

COAL CHEMISTRY AND COAL QUALITY
DATA FROM DRILLING PROGRAMS
IN THE PLAINS AREA OF ALBERTA
1974-1980
REPORT 1982-3

Although considerable care has been taken in editing the computer file containing these data, errors or omissions may still be present. The original analyses results are stored in the well files of the Coal Geology Group, Geological Survey Department.

The coal zone from which the coal sample was taken, was determined by using existing cross-sections from Alberta Research Council reports. Correlation in these cross-sections as well as correlations of testholes not included in the cross-sections were made with care. However, errors in these correlations may exist.

ANALYSIS NUMBER: E74-4456-1

YEAR: 1974

TESTHOLE: 1

LOCATION (LSD, SEC, TP, RG, MER): 16 S 32 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 385.00 - 390.00

DEPTH (METRES): 117.3 - 118.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.40			
ASH	22.70	24.3		
VOLATILE MATTER				
FIXED CARBON				
HEATING VALUE				
BTU/LB	9351	9890		13186

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.90	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-2

YEAR: 1974

TESTHOLE: 1

LOCATION (LSD, SEC, TP, RG, MER): 16 8 32 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 400.00 - 415.00

DEPTH (METRES): 121.9 - 126.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.50			
ASH	15.50	15.5		
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE				
BTU/LB	10233	11051		13298

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				1.78

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-3

YEAR: 1974

TESTHOLE: 4

LOCATION (LSD, SEC, TP, RG, MER): 12 15 35 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 525.00 - 550.00

DEPTH (METRES): 160.3 - 168.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH				
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE				
BTU/LB	11122	11122		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.38

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-4

YEAR: 1974

TESTHOLE: 5

LOCATION (LSD, SEC, TP, RG, MER): 1 18 33 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 560.00 - 575.00

DEPTH (METRES): 170.7 - 175.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.00			
ASH	18.80	20.9		
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE				
BTU/LB	8735	10355		13082

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.80

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-5

YEAR: 1974

TESTHOLE: 6

LOCATION (LSD, SEC, TP, RG, MER): 13 10 33 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 830.00 - 845.00

DEPTH (METRES): 253.0 - 257.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	24.50	28.1		
VOLATILE MATTER	28.50	28.1		
FIXED CARBON	43.30	45.8		

HEATING VALUE				
BTU/LB	9255	9805		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.84

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-6

YEAR: 1974

TESTHOLE: 8

LOCATION (LSD, SEC, TP, RC, MER): 13 9 34 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 901.00 - 908.00

DEPTH (METRES): 274.6 - 276.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.10			
ASH	22.30	22.5		
VOLATILE MATTER	27.50	28.1		38.0
FIXED CARBON	48.00	47.4		51.8
HEATING VALUE				
BTU/LB	9828	10148		13281

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.37

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-7

YEAR: 1974

TESTHOLE: 10

LOCATION (LSD, SEC, TP, RC, MER): 8 27 35 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 718.00 - 742.00

DEPTH (METRES): 218.9 - 228.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.70			
ASH	15.50	15.8		
VOLATILE MATTER	30.50	32.7		38.2
FIXED CARBON	47.30	50.7		50.7
HEATING VALUE				
BTU/LB	10155	10886		13067

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.48

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-8

YEAR: 1974

TESTHOLE: 11

LOCATION (LSD, SEC, TP, RG, MER): 2 28 36 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 790.00 - 814.00

DEPTH (METRES): 240.8 - 248.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	25.40	28.1		
VOLATILE MATTER	27.80	28.3		
FIXED CARBON	40.10	42.6		

HEATING VALUE

BTU/LB	8487	8987		
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.31

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7002-74

YEAR: 1974

TESTHOLE: 11

LOCATION (LSD, SEC, TP, RG, MER): 2 28 36 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 790.00 - 814.00

DEPTH (METRES): 240.8 - 248.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		14.2		
VOLATILE MATTER		31.0		36.1
FIXED CARBON		54.8		53.8

HEATING VALUE

BTU/LB		10990		12808
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
55.50	4.00		.40	

EQUILIBRIUM MOISTURE: 14.80

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4483-14

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 36 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 552.50 - 553.50

DEPTH (METRES): 168.4 - 168.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.20		10.50	
ASH	59.90	52.9		52.50
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-15

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 36 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 553.50 - 555.30

DEPTH (METRES): 168.7 - 169.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.50		19.00	
ASH	23.50	25.7	20.50	
VOLATILE MATTER	27.00	28.5	23.50	
FIXED CARBON	41.00	44.5	35.50	

HEATING VALUE
BTU/LB

8734 9545 7731

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.55

EQUILIBRIUM MOISTURE: 15.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-16

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 38 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 562.60 - 584.60

DEPTH (METRES): 171.5 - 172.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.30		19.40	
ASH	15.60	17.0	13.70	
VOLATILE MATTER	30.30	33.0	28.60	38.7
FIXED CARBON	45.60	50.0	40.30	60.2
HEATING VALUE				
BTU/LB	9394	10244	8257	12342

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.25

EQUILIBRIUM MOISTURE: 13.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-17

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 38 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 564.60 - 586.60

DEPTH (METRES): 172.1 - 172.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.60		15.60	
ASH	64.60	66.8	74.60	
VOLATILE MATTER				
FIXED CARBON				
HEATING VALUE				
BTU/LB				

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-18

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 36 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 557.00 - 558.00

DEPTH (METRES): 172.8 - 172.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.70		23.10	
ASH	28.00	21.1	23.00	
VOLATILE MATTER	24.40	25.1	20.10	
FIXED CARBON	38.90	42.8	32.90	

HEATING VALUE

BTU/LB	8086	8657	8886	
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.33	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-18

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 36 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 558.00 - 559.00

DEPTH (METRES): 173.1 - 173.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.20		20.80	
ASH	8.80	10.3	8.20	
VOLATILE MATTER	28.80	21.1	24.80	34.6
FIXED CARBON	54.40	58.8	45.40	55.2

HEATING VALUE

BTU/LB	10728	11560	9188	12887
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
69.55	3.95	1.15	.34	14.72

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-20

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 36 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 569.00 - 570.00

DEPTH (METRES): 173.4 - 173.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.80		17.60	
ASH	18.20	19.5	18.10	
VOLATILE MATTER	28.80	30.9	25.40	38.3
FIXED CARBON	45.30	49.5	40.90	61.8
HEATING VALUE				
BTU/LB	9832	10527	8874	13077

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.45

EQUILIBRIUM MOISTURE: 12.30

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4463-21

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 36 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 570.00 - 571.00

DEPTH (METRES): 173.7 - 174.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80		19.20	
ASH	55.80	59.3	55.00	
VOLATILE MATTER	14.80	15.5	12.80	
FIXED CARBON	14.40	15.2	12.30	
HEATING VALUE				
BTU/LB	3360	3577	2890	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.22

EQUILIBRIUM MOISTURE: 14.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7008-74

YEAR: 1974

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 15 22 36 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 568.00 - 570.00

DEPTH (METRES): 173.4 - 173.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		18.4		
VOLATILE MATTER		22.4		38.7
FIXED CARBON		48.2		60.2
HEATING VALUE				
BTU/LB		10780		13185

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
62.20	3.80		.60	

EQUILIBRIUM MOISTURE: 15.70

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-6458-8

YEAR: 1974

TESTHOLE: 13

LOCATION (LSD, SEC, TP, RG, MER): 4 22 36 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 572.00 - 584.00

DEPTH (METRES): 174.3 - 178.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.30			
ASH	35.80	39.7		
VOLATILE MATTER	30.80	32.2		
FIXED CARBON	28.10	27.1		
HEATING VALUE				
BTU/LB	8847	7386		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.30	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-10

YEAR: 1974

TESTHOLE: 15

LOCATION (LSD, SEC, TP, RG, MER): 4 13 37 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 745.00 - 752.00

DEPTH (METRES): 227.1 - 228.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.40			
ASH	17.00	18.4		
VOLATILE MATTER	30.10	32.5		38.8
FIXED CARBON	45.50	49.1		50.1
HEATING VALUE				
BTU/LB	9704	10479		12841

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-11

YEAR: 1974

TESTHOLE: 17

LOCATION (LSD, SEC, TP, RG, MER): 14 10 25 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 820.00 - 830.00

DEPTH (METRES): 250.0 - 253.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.00			
ASH	14.20	15.1		
VOLATILE MATTER	34.00	36.2		42.5
FIXED CARBON	45.80	48.7		57.3
HEATING VALUE				
BTU/LB	10292	10848		12895

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.27

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-12

YEAR: 1974

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 13 23 38 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 406.00 - 418.00

DEPTH (METRES): 123.7 - 126.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.10			
ASH	17.00	18.5		
VOLATILE MATTER	28.10	31.7		38.8
FIXED CARBON	45.80	49.5		61.1
HEATING VALUE BTU/LB	9549	10390		12748

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.32

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-22

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 38 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 806.00 - 807.00

DEPTH (METRES): 184.7 - 188.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	34.00		14.00	
ASH	87.80	80.3	78.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-23

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 28 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 807.00 - 808.00

DEPTH (METRES): 185.0 - 185.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80		15.40	
ASH	41.80	44.3	34.50	
VOLATILE MATTER	19.80	21.0	17.80	
FIXED CARBON	32.80	34.7	29.30	

HEATING VALUE

BTU/LB	8444	8826	5776
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.52

EQUILIBRIUM MOISTURE: 12.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-24

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 28 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 808.00 - 809.00

DEPTH (METRES): 185.3 - 185.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.40		16.20	
ASH	64.60	67.8	57.30	
VOLATILE MATTER	14.10	14.7	12.50	
FIXED CARBON	18.90	17.7	15.00	

HEATING VALUE

BTU/LB	3384	3519	2884
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.55

EQUILIBRIUM MOISTURE: 11.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-25

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RC, MER): 1 21 39 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 809.00 - 810.00

DEPTH (METRES): 185.6 - 185.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40		17.60	
ASH	85.80	68.2	87.20	
VOLATILE MATTER	15.00	15.8	12.10	
FIXED CARBON	14.10	14.8	12.30	
HEATING VALUE BTU/LB	2808	2868	2452	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

.20

EQUILIBRIUM MOISTURE: 14.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-26

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RC, MER): 1 21 39 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 810.00 - 811.00

DEPTH (METRES): 185.9 - 188.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20		15.10	
ASH	12.70	12.5	11.30	
VOLATILE MATTER	28.20	30.1	25.30	34.7
FIXED CARBON	52.80	58.4	47.30	55.2
HEATING VALUE BTU/LB	10463	11154	9258	12864

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

.45

EQUILIBRIUM MOISTURE: 14.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-27

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 811.00 - 812.00

DEPTH (METRES): 186.2 - 186.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.70		16.50	
ASH	8.80	9.4	7.80	
VOLATILE MATTER	31.10	33.4	27.90	36.8
FIXED CARBON	53.40	57.2	47.60	53.1
HEATING VALUE				
BTU/LB	10933	11718	9784	12933

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
89.84	4.24	.81	.30	15.88

EQUILIBRIUM MOISTURE: 14.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-28

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 812.00 - 813.00

DEPTH (METRES): 186.5 - 186.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.50		17.90	
ASH	8.80	9.2	7.80	
VOLATILE MATTER	31.30	33.5	27.50	36.8
FIXED CARBON	53.80	57.3	47.00	53.1
HEATING VALUE				
BTU/LB	11018	11782	9872	12976

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
		.30		

EQUILIBRIUM MOISTURE: 13.60

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4463-29

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 812.00 - 814.00

DEPTH (METRES): 186.8 - 187.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20		16.30	
ASH	21.80	23.3	19.10	
VOLATILE MATTER	30.80	32.5	25.80	42.5
FIXED CARBON	41.40	44.1	35.00	57.4

HEATING VALUE

BTU/LB	8203	8611	8015	12781
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.23

EQUILIBRIUM MOISTURE: 12.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-30

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 814.00 - 815.00

DEPTH (METRES): 187.1 - 187.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70		16.30	
ASH	15.00	17.2	14.40	
VOLATILE MATTER	27.80	28.8	25.10	38.1
FIXED CARBON	49.40	52.8	44.30	53.6

HEATING VALUE

BTU/LB	10050	10782	9035	13021
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.32

EQUILIBRIUM MOISTURE: 13.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-31

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 38 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 815.00 - 816.00

DEPTH (METRES): 187.5 - 187.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80		15.30	
ASH	77.20	83.2	70.50	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-32

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 38 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 818.00 - 817.00

DEPTH (METRES): 187.8 - 188.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.20		23.70	
ASH	86.30	91.9	70.10	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-33

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC. TP, RC, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 817.00 - 818.00

DEPTH (METRES): 198.1 - 198.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.10		15.20	
ASH	54.50	52.1	47.50	
VOLATILE MATTER	15.50	17.8	14.70	
FIXED CARBON	22.50	24.0	19.50	
HEATING VALUE				
BTU/LB	4550	4645	3954	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.19

EQUILIBRIUM MOISTURE: 11.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-34

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC. TP, RC, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 818.00 - 819.00

DEPTH (METRES): 198.4 - 198.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.00		20.00	
ASH	43.50	45.8	37.40	
VOLATILE MATTER	27.00	28.0	22.20	
FIXED CARBON	22.50	24.2	19.40	
HEATING VALUE				
BTU/LB	5774	5209	4957	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.25

EQUILIBRIUM MOISTURE: 15.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-35

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 38 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 818.00 - 820.00

DEPTH (METRES): 188.7 - 188.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.10		15.80	
ASH	15.50	18.5	13.90	
VOLATILE MATTER	28.20	30.0	25.30	35.8
FIXED CARBON	50.20	53.5	45.20	54.0
HEATING VALUE BTU/LB	10089	10723	8080	12841

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.34

EQUILIBRIUM MOISTURE: 12.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-36

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 38 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 820.00 - 821.00

DEPTH (METRES): 188.0 - 188.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.80		18.20	
ASH	18.70	20.1	15.80	
VOLATILE MATTER	31.10	33.4	28.00	41.8
FIXED CARBON	43.30	46.5	39.00	58.1
HEATING VALUE BTU/LB	8887	10297	8628	12887

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.25

EQUILIBRIUM MOISTURE: 13.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-27

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RC, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 821.00 - 822.00

DEPTH (METRES): 189.3 - 189.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	33.20	35.5	20.50	
VOLATILE MATTER	22.50	24.1	28.20	
FIXED CARBON	37.80	40.4	18.20	32.10

HEATING VALUE
BTU/LB

7578

8096

8436

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.19

EQUILIBRIUM MOISTURE: 16.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-28

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RC, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 822.00 - 823.00

DEPTH (METRES): 189.9 - 189.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.00		22.00	
ASH	29.40	31.5	24.00	
VOLATILE MATTER	27.10	28.1	22.70	
FIXED CARBON	36.50	38.3	30.70	

HEATING VALUE
BTU/LB

8048

8854

8750

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.22

EQUILIBRIUM MOISTURE: 14.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-39

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 623.00 - 624.00

DEPTH (METRES): 189.9 - 190.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			13.30
ASH	80.30	83.5		72.40
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7009-74

YEAR: 1974

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 1 21 39 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 612.00 - 613.00

DEPTH (METRES): 186.5 - 188.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		8.7		
VOLATILE MATTER		33.0		36.5
FIXED CARBON		57.3		53.4

HEATING VALUE
BTU/LB

11800

13067

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
69.60 4.00 .20

EQUILIBRIUM MOISTURE: 18.10

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-6488-12

YEAR: 1974

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 39 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 292.00 - 304.00

DEPTH (METRES): 89.0 - 92.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	31.00	32.7		
VOLATILE MATTER	27.50	29.1		
FIXED CARBON	38.20	38.2		

HEATING VALUE

BTU/LB	8104	8558		
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.35

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-6488-14

YEAR: 1974

TESTHOLE: 22

LOCATION (LSD, SEC, TP, RG, MER): 15 14 38 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 680.00 - 700.00

DEPTH (METRES): 207.3 - 213.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.50			
ASH	17.50	18.8		
VOLATILE MATTER	28.30	30.3		
FIXED CARBON	47.50	50.9		27.3

HEATING VALUE

BTU/LB	9440	10107		12447
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				1.41

EQUILIBRIUM MOISTURE: 12.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4466-15

YEAR: 1974

TESTHOLE: 23

LOCATION (LSD, SEC, TP, RG, MER): 1 29 40 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 825.00 - 850.00

DEPTH (METRES): 251.5 - 259.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20			
ASH	23.70	24.7		
VOLATILE MATTER	29.80	30.9		41.0
FIXED CARBON	42.80	44.4		58.9

HEATING VALUE				
BTU/LB	9559	9977		13249

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.36		

EQUILIBRIUM MOISTURE: 9.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4466-16

YEAR: 1974

TESTHOLE: 24

LOCATION (LSD, SEC, TP, RG, MER): 15 21 40 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 515.00 - 540.00

DEPTH (METRES): 157.0 - 164.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80			
ASH	25.40	26.7		
VOLATILE MATTER	27.70	29.1		
FIXED CARBON	42.10	44.2		

HEATING VALUE				
BTU/LB	9100	9559		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.36		

EQUILIBRIUM MOISTURE: 11.70

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7003-74

YEAR: 1974

TESTHOLE: 24

LOCATION (LSD, SEC, TP, RG, MER): 15 21 40 28 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 515.00 - 540.00

DEPTH (METRES): 157.0 - 164.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		16.7		
VOLATILE MATTER		30.3		26.3
FIXED CARBON		52.0		52.6
HEATING VALUE				
BTU/LB		10880		13061

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
63.20	3.60		.40	

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4458-17

YEAR: 1974

TESTHOLE: 25

LOCATION (LSD, SEC, TP, RG, MER): 5 16 40 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 595.00 - 595.00

DEPTH (METRES): 181.4 - 181.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	22.00	23.3		
VOLATILE MATTER	28.70	30.4		26.6
FIXED CARBON	43.50	46.3		50.3
HEATING VALUE				
BTU/LB	9085	8817		12638

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.32	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-18

YEAR: 1974

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 4 28 41 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 805.00 - 830.00

DEPTH (METRES): 245.4 - 253.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	18.30	19.3		
VOLATILE MATTER	28.70	31.4		38.9
FIXED CARBON	45.80	49.3		51.0
HEATING VALUE				
BTU/LB	8888	10570		13087

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.51

EQUILIBRIUM MOISTURE: 11.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-18

YEAR: 1974

TESTHOLE: 29

LOCATION (LSD, SEC, TP, RG, MER): 8 28 42 26 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 485.00 - 480.00

DEPTH (METRES): 141.7 - 146.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.10			
ASH	29.80	31.1		
VOLATILE MATTER	26.80	28.2		
FIXED CARBON	38.80	40.7		
HEATING VALUE				
BTU/LB	8448	8902		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.48

EQUILIBRIUM MOISTURE: 13.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4481-20

YEAR: 1974

TESTHOLE: 30

LOCATION (LSD, SEC, TP, RC, MER): 13 21 42 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 350.00 - 370.00

DEPTH (METRES): 106.7 - 112.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70			
ASH	21.30	22.6		
VOLATILE MATTER	30.80	32.7		42.2
FIXED CARBON	42.20	44.7		57.7

HEATING VALUE
BTU/LB

9536

10112

13064

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.54

EQUILIBRIUM MOISTURE: 14.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4480-21

YEAR: 1974

TESTHOLE: 32

LOCATION (LSD, SEC, TP, RC, MER): 13 11 43 1 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 370.00 - 377.00

DEPTH (METRES): 285.2 - 287.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH				
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

8933

8933

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.77

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4488-22

YEAR: 1974

TESTHOLE: 33

LOCATION (LSD, SEC, TP, RG, MER): 5 22 43 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 455.00 - 485.00

DEPTH (METRES): 138.7 - 141.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	17.10	18.2		
VOLATILE MATTER	31.40	33.3		40.7
FIXED CARBON	45.70	45.5		59.2

HEATING VALUE				
BTU/LB	10088	10720		13105

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.74	

EQUILIBRIUM MOISTURE: 13.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-85

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 598.00 - 599.00

DEPTH (METRES): 212.8 - 213.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	55.80	62.8	18.10	
VOLATILE MATTER	15.00	15.0	51.50	
FIXED CARBON	19.70	21.1	13.10	

HEATING VALUE				
BTU/LB	3887	4264		3482

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.16	

EQUILIBRIUM MOISTURE: 12.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-88

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RC, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 698.00 - 700.00

DEPTH (METRES): 213.1 - 213.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH	40.80	43.7	17.30	38.10
VOLATILE MATTER	21.00	22.6	18.70	27.80
FIXED CARBON	31.30	33.7		
HEATING VALUE				
BTU/LB	8445	8840	8739	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.28

EQUILIBRIUM MOISTURE: 12.80

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4483-87

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RC, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 700.00 - 701.00

DEPTH (METRES): 213.4 - 213.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.80			
ASH	32.40	35.2	17.30	28.10
VOLATILE MATTER	22.80	24.7	20.60	33.20
FIXED CARBON	35.80	40.1		
HEATING VALUE				
BTU/LB	7706	8367	8818	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.28

EQUILIBRIUM MOISTURE: 13.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4482-88

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 701.00 - 702.00

DEPTH (METRES): 213.7 - 214.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.70		24.80	
ASH	75.30	81.8		81.80
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-88

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 702.00 - 703.00

DEPTH (METRES): 214.0 - 214.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.50		15.70	
ASH	25.20	27.2		22.80
VOLATILE MATTER	24.10	25.1		22.00
FIXED CARBON	43.20	45.7		39.40

HEATING VALUE
BTU/LB

8780 8482 8002

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.27

EQUILIBRIUM MOISTURE: 15.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-90

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 703.00 - 704.00

DEPTH (METRES): 214.3 - 214.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80			12.80
ASH	84.70	55.0		58.40
VOLATILE MATTER	15.00	15.7		13.70
FIXED CARBON	15.50	15.3		14.30
HEATING VALUE				
BTU/LB	3483	3837		3178

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.15

EQUILIBRIUM MOISTURE: 11.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-91

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 704.00 - 705.00

DEPTH (METRES): 214.6 - 214.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.50			15.20
ASH	30.80	33.3		28.20
VOLATILE MATTER	27.00	29.8		25.30
FIXED CARBON	34.10	35.9		31.30
HEATING VALUE				
BTU/LB	7823	8457		7172

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.38

EQUILIBRIUM MOISTURE: 13.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-82

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 705.00 - 706.00

DEPTH (METRES): 214.9 - 215.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.00		13.50	
ASH	41.20	44.8	35.00	
VOLATILE MATTER	23.80	25.9	20.80	
FIXED CARBON	27.00	29.3	23.80	

HEATING VALUE				
BTU/LB	8424	8983	8514	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.38

EQUILIBRIUM MOISTURE: 13.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-83

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 706.00 - 707.00

DEPTH (METRES): 215.2 - 215.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.90		20.00	
ASH	18.10	17.5	14.00	
VOLATILE MATTER	28.20	30.5	24.50	37.0
FIXED CARBON	47.80	51.9	41.50	62.9

HEATING VALUE				
BTU/LB	10017	10875	8701	13183

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.26

EQUILIBRIUM MOISTURE: 12.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-94

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RE, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 707.00 - 708.00

DEPTH (METRES): 215.5 - 215.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.80		18.70	
ASH	17.40	18.8	15.70	
VOLATILE MATTER	31.20	33.7	28.10	41.8
FIXED CARBON	43.80	47.8	38.80	58.6
HEATING VALUE				
BTU/LB	8777	10870	8804	13017

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
81.32	4.19	.94	.37	14.96

EQUILIBRIUM MOISTURE: 13.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-95

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RE, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 708.00 - 709.00

DEPTH (METRES): 215.8 - 216.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.40		21.00	
ASH	40.80	44.8	35.20	
VOLATILE MATTER	21.80	23.8	18.80	
FIXED CARBON	28.20	31.8	25.20	
HEATING VALUE				
BTU/LB	8147	8711	8302	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.20	

EQUILIBRIUM MOISTURE: 18.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-100

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 712.00 - 713.00

DEPTH (METRES): 217.0 - 217.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.30		18.50	
ASH	8.70	8.5	7.90	
VOLATILE MATTER	33.30	35.3	30.30	40.1
FIXED CARBON	48.70	54.2	45.30	58.8
HEATING VALUE				
BTU/LB	10818	11785	8848	13033

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.17	

EQUILIBRIUM MOISTURE: 14.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-101

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 713.00 - 714.00

DEPTH (METRES): 217.3 - 217.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.00		14.30	
ASH	88.30	81.0	78.00	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-102

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 820.00 - 821.00

DEPTH (METRES): 250.0 - 250.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.20		8.90	
ASH	89.80	82.7	84.30	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-103

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 821.00 - 822.00

DEPTH (METRES): 250.3 - 250.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40		15.50	
ASH	78.30	82.8	89.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-86

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 708.00 - 710.00

DEPTH (METRES): 216.1 - 218.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.20		23.70	
ASH	59.90	66.0	50.40	
VOLATILE MATTER	14.40	15.8	12.00	
FIXED CARBON	18.50	18.2	13.90	

HEATING VALUE

BTU/LB	3295	3630	2769	
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.23

EQUILIBRIUM MOISTURE: 18.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-87

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 710.00 - 710.50

DEPTH (METRES): 216.4 - 218.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.10		15.50	
ASH	21.20	22.8	18.20	
VOLATILE MATTER	27.70	28.8	25.10	35.6
FIXED CARBON	44.00	47.4	39.90	61.3

HEATING VALUE

BTU/LB	8403	10121	8522	12110
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.52

EQUILIBRIUM MOISTURE: 14.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-88

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RD, MER): 13 21 48 1 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 710.50 - 711.00

DEPTH (METRES): 216.6 - 216.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.80		25.70	
ASH	78.70	85.2	53.30	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-89

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RD, MER): 13 21 48 1 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 711.00 - 712.00

DEPTH (METRES): 216.7 - 217.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.10		18.50	
ASH	8.00	8.7	7.20	
VOLATILE MATTER	31.30	34.1	26.40	37.3
FIXED CARBON	52.60	57.2	47.00	52.6

HEATING VALUE
BTU/LB

10940	11804	8904	13038
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ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.23

EQUILIBRIUM MOISTURE: 14.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-104

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 822.00 - 823.00

DEPTH (METRES): 250.8 - 250.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.40		17.10	
ASH	34.10	37.2	30.80	
VOLATILE MATTER	21.80	23.8	18.60	
FIXED CARBON	35.80	38.2	32.50	

HEATING VALUE

BTU/LB	7222	7884	8538	
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.31	

EQUILIBRIUM MOISTURE: 14.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-105

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 823.00 - 824.00

DEPTH (METRES): 250.9 - 251.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.50		17.40	
ASH	9.80	10.8	8.80	
VOLATILE MATTER	34.40	37.2	30.70	41.8
FIXED CARBON	48.30	52.2	43.10	58.3

HEATING VALUE

BTU/LB	10788	11884	9834	13046
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
88.87	3.91	.98	.31	18.88

EQUILIBRIUM MOISTURE: 14.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-106

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 46 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 824.00 - 825.00

DEPTH (METRES): 251.2 - 251.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30		15.70	
ASH	42.80	45.4	38.30	
VOLATILE MATTER	21.10	22.8	19.00	
FIXED CARBON	30.10	32.1	27.00	
HEATING VALUE BTU/LB	8484	8888	8615	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.34	

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-107

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 46 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 825.00 - 826.00

DEPTH (METRES): 251.5 - 251.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70		18.10	
ASH	42.70	45.8	37.50	
VOLATILE MATTER	21.40	22.8	19.80	
FIXED CARBON	29.20	31.3	25.50	
HEATING VALUE BTU/LB	8230	8577	8468	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.36	

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-108

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 826.00 - 827.00

DEPTH (METRES): 251.8 - 252.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.80		14.20	
ASH	8.20	8.8	7.80	
VOLATILE MATTER	34.30	37.1	31.80	40.7
FIXED CARBON	48.90	54.0	48.40	58.2
HEATING VALUE				
BTU/LB	11048	11857	10258	13125

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE: 13.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-108

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 827.00 - 827.50

DEPTH (METRES): 252.1 - 252.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.70		14.00	
ASH	42.70	45.8	38.40	
VOLATILE MATTER	21.70	23.2	20.00	
FIXED CARBON	28.90	31.0	28.80	
HEATING VALUE				
BTU/LB	8302	8754	8808	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE: 12.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 274-4483-110

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 827.80 - 828.00

DEPTH (METRES): 252.2 - 252.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.00		13.50	
ASH	88.30	82.1	78.50	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7010-74

YEAR: 1974

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 45 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 898.00 - 900.00

DEPTH (METRES): 213.1 - 213.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		41.0		
VOLATILE MATTER		22.8		
FIXED CARBON		36.1		

HEATING VALUE
BTU/LB 7480

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
44.80 2.70 .30

EQUILIBRIUM MOISTURE: 14.80

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4450-23

YEAR: 1974

TESTHOLE: 38

LOCATION (LSD, SEC, TP, RC, MER): 8 24 45 28 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 400.00 - 405.00

DEPTH (METRES): 121.9 - 123.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	18.50	19.7		
VOLATILE MATTER	32.00	33.8		42.2
FIXED CARBON	43.90	46.4		57.7
HEATING VALUE				
BTU/LB	8830	10402		12853

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.54

EQUILIBRIUM MOISTURE: 15.20

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7004-74

YEAR: 1974

TESTHOLE: 38

LOCATION (LSD, SEC, TP, RC, MER): 8 24 45 28 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 400.00 - 405.00

DEPTH (METRES): 121.9 - 123.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		14.7		
VOLATILE MATTER		30.3		35.6
FIXED CARBON		55.0		64.4
HEATING VALUE				
BTU/LB		10810		12872

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
63.80	3.70			.40

EQUILIBRIUM MOISTURE: 17.00

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4488-24

YEAR: 1974

TESTHOLE: 40

LOCATION (LSD, SEC, TP, RC, MER): 4 22 46 1 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 575.00 - 580.00

DEPTH (METRES): 175.3 - 176.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.90			
ASH	11.00	11.7		
VOLATILE MATTER	32.90	35.0		39.6
FIXED CARBON	50.20	52.3		50.3
HEATING VALUE				
BTU/LB	10821	11488		13022

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.41

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4488-25

YEAR: 1974

TESTHOLE: 41

LOCATION (LSD, SEC, TP, RC, MER): 1 18 46 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 485.00 - 490.00

DEPTH (METRES): 136.6 - 137.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	18.40	20.5		
VOLATILE MATTER	30.70	32.5		40.8
FIXED CARBON	44.50	47.0		55.1
HEATING VALUE				
BTU/LB	9856	10428		12116

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.62

EQUILIBRIUM MOISTURE: 13.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-26

YEAR: 1974

TESTHOLE: 41

LOCATION (LSD, SEC, TP, RG, MER): 1 18 48 27 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 595.00 - 600.00

DEPTH (METRES): 181.4 - 182.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.00			
ASH	33.20	35.0		
VOLATILE MATTER	27.50	28.9		
FIXED CARBON	34.30	35.1		

HEATING VALUE

BTU/LB	7731	8137		
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.25

EQUILIBRIUM MOISTURE: 11.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-27

YEAR: 1974

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 15 22 47 2 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 540.00 - 550.00

DEPTH (METRES): 164.6 - 170.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	7.00	7.4		
VOLATILE MATTER	32.40	34.3		37.0
FIXED CARBON	55.10	55.3		52.9

HEATING VALUE

BTU/LB	11635	12312		13285
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.43

EQUILIBRIUM MOISTURE: 14.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4488-26

YEAR: 1974

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RC, MER): 15 22 47 2 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 810.00 - 815.00

DEPTH (METRES): 185.9 - 187.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20			
ASH	15.30	17.2		
VLATILE MATTER	30.50	32.3		30.0
FIXED CARBON	47.90	50.5		50.5
HEATING VALUE				
BTU/LB	10344	10812		12176

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4488-20

YEAR: 1974

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RC, MER): 15 22 47 2 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 865.00 - 870.00

DEPTH (METRES): 202.7 - 204.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	15.30	16.1		
VLATILE MATTER	28.30	31.0		25.0
FIXED CARBON	50.10	52.8		53.0
HEATING VALUE				
BTU/LB	10518	11120		12263

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.53

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-30

YEAR: 1974

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 15 22 47 2 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 705.00 - 710.00

DEPTH (METRES): 214.9 - 216.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20			
ASH	17.80	18.5		
VOLATILE MATTER	29.40	31.0		38.0
FIXED CARBON	47.80	50.4		51.9
HEATING VALUE				
BTU/LB	10183	10752		13208

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.50

EQUILIBRIUM MOISTURE: 13.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-31

YEAR: 1974

TESTHOLE: 44

LOCATION (LSD, SEC, TP, RG, MER): 4 27 47 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 735.00 - 740.00

DEPTH (METRES): 224.0 - 228.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80			
ASH	17.70	18.5		
VOLATILE MATTER	30.30	31.8		39.0
FIXED CARBON	47.20	48.5		50.8
HEATING VALUE				
BTU/LB	10339	10880		13341

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.40

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-32

YEAR: 1974

TESTHOLE: 44

LOCATION (LSD, SEC, TP, RC, MER): 4 27 47 2 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 770.00 - 775.00

DEPTH (METRES): 234.7 - 236.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.00			
ASH	11.80	12.5		
VOLATILE MATTER	21.80	23.3		28.0
FIXED CARBON	51.50	54.2		61.9
HEATING VALUE				
BTU/LB	11120	11705		13377

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.25	

EQUILIBRIUM MOISTURE: 14.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-33

YEAR: 1974

TESTHOLE: 44

LOCATION (LSD, SEC, TP, RC, MER): 4 27 47 2 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 870.00 - 875.00

DEPTH (METRES): 265.2 - 268.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20			
ASH	21.20	22.1		
VOLATILE MATTER	29.10	30.4		39.0
FIXED CARBON	45.50	47.5		50.9
HEATING VALUE				
BTU/LB	10135	10583		13885

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.42

EQUILIBRIUM MOISTURE: 12.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-34

YEAR: 1974

TESTHOLE: 45

LOCATION (LSD, SEC, TP, RG, MER): 8 28 47 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 400.00 - 405.00

DEPTH (METRES): 121.9 - 123.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.40			
ASH	7.10	7.7		
VOLATILE MATTER	32.00	34.5		37.3
FIXED CARBON	53.50	57.8		52.5

HEATING VALUE				
BTU/LB	10862	11859		12848

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.24	

EQUILIBRIUM MOISTURE: 16.90

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7005-74

YEAR: 1974

TESTHOLE: 45

LOCATION (LSD, SEC, TP, RG, MER): 8 28 47 1 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 400.00 - 405.00

DEPTH (METRES): 121.9 - 123.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		8.2		
VOLATILE MATTER		32.1		34.9
FIXED CARBON		55.7		55.0

HEATING VALUE				
BTU/LB		11880		12723

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.50	4.00		.20	

EQUILIBRIUM MOISTURE: 17.70

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4686-35

YEAR: 1974

TESTHOLE: 46

LOCATION (LSD, SEC, TP, RC, MER): 8 17 46 4 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 810.00 - 820.00

DEPTH (METRES): 185.9 - 189.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.40			
ASH	45.20	45.3		
VOLATILE MATTER	20.00	20.8		
FIXED CARBON	29.40	30.8		
HEATING VALUE				
BTU/LB	8387	8680		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.24

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4686-36

YEAR: 1974

TESTHOLE: 46

LOCATION (LSD, SEC, TP, RC, MER): 8 17 46 4 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 785.00 - 785.00

DEPTH (METRES): 230.1 - 233.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	9.50	10.1		
VOLATILE MATTER	21.00	22.8		26.4
FIXED CARBON	54.00	57.1		53.5
HEATING VALUE				
BTU/LB	11153	11600		13125

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE: 13.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-40

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 8

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 515.00 - 517.00

DEPTH (METRES): 157.3 - 157.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.80			20.80
ASH	38.80	38.3		30.30
VOLATILE MATTER	28.20	28.0		22.20
FIXED CARBON	31.80	33.7		26.70
HEATING VALUE				
BTU/LB	7386	7887		8230

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE: 14.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-41

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 8

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 517.00 - 518.00

DEPTH (METRES): 157.6 - 157.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.70			14.10
ASH	51.30	52.8		48.20
VOLATILE MATTER	24.70	25.9		22.30
FIXED CARBON	19.30	20.3		17.40
HEATING VALUE				
BTU/LB	8271	8831		4781

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.19

EQUILIBRIUM MOISTURE: 10.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-42

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RC, MER): 14 21 48 3 B

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 518.00 - 519.00

DEPTH (METRES): 157.9 - 158.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30		17.00	
ASH	14.80	15.6	12.00	
VOLATILE MATTER	28.70	30.6	25.00	35.2
FIXED CARBON	50.40	53.6	44.70	63.7
HEATING VALUE				
BTU/LB	10229	10818	9080	12833

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.31

EQUILIBRIUM MOISTURE: 13.20

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4463-43

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RC, MER): 14 21 48 3 B

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 519.00 - 520.00

DEPTH (METRES): 158.2 - 158.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.60		15.50	
ASH	10.40	11.2	8.10	
VOLATILE MATTER	28.10	31.2	25.00	35.1
FIXED CARBON	53.70	57.6	47.00	64.8
HEATING VALUE				
BTU/LB	10885	11611	9504	13075

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
89.89	2.84	1.00	.23	14.84

EQUILIBRIUM MOISTURE: 14.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-44

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 520.00 - 521.00

DEPTH (METRES): 158.5 - 158.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70		18.30	
ASH	10.20	10.8	8.80	
VOLATILE MATTER	48.50	52.0	42.50	58.3
FIXED CARBON	34.80	37.1	30.30	41.6
HEATING VALUE BTU/LB	10714	11483	9362	12887

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.24

EQUILIBRIUM MOISTURE: 15.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-45

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 21 48 3 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 521.00 - 522.00

DEPTH (METRES): 158.8 - 159.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40		17.00	
ASH	10.80	11.7	9.70	
VOLATILE MATTER	32.50	34.7	28.80	38.2
FIXED CARBON	50.20	53.6	44.50	50.7
HEATING VALUE BTU/LB	10724	11457	9509	12875

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE: 11.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-66

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RC, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 522.00 - 523.00

DEPTH (METRES): 159.1 - 159.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.20		11.70	
ASH	92.90	95.6	84.40	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-47

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RC, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 514.00 - 515.00

DEPTH (METRES): 157.1 - 157.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.30		17.30	
ASH	88.60	82.4	76.60	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-48

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 815.00 - 816.00

DEPTH (METRES): 187.5 - 187.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.50		20.70	
ASH	38.50	41.3	32.70	
VOLATILE MATTER	20.40	21.8	17.30	
FIXED CARBON	34.50	36.8	28.30	

HEATING VALUE

BTU/LB	8905	7385	5856	
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.31

EQUILIBRIUM MOISTURE: 14.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-48

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 816.00 - 817.00

DEPTH (METRES): 187.6 - 188.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.70		19.70	
ASH	10.50	11.2	8.00	
VOLATILE MATTER	28.60	30.7	24.50	34.5
FIXED CARBON	54.20	55.1	46.70	55.4

HEATING VALUE

BTU/LB	10858	11648	8353	13117
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON					
HYDROGEN					
NITROGEN					
SULFUR					
OXYGEN					.33

EQUILIBRIUM MOISTURE: 14.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-50

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 40 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 517.00 - 518.00

DEPTH (METRES): 158.1 - 158.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.00		14.00	
ASH	33.20	35.2	30.00	
VOLATILE MATTER	22.00	24.3	20.70	
FIXED CARBON	38.10	40.5	36.40	
HEATING VALUE				
BTU/LB	7828	8098	8881	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.23

EQUILIBRIUM MOISTURE: 11.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-51

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 40 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 518.00 - 519.00

DEPTH (METRES): 158.4 - 158.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.00		18.50	
ASH	14.00	15.0	13.10	
VOLATILE MATTER	27.50	28.5	24.00	35.1
FIXED CARBON	50.70	54.5	44.40	54.8
HEATING VALUE				
BTU/LB	10177	10821	8908	13013

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.25

EQUILIBRIUM MOISTURE: 14.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-E2

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 818.00 - 820.00

DEPTH (METRES): 188.7 - 188.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.10		20.10	
ASH	8.80	6.3	8.00	
VOLATILE MATTER	30.70	32.7	28.10	34.8
FIXED CARBON	57.30	51.0	48.80	55.1

HEATING VALUE

BTU/LB	11588	12341	9880	12170
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.21

EQUILIBRIUM MOISTURE: 17.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-E3

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 820.00 - 821.00

DEPTH (METRES): 188.0 - 188.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.20		19.30	
ASH	4.80	5.2	4.20	
VOLATILE MATTER	32.80	34.8	28.10	38.7
FIXED CARBON	58.30	50.0	48.40	53.2

HEATING VALUE

BTU/LB	11774	12582	10129	12240
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				18.23

EQUILIBRIUM MOISTURE: 15.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-54

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 821.00 - 822.00

DEPTH (METRES): 189.3 - 189.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.80		20.20	
ASH	7.20	7.7	8.10	
VOLATILE MATTER	31.80	33.7	28.80	36.5
FIXED CARBON	54.70	55.6	48.80	62.4
HEATING VALUE BTU/LB	11344	12146	8882	13158

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.30

EQUILIBRIUM MOISTURE: 15.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-55

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 822.00 - 822.80

DEPTH (METRES): 189.6 - 189.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.20		19.80	
ASH	25.80	27.8	22.10	
VOLATILE MATTER	25.80	27.5	22.10	
FIXED CARBON	42.10	44.8	38.00	
HEATING VALUE BTU/LB	8808	8485	7615	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.33

EQUILIBRIUM MOISTURE: 12.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-86

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 8

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 822.80 - 823.00

DEPTH (METRES): 189.7 - 189.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.80		8.20	
ASH	91.20	83.6	85.00	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7011-74

YEAR: 1974

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 14 21 48 3 8

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 518.00 - 519.00

DEPTH (METRES): 157.8 - 159.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		18.1		
VOLATILE MATTER		31.1		37.0
FIXED CARBON		52.8		52.9

HEATING VALUE

BTU/LB 10870 12075

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
88.30 3.70 .30

EQUILIBRIUM MOISTURE: 14.50

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4455-27

YEAR: 1974

TESTHOLE: 48

LOCATION (LSD, SEC. TP, RG, MER): 4 21 48 2 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 230.00 - 235.00

DEPTH (METRES): 100.6 - 102.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	14.20	15.0		
VOLATILE MATTER	32.80	34.4		40.4
FIXED CARBON	47.90	50.6		55.5
HEATING VALUE				
BTU/LB	10140	10708		12597

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.31

EQUILIBRIUM MOISTURE: 12.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-28

YEAR: 1974

TESTHOLE: 48

LOCATION (LSD, SEC. TP, RG, MER): 5 21 48 5 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 548.00 - 555.00

DEPTH (METRES): 197.5 - 199.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	35.70	38.8		
VOLATILE MATTER	27.80	28.3		
FIXED CARBON	30.20	31.8		
HEATING VALUE				
BTU/LB	7482	7901		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.65

EQUILIBRIUM MOISTURE: 11.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-39

YEAR: 1974

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RG, MER): 16 21 49 4 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 510.00 - 525.00

DEPTH (METRES): 155.4 - 160.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.60			
ASH	13.80	14.8		
VOLATILE MATTER	31.90	34.2		40.1
FIXED CARBON	47.60	51.0		59.6

HEATING VALUE

BTU/LB	10128	10878		12788
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.33	

EQUILIBRIUM MOISTURE: 15.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-40

YEAR: 1974

TESTHOLE: 52

LOCATION (LSD, SEC, TP, RG, MER): 8 21 50 7 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 770.00 - 800.00

DEPTH (METRES): 234.7 - 243.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.70			
ASH	10.90	11.7		
VOLATILE MATTER	32.00	34.3		38.8
FIXED CARBON	50.40	54.0		61.1

HEATING VALUE

BTU/LB	10462	11214		12898
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
		.21		

EQUILIBRIUM MOISTURE: 14.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-41

YEAR: 1974

TESTHOLE: 53

LOCATION (LSD, SEC, TP, RG, MER): 14 27 49 7 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 270.00 - 285.00

DEPTH (METRES): 285.2 - 272.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70			
ASH	24.80	26.4		
VOLATILE MATTER	27.40	29.1		
FIXED CARBON	42.00	44.5		

HEATING VALUE

BTU/LB	8956	9507		
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.38

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-42

YEAR: 1974

TESTHOLE: 54

LOCATION (LSD, SEC, TP, RG, MER): 9 30 50 5 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 388.00 - 405.00

DEPTH (METRES): 117.3 - 123.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.40			
ASH	11.30	12.2		
VOLATILE MATTER	34.10	35.8		41.8
FIXED CARBON	47.20	51.0		58.0

HEATING VALUE

BTU/LB	10182	10896		12522
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.17

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-43

YEAR: 1974

TESTHOLE: 54

LOCATION (LSD, SEC, TP, RG, MER): 9 30 50 S S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 440.00 - 445.00

DEPTH (METRES): 134.1 - 135.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.10			
ASH	28.40	28.1		
VOLATILE MATTER	29.10	31.0		
FIXED CARBON	38.40	40.9		

HEATING VALUE				
BTU/LB	8727	9305		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.68

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-44

YEAR: 1974

TESTHOLE: 55

LOCATION (LSD, SEC, TP, RG, MER): 12 20 51 S S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 345.00 - 395.00

DEPTH (METRES): 105.1 - 120.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.00			
ASH	15.30	16.5		
VOLATILE MATTER	31.30	33.5		40.2
FIXED CARBON	45.40	48.9		59.7

HEATING VALUE				
BTU/LB	8842	10355		12418

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.25

EQUILIBRIUM MOISTURE: 15.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4455-45

YEAR: 1974

TESTHOLE: 57

LOCATION (LSD, SEC, TP, RG, MER): 15 9 52 5 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 440.00 - 480.00

DEPTH (METRES): 134.1 - 146.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	40.80	43.0		
VOLATILE MATTER	25.70	27.2		
FIXED CARBON	28.10	28.8		

HEATING VALUE				
BTU/LB	6309	6682		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.36

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7008-74

YEAR: 1974

TESTHOLE: 57

LOCATION (LSD, SEC, TP, RE, MER): 15 9 52 5 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 440.00 - 480.00

DEPTH (METRES): 134.1 - 146.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		23.2		
VOLATILE MATTER		30.7		39.0
FIXED CARBON		48.1		60.0

HEATING VALUE				
BTU/LB		9530		12530

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
57.50	3.50			.50

EQUILIBRIUM MOISTURE: 15.20

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4466-47

YEAR: 1974

TESTHOLE: 58

LOCATION (LSD, SEC, TP, RG, MER): 16 23 51 8 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 765.00 - 770.00

DEPTH (METRES): 233.2 - 234.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	24.30	25.7		
VOLATILE MATTER	28.00	29.6		
FIXED CARBON	42.20	44.7		
HEATING VALUE				
BTU/LB	8613	9326		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.26

EQUILIBRIUM MOISTURE: 14.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-1A

YEAR: 1974

TESTHOLE: 58

LOCATION (LSD, SEC, TP, RG, MER): 16 8 53 8 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 536.00 - 537.00

DEPTH (METRES): 163.4 - 163.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.60		16.80	
ASH	18.10	19.4	16.10	
VOLATILE MATTER	31.40	33.5	28.00	41.5
FIXED CARBON	43.90	47.0	38.10	58.3
HEATING VALUE				
BTU/LB	9868	10673	8860	13241

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.70

EQUILIBRIUM MOISTURE: 13.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-1B

YEAR: 1974

TESTHOLE: 88

LOCATION (LSD, SEC, TP, RC, MER): 18 S 53 E 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 536.00 - 537.00

DEPTH (METRES): 163.4 - 163.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.50		12.10	
ASH	72.50	77.0	67.70	
VOLATILE MATTER	12.20	12.8	11.20	
FIXED CARBON	8.70	10.2	8.00	

HEATING VALUE			
BTU/LB	1885	1885	1748

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.27

EQUILIBRIUM MOISTURE: 10.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-2

YEAR: 1974

TESTHOLE: 88

LOCATION (LSD, SEC, TP, RC, MER): 18 S 53 E 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 537.00 - 538.00

DEPTH (METRES): 163.7 - 164.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.00		12.30	
ASH	78.30	81.6	71.50	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE

BTU/LB			
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-3

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RC, MER): 16 5 53 8 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 536.00 - 539.00

DEPTH (METRES): 164.0 - 164.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.20		18.30	
ASH	32.00	34.1	28.50	
VOLATILE MATTER	35.20	37.5	31.40	
FIXED CARBON	26.60	28.4	23.80	
HEATING VALUE				
BTU/LB	7725	6236	5894	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.43

EQUILIBRIUM MOISTURE: 13.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-4

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RC, MER): 16 5 53 8 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 538.00 - 540.00

DEPTH (METRES): 164.3 - 164.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.00		18.70	
ASH	14.20	15.3	12.40	
VOLATILE MATTER	32.80	35.4	28.80	41.7
FIXED CARBON	45.80	48.3	40.10	58.2
HEATING VALUE				
BTU/LB	9985	10748	6783	12889

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE: 15.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-6

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RG, MER): 16 S 53 S 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 540.00 - 541.00

DEPTH (METRES): 164.6 - 164.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20		15.10	
ASH	24.70	20.6	25.70	
VLATILE MATTER	25.80	23.6	24.00	
FIXED CARBON	24.30	40.6	34.20	

HEATING VALUE			
BTU/LB	8015	8545	7180

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.26

EQUILIBRIUM MOISTURE: 14.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-6

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RG, MER): 16 S 53 S 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 541.00 - 542.00

DEPTH (METRES): 164.9 - 165.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20		15.20	
ASH	27.00	29.7	24.00	
VLATILE MATTER	28.70	30.6	25.00	
FIXED CARBON	27.20	39.7	23.20	

HEATING VALUE			
BTU/LB	7890	8515	7125

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.26

EQUILIBRIUM MOISTURE: 13.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-7

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RG, MER): 18 S 53 E S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 542.00 - 543.00

DEPTH (METRES): 165.2 - 165.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.30		18.60	
ASH	10.10	10.9	8.80	
VOLATILE MATTER	28.20	30.4	24.40	34.1
FIXED CARBON	54.40	58.7	47.20	65.8
HEATING VALUE				
BTU/LB	10647	11485	9234	12890

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
70.00	3.68	.90	.21	14.14

EQUILIBRIUM MOISTURE: 15.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-8

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RG, MER): 18 S 53 E S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 543.00 - 544.00

DEPTH (METRES): 165.5 - 165.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.30		16.40	
ASH	17.80	19.0	15.80	
VOLATILE MATTER	32.80	34.7	29.00	42.8
FIXED CARBON	43.40	46.3	38.70	57.1
HEATING VALUE				
BTU/LB	9164	9780	8176	12074

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.18	

EQUILIBRIUM MOISTURE: 11.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-9

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RG, MER): 16 S E3 S 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 544.00 - 545.00

DEPTH (METRES): 166.8 - 166.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50		17.00	
ASH	29.80	31.6	28.00	
VOLATILE MATTER	42.70	45.4	37.60	
FIXED CARBON	21.60	23.0	18.00	

HEATING VALUE				
BTU/LB	7855	8345	6879	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
				.18

EQUILIBRIUM MOISTURE: 13.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-10

YEAR: 1974

TESTHOLE: 59

LOCATION (LSD, SEC, TP, RG, MER): 16 S E3 S 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 545.00 - 546.00

DEPTH (METRES): 166.1 - 166.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.10		19.10	
ASH	10.40	11.2	8.10	
VOLATILE MATTER	32.80	35.3	28.50	38.7
FIXED CARBON	49.70	52.5	42.30	60.2

HEATING VALUE				
BTU/LB	10393	11187	9050	12597

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
				.20

EQUILIBRIUM MOISTURE: 14.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-11

YEAR: 1974

TESTHOLE: 89

LOCATION (LSD, SEC, TP, RC, MER): 16 S 53 E 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 546.00 - 547.00

DEPTH (METRES): 166.4 - 166.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20		18.80	
ASH	21.30	22.7	18.40	
VOLATILE MATTER	29.80	21.6	25.70	40.8
FIXED CARBON	42.90	45.7	37.10	59.1

HEATING VALUE				
BTU/LB	9378	9998	8118	12824

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.22

EQUILIBRIUM MOISTURE: 14.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-12

YEAR: 1974

TESTHOLE: 89

LOCATION (LSD, SEC, TP, RC, MER): 16 S 53 E 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 547.00 - 548.00

DEPTH (METRES): 166.7 - 167.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.80		17.80	
ASH	82.10	57.2	71.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE	
BTU/LB	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-12

YEAR: 1974

TESTHOLE: 89

LOCATION (LSD, SEC, TP, RG, MER): 16 8 53 8 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 548.00 - 549.00

DEPTH (METRES): 167.0 - 167.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.10		15.00	
ASH	52.00	55.0	79.50	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4485-68

YEAR: 1974

TESTHOLE: 81

LOCATION (LSD, SEC, TP, RG, MER): 13 21 54 9 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 590.00 - 510.00

DEPTH (METRES): 179.9 - 155.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	21.30	22.5		
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

8808	10134	13076
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ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.76

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-48

YEAR: 1974

TESTHOLE: 82

LOCATION (LSD, SEC, TP, RG, MER): 13 22 55 9 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 330.00 - 332.00

DEPTH (METRES): 100.8 - 101.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	8.80	9.2		
VOLATILE MATTER	23.80	25.8		38.5
FIXED CARBON	51.40	54.9		50.4
HEATING VALUE				
BTU/LB	11050	11808		13002

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.34	

EQUILIBRIUM MOISTURE: 16.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4486-50

YEAR: 1974

TESTHOLE: 82

LOCATION (LSD, SEC, TP, RG, MER): 13 22 55 9 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 360.00 - 370.00

DEPTH (METRES): 109.7 - 112.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	15.80	16.7		
VOLATILE MATTER	30.80	32.5		38.0
FIXED CARBON	48.10	50.2		50.8
HEATING VALUE				
BTU/LB	10285	10840		13012

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			1.08	

EQUILIBRIUM MOISTURE: 14.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-51

YEAR: 1974

TESTHOLE: 05

LOCATION (LSD, SEC, TP, RC, MER): 13 15 05 12 S

ZONE: UNKNOWN

DEPTH (FEET): 853.00 - 853.00

DEPTH (METRES): 199.0 - 199.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	29.00	30.5		
VOLATILE MATTER	27.00	28.5		
FIXED CARBON	38.70	40.3		
HEATING VALUE				
BTU/LB	8543	8344		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4456-52

YEAR: 1974

TESTHOLE: 05

LOCATION (LSD, SEC, TP, RC, MER): 4 26 05 10 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 200.00 - 205.00

DEPTH (METRES): 60.9 - 62.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.90			
ASH	31.10	32.7		
VOLATILE MATTER				
FIXED CARBON				
HEATING VALUE				
BTU/LB	8239	8063		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.86

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-57

YEAR: 1974

TESTHOLE: 57

LOCATION (LSD, SEC, TP, RG, MER): 16 21 58 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 710.50 - 711.00

DEPTH (METRES): 216.6 - 216.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.20		11.50	
ASH	84.10	86.9	78.90	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-58

YEAR: 1974

TESTHOLE: 57

LOCATION (LSD, SEC, TP, RG, MER): 16 21 58 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 711.00 - 712.00

DEPTH (METRES): 216.7 - 217.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.00		21.30	
ASH	36.00	39.1	30.80	
VOLATILE MATTER	26.80	28.1	22.80	
FIXED CARBON	29.20	31.8	25.00	

HEATING VALUE
BTU/LB

7104 7721 8078

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.37

EQUILIBRIUM MOISTURE: 18.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-60

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 712.00 - 713.00

DEPTH (METRES): 217.0 - 217.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.80			
ASH	48.00	51.4	38.20	
VOLATILE MATTER	18.60	20.8	18.90	
FIXED CARBON	26.90	27.7	21.10	

HEATING VALUE
BTU/LB

5391	5772	4398
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.38

EQUILIBRIUM MOISTURE: 13.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-60

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 713.00 - 714.00

DEPTH (METRES): 217.3 - 217.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.30			
ASH	28.70	31.0	18.70	
VOLATILE MATTER	27.80	30.0	24.00	
FIXED CARBON	36.20	39.0	21.30	

HEATING VALUE
BTU/LB

8294	8947	7184
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.87

EQUILIBRIUM MOISTURE: 14.00

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4483-81

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 714.00 - 716.00

DEPTH (METRES): 217.8 - 217.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.00		16.70	
ASH	88.70	88.4	74.50	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-82

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 716.00 - 716.00

DEPTH (METRES): 217.8 - 218.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.70		16.80	
ASH	30.20	32.4	26.80	
VOLATILE MATTER	25.30	27.1	22.80	
FIXED CARBON	37.80	40.5	33.70	

HEATING VALUE
BTU/LB

8140 8724 7250

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.59

EQUILIBRIUM MOISTURE: 13.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-6483-83

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 716.00 - 717.00

DEPTH (METRES): 218.2 - 218.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50		18.00	
ASH	78.70	80.1	64.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-6483-84

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 717.00 - 718.00

DEPTH (METRES): 218.6 - 218.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.10		13.80	
ASH	48.00	47.8	41.60	
VOLATILE MATTER	20.00	21.3	18.60	
FIXED CARBON	28.90	30.8	28.70	

HEATING VALUE
BTU/LB

6550	8878	8034
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ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.28

EQUILIBRIUM MOISTURE: 8.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-86

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 716.00 - 718.50

DEPTH (METRES): 218.9 - 218.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.70		42.20	
ASH	83.10	91.0	52.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-86

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 716.50 - 719.00

DEPTH (METRES): 218.0 - 219.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.00		15.60	
ASH	28.30	27.2	23.00	
VOLATILE MATTER	23.90	25.7	21.70	
FIXED CARBON	43.80	47.1	39.70	

HEATING VALUE
BTU/LB

	8762	9422	7952
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ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

			.30	
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EQUILIBRIUM MOISTURE: 12.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-87

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RG, MER): 18 21 55 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 719.00 - 720.00

DEPTH (METRES): 219.2 - 219.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.40		18.50	
ASH	10.40	11.4	9.20	
VOLATILE MATTER	29.50	32.2	25.90	35.3
FIXED CARBON	51.70	55.4	45.40	53.5
HEATING VALUE BTU/LB	10507	11550	8322	13059

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.28

EQUILIBRIUM MOISTURE: 15.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-88

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RG, MER): 18 21 55 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 720.00 - 721.00

DEPTH (METRES): 219.5 - 219.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.50		19.40	
ASH	8.30	8.1	7.30	
VOLATILE MATTER	35.50	40.5	32.70	44.5
FIXED CARBON	45.00	50.4	40.50	55.4
HEATING VALUE BTU/LB	10788	11530	8335	12014

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
59.99 4.17 1.01 .28 15.42

EQUILIBRIUM MOISTURE: 15.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-69

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RG, MER): 16 21 56 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 721.00 - 722.00

DEPTH (METRES): 219.8 - 220.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.00		17.00	
ASH	15.50	14.7	12.20	
VOLATILE MATTER	37.50	40.7	33.80	47.7
FIXED CARBON	41.00	44.6	37.00	52.2

HEATING VALUE				
BTU/LB	10204	11092	9206	13003

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE: 13.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-70

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RG, MER): 16 21 56 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 722.00 - 723.00

DEPTH (METRES): 220.1 - 220.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.30		16.30	
ASH	76.20	78.6	66.00	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
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EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-71

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 18 21 56 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 727.00 - 727.50

DEPTH (METRES): 221.8 - 221.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.20		11.20	
ASH	80.10	82.1	81.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-72

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 18 21 56 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 727.50 - 728.00

DEPTH (METRES): 221.7 - 221.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.50		19.50	
ASH	14.00	18.1	12.00	
VOLATILE MATTER	28.00	21.4	25.30	27.4
FIXED CARBON	48.50	52.5	42.30	52.5

HEATING VALUE
BTU/LB

10185	10880	8838	13087
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ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

1.08				
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EQUILIBRIUM MOISTURE: 17.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-73

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RG, MER): 16 21 88 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 728.00 - 728.00

DEPTH (METRES): 221.9 - 222.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80		19.80	
ASH	22.80	24.5	19.70	
VOLATILE MATTER	28.80	28.5	22.80	37.7
FIXED CARBON	43.80	47.0	37.80	52.2
HEATING VALUE				
BTU/LB	9080	9754	7842	12015

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE: 16.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-74

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RG, MER): 16 21 88 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 730.40 - 731.00

DEPTH (METRES): 222.8 - 222.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50		17.60	
ASH	41.70	44.1	36.40	
VOLATILE MATTER	22.40	23.7	19.50	
FIXED CARBON	30.40	32.2	26.50	
HEATING VALUE				
BTU/LB	8750	7143	5885	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.06

EQUILIBRIUM MOISTURE: 13.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-75

YEAR: 1974

TESTHOLE: 57

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 731.00 - 732.00

DEPTH (METRES): 222.8 - 223.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.50		11.50	
ASH	81.20	82.5		82.50
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-76

YEAR: 1974

TESTHOLE: 57

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 733.00 - 734.00

DEPTH (METRES): 223.4 - 223.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80		14.50	
ASH	61.80	54.5	55.00	
VOLATILE MATTER	15.00	15.5	14.20	
FIXED CARBON	17.80	16.5	15.80	

HEATING VALUE
BTU/LB

3575	3750	2208
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ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.27

EQUILIBRIUM MOISTURE: 11.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-77

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RG, MER): 16 21 66 11 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 734.00 - 736.00

DEPTH (METRES): 223.7 - 224.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.80		15.30	
ASH	28.70	30.8	26.10	
VOLATILE MATTER	26.10	28.0	23.70	
FIXED CARBON	38.40	41.2	34.80	
HEATING VALUE				
BTU/LB	8286	8891	7531	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.48

EQUILIBRIUM MOISTURE: 12.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-78

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RG, MER): 16 21 66 11 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 735.00 - 738.00

DEPTH (METRES): 224.0 - 224.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.90		18.30	
ASH	55.00	58.4	48.80	
VOLATILE MATTER	20.40	21.7	18.20	
FIXED CARBON	18.70	19.8	16.80	
HEATING VALUE				
BTU/LB	4247	4513	3777	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.21

EQUILIBRIUM MOISTURE: 12.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-78

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 736.00 - 737.00

DEPTH (METRES): 224.3 - 224.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.40			18.20
ASH	76.60	80.0		
VLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4463-80

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RC, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 737.00 - 738.00

DEPTH (METRES): 224.6 - 226.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.70		20.80	
ASH	40.40	43.3	34.40	
VLATILE MATTER	20.80	22.4	17.80	
FIXED CARBON	32.00	34.3	27.30	

HEATING VALUE
BTU/LB

8815 7082 6883

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
38 .38

EQUILIBRIUM MOISTURE: 12.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-81

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RG, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 738.00 - 738.00

DEPTH (METRES): 225.0 - 225.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.70		17.20	
ASH	18.80	21.1	17.80	
VOLATILE MATTER	27.80	28.8	24.70	37.7
FIXED CARBON	45.30	48.1	40.60	62.2
HEATING VALUE BTU/LB	8612	10305	8533	13080

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.44

EQUILIBRIUM MOISTURE: 14.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-48A

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RG, MER): 16 21 56 11 6

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 738.00 - 740.00

DEPTH (METRES): 225.3 - 225.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.80		18.80	
ASH	32.40	34.7	27.80	
VOLATILE MATTER	31.30	33.5	28.80	
FIXED CARBON	28.70	31.8	25.80	
HEATING VALUE BTU/LB	7830	8383	6723	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.33

EQUILIBRIUM MOISTURE: 13.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-83

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 18 21 55 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 740.00 - 740.50

DEPTH (METRES): 225.6 - 225.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.90		41.40	
ASH	86.90	82.3	54.10	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4483-84

YEAR: 1974

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RC, MER): 18 21 55 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 740.50 - 741.00

DEPTH (METRES): 225.7 - 225.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.00		12.20	
ASH	89.40	84.2	81.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7013-74

YEAR: 1974

TESTHOLE: 67

LOCATION (LSD, SEC, TP, RG, MER): 16 21 58 11 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 713.00 - 714.00

DEPTH (METRES): 217.3 - 217.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		27.6		
VOLATILE MATTER		29.7		
FIXED CARBON		42.6		

HEATING VALUE				
BTU/LB		9430		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
85.10	3.60		1.00	

EQUILIBRIUM MOISTURE: 16.60

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4458-53

YEAR: 1974

TESTHOLE: 68

LOCATION (LSD, SEC, TP, RG, MER): 13 33 58 12 5

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 585.00 - 590.00

DEPTH (METRES): 178.3 - 179.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	31.10	32.8		
VOLATILE MATTER	25.50	26.0		
FIXED CARBON	38.10	40.3		

HEATING VALUE				
BTU/LB	7844	8283		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4055-54

YEAR: 1974

TESTHOLE: 58

LOCATION (LSD, SEC, TP, RC, MER): 12 33 56 12 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 575.00 - 580.00

DEPTH (METRES): 205.7 - 207.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	13.30	14.2		
VLATILE MATTER	32.00	34.2		39.8
FIXED CARBON	48.20	51.0		50.1
HEATING VALUE				
BTU/LB	10501	11231		12089

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE: 13.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4055-55

YEAR: 1974

TESTHOLE: 58

LOCATION (LSD, SEC, TP, RC, MER): 12 33 56 12 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 720.00 - 725.00

DEPTH (METRES): 219.5 - 221.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	25.70	27.4		
VLATILE MATTER	28.50	28.3		
FIXED CARBON	41.50	44.3		
HEATING VALUE				
BTU/LB	8743	8230		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.31

EQUILIBRIUM MOISTURE: 13.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4458-56

YEAR: 1974

TESTHOLE: 68

LOCATION (LSD, SEC, TP, RG, MER): 1 S 55 12 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 845.00 - 855.00

DEPTH (METRES): 257.6 - 260.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70			
ASH	25.20	26.7		
VOLATILE MATTER	28.10	29.8		
FIXED CARBON	41.00	43.5		

HEATING VALUE

BTU/LB	8901	9439		
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.25

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7007-74

YEAR: 1974

TESTHOLE: 68

LOCATION (LSD, SEC, TP, RG, MER): 1 S 55 12 E

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 845.00 - 855.00

DEPTH (METRES): 257.6 - 260.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		17.6		
VOLATILE MATTER		32.0		38.8
FIXED CARBON		50.4		61.1

HEATING VALUE

BTU/LB		10660		12836
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
63.10	4.00		.30	

EQUILIBRIUM MOISTURE: 16.20

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E74-4685-57

YEAR: 1974

TESTHOLE: 70

LOCATION (LSD, SEC, TP, RC, MER): 13 14 57 11 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 485.00 - 510.00

DEPTH (METRES): 150.0 - 156.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20			
ASH	20.10	21.4		
VOLATILE MATTER	30.60	32.4		41.2
FIXED CARBON	43.30	45.2		55.7
HEATING VALUE				
BTU/LB	9437	10051		12800

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.49

EQUILIBRIUM MOISTURE: 15.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E74-4685-58

YEAR: 1974

TESTHOLE: 71

LOCATION (LSD, SEC, TP, RC, MER): 8 6 58 12 S

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 475.00 - 485.00

DEPTH (METRES): 144.8 - 147.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.00			
ASH	21.20	22.6		
VOLATILE MATTER	28.50	30.7		39.8
FIXED CARBON	43.30	45.7		50.3
HEATING VALUE				
BTU/LB	8850	10268		13283

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.53

EQUILIBRIUM MOISTURE: 15.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO15

YEAR: 1975

TESTHOLE: 4

LOCATION (LSD, SEC, TP, RG, MER): 1 28 53 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 90.00 - 90.00

DEPTH (METRES): 27.4 - 27.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH	8.28	8.2		
VOLATILE MATTER	35.04	35.0		36.8
FIXED CARBON	42.82	42.8		47.2
HEATING VALUE				
BTU/LB	9780	9780		10780

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.81

EQUILIBRIUM MOISTURE: 21.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO15

YEAR: 1975

TESTHOLE: 5

LOCATION (LSD, SEC, TP, RG, MER): 8 22 52 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 185.00 - 185.00

DEPTH (METRES): 56.4 - 56.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.44			
ASH	22.13	25.2		
VOLATILE MATTER	27.01	30.8		
FIXED CARBON	38.42	43.8		
HEATING VALUE				
BTU/LB	7960	9068		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.81

EQUILIBRIUM MOISTURE: 21.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR017

YEAR: 1975

TESTHOLE: 5

LOCATION (LSD, SEC, TP, RC, MER): 8 22 S2 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 295.00 - 310.00

DEPTH (METRES): 89.9 - 94.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.15			
ASH	25.49	28.8		
VOLATILE MATTER	31.34	35.3		
FIXED CARBON	31.97	35.8		

HEATING VALUE

BTU/LB	8050	8085
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.55

EQUILIBRIUM MOISTURE: 20.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR018

YEAR: 1975

TESTHOLE: 6

LOCATION (LSD, SEC, TP, RC, MER): 13 16 S2 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 285.00 - 295.00

DEPTH (METRES): 86.7 - 90.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.89			
ASH	30.05	29.3		
VOLATILE MATTER	28.82	29.7		
FIXED CARBON	33.24	35.8		

HEATING VALUE

BTU/LB	7210	8001
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.52

EQUILIBRIUM MOISTURE: 20.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR250

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 269.80 - 270.10

DEPTH (METRES): 82.1 - 82.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.82		5.71	
ASH	85.72	88.2	84.12	
VOLATILE MATTER	9.40	8.7	8.22	
FIXED CARBON	.96	1.0	.85	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.19

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR248

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 269.10 - 269.80

DEPTH (METRES): 82.0 - 82.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.83		20.88	
ASH	17.82	19.0	15.04	
VOLATILE MATTER	23.10	35.9	28.41	44.3
FIXED CARBON	41.85	45.0	35.67	55.6

HEATING VALUE

BTU/LB				
	8230	10010	7820	12388

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.21

EQUILIBRIUM MOISTURE: 17.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR248

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RC, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 288.10 - 288.10

DEPTH (METRES): 81.7 - 82.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.71		21.01	
ASH	12.28	14.6	11.45	
VOLATILE MATTER	36.18	39.2	30.87	45.8
FIXED CARBON	42.73	46.3	36.67	54.1
HEATING VALUE				
BTU/LB	10070	10912	8620	12762

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.30

EQUILIBRIUM MOISTURE: 10.10

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR247

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RC, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 287.10 - 288.10

DEPTH (METRES): 81.4 - 81.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.57		17.27	
ASH	18.17	17.6	14.63	
VOLATILE MATTER	36.11	39.4	32.67	47.9
FIXED CARBON	39.15	42.8	35.43	52.0
HEATING VALUE				
BTU/LB	8810	10730	8880	12034

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.43

EQUILIBRIUM MOISTURE: 17.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR246

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 263.70 - 284.80

DEPTH (METRES): 80.3 - 80.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.81			17.84
ASH	38.31	42.1		34.82
VOLATILE MATTER	26.22	28.1		23.08
FIXED CARBON	27.66	28.6		24.35
HEATING VALUE BTU/LB	8730	7220		8830

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.36

EQUILIBRIUM MOISTURE: 16.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR246

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 263.20 - 263.70

DEPTH (METRES): 80.2 - 80.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.14			16.38
ASH	38.91	30.6		75.80
VOLATILE MATTER	6.23	7.2		5.10
FIXED CARBON	1.86	2.0		1.71

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.22

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR264

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 234.50 - 235.00

DEPTH (METRES): 71.4 - 71.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.78		18.55	
ASH	77.91	80.9	66.85	
VOLATILE MATTER	12.38	12.5	10.45	
FIXED CARBON	5.94	5.1	5.02	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.14	

EQUILIBRIUM MOISTURE: 10.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR263

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 234.00 - 234.50

DEPTH (METRES): 71.3 - 71.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.75		22.44	
ASH	28.42	28.3	21.70	
VOLATILE MATTER	28.28	21.4	24.05	
FIXED CARBON	37.52	40.2	30.51	

HEATING VALUE
BTU/LB

5450	5050	5940
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.20	

EQUILIBRIUM MOISTURE: 10.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR242

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 233.00 - 234.00

DEPTH (METRES): 71.0 - 71.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.16		20.21	
ASH	10.94	12.0	9.61	
VOLATILE MATTER	35.07	34.8	30.80	43.8
FIXED CARBON	44.83	48.3	38.38	56.1
HEATING VALUE				
BTU/LB	10330	11270	9070	12926

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.36

EQUILIBRIUM MOISTURE: 18.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR241

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 232.00 - 233.00

DEPTH (METRES): 70.7 - 71.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.44		24.61	
ASH	24.61	27.1	20.49	
VOLATILE MATTER	33.98	37.5	28.29	
FIXED CARBON	31.97	35.3	26.61	
HEATING VALUE				
BTU/LB	8400	8270	8890	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.31

EQUILIBRIUM MOISTURE: 20.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR240

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 231.00 - 232.00

DEPTH (METRES): 70.4 - 70.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.71		22.74	
ASH	15.59	17.9	13.85	
VOLATILE MATTER	35.88	38.5	30.04	47.5
FIXED CARBON	39.82	43.1	33.34	52.8

HEATING VALUE

BTU/LB	8630	10430	8080	12714
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.36		

EQUILIBRIUM MOISTURE: 18.10

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR239

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 230.50 - 231.00

DEPTH (METRES): 70.2 - 70.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.75		20.81	
ASH	87.81	81.2	72.28	
VOLATILE MATTER	8.22	8.5	6.75	
FIXED CARBON	.21	.2	.17	

HEATING VALUE

BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.17		

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7012-75

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 231.00 - 232.00

DEPTH (METRES): 70.4 - 70.7

STATUS: CORE

PROXIMAL ANALYSIS	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		19.7		
VOLATILE MATTER		38.0		44.8
FIXED CARBON		44.3		55.1
HEATING VALUE				
BTU/LB		10150		12840

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE: 22.30

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7021-75

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 268.20 - 269.20

DEPTH (METRES): 81.7 - 82.0

STATUS: CORE

PROXIMAL ANALYSIS	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		17.2		
VOLATILE MATTER				
FIXED CARBON				
HEATING VALUE				
BTU/LB				

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
62.80	3.80			.30

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: ARO19

YEAR: 1976

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 150.00 - 150.00

DEPTH (METRES): 45.7 - 45.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.30			
ASH	18.88	21.1		
VOLATILE MATTER	31.68	35.0		44.8
FIXED CARBON	39.24	43.7		55.4
HEATING VALUE BTU/LB	8590	9576		12144

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.90

EQUILIBRIUM MOISTURE: 22.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO20

YEAR: 1976

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 240.00 - 240.00

DEPTH (METRES): 73.1 - 73.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.82			
ASH	23.90	28.1		
VOLATILE MATTER	30.23	33.8		
FIXED CARBON	35.85	39.8		
HEATING VALUE BTU/LB	7990	8889		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.71

EQUILIBRIUM MOISTURE: 18.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO21

YEAR: 1975

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 4 28 54 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 455.00 - 480.00

DEPTH (METRES): 138.7 - 146.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.11			
ASH	23.40	26.3		
VOLATILE MATTER	28.10	32.7		
FIXED CARBON	38.39	40.9		

HEATING VALUE

BTU/LB	7880	8884
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.87

EQUILIBRIUM MOISTURE: 18.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO22

YEAR: 1975

TESTHOLE: 8

LOCATION (LSD, SEC, TP, RG, MER): 1 28 51 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 280.00 - 295.00

DEPTH (METRES): 85.3 - 89.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.08			
ASH	31.20	35.4		
VOLATILE MATTER	22.88	27.3		
FIXED CARBON	23.86	27.1		

HEATING VALUE

BTU/LB	8960	7914
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.85

EQUILIBRIUM MOISTURE: 18.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR023

YEAR: 1975

TESTHOLE: 8 --

LOCATION (LSD, SEC, TP, RC, MER): 1 28 51 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 415.00 - 415.00

DEPTH (METRES): 126.5 - 126.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.00			
ASH	20.37	22.3		
VOLATILE MATTER	32.40	25.8		45.6
FIXED CARBON	38.23	42.0		54.1
HEATING VALUE				
BTU/LB	8700	8550		12318

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
1.07

EQUILIBRIUM MOISTURE: 19.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR024

YEAR: 1975

TESTHOLE: 10

LOCATION (LSD, SEC, TP, RC, MER): 15 9 51 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 350.00 - 355.00

DEPTH (METRES): 106.7 - 108.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.48			
ASH	19.75	22.5		
VOLATILE MATTER	31.90	38.1		46.6
FIXED CARBON	36.18	41.3		53.3
HEATING VALUE				
BTU/LB	8520	8747		12586

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.98

EQUILIBRIUM MOISTURE: 20.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO25

YEAR: 1975

TESTHOLE: 10

LOCATION (LSD, SEC, TP, RG, MER): 16 9 51 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 375.00 - 380.00

DEPTH (METRES): 114.3 - 115.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.94			
ASH	15.18	17.2		
VOLATILE MATTER	32.41	35.5		44.4
FIXED CARBON	40.47	45.5		55.5
HEATING VALUE				
BTU/LB	8280	10549		12744

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.63

EQUILIBRIUM MOISTURE: 19.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO26

YEAR: 1975

TESTHOLE: 10

LOCATION (LSD, SEC, TP, RG, MER): 16 9 51 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 400.00 - 400.00

DEPTH (METRES): 121.9 - 121.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.36			
ASH	5.54	8.7		
VOLATILE MATTER	33.75	38.5		42.5
FIXED CARBON	45.34	51.7		57.3
HEATING VALUE				
BTU/LB	9930	11330		12652

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.55

EQUILIBRIUM MOISTURE: 21.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO27

YEAR: 1976

TESTHOLE: 10

LOCATION (LSD, SEC, TP, RC, MER): 16 9 51 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 500.00 - 505.00

DEPTH (METRES): 152.4 - 153.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.26			
ASH	10.79	12.3		
VOLATILE MATTER	31.82	36.2		
FIXED CARBON	45.11	51.4		41.3
				55.6
HEATING VALUE				
BTU/LB	8800	11274		12855

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.79

EQUILIBRIUM MOISTURE: 20.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO28

YEAR: 1976

TESTHOLE: 11

LOCATION (LSD, SEC, TP, RC, MER): 4 27 50 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 505.00 - 505.00

DEPTH (METRES): 153.9 - 153.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.07			
ASH	24.74	27.5		
VOLATILE MATTER	32.01	35.5		
FIXED CARBON	33.18	36.3		
HEATING VALUE				
BTU/LB	8210	9129		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.58

EQUILIBRIUM MOISTURE: 19.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO32

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 416.10 - 417.10

DEPTH (METRES): 126.8 - 127.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	1.43		18.07	
ASH	83.81	85.1	88.80	
VOLATILE MATTER	14.86	14.8	12.03	
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.27

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO33

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 417.10 - 418.10

DEPTH (METRES): 127.1 - 127.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.45		26.80	
ASH	18.26	18.7	13.78	
VOLATILE MATTER	27.45	31.7	23.28	38.0
FIXED CARBON	42.84	49.4	38.33	60.9

HEATING VALUE
BTU/LB

9030	10433	7857	12848
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE: 22.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO34

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 419.30 - 420.30

DEPTH (METRES): 127.8 - 128.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.70		23.18	
ASH	84.74	80.8	88.78	
VOLATILE MATTER	5.03	6.4	4.95	
FIXED CARBON	2.53	2.7	2.08	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.12	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO35

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 420.30 - 421.00

DEPTH (METRES): 128.1 - 128.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.77		33.53	
ASH	18.84	18.4	12.29	
VOLATILE MATTER	30.89	26.4	23.57	43.6
FIXED CARBON	38.71	48.0	30.61	56.4

HEATING VALUE
BTU/LB

8880	10208	8852	12847
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.26	

EQUILIBRIUM MOISTURE: 21.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO36

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 444.30 - 444.80

DEPTH (METRES): 135.4 - 135.6

STATUS: CORE

PROXIMAL ANALYSIS	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.71		26.39	
ASH	78.83	87.4	84.37	
VOLATILE MATTER	11.46	12.6	9.24	
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.33

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO37

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 444.80 - 445.80

DEPTH (METRES): 135.6 - 135.6

STATUS: CORE

PROXIMAL ANALYSIS	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.75		26.95	
ASH	23.20	26.9	19.65	
VOLATILE MATTER	32.33	37.4	27.38	
FIXED CARBON	30.72	36.6	26.02	

HEATING VALUE
BTU/LB
8160 8448 8902

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.42

EQUILIBRIUM MOISTURE: 20.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO38

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 445.00 - 448.00

DEPTH (METRES): 136.9 - 136.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	18.21		32.53	
ASH	3.06	4.7	3.18	
VOLATILE MATTER	34.14	40.7	27.52	42.8
FIXED CARBON	45.59	54.4	36.75	57.1
HEATING VALUE				
BTU/LB	10380	12403	8368	13018

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.64

EQUILIBRIUM MOISTURE: 22.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO39

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 446.00 - 447.40

DEPTH (METRES): 136.2 - 136.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	14.84		31.31	
ASH	7.03	8.2	5.87	
VOLATILE MATTER	32.78	38.5	25.48	42.0
FIXED CARBON	45.24	53.1	35.54	57.9
HEATING VALUE				
BTU/LB	10120	11897	8172	12068

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.56

EQUILIBRIUM MOISTURE: 21.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO40

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 522.20 - 527.70

DEPTH (METRES): 159.2 - 160.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.41		20.27	
ASH	86.59	93.5	74.56	
VOLATILE MATTER	5.25	5.6	4.52	
FIXED CARBON	75	.3	.85	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO42

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 528.70 - 529.70

DEPTH (METRES): 161.1 - 161.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	18.55		27.33	
ASH	8.67	10.8	7.74	
VOLATILE MATTER	31.18	38.2	27.82	42.8
FIXED CARBON	41.60	51.0	37.11	57.1

HEATING VALUE
BTU/LB

8540 11712 8511 13108

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.22

EQUILIBRIUM MOISTURE: 21.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO43

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 15 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 529.70 - 530.70

DEPTH (METRES): 161.4 - 161.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	19.04		30.25	
ASH	5.97	11.0	7.73	
VOLATILE MATTER	30.88	37.8	28.44	42.5
FIXED CARBON	41.30	51.0	35.57	57.2
HEATING VALUE BTU/LB	8220	11882	8285	12382

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE: 21.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO44

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 15 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 530.70 - 531.70

DEPTH (METRES): 161.7 - 162.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	15.54		24.51	
ASH	34.02	40.2	30.27	
VOLATILE MATTER	20.84	24.5	18.00	
FIXED CARBON	29.60	35.0	28.42	

HEATING VALUE

BTU/LB			
	8950	8240	6212

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.12

EQUILIBRIUM MOISTURE: 18.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO48

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 533.50 - 534.50

DEPTH (METRES): 162.8 - 162.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	18.84		29.52	
ASH	21.55	26.5	18.72	
VOLATILE MATTER	25.75	31.7	22.35	
FIXED CARBON	33.85	41.7	29.40	

HEATING VALUE				
BTU/LB	8130	10015	7059	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.17

EQUILIBRIUM MOISTURE: 22.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO48

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RC, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 534.60 - 535.60

DEPTH (METRES): 162.9 - 163.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	19.49		30.41	
ASH	5.75	7.1	5.00	
VOLATILE MATTER	30.75	38.2	20.59	41.1
FIXED CARBON	43.97	54.5	33.00	54.5

HEATING VALUE				
BTU/LB	9920	12321	8574	13274

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.30

EQUILIBRIUM MOISTURE: 21.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR047

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 536.60 - 536.60

DEPTH (METRES): 163.2 - 163.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	18.00		27.71	
ASH	19.68	24.0	17.38	
VOLATILE MATTER	27.57	33.6	24.30	44.2
FIXED CARBON	34.75	42.3	30.64	55.7
HEATING VALUE BTU/LB	8780	10707	7740	14088

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.37

EQUILIBRIUM MOISTURE: 20.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR048

YEAR: 1976

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 16 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 536.60 - 537.10

DEPTH (METRES): 163.5 - 163.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.21		24.82	
ASH	52.89	72.0	54.10	
VOLATILE MATTER	12.27	18.0	11.21	
FIXED CARBON	11.43	12.6	8.86	
HEATING VALUE BTU/LB	2760	3087	2224	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.19

EQUILIBRIUM MOISTURE: 14.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO41

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 527.80 - 528.80

DEPTH (METRES): 160.9 - 161.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	18.13		27.38	
ASH	11.25	13.7	9.86	
VOLATILE MATTER	32.45	38.8	28.78	45.8
FIXED CARBON	38.17	48.8	33.85	54.0
HEATING VALUE BTU/LB	8510	11815	8433	13485

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.08

EQUILIBRIUM MOISTURE: 20.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO49

YEAR: 1975

TESTHOLE: 12

LOCATION (LSD, SEC, TP, RG, MER): 18 21 50 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 535.00 - 540.00

DEPTH (METRES): 163.1 - 164.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.33			
ASH	25.00	28.1		
VOLATILE MATTER	29.32	33.0		
FIXED CARBON	34.35	38.7		
HEATING VALUE BTU/LB	7840	8841		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.39

EQUILIBRIUM MOISTURE: 20.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AROSO

YEAR: 1975

TESTHOLE: 13

LOCATION (LSD, SEC, TP, RG, MER): 4 18 50 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 420.00 - 420.00

DEPTH (METRES): 128.0 - 128.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

AS DETERMINED DRY BASIS AS RECEIVED DRY ASH FREE

MOISTURE	11.07		
ASH	41.26	48.3	
VOLATILE MATTER	30.10	33.8	
FIXED CARBON	17.57	18.7	
HEATING VALUE			
BTU/LB	8240	8882	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.31

EQUILIBRIUM MOISTURE: 20.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO29

YEAR: 1975

TESTHOLE: 14

LOCATION (LSD, SEC, TP, RG, MER): 1 28 49 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 550.00 - 555.00

DEPTH (METRES): 167.6 - 169.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

AS DETERMINED DRY BASIS AS RECEIVED DRY ASH FREE

MOISTURE	8.77		
ASH	10.44	11.8	
VOLATILE MATTER	32.48	38.9	40.8
FIXED CARBON	47.33	52.4	58.2
HEATING VALUE			
BTU/LB	8820	10884	12422

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.00

EQUILIBRIUM MOISTURE: 20.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO30

YEAR: 1975

TESTHOLE: 14

LOCATION (LSD, SEC, TP, RG, MER): 1 28 49 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 810.00 - 815.00

DEPTH (METRES): 186.9 - 187.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.56			
ASH	13.37	14.9		
VOLATILE MATTER	30.10	33.6		39.6
FIXED CARBON	45.97	51.3		60.4
HEATING VALUE				
BTU/LB	9600	10733		12616

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.85

EQUILIBRIUM MOISTURE: 20.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO31

YEAR: 1975

TESTHOLE: 14

LOCATION (LSD, SEC, TP, RG, MER): 1 28 49 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 836.00 - 840.00

DEPTH (METRES): 193.6 - 195.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.40			
ASH	21.90	24.6		
VOLATILE MATTER	28.62	32.6		43.3
FIXED CARBON	37.38	42.6		56.6
HEATING VALUE				
BTU/LB	8560	9771		12967

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.85

EQUILIBRIUM MOISTURE: 19.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO51

YEAR: 1975

TESTHOLE: 15

LOCATION (LSD, SEC, TP, RC, MER): 15 21 49 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 360.00 - 370.00

DEPTH (METRES): 109.7 - 112.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.27			
ASH	16.34	18.2		
VOLATILE MATTER	35.40	39.4		48.2
FIXED CARBON	37.99	42.3		51.7
HEATING VALUE				
BTU/LB	8860	8874		12072

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.85

EQUILIBRIUM MOISTURE: 21.00

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: ARO52

YEAR: 1975

TESTHOLE: 15

LOCATION (LSD, SEC, TP, RC, MER): 15 21 49 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 410.00 - 410.00

DEPTH (METRES): 125.0 - 125.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.34			
ASH	28.17	31.7		
VOLATILE MATTER	29.97	32.8		
FIXED CARBON	30.52	34.4		
HEATING VALUE				
BTU/LB	7440	8301		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.73

EQUILIBRIUM MOISTURE: 16.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AROSS

YEAR: 1975

TESTHOLE: 15

LOCATION (LSD, SEC, TP, RG, MER): 16 21 49 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 485.00 - 495.00

DEPTH (METRES): 147.8 - 150.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.09			
ASH	28.83	32.5		
VOLATILE MATTER	29.78	33.4		
FIXED CARBON	30.20	33.9		
HEATING VALUE				
BTU/LB	7100	7985		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.64	

EQUILIBRIUM MOISTURE: 20.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7022-75

YEAR: 1975

TESTHOLE: 15

LOCATION (LSD, SEC, TP, RG, MER): 16 21 49 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 365.00 - 370.00

DEPTH (METRES): 111.2 - 112.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		14.9		
VOLATILE MATTER		38.2		44.8
FIXED CARBON		48.9		55.1
HEATING VALUE				
BTU/LB		10380		12209

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE: 24.50

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: ARO54

YEAR: 1975

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 4 27 48 21 4

ZONE: NDRESENDE CANYON FORMATION

DEPTH (FEET): 525.00 - 525.00

DEPTH (METRES): 163.1 - 163.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.70			
ASH	28.51	33.1		
VOLATILE MATTER	27.74	31.0		
FIXED CARBON	31.05	35.7		

HEATING VALUE				
BTU/LB	7390	8275		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
				.26

EQUILIBRIUM MOISTURE: 17.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO55

YEAR: 1975

TESTHOLE: 17

LOCATION (LSD, SEC, TP, RG, MER): 13 14 48 20 4

ZONE: NDRESENDE CANYON FORMATION

DEPTH (FEET): 340.00 - 350.00

DEPTH (METRES): 103.6 - 106.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.72			
ASH	28.55	40.0		
VOLATILE MATTER	29.25	32.0		
FIXED CARBON	25.45	27.8		

HEATING VALUE				
BTU/LB	6220	6814		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
				1.81

EQUILIBRIUM MOISTURE: 12.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO57

YEAR: 1976

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 18 18 48 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 140.00 - 140.00

DEPTH (METRES): 42.6 - 42.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.71			
ASH	25.83	28.9		
VOLATILE MATTER	38.24	42.8		
FIXED CARBON	25.22	28.2		

HEATING VALUE

BTU/LB	7610	8522
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.73		

EQUILIBRIUM MOISTURE: 20.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO58

YEAR: 1976

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 18 18 48 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 175.00 - 175.00

DEPTH (METRES): 53.3 - 53.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.53			
ASH	22.85	24.9		
VOLATILE MATTER	32.48	35.5		47.3
FIXED CARBON	35.14	38.5		52.6

HEATING VALUE

BTU/LB	8240	9008		12007
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.55		

EQUILIBRIUM MOISTURE: 20.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO59

YEAR: 1975

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RC, MER): 18 18 48 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 200.00 - 200.00

DEPTH (METRES): 60.9 - 60.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.87			
ASH	45.14	48.5		
VOLATILE MATTER	25.48	24.4		
FIXED CARBON	20.60	21.8		

HEATING VALUE		
BTU/LB	5210	5600

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.58

EQUILIBRIUM MOISTURE: 20.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO60

YEAR: 1975

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RC, MER): 18 18 48 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 255.00 - 270.00

DEPTH (METRES): 77.7 - 82.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.87			
ASH	28.21	29.4		
VOLATILE MATTER	27.55	42.1		
FIXED CARBON	25.37	28.4		

HEATING VALUE		
BTU/LB	7700	8630

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.70

EQUILIBRIUM MOISTURE: 20.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO62

YEAR: 1975

TESTHOLE: 19

LOCATION (LSD, SEC, TP, RG, MER): 16 16 47 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 545.00 - 545.00

DEPTH (METRES): 166.1 - 166.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.51			
ASH	19.25	21.1		
VOLATILE MATTER	31.45	34.4		43.5
FIXED CARBON	40.59	44.4		55.3
HEATING VALUE				
BTU/LB	8950	8804		12436

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.70

EQUILIBRIUM MOISTURE: 18.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO61

YEAR: 1975

TESTHOLE: 19

LOCATION (LSD, SEC, TP, RG, MER): 16 16 47 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 385.00 - 390.00

DEPTH (METRES): 117.3 - 118.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.51			
ASH	41.51	44.5		
VOLATILE MATTER	30.77	33.0		
FIXED CARBON	20.91	22.4		
HEATING VALUE				
BTU/LB	8920	8352		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.85

EQUILIBRIUM MOISTURE: 18.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO63

YEAR: 1975

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 4 27 48 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 205.00 - 205.00

DEPTH (METRES): 62.5 - 62.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.78			
ASH	32.58	35.1		
VOLATILE MATTER	29.85	33.2		
FIXED CARBON	27.55	30.6		
HEATING VALUE				
BTU/LB	8900	7847		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.33

EQUILIBRIUM MOISTURE: 21.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO64

YEAR: 1975

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 4 27 48 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 375.00 - 375.00

DEPTH (METRES): 114.3 - 114.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.28			
ASH	27.80	30.0		
VOLATILE MATTER	31.08	33.8		
FIXED CARBON	32.02	35.0		
HEATING VALUE				
BTU/LB	7900	8014		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.53

EQUILIBRIUM MOISTURE: 21.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO81

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 245.80 - 246.10

DEPTH (METRES): 74.8 - 75.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.42		11.38	
ASH	86.89	88.8	78.75	
VOLATILE MATTER	10.20	10.4	8.28	
FIXED CARBON	.69	.7	.63	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.18

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO82

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 246.10 - 247.10

DEPTH (METRES): 75.0 - 75.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.58		20.12	
ASH	8.31	7.1	5.70	
VOLATILE MATTER	38.07	40.7	32.58	43.8
FIXED CARBON	48.08	52.0	41.60	58.0

HEATING VALUE
BTU/LB

10320	11888	9320	12888
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.09

EQUILIBRIUM MOISTURE: 22.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO63

YEAR: 1976

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RC, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 247.10 - 248.10

DEPTH (METRES): 75.3 - 75.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.67		19.66	
ASH	9.29	10.5	8.45	
VOLATILE MATTER	36.60	41.4	22.26	48.3
FIXED CARBON	42.44	48.0	38.81	53.8
HEATING VALUE				
BTU/LB	9830	11126	8840	12436

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.24

EQUILIBRIUM MOISTURE: 22.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO64

YEAR: 1976

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RC, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 248.10 - 249.10

DEPTH (METRES): 75.6 - 75.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.74		25.66	
ASH	62.02	70.6	52.26	
VOLATILE MATTER	18.72	20.9	16.88	
FIXED CARBON	7.80	8.4	8.22	
HEATING VALUE				
BTU/LB	2180	2419	1782	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.18

EQUILIBRIUM MOISTURE: 23.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO86

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 249.10 - 250.10

DEPTH (METRES): 75.9 - 76.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.88		18.33	
ASH	25.12	27.5	22.52	
VOLATILE MATTER	31.81	34.9	28.51	
FIXED CARBON	34.19	37.5	30.84	
HEATING VALUE				
BTU/LB	8050	8834	7214	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.48

EQUILIBRIUM MOISTURE: 19.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO86

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 250.10 - 251.10

DEPTH (METRES): 76.2 - 76.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.78		17.58	
ASH	19.78	21.9	18.05	
VOLATILE MATTER	32.88	36.2	29.85	46.3
FIXED CARBON	37.80	41.8	34.53	53.5
HEATING VALUE				
BTU/LB	8530	9452	7792	12102

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.60

EQUILIBRIUM MOISTURE: 20.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO90

YEAR: 1976

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 254.00 - 255.00

DEPTH (METRES): 77.4 - 77.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.19		19.23	
ASH	12.43	14.0	11.29	
VOLATILE MATTER	33.10	37.2	30.07	43.3
FIXED CARBON	43.28	48.7	39.31	56.6

HEATING VALUE				
BTU/LB	8670	10888	8783	12880

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.38

EQUILIBRIUM MOISTURE: 19.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO91

YEAR: 1976

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 255.00 - 255.50

DEPTH (METRES): 77.7 - 77.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.12		12.09	
ASH	79.94	82.5	-72.53	
VOLATILE MATTER	12.94	13.0	11.48	
FIXED CARBON	4.30	4.4	2.90	

HEATING VALUE			
BTU/LB	1370	1414	1243

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO84

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 259.10 - 259.60

DEPTH (METRES): 78.9 - 79.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.43		15.75	
ASH	85.87	87.7	73.01	
VOLATILE MATTER	10.25	10.5	8.75	
FIXED CARBON	1.75	1.7	1.49	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.09

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO85

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 376.70 - 377.20

DEPTH (METRES): 114.8 - 115.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.81		13.17	
ASH	89.02	83.5	81.25	
VOLATILE MATTER	5.95	5.2	5.44	
FIXED CARBON	.12	.1	.11	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.27

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO88

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 378.20 - 378.70

DEPTH (METRES): 115.6 - 115.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.30		20.45	
ASH	20.33	22.6	18.03	
VOLATILE MATTER	29.88	33.3	28.50	43.0
FIXED CARBON	39.49	44.0	25.02	56.9

HEATING VALUE				
BTU/LB	8780	9788	7788	12855

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.89

EQUILIBRIUM MOISTURE: 16.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO88

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 378.70 - 380.70

DEPTH (METRES): 115.7 - 116.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.08		13.48	
ASH	72.10	77.5	67.12	
VOLATILE MATTER	11.45	12.3	10.85	
FIXED CARBON	9.37	10.0	8.73	

HEATING VALUE	
BTU/LB	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.41

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR102

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 382.70 - 383.70

DEPTH (METRES): 116.6 - 116.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.83		21.38	
ASH	5.51	7.5	5.87	
VOLATILE MATTER	38.57	44.4	34.82	48.0
FIXED CARBON	41.78	48.0	37.73	51.8

HEATING VALUE				
BTU/LB	8870	11450	8001	12380

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.41

EQUILIBRIUM MOISTURE: 20.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR103

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 383.70 - 384.70

DEPTH (METRES): 116.9 - 117.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.85		7.98	
ASH	64.02	67.2	61.81	
VOLATILE MATTER	14.21	14.8	13.75	
FIXED CARBON	16.81	17.7	18.35	

HEATING VALUE			
BTU/LB	3370	3542	3286

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.25

EQUILIBRIUM MOISTURE: 7.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR106

YEAR: 1976

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 26 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 391.15 - 392.15

DEPTH (METRES): 119.2 - 119.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.13		20.18	
ASH	14.95	18.5	13.21	
VOLATILE MATTER	34.82	39.8	31.81	47.7
FIXED CARBON	37.87	43.5	34.80	52.2

HEATING VALUE				
BTU/LB	9460	10868	8891	13048

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.74	

EQUILIBRIUM MOISTURE: 18.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR107

YEAR: 1976

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 26 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 392.10 - 393.10

DEPTH (METRES): 119.5 - 119.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	14.50		20.04	
ASH	28.17	32.9	26.36	
VOLATILE MATTER	29.49	34.4	27.56	
FIXED CARBON	27.84	32.5	26.03	

HEATING VALUE			
BTU/LB	7390	8842	8910

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.48	

EQUILIBRIUM MOISTURE: 20.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR110

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 396.40 - 398.90

DEPTH (METRES): 120.8 - 121.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.78		14.90	
ASH	88.60	83.0	78.17	
VOLATILE MATTER	8.64	8.9	5.83	
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.07

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO85

YEAR: 1975

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 4 28 47.20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 285.00 - 290.00

DEPTH (METRES): 86.8 - 88.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.03			
ASH	26.94	30.2		
VOLATILE MATTER	32.52	36.6		
FIXED CARBON	28.51	33.1		

HEATING VALUE
BTU/LB

7200 8082

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
1.00

EQUILIBRIUM MOISTURE: 23.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO88

YEAR: 1978

TESTHOLE: 23

LOCATION (LSD, SEC, TP, RG, MER): 18 18 52 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 235.00 - 235.00

DEPTH (METRES): 71.6 - 71.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.30			
ASH	38.83	39.5		
VOLATILE MATTER	22.02	34.5		
FIXED CARBON	24.06	25.9		

HEATING VALUE				
BTU/LB	8870	7195		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				1.26

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR183

YEAR: 1978

TESTHOLE: 23

LOCATION (LSD, SEC, TP, RG, MER): 18 18 52 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 235.00 - 235.00

DEPTH (METRES): 71.6 - 71.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.88			
ASH	15.78	17.4		
VOLATILE MATTER	34.67	38.2		48.3
FIXED CARBON	38.98	44.2		53.8

HEATING VALUE				
BTU/LB	8040	10008		12127

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				1.11

EQUILIBRIUM MOISTURE: 20.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR071

YEAR: 1975

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 16 16 46 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 345.00 - 345.00

DEPTH (METRES): 105.1 - 105.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.75			
ASH	31.48	35.2		
VOLATILE MATTER	42.54	47.5		
FIXED CARBON	15.23	17.0		

HEATING VALUE		
BTU/LB	8970	7809

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.73

EQUILIBRIUM MOISTURE: 20.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR072

YEAR: 1975

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 16 16 46 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 450.00 - 455.00

DEPTH (METRES): 137.1 - 141.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.84			
ASH	18.85	22.8		
VOLATILE MATTER	33.72	36.6		50.1
FIXED CARBON	33.49	35.4		49.6

HEATING VALUE			
BTU/LB	8280	9498	12317

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.87

EQUILIBRIUM MOISTURE: 19.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR075

YEAR: 1975

TESTHOLE: 28

LOCATION (LSD, SEC, TP, RC, MER): 5 23 46 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 330.00 - 335.00

DEPTH (METRES): 100.6 - 102.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.69			
ASH	23.55	25.8		
VOLATILE MATTER	28.44	32.2		
FIXED CARBON	38.31	41.0		

HEATING VALUE

BTU/LB	8890	8517
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.51

EQUILIBRIUM MOISTURE: 18.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR075

YEAR: 1975

TESTHOLE: 33

LOCATION (LSD, SEC, TP, RC, MER): 5 26 45 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 205.00 - 220.00

DEPTH (METRES): 62.5 - 67.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.70			
ASH	25.50	28.2		
VOLATILE MATTER	25.99	29.7		
FIXED CARBON	35.81	41.0		

HEATING VALUE

BTU/LB	7780	8888
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.65

EQUILIBRIUM MOISTURE: 20.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO75

YEAR: 1975

TESTHOLE: 28

LOCATION (LSD, SEC, TP, RC, MER): 5 23 46 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 330.00 - 338.00

DEPTH (METRES): 100.6 - 102.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.69			
ASH	23.58	25.8		
VOLATILE MATTER	28.44	32.2		
FIXED CARBON	38.31	41.8		

HEATING VALUE

BTU/LB	8890	8817
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.51

EQUILIBRIUM MOISTURE: 16.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO75

YEAR: 1975

TESTHOLE: 33

LOCATION (LSD, SEC, TP, RC, MER): 5 26 45 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 206.00 - 220.00

DEPTH (METRES): 62.5 - 67.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.70			
ASH	25.60	28.2		
VOLATILE MATTER	25.98	29.7		
FIXED CARBON	35.61	41.0		

HEATING VALUE

BTU/LB	7760	8688
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.85

EQUILIBRIUM MOISTURE: 20.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR113

YEAR: 1976

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 231.90 - 232.90

DEPTH (METRES): 70.7 - 71.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.61			28.44
ASH	36.27	39.9		29.35
VOLATILE MATTER	23.21	26.2		19.32
FIXED CARBON	29.91	33.6		24.89

HEATING VALUE
BTU/LB 6380 7220 5310

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE: 21.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR114

YEAR: 1976

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 232.90 - 233.90

DEPTH (METRES): 71.0 - 71.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.18			25.79
ASH	19.02	21.9		16.26
VOLATILE MATTER	22.09	36.9		47.3
FIXED CARBON	35.71	41.1		52.6

HEATING VALUE
BTU/LB 8470 9760 7240 12488

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.44

EQUILIBRIUM MOISTURE: 22.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR117

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RC, MER): 13 22 44 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 226.30 - 226.30

DEPTH (METRES): 71.7 - 72.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.75		16.33	
ASH	48.44	53.0	44.42	
VOLATILE MATTER	21.31	23.3	18.54	
FIXED CARBON	21.49	23.5	19.71	
HEATING VALUE				
BTU/LB	4800	5250	4400	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.32

EQUILIBRIUM MOISTURE: 17.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR118

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RC, MER): 13 22 44 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 226.30 - 227.50

DEPTH (METRES): 72.0 - 72.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.55		21.23	
ASH	12.70	14.5	11.44	
VOLATILE MATTER	33.41	38.2	30.08	44.7
FIXED CARBON	41.34	47.2	37.24	55.2
HEATING VALUE				
BTU/LB	8450	10510	8510	12545

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.54

EQUILIBRIUM MOISTURE: 21.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR121

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 386.10 - 387.10

DEPTH (METRES): 117.7 - 118.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.72		18.89	
ASH	9.78	11.2	9.08	
VOLATILE MATTER	33.98	38.9	31.54	43.8
FIXED CARBON	43.52	48.6	40.28	56.1
HEATING VALUE				
BTU/LB	9950	11389	8234	12836

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.50

EQUILIBRIUM MOISTURE: 21.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR122

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 387.10 - 388.10

DEPTH (METRES): 118.0 - 118.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.84		18.62	
ASH	11.49	13.0	10.47	
VOLATILE MATTER	25.87	37.8	30.52	43.6
FIXED CARBON	43.20	48.0	39.38	56.3
HEATING VALUE				
BTU/LB	8750	11059	8889	12715

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.48

EQUILIBRIUM MOISTURE: 20.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR126

YEAR: 1976

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 10 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 390.10 - 391.10

DEPTH (METRES): 118.9 - 119.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.44		22.33	
ASH	5.72	8.6	5.13	
VOLATILE MATTER	33.20	38.3	29.78	41.0
FIXED CARBON	47.64	55.0	42.76	58.9
HEATING VALUE BTU/LB	10230	11818	9179	12864

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.31

EQUILIBRIUM MOISTURE: 22.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR126

YEAR: 1976

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 10 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 391.10 - 392.10

DEPTH (METRES): 119.2 - 119.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.92		21.31	
ASH	12.31	14.1	11.12	
VOLATILE MATTER	29.28	33.6	26.48	38.1
FIXED CARBON	46.49	52.2	41.11	50.8
HEATING VALUE BTU/LB	9330	10713	8430	12477

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.18

EQUILIBRIUM MOISTURE: 20.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7008-75

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 230.90 - 231.90

DEPTH (METRES): 70.3 - 70.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		15.4		
VOLATILE MATTER		36.1		42.6
FIXED CARBON		48.5		57.3
HEATING VALUE				
BTU/LB		10490		12390

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.40

EQUILIBRIUM MOISTURE: 22.70

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7015-75

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 237.50 - 238.50

DEPTH (METRES): 72.4 - 72.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		7.4		
VOLATILE MATTER				
FIXED CARBON				
HEATING VALUE				
BTU/LB				

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
68.70 4.10 .50

EQUILIBRIUM MOISTURE: 23.40

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: ARO78

YEAR: 1976

TESTHOLE: 36

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 400.00 - 405.00

DEPTH (METRES): 121.9 - 123.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.59			
ASH	23.24	25.7		
VOLATILE MATTER	29.78	32.8		
FIXED CARBON	37.41	41.3		

HEATING VALUE				
BTU/LB	8170	9036		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.52	

EQUILIBRIUM MOISTURE: 19.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: ARO80

YEAR: 1976

TESTHOLE: 36

LOCATION (LSD, SEC, TP, RG, MER): 15 22 44 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 800.00 - 800.00

DEPTH (METRES): 182.9 - 182.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.91			
ASH	43.76	48.0		
VOLATILE MATTER	22.84	25.1		
FIXED CARBON	24.38	26.7		

HEATING VALUE				
BTU/LB	5480	6016		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.37	

EQUILIBRIUM MOISTURE: 18.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR135

YEAR: 1975

TESTHOLE: 40

LOCATION (LSD, SEC, TP, RG, MER): 4 27 42 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 85.00 - 95.00

DEPTH (METRES): 25.9 - 28.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.88			
ASH	20.76	22.8		
VLATILE MATTER	33.91	37.2		46.2
FIXED CARBON	36.35	39.9		51.7
HEATING VALUE				
BTU/LB	8280	9217		11838

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.71

EQUILIBRIUM MOISTURE: 18.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR136

YEAR: 1975

TESTHOLE: 40

LOCATION (LSD, SEC, TP, RG, MER): 4 27 42 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 210.00 - 215.00

DEPTH (METRES): 64.0 - 65.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.08			
ASH	24.88	26.8		
VLATILE MATTER	32.88	35.5		
FIXED CARBON	34.88	37.6		
HEATING VALUE				
BTU/LB	8080	8780		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.33

EQUILIBRIUM MOISTURE: 18.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR184

YEAR: 1975

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 13 15 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 275.70 - 276.20

DEPTH (METRES): 84.0 - 84.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.84		14.59	
ASH	86.45	89.7	75.83	
VOLATILE MATTER	7.30	7.5	6.47	
FIXED CARBON	2.61	2.7	2.31	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.08	

EQUILIBRIUM MOISTURE: 7.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR185

YEAR: 1975

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 13 15 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 275.20 - 277.20

DEPTH (METRES): 84.2 - 84.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.28		23.48	
ASH	18.88	21.5	19.47	
VOLATILE MATTER	36.87	40.6	31.13	51.8
FIXED CARBON	33.16	37.8	26.92	48.1

HEATING VALUE
BTU/LB

6850	10088	7719	12886
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.44	

EQUILIBRIUM MOISTURE: 20.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR188

YEAR: 1975

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 13 15 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 278.20 - 280.20

DEPTH (METRES): 85.1 - 85.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.21		24.90	
ASH	11.64	13.2	9.98	
VOLATILE MATTER	34.65	38.7	28.81	45.7
FIXED CARBON	41.30	47.0	35.33	54.2

HEATING VALUE				
BTU/LB	8690	11037	8288	12724

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.21

EQUILIBRIUM MOISTURE: 20.50

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR189

YEAR: 1975

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 13 15 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 280.20 - 281.50

DEPTH (METRES): 85.4 - 85.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.48		18.87	
ASH	34.48	38.5	31.25	
VOLATILE MATTER	25.59	28.5	23.20	
FIXED CARBON	28.44	32.8	28.67	

HEATING VALUE				
BTU/LB	8820	7730	8271	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.31

EQUILIBRIUM MOISTURE: 16.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR172

YEAR: 1975

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 13 15 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 284.40 - 285.40

DEPTH (METRES): 86.7 - 87.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.88		28.61	
ASH	28.04	31.8	22.72	
VOLATILE MATTER	28.80	33.8	24.14	
FIXED CARBON	30.27	34.3	24.53	

HEATING VALUE				
BTU/LB	7590	8513	6148	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.32

EQUILIBRIUM MOISTURE: 20.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR173

YEAR: 1975

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 13 15 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 285.40 - 286.40

DEPTH (METRES): 87.0 - 87.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.97		28.99	
ASH	7.45	8.5	8.35	
VOLATILE MATTER	33.05	38.4	28.16	42.0
FIXED CARBON	45.53	52.8	38.80	57.8

HEATING VALUE				
BTU/LB	10380	12085	8845	13208

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.42

EQUILIBRIUM MOISTURE: 20.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR176

YEAR: 1976

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RC, MER): 13 16 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 288.70 - 289.20

DEPTH (METRES): 88.0 - 88.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.62			21.48
ASH	73.05	77.4		80.77
VLATILE MATTER	13.11	13.6		10.81
FIXED CARBON	8.22	8.7		6.63

HEATING VALUE

BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.18

EQUILIBRIUM MOISTURE: 14.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7007-75

YEAR: 1976

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RC, MER): 12 16 41 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 278.30 - 278.30

DEPTH (METRES): 84.8 - 85.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE		6.3		
ASH		29.5		42.1
VLATILE MATTER		54.2		57.8
FIXED CARBON				

HEATING VALUE

BTU/LB

11710

12497

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE: 22.00

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR140

YEAR: 1975

TESTHOLE: 44

LOCATION (LSD, SEC. TP, RG, MER): 15 15 42 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 585.00 - 595.00

DEPTH (METRES): 178.3 - 181.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.23			
ASH	22.32	24.3		
VOLATILE MATTER	31.68	34.5		45.6
FIXED CARBON	37.76	41.1		54.3

HEATING VALUE				
BTU/LB	8410	8164		12108

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.80

EQUILIBRIUM MOISTURE: 18.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR141

YEAR: 1975

TESTHOLE: 45

LOCATION (LSD, SEC. TP, RG, MER): 3 27 40 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 75.00 - 75.00

DEPTH (METRES): 22.8 - 22.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.15			
ASH	10.76	11.8		
VOLATILE MATTER	33.84	37.3		42.3
FIXED CARBON	45.15	50.7		57.5

HEATING VALUE				
BTU/LB	8570	10643		12072

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.05

EQUILIBRIUM MOISTURE: 20.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR144

YEAR: 1975

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 13 23 40 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 85.00 - 100.00

DEPTH (METRES): 26.8 - 30.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.48			
ASH	23.53	25.7		
VOLATILE MATTER	31.41	34.3		
FIXED CARBON	38.60	39.9		
HEATING VALUE				
BTU/LB	8310	9077		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.90

EQUILIBRIUM MOISTURE: 20.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR145

YEAR: 1975

TESTHOLE: 48

LOCATION (LSD, SEC, TP, RG, MER): 16 22 39 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 105.00 - 110.00

DEPTH (METRES): 32.0 - 33.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.48			
ASH	23.38	25.5		
VOLATILE MATTER	31.49	34.3		
FIXED CARBON	36.71	40.0		
HEATING VALUE				
BTU/LB	7860	8884		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.14

EQUILIBRIUM MOISTURE: 19.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR177

YEAR: 1975

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RG, MER): 13 21 38 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 340.90 - 341.40

DEPTH (METRES): 103.9 - 104.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.72		12.23	
ASH	68.74	84.1	62.61	
VOLATILE MATTER	2.95	3.1	2.75	
FIXED CARBON	2.59	2.7	2.41	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.21

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR178

YEAR: 1975

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RG, MER): 13 21 38 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 341.40 - 341.90

DEPTH (METRES): 104.0 - 104.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.35		16.11	
ASH	61.13	66.7	56.92	
VOLATILE MATTER	12.93	14.1	11.98	
FIXED CARBON	17.59	18.1	16.29	

HEATING VALUE
BTU/LB

2900	3184	2885
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.29

EQUILIBRIUM MOISTURE: 15.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR181

YEAR: 1975

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RG, MER): 13 21 36 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 342.90 - 344.90

DEPTH (METRES): 104.8 - 105.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.85		24.48	
ASH	10.23	11.8	8.87	
VOLATILE MATTER	27.86	32.1	24.25	36.4
FIXED CARBON	48.26	56.0	42.32	63.6
HEATING VALUE BTU/LB	9650	11201	8481	12709

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.44

EQUILIBRIUM MOISTURE: 22.90

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR182

YEAR: 1975

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RG, MER): 13 21 36 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 344.90 - 346.40

DEPTH (METRES): 105.1 - 105.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.84		18.58	
ASH	78.03	83.7	69.62	
VOLATILE MATTER	7.70	8.2	8.87	
FIXED CARBON	7.43	7.9	8.63	
HEATING VALUE BTU/LB				

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.16

EQUILIBRIUM MOISTURE: 16.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR185

YEAR: 1975

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RG, MER): 13 21 38 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 350.80 - 351.90

DEPTH (METRES): 106.9 - 107.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	14.49		24.23	
ASH	19.54	22.8	17.31	
VOLATILE MATTER	23.24	27.1	20.59	25.2
FIXED CARBON	42.73	49.9	37.67	54.7
HEATING VALUE				
BTU/LB	8250	9785	7399	12857

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.51

EQUILIBRIUM MOISTURE: 23.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7008-75

YEAR: 1975

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RG, MER): 13 21 38 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 342.80 - 343.80

DEPTH (METRES): 104.5 - 104.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		17.1		
VOLATILE MATTER		34.7		41.8
FIXED CARBON		48.2		58.1
HEATING VALUE				
BTU/LB		10200		12302

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.40

EQUILIBRIUM MOISTURE: 23.30

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR149

YEAR: 1975

TESTHOLE: 52

LOCATION (LSD, SEC, TP, RG, MER): 13 22 38 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 515.00 - 520.00

DEPTH (METRES): 157.0 - 158.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.53			
ASH	31.22	34.6		
VOLATILE MATTER	26.55	28.3		
FIXED CARBON	32.70	36.1		

HEATING VALUE
BTU/LB

7220 7880

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.93	

EQUILIBRIUM MOISTURE: 21.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR150

YEAR: 1975

TESTHOLE: 53

LOCATION (LSD, SEC, TP, RG, MER): 14 23 38 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 455.00 - 455.00

DEPTH (METRES): 138.7 - 138.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.72			
ASH	33.86	36.6		
VOLATILE MATTER	31.23	34.2		
FIXED CARBON	26.59	28.1		

HEATING VALUE
BTU/LB

7060 7734

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.71	

EQUILIBRIUM MOISTURE: 17.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR153

YEAR: 1975

TESTHOLE: 55

LOCATION (LSD, SEC, TP, RG, MER): 4 26 37 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 400.00 - 400.00

DEPTH (METRES): 121.9 - 121.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	10.15			
ASH	15.67	17.4		
VOLATILE MATTER	38.86	44.3		53.7
FIXED CARBON	34.32	38.1		45.2
HEATING VALUE				
BTU/LB	8860	9863		11870

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.34

EQUILIBRIUM MOISTURE: 18.80

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7025-75

YEAR: 1975

TESTHOLE: 55

LOCATION (LSD, SEC, TP, RG, MER): 4 26 37 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 400.00 - 400.00

DEPTH (METRES): 121.9 - 121.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		15.6		
VOLATILE MATTER		37.7		44.8
FIXED CARBON		46.7		55.3
HEATING VALUE				
BTU/LB		10320		12227

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.50

EQUILIBRIUM MOISTURE: 23.40

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR166

YEAR: 1976

TESTHOLE: 68

LOCATION (LSD, SEC, TP, RG, MER): 4 25 36 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 330.00 - 335.00

DEPTH (METRES): 100.6 - 102.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.17			
ASH	22.83	25.2		
VOLATILE MATTER	22.22	35.4		
FIXED CARBON	35.86	39.2		
HEATING VALUE				
BTU/LB	8290	9126		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.26

EQUILIBRIUM MOISTURE: 20.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR202

YEAR: 1976

TESTHOLE: 80

LOCATION (LSD, SEC, TP, RG, MER): 1 21 36 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 198.10 - 198.60

DEPTH (METRES): 60.3 - 60.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.01		31.46	
ASH	61.60	66.8	46.62	
VOLATILE MATTER	17.19	18.6	12.61	
FIXED CARBON	13.30	14.4	9.91	
HEATING VALUE				
BTU/LB	3284	3546	2432	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.29

EQUILIBRIUM MOISTURE: 20.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR206

YEAR: 1975

TESTHOLE: 60

LOCATION (LSD, SEC, TP, RG, MER): 1 21 35 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 200.80 - 201.80

DEPTH (METRES): 61.1 - 61.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.56		22.05	
ASH	6.72	7.5	5.89	
VLATILE MATTER	40.54	45.3	36.14	50.2
FIXED CARBON	40.18	45.9	35.82	49.7
HEATING VALUE				
BTU/LB	8800	11207	8736	12139

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.32

EQUILIBRIUM MOISTURE: 21.10

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR206

YEAR: 1975

TESTHOLE: 60

LOCATION (LSD, SEC, TP, RG, MER): 1 21 35 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 201.60 - 202.50

DEPTH (METRES): 61.4 - 61.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.72		23.85	
ASH	6.47	8.1	3.94	
VLATILE MATTER	38.30	45.5	34.89	48.0
FIXED CARBON	42.81	49.2	37.82	51.9
HEATING VALUE				
BTU/LB	8882	11453	8721	12078

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE: 22.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR209

YEAR: 1975

TESTHOLE: 80

LOCATION (LSD, SEC, TP, RG, MER): 1 21 35 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 481.40 - 481.90

DEPTH (METRES): 148.8 - 148.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.08		17.71	
ASH	84.89	88.3	72.88	
VOLATILE MATTER	7.88	8.1	8.75	
FIXED CARBON	3.37	3.6	2.89	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.20

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR210

YEAR: 1975

TESTHOLE: 80

LOCATION (LSD, SEC, TP, RG, MER): 1 21 35 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 481.90 - 482.80

DEPTH (METRES): 148.8 - 150.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.20		28.00	
ASH	20.27	23.3	17.28	
VOLATILE MATTER	34.59	39.8	28.49	51.8
FIXED CARBON	31.94	36.8	27.23	48.0

HEATING VALUE
BTU/LB

7985	9176	8782	11971
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.44

EQUILIBRIUM MOISTURE: 21.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7008-75

YEAR: 1975

TESTHOLE: 80

LOCATION (LSD, SEC, TP, RG, MER): 1 21 35 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 198.70 - 199.70

DEPTH (METRES): 60.5 - 60.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		18.7		
VOLATILE MATTER		38.2		45.0
FIXED CARBON		44.1		54.8
HEATING VALUE				
BTU/LB		8770		12166

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE: 22.80

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7018-75

YEAR: 1975

TESTHOLE: 80

LOCATION (LSD, SEC, TP, RG, MER): 1 21 35 16 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 200.70 - 201.70

DEPTH (METRES): 61.1 - 61.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		10.4		
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
86.30	4.00			.30

EQUILIBRIUM MOISTURE: 23.50

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR160

YEAR: 1976

TESTHOLE: 60

LOCATION (LSD, SEC, TP, RG, MER): 1 21 35 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 525.00 - 535.00

DEPTH (METRES): 160.0 - 163.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.02			
ASH	33.88	35.5		
VOLATILE MATTER	25.23	28.3		
FIXED CARBON	23.07	25.0		
HEATING VALUE				
BTU/LB	6880	7458		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.90

EQUILIBRIUM MOISTURE: 20.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR161

YEAR: 1976

TESTHOLE: 61

LOCATION (LSD, SEC, TP, RG, MER): 1 28 35 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 370.00 - 370.00

DEPTH (METRES): 112.8 - 112.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.68			
ASH	22.14	24.5		
VOLATILE MATTER	34.36	38.0		50.3
FIXED CARBON	33.82	37.4		49.5
HEATING VALUE				
BTU/LB	8180	9058		11988

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.00

EQUILIBRIUM MOISTURE: 18.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR186

YEAR: 1975

TESTHOLE: 86

LOCATION (LSD, SEC, TP, RG, MER): 13 14 33 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 425.00 - 425.00

DEPTH (METRES): 129.5 - 129.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.40			
ASH	15.38	18.7		
VOLATILE MATTER	32.71	35.7		42.9
FIXED CARBON	43.51	47.5		57.0
HEATING VALUE				
BTU/LB	8990	9814		11794

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.38

EQUILIBRIUM MOISTURE: 18.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR187

YEAR: 1975

TESTHOLE: 87

LOCATION (LSD, SEC, TP, RG, MER): 4 27 33 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 330.00 - 335.00

DEPTH (METRES): 100.5 - 102.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	9.08			
ASH	28.40	31.2		
VOLATILE MATTER	29.80	32.8		
FIXED CARBON	32.62	35.6		
HEATING VALUE				
BTU/LB	7370	8108		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.28

EQUILIBRIUM MOISTURE: 18.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR214

YEAR: 1975

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 16 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 370.30 - 370.90

DEPTH (METRES): 112.8 - 113.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.42		21.72	
ASH	8.44	9.5	7.46	
VOLATILE MATTER	40.27	45.4	36.88	50.2
FIXED CARBON	38.67	45.0	38.23	49.7
HEATING VALUE				
BTU/LB	10425	11768	8212	13007

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
2.07

EQUILIBRIUM MOISTURE: 19.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR215

YEAR: 1975

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 16 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 370.90 - 371.90

DEPTH (METRES): 113.0 - 113.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.64		22.05	
ASH	12.24	14.0	10.82	
VOLATILE MATTER	32.88	37.6	28.34	43.7
FIXED CARBON	42.24	48.3	37.69	56.2
HEATING VALUE				
BTU/LB	9850	10943	8830	12725

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.53

EQUILIBRIUM MOISTURE: 18.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR218

YEAR: 1976

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 18 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 373.80 - 374.40

DEPTH (METRES): 113.8 - 114.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.34		20.04	
ASH	63.42	68.4	54.73	
VDLATILE MATTER	16.66	17.8	14.28	
FIXED CARBON	12.88	13.6	10.84	
HEATING VALUE				
BTU/LB	3071	3314	2860	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.37

EQUILIBRIUM MOISTURE: 16.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR219

YEAR: 1976

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 18 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 385.00 - 385.60

DEPTH (METRES): 120.4 - 120.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.91		12.62	
ASH	90.76	93.4	61.66	
VDLATILE MATTER	5.47	5.8	4.83	
FIXED CARBON	.86	.8	.77	

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.16

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR223

YEAR: 1976

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 16 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 398.50 - 399.50

DEPTH (METRES): 121.4 - 121.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.30		24.50	
ASH	4.82	5.5	4.20	
VOLATILE MATTER	35.13	41.8	31.48	44.1
FIXED CARBON	45.75	52.7	39.84	55.8

HEATING VALUE				
BTU/LB	10535	12151	9174	12886

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.46	

EQUILIBRIUM MOISTURE: 21.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR224

YEAR: 1976

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 16 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 398.50 - 400.50

DEPTH (METRES): 121.7 - 122.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.59		22.41	
ASH	4.78	5.4	4.23	
VOLATILE MATTER	34.85	39.8	30.94	42.1
FIXED CARBON	47.79	54.8	42.42	57.8

HEATING VALUE				
BTU/LB	10576	12101	9389	12798

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.42	

EQUILIBRIUM MOISTURE: 19.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR226

YEAR: 1975

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 15 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 401.50 - 402.50

DEPTH (METRES): 122.4 - 122.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.80		21.37	
ASH	5.18	7.1	5.58	
VOLATILE MATTER	35.53	40.7	32.04	43.8
FIXED CARBON	45.48	52.1	41.01	55.1

HEATING VALUE				
BTU/LB	10322	11837	8307	12741

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.54

EQUILIBRIUM MOISTURE: 20.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR227

YEAR: 1975

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 15 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 402.50 - 403.70

DEPTH (METRES): 122.7 - 123.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.08		21.36	
ASH	7.84	8.9	7.01	
VOLATILE MATTER	34.87	38.4	31.01	43.2
FIXED CARBON	45.51	51.5	40.52	55.7

HEATING VALUE				
BTU/LB	10088	11475	8024	12588

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.58

EQUILIBRIUM MOISTURE: 19.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR188

YEAR: 1975

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RG, MER): 18 22 32 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 405.00 - 405.00

DEPTH (METRES): 123.4 - 123.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.85			
ASH	20.53	22.3		
VOLATILE MATTER	33.78	38.5		47.2
FIXED CARBON	37.74	40.9		52.7
HEATING VALUE				
BTU/LB	8840	9386		12078

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			1.82	

EQUILIBRIUM MOISTURE: 20.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR190

YEAR: 1975

TESTHOLE: 75

LOCATION (LSD, SEC, TP, RG, MER): 1 27 31 17 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 238.00 - 241.00

DEPTH (METRES): 72.5 - 73.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.33			
ASH	37.12	40.0		
VOLATILE MATTER	30.02	32.3		
FIXED CARBON	25.53	27.5		
HEATING VALUE				
BTU/LB	8590	7111		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.80

EQUILIBRIUM MOISTURE: 16.50

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR127

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 382.10 - 393.10

DEPTH (METRES): 118.5 - 119.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	13.99		23.38	
ASH	5.18	5.0	4.82	
VOLATILE MATTER	31.07	38.1	27.88	38.4
FIXED CARBON	48.76	57.8	44.22	61.8
HEATING VALUE				
BTU/LB	10150	11801	8942	12558

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.41

EQUILIBRIUM MOISTURE: 21.60

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR128

YEAR: 1975

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 44 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 393.10 - 394.10

DEPTH (METRES): 119.8 - 120.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	12.18		23.18	
ASH	5.20	5.0	4.88	
VOLATILE MATTER	33.87	39.0	30.38	41.8
FIXED CARBON	47.74	54.8	42.78	58.4
HEATING VALUE				
BTU/LB	10240	11788	9178	12848

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.33

EQUILIBRIUM MOISTURE: 21.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR131

YEAR: 1976

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 64 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 305.10 - 306.90

DEPTH (METRES): 120.7 - 121.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	11.87		23.01	
ASH	13.49	15.3	11.79	
VLATILE MATTER	28.05	31.6	24.54	27.8
FIXED CARBON	45.59	52.6	40.66	62.3

HEATING VALUE

BTU/LB	9340	10505	8155	12526
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.52

EQUILIBRIUM MOISTURE: 20.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR132

YEAR: 1976

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 13 22 64 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 305.90 - 307.40

DEPTH (METRES): 121.0 - 121.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.35		18.92	
ASH	53.56	58.4	47.38	
VLATILE MATTER	18.71	20.4	15.55	
FIXED CARBON	19.38	21.1	17.15	

HEATING VALUE

BTU/LB	3900	4255	3490	
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.48

EQUILIBRIUM MOISTURE: 18.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR184

YEAR: 1975

TESTHOLE: 53

LOCATION (LSD, SEC, TP, RG, MER): 15 5 28 15 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 210.00 - 210.00

DEPTH (METRES): 64.0 - 64.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.32			
ASH	9.04	9.7		
VOLATILE MATTER	37.87	40.8		65.3
FIXED CARBON	45.87	48.2		54.5
HEATING VALUE				
BTU/LB	10300	11113		12313

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.60

EQUILIBRIUM MOISTURE: 17.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR185

YEAR: 1975

TESTHOLE: 55

LOCATION (LSD, SEC, TP, RG, MER): 13 1 30 17 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 365.00 - 365.00

DEPTH (METRES): 111.2 - 111.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.52			
ASH	17.05	18.5		
VOLATILE MATTER	35.02	38.0		65.6
FIXED CARBON	40.01	43.4		53.3
HEATING VALUE				
BTU/LB	8300	10187		12513

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.68

EQUILIBRIUM MOISTURE: 18.80

SUPPLEMENTARY ANALYSIS: NONE

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ANALYSIS NUMBER: AR236

YEAR: 1976

TESTHOLE: 86

LOCATION (LSD, SEC, TP, RG, MER): 1 20 20 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 290.70 - 291.70

DEPTH (METRES): 88.6 - 88.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.03		18.27	
ASH	12.75	14.0	11.45	
VOLATILE MATTER	33.50	35.8	30.19	42.9
FIXED CARBON	44.52	48.0	40.09	57.0
HEATING VALUE				
BTU/LB	10080	11091	8085	12899

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.29

EQUILIBRIUM MOISTURE: 17.90

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR235

YEAR: 1976

TESTHOLE: 86

LOCATION (LSD, SEC, TP, RG, MER): 1 20 20 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 289.70 - 290.70

DEPTH (METRES): 88.3 - 88.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.73		17.58	
ASH	11.05	12.2	10.10	
VOLATILE MATTER	32.88	35.5	30.12	41.8
FIXED CARBON	45.22	51.2	42.20	58.3
HEATING VALUE				
BTU/LB	10350	11485	8450	13085

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.30

EQUILIBRIUM MOISTURE: 18.80

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR221

YEAR: 1978

TESTHOLE: 88

LOCATION (LSD, SEC, TP, RC, MER): 1 28 28 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 286.50 - 287.33

DEPTH (METRES): 87.3 - 87.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.08		16.41	
ASH	23.98	26.3	22.03	
VOLATILE MATTER	28.85	32.8	27.23	
FIXED CARBON	37.38	41.0	34.33	
HEATING VALUE BTU/LB	8620	9471	7817	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.33

EQUILIBRIUM MOISTURE: 17.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR222

YEAR: 1978

TESTHOLE: 88

LOCATION (LSD, SEC, TP, RC, MER): 1 28 28 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 287.30 - 287.70

DEPTH (METRES): 87.6 - 87.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.51		18.40	
ASH	72.16	77.1	62.21	
VOLATILE MATTER	11.83	12.8	10.20	
FIXED CARBON	8.50	10.1	8.19	
HEATING VALUE BTU/LB				

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.12

EQUILIBRIUM MOISTURE: 20.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7020-76

YEAR: 1976

TESTHOLE: 86

LOCATION (LSD, SEC, TP, RG, MER): 1 20 20 10 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 289.70 - 290.70

DEPTH (METRES): 88.3 - 88.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH			14.2	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE
BTU/LB

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
84.00	4.10		.30	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR196

YEAR: 1976

TESTHOLE: 90

LOCATION (LSD, SEC, TP, RG, MER): 10 21 26 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 588.00 - 605.00

DEPTH (METRES): 182.3 - 184.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.83			
ASH	27.05	28.2		
VOLATILE MATTER	24.18	25.6		
FIXED CARBON	33.18	35.1		

HEATING VALUE
BTU/LB

7220 7850

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.66	

EQUILIBRIUM MOISTURE: 13.40

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: AR197

YEAR: 1975

TESTHOLE: 92

LOCATION (LED, SEC, TP, RG, MER): 5 14 27 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 585.00 - 585.00

DEPTH (METRES): 178.3 - 178.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.39			
ASH	35.89	38.1		
VOLATILE MATTER	23.18	24.7		
FIXED CARBON	34.74	37.1		

HEATING VALUE

BTU/LB	7180	7670
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.09

EQUILIBRIUM MOISTURE: 14.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: AR199

YEAR: 1975

TESTHOLE: 95

LOCATION (LED, SEC, TP, RG, MER): 4 28 24 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 520.00 - 520.00

DEPTH (METRES): 158.5 - 158.5

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.39			
ASH	35.01	37.3		
VOLATILE MATTER	25.45	28.2		
FIXED CARBON	32.14	34.3		

HEATING VALUE

BTU/LB	7210	7702
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.95

EQUILIBRIUM MOISTURE: 16.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-18

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 4 35 9 22 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 822.00 - 823.83

DEPTH (METRES): 189.6 - 190.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.00			17.00
ASH	73.00	74.5		81.00
VOLATILE MATTER	14.20	14.5		12.00
FIXED CARBON	10.80	11.0		8.10
HEATING VALUE				
BTU/LB	2786	2812		2334

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.34

EQUILIBRIUM MOISTURE: 8.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-19

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 4 35 9 22 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 823.83 - 824.82

DEPTH (METRES): 190.1 - 190.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20			12.40
ASH	23.60	24.5		21.60
VOLATILE MATTER	34.10	35.8		31.20
FIXED CARBON	38.20	39.9		34.90
HEATING VALUE				
BTU/LB	8508	8925		8894

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.87

EQUILIBRIUM MOISTURE: 8.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E70-8171-22

YEAR: 1976

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RC, MER): 4 25 9 22 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 827.00 - 828.00

DEPTH (METRES): 101.1 - 101.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.80		15.88	
ASH	8.30	8.6	8.10	
VOLATILE MATTER	28.10	28.1	32.90	43.2
FIXED CARBON	50.00	51.3	43.10	56.7
HEATING VALUE				
BTU/LB	12181	12474	10491	13788

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.84	

EQUILIBRIUM MOISTURE: 6.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E70-8171-23

YEAR: 1976

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RC, MER): 4 25 9 22 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 828.00 - 829.00

DEPTH (METRES): 101.4 - 101.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.10		10.80	
ASH	22.80	23.5	21.00	
VOLATILE MATTER	23.80	24.7	31.00	45.2
FIXED CARBON	40.80	41.8	37.20	54.5
HEATING VALUE				
BTU/LB	10206	10532	8395	13787

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.18	4.24	1.48	.75	11.87

EQUILIBRIUM MOISTURE: 6.80

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8171-26

YEAR: 1976

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RC, MER): 4 35 8 22 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 633.00 - 634.17

DEPTH (METRES): 192.9 - 193.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.80		10.80	
ASH	23.40	24.0	21.80	
VOLATILE MATTER	35.70	36.7	22.80	48.2
FIXED CARBON	38.30	38.3	35.20	51.7
HEATING VALUE				
BTU/LB	10084	10331	8248	13683

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.12	4.33	1.38	1.18	10.86

EQUILIBRIUM MOISTURE: 8.50

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7002-76

YEAR: 1976

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RC, MER): 4 35 8 22 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 628.00 - 629.00

DEPTH (METRES): 191.4 - 191.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		24.3		
VOLATILE MATTER		22.2		42.5
FIXED CARBON		43.5		57.4
HEATING VALUE				
BTU/LB		10180		13421

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
57.80	4.00		.70	

EQUILIBRIUM MOISTURE: 14.10

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7001-76

YEAR: 1976

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 4 35 9 22 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 824.90 - 826.00

DEPTH (METRES): 190.5 - 190.8

STATUS: CORE

PROXIMAL ANALYSIS

MOISTURE	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
ASH		12.6		
VOLATILE MATTER		36.4		41.6
FIXED CARBON		51.0		58.3
HEATING VALUE				
BTU/LB		11750		13443

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
68.30	4.60			.70

EQUILIBRIUM MOISTURE: 12.60

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-6185-11

YEAR: 1976

TESTHOLE: 28

LOCATION (LSD, SEC, TP, RG, MER): 1 17 11 21 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 441.00 - 441.00

DEPTH (METRES): 134.4 - 134.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

MOISTURE	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
ASH	2.30			
ASH	47.70	48.8		
VOLATILE MATTER	24.10	24.7		
FIXED CARBON	25.00	26.5		
HEATING VALUE				
BTU/LB	8098	8241		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.54

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8171-4

YEAR: 1976

TESTHOLE: 35

LOCATION (LSD, SEC, TP, RG, MER): 1 27 14 20 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 352.00 - 358.00

DEPTH (METRES): 107.3 - 109.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30		13.60	
ASH	21.10	22.3	19.30	
VOLATILE MATTER	35.20	37.2	32.10	47.8
FIXED CARBON	38.40	40.5	35.00	52.1
HEATING VALUE				
BTU/LB	9718	10251	8856	13205

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.82	4.24	1.51	.63	12.47

EQUILIBRIUM MOISTURE: 12.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-12

YEAR: 1976

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 23 15 21 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 820.00 - 820.00

DEPTH (METRES): 250.0 - 250.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.30			
ASH	14.80	15.3		
VOLATILE MATTER	35.60	35.8		43.4
FIXED CARBON	45.30	47.0		56.5
HEATING VALUE				
BTU/LB	10472	10828		12785

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.61

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8171-6

YEAR: 1976

TESTHOLE: 39

LOCATION (LSD, SEC, TP, RG, MER): 16 22 16 20 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 700.10 - 700.70

DEPTH (METRES): 213.4 - 213.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.10		12.80	
ASH	32.00	34.1	29.40	
VOLATILE MATTER	28.30	28.2	25.10	
FIXED CARBON	35.60	35.7	31.60	
HEATING VALUE				
BTU/LB	8017	8273	7123	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.69	

EQUILIBRIUM MOISTURE: 12.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-7

YEAR: 1976

TESTHOLE: 39

LOCATION (LSD, SEC, TP, RG, MER): 16 22 16 20 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 688.00 - 688.66

DEPTH (METRES): 209.7 - 209.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20		14.80	
ASH	21.60	22.8	19.40	
VOLATILE MATTER	35.60	37.4	21.80	48.4
FIXED CARBON	37.70	39.8	33.90	51.5
HEATING VALUE				
BTU/LB	8632	10160	8648	13190

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.69	

EQUILIBRIUM MOISTURE: 12.00

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-13

YEAR: 1976

TESTHOLE: 39

LOCATION (LSD, SEC, TP, RG, MER): 18 22 18 20 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 700.00 - 704.00

DEPTH (METRES): 213.4 - 214.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.20			
ASH	18.70	18.3		
VOLATILE MATTER	38.90	27.1		45.8
FIXED CARBON	42.20	43.6		54.0
HEATING VALUE				
BTU/LB	10008	10338		12811

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.66

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-14

YEAR: 1976

TESTHOLE: 41

LOCATION (LSD, SEC, TP, RG, MER): 1 10 17 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 154.00 - 187.00

DEPTH (METRES): 46.9 - 57.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.40			
ASH	9.80	10.1		
VOLATILE MATTER	38.80	38.8		41.0
FIXED CARBON	51.20	53.0		58.8
HEATING VALUE				
BTU/LB	11137	11528		12824

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.63

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-12

YEAR: 1976

TESTHOLE: 42

LOCATION (LSD, SEC, TP, RG, MER): 14 21 15 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 605.42 - 605.82

DEPTH (METRES): 184.5 - 184.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.80		8.80	
ASH	71.70	73.6	87.10	
VOLATILE MATTER	14.10	14.6	13.20	
FIXED CARBON	11.80	11.9	10.80	
HEATING VALUE				
BTU/LB	2808	2883	2629	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.20

EQUILIBRIUM MOISTURE: 7.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-13

YEAR: 1976

TESTHOLE: 42

LOCATION (LSD, SEC, TP, RG, MER): 14 21 15 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 605.82 - 606.82

DEPTH (METRES): 184.7 - 185.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.10		10.40	
ASH	60.60	62.5	58.00	
VOLATILE MATTER	21.10	21.8	18.60	
FIXED CARBON	15.20	15.7	14.10	
HEATING VALUE				
BTU/LB	4298	4433	3972	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.24

EQUILIBRIUM MOISTURE: 9.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-16

YEAR: 1976

TESTHOLE: 42

LOCATION (LSD, SEC, TP, RG, MER): 14 21 16 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 808.92 - 808.92

DEPTH (METRES): 185.6 - 185.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80		19.20	
ASH	23.10	24.4	19.70	
VLATILE MATTER	32.90	34.8	28.10	46.0
FIXED CARBON	28.50	40.8	33.00	53.8
HEATING VALUE BTU/LB	8200	8735	7866	12876

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.39	

EQUILIBRIUM MOISTURE: 12.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-17

YEAR: 1976

TESTHOLE: 42

LOCATION (LSD, SEC, TP, RG, MER): 14 21 16 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 808.92 - 810.25

DEPTH (METRES): 185.9 - 186.0

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.20		22.20	
ASH	81.00	82.4	48.50	
VLATILE MATTER	14.80	14.8	11.80	
FIXED CARBON	22.20	22.7	17.70	
HEATING VALUE BTU/LB	4826	4944	3648	

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.88	

EQUILIBRIUM MOISTURE: 6.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-17

YEAR: 1976

TESTHOLE: 42

LOCATION (LSD, SEC, TP, RG, MER): 14 21 16 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 805.00 - 805.00

DEPTH (METRES): 184.4 - 184.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.10			
ASH	49.80	51.4		
VOLATILE MATTER	23.20	23.9		
FIXED CARBON	23.80	24.7		

HEATING VALUE				
BTU/LB	5589	5768		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.41		

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-18

YEAR: 1976

TESTHOLE: 43

LOCATION (LSD, SEC, TP, RG, MER): 1 21 17 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 383.00 - 383.00

DEPTH (METRES): 110.8 - 110.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.10			
ASH	15.80	16.2		
VOLATILE MATTER	34.80	36.0		42.9
FIXED CARBON	48.80	47.8		57.0

HEATING VALUE				
BTU/LB	10218	10885		12714

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				
		.58		

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-21

YEAR: 1976

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RC, MER): 13 21 18 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 85.00 - 88.00

DEPTH (METRES): 26.0 - 30.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.10			
ASH	5.80	6.2		
VOLATILE MATTER	37.20	39.2		41.7
FIXED CARBON	51.80	54.6		58.2
HEATING VALUE				
BTU/LB	10885	11470		12228

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.77	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-22

YEAR: 1976

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RC, MER): 13 21 18 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 455.00 - 460.00

DEPTH (METRES): 138.7 - 140.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.50			
ASH	19.80	20.7		
VOLATILE MATTER	35.70	37.4		47.1
FIXED CARBON	40.00	41.9		52.6
HEATING VALUE				
BTU/LB	9897	10154		12804

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			2.25	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E78-8171-1

YEAR: 1976

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RC, MER): 1 20 19 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 189.00 - 190.00

DEPTH (METRES): 57.6 - 57.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.10		15.30	
ASH	15.70	16.4	13.80	
VOLATILE MATTER	37.10	38.7	32.80	46.2
FIXED CARBON	43.10	44.9	38.00	53.7

HEATING VALUE				
BTU/LB	10301	10741	9088	12848

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
82.07	4.42	1.40	.56	16.15

EQUILIBRIUM MOISTURE: 13.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E78-8171-2A

YEAR: 1976

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RC, MER): 1 20 18 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 190.00 - 191.00

DEPTH (METRES): 57.9 - 58.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.10		15.80	
ASH	5.80	5.9	4.80	
VOLATILE MATTER	38.00	40.5	32.70	43.0
FIXED CARBON	50.40	53.9	44.50	56.9

HEATING VALUE				
BTU/LB	11327	12062	10024	12818

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.53	

EQUILIBRIUM MOISTURE: 14.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-25

YEAR: 1976

TESTHOLE: 51

LOCATION (LSD, SEC, TP, RC, MER): 1 20 18 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 180.00 - 190.00

DEPTH (METRES): 57.9 - 57.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	7.80	7.8		
VOLATILE MATTER	37.80	29.4		42.7
FIXED CARBON	50.70	52.7		57.2
HEATING VALUE				
BTU/LB	11524	11880		13018

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.77

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-26

YEAR: 1976

TESTHOLE: 54

LOCATION (LSD, SEC, TP, RC, MER): 18 18 20 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 98.00 - 100.00

DEPTH (METRES): 30.1 - 30.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.30			
ASH	41.10	42.5		
VOLATILE MATTER	25.40	25.3		
FIXED CARBON	30.20	31.2		
HEATING VALUE				
BTU/LB	8488	8702		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.51

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-28

YEAR: 1976

TESTHOLE: 55

LOCATION (LSD, SEC, TP, RG, MER): 13 11 20 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 147.00 - 150.00

DEPTH (METRES): 44.8 - 45.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.20			
ASH	8.30	8.0		
VOLATILE MATTER	36.30	36.7		42.4
FIXED CARBON	49.20	52.4		57.5

HEATING VALUE				
BTU/LB	10310	10881		12084

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.52	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-29

YEAR: 1976

TESTHOLE: 56

LOCATION (LSD, SEC, TP, RG, MER): 16 21 18 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 877.00 - 880.00

DEPTH (METRES): 267.3 - 271.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.00			
ASH	14.80	15.0		
VOLATILE MATTER	34.80	35.7		42.0
FIXED CARBON	47.80	49.3		58.0

HEATING VALUE				
BTU/LB	10415	10737		12631

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.35	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-32

YEAR: 1976

TESTHOLE: 80

LOCATION (LSD, SEC, TP, RG, MER): 4 27 20 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 820.00 - 820.00

DEPTH (METRES): 189.0 - 189.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.30			
ASH	41.80	42.8		
VOLATILE MATTER	25.70	28.3		
FIXED CARBON	30.20	30.8		
HEATING VALUE				
BTU/LB	8894	8851		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.88

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-32

YEAR: 1976

TESTHOLE: 80

LOCATION (LSD, SEC, TP, RG, MER): 4 27 20 22 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 850.00 - 850.00

DEPTH (METRES): 198.1 - 198.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	25.20	28.2		
VOLATILE MATTER	33.30	34.6		
FIXED CARBON	37.70	38.2		
HEATING VALUE				
BTU/LB	8890	8241		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.63

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8185-35

YEAR: 1976

TESTHOLE: 82

LOCATION (LSD, SEC, TP, RG, MER): 16 22 22 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 579.00 - 580.00

DEPTH (METRES): 176.5 - 176.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

AS DETERMINED DRY BASIS AS RECEIVED DRY ASH FREE

MOISTURE	3.90		
ASH	38.50	38.0	
VOLATILE MATTER	26.90	28.0	
FIXED CARBON	32.70	34.0	
HEATING VALUE			
BTU/LB	6876	7155	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.30

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-36

YEAR: 1976

TESTHOLE: 82

LOCATION (LSD, SEC, TP, RG, MER): 16 22 22 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 584.00 - 588.00

DEPTH (METRES): 169.9 - 179.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

AS DETERMINED DRY BASIS AS RECEIVED DRY ASH FREE

MOISTURE	5.40		
ASH	21.90	23.1	
VOLATILE MATTER	31.10	32.9	42.7
FIXED CARBON	41.60	44.0	57.2
HEATING VALUE			
BTU/LB	8988	9478	12328

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.52

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8165-30

YEAR: 1976

TESTHOLE: 84

LOCATION (LSD, SEC, TP, RC, MER): 16 21 23 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 376.00 - 378.00

DEPTH (METRES): 114.3 - 115.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	7.80	8.3		
VOLATILE MATTER	37.00	38.3		42.8
FIXED CARBON	48.40	52.4		57.1
HEATING VALUE BTU/LB	10438	11081		12083

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.42

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-27

YEAR: 1976

TESTHOLE: 85

LOCATION (LSD, SEC, TP, RC, MER): 16 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 308.50 - 309.00

DEPTH (METRES): 94.0 - 94.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20		18.50	
ASH	5.70	5.0	4.80	
VOLATILE MATTER	36.90	38.8	31.70	41.3
FIXED CARBON	52.20	55.1	64.80	58.5
HEATING VALUE BTU/LB	11527	12189	9818	12045

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.73

EQUILIBRIUM MOISTURE: 18.70

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-30

YEAR: 1976

TESTHOLE: 65

LOCATION (LSD, SEC, TP, RG, MER): 16 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 321.00 - 322.00

DEPTH (METRES): 97.8 - 98.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20		17.40	
ASH	14.60	15.2	12.60	
VOLATILE MATTER	35.60	38.2	31.60	45.0
FIXED CARBON	44.60	45.5	36.60	54.8
HEATING VALUE BTU/LB	10351	10815	8833	12753

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
62.91	4.24	1.29	.45	15.87

EQUILIBRIUM MOISTURE: 15.90

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8171-31

YEAR: 1976

TESTHOLE: 65

LOCATION (LSD, SEC, TP, RG, MER): 16 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 322.00 - 323.17

DEPTH (METRES): 98.1 - 98.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.00		18.60	
ASH	6.60	6.9	5.50	
VOLATILE MATTER	36.60	38.1	30.60	40.9
FIXED CARBON	52.60	55.0	44.10	59.0
HEATING VALUE BTU/LB	11439	11915	9586	12786

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.58	

EQUILIBRIUM MOISTURE: 17.30

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E78-8171-34

YEAR: 1978

TESTHOLE: 65

LOCATION (LSD, SEC, TP, RG, MER): 15 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 324.87 - 325.87

DEPTH (METRES): 99.0 - 99.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.40		20.50	
ASH	8.80	8.2	7.30	
VOLATILE MATTER	38.80	41.6	33.10	45.6
FIXED CARBON	47.00	48.2	38.10	54.1

HEATING VALUE				
BTU/LB	11176	11680	9264	12674

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
67.15	4.48	1.48	.62	17.03

EQUILIBRIUM MOISTURE: 16.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E78-8171-35

YEAR: 1978

TESTHOLE: 65

LOCATION (LSD, SEC, TP, RG, MER): 15 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 325.87 - 326.00

DEPTH (METRES): 99.2 - 99.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.70		15.80	
ASH	23.10	24.0	20.20	
VOLATILE MATTER	34.00	35.3	28.70	48.4
FIXED CARBON	39.20	40.7	34.20	53.5

HEATING VALUE				
BTU/LB	9075	8423	7825	12398

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.58	

EQUILIBRIUM MOISTURE: 14.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-38

YEAR: 1976

TESTHOLE: 85

LOCATION (LSD, SEC, TP, RG, MER): 18 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 327.33 - 327.63

DEPTH (METRES): 99.7 - 99.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80		18.30	
ASH	10.60	11.0	8.00	
VOLATILE MATTER	36.80	38.4	31.40	43.1
FIXED CARBON	48.30	50.8	41.30	58.8

HEATING VALUE				
BTU/LB	11048	11581	9482	13012

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				1.21

EQUILIBRIUM MOISTURE: 15.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8171-39

YEAR: 1976

TESTHOLE: 85

LOCATION (LSD, SEC, TP, RG, MER): 18 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 327.63 - 328.33

DEPTH (METRES): 99.8 - 100.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	1.80		13.00	
ASH	31.10	32.6	30.80	
VOLATILE MATTER				
FIXED CARBON				

HEATING VALUE

BTU/LB				
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E75-8171-64

YEAR: 1976

TESTHOLE: 65

LOCATION (LSD, SEC, TP, RG, MER): 16 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 323.67 - 324.67

DEPTH (METRES): 98.6 - 98.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.40		18.90	
ASH	22.10	23.1	19.20	
VOLATILE MATTER	36.00	37.7	31.30	48.0
FIXED CARBON	37.50	38.2	32.60	50.9

HEATING VALUE

BTU/LB	9410	9843	8180	12799
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.82

EQUILIBRIUM MOISTURE: 14.60

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7003-76

YEAR: 1976

TESTHOLE: 65

LOCATION (LSD, SEC, TP, RG, MER): 16 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 321.00 - 322.00

DEPTH (METRES): 97.8 - 98.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		21.1		
VOLATILE MATTER		33.3		42.2
FIXED CARBON		45.6		57.7

HEATING VALUE

BTU/LB		9660		12243
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
57.50	3.90			.40

EQUILIBRIUM MOISTURE: 16.60

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8165-41

YEAR: 1976

TESTHOLE: 66

LOCATION (LSD, SEC, TP, RC, MER): 18 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 307.00 - 308.00

DEPTH (METRES): 93.5 - 94.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.90			
ASH	7.10	7.4		
VOLATILE MATTER	38.70	40.3		42.5
FIXED CARBON	50.30	52.3		55.4
HEATING VALUE				
BTU/LB	10908	11345		12251

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.51

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8165-42

YEAR: 1976

TESTHOLE: 66

LOCATION (LSD, SEC, TP, RC, MER): 18 20 23 20 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 320.00 - 323.00

DEPTH (METRES): 97.5 - 98.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.80			
ASH	28.40	28.2		
VOLATILE MATTER	35.20	35.2		
FIXED CARBON	33.80	34.5		
HEATING VALUE				
BTU/LB	7976	8205		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.78

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-44

YEAR: 1976

TESTHOLE: 82

LOCATION (LSD, SEC, TP, RG, MER): 13 24 15 14 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 306.00 - 306.00

DEPTH (METRES): 93.2 - 93.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.10			
ASH	7.40	7.8		
VOLATILE MATTER	38.00	40.3		43.8
FIXED CARBON	50.50	52.1		55.3
HEATING VALUE				
BTU/LB	10822	11168		12086

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.72

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: 7011-76

YEAR: 1976

TESTHOLE: 82

LOCATION (LSD, SEC, TP, RG, MER): 13 24 15 14 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 306.00 - 306.00

DEPTH (METRES): 93.2 - 93.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		10.3		
VOLATILE MATTER		35.2		38.2
FIXED CARBON		54.5		60.7
HEATING VALUE				
BTU/LB		11360		12880

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
57.30	4.00		.60	

EQUILIBRIUM MOISTURE: 23.60

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8185-47

YEAR: 1976

TESTHOLE: 91

LOCATION (LSD, SEC, TP, RG, MER): 1 27 13 8 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 313.00 - 315.00

DEPTH (METRES): 95.4 - 95.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80			
ASH	17.40	18.3		
VOLATILE MATTER	34.40	36.2		44.3
FIXED CARBON	43.30	45.6		55.6
HEATING VALUE				
BTU/LB	9351	9633		12035

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.57

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-48

YEAR: 1976

TESTHOLE: 94

LOCATION (LSD, SEC, TP, RG, MER): 16 9 11 8 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 186.00 - 175.00

DEPTH (METRES): 51.2 - 53.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.80			
ASH	5.40	5.9		
VOLATILE MATTER	39.00	42.3		45.4
FIXED CARBON	45.80	50.8		54.5
HEATING VALUE				
BTU/LB	9757	10593		11378

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.33

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: 7013-76

YEAR: 1976

TESTHOLE: 98

LOCATION (LSD, SEC, TP, RG, MER): 1 28 8 7 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 440.00 - 440.00

DEPTH (METRES): 134.1 - 134.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE				
ASH		32.7		
VOLATILE MATTER		30.9		
FIXED CARBON		36.4		
HEATING VALUE				
BTU/LB		8070		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
48.30	3.20			.70

EQUILIBRIUM MOISTURE: 28.90

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8185-9

YEAR: 1976

TESTHOLE: 98

LOCATION (LSD, SEC, TP, RG, MER): 1 28 8 7 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 440.00 - 440.00

DEPTH (METRES): 134.1 - 134.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.30			
ASH	22.40	23.1		
VOLATILE MATTER	33.80	35.0		48.5
FIXED CARBON	40.50	41.9		54.4
HEATING VALUE				
BTU/LB	8816	9117		11685

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.92

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: YES

ANALYSIS NUMBER: E76-8185-52

YEAR: 1976

TESTHOLE: 98

LOCATION (LSD, SEC, TP, RC, MER): 13 10 7 7 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 297.00 - 305.00

DEPTH (METRES): 90.5 - 92.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.80			
ASH	7.80	8.2		
VOLATILE MATTER	36.70	38.7		42.2
FIXED CARBON	48.10	52.1		56.7
HEATING VALUE BTU/LB	9738	10539		11480

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.44

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E76-8185-53

YEAR: 1976

TESTHOLE: 98

LOCATION (LSD, SEC, TP, RC, MER): 1 29 5 5 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 264.00 - 268.00

DEPTH (METRES): 80.5 - 81.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.30			
ASH	8.00	8.4		
VOLATILE MATTER	37.00	38.7		42.7
FIXED CARBON	48.70	51.8		57.2
HEATING VALUE BTU/LB	10141	10588		11688

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.96

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-2

YEAR: 1977

TESTHOLE: 3

LOCATION (LSD, SEC, TP, RG, MER): 5 22 11 5 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 228.50 - 232.00

DEPTH (METRES): 69.6 - 70.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.20			
ASH	10.70	11.4		
VOLATILE MATTER	27.80	40.1		45.2
FIXED CARBON	45.50	48.5		54.7
HEATING VALUE				
BTU/LB	8941	10588		11981

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.75

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-3

YEAR: 1977

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 1 22 3 2 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 238.00 - 242.00

DEPTH (METRES): 72.6 - 73.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.80			
ASH	24.80	28.3		
VOLATILE MATTER	34.40	38.4		
FIXED CARBON	38.20	37.3		
HEATING VALUE				
BTU/LB	8120	8802		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.82

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8673-8

YEAR: 1977

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 16 21 55 27 4

ZONE: WAPITI FORMATION

DEPTH (FEET): 208.00 - 210.50

DEPTH (METRES): 63.4 - 64.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.70			
ASH	14.80	18.0		
VOLATILE MATTER	35.80	38.2		45.4
FIXED CARBON	42.80	45.8		54.5

HEATING VALUE

BTU/LB	9478	10160		12085
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.33

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8673-7

YEAR: 1977

TESTHOLE: 23

LOCATION (LSD, SEC, TP, RG, MER): 16 20 54 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 180.00 - 183.50

DEPTH (METRES): 48.7 - 49.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	11.00	11.5		
VOLATILE MATTER	38.40	38.5		43.6
FIXED CARBON	47.20	48.9		55.4

HEATING VALUE

BTU/LB	10043	10818		12009
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.25

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-2

YEAR: 1977

TESTHOLE: 3

LOCATION (LSD, SEC, TP, RG, MER): 5 22 11 5 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 228.80 - 232.00

DEPTH (METRES): 69.6 - 70.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.20			
ASH	10.70	11.4		
VOLATILE MATTER	37.80	40.1		45.2
FIXED CARBON	45.60	48.5		54.7
HEATING VALUE				
BTU/LB	8941	10886		11951

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.75

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-3

YEAR: 1977

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 1 22 3 2 4

ZONE: BELLY RIVER FORMATION

DEPTH (FEET): 238.00 - 242.00

DEPTH (METRES): 72.8 - 73.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.60			
ASH	24.80	25.3		
VOLATILE MATTER	34.40	35.4		
FIXED CARBON	35.20	37.3		
HEATING VALUE				
BTU/LB	8120	8802		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.82

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-6

YEAR: 1977

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 16 21 55 27 4

ZONE: WAPITI FORMATION

DEPTH (FEET): 208.00 - 210.50

DEPTH (METRES): 63.4 - 64.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70			
ASH	14.80	15.0		
VOLATILE MATTER	35.60	38.2		45.4
FIXED CARBON	42.50	45.8		54.5

HEATING VALUE				
BTU/LB	8478	10180		12085

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.33

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-7

YEAR: 1977

TESTHOLE: 23

LOCATION (LSD, SEC, TP, RG, MER): 16 20 54 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 180.00 - 183.50

DEPTH (METRES): 48.7 - 49.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	11.00	11.5		
VOLATILE MATTER	36.40	38.5		43.5
FIXED CARBON	47.20	48.8		55.4

HEATING VALUE				
BTU/LB	10043	10816		12008

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-1

YEAR: 1977

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 4 26 56 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 301.00 - 301.50

DEPTH (METRES): 91.7 - 91.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	5.40	5.8		
VLATILE MATTER	41.30	43.7		47.8
FIXED CARBON	44.90	47.4		52.0
HEATING VALUE				
BTU/LB	10611	11217		12312

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.40

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-2

YEAR: 1977

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 4 26 56 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 301.50 - 302.20

DEPTH (METRES): 91.9 - 92.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	9.40	10.0		
VLATILE MATTER	41.10	43.4		48.2
FIXED CARBON	44.20	46.6		51.7
HEATING VALUE				
BTU/LB	10664	11176		12417

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.45

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-5

YEAR: 1977

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 4 26 56 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 303.50 - 304.00

DEPTH (METRES): 92.5 - 92.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	13.00	13.8		
VLATILE MATTER	38.10	40.4		48.8
FIXED CARBON	43.30	45.8		53.1
HEATING VALUE BTU/LB	9890	10583		12277

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.30

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-6

YEAR: 1977

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 4 26 56 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 304.00 - 304.50

DEPTH (METRES): 92.6 - 92.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	8.80	8.3		
VLATILE MATTER	38.90	41.2		45.4
FIXED CARBON	46.70	49.5		54.5
HEATING VALUE BTU/LB	10827	11287		12411

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
56.95	4.60	1.39	.24	17.71

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-9

YEAR: 1977

TESTHOLE: 25

LOCATION (LSD, SEC, TP, RG, MER): 4 25 55 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 305.70 - 308.20

DEPTH (METRES): 93.2 - 93.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.90			
ASH	23.20	24.6		
VOLATILE MATTER	35.00	37.1		48.2
FIXED CARBON	35.90	38.3		50.7

HEATING VALUE				
BTU/LB	8561	9088		12088

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
54.02	3.74	1.10	.30	16.19

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-10

YEAR: 1977

TESTHOLE: 25

LOCATION (LSD, SEC, TP, RG, MER): 4 25 55 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 305.20 - 308.70

DEPTH (METRES): 93.3 - 93.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70			
ASH	8.00	8.4		
VOLATILE MATTER	38.40	41.8		44.6
FIXED CARBON	48.90	51.8		55.3

HEATING VALUE				
BTU/LB	10823	11653		12376

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.25	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-13

YEAR: 1977

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RC, MER): 4 26 55 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 307.50 - 308.20

DEPTH (METRES): 93.7 - 93.9

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.50			
ASH	5.20	5.5		
VOLATILE MATTER	28.40	41.1		44.0
FIXED CARBON	48.90	52.3		55.9
HEATING VALUE BTU/LB	10788	11538		12353

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.90	4.55	1.50	.19	18.27

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8877-14

YEAR: 1977

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RC, MER): 4 26 55 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 308.20 - 308.70

DEPTH (METRES): 93.9 - 94.1

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.90			
ASH	5.90	7.3		
VOLATILE MATTER	40.70	43.2		46.5
FIXED CARBON	48.60	49.5		52.3
HEATING VALUE BTU/LB	10789	11485	9438	12357

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.37

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-10

YEAR: 1977

TESTHOLE: 28

LOCATION (LSD, SEC, TP, RG, MER): 4 28 66 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 301.00 - 303.00

DEPTH (METRES): 91.7 - 92.3

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	8.30	8.8		
VOLATILE MATTER	35.20	37.3		40.8
FIXED CARBON	50.90	53.9		58.1
HEATING VALUE				
BTU/LB	10237	10844		11890

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.32

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-11

YEAR: 1977

TESTHOLE: 28

LOCATION (LSD, SEC, TP, RG, MER): 4 28 66 2 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 304.00 - 308.00

DEPTH (METRES): 92.6 - 94.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	10.70	11.4		
VOLATILE MATTER	38.90	38.2		44.2
FIXED CARBON	48.60	48.4		55.7
HEATING VALUE				
BTU/LB	9938	10550		11807

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.27

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-6873-14

YEAR: 1977

TESTHOLE: 30

LOCATION (LSD, SEC, TP, RC, MER): 16 21 57 3 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 105.00 - 107.50

DEPTH (METRES): 32.0 - 32.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.70			
ASH	14.50	15.6		
VOLATILE MATTER	37.00	38.7		47.0
FIXED CARBON	41.70	44.7		52.8
HEATING VALUE				
BTU/LB	9248	9912		11744

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.85

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-6873-15

YEAR: 1977

TESTHOLE: 32

LOCATION (LSD, SEC, TP, RC, MER): 5 24 55 3 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 345.50 - 348.00

DEPTH (METRES): 105.3 - 106.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.10			
ASH	10.90	11.6		
VOLATILE MATTER	34.20	36.4		41.1
FIXED CARBON	48.80	52.0		56.6
HEATING VALUE				
BTU/LB	9403	10014		11328

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.39

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-18

YEAR: 1977

TESTHOLE: 36

LOCATION (LSD, SEC, TP, RG, MER): 4 26 58 5 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 381.00 - 392.00

DEPTH (METRES): 119.2 - 119.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.20			
ASH	18.30	17.4		
VOLATILE MATTER	35.50	37.8		45.7
FIXED CARBON	42.00	44.8		54.2
HEATING VALUE				
BTU/LB	8601	10236		12382

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.35

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-18

YEAR: 1977

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 58 3 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 274.00 - 277.50

DEPTH (METRES): 83.5 - 84.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.10			
ASH	8.10	8.5		
VOLATILE MATTER	37.90	40.4		43.2
FIXED CARBON	49.90	53.1		56.7
HEATING VALUE				
BTU/LB	10864	11559		12382

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.28

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-22

YEAR: 1977

TESTHOLE: 37

LOCATION (LSD, SEC, TP, RG, MER): 13 21 58 3 8

ZONE: WAPITI FORMATION

DEPTH (FEET): 278.00 - 283.50

DEPTH (METRES): 84.7 - 86.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.30			
ASH	5.80	6.2		
VOLATILE MATTER	39.80	42.0		44.7
FIXED CARBON	48.00	51.8		55.2
HEATING VALUE				
BTU/LB	10815	11526		12287

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.26

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-23

YEAR: 1977

TESTHOLE: 39

LOCATION (LSD, SEC, TP, RG, MER): 4 27 58 8 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 328.50 - 329.50

DEPTH (METRES): 99.8 - 100.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.00			
ASH	11.40	12.1		
VOLATILE MATTER	3.48	36.8		41.8
FIXED CARBON	48.00	51.1		55.1
HEATING VALUE				
BTU/LB	10208	10861		12356

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.30

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8673-26

YEAR: 1977

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 18 20 58 4 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 171.00 - 174.50

DEPTH (METRES): 52.1 - 53.2

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	16.40	17.4		
VOLATILE MATTER	33.90	36.0		43.5
FIXED CARBON	43.90	46.6		56.4
HEATING VALUE				
BTU/LB	9328	9902		11987

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.22

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8673-27

YEAR: 1977

TESTHOLE: 47

LOCATION (LSD, SEC, TP, RG, MER): 18 20 58 4 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 175.00 - 177.50

DEPTH (METRES): 53.3 - 54.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.00			
ASH	8.90	9.5		
VOLATILE MATTER	36.30	38.6		42.6
FIXED CARBON	48.80	51.9		57.3
HEATING VALUE				
BTU/LB	10436	11104		12369

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.36

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-30

YEAR: 1977

TESTHOLE: 55

LOCATION (LSD, SEC, TP, RG, MER): 9 17 61 26 4

ZONE: WAPITI FORMATION

DEPTH (FEET): 712.00 - 714.00

DEPTH (METRES): 217.0 - 217.6

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.40			
ASH	9.40	10.0		
VOLATILE MATTER	38.30	38.8		43.1
FIXED CARBON	47.90	51.2		55.8
HEATING VALUE				
BTU/LB	10001	10884		11871

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.50

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-31

YEAR: 1977

TESTHOLE: 57

LOCATION (LSD, SEC, TP, RG, MER): 1 22 63 1 5

ZONE: WAPITI FORMATION

DEPTH (FEET): 49.00 - 51.50

DEPTH (METRES): 14.9 - 15.7

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	7.80			
ASH	8.80	9.8		
VOLATILE MATTER	37.30	40.4		44.8
FIXED CARBON	48.30	50.1		55.3
HEATING VALUE				
BTU/LB	9983	10782		11813

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.32

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-34

YEAR: 1977

TESTHOLE: 70

LOCATION (LSD, SEC, TP, RC, MER): 1 21 S1 24 4

ZONE: WAPITI FORMATION

DEPTH (FEET): 507.00 - 508.00

DEPTH (METRES): 154.5 - 155.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.80			
ASH	14.80	18.0		
VOLATILE MATTER	34.80	37.3		44.4
FIXED CARBON	43.70	46.7		55.5
HEATING VALUE				
BTU/LB	8234	8884		11887

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.51

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-35

YEAR: 1977

TESTHOLE: 73

LOCATION (LSD, SEC, TP, RC, MER): 9 16 S8 22 4

ZONE: WAPITI FORMATION

DEPTH (FEET): 448.50 - 452.00

DEPTH (METRES): 137.0 - 137.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.30			
ASH	11.50	12.3		
VOLATILE MATTER	35.70	38.1		43.4
FIXED CARBON	48.50	49.6		55.5
HEATING VALUE				
BTU/LB	8842	10803		11876

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.54

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E77-8873-38

YEAR: 1977

TESTHOLE: 86

LOCATION (LSD, SEC, TP, RG, MER): 10 20 87 10 6

ZONE: WAPITI FORMATION

DEPTH (FEET): 838.60 - 841.00

DEPTH (METRES): 194.6 - 195.4

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.60			
ASH	15.20	15.6		
VOLATILE MATTER	22.40	33.8		39.8
FIXED CARBON	48.80	60.6		60.0

HEATING VALUE

BTU/LB	11316	11727		13927
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.39

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-1

YEAR: 1978

TESTHOLE: 1

LOCATION (LSD, SEC, TP, RG, MER): 1 33 38 23 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 101.70 - 108.20

DEPTH (METRES): 31.0 - 32.8

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80			
ASH	10.00	10.5		
VOLATILE MATTER	34.80	38.3		40.5
FIXED CARBON	60.60	63.2		68.4

HEATING VALUE

BTU/LB	10877	11215		12630
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON				
HYDROGEN				
NITROGEN				
SULFUR				
OXYGEN				.44

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-4

YEAR: 1978

TESTHOLE: 1

LOCATION (LSD, SEC, TP, RG, MER): 1 33 36 23 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 101.70 - 128.00

DEPTH (METRES): 31.0 - 39.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20			
ASH	15.70	18.4		
VOLATILE MATTER	32.80	34.3		41.0
FIXED CARBON	47.20	48.3		58.9
HEATING VALUE				
BTU/LB	10123	10667		12639

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.83

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-5

YEAR: 1978

TESTHOLE: 3

LOCATION (LSD, SEC, TP, RG, MER): 4 14 36 22 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 124.60 - 131.20

DEPTH (METRES): 37.9 - 40.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.40			
ASH	12.10	12.7		
VOLATILE MATTER	36.40	37.0		42.3
FIXED CARBON	48.10	50.3		57.6
HEATING VALUE				
BTU/LB	10802	11080		12703

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.38

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-8

YEAR: 1978

TESTHOLE: 6

LOCATION (LSD, SEC, TP, RG, MER): 13 21 33 23 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 85.80 - 75.40

DEPTH (METRES): 20.0 - 22.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.60			
ASH	11.00	11.5		
VLATILE MATTER	34.90	38.5		41.2
FIXED CARBON	49.60	52.0		55.7
HEATING VALUE BTU/LB	10834	11345		12818

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
86.21	4.06	1.12	.54	15.57

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-9

YEAR: 1978

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 16 22 32 23 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 344.40 - 347.70

DEPTH (METRES): 105.0 - 108.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20			
ASH	23.00	24.0		
VLATILE MATTER	33.10	34.5		45.5
FIXED CARBON	39.70	41.4		54.4
HEATING VALUE BTU/LB	9321	9730		12802

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
86.28	3.63	1.10	.45	14.33

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3884-3

YEAR: 1978

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 16 22 32 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 382.00 - 382.00

DEPTH (METRES): 110.3 - 110.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.20			
ASH	8.00	8.3		
VOLATILE MATTER	40.50	41.8		45.6
FIXED CARBON	48.30	49.9		54.4
HEATING VALUE				
BTU/LB	11453	11842		12913

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
89.54	4.44	1.29	.61	15.67

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-10

YEAR: 1978

TESTHOLE: 7

LOCATION (LSD, SEC, TP, RG, MER): 16 22 32 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 384.10 - 387.70

DEPTH (METRES): 111.0 - 112.1

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	23.30	24.2		
VOLATILE MATTER	33.30	34.6		45.6
FIXED CARBON	38.60	41.2		54.3
HEATING VALUE				
BTU/LB	9357	9727		12632

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
89.88	3.86	.88	.46	13.83

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-13

YEAR: 1978

TESTHOLE: 9

LOCATION (LSD, SEC, TP, RG, MER): 13 14 35 24 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 561.00 - 564.20

DEPTH (METRES): 171.0 - 172.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.50			
ASH	28.70	28.7		
VOLATILE MATTER	33.70	35.0		
FIXED CARBON	38.00	37.3		

HEATING VALUE				
BTU/LB	8894	9019		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.50

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-14

YEAR: 1978

TESTHOLE: 9

LOCATION (LSD, SEC, TP, RG, MER): 13 14 35 24 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 606.90 - 610.20

DEPTH (METRES): 185.0 - 186.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.50			
ASH	18.70	19.4		
VOLATILE MATTER	33.50	34.8		43.1
FIXED CARBON	44.00	45.8		56.8

HEATING VALUE				
BTU/LB	9891	10282		12788

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
60.81	4.08	1.08	.67	14.30

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-17

YEAR: 1978

TESTHOLE: 11

LOCATION (LSD, SEC, TP, RG, MER): 1 18 40 23 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 238.20 - 238.40

DEPTH (METRES): 72.0 - 72.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.90			
ASH	14.40	18.0		
VOLATILE MATTER	38.00	40.8		47.7
FIXED CARBON	42.70	44.4		52.2
HEATING VALUE				
BTU/LB	10358	10778		12881

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.45

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-18

YEAR: 1978

TESTHOLE: 11

LOCATION (LSD, SEC, TP, RG, MER): 1 18 40 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 574.10 - 577.40

DEPTH (METRES): 175.0 - 176.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.90			
ASH	8.10	8.8		
VOLATILE MATTER	37.40	38.8		42.8
FIXED CARBON	48.90	51.8		57.0
HEATING VALUE				
BTU/LB	10781	11188		12373

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.63

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3684-4

YEAR: 1978

TESTHOLE: 13

LOCATION (LSD, SEC, TP, RC, MER): 3 28 38 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 185.00 - 185.00

DEPTH (METRES): 59.4 - 59.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.50			
ASH	17.40	18.2		
VOLATILE MATTER	36.80	38.6		47.1
FIXED CARBON	41.20	43.2		52.8

HEATING VALUE				
BTU/LB	9831	10294		12584

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
62.15	3.50	.84	.55	14.63

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3684-5

YEAR: 1978

TESTHOLE: 13

LOCATION (LSD, SEC, TP, RC, MER): 3 28 38 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 188.00 - 188.00

DEPTH (METRES): 60.3 - 60.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.00			
ASH	10.20	10.6		
VOLATILE MATTER	40.70	42.4		47.4
FIXED CARBON	45.10	47.0		52.8

HEATING VALUE				
BTU/LB	10995	11483		12810

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
67.58	4.52	1.24	.78	15.23

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3864-B

YEAR: 1978

TESTHOLE: 13

LOCATION (LSD, SEC, TP, RG, MER): 3 28 38 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 294.00 - 294.00

DEPTH (METRES): 89.6 - 89.6

STATUS: CORE

PROXIMAL ANALYSIS

AS DETERMINED DRY BASIS AS RECEIVED DRY ASH FREE

MOISTURE	3.80	
ASH	28.00	30.1
VOLATILE MATTER	32.40	33.7
FIXED CARBON	34.80	36.2
HEATING VALUE		
BTU/LB	8120	8441

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
52.38	3.13	.78	.85	13.02

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3864-B

YEAR: 1978

TESTHOLE: 13

LOCATION (LSD, SEC, TP, RG, MER): 3 28 38 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 310.00 - 310.00

DEPTH (METRES): 94.5 - 94.5

STATUS: CORE

PROXIMAL ANALYSIS

AS DETERMINED DRY BASIS AS RECEIVED DRY ASH FREE

MOISTURE	2.10	
ASH	68.50	71.0
VOLATILE MATTER	18.90	17.3
FIXED CARBON	11.50	11.7
HEATING VALUE		
BTU/LB	3972	4057

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
18.46	1.84	.47	.32	6.80

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-24

YEAR: 1978

TESTHOLE: 15

LOCATION (LSD, SEC, TP, RG, MER): 13 14 41 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 245.00 - 249.30

DEPTH (METRES): 75.0 - 76.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20			
ASH	28.10	27.2		
VOLATILE MATTER	31.20	32.8		
FIXED CARBON	36.50	40.2		

HEATING VALUE

BTU/LB	8722	9104		
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
82.70	3.78	.73	.54	15.05

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-23

YEAR: 1978

TESTHOLE: 15

LOCATION (LSD, SEC, TP, RG, MER): 13 14 41 23 4

ZONE: UNKNOWN

DEPTH (FEET): 55.50 - 75.40

DEPTH (METRES): 20.0 - 22.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.80			
ASH	5.00	5.3		
VOLATILE MATTER	36.50	38.6		40.8
FIXED CARBON	52.50	55.8		59.0

HEATING VALUE

BTU/LB	11021	11712		12367
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ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
		.72		

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3884-12

YEAR: 1978

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 2 5 37 21 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 224.00 - 224.00

DEPTH (METRES): 68.2 - 68.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.00			
ASH	5.70	7.0		
VOLATILE MATTER	40.20	41.8		45.0
FIXED CARBON	48.10	51.1		54.9
HEATING VALUE				
BTU/LB	11142	11806		12478

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
68.75	4.27	1.01	.46	16.67

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3884-13

YEAR: 1978

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 2 5 37 21 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 225.00 - 225.00

DEPTH (METRES): 68.5 - 68.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.90			
ASH	10.70	11.1		
VOLATILE MATTER	34.90	36.3		40.5
FIXED CARBON	50.50	52.5		58.1
HEATING VALUE				
BTU/LB	10786	11203		12501

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
68.92	4.00	.95	.26	16.78

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3864-16

YEAR: 1978

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 2 5 37 21 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 267.00 - 267.00

DEPTH (METRES): 81.4 - 81.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.20			
ASH	8.70	9.1		
VOLATILE MATTER	40.60	42.3		46.6
FIXED CARBON	46.60	48.6		53.4
HEATING VALUE				
BTU/LB	11186	11646		12610

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.64	4.83	1.13	.50	15.79

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-26

YEAR: 1978

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 2 5 37 21 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 213.20 - 226.30

DEPTH (METRES): 65.0 - 68.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.10			
ASH	16.30	17.0		
VOLATILE MATTER	38.20	37.7		46.4
FIXED CARBON	43.40	45.3		54.6
HEATING VALUE				
BTU/LB	9985	10391		12510

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.35	

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3864-18

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 2 5 37 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 483.00 - 483.00

DEPTH (METRES): 147.2 - 147.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	7.80	8.1		
VOLATILE MATTER	35.10	35.8		38.7
FIXED CARBON	53.20	55.4		50.2
HEATING VALUE				
BTU/LB	11185	11838		12884

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.84	4.48	1.25	.44	17.06

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-3864-19

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 2 5 37 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 494.00 - 494.00

DEPTH (METRES): 150.6 - 150.6

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	8.00			
ASH	8.80	7.2		
VOLATILE MATTER	38.50	41.0		44.1
FIXED CARBON	48.70	51.8		55.8
HEATING VALUE				
BTU/LB	11132	11842		12780

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
70.28	4.73	1.48	.48	15.83

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-33

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 18 10 42 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 324.70 - 328.00

DEPTH (METRES): 98.9 - 100.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	24.00	24.8		
VOLATILE MATTER	23.50	24.8		48.3
FIXED CARBON	36.70	40.3		53.8
HEATING VALUE				
BTU/LB	9154	9816		12671

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.70

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-34

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 18 10 42 25 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 413.30 - 416.60

DEPTH (METRES): 126.0 - 127.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.00			
ASH	18.00	18.7		
VOLATILE MATTER	31.10	32.4		39.8
FIXED CARBON	48.90	48.8		60.1
HEATING VALUE				
BTU/LB	9892	10305		12678

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.83

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-27

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 8 28 32 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 59.00 - 62.30

DEPTH (METRES): 17.9 - 18.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.30			
ASH	8.80	8.1		
VOLATILE MATTER	38.10	38.4		43.3
FIXED CARBON	49.80	51.5		55.5
HEATING VALUE				
BTU/LB	11015	11281		12531

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.54

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-38

YEAR: 1978

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 8 28 32 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 472.40 - 475.70

DEPTH (METRES): 144.0 - 145.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.70			
ASH	27.40	28.5		
VOLATILE MATTER	32.30	33.5		
FIXED CARBON	36.80	38.0		
HEATING VALUE				
BTU/LB	8604	8835		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.50

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-41

YEAR: 1978

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 3 5 31 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 305.10 - 308.30

DEPTH (METRES): 93.0 - 93.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.20			
ASH	14.60	15.0		
VOLATILE MATTER	34.50	35.6		41.8
FIXED CARBON	47.80	49.4		58.1
HEATING VALUE				
BTU/LB	10705	11059		13010

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				1.15

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-42

YEAR: 1978

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 3 5 31 24 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 648.50 - 658.10

DEPTH (METRES): 198.0 - 200.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.10			
ASH	25.20	25.8		
VOLATILE MATTER	31.60	32.3		
FIXED CARBON	40.10	40.8		
HEATING VALUE				
BTU/LB	9422	9624		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.73

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-45

YEAR: 1978

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 18 7 34 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 882.30 - 885.60

DEPTH (METRES): 272.0 - 273.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.30			
ASH	33.60	34.3		
VOLATILE MATTER	30.40	31.1		
FIXED CARBON	33.60	34.6		
HEATING VALUE				
BTU/LB	8336	8532		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.44

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-45

YEAR: 1978

TESTHOLE: 21

LOCATION (LSD, SEC, TP, RG, MER): 18 7 34 25 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 912.00 - 915.30

DEPTH (METRES): 278.0 - 279.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.60			
ASH	21.60	22.1		
VOLATILE MATTER	36.60	37.6		46.2
FIXED CARBON	39.30	40.3		51.7
HEATING VALUE				
BTU/LB	10024	10282		13211

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.52	4.22	1.06	.50	13.69

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-48

YEAR: 1978

TESTHOLE: 22

LOCATION (LSD, SEC, TP, RG, MER): 18 14 37 27 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 984.30 - 990.80

DEPTH (METRES): 300.0 - 302.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.20			
ASH	28.30	28.8		
VOLATILE MATTER	33.00	33.7		
FIXED CARBON	38.50	38.4		

HEATING VALUE				
BTU/LB	9422	9834		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
55.13	3.80	.98	.52	12.58

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-50

YEAR: 1978

TESTHOLE: 22

LOCATION (LSD, SEC, TP, RG, MER): 18 14 37 27 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 1048.50 - 1049.80

DEPTH (METRES): 319.0 - 320.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.40			
ASH	22.80	23.4		
VOLATILE MATTER	35.70	37.0		48.3
FIXED CARBON	38.30	38.8		51.8

HEATING VALUE				
BTU/LB	9724	10088		13140

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
58.13	3.82	1.07	.29	13.17

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-53

YEAR: 1978

TESTHOLE: 23

LOCATION (LSD, SEC, TP, RG, MER): 8 22 37 24 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 462.50 - 462.50

DEPTH (METRES): 141.0 - 141.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	30.20	31.4		
VOLATILE MATTER	28.90	31.1		
FIXED CARBON	38.00	37.8		
HEATING VALUE				
BTU/LB	8154	8485		

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.48

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-54

YEAR: 1978

TESTHOLE: 23

LOCATION (LSD, SEC, TP, RG, MER): 8 22 37 24 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 515.00 - 521.00

DEPTH (METRES): 157.0 - 158.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.70			
ASH	20.90	21.4		
VOLATILE MATTER	35.10	38.4	48.3	
FIXED CARBON	40.80	42.2	52.8	
HEATING VALUE				
BTU/LB	8708	10081	12825	

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
68.62 3.81 1.21 .37 12.43

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-57

YEAR: 1978

TESTHOLE: 24

LOCATION (LSD, SEC, TP, RG, MER): 2 4 40 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 295.20 - 305.10

DEPTH (METRES): 90.0 - 93.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	11.70	12.2		
VOLATILE MATTER	35.20	36.6		41.6
FIXED CARBON	49.30	51.2		58.3
HEATING VALUE				
BTU/LB	10563	10980		12505

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.40

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-58

YEAR: 1978

TESTHOLE: 24

LOCATION (LSD, SEC, TP, RG, MER): 2 4 40 24 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 311.60 - 311.60

DEPTH (METRES): 95.0 - 95.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	14.80	18.5		
VOLATILE MATTER	36.50	37.8		44.8
FIXED CARBON	44.80	46.6		55.1
HEATING VALUE				
BTU/LB	10246	10551		12604

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.38

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-61

YEAR: 1978

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 4 30 42 23 4

ZONE: SCOLLARD FORMATION

DEPTH (FEET): 269.10 - 269.10

DEPTH (METRES): 78.9 - 78.9

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	6.00			
ASH	21.50	22.6		
VOLATILE MATTER	34.70	36.5		47.1
FIXED CARBON	38.80	40.9		52.8
HEATING VALUE				
BTU/LB	8276	8889		12750

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
				.85

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-62

YEAR: 1978

TESTHOLE: 26

LOCATION (LSD, SEC, TP, RG, MER): 4 30 42 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 393.60 - 393.60

DEPTH (METRES): 120.0 - 120.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.90			
ASH	8.70	10.1		
VOLATILE MATTER	38.00	40.8		48.1
FIXED CARBON	47.40	49.3		54.8
HEATING VALUE				
BTU/LB	10598	11026		12268

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
86.91	4.42	1.20	.86	18.70

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E79-2340-85

YEAR: 1978

TESTHOLE: 25

LOCATION (LSD, SEC, TP, RG, MER): 4 30 42 23 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 810.30 - 816.00

DEPTH (METRES): 247.0 - 249.0

STATUS: CUTTINGS

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	24.00	24.9		
VOLATILE MATTER	31.80	33.2		44.2
FIXED CARBON	40.30	41.8		55.7
HEATING VALUE				
BTU/LB	8017	8373		12480

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
.55

EQUILIBRIUM MOISTURE:

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E80-19478-1

YEAR: 1979

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 8 23 31 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 711.00 - 711.00

DEPTH (METRES): 216.7 - 216.7

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80			
ASH	10.70	11.2		
VOLATILE MATTER	38.00	37.7		42.4
FIXED CARBON	48.80	51.1		57.8
HEATING VALUE				
BTU/LB	11178	11705		13181

ULTIMATE ANALYSIS (DRY BASIS ONLY)
CARBON HYDROGEN NITROGEN SULFUR OXYGEN
87.28 4.62 1.61 .48 16.74

EQUILIBRIUM MOISTURE: 17.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E80-19478-6

YEAR: 1979

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 8 23 31 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 858.80 - 858.80

DEPTH (METRES): 200.8 - 200.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.90			
ASH	44.50	45.3		
VOLATILE MATTER	24.40	25.4		
FIXED CARBON	27.20	28.3		
HEATING VALUE				
BTU/LB	6350	6608		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
39.05	2.95	.87	.27	10.59

EQUILIBRIUM MOISTURE: 17.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E80-19478-6

YEAR: 1979

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 8 23 31 21 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 854.20 - 854.20

DEPTH (METRES): 199.4 - 199.4

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.80			
ASH	38.50	40.1		
VOLATILE MATTER	28.50	27.8		
FIXED CARBON	30.80	32.0		
HEATING VALUE				
BTU/LB	7134	7416		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
			.31	

EQUILIBRIUM MOISTURE: 18.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E81-14882-2

YEAR: 1980

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 14 7 27 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 422.70 - 422.70

DEPTH (METRES): 128.8 - 128.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.80			
ASH	8.80	8.0		
VLATILE MATTER	33.20	34.9		38.3
FIXED CARBON	53.40	55.1		61.6
HEATING VALUE				
BTU/LB	10486	11026		12116

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
68.21	4.28	1.09	.80	16.62

EQUILIBRIUM MOISTURE: 17.20

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E81-14887-1

YEAR: 1980

TESTHOLE: 16

LOCATION (LSD, SEC, TP, RG, MER): 14 7 27 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 424.90 - 424.90

DEPTH (METRES): 129.5 - 129.5

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	2.40			
ASH	44.10	45.7		
VLATILE MATTER	23.80	24.6		
FIXED CARBON	28.70	29.7		
HEATING VALUE				
BTU/LB	8808	8012		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
38.68	2.95	.84	.80	14.21

EQUILIBRIUM MOISTURE: 13.40

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E80-19478-13

YEAR: 1979

TESTHOLE: 19

LOCATION (LSD, SEC, TP, RG, MER): 1 24 28 19 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 245.40 - 245.40

DEPTH (METRES): 74.8 - 74.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	3.90			
ASH	33.80	35.3		
VOLATILE MATTER	27.70	28.8		
FIXED CARBON	34.50	35.9		
HEATING VALUE				
BTU/LB	7886	8175		

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
47.80	3.37	1.18	.52	11.89

EQUILIBRIUM MOISTURE: 18.10

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E80-19478-16

YEAR: 1979

TESTHOLE: 20

LOCATION (LSD, SEC, TP, RG, MER): 15 33 27 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 230.80 - 230.80

DEPTH (METRES): 70.3 - 70.3

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	5.70			
ASH	5.10	8.5		
VOLATILE MATTER	35.00	38.2		
FIXED CARBON	52.20	55.3		40.8
HEATING VALUE				59.1
BTU/LB	11070	11738		12555

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
59.92	4.30	1.35	.80	17.32

EQUILIBRIUM MOISTURE: 19.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E81-14887-8

YEAR: 1980

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 14 7 27 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 386.70 - 386.70

DEPTH (METRES): 120.8 - 120.8

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.60			
ASH	7.00	7.3		
VOLATILE MATTER	36.10	36.6		38.6
FIXED CARBON	53.30	55.9		60.2
HEATING VALUE				
BTU/LB	10848	11477		12380

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
68.88	4.61	1.48	.84	17.08

EQUILIBRIUM MOISTURE: 18.80

SUPPLEMENTARY ANALYSIS: NONE

ANALYSIS NUMBER: E81-14887-8

YEAR: 1980

TESTHOLE: 18

LOCATION (LSD, SEC, TP, RG, MER): 14 7 27 18 4

ZONE: HORSESHOE CANYON FORMATION

DEPTH (FEET): 407.80 - 407.80

DEPTH (METRES): 124.2 - 124.2

STATUS: CORE

PROXIMAL ANALYSIS

	AS DETERMINED	DRY BASIS	AS RECEIVED	DRY ASH FREE
MOISTURE	4.90			
ASH	5.30	5.4		
VOLATILE MATTER	38.20	38.1		40.2
FIXED CARBON	53.80	56.6		60.7
HEATING VALUE				
BTU/LB	11488	12078		12787

ULTIMATE ANALYSIS (DRY BASIS ONLY)

CARBON	HYDROGEN	NITROGEN	SULFUR	OXYGEN
71.78	4.80	1.48	.83	16.91

EQUILIBRIUM MOISTURE: 18.80

SUPPLEMENTARY ANALYSIS: NONE