ANACONDA Minerals Company

Lithology Data

0001

Top	Base	Cut	Recovered

Incorrect
ACT/015/009

Page 2 of

Hole TMX-3

CUTTINGS LOG 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
						RECEIVED JAN 19 2000 DIVISION OF OIL, GAS AND MINING
20		38.0				BOTTOM OF SURF. CASING
80		87.0	000			NO SAMPLES TAKEN
100		97.0	520			SLIGHTLY WEATHERED
		117.0	430			
		137.0	430			V LIMY, ½ WEATHERED (TAN, SOME LS.
160		157.0	430			LIMY IN SPOTS
		167.0	800			SILTY LIMESTONE W/SLST. INT.
180		187.0	430			SLIGHTLY LIMY
200			930			DK GRAY, CLAYSTONE + SS. INT.

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfield Company

Lithology Da

Core number	Top	Base	Cut	Recovered

Page 3 of

Hole TMX-3

CUTTINGS LOG 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
200						
220						
240						
		247.0	260			DK GRE[illegible] BLACK SILTY
260		257.0	260			DK BRO[illegible] DK. GRE[illegible], SILT[illegible]
280						
		287.0	260			CLAYSTONE - SHALE - DK GRAY - BR[illegible]
300		297.0	430			V.F.G. SANDY
320						
340		337.0	310			[illegible]
360						
		367.0	160	SFT		GRAY GREEN, BROWN, PYRITE NODULES TOP 10'
380						
		387.0	430			ABR. CLAYSTONE INT. OR WASHOUT
400		397.0	160	SFT		SILTY, CLAYSTONES MOTTLED GREEN, BROWN

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of Atlantic Richfield Company

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 4 of

Hole JMY-2

CUTTINGS LOG 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
405						
420						
		427.0	160			SILTY, MOTTLED GRY + BROWN!
440						
460						
		477.0	160	V.SFT		MOTTLED RED [illegible] OCC. SS. STRINGERS
480						
500						
		[illegible]	260	SFT		SILTY [illegible] BLACK
540						
		557	430			CLAYSTONE [illegible]
560						
580						
		587.0	260			DK GRAY-BLACK, SILTY
600						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of Anaconda Minerals Company

Lithology Dat

Core number	Top	Base	Cut	Recovered

Page 5 of

Hole 7A'Y-3

CUTTINGS LOG 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
600						
		617.0	630			VVFG,
620						
		637.0	430			
640						
660						
680						
		697.0	510			
		697.0	630			V.V.F.G
700						
		717.0	510			
		747.0	430			
760						
780						
800						

AMCO-35-A (7-82)

AMACO Minerals Company

Division of [illegible]

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 6 of

Hole TMX-3

CUTTINGS 106 [illegible]

Depth	Graphic Log	Base	Code	HD	Formation	Comments
800		817.0	510			
		[illegible]	430			
840						
880		[illegible]				CLAYEY, SANDY
880						
920		[illegible]	520			GREENISH CLAYEY [illegible]
			[illegible]			[illegible] CLAYEY [illegible]
960						
						[illegible]
[illegible]						[illegible] TOP OF OG ?
		[illegible]	[illegible]			[illegible] BLACK SHALE [illegible]

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of Atlantic RichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

Page________ of________

Hole [illegible]

CUTTINGS

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1040						
		[illegible]	[illegible]			SALT + PEPPER SS [illegible]
		1051 - 7" CASING				
1060						
1080		1080	000 - NO SAMPLES TAKEN			
1100						
1120						
1140		[illegible]	510			
1160						
1180						
1200						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of ...

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 8 of

Hole TMX-3

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1200						
1220						
1240						
1260						
1280						
1300						
1320						
1340						
		1350	620			LT. TAN, MASSIVE?, ARGILLIC IN PT.
1360						
		1375	510			TAN, SUGARY, TRANSITIONAL CASTLEGATE BASE?. CARB STE INTRD
1380						
1400						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCo

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 9 of

Hole TMX-3

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1400						
1420						
		1430	445			DK, HD, TR COAL @ 1385', V. CARB IN PT
1440						
1460		1460	630			
1480						
		1490	520			DK CARB STE INTBDS
1500		1500	630			
1520						
1540		1540	520			W/ STE INTBDS
1560						
1580						
1600						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of Atlantic Richfield Company

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 10 of

Hole TMX-3

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1600						
		1610	450			SCC GRNISH CLAYSTONES THRU OUT CARB TO BONEY SHALES, TR COAL @ 1605'
1620						
		1630	000	NO	SAMPLE	TAKEN
1640		1608	450			
		1612	900			
		1650	450			
1660						
1680						
1700		1700	450			SHALY IN PT, OCC COAL OR BONE TRACES
		1710	265			SLTY
						TR. COAL
1720						
1740						
		1748	450			CARB, SLTY SH [illegible]
		1752	900			
1760						
1780						
1800						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of Atlantic Richfield Co.

Lithology Dat

Core number	Top	Base	Cut	Recovered

Page 10.5 of

Hole TMX-3

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1800						
		1810	450			CARB. SLTY SHALE INTBDS
1820						
		1830	520			CARB STE INT.BDS
1840						
1860						
1880		1860	450			CARB, SANDY IN PT, TR COAL @ 1850'
1900						
		1915	630			
1920						
		1930	450			CARB SH INTBDS
1940		1940	630			
		1950	440			
1960						
		1972	630			Minor slty sh intbds
		1974	900			
1980		1980				
2000		2000	510			

AMCO-35-A (7-82)

ANACONDA Minerals Company

Division of Atlantic Richfield Company

Lithology Data

Core number	Top	Base	Cut	Recovered
1	2126	2140.2	14.2	14.2

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Hole TMX-3

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2000						
2020						
						TR. COAL
2040		2040	265			slty w/ minor sst intbds
		2050	510			
2060		2060	630			
		2075	450			
2080						
		2089	630			
		2093	900			BLIND CANYON?
2100		2100	265		SLTY	
		2101	900			
		2109	510			
		2110	900			
		2116	510			
		2117	900			
2120		2119	265			
		2126	900			
2126	→		630	CORE POINT		10/11/2 8:00 AM
		CORE #1				
2160		CORE #2				
2180						
2200						

AMCO-35-A (7-82)

ANACONDA Minerals Company

Lithology Data

Core Number	Top	Base	Cut	Recovered
CORE 7	2126.0	2140.2	14.2	14.2

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Hole TMY-3

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2125						
		TOP OF CORED INTERVAL				
26		2126.4	630	HD		OCC. SILTSTONE INT., V.F.G.
27		2127.7	632	HD		
28						
29						
2130						
31		2131.7	510	HD		SH. SLST. INT., OCC. BURROWS
32						
33						
34						
2135						

AMCO-35-A (7-82)

ANACONDA Minerals Compa

Division of Atlantic Richfield Company

Lithology Dat

Core number	Top	Base	Cut	Recovered
CORE #2	2140.2	2160.0	19.8	19.8

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Hole TM V-3

CORE LOG 1"=1

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2135						
36						
37						
38						
39						
2140						
41						
42						
43						
44						
45						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of Anaconda

Lithology Dat

Core number	Top	Base	Cut	Recovered

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Hole TMX-3

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2145						
46						
47						
48		2148.3	634	HD		F.6., ALL BREAKS ON X-BED PLANES, CARB. LAMS ON X-BED PLANES
49						
2150						
51						
52						
53						
54						
		2154.6	654	HD		
		2154.75	920	S.FT		
2155		2159.95	654	HD		

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of Atlantic Richfield Co.

Lithology Da

Core number	Top	Base	Cut	Recovered
3	2160.0	2180	20.1	20.1

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Hole TMX-3

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2155		2155.20	630			LARGE COAL SPARS
		2155.8	634			COAL SPARS, SHALE CLASTS
56						
		2156.6	634			ABDT. SH. CLASTS, 1 COAL SPAR (CHANNEL LAG DEP.)
57						
		2157.25	634			MUCH FINER GRAINED THAN ABOVE
		2157.50	265			OCC. COAL INT.
58						
59						
2160		2160.10	265			DENSE SILTY, OCC. COAL INT. SM. FOSSIL AT 2159.80
61						
62						
63		2163.15	455			V. HD W/ OCC DK SH INTERC AND CARB LAMS.
		2163.80	265	M.HD		
64		2164.00	256			
		2164.15	216			
		2164.35	930			SHALY AT TOP
2165						

AMCO-35-A (7-82)

AN CONDA Minerals Comp
Division of A unt Richfield Company

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-3

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2165		2165.20	432			MINOR COAL INCL.
66		2166.00	437			MINOR RIPPLE BED STRUCT.
67		2167.25	633			
68		2168.35	452	VHD		
69		2168.90	265			SLTY, HD
2170		2170.10	266			
71		2171.55	446			[illegible]
72		2172.00	265			
73		2173.30	265		2173.1 #3 2173.9	SILTY
74					2174.3 #2 2175.1	[illegible] STRUCT
2175		2174.90	440			

AMCO-35-A (7-82)

ANACONDA Minerals Company

Lithology Data

Core number	Top	Base	Cut	Recovered
CORE #4	2180.10	2200.05	19.95	10.95

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Hole TMX-3

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2175					2175.1	
					2175.4 #1	
76		2176.00	265		2176.0	
		2176.25	266			
		2176.85	920			MINOR CALCITE CLEAT FILL
77		2177.00	256		2176.9	
		2177.4	920		#17 #18	MINOR RESIN
		2177.72	930			
		2177.90	950			
78		2178.00	256		2178	
79		2179.05	452			MINOR RESIN
		2179.17	265			
		2179.40	256			MINOR RESIN
2180		2180.10	930			
INTERVAL #						
		2180.60	920			MINOR RESIN IN TOP HALF
		2180.67	960			
81		2181.07	920			RESIN AT TOP CONTACT
		2181.26	950			
82						
		2182.38	920			MINOR [illegible]
83		2182.95	930			
		2183.00	960			
INTERVAL #3						
		2183.54	930			
		2183.70	940			
84						
INTERVAL #4		2184.25	910			
		2184.50	930			MINOR RESIN
85		2185.00	920			

AMCO-35-A (7-82)

ANACONDA Minerals Company

Lithology Dat

Core number	Top	Base	Cut	Recovered

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Hole TMX-3

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2185 INT #4		2185.23	940			ABDT RESIN
86						
INTERVAL #5		2186.25	920			
		2186.82	910			WITH "SPIDER WEB" TEXTURE OF UNKN. SOFT MAT'L (FUSAIN PYRITE BLEB AT BASE.
87						
INTERVAL #6						
88		2188.10	920			BECOMES LESS BRT TOWARD BASE. MINOR RESIN & CAL
		2188.18	940			MOD. RESIN
89						
INTERVAL #7						
2190						
		2190.50	920			T.E. RESIN
INTERVAL #8		2190.75	950			SANDY
91		2191.00	626			← TOP OF KSF
92						
93						
94						
2195						

AMCO-35-A (7-82)

AMACO Minerals Company

Lithology Da

Core number	Top	Base	Cut	Recovered

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Hole TMX-3

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
2195						
96		2196	645			BECOMES LIGHTER TOWARD BASE, BURROWS 2194.8-219 ROOTS AT TOP CONTACT
97						
98						
99						
2200		2200.05	652			MINOR BURROWS 2197.5-2198.0
2201						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 1 of 18

Hole TMX-5

HOLE ELEV 8402' (ALTIMETER)
CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
0						
BOTTOM SURFACE CASING 20		20.0	090	SFT		BOTTOM SURFACE CASING (10")
		35.0	510	V. HD		DENSE, LIMY
40						
60						
80		80.0	160	V. SFT		SILTY, GRAY, BRN, RED, STICKY
100						
120						
140						
160		160.0	440	HD		CLAYSTONE INTERBEDS, GRAY - DK GRAY
180		180.0	440	MED.		SANDY, GRAY, BROWN,
200		200.0	510	MED		

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 2 of

Hole TM X-5

CUTTINGS LOG 10' SAMPLES 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
200						
		210.0	440	HD		
220		220.0	630	MED		TAN, SL. WEATHERED
240		240.0	265	MED.		
260						
280						
		290.0	160	SFT		V. SILTY, GRAY, BRN
300						
		310.0	260	SFT		SILTY
320						
340						
360						
380						
400		400.0	260	MED.		SILTY

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 3 of

Hole TMX-5

CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
400						
420						
440						
		450.0	510	HD		SHALY TOWARD BOTTOM
460						
480						
500						
		510.0	520			INTERBEDS OF HARD SILTSTONE, GRAY + BRN
520						
		530.0	510			
540						
		550.0	635			SILTY
560						
580						
600		600.0	510			DARK, SILTY

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

Page 4 of

Hole TMX-5

CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
600						
620		620.0	260			SILTY
		630.0	520			
640						
		650.0	310			SS. INTERBEDS "SALT + PEPPER" SANDSTONE
660		660.0	510			
680						
TOP CA. SS?		690.0	520			
700						
720						
740						
CASING PT → 760			510			TAN - BROWN
780						
800						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX - 5

CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
800						
820						
		830.0	630			TAN - BROWN
840						
860						
880		880.0	630			TAN - GRAY
900		900.0	510			GRAY
920						
940						
960						
980						
1000						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1000						
1020						
		1030.0	630			GRAY BOTTOM CASTLEGATE?
1040		1040.0	520			
		1050.0	310			
1060						
1080		1080.0	520			
1100		1100.0	630			
1120		1120.0	320			COAL INTERBEDS
1140						
1160						
		1170.0	430			W/SH. INTERBEDS
1180		1180.0	510			
1200						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CUTTINGS LOG 10' SAMPLES 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1200						
1220						
HIT WATER STARTED INJECT.		1230.0	430			SH. INT.
1240						
		1250.0	630			
1260		1260.0	510			
1280						
1300						
1320						
		1330.0	630			
1340						
1360						
1380						
		1390.0	510			
1400		1400.0	630			

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CUTTINGS LOG 'O' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
~~1400~~						
1420						
1440						
1460		1460.0	520			
1480						
		1490	310			
1500						
1520						
		1530.0	510			
1540						
		1550.0	320			
1560						
1580						
1600			310			

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CUTTINGS LOG 5' SAMPLES 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1600						
1620		1620.0	320			
		1630.0	310			
1640						
		1645.0	520			
		1650.0	265			
1660						
		1665	510			
		1675	510			ABUT. COAL INT.
1680						
		1685	265			
1700		1700.0	430			
1720						
	NO SAMPLE	1725.0	510			
		1730.0	000			
		1735.0	510			MINOR COAL
1740						
1760						
1780						
		1790.0	520			
		1795.0	900			SOME SANDSTONE
1800						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CUTTINGS LOG 5' SAMPLES 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1800						
		1810.0	520.0			SILTSTONE INT.
		1815.0	620			
1820						
			520			
CORE PT. → 1840			310			

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered
#1	1840.0	1859.5	19.5	19.5
#2	1859.5	1879.0	19.5	18.5
#3	1879.0	1898.7	19.7	19.7
#4	1898.7	1918.2	19.5	19.5

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Hole TMX-5

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1840'						
41						
42						
43		1843.00	260	HD		sli silty
		1843.20	256	HD		
44		1844.10	260	HD		sli silty
		1844.30	265	HD		
		1844.60	263			rooted zone?
45						
		1845.70	265	HD		silty, inc towards base
46						
47		1847.20	452	HD		minor ripple bedding
48						
49		1849.20	440	V. HD		w/ minor shale ripple beds.
50						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1850						
51						
52						
		1852.60	633	U.HD		carb debris
53						
54						
		1854.60	452	HD		
55						
56						
57						
58		1858.00	632			
59						
		1859.50	633	HD		
	LOST					
1860						

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1860	LOST					
		1860.5	000			
61						Jammed + badly broken by soft shale above?
62						
63						
64						
		1864.40	260	hd		
65		1865.10	452	hd		
		1865.70	266	hd		silty
66						
67						
68						
		1868.30	633			minor burrows & shale lams
69						
1870		1870.00	265			silty in top 0.7'

AMCO-35-A (7-82)

ANACONDA Minerals Company
Division of AtlanticRichfieldCompany

Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1870						
71		1871.10	256			minor fossils
		1871.50	950			
72						
73		1873.00	452	HD.		
74		1874.00	265	HD		silty
75						
76						
77						
		1877.80	270	hd		silty
78						
79						
1880						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-5

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1880						
81						
82						
83		1883.30	633	HD		minor burrows & shale lams
84						
85						
86		1886.00	265	HD		silty in top ½
87		1887.20	920			resin
		1887.70	960			with vitrinite bands
88		1888.40	260	HD		silty
89						
1890						

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Lithology Data

Core number	Top	Base	Cut	Recovered

Hole TMX-7

CUTTINGS LOG 10' SAMPLES 1"=20

Depth	Graphic Log	Base	Code	HD	Formation	Comments
0						
20						
SURF. CASING → 40		40.0	090	SFT		DAMP AT 20' SET 40' CONDUCTOR PIPE
60		60.0	160	SFT		CLAYSTONE, LT. BROWN, GRAY, RED, SILTY
		70.0	160	SFT		SANDSTONE INT., DK GRAY, BRN, RED
80		80.0	510	HD		CLAYSTONE INT., VFG, SL. WEATH.
		90.0	520	MED.		SILTY
100						
		110.0	510	HD		CLAYSTONE INT. TAN, SL. WEATH. SILTY
120		120.0	520	MED.		A.A.
140						
		150.0	410	SFT		V. CLAYEY DK. GRAY SILTY
160		160.0	310	SFT		V CLAYEY, GRAY, BRN. SILTY
		170.0	160	V.SFT		TAN, GRAY SILTY
180						
200		200.0	160	SFT		V. SILTY

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
200						
HIT WATER ≈ 5GPM →						
220		220.0	410	SFT		V. CLAYEY
240						
260						
280		280.0	160	V. SFT		SILTY, GRAY, BRN.
LITH TYPE CHANGE →		290.0	410	HD		COMPACT, NOT CLAYEY
300						
		310.0	520	HD		
320						
		330.0	410	MED		V. CLAYEY
340		340.0	160	V. SFT		
360		360.0	510	HD		
380						
400		400.0	265	MED.		SILTY

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CUTTINGS 106 10' SAMPLES 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
400						
420		420.0	510	HD		
440		440.0	520	MED		SHALE INT. V. CLAYEY, SFT
460						
480						
500						
520						
540						
560		560.0	410	MED.		CLAYEY, DK GRAY
580		580.0	510	MED.		SILTSTONE INT., SALT + PEPPER 3S.
600		600.0	520	MED		A.A.

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Lithology Data

Core number	Top	Base	Cut	Recovered

Hole TMX-7

CUTTINGS LOG 10' SAMPLES 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
600						
620						
						TOP OF Ca SOMEWHERE IN HERE
640						
660						
CASING PT. 680		680.0	630	HD		
700						
720						
740						
760						
780						
800		800.0	630	HD		TAN-BRN

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
~~800~~						
		810.0	510	HD		V.F.G. SS OR SLTE INT. (CARB.)
820						
		830.0	630	HD		
840		840.0	520	HD		VFG SS + SLTE INT (CARB).
860						
		870.0	630	HD		
880						
900		900.0	520	HD		VFG. SS + SLTE CARB. INT.
920						
940						
		950.0	630	HD		
960		960.0	310	HD		V. CARB w/ COAL INT.
		970.0	520	HD		
980		980.0	510	HD		
1000						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CUTTINGS INC. 10' SAMPLES 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1000						
		1010	520	HD		
1020						
		1030	510	HD		
1040						
1060		310 1060.0	310	MED		SOME COAL INT.
		1070.0	510	HD		
1080						
1100						
		1110.0	320	MED.		COAL INT. 1100-1110
1120						
1140						
		1150.0	510	HD		
1160						
1180		1180.0	520	HD		
		1190.0	310	MED		COAL INT.
1200		1200.0	510			

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Lithology Data

Core number	Top	Base	Cut	Recovered

Hole TMX-7

CUTTINGS LOG 10' SAMPLES 1" = 20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1200						
		1210.0	520			
1220		1220.0	510			
1240		1240.0	510			COAL INTERBEDS
1260						
		1270.0	510			
1280		1280.0	510			COAL INTERBEDS
		1290.0	320			COAL INTERBEDS
1300						
		1310.0	510			
1320						
		1330.0	320			COAL INTERBEDS
1340						
1360						
		1370.0	510			
1380		1380.0	520			COAL INTERBEDS
1400						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CUTTINGS LOG 10' SAMPLES TO 1500
5' SAMPLES 1500+ 1"=20'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1400						
1420		1420.0	510	HD		
1440		1440.0	630	HD		
1460		1460.0	510	HD		
		1480.0	520	HD		COAL AT 1469
1480						
1500						
		1510.0	510	HD		
		1515.0	630	HD		
1520						
1540						
1560						
1580						
1600						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1600						
		1615.0	520	HD		OCC. COAL INT.
1620						
1640						
		1645.0	410	V. HD		SL. COALY AT BOTTOM
1660						
		1665.0	510	HD		SHALLER TOWARD BOTTOM
		1670.0	265	HD		COALY, SILTY
1680		1680.0	410	HD		
		1695.0	520	HD		
1700		1700.0	410	V. HD		LARGE COAL PIECES, SOME RESIN
		1705.0	510	V. HD		COALY
1720						
		1730.0	510	V. HD		SUGARY SAND, COARSENING DOWNWARD
CORE PT. 1738 APPROX.						
1740		1738.0	410	EX. HD		

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Lithology Data

Core number	Top	Base	Cut	Recovered
1	1738.0	1757.6	20.5	20.4
2	1757.6	1777.25	19.65	19.65
3	1777.25	1796.85	19.60	19.60
4	1796.85	1816.75	19.90	19.80
5	1816.75	1836.75	20.0	20.0

1777.25
19.60
1796.85
19.60
1816.65

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Hole TMIX-7

1837
1796

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1738						
1739		1739.1	435	EX.HD		V. LIMY, PLANT FOSSILS, SLIGHTLY SIDERITIC
		1739.3	426	HD		SHALY, OCC. RESIN
1740		1740.0	435	HD		
		1741.5	268	HD		
		1741.3	265	HD		
1741		1740.9	265	SFT		COAL INT., SLICKS, SOFT BOTTOM
		1741.5	222	VSFT		V. PLATY, SLICKENSIDED, LAMINATED
1742						
		1742.6	170	SFT		HARD BUT CRUMBLY, LIMY
1743						
1744		1743.9	433	MED		SIDERITIC NODULES, V. LIMY,
		1744.85	440	VHD		RIPPLE BEDDED
1745						
1746						
1747						
		1747.20	513	V. HD		
1748						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CORE LOG 1" = 1'

Depth	Base	Code	HD	Formation	Comments
1748					
1749					
	1749.80	635	V. HD		X-BEDDED, BURROWED, COARSENS DOWNWARD
1750	1749.95	265	SFT		PLATY, SLICKENSIDED
1751					
	1751.20	175	V. HD		LIMY, ROOTED
1752					
1753					
1754	1754.10	455	EX. HD		ROOTED AT BOTTOM
	1754.60	256	MED.		ABDT COAL INT. + RESIN
1755	1755.15	266	MED.		BURROWED
1756					
1757					
BOTT. CORE #1 →	1757.60	510	EX. HD		V.F.G. SS
1758					

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Lithology Data

Core number	Top	Base	Cut	Recovered

Hole TMX-7

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1758						
1759				V.HD		
1760						
		1760.8	510	V.HD		
1761		1761.1	266			ABDT. COAL AT TOP
		1761.8	265			COAL INT.
1762		1762.2	950	MED		RESINOUS, SHALIER BOTTOM
1763						
1764		1764.0	445	V.HD		ROOTED
		1764.6	510	V.HD		MASSIVE
1765		1765.2		V.HD		SILTY
1766						
1767						
1768						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1768						
1769		1769.0	430	~~EX.HD~~		
1770						
1771						
1772						
1773						
1774		1774.0	316	EX.HD.		BURROWED, ROOTED
1775						
1776						
1777						
		1777.3	447	~~EX.HD~~		
		1777.8	225			
1778						

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Lithology Data

Core number	Top	Base	Cut	Recovered

Hole TMX-7

CORE LOG 1" = 10'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1778						
1779		1779.2	265	V. HD		SILTY
1780						
1781						
1782						
		1782.7	513	V. HD.		
		1782.9	222	SFT		
1783						
		1783.6	950	~~MED.~~		OCC. RESIN
		1783.8	266			
1784						
1785						
		1785.7	313	V. HD.		
1786						
		1786.3	265	hd		silty
		1786.5	266	hd		
1787						brownish color.
1788						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CORE LOG 1" = 10'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1788						
1789						
1790						
1791						
1792						
1793						
1794						
1795						
1796						
1797						
1798						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CORE 106 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1798		1798.35	637	VHD		occ shaly lams, minor ripple beds & roots
1799						
1800						
1801		1801.10	633			
		1801.90	634			
1802		1802.45	532			SHARP CONTACT, FEW COAL SPARS @ 1802.3
		1802.65	920			
1803		1803.00	960			w/ minor pyrite lenses
BAG #1						
1804		1804.15	920			
BAG # 2		1804.65	266			
1805		1805.45	930			mod. resin, small shale inclusion at 1805.0
1806						
BAG #3						
1807		1807.25	920			minor resin
		1807.60	920			mod. resin
1808						

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Lithology Data

Core number	Top	Base	Cut	Recovered

Hole TMX-7

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1808						
1809						
BAG # 4						
1810						
1817						
		1811.30	920			minor resin
1812						
		1812.50	920			v. tld. no cleat or fract.
1813						
						BADLY BROKEN - JAMMED IN BARREL
1814						
BAG # 5						
1815						
		1815.35	920			minor calcite on "grainy" cleat & in fractures
		1815.80	980			minor resin.
1816						
BAG # 6						BADLY BROKEN
		1816.75	920			minor resin
1817						
		1817.10	256			silty
		1817.35	265			silty
		1817.70	130		v. sft.	
1818						

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1818						
		1818.90	310			
1819						
1820						
		1820.60	442	V.HD		
1821						
1822						
		1822.55	265	HD		silty
1823		1823.00	626	HD.		TOP OF KSP
1824						
1825						
1826						
1827						
1828		1828.0	632			

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Lithology Data

Core number	Top	Base	Cut	Recovered

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Hole TMX-7

CORE LOG 1" = 1'

Depth	Graphic Log	Base	Code	HD	Formation	Comments
1828						
1829						
1830						
1831						
1832						
1833						
1834						
1835						
1836						
		1836.75	633			TD CORE
						TD HOLE 1844'

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