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken;
							WITH COMMON CLAY WISPS	
				C2865	57.11	0.13	LIGNITE	Dark brown - black, firm, friable, good core - unbroken, fissile, gradational base.
				C2865	57.13	0.02	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken.
				C2865	57.17	0.04	INFERIOR LIGNITE	Woody textured, clayey, medium to dark brown - black, firm, friable, good core - unbroken, gradational base;
							WITH COMMON CLAY WISPS	
				C2865	57.21	0.04	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken.
				C2865	57.26	0.05	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken, fissile.
				C2865	57.29	0.03	CLAY	Medium to dark brown - grey, firm, low plasticity (clay), good core - unbroken.
				C2865	57.31	0.02	INFERIOR LIGNITE	Clayey, medium to dark brown - black, firm, friable, good core - unbroken, gradational base.
				C2865	57.34	0.03	CLAY	Medium to dark brown - grey, firm, low plasticity (clay), good core - unbroken.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2865	57.36	0.02	INFERIOR LIGNITE	Clayey, medium to dark brown, firm, friable, good core - unbroken.
				C2865	57.37	0.01	CLAY	Light to medium grey - brown, firm, high plasticity (clay), good core - unbroken.
				C2865	57.62	0.25	LIGNITE	Woody textured, clayey, dark brown - black, firm, friable, good core - unbroken, fissile, gradational base;  INCREASED FISSILITY AND SOFTNESS  TOWARDS BASE
				C2865	57.66	0.04	CLAY	Ligneous, medium to dark brown - grey, firm, low plasticity (clay), good core - unbroken.
				C2865	57.75	0.09	LIGNEOUS CLAY	Medium to dark brown, firm, high plasticity (organic), good core - unbroken, common ligneous wisps.
				C2865	57.81	0.06	INFERIOR LIGNITE	Clayey, medium to dark brown, firm, low plasticity (organic), good core - unbroken, gradational base, common woody fragments.
				C2865	57.90	0.09	CLAY	Light to medium brown - grey, firm, high plasticity (clay), good core - unbroken.
				C2865	57.96	0.06	LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2865	58.06	0.10	INFERIOR LIGNITE	Clayey, dark brown - black, firm, friable, good core - unbroken.
				C2866	58.12	0.06	LIGNEOUS CLAY	Medium to dark brown - black, firm, high plasticity (organic), good core - unbroken, abundant ligneous wisps.
				C2866	58.15	0.03	CLAY	Ligneous, medium to dark brown, firm, high plasticity (clay), good core - unbroken.
				C2866	58.24	0.09	INFERIOR LIGNITE	Clayey, medium to dark brown - black, firm, friable, good core - unbroken.
				C2866	58.36	0.12	CLAY	Medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base, abundant bioturbation.

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STRAT NAME	SEQ NO.	SEAM NAME	WORK SECT	SAMPLE NUMBER	DEPTH (m)	THICK (m)	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA
				C2866	58.44	0.08	LIGNEOUS CLAY	Medium to dark brown, firm, high plasticity (clay), good core - unbroken, gradational base, abundant ligneous wisps.
				C2866	58.62	0.18	CLAY	Light to medium grey, firm, high plasticity (clay), good core - unbroken, gradational base, occasional bioturbation. Additional features include: occasional resin aggregates.
				C2866	58.75	0.13	CLAY	Light to medium brown - grey, firm, high plasticity (clay), good core - unbroken, gradational base, abundant bioturbation.
				C2866	58.85	0.10	CLAY	Ligneous, medium to dark brown, firm, low plasticity (clay), good core - unbroken, rare bioturbation. Additional features include: abundant ligneous fragments.
				C2866	58.90	0.05	CLAY	Ligneous, medium to dark brown - grey, firm, high plasticity (clay), good core - unbroken, subfissile.
				C2866	58.98	0.08	LIGNEOUS CLAY	Medium to dark brown - black, firm, friable, good core - unbroken, common ligneous wisps.
				C2866	59.06	0.08	CLAY	Light to medium brown - grey, firm, high plasticity (clay), gradational base.
				C2866	59.14	0.08	CLAY	Light to medium brown, firm, high plasticity (clay).
				C2866	59.28	0.14	LIGNITE	Medium to dark brown, firm, friable, rare resin aggregates; CLAY WISPS OCCASIONAL
				C2866	59.36	0.08	CLAY	Light to medium brown - grey, firm, high plasticity (clay), sharp oblique base, beds dip at 45 degrees, abundant bioturbation.
				C2866	59.49	0.13	LIGNITE	Clayey, medium to dark brown - black, firm, friable.
				C2866	59.57	0.08	INFERIOR LIGNITE	Clayey, medium to dark brown - black, firm, friable.
				R	60.80	1.23	INFERIOR LIGNITE	Clayey, dark brown, firm, friable, fissile.
				R	65.50	4.70	CLAY	Ligneous, medium to dark brown, soft, low plasticity (clay); Bands include: INFERIOR LIGNITE, clayey, dark brown, firm, friable.
				R	68.40	2.90	INFERIOR LIGNITE	Clayey, dark 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
				R	68.70	0.30	CLAY	Carbonaceous, light to medium brown - grey, firm, high plasticity (clay).
				R	71.20	2.50	INFERIOR LIGNITE	Clayey, dark brown, firm, low plasticity (organic); Bands include: LIGNEOUS CLAY, medium to dark brown, firm, high plasticity (organic).
				R	72.50	1.30	CLAY	Light to medium brown - grey, firm, high plasticity (clay).
				R	76.20	3.70	CLAY	Carbonaceous, medium to dark grey - brown, firm, high plasticity (clay); Bands include: LIGNEOUS CLAY, medium to dark brown, firm, high plasticity (organic); Bands include: INFERIOR LIGNITE, clayey, dark brown, firm, low plasticity (organic).
				R	79.00	2.80	INFERIOR LIGNITE	Clayey, dark brown, firm, low plasticity (organic); Bands include: LIGNEOUS CLAY, medium to dark brown, firm, high plasticity (organic).
				R	79.47	0.47	NO RECORD	

LOG FROM 59.57 METRES INTERPRETED FROM

GEOPHYSICAL LOG. CUTTING RETURN POOR DURING ROTARY CHIP DRILLING

END OF BORE AT 79.47 m

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