GEO-PHYSI-CON

DEPTH TO BEDROCK SURVEY
LAKE MOUNTAIN

Prepared For

FORDING COAL LIMITED
ELKFORD, BRITISH COLUMBIA

Prepared By

GEO-PHYSI-CON CO. LTD.
CALGARY, ALBERTA

March 1988
C88-17

GEO-PHYSI-CON

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1.0 INTRODUCTION

This report presents the results of a refraction seismic survey at Lake Mountain, near Elkford, British Columbia (Figure 1). The purpose of the survey was to determine depth to bedrock. The seismic survey was carried out under the direction of Mr. K.A. Komenac of Fording Coal Limited, purchase order FR07908622.

2.0 LOGISTICS AND DATA ACQUISITION

The field work was undertaken during the period of March 8 to March 10, 1988. The seismic survey was conducted by a four person crew from Geo-Physi-Con Co. Ltd. The crew lodged at commercial facilities in Elkford, British Columbia and travelled daily to the site by truck.

The geophysical survey was carried out on a grid consisting of three parallel lines. These lines were located approximately 30 metres apart and 650 metres in length.

Explosives and temporary storage magazines were supplied by Explosives Limited, Calgary, Alberta. All explosives and detonators

were stored at the site in licenced magazines provided by Fording Coal Limited.

The seismic data was recorded with a GeoMetrics ES1210F, 12 channel signal enhancement seismograph. Manufacturer's specifications for this equipment are included in Appendix A.

Figure 2 illustrates the geophone and shot arrangement employed along two consecutive spreads of 12 geophones each. A geophone spacing of 10 metres was used. Shots were located 10 metres and 85 metres past the end geophones of each spread and at the one third points (interior shots) along each spread. The interior shots were placed to determine the velocity distribution in the shallow subsurface. End shots and shots located 85 metres beyond the end geophones were placed in order to record the arrival time of compression energy refracted along the competent bedrock surface at as may geophone stations as possible.

Explosives were detonated at the surface to produce compression type seismic energy. Generally, 1 to 5 sticks (.2 to .8 kilogram) of Forcite (75%) were used for this purpose. All explosives were detonated with instantaneous electrical blasting caps. The

detonating device also controlled the turn-on of the timing function of the recording seismograph. Geophones sensitive to vertical velocity and with a natural frequency of 14 hertz were used to detect the onset and passage of seismic energy.

Figure 3 illustrates typical records obtained for an end and an offset shot, along line 2. The direct or critically refracted compression wave arrive first at each geophone location. The first arrivals of compression type seismic energy are clearly visible on these records.

Elevations and geophone coordinates were provided by Fording Coal Limited.

3.0 RESULTS AND INTERPRETATION

The first break times were plotted against source offset distance to derive travel time graphs for direct and critically refracted compression wave seismic energy. The graphs were then analyzed using well established methods to derive the velocity and thickness of distinctive strata within the subsurface. Notes

describing the physical principles and methods of interpretation are included in Appendix B.

The primary factors influencing the accuracy of the interpreted depth to bedrock are:

i) the delay time to bedrock, and
ii) the velocity within overlying materials.

The delay time can be predicted with good accuracy due to the observed large contrast in compression wave velocity between the bedrock and overlying unconsolidated materials. The conversion of delay time into the depth to bedrock depends on the velocity within the overburden. This velocity is difficult to determine over some of the survey area due to the relatively shallow depth to bedrock and the presence of a seasonably frozen surface layer.

The predicted depth to bedrock was compared to the depth known at two drill holes along line 1. The difference between the predicted and known depths was used to confirm the interpreted velocity in overburden materials in this area.

It is expected that the true bedrock surface and the bedrock surface predicted from the refraction seismic measurements will agree within 10%. The relative difference may be higher when the true depth to bedrock is less than 10 metres.

The travel time graphs over most of the survey area indicate the presence of an unconsolidated overburden above competent bedrock. The compression wave velocity in the overburden varies between 600 and 1530 metres per second. This is likely due to variation in the degree of saturation of these materials. The compression wave velocity in water is about 1500 metres per second. The compression wave velocity of the bedrock ranges between 2800 and 3600 metres per second.

Along lines 1 and 3 the overburden includes an additional surface layer exhibiting a compression wave velocity of about 500 metres per second. Along line 3 this material appears to be loose broken rock from the neighbouring spoil pile.

The depth to bedrock and the lateral distribution of material velocities are shown in profile form along lines 1 to 3 in Figures 4 to 6, respectively. Interpreted elevations of bedrock are shown in contour form in Figure 7.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Seismic refraction techniques can be used to locate the bedrock surface at this site due to the large contrast in compression wave velocity observed between bedrock and unconsolidated overburden. The predicted depths to bedrock agree with the known depth in the one area where there is drill hole control.

It is recommended that further drill hole control be established in the study area. At least one drill hole should be located in an area having larger predicted depths to bedrock. A review of the analysis of seismic data should be conducted once additional drill hole information becomes available.

PERMIT TO PRACTICE
GEO-PHYSI-CON CO. LTD.
Signature Tag Sartorelli
Date April 8/88
PERMIT NUMBER: P 2802
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

Geo-Physi-Con Co. Ltd.

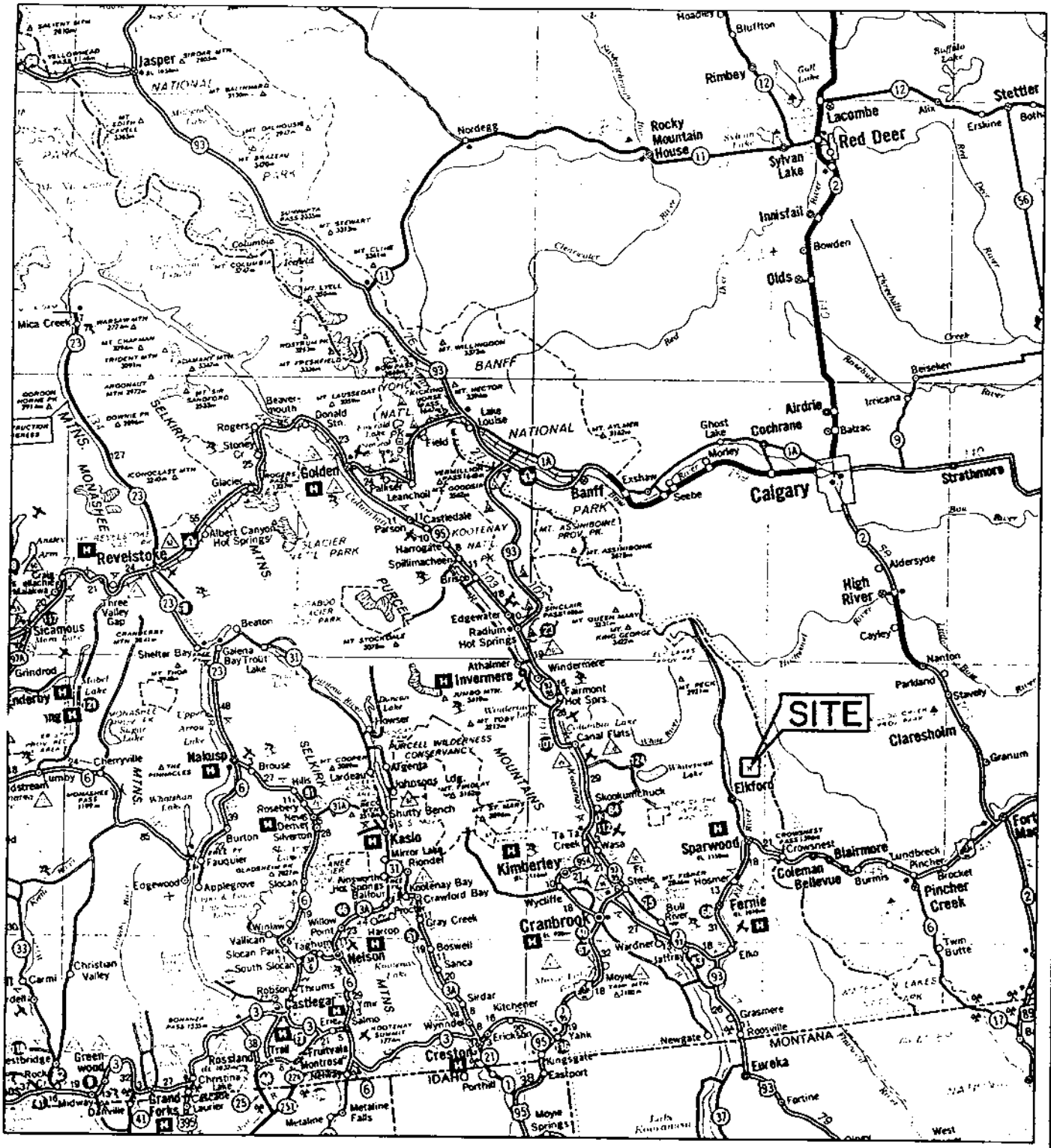
Per:

Donald Becker

Per: Tag Sartorelli

T. Sartorelli

Calgary, Alberta



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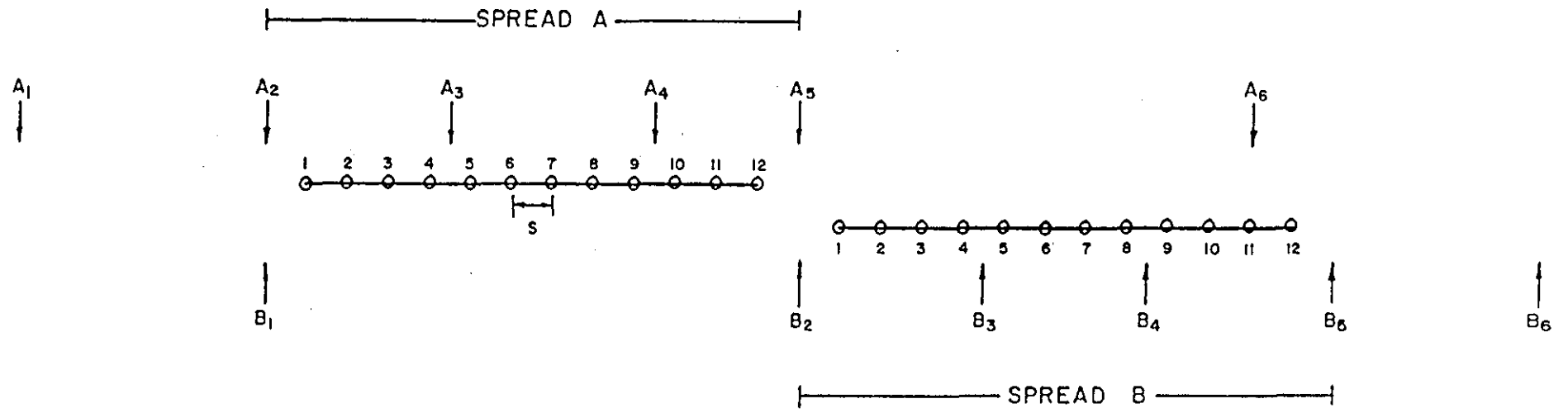
LAKE MOUNTAIN

SITE LOCATION MAP

GEOPHYSICON	SCALE N.T.S.	DRAWN BY BB	DATE April, 1988
		PROJECT C 88-17	FIGURE 1



LEGEND

O	Geophone Location
A_1, A_6, B_1, B_6	Far Shot Locations (85m offset), Spread A , Spread. B
A_2, A_5, B_2, B_5	End Shot Locations , Spread A , Spread B
A_3, A_4, B_3, B_4	Interior Shot Locations , Spread A , Spread B
s	Geophone spacing at 10 metres

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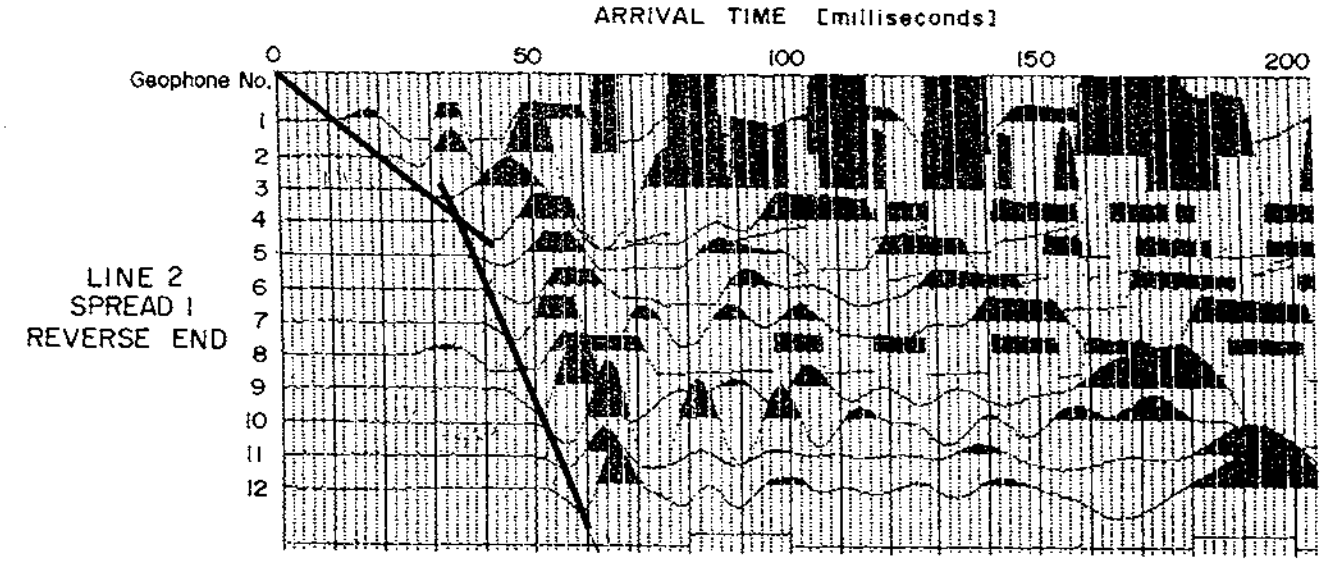
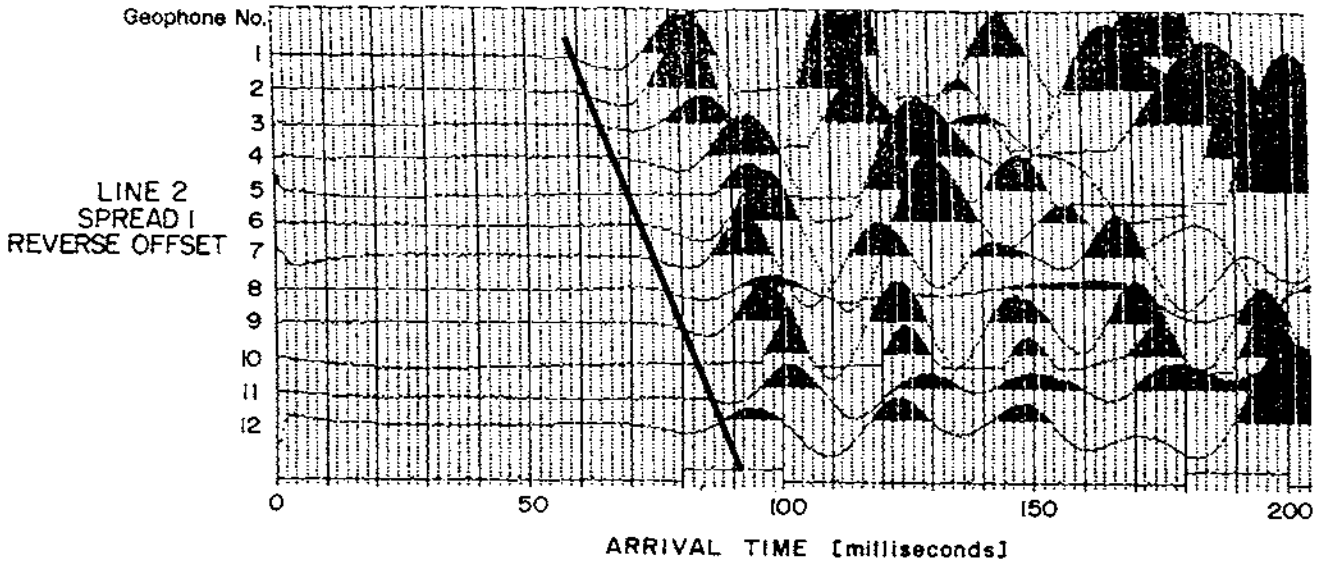
SHOT AND GEOPHONE LAYOUT
ALONG TWO ADJACENT SPREADS

C 88-17

Figure 2





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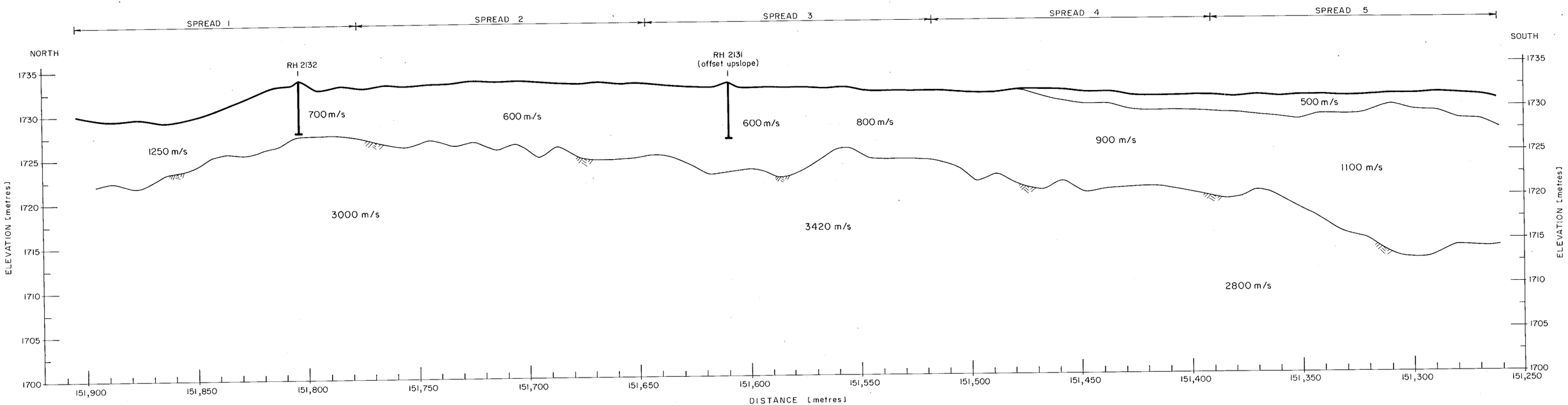
LAKE MOUNTAIN

TYPICAL REFRACTION SEISMIC RECORDS

C88-17

Figure 3



LEGEND

Ground Surface

First Refracting Layer

Bedrock Surface

600 m/s Velocity in metres per second

SCALES

Horizontal 1 : 1000

Vertical 1 : 250

GEO-PHYSICON

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LAKE MOUNTAIN

DEPTH TO BEDROCK PROFILE

LINE 1

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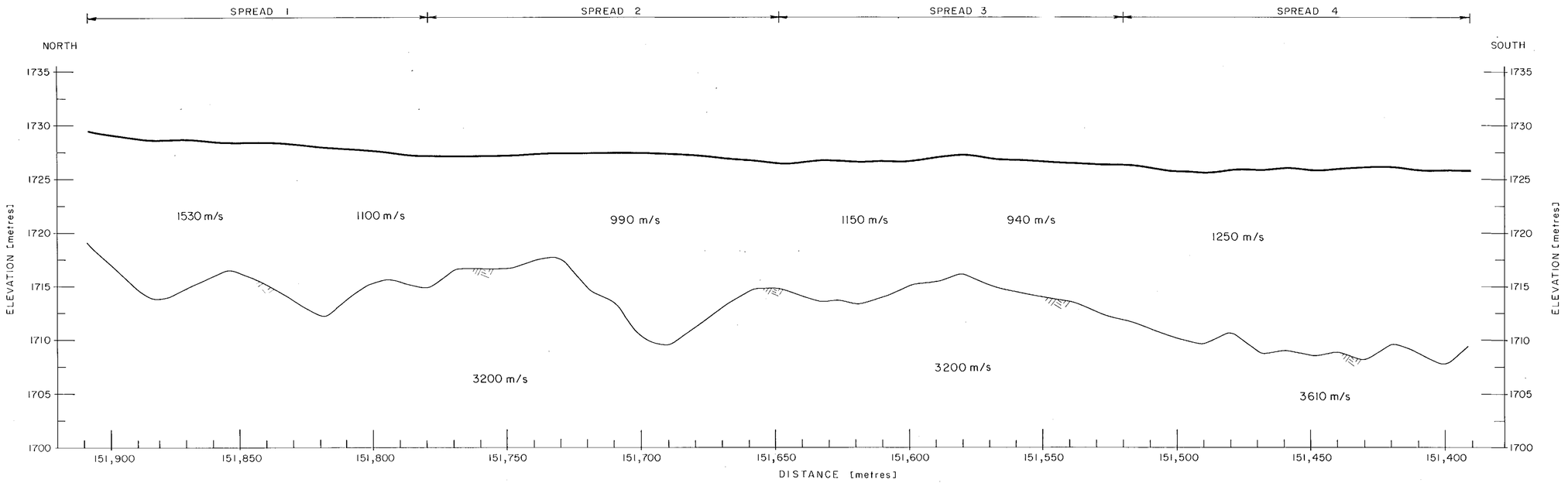
Figure 4



LEGEND

Ground Surface

Bedrock Surface

990 m/s Velocity in metres per second

SCALES

Horizontal 1 : 1000

Vertical 1 : 250

GEO-PHYSICON

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LAKE MOUNTAIN

DEPTH TO BEDROCK PROFILE

LINE 2

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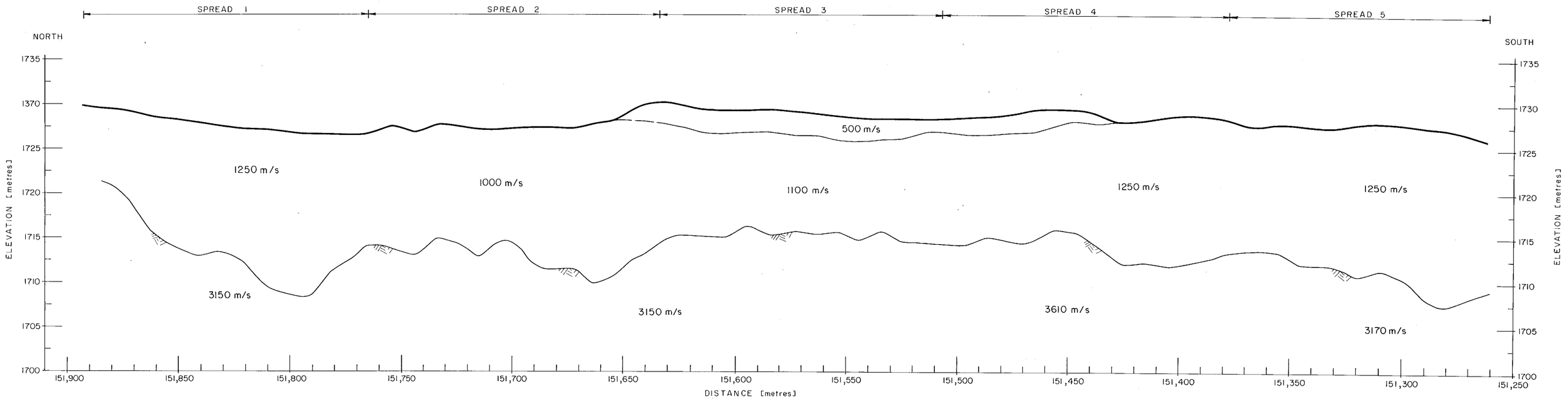
Figure 5



LEGEND

- Ground Surface
- First Refracting Layer
- Bedrock Surface
- 500 m/s Velocity in metres per second

SCALES

Horizontal 1 : 1000

Vertical 1 : 250

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LAKE MOUNTAIN

DEPTH TO BEDROCK PROFILE

LINE 3

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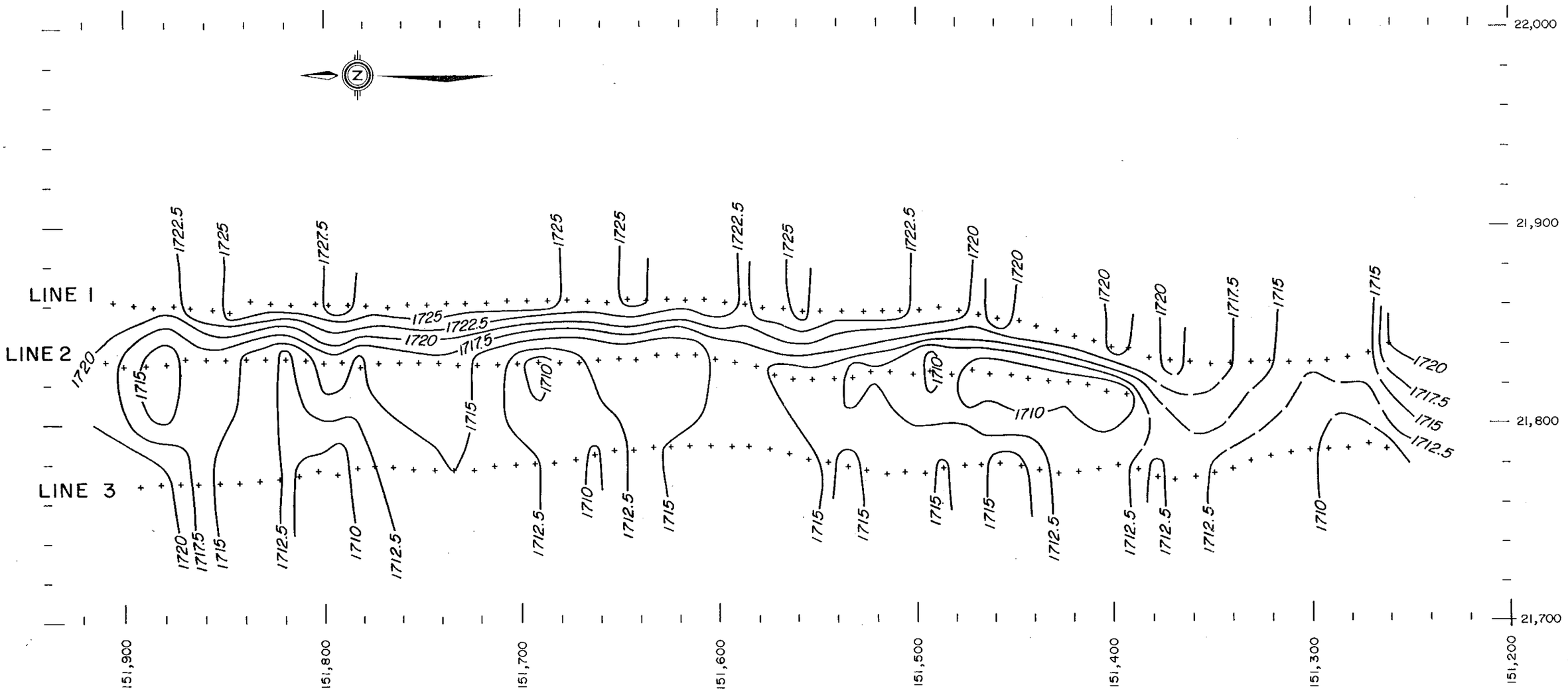
Figure 6



0 20 40 60 80 100 metres

SCALE

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LAKE MOUNTAIN

INTERPRETED BEDROCK ELEVATION CONTOUR MAP

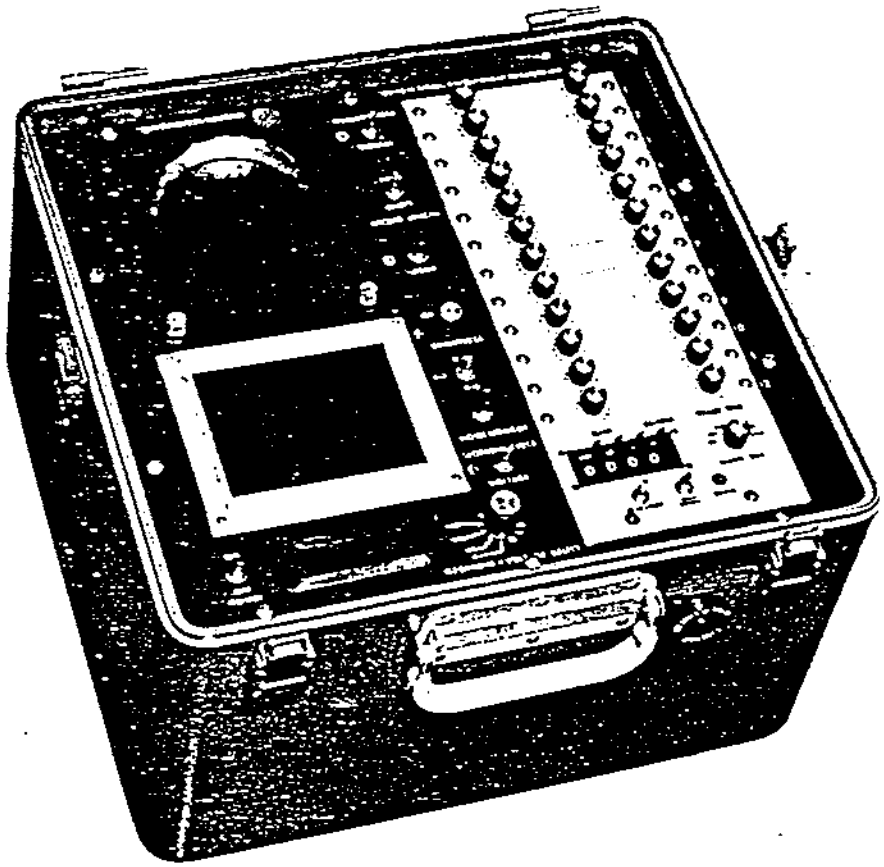
GEO-PHYSI-CON	SCALE 1:2000	DRAWN BY BB	DATE April, 1988
	N.T.S.	PROJECT NO. C88-17	FIGURE 7

APPENDIX A

geoMetrics/nimbus

MULTICHANNEL SIGNAL
ENHANCEMENT SEISMOGRAPH
MODEL ES-1210

Preliminary Data Sheet



* *Signal enhancement* for greater sensitivity, improved waveform definition, and more accurate time measurements. Operates under high noise conditions and surveys to greater depths without explosives.

* *Multichannel oscillograph* provides permanent records on high-contrast, sunlight proof, reproducible paper with wiggle trace or variable area format.

* *Daylight-visible CRT monitor* displays the signal stored in memory.

* Compact, lightweight and portable. Ruggedly packaged in weatherproof case.

* Optional digital magnetic tape recorder for computer compatible data storage.

The Nimbus ES-1210 Multichannel Signal Enhancement Seismograph is unique in its combination of CRT display, signal enhancement and oscillograph recording in a single small field instrument. Simple to use yet powerful in performance, this new instrument is ideally suited for all shallow geologic investigations for mining, construction and geologic exploration.

Signal enhancement is a term used to describe the stacking process used in the ES-1210. The seismic signals for each hammer blow or shot are digitized and stored in a computer-like memory in the instrument. Unlike conventional analog seismographs, the record is not made at the instant of the hammer impact or explosion. Instead, it is held indefinitely and printed at the operator's convenience. If the impact or explosion is repeated, the seismograph will add the new signal and the old one, storing the sum back in the memory. As this process is repeated, the signal will grow larger and larger, thus enhancing its appearance on the display or oscillograph record. Seismic noise in the earth, which provides the most significant limitation in depth penetration, is random and does not add in the signal enhancement process at the same rate that the true signal does. As a result, surveys can be performed to about three times the depth that could be realized without enhancement using an equivalent energy source.

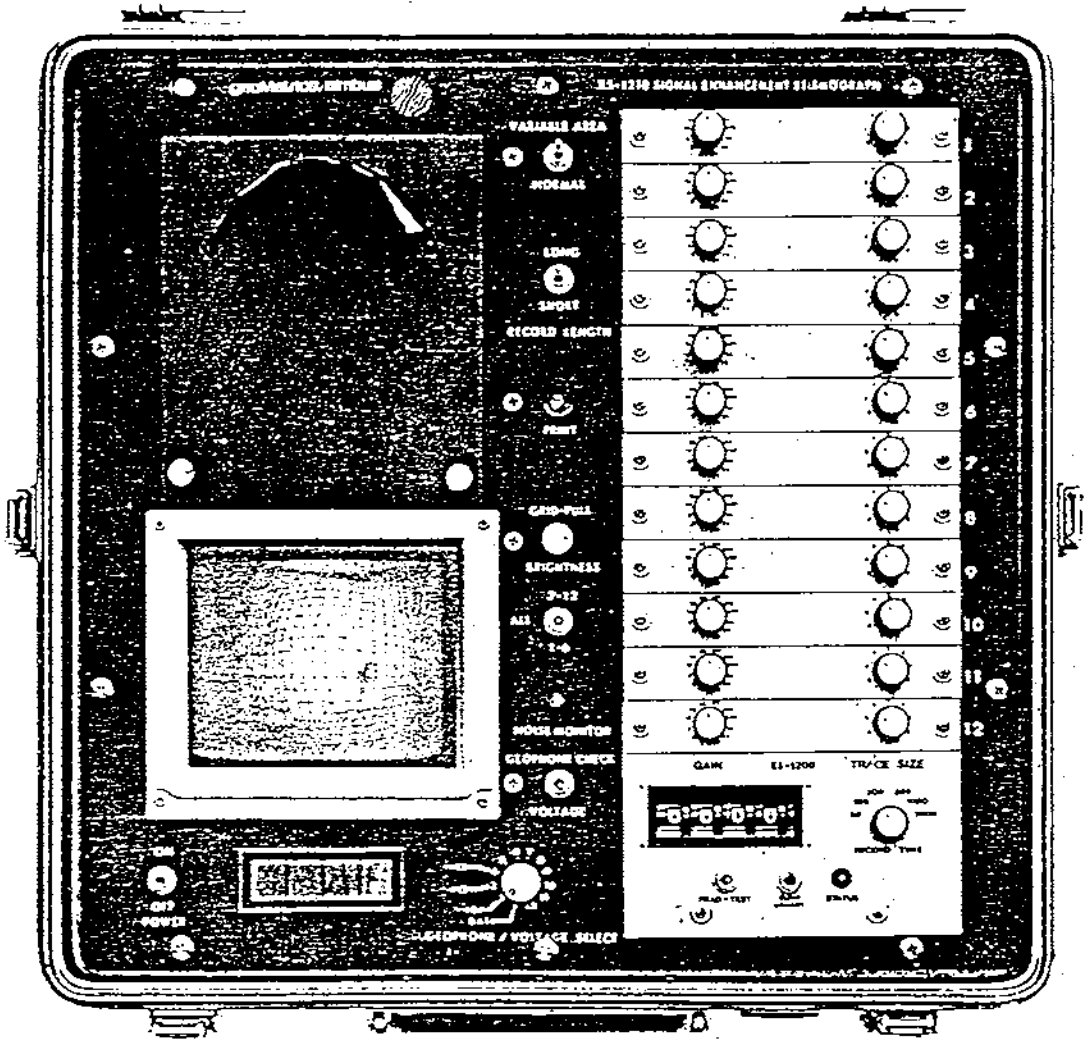
Signal enhancement is also a significant improvement in making shear wave velocity measurements. These types of surveys are important because of the dynamic parameters of foundations can be calculated from shear wave velocities, liquid saturation can be discriminated from other conditions with equivalent P-wave velocities, and shear strength can be estimated. The most reliable shear wave studies are made with mechanical sources, which means that signal enhancement is often a requirement.

Signal enhancement provides other, less obvious advantages, even when using explosive sources. Since the playback gain of the signal stored in memory is adjustable, there is less guess work involved in getting good records. Multiple copies can be made without reshooting the blast. Since the frequency response is not limited by galvanometers and paper speed, a higher time resolution is available, an important factor when working in high-velocity materials.

The signal stored in the memory is displayed on the built-in CRT monitor, and the display will have the same appearance as the paper record. A paper record can be made as often as necessary, at will, without disturbing the data stored in memory. The trace size control can be changed to optimize the record for an application. The gain may be set high for sharp breaks on the P-wave arrivals, and a hard copy made. Then the gain can be turned down for better shear waves or reflections and another copy made.

Both the CRT and oscillograph record in conventional wiggle trace and variable area. A wiggle trace record, like that of a conventional seismograph, would be selected for refraction and shear wave studies. Variable area recording (often seen on examples of petroleum reflection records) is best for reflection because that presentation emphasizes coherent events and resembles geologic structure.

The CRT display is especially important in three other situations. When working in areas with significant background noise, the display gives an instant observation of the signal quality so that it is immediately known whether to repeat impacts, freeze specific channels, or erase and start over. The other use is in shallow reflections. The instant examination of all the channels simultaneously is important in recognizing these events in the record. The third use of the CRT display is in gain selection. With the NOISE MONITOR switch depressed real time signals are shown on the CRT and the gain setting for each channel can be chosen appropriately.



CONTROLS AND FEATURES

Amplifier (input) GAIN is controlled by a 12-position switch, selectable from relative gain of 1 to 5000 in steps of 1-2-5-10 etc. Each amplifier has a 10 bit by 1024 sample memory which stores the digitized signal. Playback gain is controlled over a 20 to 1 range by the TRACE SIZE control. Pulling up the trace size control freezes the memory on that particular channel so that it will not further enhance or erase, thus saving the data while allowing operation on the other channels. Playback or display are not affected by memory freeze.

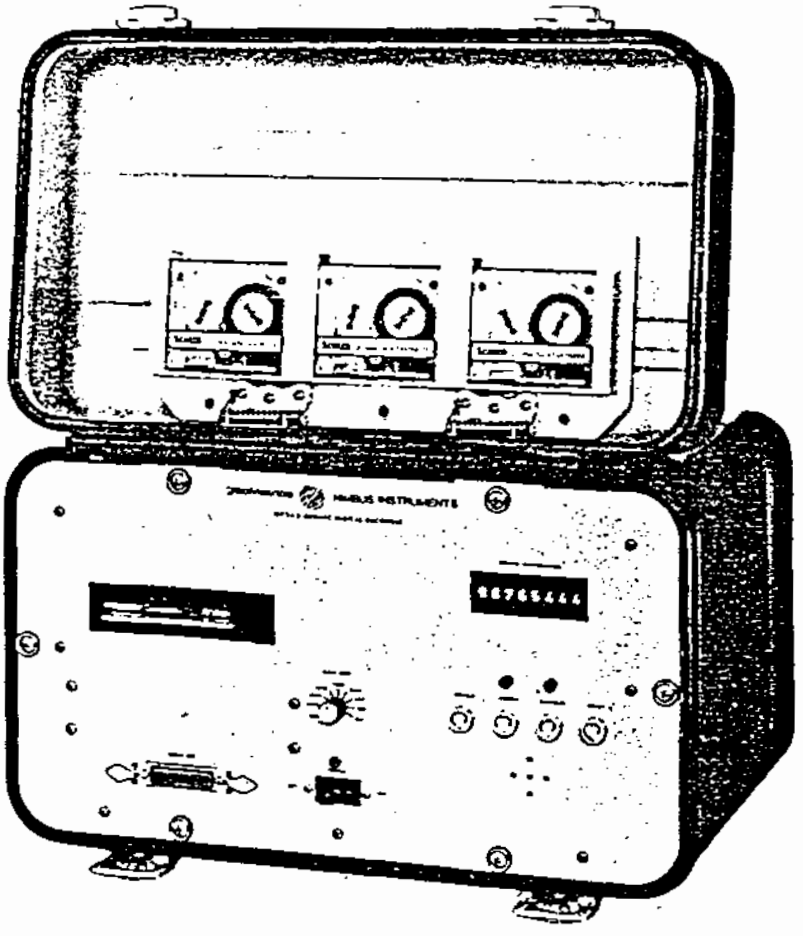
Enhancement control electronics include the RECORD LENGTH control, which selects total time of the record among 50, 100, 200, 500, 1000 or 2000 milliseconds. The record DELAY postpones the start of the record up to 9.999 seconds in one milliseconds increments, allowing you to look later in time, delete unnecessary leading portions of the signal, and maintain faster sampling rates for later events. CLEAR MEMORY controls erases the data stored in the memory. An interlock is provided (both AD and CLEAR must be used) to prevent accidental erasure of valid data. TEST provides a start command to take a record in lieu of hammer switch or blaster.

The CRT display is five inches (13 cm) diagonal measurement. It displays all 12 channels simultaneously or switch selected combinations of six channels as desired. It has a special light filter to allow direct viewing in sunlight without special hoods. The bezel will fit standard oscilloscope cameras so that photographs may be made of the display if desired. Timing lines may be superimposed on the CRT at will by pulling up on the BRIGHTNESS control. The timing line intervals vary, depending on the record length, so that appropriate resolution and clarity is maintained.

A digital voltmeter is provided to measure the battery voltage, internal power voltages, and individual geophone resistances. The NOISE MONITOR, when selected, couples the amplified geophone signals to the CRT display. This allows monitoring the instantaneous background noise so that records may be made during quiet periods.

The data stored in the memory may be accessed externally. An optional digital tape recorder, the G-724S, is available to provide computer compatible storage of the data. The G-724S will store 10 full records (120 channels) in a reduced resolution, 8-bit format, or you can store 5 records (60 channels) in the full 10-bit format. The G-724S serves as its own playback device, outputting the data in an RS-232 format which is directly interfaceable to most computers including desk top models.

G-724S Digital Recorder



Nimbus ES-1210

SPECIFICATIONS

Basic refraction and reflection system includes: 12-channel exploration seismo-graph, 12-volt battery pack, 110/220 volt charger, power cord, hammer switch, and instruction manual.

Signal Enhancement:	samples, digitizes, and stores signal in a random access memory. Repeated signals are added while random noise is cancelled or limited.
Memory Size:	10 bits by 1024 words on each channel.
Sample Interval:	switch selectable 50, 100, 200, 500, 1000, or 2000 microsecon
Record Length:	switch selectable 50, 100, 200, 500, 1000, or 2000 millisecon
CRT Display:	5" diagonal measurement CRT, daylight visible without hoods, switch selectable time lines, camera compatible, and displays wiggle trace or variable area record display.
Oscillograph:	permanent record of all 12 channels simultaneously on 4" wide electrosensitive paper. Record will not fade in light, and reproduces on copying machines.
Noise Monitor:	ambient vibrations displayed on CRT allowing timing of energy source during quiescent periods and the optimization of gain adjustments.
Timing:	crystal controlled, .01% accurate, time lines are switch selectable on CRT and high or low resolution on oscillographic record.
Precision Delay:	postpones start of record up to 9.999 seconds in one millisecond increments.
Digital Meter:	indicates battery voltage, geophone resistance on each channe power supply voltages.
Digital Output:	a panel connector to allow digital recording of signal stored in memory on optional digital recorder Model G-724S.
Record Initiation:	by contact closure, saturated NPN transistor, or negative 5-volt pulse.
Standard Size/Weight: (seismograph)	14 X 15 X 15 inches (36 X 38 X 40 cm) lid closed 38 pounds (17 kg)
Power Requirements:	12 volts, 3.5 amperes
Seismograph Case:	Heavy duty aluminum with lid and water tight seal.

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APPENDIX B

APPENDIX B

REFRACTION SEISMIC PROFILING

The refraction seismic method makes use of the contrast in seismic velocity between materials above and below a seismic boundary. The lower material is required to have a greater seismic velocity than the upper material. Figure B1 is a schematic of the paths along which seismic energy may be propagated between an energy source and receiving geophone for a two layer section. It is evident from the figure that only the critically refracted wave path carries information about both the thickness of overlying material and the refractor velocity.

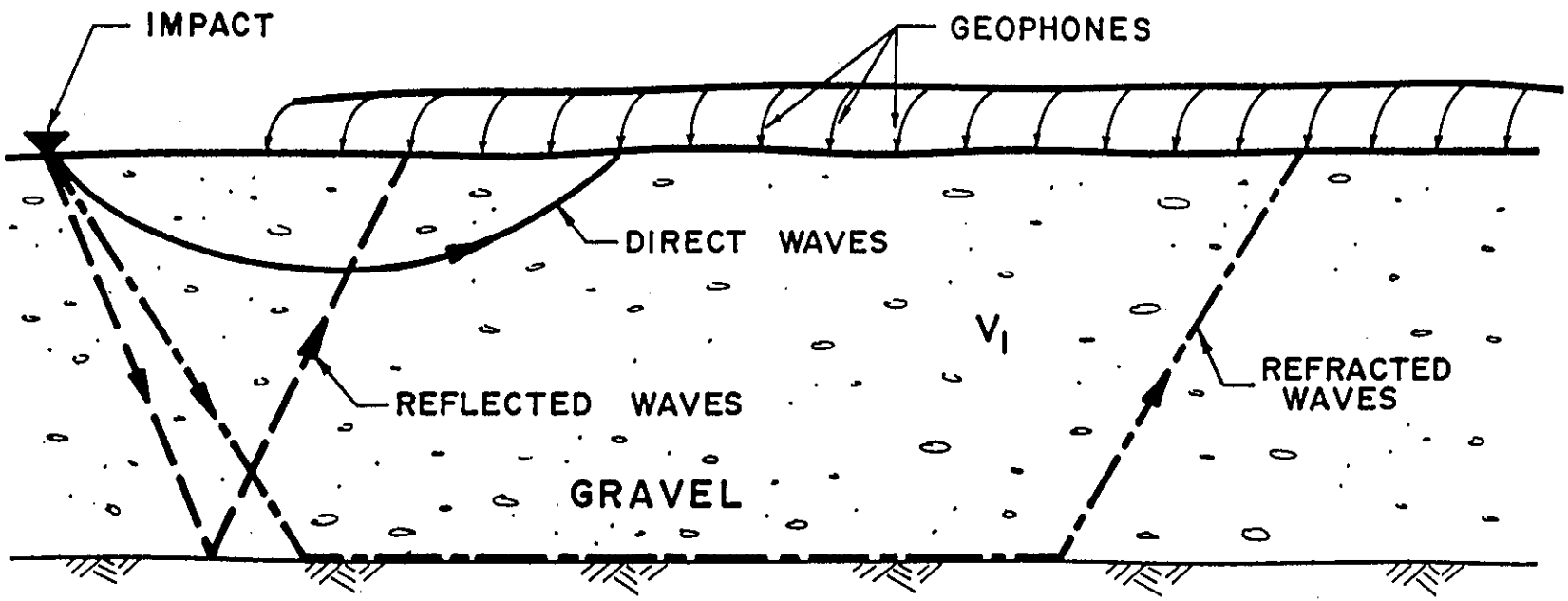
The method of data processing for refraction seismic requires that the times of the wave arrival be measured at a number of geophones for locations of the source offset from both sides of the geophones. For any particular geophone recording arriving energy that travels a refracted path from sources offset from each side of the geophone, the difference in the arrival times is related to the thickness of material above the refracting surface. This method is often referred to as the

plus-minus or delay time method. Its use for a simple two layer structure is shown in Figure B2 and is described briefly below.

The first arrival times are plotted as a function of distance (Figure B2a). The difference in arrival times at each geophone from shots offset to either side of the geophone are also plotted as a function of distance (b). On this plot, the difference in arrival times for geophones recording refractions from each direction fall on a straight line. The slope of this line is $2/V_2$, where V_2 is the compressional velocity characteristic for the lower material. It is assumed that the velocity determined along the surface of the refractor is identical to the velocity within the refractor, i.e. the materials are isotropic. For each geophone that recorded arrivals refracted from the lower material, the delay time (defined and plotted in Figure B2d) is computed. The depth to the lower material is related to the delay time by the function shown in Figure B2c.

Critical to the accurate determination of depth to refractors are the delay time, the values of overburden velocity, and the travel time between the source locations (reciprocal travel time). These parameters are derived from the time distance plot (Figure B2a).

Control of overburden velocity is maintained through recording of two interior shots along each seismic spread. There are then at least four estimates of surface material velocity for each such spread. With the shot arrangement used, each seismic spread is composed of six sub-spreads. When refractors occur at shallow depths, it is possible to determine at least three delay times to the refractor at each geophone location using data from the different shot locations.



$V_2 > V_1$

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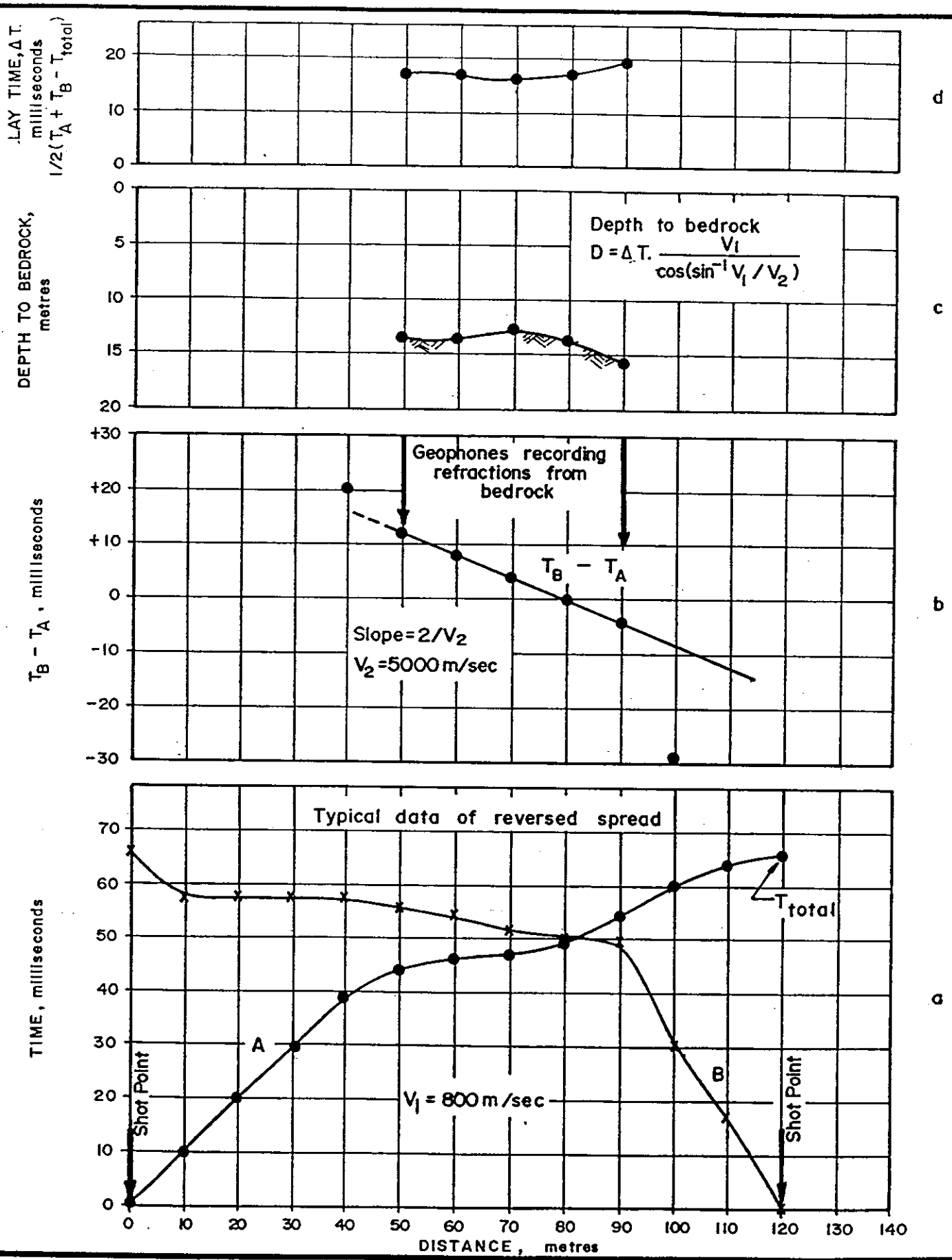
ENGINEERING GEOPHYSICAL CONSULTANTS

PATHS OF SEISMIC WAVES

Figure B1



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TYPICAL REVERSE SEISMIC REFRACTION DATA AND ANALYSIS

Figure B2

OPEN FILE

SUMMARY REPORT - 19[illegible] EXPLORATION

APPENDIX I

CONFIDENTIAL

750

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Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
80.5	81.0		78976			4.3			7½			
81.0	81.5		78977			16.0			7			
81.5	82.0		78978			10.6			7			
82.0	82.5		78979			47.2			2½			
82.5	83.0		78980			12.2			7			
83.0	83.5		78981			5.3			7½			
83.5	84.0		78982			4.2			7½			
84.0	84.5		78983			5.2			7½			
84.5	85.0		78984			5.6			7	✓		
85.0	85.5	Compo #294	78985			7.2			4½			
85.5	86.0		78986			6.0			7½			
86.0	86.5		78987			6.2			7½			
86.5	87.0		78988			15.0			7½			
87.0	87.5		78989			23.8			6			
87.5	88.0		78990			12.3			7			
88.0	88.5		78991			9.8			7			
88.5	89.0		78992			36.0			3½			
89.0	89.5		78993			44.0			3½			
89.5	90.0		78994			67.2			1			
				#294	1.1	18.2	22.2		5⅓	30		
93.0	93.5	#295 prox <	78995			27.2			5½			
				#295	1.0	27.2	22.2		6	55		
109.5	110.0		78996			62.9			1½			
122.5	123.0		78997			36.8			4½			
123.0	123.5		78998			9.6			7½			
123.5	124.0		78999			21.8			6			
124.0	124.5		79000			33.0			3			
124.5	125.0		78876			10.4			6½			
125.0	125.5		78877			9.4			7			
125.5	126.0	#296 prox	78878			8.6			7			
126.0	126.5		78879			6.2			7½			
126.5	127.0		78880			7.2			7			

CONFIDENTIAL

AREA - Eagle Stage 4 West

PAGE NO. 1 of 4

HOLE NO. RH - 1984

750

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
127.0	127.5		788 81			10.5			7			
127.5	128.0		788 82			37.0			5½			✓
128.0	128.5		788 83			64.6			1			
				#296	1.1	18.0	21.0		5½	.59		
131.5	132.9		788 84			70.4			1			
137.5	138.0		788 85			75.6			½			
144.5	145.0	prox. #297	788 86			56.6			2			
145.0	145.5		788 87			16.5			7			
145.5	146.0		788 88			16.6			7			
				#297	1.0	16.6	28.5		7	.86		✓
152.0	152.5	prox. #298	788 89			15.1			7			
152.5	153.0		788 90			18.1			7			
153.0	153.5		788 91			50.2			2			
153.5	154.0		788 92			60.3			1½			✓
				#298	1.0	17.0	27.1		7	.82		
163.5	164.0		788 93			64.6			1½			
164.0	164.5		788 94			54.8			2			
164.5	165.0		788 95			38.6			4			
165.0	165.5	prox #299	788 96			19.4			7			✓
165.5	166.0		788 97			52.1			2½			
166.0	166.5		788 98			47.7			3½			
166.5	167.0		788 99			60.6			2½			
				#299	0.9	39.5	22.5		5	.54		
173.0	173.5	over #300	789 00			37.6			4½			

AREA - Eagle Stage 4 West

HOLE NO. RH-1984

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
173·5	174·0	prox	788 51			35.2			6			
174·0	174·5		788 52			36.8			4½			
				#300	09	36.6	22.5		5	1.10		
				#301	09	36.9	22.4		5	.55		
208·0	208·5	prox #303	788 53			32.0			2			
208·5	209·0		788 54			26.4			6			
209·0	209·5		788 55			60.3			1½			
209·5	210·0		788 56			44.0			3			
210·0	210·5	prox #302	788 57			21.0			6½			
210·5	211·0	prox #304	788 58			12.6			7			
211·0	211·5		788 59			42.4			4½			
211·5	212·0		788 60			18.8			7			
212·0	212·5	prox #301	788 61			36.9			6½			
212·5	213·0		788 62			55.0			2			
213·0	213·5		788 63			42.2			4½			
213·5	214·0		788 64			58.0			3			
214·0	214·5		788 65			7.9			8			
214·5	215·0	prox #305	788 66			19.9			6½			
215·0	215·5		788 67			40.2			4½			
215·5	216·0		788 68			60.5			2			
				#302	0.8	33.5	21.8		5½	4.5		
				#303	0.9	29.5	22.5		3½	5.3		
				#304	1.0	27.1	24.1		6½	3.4		
217·5	218·0		788 69			74.9			1			
				#305	1.0	22.6	24.8		6½	.90		
225·0	225·5	Compo #306	788 70			29.8			6½			
225·5	226·0		788 71			39.7			6			
				#306	1.0	35.5	21.7		6	.74		
236·5	237·0		788 72			34.1			5½			
237·0	237·5	Compo #307	788 73			42.8			4			
237·5	238·0		788 74			10.6			7½			
238·0	238·5		788 75			31.4			7			
				#307	0.8	31.4	21.5		5½	.62		

AREA - Eagle Stage 4 West

HOLE NO. RH-1984

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
239.0	239.5		787 51			24.0			7			
239.5	240.0		787 52			5.5			8			
240.0	240.5		787 53			7.0			7½			
240.5	241.0		787 54			5.7			7			
241.0	241.5		787 55			11.2			7			
241.5	242.0		787 56			8.6			7½			
242.0	242.5	Comp #308	787 57			9.3			7			
242.5	243.0		787 58			15.4			7			
243.0	243.5		787 59			9.2			7			
243.5	244.0		787 60			5.0			8			
244.0	244.5		787 61			5.3			7½			
244.5	245.0		787 62			11.1			7½			
				#308	1.0	10.6	21.6		7	.64		
249.5	250.0		787 63			42.6			1½			
250.0	250.5		787 64			62.0			1			
250.5	251.0		787 65			59.2			1½			
257.5	258.0		787 66			45.6			1			
258.0	258.5		787 67			59.0			1			
258.5	259.0		787 68			65.8			1			
259.0	259.5		787 69			68.8			1			
			787 70			No sample*						

*rather than hold the sheets for one missing sample, we'll send them out and send the assay #78770 if/when it does show up for Chl.

AREA Eagle Stage 4 West PAGE NO 4 of 4 HOLE NO RH-

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
31.0	31.5	Carpo 273	78826			45.2			4½			
31.5	32.0		78827			35.0			6½		180	
32.0	32.5		78828			41.6			5½			
				#273	CR	39.8	23.1		5½	.691		
43.5	44.0		78829			53.6			1			
52.0	52.5		78830			MISSING						
52.5	53.0		78831			MISSING						
71.0	71.5		78832			17.9			5			oily
71.5	72.0		78833			66.0			1½			
72.0	72.5		78834			44.0			3			
72.5	73.0		78835			39.4			6			
73.0	73.5		78836			4.4			7½			oily
73.5	74.0	1.0	78837			6.2			7½			oily
74.0	74.5		78838			4.5			7½		151	
74.5	75.0		78839			4.1			7½			
75.0	75.5		78840			3.7			7½			
75.5	76.0		78841			8.8			1½			
76.0	76.5	Carpo 274	78842			3.6			8			
76.5	77.0		78843			4.2			7½			
77.0	77.5		78844			15.7			7			
77.5	78.0	Carpo 275	78845			27.2			6½			
78.0	78.5		78846			19.8			6½			
78.5	79.0		78847			5.2			7			
79.0	79.5		78848			8.3			8			
79.5	80.0		78801			54.6			1			
				#274	0.9	17.2	29.3		7	.34	150	
				#275	1.0	9.6	31.1		7½	.28	8402/7511	
81.0	81.5	1½ 276 Carpo	78802			10.0			7½			
81.5	82.0		78803			27.4			7			
82.0	82.5		78804			68.4			1			
				#276	0.8	17.8	29.7		7½	.59	152	

AREA - Eagle Stage 4 West

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HOLE NO. RH-1985

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
95.5	96.0	Comp 277	788 05			29.6			6½			
96.0	96.5		788 06			32.8			6½			
96.5	97.0		788 07			44.6			5			
				#277	0.8	34.7	22.4		5½	63	129	
99.0	99.5	Comp 278	788 08			18.6			7½			
99.5	100.0		788 09			20.4			6			
				#278	0.9	20.2	27.1		7	72	127	
107.5	108.0	Comp 279	788 11			8.5			7			
108.0	108.5		788 12			29.3			7			
108.5	109.0		788 13			19.7			6½			
109.0	109.5		788 14			10.0			7½			
				#279	0.7	16.8	27.8		7	69	143	
110.0	110.5	Comp 280	788 15			21.7			7½			
110.5	111.0		788 16			11.3			7½			
111.0	111.5		788 17			25.9			6½			
111.5	112.0		788 18			30.6			7			
				#280	0.7	23.1	26.9		7½	55	141	
136.0	136.5		788 19			69.1			1			
138.5	139.0		788 20			59.4			3			
140.0	140.5	Comp 282	788 21			34.9			5½			
140.5	141.0		788 22			35.3			5			
141.0	141.5	Comp 280	788 23			32.1			5½			
				#282	0.8	34.0	22.2		6½	64		

over

AREA - Eagle Stage A West

HOLE NO. RH-1985

Fordisc COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
		see page 2										
141·5	142·0	281	788 24			52.5			2			
142·0	142·5		788 25			35.2			4½			
				#281	07	39.5	22.3		4½	·61	140	
149·0	149·5		787 76			14.9			7½			
149·5	150·0		787 77			34.9			5			
150·0	150·5	Comp 282	787 78			27.3			7			
151·0	151·5		787 79			26.7			6			
151·5	152·0		787 80			40.3			5½			
				#283	07	31.6	23.7		6	·74	142	
158·0	158·5	Comp 284	787 81			59.8			2			
158·5	159·0		787 82			33.4			5½			
				#284	08	47.0	21.1		4	·61	144	
192·0	192·5		787 83									
192·5	193·0 *		787 84									
193·0	193·5 *		787 85									
193·5	194·0 *	See attached sheet	787 86									
194·0	194·5 *		787 87									
194·5	195·0 *	Comp 285	787 88									
195·0	195·5		787 89			19.0			6½			oily
195·5	196·0	Comp 287	787 90			16.9			7			oily
196·0	196·5		787 91			16.8			7			oily
196·5	197·0		787 92			16.0			7			oily
197·0	197·5		787 93			55.0 -			3			
197·5	198·0		787 94			34.0			7			
198·0	198·5	Comp 288	787 95			14.0			7			
198·5	199·0		787 96			10.8			7½			
199·0	199·5		787 97			69.2			1			
				#285	0.7	21.2	24.7		7	·49		
				#286	·06	11.4	24.7		7½	·76	8485 / 7816	
				#287	07	24.2	24.4		7	·68	12?	
203·5	204·0		787 98			52.0			3½			
204·0	204·5		787 99			56.5			2			
204·5	205·0		788 00			42.2			4½			

AREA - Eagle Stage 4 West

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HOLE NO. RH - 1985

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
226.0	226.5		79776			80.1			0			
226.5	227.0		79777			41.3			0			
235.0	235.5		79778			55.2			2			
235.5	236.0		79779			49.9			3½			
236.0	236.5		79780			21.4			7			
236.5	237.0		79781			15.0			6½			
237.0	237.5		79782			2.0			7½			
237.5	238.0		79783			7.4			7½			
238.0	238.5		79784			8.4			7½			
238.5	239.0	Comp 288	79785			8.0			7½			
239.0	239.5		79786			5.6			7½			
239.5	240.0		79787			4.9			8			
240.0	240.5		79788			29.7			5			
240.5	241.0		79789			31.5			5			
				#288	0.9	14.4	24.9		7½	75	8501/7200	120
253.0	253.5		79790			59.0			1			
253.5	254.0		79791			68.4			1			
267.0	267.5		79792			16.8			8			
267.5	268.0		79793			47.8			5½			
268.0	268.5		79794			9.6			7½			
268.5	269.0	Comp 290 Comp 288	79795			6.9			7½			
269.0	269.5	Comp	79796			19.2			6			
269.5	270.0		79797			30.0			6½			
270.0	270.5		79798			26.5			3			
270.5	271.0		79799			40.4			2½			
271.0	271.5		79800			49.0			4			
271.5	272.0		79801			63.5			1			
				#289	0.5	22.2	22.5		6½	46		
				#290	0.5	27.4	21.0		6	46	111	

AREA - Eagle Stage 4 West

HOLE NO. RH - 1985

![Fording Coal Limited logo]

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
273.0	273.5		79802			87.5			0			
273.5	274.0		79803			83.0			0			
274.0	274.5		79804			80.7			0			
				#291	06	[illegible]	20.0		5½	[illegible]	110	
278.5	279.0		79805			34.7			5½			
279.0	279.5		79806			37.5			6			
279.5	280.0		79807			44.0			6			
280.0	280.5		79808			30.3			4			
280.5	281.0	Compo 291 (79805–79813)	79809			16.5			6			
281.0	281.5		79810			9.2			7			
281.5	282.0		79811			19.7			6½			
282.0	282.5		79812			30.3			4½			
282.5	283.0		79813			43.2			5			
283.0	283.5		79814			64.0			1½			
283.5	284.0		79816			67.5			1			
284.0	284.5		79817			21.2			6½			
284.5	285.0		79818			8.7			7½			
285.0	285.5	Compo 292 (79817–79821)	79819			12.7			7½			
285.5	286.0	Compo 293 (79816–79823)	79820			30.9			5½			
286.0	286.5		79821			17.3			6			
286.5	287.0		79822			48.0			3			
287.0	287.5		79823			34.9			5			
287.5	288.0		79824			72.6			1			
				#292	06	18.8	23.6		7	96		
				#293	07	24.4	22.9		6½	103	110	

AREA - Eagle Stage 4 West

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Fordine COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
35·5	36·0		79826			52.9			½			
36·0	36·5		79827			47.6			3½			
36·5	37·0		79828			75.1			1			
47·0	47·5		79829			56.2			1			
47·5	48·0		79830			54.6			1			
55·5	56·0		79831			40.6			2½			
56·0	56·5	353 Coupon	79832			41.7			3½			
				#353	0.4	44.5	23.7		3½	·51	199	
73·0	73·5		79833			45.1			4			
73·5	74·0		79834			35.1			5			
74·0	74·5		79835			32.1			5			
74·5	75·0		79836			10.9			7			
75·0	75·5		79837			10.7			6½			
75·5	76·0		79838			9.5			4			
76·0	76·5		79839			3.3			3½			
76·5	77·0	352 Coupon	79840			5.5			6½			
77·0	77·5		79841			3.3			7			
77·5	78·0	Coupon 354	79842			3.4			7			
78·0	78·5		79843			4.1			7			
78·5	79·0		79844			4.8			7			
79·0	79·5		79845			11.2			6½			
79·5	80·0		79846			13.6			7			
80·0	80·5		79847			9.0			7½			
80·5	81·0		79848			17.8			6			
81·0	81·5		79849			50.2			3			
81·5	82·0		79850			59.7			1			
82·0	82·5		79851			47.3			1			
				#354	0.7	14.3	29.5		6½	·32	150	
				#355	1.2	8.6	30.1		7	·27		

AREA - Eagle Stage 4 West

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HOLE NO. RH-1986

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
83.0	83.5	356 Coupon	79852			23.8			7			
83.5	84.0		79853			6.7			7½			
84.0	84.5		79854			70.1			1			
				#356	0.8	18.0	28.8		7	.50	152	
101.5	102.0		79855			66.5			1			
102.0	102.5		79856			65.6			1			
				#357	0.7	33.8	25.1		4	.61	143	
114.5	115.0	143 357 Coupon	79857			22.8			3½			
115.0	115.5		79858			48.2			3½			
115.5	116.0		79859			70.6			1			
116.0	116.5		79860			53.5			3½			
116.5	117.0		79861			67.1			1			
117.0	117.5		79862			50.1			3			
117.5	118.0		79863			37.9			4			
118.0	118.5	359 Coupon	79864			30.0			6			
118.5	119.0		79865			47.4			4			
119.0	119.5	358 Coupon	79866			45.2			3			
119.5	120.0	141	79867			56.5			3½			
120.0	120.5	360 Coupon	79868			33.8			4½			
120.5	121.0		79869			49.4			5			
			79863-869	#358	0.8	43.8	21.1		4	.99	141	
			79863-866	#359	0.8	41.9	22.0		4	1.22		
			79868-869	#360	0.6	42.5	20.4		4½	.52		
155.0	155.5		79871			37.7			5			
155.5	156.0	Coupon 361	79872			39.4			4½			
156.0	156.5		79873			45.3			4			
156.5	157.0		79874			37.3			4			
				#361	0.7	40.2	22.2		5	.65	140	
164.0	164.5		79875			49.1			3½			

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HOLE NO. RH-1986

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
164·5	165·0	Coup 362	79876			40.4			5			
165·0	165·5		79877			38.4			4½			
165·5	166·0		79878			36.8			4½			
166·0	166·5		79879			67.0			1			
166·5	167·0		79880			54.0			2½			
				#362	0.7	39.2	21.2		4½	·51	142·	
174·0	174·5	Coup 363	79881			39.2			3½			
174·5	175·0		79882			42.8			3			
175·0	175·5		79883			50.1			3			
175·5	176·0		79884			78.4			½			
176·0	176·5		79885			77.6			½			
176·5	177·0		79886			73.8			1			
				#363	0.6	41.6	21.2			1.03	144	
195·0	195·5		79887			31.6			5½			
195·5	196·0		79888			36.8			5½			
196·0	196·5		79889			23.8			6½			
196·5	197·0		79890			10.5			6½			
197·0	197·5	Coup 365	79891			7.8			7½			
197·5	198·0		79892			8.0			7½			
198·0	198·5	Coup 364	79893			8.8			7½			
198·5	199·0		79894			37.7			3½			
199·0	199·5		79895			40.3			4			
199·5	200·0		79896			30.0			5			
200·0	200·5		79897			32.0			6			
200·5	201·0		79898			23.8			6½			
201·0	201·5		79899			58.1			2½			
				#364	0.7	23.0	23.6		7	·43	130	
				#365	0.8	12.3	26.6		7	·50		

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HOLE NO. RH-1986

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
233·0	233·5		79901			63.8			1			
239·0	239·5		79902			31.9			6½			
239·5	240·0		79903			26.0			6			
240·0	240·5		79904			37.3			4½			
240·5	241·0		79905			11.4			6½			
241·0	241·5	Comp 366	79906			11.5			6½			
241·5	242·0		79907			12.8			6½			
242·0	242·5		79908			10.4			7			
242·5	243·0		79909			8.4			7½			
243·0	243·5		79910			6.2			7½			
243·5	244·0		79911			37.3			6½			
				#366	0.6	20.3	24.8		7	·54	120	
256·5	257·0		79912			59.1			1			
257·0	257·5		79913			67.8			1			
			79914-920	#367	0.9	19.6	23.2		6½	·55	111	
275·0	275·5		79914			28.6			7			
255·5	276·0		79915			36.4			6			
276·0	276·5		79916			11.5			7			
276·5	277·0	Comp 367	79917			8.6			7½			
277·0	277·5		79918			12.0			7			
277·5	278·0		79919			18.5			6			
278·0	278·5		79920			14.9			4½			
278·5	279·0		79921			52.9			1½			
279·0	279·5		79922			49.4			4½			
279·5	280·0		79923			54.2			4			
286·0	286·5		79924			25.0			7			
286·5	287·0		79925			32.3			6½			
287·0	287·5	Comp 368 (9)	79926			26.4			6½			
287·5	288·0		79927			22.7			6½			
288·0	288·5		79928			12.6			6½			
288·5	289·0	over over	79929			14.0			7			

AREA - Eagle Stage 4 West

HOLE NO. RH - 1986

Fordine COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
289·0	289·5		79930			22.6			6½			
289·5	290·0		79931			26.6			5½			
290·0	290·5		79932			39.8			4½			
290·5	291·0		79933			46.1			5½			
291·0	291·5		79934			10.4			1½			
291·5	292·0		79935			36.6			5½			
292·0	292·5		79936			12.0			7½			
292·5	293·0		79937			37.6			5½			
293·0	293·5		79938			41.2			4			
293·5	294·0		79939			59.0			1			
		a	79929-32	#368	0.6	25.8	21.7		6½	.61		
		b	79935-38	#369	0.6	32.5	22.6		6½	1.31		
		c	79924-28	#370	0.6	31.5	22.7		6	.90	110	

AREA - Eagle Stage 4 West

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HOLE NO. RH-1986

Eagle Stage 6 West R.H. # 1987

ROTARY DRILL HOLE SAMPLING RECORD

Fording COAL LIMITED

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
						29.6			6			
13.0	13.5	Compo #335	79676	#335	1.2	29.2	28.0		5½	.54	199	
19.5	20.0		79677			49.2			2			
45.0	45.5		79678			56.9			2			
45.5	46.0		79679			48.8			4			
46.0	46.5		79680			42.2			4			
122.5	123.0		79681			66.3			1			
140.0	140.5		79682			36.3			4			
140.5	141.0		79683			28.0			6½			
141.0	141.5		79684			17.2			7			
141.5	142.0		79685			3.4			7			
142.0	142.5		79686			8.1			7½			
142.5	143.0		79687			9.4			7			
143.0	143.5		79688			5.3			7			
143.5	144.0	Compo 336	79689			7.3			4½			
144.0	144.5		79690			10.5			3½			
144.5	145.0		79691			6.4			6			
145.0	145.5		79692			13.5			6½			
145.5	146.0		79693			28.4			5			
146.0	146.5		79694			20.3			6½			
146.5	147.0		79695			24.9			6½			
147.0	147.5		79696			38.9			4½			
				#336	1.1	17.9	28.2		7	.34	150	
153.0	153.5		79697			57.8			1½			
153.5	154.0		79698			44.2			3½			

COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
171·5	172·0		79699			65.2			1			
				#337	0.9	25.2	25.5		6½	·66	143	
184·5	185·0		79701			49.4			3			
185·0	185·5		79702			29.4			6½			
185·5	186·0	compo	79703			20.4			6½			
186·0	186·5	337	79704			30.3			6			
186·5	187·0		79705			58.2			2			
187·0	187·5		79706			68.9			1			
187·5	188·0		79707			57.6			2½			
188·0	188·5		79708			42.5			4			
188·5	189·0	compo	79709			44.9			4			
189·0	189·5	338	79710			29.6			7			
189·5	190·0		79711			54.5			4½			
				#338	0.9	38.6	22.0		4½	·60	141	
194·0	194·5		79712			38.2			5			
194·5	195·0	compo	79713			29.0			7			
196·0	195·5	339	79714			34.8			6½			
				#339	1.1	35.0	22.9		6½	·58	141	
219·0	219·5	prox	79726			22.1			6½			
219·5	220·0	340	79727			76.1			1			
				#340	0.9	21.9	26.6		6½	1.42	140	
222·5	223·0		79728			57.0			3			
223·0	223·5	prox	79729			26.2			6½			
223·5	224·0	341	79730			67.3			2			
				#341	1.1	26.8	23.9		6	·84	141	
230·0	230·5	prox	79731			16.9			7			
230·5	231·0	342	79732			56.7			2½			
231·0	231·5		79733			54.2			3			
				#342	1.1	16.6	27.1		7	·80	41	

AREA - Eagle Stage 6 West

HOLE NO. RH-1987

COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
232.5	233.0		79734			60.0			1½			
233.0	233.5		79735			62.0			1½			
233.5	234.0		79736			40.0			4½			
234.0	234.5		79737			74.3			1			
246.0	246.5		79738			73.9			½			
246.5	247.0		79739			63.5			1			
247.0	247.5	Compo E	79740			18.4			6½			
247.5	248.0		79741			20.4			7½			
				#343	1.0	19.8	27.9		7½	.59	142	
251.5	252.0		79742			55.4			4½			
258.5	259.0		79743			56.3			1½			
259.0	259.5	Compo	79744			22.5			7			
259.5	260.0		79745			18.3			7½			
260.0	260.5		79746			61.0			1			
260.5	261.0		79747			72.3			1			
261.5	262.0		79748			58.1			3			
				#344	0.9	20.7	26.5		7	.78	154	
				#345	0.8	39.5	20.8		6	.64	131	
275.5	276.0	Compo	79749			47.7			4			
276.0	276.5		79750			36.5			6½			
276.5	277.0		79715			57.0			3½			
277.0	277.5		79716			68.0			1			
277.5	278.0		79717			14.6			7			
278.0	278.5		79718			11.9			7			
278.5	279.0	247	79719			9.3			7½			
279.0	279.5	Compo	79720			8.9			7			
279.5	280.0	246	79721			11.9			7½			
280.0	280.5	Compo	79722			24.3			6½			
280.5	281.0		79723			49.5			3½			
281.0	281.5		79724			37.0			5½			

AREA - Eagle Stage 6 West

HOLE NO. RH - 1987

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
281.5	282.0		79725			17.0			7½			
282.0	282.5		79751			78.7			1			
			79717-725	#346	0.9	19.9	25.7		7	.46	130	
			79717-722	#347	0.8	12.8	26.9		7½	.47		
283.5	284.0		79752			44.9			4			
284.0	284.5		79753			60.5			2½			
284.5	285.0		79754			58.9			1½			
286.5	287.0	prox 348	79755			32.0			5½			
				#348	0.7	31.3	23.6		6	.78	121	
302.0	302.5	prox 349	79756			30.4			4½			
302.5	303.0		79757			73.5			1			
				#349	0.8	31.0	20.5		5	.62	121	
304.0	304.5		79758			35.7			6½			
304.5	305.0		79759			17.1			7			
305.0	305.5	351 Comp	79760			38.3			5			
305.5	306.0		79761			26.6			6½			
306.0	306.5		79762			9.6			7½			
306.5	307.0		79763			62.6			2			
307.0	307.5	Comp 350 (3.8g)	79764			31.0			6			
307.5	308.0		79765			68.6			1			
308.0	308.5		79766			29.6			6			
308.5	309.0	352	79767			17.7			7			
309.0	309.5	Comp	79768			12.4			6½			
309.5	310.0		79769			8.3			7½			
310.0	310.5		79770			11.5			7½			
			79758-770	#350	0.5	29.9	24.9		7	.62	120	
			79758-762	#351	0.7	26.4	25.7		6½	.42		
			79766-770	#352	0.6	16.3	27.7		7	.75		

AREA - Eagle Stage 6 West

HOLE NO. RH-1987

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
10·5	11·0	313 Prox	79951			41.4			4½			
11·0	11·5		79952			46.0			2½			
				#313	1.1	45.5	22.8		3½	.81	195	
44·0	44·5	314 Prox	79953			37.4			5			
44·5	45·0		79954			44.6			4			
				#314	1.0	41.5	23.7		5	.43	190	
73·5	74·0		79955			67.6			1			
104·0	104·5	315 prox	79956			38.2			4			
				#315	0.8	38.6	25.8		3½	.61	199	
106·0	106·5	316 Prox	79957			43.6			5½			
106·5	107·0		79958			40.6			5½		180	
				#316	0.9	41.2	24.6		6	1.55		
137·0	137·5	Prox 317	79959			33.5			5			
137·5	138·0		79960			13.4			7			
138·0	138·5		79961			21.0			7			
138·5	139·0		79962			10.6			7½			
139·0	139·5		79963			6.1			7½			
139·5	140·0		79964			5.2			7		150	
140·0	140·5		79965			8.6			3½			
140·5	141·0		79966			5.3			6½			
141·0	141·5		79967			6.3			6			
141·5	142·0		79968			13.5			5½			
142·0	142·5		79969			19.4			7			
142·5	143·0		79970			18.2			7			
143·0	143·5		79971			19.5			7			
143·5	144·0		79972			26.6			6½			
				#317	1.0	14.3	29.6		7	.37	8263/6999	

AREA - Eagle Stage 6 PAGE NO. 1 of ____ HOLE NO. RH-1988

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
		Do not sp.										
149.5	150.0	Do not sp. 318 prox	79973			31.4			5			
				#318	0.9	31.4	25.7		5½	.53	199210	
185.0	185.5		79974			28.5			5			
185.5	186.0	320 prox	79975			31.8			4½			
186.0	186.5		79976			30.6			5			
186.5	187.0		79977			34.0			6			
187.0	187.5		79978			44.7			3			
187.5	188.0		79979			53.4			1½			
188.0	188.5	319	79980			18.4			6			
188.5	189.0	Prox	79981			41.0			5			
189.0	189.5	321 prox	79982			17.0			7			
189.5	190.0		79983			23.6			7			
190.0	190.5		79984			30.7			5			
190.5	191.0		79985			59.2			2			
191.0	191.5		79986			65.5			2			
				#319	C.7	33.2	24.0		6	.67	141210	
				#320	C.8	31.4	24.3		5	.66		
				#321	C.8	25.2	26.3		6½	6.3		
215.0	215.5		79987			64.7			1			
215.5	216.0		79988			56.8			2			
216.0	216.5		79989			48.5			3			
216.5	217.0		79990			56.6			3			
223.0	223.5		79991			43.3			4			
223.5	224.0		79992			42.8			3			
224.0	224.5	322 prox	79993			43.0			3			
224.5	225.0		79994			45.3			4			
225.0	225.5		79995			45.3			4			
				#322	0.8	46.6	19.6		3½	.54	140210	
235.0	235.5		79996			71.6			0			
235.5	236.0		79997			40.3			3			
236.0	236.5	323 prox	79998			30.9			5½			
236.5	237.0		79999			26.3			6½			

AREA - Eagle Stage 6 (cont)

HOLE NO. RH-1988

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
237.0	237.5		80000			44.9			3½			
				#323	0.7	37.3	22.3		5	.59	14221.0	
238.5	239.0		79501			48.7			2			
239.0	239.5		79502			53.6			2½			
244.0	244.5	324 Prox	79503			42.4			3			
244.5	245.0		79504			14.2			7½			
245.0	245.5		79505			23.5			7			
245.5	246.0		79506			57.0			1½			
246.0	247.0		79507			61.1			1½			
				#324	.08	25.6	25.0		5½	.78	14420	
266.0	266.5		79508			52.0			1½			
266.5	267.0	prox 326	79509			38.2			2			
267.0	267.5		79510			18.3			7			
267.5	268.0		79511			45.1			3½			
268.0	268.5		79512			46.2			4			
268.5	269.0		79513			28.8			5½			
269.0	269.5		79514			6.4			7½			
269.5	270.0	325 prox	79515			6.6			8			
270.0	270.5		79516			7.6			7½			
270.5	271.0		79517			8.9			7½			
271.0	271.5	Prox 327	79518			27.2			7			
271.5	272.0		79519			31.4			7			
272.0	272.5		79520			43.0			4			
272.5	273.0		79521			14.9			7			
273.0	273.5		79522			18.0			7			
273.5	274.0		79523			77.2			½			
				#325	0.7	24.4	23.9		6½	.55	13021.0	
				#326	.07	29.7	22.3		4½	.44		
				#327	.09	19.8	24.9		7	.50		
278.5	279.0		79524			76.8			½			
279.0	279.5		79525			77.0			1			

AREA- Eagle Stake 6

PAGE NO. 3 of ____

HOLE NO. RH- 1988

Fordine COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
282·0	282·5		79526			44.1			3½			
297·0	297·5		79527			78.5			0			
				*325	07	24.4	23.1		6½	64	/21	
300·0	300·5	328 prox.	79528			23.0			6½			
300·5	301·0		79529			68.5			1			
301·0	301·5		79530			83.6			0			
301·5	302·0		79531			85.2			0			
302·0	302·5		79532			83.0			0			
302·5	303·0		79533			49.8			4			
303·0	303·5		79534			16.2			7½			
303·5	304·0		79535			8.2			7½			
304·0	304·5		79536			15.1			8			
304·5	305·0		79537			6.7			8			
305·0	305·5		79538			28.0			5½			
306·5	306·0		79539			12.2			7			
306·0	306·5	329 prox.	79540			10.7			6			
306·5	307·0		79541			11.0			7½			
307·0	307·5		79542			8.8			7½			
307·5	308·0		79543			10.8			7			
308·0	308·5		79544			21.9			7½			
				*329	08	13.1	26.6		7	64	8537/7350	120
311·0	311·5		79545			66.8			1			

AREA - Eagle Stage 6

HOLE NO. RH-____

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
318.0	318.5		79546			81.1			0			
318.5	319.0		79547			59.5			1			
319.0	319.5		79548			66.0			1			
347.5	348.0		79549			69.0			1			
348.0	348.5		79550			70.4			1			
348.5	349.0		79551			8.6			7½			
349.0	349.5		79552			11.9			7			
349.5	350.0		79553			15.1			6			
350.0	350.5	330 Prox	79554			15.3			3			
350.5	351.0		79555			34.3			5			
351.0	351.5		79556			36.5			6			
351.5	352.0		79557			35.6			6½			
352.0	352.5		79558			68.8			1			
				#330	.07	23.4	23.0		6½	.53	111	
356.5	357.0		79559			32.7			4½			
357.0	357.5		79560			37.7			5			
357.5	358.0		79561			43.6			5			
358.0	358.5		79562			17.5			6½			
358.5	359.0	Prox 332	79563			13.9			5½			
359.0	359.5		79564			9.9			8			
359.5	360.0	Prox 331 / Prox 334	79565			27.9			5½			
360.0	360.5		79566			29.1			5½			
360.5	361.0		79567			55.2			3			
361.0	361.5		79568			53.2			3½			
361.5	362.0		79569			17.1			7½			
362.0	362.5	333	79570			12.2			7½			
362.5	363.0		79571			33.7			5			
363.0	363.5		79572			58.4			1½			
				#331	.07	35.6	23.0		6½	.65	110	
				#332	.05	25.4	23.0		6	.91		
				#333	.07	22.4	24.2		7	.62		
				#334	.06	19.5	23.1		7	.65		

AREA - Eagle Stage 6 West

HOLE NO. RH-1988

AREA - Eagle Stage 6 West HOLE NO. RH-1989

TORONTO COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
				#371	0.82	40.8	22.7		6	.54	199	
129.0	129.5	371 Comp	79601			40.6			6			
129.5	130.0		79602			41.8			6			
130.0	130.5		79603			52.0			3			
130.5	131.0		79604			69.8			1			
131.0	131.5		79605			5.0			8			
131.5	132.0		79606			8.0			7½			
132.0	132.5		79607			15.0			7½			
132.5	133.0		79608			16.3			5			
133.0	133.5		79609			17.2			1			
133.5	134.0		79610			27.4			6			
134.0	134.5	Comp 372	79611			16.4			7½			
134.5	135.0		79612			25.0			6½			
135.0	135.5		79613			18.2			7½			
135.5	136.0		79614			8.5			7			
136.0	136.5		79615			9.3			7½			
136.5	137.0		79616			38.6			3			
				#372	0.85	16.6	28.8		6½	.27	150	
148.5	149.0		79617			55.6			2			
149.0	149.5		79618			73.0			½			
180.0	180.5		80929			56.0			1½			
180.5	181.0		80930			39.1			5			
181.0	181.5		79619			35.3			5			
181.5	182.0		79620			44.2			4			
182.0	182.5		79621			40.2			5			
182.5	183.0		79622			20.9			6½			
183.0	183.5	373 Comp 1	79623			17.8			7			
183.5	184.0		79624			9.5			7			
184.0	184.5		79625			16.0			7			
184.5	185.0	Comp 374	80926			10.3			7½			
185.0	185.5		80927			46.7			4			
185.5	186.0		80928			63.9			2½			
				#373	0.76	28.7	24.1		7	.55	14124	
				#374	0.79	21.2	26.2		6½	.52		
206.5	207.0		80931			53.5			3½			

AREA Eagle S... 11 PAGE NO 1 of ... HOLE NO ... RH 1989

COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
207·0	207·5	375 Coupo	80932			44.0			4			
207·5	208·0		80933			45.6			4½			
208·0	208·5		80934			59.4			2			
				#375	0.84	45.1	19.0		4	·74	140	
215·5	216·0		80935			54.0			1½			
216·0	216·5		80936			106.2			1			
216·5	217·0		80937			62.4			1			
229·0	229·5		80938			44.0			4½			
229·5	230·0	376 Coupo	80939			19.4			6½			
230·0	230·5		80940			55.1			3			
				#376	0.71	33.0	23.0		6	·54	142	
234·0	234·5	377 Orox	80941			44.5			4			
				#377	0.67	44.4	19.5		4	·78	144	
260·5	261·0		80943			45.0			1			
261·0	261·5		80944			38.6			4			
261·5	262·0		80945			46.1			5			
262·0	262·5		80946			54.2			2			
262·5	263·0		80947			38.3			4½			
263·0	263·5		80948			8.6			7½			
263·5	264·0		80949			13.6			7			
264·0	264·5		80950			19.3			6½			

378 Coupo → Over

379 Coupo → 380 Coupo → Over

AREA - Eagle Stage 6 West

PAGE NO. 2 of ___

HOLE NO. RH - 1989

COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
264·5	265·0		80951			12.6			7			
265·0	265·5		80952			28.4			7½			
265·5	266·0		80953			50.6			4			
266·0	266·5		80954			12.4			7			
266·5	267·0		80955			67.2			1½			
			80943-955	#378	0.67	31.4	22.5		6	·46	130	
			80943-905	#379	0.59	44.1	17.7		3	·40		
			80948-952	#380	0.61	17.2	26.6		7½	·40		
282·0	282·5	381 Invox	80956			24.2			6½			
282·5	283·0		80957			59.9			2½			
				#381	0.67	24.7	26.1		6½	·98		
293·5	294·0		80958			36.5			6			
294·5	295·0	382 Comp	80959			74.9			1			
295·5	296·0		80960			26.0			5			
296·0	296·5		80961			61.7			1½			
296·5	297·0		80962			77.1			1			
297·0	297·5		80963			67.7			2			
297·5	298·0		80964			18.1			7			
298·0	298·5	Comp 384	80965			6.8			7½			
298·5	299·0		80966			15.9			6½			
299·0	299·5		80967			28.4			6			
299·5	300·0		80968			45.6			5			
300·0	300·5		80969			80.2			0			
300·5	301·0		80970			85.8			0			
301·0	301·5	Comp 383	80971			37.1			4½			
301·5	302·0		80972			12.8			7			
302·0	302·5		80973			25.6			6½			
302·5	303·0	Comp 385	80974			20.6			6			
303·0	303·5		80975			20.8			7			
303·5	304·0		80700			19.6			6½			
			80958-960	#382	0.69	46.8	19.3		3½	·61	121	
			80961-975,80700	#383	0.76	33.0	21.9		5½	·50	120	
			80961-968	#384	0.77	23.9	25.1		6½	·41		
			80971-975,80700	#385	0.73	23.5	23.3		6½	·64		

AREA - Eagle Stage 6 West

PAGE NO. 3 of ____

HOLE NO. RH-1989

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
13.5	14.0	Comp 450	80001			19.2			7			
14.0	14.5		80002			18.0			6½			
				#450	0.88	18.5	26.8		7	.73	199	
31.0	31.5	Comp 451	80003			21.6			5½			
31.5	32.0		80004			39.2			6			
				#451	0.71	30.9	27.9		6	.56	142	
33.0	33.5	Comp 452	80005			29.0			5½			
33.5	34.0		80006			50.3			2¼			
34.0	34.5		80007			13.8			3			
				#452	0.92	31.6	22.1		3½	.67	142	
49.5	50.0	453 Comp	80008			14.4			1			
				#453	1.01	14.5	24.2		1	.87	144	
63.5	64.0	Comp 454	80009			11.1			6½			
64.0	64.5		80010			12.9			7			
64.5	65.0		80011			12.2			6½			
65.0	65.5		80012			9.8			7			
65.5	66.0		80013			31.5			6			
66.0	66.5		80014			12.6			6½			
66.5	67.0		80015			27.7			6½			
				#454	0.87	17.4	26.1		7	.68	130	
68.0	68.5	455 Comp	80016			10.3			7			
68.5	69.0		80017			37.3			6½			
				#455	0.82	24.3	24.2		7	.48	134	
72.0	72.5	Comp 456	80018			11.1			7½			
72.5	73.0		80019			24.8			6½			
73.0	73.5		80020			45.3			5½			
				#456	0.71	27.9	24.5		7	.70	134	

AREA - Eagle Stage 6 West

PAGE NO. 1 of ____

HOLE NO. RH - 1990

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
92.0	92.5	457	80021			28.4			5½			
92.5	93.0	Coupe	80022			12.5			6½			
93.0	93.5		80023			74.6			½			
				#457	0.71	19.0	25.3		6½	.75	171	
95.0	95.5		80024			8.7			6½			
95.5	96.0		80025			6.8			7			
96.0	96.5		80026			3.9			7			
96.5	97.0		36			42.0			3½			
97.0	97.5	Coupe 458	37			19.5			6			
97.5	98.0		38			16.1			6			
98.0	98.5		39			9.9			7			
98.5	99.0		40			7.4			6½			
99.0	99.5		41			5.8			7			
99.5	100.0		42			3.5			7½			
100.0	100.5		43			53.4			3½			
100.5	101.0		80049			48.2			2			
				#458	0.79	12.6	26.0		7	.61	120	
127.0	127.5		80045			6.3			7½			
127.5	128.0		46			18.0			6½			
128.0	128.5	Coupe 459	47			12.9			6½			
128.5	129.0		48			25.2			6			
129.0	129.5		49			41.3			2			
129.5	130.0		80050			33.9			5			
				#459	0.66	23.4	22.8		6	.57	111	

AREA - Eagle Stage 6 West

PAGE NO. 2 of ____

HOLE NO. RH - 1990

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
130.0	130.5		80051			43.3			4½			
140.0	140.5	Comp 460	80052			34.0			6½			
140.5	141.0		80053			31.9			5½			
141.0	141.5		80054			22.9			6			
141.5	142.0		80055			16.2			6½			
142.0	142.5		80056			37.7			5			
142.5	143.0		80057			38.9			5			
143.0	143.5		80058			58.9			1½			
143.5	144.0		80059			60.1			1			
144.0	144.5		80060			71.4			1			
144.5	145.0		80061			30.8			6			
145.0	145.5	Comp 461	80062			28.8			6½			
145.5	146.0		80063			47.3			3½			
146.0	146.5		80064			42.8			3			
146.5	147.0		80065			67.6			1			
				#460	0.71	30.9	20.3		6	.66	11C	
				#461	0.72	37.9	20.2		5	2.75	110	
172.0	172.5		80066			70.0			1			
172.5	173.0		80067			79.2			½			

AREA - Eagle Stage 6 West

HOLE NO. RH - 1990

Eagle Stage 6 West Hole # 1991 July 28/88

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
33.5	34.0	Do not put in Geores (Not Representative) 141	80068			31.1			6			
34.0	34.5		80069			33.0			6½			
34.5	35.0		80070			4.0			7			
35.0	35.5	Compo 504	80071			11.2			7½			
35.5	36.0		80072			4.6			7½			
				#504	0.9	16.8	29.5		6½	.61	99	
57.0	57.5		80073			46.2			4			
57.5	58.0		80074			82.6			0			
58.0	58.5	140	80075			11.7			6½			
58.5	59.0		78901			7.5			8			
59.0	59.5	Compo 505	78902			29.8			6			
59.5	60.0		78903			7.7			7½			
60.0	60.5		78904			55.5			2½			
				#505	0.8	14.8	28.7		7	.81	110	
79.0	79.5	142 - Do not enter Prox	78905			15.2			7½			
79.5	80.0	In Geores 506 (Not Representative)	78906			51.4			4			
				#506	0.8	15.2	30.9		7½	.75	100	
86.5	87.0		78907			32.1			4½			
87.0	87.5	Compo 507	78908			29.1			4			
				#507	0.7	29.8	23.6		4	.79	144	
				#508	0.8	27.1	24.2		6½	.55	130	
124.0	124.5		78909			34.1			3½			
124.5	125.0		78910			27.6			6½			
125.0	125.5		78911			17.4			6½			
125.5	126.0		78912			11.7			7½			
126.0	126.5		78913			8.7			7½			
126.5	127.0		78914			62.6			1½			
127.0	127.5	combo 508	78915			5.9			7½			
127.5	128.0		78916			42.1			5			
128.0	128.5		78917			17.5			7½			
128.5	129.0		78918			12.6			7½			
129.0	129.5		78919			27.2			7½			
129.5	130.0		78920			60.2			2			
130.0	130.5		78921			28.4			5½			

AREA - Eagle Stage 6 West

HOLE NO. RH- 1991

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER · OPERATION

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
134·0	134·5		78922			61.5			2			
152·5	153·0		78923			20.0			6½			
153·0	153·5		78924			62.9			3			
153·5	154·0		78925			37.0			6			
		Compo #511										
154·0	154·5		80476			15.9			6½			
154·5	155·0		80477			37.8			5			
155·0	155·5	Compo 509	80478			30.6			5½			
155·5	156·0		80479			55.4			2			
156·0	156·5		80480			43.8			4			
156·5	157·0		80481			32.6			5			
157·0	157·5		80482			15.2			6½			
157·5	158·0		80483			10.5			7			
158·0	158·5		80484			9.8			7½			
158·5	159·0		80485			9.0			7			
159·0	159·5		80486			9.1			7			
159·5	160·0	Compo 510	80487			7.0			6½			
160·0	160·5		80488			7.4			8			
				#509	0.7	25.7	23.3		6	·60		
				#510	0.7	12.8	26.1		7	·44		
				#511	0.6	34.1	20.3		5½	·36		

AREA - Eagle Stage 6 West

PAGE NO. 2 of 2

HOLE NO. RH-1991

RH 2128

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
37.5	38		77535	0.5		70.3			1			
39.5	40	prox	77536	1		15.6			7	R mod		
40	40.5		37			24.0			7½			
40.5	41		38			16.6			7½			
41	41.5		77			13.6			7½			
41.5	42		40			69.6			1		Pet #44	1.03
42	42.5		41			66.3			1			
42.5	43		42			50.2			3½			
43	43.5		43			46.5			4½			
43.5	44		44			68.1			1			
		Comp #47			.8	17.0	26.3	55.9	7	.72		
75	75.5		77545			60.6			1			
75.5	76		46			54.1			3½			
76	76.5		47			30.2			6½			
76.5	77		48			29.6			6½			
77	77.5	prox	49			22.4			5½			
77.5	78		77550			21.3			6½			
78	78.5		51			11.7			7		R mod	
78.5	79		52			35.7			5½		Pet #45	1.06
79	79.5		53			73.7			0			
		Comp #48			.7	25.8	22.8	50.7	5½	.52		

AREA - Lake Nitn.

HOLE NO. RH-2128

ROTARY DRILL HOLE SAMPLING RECORD

RH # 2129

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
40	40.5	compo #145 prox <	77526			42.6			2	>	$R_{o\,max}$	#63
40.5	91.0		77527			77.5			1			
			Compo 145		0.5	42.1	16.6	40.8	1½	.48		
133.5	134.0		75601			39.2			1			
134	134.5		" 02			31.5			1½			
134.5	135		" 03			25.8			1			
135	135.5		" 04			20.8			1			
135.5	136		" 05			13.4			1			
136	136.5		" 06			19.4			1½		$R_{o\,max}$	#64
136.5	137	prox	" 07			29.0			1			
137	137.5		" 08			15.5			1			
137.5	138	compo #146	" 09			19.0			1½			
138	138.5		" 10			37.4			1			
138.5	139		" 11			34.0			1			
139	139.5		" 12			59.3			0			
139.5	140		" 13			25.5			1			
140	140.5		" 14			63.6			0			
140.5	141		" 15			76.0			0			
141	141.5		" 16			76.0			0			
		compo 146			0.5	28.4	17.1	54.0	1	.30		
149.5	150	compo #147 prox <	75617			35.5			1			
150	150.5		" 18			7.9			0			
150.5	151		" 19			22.0			0			
		compo 147			0.4	34.5	15.3	49.8	1	.40		

AREA - Fording

HOLE NO. RH-2129

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
61.0	61.5		75084	0.5		17.2			7½			
61.5	62.0		75085			28.8			6			
62.0	62.5		75086			16.9			7½			
62.5	63.0		75087			9.0			7½			
63.0	63.5		75088			4.6			7½			
63.5	64.0		75089			58.8			8			
64.0	64.5		75090			12.2			7½			
64.5	65.0		75091			8.0			7½			
65.0	65.5		75092			5.4			7½			
65.5	66.0		75093			20.8			7½			
66.0	66.5	Compo #43	75094	0.5	.16	65.8	26.7	54.3	8	.43		1.00
79.0	79.5		75095	0.5		57.6			3			
80.5	81.0	Prox	75096	0.5		29.7			5			
81.0	81.5	Compo #44	75097	0.5	.16	47.2	18.7	42.8	4½	.75		
106.0	106.5		75098	0.5		9.3			7½			
106.5	107.0		75099			11.6			6½			
107.0	107.5		75100			20.2			7½			
107.5	108.0	Prox	76612			26.6			6½			
108.0	108.5		76613			6.2			7½			
108.5	109.0		76614			12.3			7			
109.0	109.5		76615			27.4			6			
109.5	110.0	Compo #45	76616	0.5	.7	68.6	23.7	59.5	7	.42		1.09
120 (see pg 2)	120.5		76617	0.5		45.0			1½			

AREA - LAKE MTN Feb 20/88

HOLE NO. RH-2130

COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
123.0	123.5	prox	76618	0.5		29.5			4½	Ro max 0.68		
123.5	124.0		76619			20.1			½			
124.0	124.5		76620			36.6			1			
124.5	125.0		76621			29.0			½			
125.0	125.5	comp #4/6	76622	0.5	.5	31.0			1½			1.19
						29.6	20.9	49.0				

AREA - LAKE MTN Feb 20/88

PAGE NO. 2 of 2

HOLE NO. RH - 2130

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
10.5	11.0		77751	0.5		30.1			6½			
11.0	11.5		52			15.5			8			
11.5	12.0		53			3.8			7½			PET 024
12.0	12.5	compo 10 prox	54			38.7			6½			R_o
9.0	9.5		75273			14.0			7			MEN .90
9.5	10.0		75274			7.7			7			
10	10.5		75275			30.0			6½			
13.5	14.0		77753			31.7			3½			
14.0	14.5		" 56			8.1			½			
		Compo#10			1.0	20.5	27.4		6½	.64	K	
15	15.5		77757			70.1			1			
16.5	17.0		77758			72.0			1			
35.5	36		77759			69.4			1			
38	38.5	11 prox	77760			33.7			5½			
38.5	39		61			7.7			7			
39	39.5		62			66.1			1			
		Compo#11			0.9	20.6	27.5		6	.66		
51.0	51.5		77763			33.1			5			
51.5	52	12 prox	64			34.8			5½		R_o max	PET 025
52	52.5		65			22.7			7			0.91
52.5	53		66			71.8			½			
		Compo#12			1.3	30.2	23.9		6	.74		
58.5	59		77767			50.0			5			
59	59.5		" 68			64.7			1			
62.5	63		77769			26.7			7			
63	63.5	13 prox	70			43.0			4			
63.5	64		71			41.0			4			
64	64.5		72			78.9			½			
64.5	64.7		73			42.9			4½			
		Compo#13			0.8	46.0	18.4		4	.58		
65.5	66	14 prox	77774			21.8			7½			
66	66.7		75			38.1			6			
		Compo#14			0.9	29.9	24.3		7	.80		

AREA - Lake Mtn.

HOLE NO. RH-2131

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
78	78.5		77976	0.5		71.7			½			
78.5	78.7		" 77			73.7			½			
79	79.5		77978			68.0			1			
79.5	80		79			38.5			½			
80	80.5		80			81.7			0			
80.5	81		81			83.1			0			
83	83.5		77982			59.1			1			
83.5	84	Comp 15 Prox	83			32.9			6½			PET 026
84	84.5		84			24.9			6½			
84.5	85		85			23.3			6½		Ro max	1.01
85	85.5		86			39.5			4½			
85.5	86		87			5.8			7½			
6	86.5		88			39.4			6			
		Compo#15			1.1	28.1	21.9		6½	.58		
129	129.5		77989			24.7			7½			
129.5	130	16 Prox	" 90			22.1			4½			
		Compo#16			0.7	23.4	23.1		6½	.44		
131.5	132		77991			17.7			7½			
132	132.5	17 Prox.	92			64.7			1½			
		Compo#17			0.8	17.9	26.8		7½	.54		
137	137.5		77993			66.8			1			
166.5	167		77994			17.9			6½			
167	167.5		95			16.6			6½			
167.5	168		96			7.1			7			
168	168.5		97			24.6			4½			PET 027
168.5	169	18 Prox	98			9.9			7		Ro max	1.10
169	169.5		99			30.2			3½			
169.5	170		78000			10.5			6½			
170	170.5		69501			17.2			6½			
170.5	171		502			17.6			3			
171	171.5		503			13.5			5			
171.5	172		504			71.3			1			
		Compo#18			0.8	18.3	22.3		5½	.43		

AREA - Sale Mtn

HOLE NO. RH-2131

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
173	173.5		69505	0.5		63.2			1			
181	181.5	19 Prox	69506			18.5			5½			PET 028
181.5	182		07			13.2			6			
182	182.5		08			17.8			7			
182.5	183		09			22.7			3½			R o max
183	183.5		10			34.7			1			
183.5	184		11			8.3			2½			
184	184.5		12			20.7			6½			1.16
		Compo #19			0.7	19.5	20.9		5	.59		
203.5	204	20 Prox	69513			14.4			5½			
204	204.5		14			26.4			1			
204.5	205		15			26.4			1			
		Compo #20			0.7	22.0	19.2		2	.43		
209	209.5	21 Prox	69516			85.5			0			PET 029
209.5	210		17			22.2			1			
210	210.5		18			13.2			4			R o max
210.5	211		19			38.0			1			
211	211.5		20			73.9			1			1.17
		Compo #21			0.8	24.1	18.4		1½	.64		

AREA - Lake Mtn.

HOLE NO. RH-2131

Assay Certificate

Cominco Ltd., Trail, B.C.

Date Mar 3 1988

Description RH Compos (lk Mtn)	~~Lot~~ Comp		RM	Ash	VCM	FC	FSI	S								
RH 2132 (75255-256)	1		0.7	18.0	30.2	51.1	7	.72		6.5	9.5		✓			
RH 2132 (75260-263)	2		0.6	48.9	20.8	29.7	3½	.48		73 -	75		✓			
RH 2132 (75265-266)	3		0.6	37.6	23.9	37.9	5	.58		80	81		✓			
RH 2132 (75267-270)	4		0.7	19.0	25.4	54.9	6	.40		94	96		✓			
RH 2132 (75271-272)	5		0.6	15.3	26.2	57.3	7	.70		102	103.6		✓			
RH 2133 (77723-726)	6		~~0.5~~	~~22.7~~	~~22.2~~	~~54.6~~	~~6½~~	~~.72~~								
RH 2133 (77723-722)	7		0.6	33.3	19.7	46.4	5½	.69		15	216		1.14	199	205	
RH 2133 (77796-800 +74036)	8		0.4	20.0	22.6	57.0	6	.56		41	42.5		1.14	199	200	
RH 2133 (74037-044)	9		0.4	23.2	19.7	56.7	3½	.32		30 -	34		1.14	170	205?	

Serial No.

Supervisor [illegible signature]

211-9020

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / d.d.b.)	REMARKS
6.5	7.0		75251	0.5		44.8			4			
7.0	7.5		52			64.5			1			
7.5	8.0		53			66.6			1/2			
8.0	8.5		54			55.5			1			
8.5	9.0	prox #1	55			14.2			6 1/2			Ro max #19
9.0	9.5		56			20.7			7			
9.5	10.0		57			74.9			1/2			
												.93
11	11.5		75258			75.5			0			
44.5	45		75259			64.9			1			
73	73.5		75260			35.6			5 1/2			
73.5	74	prox #2	61			62.2			2			
74	74.5		62			56.2			2			
74.5	75		63			41.3			5 1/2			
79.5	80		75264			62.2			1			
80	80.5	prox #3	65			38.5			6			
80.5	81		66			37.4			5			
94	94.5		75267			16.0			6 1/2			Ro max #20
94.5	95	prox #4	68			16.1			6 1/2			
95	95.5		69			12.4			5			
95.5	96		70			30.3			6 1/2			
103	103.5	prox #5	75671			15.2			7 1/2			
1035	104		" 72			63.8			1			
												1.00

AREA - Lake Mtn

PAGE NO. 1 of 1

HOLE NO. RH-2132

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
13	13.5		77783	0.5		25.8			6½			
13.5	14		84			21.4			3½			
14	14.5	Prox #6	85			32.3			5			
14.5	15		86			11.1			7½			Ro max #21
15	15.5	Prox #7	87			44.9			1½			
15.5	16		88			46.2			5			1.14
41	41.5		77789			43.6			4½			
41.5	42		90			60.7			2			
42	42.5		91			71.3			1			
42.5	43		92			82.0			0			
43	43.5		93			74.9			1½			
43.5	44		94			59.6			1½			
44	44.5		95			64.8			1			
44.5	45		96			29.8			6			
45	45.5		97			17.1			6½			
45.5	46	P.A #8	98			16.0			6½			Ro max #22
46	46.5		99			13.9			7			
46.5	47		77800			30.7			2			
47	47.5		74026			9.8			7½			1.19
75	75.5		74027			17.7			6			
75.5	76		28			11.4			4			
76	76.5		29			9.7			6½			
76.5	77		30			18.7			3			
77	77.5		31			29.7			2½			
77.5	78		32			20.5			1			
78	78.5		33			19.7			6½			
78.5	79		34			24.9			6½			
79	79.5		35			15.3			5			
79.5	80		36			34.9			5			
80	80.5	Prox #9	37			31.0			1			Ro max #23
80.5	81		38			27.8			2			
81.0	81.5		39			20.3			2			
81.5	82		40			44.9			1			
82	82.5		41			54.9			1½			1.24
82.5	83		42			19.8			2			
83	83.5		43			16.1			5			

AREA - Lake Min. over

HOLE NO. RH-2133

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
83.5	84		74044	0.5		23.2			7			
84	84.5		45			58.0			2½			
84.5	85		46			72.7			½			
85	85.5		47			79.4			½			
85.5	86		48			81.5			0			
86	86.5		49			86.2			0			
86.5	87		50			80.8						

AREA - Lake Mtn.

PAGE NO. 2 of 2

HOLE NO. RH- 2133

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
36.5	37		75481	0.5		10.1			7			
37	37.5		82			24.1			6½			
37.5	38		83			10.1			7½			
38	38.5	Pmax #3	84			10.9			7			
38.5	39	Omax	85			10.1			7			
39	39.5		86			6.4			7		R_o max	1.02
39.5	40	#3	87			6.8			7			
40	40.5		88			6.8			½		Ref #37	
40.5	41		89			9.7			½			
41	41.5		90			7.7			0			
		Compo #36			.9	12.2	26.9	60.0	6½	.55		
		Compo #37			1.0	24.6	23.7	50.7	6½	.53		
46.5	47		75491	0.5		19.2			7			
47	47.5		92			23.9			6½			
47.5	48		93			20.7			7½			
48	48.5		94			31.8			6½			
48.5	49		95			58.3			2½			
49	49.5		96			39.1			2½			
49.5	50		97			44.8			3½			
		Compo #38			.8	34.6	22.5	42.1	5	.97		
56	56.5		75498	0.5		15.4			7			
56.5	57		99			32.2			5½			
57	57.5		75500	1		42.2			3			
57.5	58		77826			34.6			5½			
58	58.5	Pmax	27			29.5			6		R_o max	
58.5	59		28			10.7			7½			
59	59.5		29			13.2			7½		Ref #38	
59.5	60		30			20.8			7			
60	60.5		31			26.3			7			
		Compo #39			1.0	24.9	22.4	52.9	6½	.62		1.12
92	92.5		77832	0.5		83.6			0			
92.5	93		33			76.6			½			
93	93.5		34			60.3			3			
93.5	94		35			89.5			0			
94	94.5		36			78.6			0			
94.5	95		37			86.4			0			

AREA - Face Mtn.

HOLE NO. RH-2134

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
101.5	102		77838	0.5		17.4			6			
102	102.5		39			21.5			6			
102.5	103		40			18.6			6½			
103	103.5		41			12.3			6½			
103.5	104	prox	42			8.6			8			
104	104.5		43			45.1			5½			
104.5	105		44			46.9			6			
105	105.5		45	↓		58.6			3			
		comp #40			.16	24.9	21.5	53.5	6½	.47		1.12
124	124.5		77846	0.5		38.6			5			
124.5	125		47			60.6			2			
125	125.5		48			43.6			5½			
125.5	126		49			8.3			5½			
126	126.5	prox	50	↓		11.6			6			
126.5	127		77776	0.5		10.4			7½			
127	127.5		77			25.4			4½			
127.5	128		78			22.8			4½			
		comp #41			.5	28.2	20.5	50.8	5	.61		1.13
132	132.5		77779			22.2			3½			
132.5	133		80			19.2			1			
133	133.5		81			29.4			3			
133.5	134		82			25.8			2			
		comp #42			.16	24.8	19.8	54.8	1½	.67		

AREA - Lake Mtn.

HOLE NO. RH-2134

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
12.0	12.5	prox	76026	0.5		25.4			7			
12.5	13.0		27			23.6			7			
13.0	13.5		28			24.1			7			
13.5	14.0		29			7.2			7½		$R_{o\,max}$	11.5
14.0	14.5		30			7.4			7½			
14.5	15.0		31			9.4			7½			
15.0	15.5		76032	0.5		18.9			7			
		compo #49			.7	16.16	23.4	59.3	7	.101	Pet #46	
18.5	19.0		76033	0.5		75.3			0			
25.0	25.5	prox	76034	0.5		58.9			1			
25.5	26.0		035			17.5			7½			
26.0	26.5		036			60.4			1½			
26.5	27.0		037			36.0			6½		$R_{o\,max}$	
27.0	27.5		038			7.6			7			
27.5	28.0		039			7.3			6½			
28	28.5		040			9.8			7½			
28.5	29.0		041			11.4			7½			1.18
29.0	29.5		042			17.9			1½		Pet #47	
29.5	30.0		76043	0.5		9.4			7			
		compo #50			.5	19.6	21.7	58.8	7	.64		
40.0	40.5	prox	76044	0.5		31.5			1			
40.5	41.0		045			12.5			6½			
41.0	41.5		046			28.2			1½			
41.5	42.0		047			32.0					$R_{o\,max}$	
42.0	42.5		048			17.8			6½			
42.5	43.0		049			15.4			2½		Pet #48	
43.0	43.5		76050	0.5		29.5			2			
		compo #51			.5	23.5	19.8	56.2	2½	.70		1.20

AREA - LAKE MTN.

HOLE NO. RH- 2135

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / d.d.b.)	REMARKS
45.0	45.5		75076	0.5		39.4			3			
45.5	46.0		077			34.7			4½			
46.0	46.5		078			23.6			4			
46.5	47.0	prox	079			15.3			7			
47.0	47.5		080			19.2			4			
47.5	48.0		081			20.6			5½			
48.0	48.5		082	0.5		36.1			3			
		Comp #52			.10	27.1	20.4	51.9	4½	.44		
70.5	71.0		75083	0.5		54.0			1			

Romaco Pit #4/9

1-21

APFA - LAKE MTN - Feb 1988

HOLE NO. RH-2135

* Actually 2136

ROTARY DRILL HOLE SAMPLING RECORD

FORDING COAL LIMITED

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
16	16.5		75201	0.5		21.5			7½			
16.5	17		02			8.0			7			
17	17.5	"I"	75203			26.3			7½			
17.5	18		04			24.3			7			
18	18.5		05			6.4			7			
18.5	19		06			3.4			7½			
19	19.5		07			8.7			7½			
19.5	20		08			7.2			8			
20	20.5	prox	09			3.6			7½			Ro
20.5	21		10			40.9			5½			
21	21.5		11			79.4			0			Ro max
21.5	22		12			16.0			7½			Ref # 33
22	22.5		13			7.0			7½			
22.5	23		14			6.1			7½			
23	23.5		15			7.7			7½			
23.5	24		16			60.2			1½			1.00
24	24.5		17			34.1			6			
24.5	25		18			64.8			1			
		compo # 31			.9	20.8	25.4	52.9	6½	.56		
27	27.5		75219			63.3			1			
30	30.5		75220			56.6			3½			
31	31.5		75221			33.2			6½			1.00
31.5	32		752 22			10.7			7½			
32	32.5	prox	23			9.5			7½			
32.5	33		24			8.5			8			
33	33.5		25			22.6			7½			
33.5	34		77926			34.3			6½			Ro
34	34.5		77927			25.3			7			Ref # 34 max
34.5	34.7		28	0.2		65.2			1			
		compo # 32			.8	25.1	24.6	49.5	7	.76		
81.5	82		77929			25.5			7½			
82	82.5		30			36.2			5			
82.5	83		31			8.6			8			Ro max
83	83.5	prox	32			23.0			7			
83.5	84		33			41.2			4½			Ref # 35 0.98
84	84.5		34			14.0			7½			
84.5	85		35			12.0			7½			
85	85.5	compo # 33	36			10.1			7½			

AREA - Lake Mtn

PAGE NO. 1 of ____

HOLE NO. RH - 2136

FORDING COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
93	93.5		77937	0.5		53.9			3½			
		Compo#33			.7	21.8	26.5	51.0	7½	.57		
113.5	116	Prox	77938			11.9			7			
116	116.5		39			26.3			7			
		Compo#34			.7	18.8	23.6	56.7	7½	.55		
117	117.5		77940			69.9			1			
129.5	130		77941			29.8			6½			
130.5	131	Prox	942			30.1			6		Ro max	
131	131.5		943			27.2			3		Pet #36	
131.5	132		944			55.6			1			
		Compo#35			.6	28.7	21.0	49.7	6	.60		
												1.13

AREA - Lake Mtn

PAGE NO. 2 of 2

HOLE NO. RH-2036

ROTARY DRILL HOLE SAMPLING RECORD

FORDING COAL LIMITED — FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
18	18.5		75276	0.5		36			7			
18.5	19		77			13.9			7½			
19	19.5		78			4.9			7½			
19.5	20		79			8.7			6½			
20	20.5		80			7.8			7½			
20.5	21		81			44.2			4½			
21	21.5		82			17.9			7½			
21.5	22	prox	83			5.4			7½			
22	22.5		84			5.4			7½			
22.5	23		85			4.4			7½			
23	23.5		86			9.8			7½			
23.5	24		87			29.8			7			
24	24.5		88			57.6			2			
		comp #53			.7	12.6	27.2	59.5	7	.58		1.00
36.5	37		75284			8.4			7½			
37	37.5		90			8.6			7½			
37.5	38	prox	91			5.0			7½			
38	38.5		92			11.5			7½			
38.5	39		93			3.2			7½			
39	39.5		94			64.9	30.0		2			
		comp #54			.8	7.2	20.5	71.5	7½	1.04	✓ request	
40.5	41		75295			29.4			6½			
41	41.5	prox	96			50.0			4			
		comp #55			.8	39.1	21.7	38.4	4	1.00		
92.5	93		75297			31.0			6½			
93	93.5		98			17.7			7			
93.5	94	prox	99			8.4			7½			
94	94.5		75300			35.8			5½			
94.5	95	#56	75051			17.4			7½			
			052			5.6			2½			
97	97.5		75053			5.9			7			
		comp #56			.6	22.6	25.9	50.9	7	.51		1.00
102.5	103		75054			60.0			1			
105	105.5		75055			41.8			5			
125	125.5	prox	75056			19.8			7½			

AREA - Lake Mtn

over

PAGE NO. 1 of 2

HOLE NO. RH - 2137

ROTARY DRILL HOLE SAMPLING RECORD

FORDING COAL LIMITED

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
126	126.5		75057	0.5		22.7			4½			
126.5	127		58			73.8			½			
		Comp# 57			.6	20.8	24.1	55.1	6	.48		
133	133.5		75059			33.0			5½			
133.5	134		75060			15.9			6½			
134	134.5	flyash	61			19.6			6½			
134.5	135		62			14.4			5½			
135	135.5		63			24.3			6½			
		Comp# 58			.6	22.2	22.0	55.2	6	.58		

AREA - Lake Mtn

PAGE NO. 2 of 2

HOLE NO. RH- 2137

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
8.5	9.0		77801	0.5		44.8			3			
9.0	9.5	prox	02			41.6			3½			
9.5	10.0		03			13.0			2			
10	10.5		04			35.4			5			
		compo #22			.8	33.6	24.3	41.3	2½	.49	Romax Pet #30	0.84
25	25.5		77805			6.8			1			
25.5	26		06			62.8			1			
26	26.5		07			49.0			2			
47	47.5		77808			60.0			1			
47.5	48		09			57.4			1			
48	48.5		10			62.2			1			
56.5	57		77811			44.1			4½			
57	57.5		12			65.2			1			
57.5	58		13			70.6			1			
81	81.5		77814			29.2			4½			
81.5	82		15			21.6			6½			
82	82.5		16			17.0			5			
82.5	83		17			8.1			7			
83	83.5		18			6.2			7			
83.5	84	I prox	19			7.6			5½		Ro WCL	
84	84.5		20			9.5			6			
84.5	85		21			38.4			5			
85	85.5		22			67.6			½		Pet #31	
85.5	86		23			14.6			7			0.99
86	86.5		24			23.2			7			
86.5	87		25			15.4			6½			
87	87.5		77480			38.1			6			
		compo #23	~~77482~~		.9	22.5	25.3	51.3	5½	.78		
117	117.5		74481			13.0			7			
117.5	118	prox compo #24	82		.7	13.9 12.9	27.0	59.4	7½ 7½	.62		

AREA - Lake Mtn

HOLE NO. RH-2138

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
122	122.5		74483			58.9			1			
122.5	123	prox	84			10.4			7½			
123	123.5		85			12.6			7			
123.5	124		86			8.7			7½			
124	124.5		87			43.7			5			
		compo #25			.7	18.2	25.1	56.0	7	.62		
173	173.5		74488			19.9			7½			
173.5	174		89			39.1			4½			
174	174.5		90			38.0			7			
174.5	175		91			20.6			7			
175	175.5	prox	92			13.6			7			
175.5	176		93			5.4			7½			
176	176.5		94			3.0			7½	#914 sample		R_{max}
176.5	177											Pit #32
177	177.5	compo #26			.7	18.3	26.7	54.3	7½	.50		1.01
179.5	180	compo #27 prox	74495			20.3			7½			
180	180.5				.7	20.4	26.5	52.4	7½	.67		
180.5	181	compo #28 prox	74496			4.4			5			
182.5	183	compo #29 prox	74497		.7	17.6	19.0	33.3	4	.32		
184.3	184.8	prox	74498		.7	16.2	25.4	57.7	7	.68		
184.8	185.3		99			9.3			6½			
		compo #30			.10	40.0	21.7	46.4	6½	.60		

AREA - PAGE NO. 2 of 2 HOLE NO. RH-

RH # 2139

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
14	14.5		75627			21.8			2	} Ro max Pet # 60		
14.5	15		29			6.0			7			
15	15.5	compo # 141 prox	29			9.6			7½			
15.5	16		30			42.0			5			
			Compo 141		0.5	21.9	27.5	50.1	6	.75		
												.90
16.5	17	compo # 142 prox	756 31			47.6			3			
			compo 142		0.71	48.2	21.0	30.1	3	.59		
17.5	18		75632			41.0			5	}	Ro max	
18	18.5	compo # 143 prox	" 33			16.4			7			
18.5	19		" 34			12.5			7½			
			compo 143		0.6	23.8	28.3	47.3	7	.62	# 61	
												.92
49	49.5		75635			13.8			7	}		
49.5	50		" 36			33.9			5½			
50	50.5		" 37			17.0			7		Ro max	
50.5	51	compo # 144 prox	" 38			37.1			4			
51	51.5		" 39			56.8			1			
51.5	52		" 40			7.8			7		# 62	
52.0	52.5	Note *	75642			11.0			7½			
			compo 144		0.6	25.2	27.0	47.2	6	.51		.93
54.3	55											
~~55~~	~~55.5~~	~~2 [illegible] marked 52.5–52.5~~	75641			52.0			3			
			75642			11.0			7½			

AREA -

PAGE NO. 1 of 1

HOLE NO. RH- 2139

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
7.5	8.0		77945			73.0			1			
8.0	8.5		946			78.1			0			
16.0	16.5		77947			63.9			1			
19.0	19.5		77948			76.5			½			
25.0	25.5	prox	77949			25.5			6½			
25.5	26.0		950			33.7			6½			
26.0	26.5		77626			49.5			3½			
26.5	27.0		627			60.4			1			
		compo #90			0.5	35.7	23.2		6	.70		
35.0	35.5		77628			63.4			1			
35.5	36.0		629			75.4			½			
36.0	36.5		630			62.5			1			
36.5	37.0		631			46.9			3			
37.0	37.5		632			12.4			6½			
37.5	38.0		633			8.9			6½			
38.0	38.5		634			9.9			7½			
38.5	39.0	prox	635			23.3			7			
39.0	39.5		636			45.7			4½			
39.5	40.0		637			20.7			7			
40.0	40.5		77638			45.4			5			
		compo #91			0.6	27.0	25.1		6	.58		
64.0	64.5	prox	77639			43.5			6			
64.5	65.0		640			65.2			1			
		compo #92			0.6	43.5	22.2		6	.90		

per 054

0.96

AREA - LAKE MTN.

PAGE NO. 1 of

HOLE NO. RH- 2140

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
		Compo #93			0.6	29.4	22.9		5½	.38		
77.0	77.5		77641			38.3			5½			
77.5	78.0		642			29.6			5			
78.0	78.5		643			11.7			7			
78.5	79.0		644			22.2			6½			
79.0	79.5		645			24.8			5			
79.5	80.0		646			27.8			1			Pet 55=
80.0	80.5	prox #94 / prox #93	647			19.1			7			
80.5	81.0		648			76.3			0			
81.0	81.5		649			31.2			6½			
81.5	82.0		650			10.6			7½			
82.0	82.5		77601			41.2			6½			
82.5	83.0		602			57.8			2½			
83.0	83.5		603			47.2			4			
83.5	84.0		604			60.0			1			
		Compo #94			0.6	34.3	21.5		5½	.40		
			77605			68.9			1			
85.5	86.0											
110	110.5		77606			33.1			6½			
110.5	111.0		607			23.4			6½			
111.0	111.5	prox	608			24.2			6			
111.5	112.0		609			34.7			6			
		Compo #95			0.5	28.9	22.9		6	.60		
116.5	117.0	prox	77610			32.3			6½			
		Compo #96			0.5	32.0	22.8		6½	.68		
138.5	139.0		77611			28.8			7			
139.0	139.5	prox	612			16.0			7			
139.5	140.0		613			15.7			7½			
140.0	140.5		614			33.3			6½			
140.5	141.0		615			64.6			1½			
		Compo #97			0.6	23.3	24.5		7	.51		
146												

AREA -

PAGE NO. 2 of ____

HOLE NO. RH-214C

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	RM.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
146.0	146.5		77616			66.4			1			Feb 25/88
146.5	147.0	prox	617			49.3			3			
147.0	147.5	prox	618			52.9			2½			
147.5	148.0	prox	619			51.2			3			
148.0	148.5	prox	77620			62.5			1			
		Composite			0.5	51.6	17.1		3	.42		

AREA - _____ PAGE NO. 3 of ____ HOLE NO. RH- 214C

* Tags in sample bags are marked 2143

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
33.5	34	Comp 441	80901	0.5		15.7			6			
34	34.5		02			35.4			4			
			#441		1.0	24.8	26.46		5	.60	~~154~~ 155	
45.5	46	Comp 442	80903			10.4			7			
46	46.5		04			28.7			6½			
46.5	47		05			35.4			5½			
			#442		0.89	25.0	26.80		6½	1.03		0.85
61	61.5	Comp 443	80906			17.9			7			
61.5	62		07			30.8			5½			
			#443		0.79	24.2	27.79		6½	1.22	~~152~~ 155	
83.5	84	Comp 444	80909			37.1			4½			
84	84.5		09			14.1			6½			
84.5	85		10			15.8			7½			
85	85.5		11			45.1			1			
85.5	86		12			21.2			6			
86	86.5		13			18.3			6			
86.5	87		14			53.2			2			
87	87.5		80915			47.3			1			0.94
			#444		0.93	26.0	23.91		5½	.47		
88.5	89	445 prox	80916			17.1			7			
			#445		0.77	17.0	30.95		7	.46		
89.5	90	Comp 446	80917			14.6			7			
90	90.5		18			12.8			7½			
90.5	91		19			61.6			1			
91	91.5		20			55.9			1			
91.5	92		80921			55.4			1½			
			#446		0.78	13.8	29.36		7½	.59		

AREA - _____

HOLE NO. RH-2142

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
111	111.5		80122	0.5		38.7			4½		55	156
111.5	112		23			16.3			7			
112	112.5	Comp 447	24			13.6			7½			Ro
112.5	113		25			12.5			6½			
113	113.5		80776			21.4			7			max
113.5	114		77			53.1			3			
114	114.5		78			54.0			1			1.00
114.5	115		79			48.7			2½			
			#447		0.87	21.2	24.93		6½	.55		
											54	157
140.5	141		80780			41.2			4½			
141	141.5		81			15.8			7½			Ro max 0.94
141.5	142		82			49.4			3½			
142	142.5	Comps 448	83			30.5			5			
142.5	143		84			18.6			6½			← 80785
143	143.5		86			15.8			6½			not used
143.5	144		87			36.6			5			
			#448		0.70	30.2	22.9		6	.45		
144.5	145		80788			62.9			2			
145	145.5		89			56.0			1½			
145.5	146		90			61.4			2½			
147	147.5	prox 449	80791			56.5			3½			
			#449		0.72	56.4	16.92		3½	.33		

AREA -

PAGE NO. 2 of 2 HOLE NO. RH-2142

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
30.5	31	462 prox	80751	65		30.6			5½			
			#462		0.92	30.8	26.3		5½	.92	158	
33	33.5	463 Comp	80752			24.6			6½		3 Rd	
33.5	34		53			19.6			7			
34	34.5		54			59.4			1½			
			#463		0.81	21.9	27.4		6½	.86		0.87
62	62.5		80755			27.9			5½			
62.5	63		56			57.1			2			
81.5	90		80757			5.5			7		150	
90	90.5		58			17.6			6½			
90.5	91		59			18.6			6½			
91	91.5	464 Comp	60			9.4			6½			
91.5	92	465 Comp	61			13.3			6½			
92	92.5		62			31.8			4½			
92.5	93		63			11.0			7½			
93	93.5		64			7.76			½			
93.5	94		65			4.30			4			
94	94.5		66			10.1			6½			0.95
94.5	95		67			3.74			5			
95	95.5		68			4.85			3½			
[illegible]			#464		0.79	27.6	23.04		6	.52		
[illegible]			#465		0.86	15.9	26.14		6	.53		
112.5	113		80769			6.49			13			
113	113.5		70			16.1			7			
113.5	114		71			9.5			6½		57	160
114	114.5	466 Comp	72			11.1			7			
114.5	115	467 Comp	73			7.8			7½		Rd	
115	115.5		74			18.3			6½			
115.5	116		75			4.91			3½			
116	116.5		74651			31.1			5			0.98
116.5	117		52			4.35			4½			
			#466		0.69	21.4	23.15		6	.69		
			#467	V	0.78	12.8	25.55		7	69		

AREA - _____

PAGE NO. 1 of 2

HOLE NO. RH- 2143

Fordings COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
140	140.5		79653	0.5		25.7			6½		5B 161	
140.5	141		54			15.4			7			
141	141.5	468	55			47.5			2½		R	
141.5	142	Comp	56			15.5			6½			
142	142.5		57			33.9			4			
142.5	143		58			21.2			7½			0.96
143	143.5		59			31.0			6			
143.5	144		60	✓		72.1			1			
				#468	0.68	27.7	23.69		6	.45		
143	145.5		79661	5		49.2			4			
145.5	146		62	5		76.8			0			

AREA - _____ PAGE NO. 2 of 2 HOLE NO. RH- _____

Fordings COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
17	17.5		80851	0.5		47.4			3½			
17.5	18		52			52.6			1			
18	18.5		53			25.7			5			
18.5	19		54			32.7			4½			
19	19.5	544	55			29.7			6½		162	
19.5	20		56			16.5			7		159	
20	20.5	Comp	57			19.5			7½		Rough	
20.5	21		58			5.4			8			
21	21.5		59			24.7			7½			1.06
21.5	22		60			70.9			0			
22	22.5		61			28.1			4			
22.5	23		62			69.6			½			
23	23.5		63			85.2			0			
23.5	24		64			87.6			0			
			#544		0.5	27.8	21.3		5	.56		
											163	
43	43.5		80865			41.5			3½		160	
43.5	44	545	66			18.1			7½		Rough	1.11
44	44.5	Comp	67			21.0			5½			
44.5	45		68			23.0			6			
45	45.5		69			7.7			7½			
45.5	46		70			26.2			8			
46	46.5		71			71.9			1			
46.5	47		72			71.2			1			
			#545		06	22.4	21.8		6	.65		
71.5	72		#5473			47.9			3			
72	72.5		74			66.4			1			
72.5	73		75			63.5			2			
73	73.5		76			73.0			1			1.10
73.5	74		77			19.8			7½		@ 164	
74	74.5	546	78			11.4			6½		Rough	
74.5	75	Comp	79			14.1			7			
75	75.5		80			21.7			5			80881
75.5	76		81			20.0			3½			is miss #9
76	76.5		82			44.8			4½			
			#546		0.7	27.3	20.3		6	.55		

AREA - _____

PAGE NO. 1 of 3

HOLE NO. RH- RH #2145

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
82.5	83		EC834	0.5		20.8			2½			
83	83.5		35			32.7			1½			
83.5	84		36			19.7			2			
84	84.5		37			14.1			1½			
84.5	85		38			17.2			1½			
85	85.5		39			26.0			2			
85.5	86		40			25.4			2			
86.5	86.5		41			44.0			½			
		#547			0.5	24.8	22.2		1½	.49		
89.5	90		EC891			22.4			3½			
90	90.5		92			41.6			4			165
90.5	91		93			14.5			6			
91	91.5		94			35.4			3			
91.5	92		95			17.5			6½			
92	92.5		96			30.7			5½			
		#548	97		0.8	27.0	19.6		4½	.41		
95.5	96		EC898			64.4			½			
97.5	100		EC899			33.8			3			
100	102.5		EC900			66.6			½			
102.5	103		EC826			87.6			0			
112.5	113		EC827			53.0			1			

AREA - _____

PAGE NO. 2 of 3

HOLE NO. RH - 2145

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
151.5	152		80828	0.5m		23.9			1½			
152	152.5		29			34.4			1			
152.5	153		30			23.9			1½	oily		
153	153.5		31			26.6			1			
153.5	154		32			18.6			1½			
154	154.5		33			13.6			1½			
154.5	155	549	34			20.8			1		12[illegible]	
155	155.5	comp	35			12.5			1			
155.5	156		36			16.1			1			
156	156.5		37			18.6			1½		max	1025
156.5	157		38			22.8			1			
157	157.5		39			35.4			½			
157.5	158		40			13.4			1			
158	158.5		41			10.9			1			
158.5	159		42			52.8			½			
159	159.5		43	↓		77.3			0			
				#549	0.5	22.2	18.2		1	.38		

AREA - _____

PAGE NO. 3 of 3

HOLE NO. RH- 2145

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
17	17.2		78551	0.5		64.5			½			
17.5	18		52	↓		74.0			1			
18	18.5		53			74.3			1			
18.5	19		54			73.8			1			
19	19.5		55			68.8			1			
19.5	20		56			109.0			1			
29	29.5		78557	.5		47.4			3½			
29.5	30		58	.5		79.0			0			
63	63.5		78559	.5		74.5			1			
78	78.5		78560	.5		76.5			½			
78.5	79		61			80.1			0			
79	79.5		62			73.0			1			
79.5	80		63			67.4			1			
80	80.5		64			66.5			1			
80.5	81		65			70.2			½			
81	81.5		66			63.9			1			
81.5	82		67	↓		67.0			1			
86	86.5		78568	.5		73.8			½			
86.5	87		69	.5		64.2			1			
87	87.5		70	.3		58.2			1½			
87.5	88		71	.5		76.2			1			

AREA - _____

HOLE NO. RH-2146

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
100	100.5		78577	0.5		42.6			4½			
100.5	101		73			69.6			1			
101	101.5		74			36.3			4			
101.5	102		75			23.5			6½			
102	102.5	550	78576			25.0			6½	1.65	1681	
102.5	103	Comp	77			27.5			7		Rd	
103	103.5		78			37.3			6½		wash	
103.5	104		79			34.5			5½			
104	104.5		80			49.9			2½			0.91
104.5	105		81			61.5			2			
105	105.5		82			81.6			0			
				#550	0.7	30.6	23.7		6½	.63		
112	112.5	551 float <	78533	0.5		31.3			5½			
112.5	113		34			88.4			0			
113	113.5		35			88.4			0			
				#551	0.7	31.5	23.9		6	.83		
131.5	132		78536	0.5		49.5			3			
132	132.5		37			35.9			3½			
132.5	133	552	38			21.6			4½	1.66	1691	
133	133.5	float <	39			39.7			5½		wash	
133.5	134		40			76.4			1			
134	134.5		41			43.4			4½			
134.5	135		42			83.6			0			
135	135.5		43			66.1			1			0.96
				#552	0.8	43.8	18.8		3½	.37		
137	137.5		78547	0.5		65.8			1			
137.5	138		45			60.3			1			
138	138.5		46			61.2			½			
138.5	139		47			54.4			1			
139	139.5	553 float <	44			22.1			5			
139.5	140		49			60.1			1			
				#553	0.6	22.4	15.4		6	.48		

AREA - _____

PAGE NO. 2 of 2 HOLE NO. RH - 2146

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

RH 214 Lake Mountain

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / c.d.b.)	REMARKS
15.0	15.5		82026			48.8			3			
15.5	16.0		82027			32.0			6			
16.0	16.5		82028			24.7			6½			
16.5	17.0		82029			5.4			7½			
17.0	17.5	217 Compo	82030			15.6			6½		Ro max	0.90
17.5	18.0		82031			4.0			7½			
18.0	18.5		82032			15.7			7			
				Compo #217	0.98	16.0	29.4		7	0.61		
31.0	31.5		82033			76.7			½			
33.0	33.5		82034			74.6			½			
33.5	34.0		82035			7.9			7			
55.0	55.5		82036			52.0			1½			
55.5	56.0		82037			49.8			2½			
56.0	56.5		82038			44.7			3			
56.5	57.0		82039			33.8			5			
57.0	57.5	218 Compo	82040			34.3			6			
57.5	58.0		82041			49.4			2½			
58.0	58.5		82042			43.1			4			
				Compo #218	0.80	42.4	20.9		4	0.89		
61.0	61.5		82043			46.8			2½			
61.5	62.0		82044			56.9			2			
62.0	62.5		82045			52.4			2½			
64.0	64.5		82046			59.9			1			
65.0	65.5		82047			52.7			2			

AREA - Lake Mountain

HOLE NO. RH-214

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATION

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T. (Actual / C.I.)	REMARKS
66.5	67.0		82048			41.2			5			
67.0	67.5		82049			51.1			4½			
85.5	86.0		82050			25.6			4			
86.0	86.5		82051			9.7			7½			
86.5	87.0		82052			6.2			7½			
87.0	87.5		82053			9.4			7			
87.5	88.0	29	82054			10.9			7		$R_{o\,max}$	1.00
88.0	88.5		82055			24.1			5			
88.5	89.0		82056			6.9			7½			
89.0	89.5		82057			37.1			5½			
89.5	90.0		82058			24.8			6½			
				Comp #29	0.91	17.2	25.7		6½	.49		

AREA - Lake Mountain

PAGE NO. 2 of 2

HOLE NO. RH-2147

ROTARY DRILL HOLE SAMPLING RECORD — FORDING RIVER OPERATION

RH 2148 Lake Mountain

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T. (Actual / C.C.D.)	REMARKS
26.0	26.5	212 Compo	82076			42.1			4			
26.5	27.0		82077			30.3			5			
27.0	27.5		82078			58.6			1½			
				Compo #212	0.76	36.0	20.9		4½	.49		
41.5	42.0	213 Compo	82079			8.3			8			
42.0	42.5		82080			23.0			7			
42.5	43.0		82081			9.9			8			
43.0	43.5		82082			7.9			8		R_o max	
43.5	44.0		82083			42.3			5			
44.0	44.5		82084			9.8			8			
44.5	45.0		82085			8.9			8			
45.0	45.5		82086			5.0			8½		1.00	
45.0	46.0		82087			51.2			4			
				Compo #213	0.74	14.2	28.1		8	.59		
65.0	65.5	214 Compo	82088			12.5			6			
65.5	66.0		82089			10.9			2½			
66.0	66.5		82090			31.6			6			
66.5	67.0		82091			32.0			5½			
67.0	67.5		82092			7.6			6½			
67.5	68.0		82093			6.1			7½		R_o max	
68.0	68.5		82094			6.5			7½			
68.5	69.0		82095			11.2			6½		1.09	
69.0	69.5		82096			5.6			7½			
69.5	70.0		82097			57.8			2½			
				Compo #214	0.77	13.6	25.1		6½	.60		
71.5	72.0		82098			64.5			1			
73.5	74.0		82099			69.3			1			
83.5	84.0		82100			17.7			6			
84.0	84.5		82101			32.8			4½			

AREA - Lake Mountain

HOLE NO. RH-2148

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATION

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T. (Actual / E.d.D.)	REMARKS
84.5	85.0		82102			21.3			4			
85.0	85.5	215 Coal	82103			19.7			6½			
85.5	86.0		82104			38.3			7			1.13
				Comp of 215	0.72	26.2	20.7		6	0.65		
100.0	100.5		82106			55.5			3			
100.5	101.0		82107			63.5			1			
101.0	101.5		82108			14.3			7			
101.5	102.0		82109			8.4			3			
102.0	102.5	216 Coal	82110			11.2			6½			
102.5	103.0		82111			15.4			5			
103.0	103.5		82112			37.9			2½			1.17
				Comp of 216	0.68	17.8	21.0		6	0.61		

AREA - Lake Mountain

PAGE NO. 2 of 2

HOLE NO. RN-2148

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
10.5	11		78927	.5		55.0			½			
11	11.5		28	"		58.0			½			
11.5	12		29	"		12.2			2			
12	12.5	Comp #431	30	"		17.8			3			
12.5	13		31	"		19.0			3			
13	13.5		32	"		21.2			2			
				#431	0.91	17.4	19.6		2½	.42		
15.5	16	prox #432	78933	.5		30.6			½			
16	16.5		34	"		55.8			½			
16.7	17		35	"		63.0			½			
17	17.5		36	"		68.0			1			
				#432	1.42	30.9	17.6		½	.34		

Note: Most tags marked #2094. Correct Hole number is 2094

AREA - _____ PAGE NO. 1 of 1 HOLE NO. RH- 2094

2097

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
16.5	17		78626			20.9			5			
17	17.5	020210	27			23.4			5½			
17.5	18		28			12.1			9			
18	18.5	Comp 438	29			26.6			6			
18.5	19		30			72.4			1			
19	19.5		31			16.6			6½			
19.5	20		32			68.9			½			
22	22.5	020210	78633			49.7			2½			
22.5	23		34			19.6			6			
23	23.5	Comp 439	35			22.6			5½			
23.5	24		36			46.7			5			
141.5	142	170210	78637			50.4			3½		50	153
142	142.5	Comp 440	38			37.9			4		RQ	mot
142.5	143		39			46.1			3			
143	143.5		40			16.70			1			
				#438	0.54	28.6	17.83		5½	.51		163
				#439	0.45	34.0	18.36		5½	.57		
				#440	0.41	45.1	14.53		3	.34		

AREA -

PAGE NO. 1 of 1

HOLE NO. RH- 2097

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
38.5	39		78601			47.1			3			
43	43.5		78602			19.1			2½			
43.5	44	040210	03			12.4			3½			
44	44.5		04			12.7			7			
44.5	45		05			15.5			7			
45	45.5	537	06			8.0			4½			
45.5	46	Comp	07			13.5			5			
46	46.5		08			10.3			3½			
46.5	47		09			11.3			4			
47	47.5		10			17.5			1½			
47.5	48		11			42.6			1½			
				#537	0.4	16.2	19.5		3½	.31		
				#538	0.4	23.2	17.3		4	.39		
				#539	0.4	13.2	18.7		4½	.45		
56	56.5		78612			20.3			3½			
56.5	57	538	13			8.8			5½			
57	57.5	Comp 539 Comp	14			12.0			1½			
57.5	58		15			12.1			6½			
58	58.5		16			12.3			6½			
58.5	59	042210	17			48.9			2			
59	59.5		18			48.9			4			
66	66.5	540 prox	78619			28.4			6½			
69.5	70		78620	#540	0.4	28.2	18.3		6½	.55		
70	70.5		01			49.7			1			
70.5	71	541 Comp 542 Comp	22			27.2			6½			
71	71.5		23			15.1			6			
71.5	72	230210	24			14.5			6			
72	72.5		25			40.5			3			
						49.5			3½			
				#541	0.3	32.7	16.4		4	.35		
				#542	0.4	19.2	18.2		6½	.40		
75	75.5	543	78576			11.1			7½			
75.5	76	Comp	77			18.4			2½			
76	76.5	020210	78			13.5			4½			
76.5	77		79			30.1			6½			
77	77.5		80			6.98			1			
				#543	0.5	17.8	19.3		5½	.42		

AREA - _____ PAGE NO. 1 of 1 HOLE NO. RH- ZH #2098

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
29.5	30		78676	.5		53.7			1			
30	30.5		77			14.0			1½			
30.5	31		78			8.1			3			
31	31.5		79			16.7			6			
31.5	32		80			8.4			3			
32	32.5		81			7.6			6			
32.5	33		82			14.5			4			
33	33.5		83			11.8			3½			
33.5	34		84			8.7			2			
34	34.5		85			10.7			1½			
34.5	35		86			11.3			1			
35	35.5		87			13.6			1½			
35.5	36	531	88			8.4			3			
36	36.5		89			10.1			2½			
36.5	37	Comp	90			7.1			5			
37	37.5		91			27.5			5			
37.5	38		92			10.5			7			
38	38.5		93			8.1			5			
38.5	39		94			11.2			1½			
39	39.5		95			5.5			7			
39.5	40		96			9.8			2½			
40	40.5		97			5.7			2½			
40.5	41		98			9.7			7			
41	41.5		99	↓		16.4			7			
		042210		#531	0.52	11.7	19.44		4	.36		
49.5	50	532	78700	0.5		24.3			5			
50	50.5		78651			22.7			6			
50.5	51	Comp	52			16.2			1½			
51	51.5		53			13.6			3			
51.5	52		54			35.9			1			
52	52.5		55	↓		46.7			2			
		042213		#532	0.34	26.6	16.58		3½	.48		

AREA -

PAGE NO. 1 of 2

HOLE NO. RH- 1099

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
71	71.5		78656	05		27.4			4½			
71.5	72	533	57	1		24.0			3½			
72.0	72.5	Comp	58			17.7			5			
72.5	73		59			31.7			3½			
73	73.5		60			39.4			3			
73.5	74		61	↓		43.1			1			
		020210		#533	0.4	31.0	16.8		3	.33		
76	76.5	534	78662	05		10.8			7½			
76.5	77	Comp	63	↓		16.0			7			
77	77.5		64			18.7			3			
		020210		#534	0.3	15.4	19.3		6½	.46		
78.5	79	535 plox	78665	05		14.7			1			
		020210		#535	0.5	14.5	17.7		1	.55		
86.5	87	536	78666	0.5		37.8			2			
87	87.5	Comp	69	05		44.5			5½			
		020210		#536	0.3	41.2	16.4		4½	1.30		

AREA -

PAGE NO. 2 of 2

HOLE NO. RR-2044

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
9.0	9.5		80251			26.4			6½			
9.5	10.0	120 prox 477	80252			29.7			6			33
10.0	10.5		80253			40.5			4			
10.5	11.0		80254			31.2			6½			
11.0	11.5		80255			56.1			2			
		477			0.5	32.3	27.1	40.1	6½	53		1.01
15.0	15.5		80256			66.0			1			
15.5	16.0		80257			58.9			3			
30.0	30.5		80258			66			1			
70.0	70.5		80259			26.1			6			
70.5	71.0		80260			56.0			1			
71.0	71.5		80262			23.8			6½			
71.5	72.0		80263			13.4			7½			
72.0	72.5		80264			14.4			7			
72.5	73.0		80265			17.2			7			
73.0	73.5		80266			14.7			7			34
73.5	74.0	478 Comp	80267			18.9			7			
74.0	74.5	479 Comp	80268			20.7			6		1/15 wet	
74.5	75.0		80269			8.0			5½			
75.0	75.5		80270			11.3			6			
75.5	76.0	HW	80271			10.2			6½			1.06
76.0	76.5		80272			15.7			7			
76.5	77.0		80273			21.6			7			
77.0	77.5		80274			57.3			3½			
		478		7m	0.3	20.0	23.2	56.5	6½	.42		
		479		6m	0.6	16.4	23.6	59.4	6½	.45		
79.5	80.0		80275			71.4			1			
86.0	86.5	HW 480 Comp	80201			33.6			5			
86.5	87.0		80202			42.4			2			

AREA - Henrietta

PAGE NO. 1 of 2

HOLE NO. RH - 2076

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / c.d.b.)	REMARKS
87·0	87·5		80203			65.3			1			
		480			0.5	37.8	19.0	42.7	3½	.69		
127·5	128·0		80204			51.2			2½			
128·0	128·5		80205			14.2			7			
128·5	129·0		80206			32.8			3½			
129·0	129·5	481 (comp)	80207			20.0			2		35 / RD mac	
129·5	130·0		80208			73.7			1			
130·0	130·5		80209			32.2			2½			
130·5	131·0		80210			41.2			1			
131·0	131·5		80211			77.6			0			
		481			0.7	37.1	17.5	44.7	2	.41		
190·0	190·5		80212			78.0			0			1·16
191·0	191·5		80213			70.2			½			
191·5	192·0		80214			36.6			3½			
195·0	195·5		80215			74.7			1			
195·5	196·0		80216			79.5			0			

AREA - Henretta

PAGE NO. 2 of 2

HOLE NO. RH-2076

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
13.5	14.0	400 prox	80126			41.6			5			
14.5	15.0		80127			69.5			1			
				#400	0.47	40.8	19.1		5½	.66		
31.5	32.0		80128			13.7			7½			
32.0	32.5		80129			7.7			7½			
32.5	33.0	401 Comp Z	80130			6.0			7½			1.04
33.0	33.5		80131			7.9			7½			
33.5	34.0		80132			31.2			6½			
				#401	0.62	12.7	26.0		7	.87		
35.0	35.5		80133			69.4			1			
58.5	59.0		80134			76.2			0			
60.0	60.5		80135			72.8			1			
83.0	83.5		80136			26.0			5½			
83.5	84.0		80137			15.6			7			
84.0	84.5	402 Comp	80138			23.2			7½			1.04
84.5	85.0		80139			11.9			7			
85.0	85.5		80140			70.4			1			
85.5	86.0		80141			76.9			1			
86.0	86.5		80142			71.4			1			
86.5	87.0		80143			70.2			1			
				#402	0.51	18.8	24.5		7	.59		
88.0	88.5	403 Comp	80144			18.3			7			
88.5	89.0		80145			20.1			7			
89.0	89.5		80146			75.1			1			
89.5	90.0		80147			63.7			1½			
				#403	0.49	18.8	23.0		7	.62		

AREA - Henrietta

HOLE NO. RH-2077

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
98.0	98.5		80148			63.0			1			
101.0	101.5	404 prox	80149			23.2			5			
				#404	0.46	23.4	22.5		5½	.66		
106.0	106.5		80150			63.3			1			
130.0	130.5		80151			7.4			7½			
130.5	131.0		80152			35.5			5½			
131.0	131.5		80153			8.9			7			
131.5	132.0		80154			37.0			5			
132.0	132.5	Comp	80155			13.5			5½			
132.5	133.0	405	80156			8.4			2½		RD IMG PG091	
133.0	133.5		80157			15.8			6			
133.5	134.0	Comp	80158			52.2			3			
134.0	134.5		80159			38.8			5			1.13
134.5	135.0		80160			9.0			7			
135.0	135.5		80161			10.6			7½			
135.5	136.0		80162			69.8			1			
136.0	136.5		80163			35.0			3			
			6.5m	#405	0.53	26.3	20.7		6	.48		
			3.5	#406	0.39	18.6	21.0		6½	.40		
139.0	139.5	407 prox	80164			33.2			4½			
139.5	140.0		80165			33.3			5½			
				#407	0.66	33.7	18.5		5	.50		
		408 prox										
141.5	142.0		80166			15.5			7½			
142.0	142.5		80167			38.0			4½			
				#408	0.44	15.8	23.0		7	.62		
144.5	145.0		80168			23.0			5½			
145.0	145.5	Comp	80169			14.2			3			
145.5	146.0		80170			14.4			4			

AREA - Henretta OPEN

HOLE NO. RH-2077

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
146.0	146.5	409 over	80171			12.7			7½			
146.5	147.0		80172			57.1			2½			
				#409	0.64	15.5	23.7		6	.56		
154.5	155.0		80173			20.6			5½			
155.0	155.5	410 Comp	80174			26.5			5½			
155.5	156.0		80175			17.5			6			
156.0	156.5		80176			48.1			3½			
				#410	0.51	28.8	20.8		6	.66		
189.0	189.5		80177			67.6			1			
189.5	190.0		801 78			63.1			1			
190.0	190.5		801 79			53.1			1½			
190.5	191.0		801 80			56.4			1½			
191.0	191.5		801 81			71.1			1			
191.5	192.0		801 82			62.0			1			
192.0	192.5		801 83			74.0			1			
192.5	193.0		801 84			79.8			1			
193.0	193.5		801 85			69.6			1			
193.5	194.0		801 86			33.1			5½			
194.0	194.5		801 87			17.3			2			
194.5	195.0	411 Comp	801 88			16.2			2		Rework	
195.0	195.5		801 89			35.2			1		DROP	1.25
195.5	196.0		801 90			36.6			1			
196.0	196.5		80191			50.6			1			
				#411	0.51	26.1	19.7		2	.50		

AREA - Henretta

PAGE NO. 3 of 3

HOLE NO. RH - 2077

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
10.5	11.0	424 prox	80551			11.0			8			
11.0	11.5		80552			70.4			1			
11.5	12.0		80553			71.3			1			
				#424	0.76	11.0	29.6		7½	.98		
30.4	31.0		80554			27.4			6½			
31.0	31.5		80555			16.0			7			
31.5	32.0	Comp	80556			26.2			6½		Rem	1.05
32.0	32.5		80557			22.4			6½			
32.5	33.0	425	80558			20.1			7½			
33.0	33.5		80559			61.0			3			
33.5	34.0		80560			72.0			1			
				#425	0.67	22.9	24.7		6	.68		
35.0	35.5		80565			10.0			7½			
35.5	36.0		80566			27.8			4½			
36.0	36.5	Comp	80561			43.6			3½		Rem	1.03
36.5	37.0		80562			13.0			7½			
37.0	37.5	426	80563			18.5			7			
				#426	0.80	22.5	25.0		6	.56		
39.0	39.5		80564			62.8			1			
56.0	56.5		80567			63.8			1			
82.5	83.0		80626			70.2			1			
83.0	83.5		80627			88.9			0			
83.5	84.0		80628			89.3			0			
84.0	84.5		80629			84.0			0			
88.0	88.5		80630			78.2			½			
88.5	89.0		80631			86.3			1			

AREA - Henvetta

HOLE NO. RH-2078

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T. (Actual)	U. / a.d.b.)	REMARKS
89.0	89.5		80632			8.3			7				
89.5	90.0		80633			14.4			7				
90.0	90.5		80634			7.2			7½				
90.5	91.0		80635			8.0			7				
91.0	91.5		80636			20.8			2				
91.5	92.0		80637			19.1			4				
92.0	92.5		80638			28.2			2½				
92.5	93.0	Comp 427	80639			15.5			3½				
93.0	93.5		80640			20.6			2				
93.5	94.0		80641			42.5			4				
94.0	94.5		80642			16.2			5½				106
94.5	95.0		80643			10.8			6½				
95.0	95.5		80644			6.9			7				
95.5	96.0		80645			33.6			5½				
96.0	96.5		80646			79.2			0				
96.5	97.0		80647			89.0			0				
			7m	#427	0.80	19.5	21.5		5½	.53			
105.0	105.5		80568			92.0			0				
105.5	106.0		80569			90.6			0				
107.0	107.5		80570			91.4			0				
107.5	108.0		80571			88.6			0				
109.0	109.5		80573			61.2			1				
109.5	110.0		80574			72.5			1				
112.5	113.0		80575			57.6			2				
121.0	121.5		80648			84.6			0				
121.5	122.0		80649			88.1			0				

AREA - Henretta

HOLE NO. RH-2078

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
133.0	133.5		80650			45.2			3			
133.5	134.0		79576			21.0			2½			
134.0	134.5		79577			12.6			4			
134.5	135.0	Coal	578			11.8			3½		Roof	115
135.0	135.5		579			16.3			6			
135.5	136.0		580			7.8			6½			
136.0	136.5		581			40.5			5			
136.5	137.0	428	79582			67.2			1			
				#428	0.75	21.6	20.4		5	.64		
141.5	142.0		79583			86.9			2			
142.5	143.0		79584			61.4			3			
143.5	144.0		79585			52.6			1½			
144.0	144.5		79586			32.6			6			
144.5	145.0	Coal	795 87			29.1			4½			
145.0	145.5		795 88			26.3			2½			
		429		#429	0.79	30.0	19.8		4	.59		
146.5	147.0		795 89			78.2			½			
148.6	149.0		795 90			42.7			5½			
149.0	149.5		795 91			79.3			½			
181.0	181.5		795 92			55.5			2			
181.5	182.0		795 93			60.0			1			
182.0	182.5		795 94			67.8			1			
182.5	183.0		795 95			38.6			6½			
183.0	183.5		795 96			15.0			7			
183.5	184.0		795 97			12.9			7			

AREA - Henrietta over 430 over

HOLE NO. RH-2078

Fording DAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
184·0	184·5		79598			29.0			1½			
184·5	185·0		79599			17.3			2			
185·0	185·5		79600			27.3			2½			
185·5	186·0		80276			8.30			0			
186·0	186·5	(coal)	80277			14.8			6½			
186·5	187·0		80278			18.9			5			
187·0	187·5	Coal	80279			14.9			2½			
187·5	188·0		80280			24.9			2			
188·0	188·5	430	80281			60.6			½			
188·5	189·0		80282			41.2			1			1·24
189·0	189·5		80283			41.3			2½			
189·5	190·0		80284			72.2			½			
			80285			8.36			0			
195·5	196·0		80286			56.2			3			
			79595-80283	#430	0.79	32.6	17.8		3	.40		
			79595-80280	#457	0.57	27.4	19.0		3½	.46		

AREA - Henretta

PAGE NO. 4 of 4

HOLE NO. RH-2078

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
13.5	14.0		80990			49.4			3½			
14.0	14.5		80991			19.4			7½			
14.5	15.0		80992			14.2			7½			
15.0	15.5	prox	80993			13.3			8			Ro max
15.5	16.0		80994			9.1			7½		Ro max	
16.0	16.5	386	80995			19.4			7½		PG-084	1.04
16.5	17.0		80996			60.8			3			
17.0	17.5		80997			60.5			2			
17.5	18.0		80998			62.6			1			
18.0	18.5		80999			63.6			3			
18.5	19.0		81000			5.9			8			
19.0	19.5		80651			5.8			7½			
19.5	20.0		80652			38.4			4			
20.0	20.5		80653			7.1			7½		R max	1.07
20.5	21.0	Prox	80654			13.6			7½		PG-85	
21.0	21.5		80655			20.0			7½			
21.5	22.0	387	80656			25.8			6½			
				#386	0.66	15.3	26.6		7½	.64		
				#387	0.67	17.0	25.6		7½	.68		
22.5	23.0	388 Comp	80657			10.6			7½			
23.0	23.5		80658			77.2			0			
				#388	0.65	10.6	26.8		7½	.68		
69.0	69.5		80660			46.4			2			
69.5	70.0		80661			42.0			3½			
			80660-668	#389	0.67	19.0	21.2		6½	.44		
			80662-668	#390	0.70	11.8	22.6		6½	.43		
70.0	70.5		80662			12.5			6½			
70.5	71.0	389 Comp	80663			14.8			7			
71.0	71.5		80664			18.4			7		R max	
71.5	72.0	Comp 390	80665			10.6			6½			1.16
72.0	72.5		80666			5.8			6½		PG-086	
72.5	73.0		80667			4.4			4½			
73.0	73.5		80668			17.2			2½			
73.5	74.0		80669			51.6			4			
74.0	74.5		80670			56.6			2			
74.5	75.0		80671			11.9			7			
75.0	75.5	Comp over	80672			8.6			6½			

AREA - Henretta

HOLE NO. RH-2079

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
75.5	76.0	391	80673			33.7			6			
76.0	76.5		80674			49.0			3			
76.5	77.0		80675			65.4			1			
			80671-673	#391	0.54	17.9	20.5		6½	.60		
80.0	80.5	392 prox	80726			13.4			7			
80.5	81.0		80727			49.4			4½			
				#392	0.54	13.4	23.0		7	.82		
85.0	85.5		80737			72.6			1			
85.5	86.0		80738			71.6			1			
88.5	89.0		80728			26.8			2			
89.0	89.5		80729			7.2			4½			
89.5	90.0		80730			14.3			4			
90.0	90.5	393 Coupe	80731			11.8			5½		Ro mach	1.18
90.5	91.0		80732			12.7			7		HG087	
91.0	91.5		80733			45.0			5			
91.5	92.0		80734			74.2			1			
92.0	92.5		80735			72.5			1			
92.5	93.0		80736			79.0			½			
				#393	0.47	19.6	19.3		5	.54		
101.0	101.5		80739			10.0			7½			
101.5	102.0	394 Coupe	80740			12.6			7½			
102.0	102.5		80741			9.1			7			
102.5	103.0		80742			50.0			4½			
103.0	103.5		80743			78.6			0			
103.5	104.0		80744			81.9			0			
				#394	0.46	10.7	21.5		7½	.64		
				#395	0.54	32.2	17.2		4½	.62		
111.0	111.5		80745			30.2			5			
111.5	112.0	395 Coupe	80746			38.4			5			
112.0	112.5		80747			29.4			3			
112.5	113.0		80748			54.0			2			

AREA - Henretta

HOLE NO. RH-2079

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
130.5	131.0		80749			42.3			5			
131.0	131.5		80750			63.4			1			
132.5	133.0		80576			41.7			4½			
133.0	133.5		80577			51.9			1			
133.5	134.0		80578			33.0			5			1022
134.0	134.5	3.46 Coups	80579			19.7			6½			RD WGX
134.5	135.0		80580			32.8			1			
135.0	135.5		80581			15.2			6			PG 055
135.5	136.0		80582			77.5			0			
				#396	0.49	32.2	16.3		3½	.56		
137.0	137.5		80583			22.6			6½			
137.5	138.0		80584			17.0			1½			
138.0	138.5	2.67 Coups	80585			33.6			1			
138.5	139.0		80586			61.6			1			
139.0	139.5		80587			54.8			1			
139.5	140.0	2.98 prox	80588			23.4			3½			
140.0	140.5		80589			64.4			1			
				#397	0.34	24.9	17.9		3	.48		
				#398	0.43	22.8	17.5		3½	.44		
168.0	168.5		80590			86.8			0			
170.5	171.0		80591			46.4			3½			
171.0	171.5		80592			62.8			1			
171.5	172.0		80593			83.2			0			
172.0	172.5		80594			83.4			0			
172.5	173.0		80595			85.6			0			
175.0	175.5		80596			81.5			0			
175.5	176.0		80597			86.4			0			
176.0	176.5		80598			38.1			1			
176.5	177.0	over	80599			33.4			2½			

AREA - Henretta

HOLE NO. RH-2079

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
177.0	177.5		80600			71.8			½			
177.5	178.0	399 Coal	79626			27.2			2			
178.0	178.5		79627			40.8			1			
178.5	179.0	"	79628			79.2			0			
				#399	0.47	43.0	137		1	1.00		
180.0	185.5	"	79629			Ek 3			0			

AREA - Henretta

PAGE NO. 4 of 4

HOLE NO. RH-2079

Fording ALUMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
65·0	65·5		80526			33.8			5			
65·5	66·0		80527			28.4			6½			
66·0	66·5	Comp 419	80528			21.6			2			Rot wash
66·5	67·0		80529			34.2			2½			
67·0	67·5		80530			58.3			1			1·24
67·5	68·0		80531			64.1			1			
68·0	68·5		80532			15.8			5			
68·5	69·0		80533			19.0			3			
69·0	69·5	Comp 420	80534			25.8			1½			Rot wash
69·5	70·0		80535			44.8			1½			
70·0	70·5		80536			64.0			1			
70·5	71·0		80537			61.0			1			
				#419	0.75	30.4	18.7		4	·50		1·25
				#420	0.70	27.2	18.5		2	·44		
120·0	120·5		80538			81.5			0			
165·0	165·5		80539			50.2			1			
165·5	166·0		80540			42.0			1			
166·0	166·5	Comp 421	80541			30.6			2			
166·5	167·0		80542			33.8			1½			
167·0	167·5		80543			72.0			1			
				#421	0.61	35.9	16.8		1½	·46		
183·0	183·5		80545			25.2			4			
183·5	184·0		80546			51.8			1			
184·0	184·5		80547			25.2			1			
184·5	185·0		80548			19.0			3			
185·0	185·5	Comp 422	80549			31.3			4½			
185·5	186·0		80550			27.5			5			
186·0	186·5		80026			36.8			1			Rot wash
186·5	187·0		80027			29.8			2			
187·0	187·5		80028			57.3			1			
187·5	188·0		80029			45.3			3			
188·0	188·5		80030			56.2			1			1·32
188·5	189·0		80031			72.0			0			
				#422	0.62	30.9	17.0		2½	·42		

AREA- Henvetta

HOLE NO. RH- 2080

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
90.0	190.5	* 423 prod	80032			25.8			3½			
				#423	0.64	26.0	19.4		3½	46		
93.0	193.5		80033			83.7			0			
93.5	194.0		80034			84.3			0			

AREA - Henretta

PAGE NO. 2 of 2

HOLE NO. RH - 2080

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
40·0	40·5		80426			66.5			1			
59·0	59·5	521 Coal	80427			33.2			5½		48	
59·5	60·0		80428			18.1			6½			
60·0	60·5		80429			10.6			7½	full put		
60·5	61·0		80430			7.1			6½			
61·0	61·5		80431			18.5			6½			
61·0	62·0		80432			20.0			7			
62·0	62·5		80433			69.0			1			109
		521			0.5	18.7	25.3	55.5	7	.681		
66·0	66·5		80434			57.6			2½			
66·5	66·0	522 Coal	80435			43.9			5			
66·0	66·5		80436			65.3			1			1200
66·5	67·0		80437			25.7			6½			
67·0	67·5		80438			46.0			5			
		522			0.6	45.8	30.8	32.8	5	.669		
68·5	69·0	523 Coal	80439			20.2			6½			1200
69·0	69·5		80440			21.5			7½			
		523			0.5	21.0	25.2	53.3	7	.79		
79·0	79·5		80441			80.2			½			
79·5	80·0		80442			83.8			0			
111·0	111·5	524 Coal	80443			17.0			6½		49	111
111·5	112·0		80444			21.0			6½			Petrographic
112·0	112·5		80445			14.4			6½			
112·5	113·0		80446			9.3			6½			Analysis 1-18
113·0	113·5		80447			14.2			6½			
113·5	114·0		80448			23.8			6½			
114·0	114·5		80449			7.6			6½			
114·5	115·0		80450			7.8			6½			
115·0	115·5		80076			8.2			4½			

AREA - Henretta

HOLE NO. RH- 2081

FORDING COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
115.5	116.0		80077			22.0			5½			
116.0	116.5		80078			15.6			2½			
116.5	117.0		80079			29.6			3½			
117.0	117.5		80080			6.8			½			
117.5	118.0		80081			18.0			6½			
118.0	118.5		80082			12.5			6½			
118.5	119.0		80083			7.6			7½			
119.0	119.5		80084			7.9			6½			
119.5	120.0		80085			11.7			8			
120.0	120.5		80086			83.8			0			
		524		9m	0.6	17.6	22.7	59.1	6	.47	111	D
122.0	122.5		80087			13.6			7½			
122.5	123.0	525	80088			22.7			7			
123.0	123.5		80089			10.2			7½			
123.5	124.0	Comp	80090			21.0			6½			
124.0	124.5		80091			18.9			7½		11	9
124.5	125.0		80092			60.9			2			
125.0	125.5		80093			83.6			0			
		525			0.6	17.4	24.6	57.4	7	.63		
161.0	161.5	526 Comp	80094			12.9			4½			
161.5	162.0	527 Comp	80095			20.4			2½		110	
162.0	162.5		80096			18.1			6			
162.5	163.0		80097			50.1			3½			
163.0	163.5		80098			46.1			4½			
		526			0.5	29.7	19.1	50.7	4	.58		
		527			0.5	17.1	21.4	61.0	4½	.63	11	
168.5	169.0	528 Comp	80099			35.2			4½			
169.0	169.5		80100			30.4			5			
		529			0.4	32.4	20.0	47.2	6	.88		
171.0	171.5		80101			66.7			1			
190.5	191.0		80102			73.7			1			

AREA - Henretta

HOLE NO. RH- 2081

Fording Coal Limited

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
191.5	192.0		80103			48.4			4½			
192.0	192.5	529	80104			47.0			4½		0.4	
192.5	193.0	Comp	80105			16.6			6½			
193.0	193.5		80106			26.5			3			
193.5	194.0		80107			44.8			2½			
194.0	194.5		80108			70.8			½			
194.5	195.0		80109			67.6			1			
195.0	195.5		80110			28.9			6			
195.5	196.0	530	80111			20.1			3			
196.0	196.5	Comp	80112			25.8			3			
196.5	197.0		80113			53.2			1½			
197.0	197.5		80114			46.9			1½			
		529			0.5	36.7	17.8	45.0	4½	.57	[illegible]	
		530			0.6	37.1	17.5	44.8	2½	.43	[illegible]	

AREA - Henretta

PAGE NO. 3 of 3

HOLE NO. RH- 2081

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
22.5	23.0		80451			83.2			0		1	
23.0	23.5		80452			84.6			0			
23.5	24.0		80453			80.2			0			
34.5	35.0		80454			63.4			½		46	
35.0	35.5	515	80455			17.4			7½		$R_{o\,max}$	
35.5	36.0	Coals	80456			7.1			7½			
36.0	36.5		80457			8.0			6½			1.11
36.5	37.0		80458			7.8			6½			1.16
37.0	37.5		80459			55.5			2½			
		515			0.4	10.0	24.1	65.5	6½	54		
49.0	49.5		80460			46.6			3			
49.5	50.0		80461			55.9			2			
51.5	52.0		80462			80.1			0			
65.0	65.5		80463			67.5			1			
65.5	66.0		80464			15.9			7		47	
66.0	66.5	516	80465			15.9			3½		Petrographic	
66.5	67.0		80466			30.2			2			
67.0	67.5	Coals	80467			11.4			6		Analysis	
67.5	68.0		80468			17.1			7			
68.0	68.5		80469			15.6			7½			
68.5	69.0		80470			28.7			2			
69.0	69.5		80472			49.7			4			
69.5	70.0	516			0.4	19.2	22.6	57.8	6½	74	110	
			80473			70.3			1			Ro max 1.17
74.5	75.0		80474			75.5			½			
75.0	75.5		80475			79.0			0			

AREA - Henretta

HOLE NO. RH - 2082

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
76.0	76.5		80376			56.2			½			
76.5	77.0		80377			71.1			1			
77.0	77.5		80378			60.3			1			
77.5	78.0	517 Comp	80379			27.1			6			
78.0	78.5		80380			35.9			5½			
		517			0.4	32.4	19.5	47.7	16	.74	11.0	
80.5	81.0	518 Comp	80381			28.0			7			
81.0	81.5		80382			10.6			7½			
81.5	82.0		80383			47.2			5½			
		518			0.4	19.4	23.1	57.1	8	.96	14.9	
107.0	107.5		80384			51.5			4			
108.5	109.0		80385			54.8			2			
109.0	109.5	519 Comp	80386			16.8			3½			
109.5	110.0		80387			15.3			2			
110.0	110.5		80388			16.2			3			
110.5	111.0		80389			67.0			1			
111.0	111.5		80390			53.9			1			
		519			0.3	15.5	20.4	63.9	3	.54	09.0	
112.5	113.0		80391			64.4			½			
113.0	113.5	520 Comp	80392			16.3			1½			
113.5	114.0		80393			39.5			1			
114.0	114.5		80394			65.5			1			
114.5	115.0		80395			41.0			1½			
		520			0.3	41.7	15.4	42.6	1	.37	24.0	
127.0	127.5		80396			83.1			0			
139.5	140.0		80397			50.1			1			
140.0	140.5		80398			67.5			1			

AREA - Henretta

HOLE NO. RH-2082

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
140.5	191.0		80399			53.8			1			
191.0	191.5		80400			57.2			1			
204.0	204.5		80401			64.6			1			
204.5	205.0		80402			45.0			1			
205.0	205.5		80403			70.9			½			
205.5	206.0		80404			54.4			1			

AREA - Henretta

HOLE NO. RH-2082

FORDING COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
33·0	33·5		80301			60.1			1			
33·5	34·0		80302			69.4			½			
34·0	34·5		80303			31.3			3½			
34·5	35·0		80304			5.5			7½			
35·0	35·5		80305			12.2			7			
35·5	36·0		80306			32.9			4½			30
36·0	36·5		80307			14.6			5			
36·5	37·0	469	80308			9.2			6			
37·0	37·5	11 Comp	80309			28.4			5½			
37·5	38·0		80310			41.4			4			
38·0	38·5		80311			28.0			6			
38·5	39·0		80312			8.5			7			
39·0	39·5		80313			18.6			7			
39·5	40·0		80314			27.1			6½			
40·0	40·5		80315			64.1			1½			
40·5	41·0		80316			76.3			0			
41·0	41·5		80317			74.1			0			
41·5	42·0		80318			79.8			0			
42·5	43·0		80319			104.6			1			
43·0	43·5	470	80320			14.2			7			
43·5	44·0	469 Comp	80321			31.6			7			
44·0	44·5		80322			63.2			1			
		Comp #469			0.6	21.7	21.5	56.2	6	.51		
		#470			0.4	23.3	22.0	54.3	7	.83		
54·0	54·5		80323			11.7			5			
54·5	55·0		80324			10.2			4½			31
55·0	55·5	471	80325			9.6			7			
55·5	56·0	11 Comp	80326			9.4			7			
56·0	56·5		80327			10.7			7½			
56·5	57·0		80328			36.6			6½			
		#471			0.4	14.6	22.8	62.2	7	.74		
70·0	70·5		80329			42.9			1½			
70·5	71·0		80330			32.2			6½			
71·0	71·5	199 Comp 472	80331			38.0			5½			
71·5	72·0		80332			46.3			3½			
		472			0.4	40.2	17.9	41.5	4	.82		

AREA - Henretta

PAGE NO. 1 of 3

HOLE NO. RH-2083

FORDING COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
88.0	88.5		80333			54.1			4			
88.5	89.0		80334			16.5			1			
89.5	90.0		80335			30.8			6½		32	
90.0	90.5		80336			17.4			6½			
90.5	91.0	473 Comp	80337			25.3			6			
91.0	91.5		80338			22.6			2½			
91.5	92.0		80340			14.2			2½			
92.0	92.5		80341			47.4			2½			
92.5	93.0		80342			81.3			0			
		#473			0.5	27.4	18.5	53.6	3½	.60		1.24
94.0	94.5		80343			12.8			7			
94.5	95.0	Comp 474	80344			9.3			6			
95.0	95.5		80345			15.1			3½			
		#474			0.4	12.3	20.8	66.5	5	.56		
119.0	119.5		80346			70.0			½			
119.5	120.0		80347			55.7			1			
120.0	120.5		80348			56.8			1			
120.5	121.0		80349			50.2			1			
155.0	155.5		80350			70.9			0			
174.0	174.5		80351			66.8			0			
174.1	175.0	475 Comp	80352			43.1			1			
175.0	175.5		80353			28.1			1		(oiler sample)	
175.5	176.0		80354			40.0			1½			
176.0	176.5		80355			62.9			1			
176.5	177.0		80356			89.4			0			
		475			0.4	35.8	16.5	47.3	1	.54		

AREA - Henretta

PAGE NO. 2 of 3

HOLE NO. RH-2083

TORONTO COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
198.5	199.0		80357			37.4			3			
199.0	199.5		80358			59.9			1			
199.5	200.0		80359			51.8			1			
200.0	200.5		80360			80.9			0			
200.5	201.0		80361			81.4			0			
204.5	205.0	050 Coal 4766	80362			110.7			1½			
205.0	205.5		80363			16.7			7			
205.5	206.0		80364			53.1			2			
206.0	206.5		80365			71.1			1			
206.5	207.0		80366			79.4			0			
		476			0.4	28.1	17.6	53.9	4½	.59		

AREA - Henretta

PAGE NO. 3 of 3

HOLE NO. RH- 2083

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
54.5	55.0		80226			83.8			0			
119.0	119.5		80227			76.6			0			
119.5	120.0		80228			43.4			1			
120.0	120.5	Compo 433	80229			40.0			4			
120.5	121.0		80230			37.0			5			
121.0	121.5		80231			69.1			1			
				#433	0.66	41.0	15.8		2½	.38		
139.0	139.5		80232			41.4			1½			
139.5	140.0		80233			24.3			1			
140.0	140.5		80234			14.8			2½			
140.5	141.0		80235			11.4			7			
141.0	141.5		80236			37.7			1			
141.5	142.0	Compo 434	80237			14.0			2			
142.0	142.5		80238			16.4			5			
142.5	143.0		80239			12.0			4½			
143.0	143.5		80240			35.4			5+			
143.5	144.0		80241			71.2			1			
				#434	0.59	23.4	17.5		2½	.38		1.29
153.0	153.5		80242			32.5			1			
153.5	154.0		80243			22.0			3½			
154.0	154.5		80244			9.5			6½			
154.5	155.0	Compo 435	80245			20.4			4			
155.0	155.5		80246			19.7			5			
155.5	156.0		80247			64.1			1			
156.0	156.5		80248			43.0			1			
156.5	157.0		80249			56.7			1			
				#435	0.60	30.6	17.5		3	.32		1.33
				#436	0.53	21.5	19.7		4	.42		
189.0	189.5		80250			48.4			1			
189.5	190.0		80501			79.8			+			

AREA - Henvetta

PAGE NO. 1 of 1

HOLE NO. RH-2084

FORDING COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
19.5	20.0		80676			42.3			4½			
20.0	20.5		80677			27.9			5½			
20.5	21.0	412	80678			33.8			3½			
21.0	21.5	Comp	80679			28.9			5			
21.5	22.0		80680			57.0			1		RG093	1.13
22.0	22.5		80681			33.8			5½			
				#412	0.60	37.4	19.7		5	.67		
23.0	24.0		80682			70.0			1			
47.0	47.5		80683			57.7			2½			
47.5	48.0		80684			58.0			2			
48.0	48.5		80685			43.2			3½			
48.5	49.0	413 Comp	80686			39.5			4			
49.0	49.5		80687			32.8			2			
49.5	50.0		80688			33.6			3½			
50.0	50.5		80689			83.6			0			
50.5	51.0		80690			61.0			1			
51.0	51.5		80691			21.1			3			
51.5	52.0	414 Comp	80692			24.5			3½			
52.0	52.5		80693			25.6			1			
52.5	53.0		80694			56.2			1			1.28
53.0	53.5		80695			63.8			1			
53.5	54.0		80696			53.2			1			
				#413	0.54	38.1	18.0		3½	.53		
				#414	0.59	24.1	19.9		2	.46		
64.0	64.5		80697			76.2			0			
66.0	66.5		80698			80.0			0			
				#415	0.55	32.3	19.0		5	.65		
72.0	72.5	415 prox	80699			32.2			5½			
72.5	73.0		80601			62.9			2			

AREA - Henrietta

HOLE NO. RH-2085

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
73·0	73·5		80603			79.2			1½			
74·0	74·5		80604			66.6			½			
74·0	74·5		80605			58.0			1			
78·0	78·5		80606			76.2			1			
79·5	80·0		80607			53.4			1			
80·0	80·5		80608			70.4			1			
118·0	118·5		80609			72.6			½			
143·0	143·5		80610			10.4			2½			
143·5	144·0	U/G Coal	80611			18.6			3			
144·0	144·5		80612			26.0			7			
144·5	145·0		80613			74.9			1			
				#416	0.54	18.6	19.3		4	.73		
164·5	165·0		80614			74.4			½			
				#417	0.48	21.5	19.5		3	.45		
167·0	167·5		80615			38.3			1			
167·5	168·0		80616			14.2			6½			
168·0	168·5		80617			15.8			3½			
168·5	169·0	U/G Coal	80618			24.6			3½			
169·0	169·5		80619			27.6			1			
169·5	170·0		80620			13.8			2			
170·0	170·5		80621			12.0			7			1.34
170·5	171·0		80622			57.4			1			

AREA - Hanniotta

HOLE NO. RH-2085

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
71·0	171·5		80623			74 0			1			
71·5	172·0		80624			73.8			0			
72·0	172·5		80625			84.2			0			
73·5	174·0		80701			85 2			0			
77·0	177·5		80702			79.1			C			
77·5	178·0		80703			82.8			C			
180·5	181·0		80704			88.2			C			
181·0	181·5		80705			40 6			1			
181·5	182·0		80706			30.1			1½			
182·0	182·5		80707			12 5			3			
182·5	183·0	418 Coal	80708			18.2			6			
183·0	183·5		80709			34.2			2½			
183·5	184·0		80710			10.3			7			
184·0	184·5		80711			15 4			7			
184·5	185·0		80712			44.3			1			
185·0	185·5		80713			82 7			0			
				#418	0.40	26.6	17.7		3	.34		

Rd max
DG 006

1.56

AREA - Henrietta

PAGE NO. 3 of 3

HOLE NO. RH-2085

R.H. 2086 Henretta

ROTARY - DRILL HOLE SAMPLING RECORD

COAL LIMITED

FORDING VER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
19.0	19.5		78960			64.8			1			
19.5	20.0		78961			43.7			1½			
20.0	20.5		78962			90.6			0			
36.0	36.5		78963			65.3			1			
40.0	40.5		78964			74.6			0			
40.5	41.0		78965			78.7			0			
69.0	69.5		78966			58.4			1½			
69.5	70.0		78967			56.8			1			
96.0	96.5	512	78968			55.6			1			
96.5	97.0	Camp	78969			23.2			4½			
97.0	97.5		78970			31.6			5½			
97.5	98.0		78971			65.6			1			
98.0	98.5		78972			84.1			0			
		512			0.3	28.7	19.1	52.9	4	.50	71	
117.5	118.5		78973			25.1			1			
118.0	118.5		78974			33.2			1			
118.5	119.0		78975			No sample						
119.0	119.5	513	78701			13.2			7		44	.0
119.5	120.0	Camp	78702			26.9			2			
120.0	120.5		78703			19.2			2		Rd	
120.5	121.0		78704			16.5			3½			
121.0	121.5		78705			10.5			5		next	
121.5	122.0		78706			21.4			6½			
122.0	122.5		78707			62.1			1			1.26
122.5	123.0		78708			73.0			0			
123.0	123.5		78709			65.4			1			
		513			0.3	20.7	19.1	59.9	4	.43		

AREA - Henretta

HOLE NO. RH-2086

COAL LIMITED

ROTARY- DRILL HOLE SAMPLING RECORD -

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
131.5	132.0		78710			27.5			1			
132.0	132.5		11			27.1			1			
132.5	133.0		12			13.8			4			
133.0	133.5		13			10.0			5½		45	056
133.5	134.0	514	14			22.4			3½			
134.0	134.5	Coupé	15			9.7			6½		Roma X	
134.5	135.0		16			14.2			2½			
135.0	135.5		17			19.8			6			
135.5	136.0		18			17.0			2			
					C.3	15.6	16.4	67.8	3½	40		1.34
169.5	170.0		78719			24.0			½			

AREA- Henvetta

PAGE NO. 2 of 2

HOLE NO. RH- 2086

R.H. 2087 Henvetta 08/17/88

ROTARY DRILL HOLE SAMPLING RECORD

COAL LIMITED

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
7.5	8.0		78726			23.5			½			
8.0	8.5		78727			11.7			6			
8.5	9.0		78728			21.0			5		39	
9.0	9.5		78729			45.5			3½			
9.5	10.0	Comp 493	78730			20.7			4			
10.0	10.5		78731			69.0			½		Rowe 108	
10.5	11.0		78732			21.3			6			
11.0	11.5		78733			36.5			5			
11.5	12.0		78734			32.6			5			
		493			1.1	32.0	16.E	47.1	3½	45	11m	
13.0	13.5		78735			35.4			6			
13.5	14.0		736			28.3			5½			
14.0	14.5	494	737			20.7			7			
14.5	15.0	Comp	78738			40.5			5½			
15.0	15.5		78748			10.6			6½			
15.5	16.0		78749			11.2			2			
16.0	16.5		78739			16.5			4½			
16.5	17.0		78740			15.8			6½			
17.0	17.5		78741			53.2			3½			
17.5	18.0		78742			47.0			4½			
18.0	18.5		78743			52.0			4			
18.5	19.0		78744			7.2			1			
19.0	19.5		78745			79.3			0			
19.5	20.0		78746			7.8			1			
20.0	20.5		78747			75.1			1			
		494			.5	23.3	20.0	55.6	5½	50	111	
26.0	26.5		78750			69.5			1			
26.5	27.0		80502			79.1			0			
28.0	28.5	493 Comp	80503			35.1			3½			
28.5	29.0		80504			16.2			7			
29.0	29.5		80505			54.7			3½			
		495			.5	25.9	20.7	52.9	6	.47	110	

AREA - Henvetta

HOLE NO. RH-2087

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
31·5	32·0		80506			41.1			6			
32·0	32·5		80507			54.4			2½			
32·5	33·0	496 Comp	80508			24.6			7½			
33·0	33·5		80509			25.3			7			
33·5	34·0		80510			88.9			0			
34·0	34·5		80511			83.8			0		40	
34·5	35·0		80512			15.4			4½			
35·0	35·5	497	80513			14.7			3		Rwash	1615
35·5	36·0	Comp	80514			22.8			3½			
36·0	36·5		80515			23.4			6½			
36·5	37·0		80516			60.7			2½			
37·0	37·5		80517			70.8			1			
37·5	38·0		80518			80.5			½			
38·0	38·5		80519			19.6			7			
		496			0.5	24.8	21.6	53.1	7	53	"	
		497			0.5	19.1	20.4	60.0	4½	56	"	
40·0	40·5		80520			71.5			1			
40·5	41·0		80521			73.3			1			
42·5	43·0		80522			66.8			1			
43·0	43·5		80523			75.2			1			
46·5	47·0	498 Comp	80524			35.4			6			
47·0	47·5		80525			43.4			3			
47·5	48·0		78581			27.0			5½			
48·0	48·5		78582			63.4			1			
		498			0.5	35.0	18.4	46.1	5½	72	"	
50·0	50·5		78583			33.6			7½			
50·5	51·0		78584			80.7			0			
65·5	66·0		78585			41.5			4½			
66·0	66·5		78586			17.5			6½			

AREA - Henretta

HOLE NO. RH-2087

COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY - DRILL HOLE SAMPLING RECORD -

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
66.5	67.0	499 Comp ↑	78587			31.8			2			
67.0	67.5		588			47.2			1½			
67.5	68.0		589			53.7			1			
68.5	68.5		590			82.3			0			
68.5	69.0		591			48.0			2			
69.0	69.5	500 Comp ↕	592			32.2			1½			
69.5	70.0		593			29.2			1			
70.0	70.5		594			16.6			1½			
70.5	71.0		595			72.0			1			
71.0	71.5		596			55.6			1½			
71.5	72.0		597			57.1			1			
72.0	72.5		78598			62.6			1			
		499			0.5	33.8	23.7	42.0	3½	52	CC	
		500			0.5	32.8	21.2	45.5	1	45	CC	
101.0	101.5		78599			30.1			5			
101.5	102.0		78600			64.7			1			
102.0	102.5		80405			82.4			0			
109.0	109.5		80406			56.3			1			
109.5	110.0		80407			83.7			0			
134.0	134.5		80408			80.9			½			
143.0	143.5		80409			73.8			1			
170.0	170.5	501 Comp ↕	80410			26.8			2			
170.5	171.0		80411			42.6			4			
171.0	171.5		80412			53.6			1			
171.5	172.0		80413			75.2			½			
		501			0.4	36.0	29.8	33.0	2	.49	0	

AREA - Henvetta

HOLE NO. RH-2087

COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
187·0	187·5		80414			66·0			1			
192·5	193·0		80415			17·9			1½			
193·0	193·5		80416			13·8			5		42	
193·5	194·0		80417			15·9			3			
194·0	194·5	502 Comp	80418			29·5			2			
194·5	195·0		80419			17·4			2			
195·0	195·5		80420			26·2			3½			
195·5	196·0		80421			16·2			3			
196·0	196·5		80422			37·3			3			
196·5	197·0		80423			75·0			½			
		502			0·4	22·4	18·8	58·4	2½	58	(42)	
205·5	206·0		80429			28·9			1		43	
206·0	206·5		80425			20·8			3			
206·5	207·0		80489			14·8			6			
207·0	207·5	503 Comp	80490			59·6			0			
207·5	208·0		80491			24·7			3½			
208·0	208·5		80492			21·2			6			
208·5	209·0		80493			38·9			4½			1032
		503			0·4	30·2	23·6	45·8	2½	45	(50)	

AREA - Henvetta

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HOLE NO. RH - 2087

Fording River Operations

ROTA DRILL HOLE SAMPLING RECOR.

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / G.d.b.)	REMARKS
4.5	5.0	482 prox	80801			22.8			6			
					0.6	21.8	25.1	52.5	7	.58	199	
6.5	7.0		80802			67.8			1			
7.0	7.5	483 prox	80803			19.7			7½			
7.5	8.0		80804			89.0			0			
		483			0.5	19.3	25.7	54.5	8	.77		
49.0	49.5		80805			6.5			7½			
49.5	50.0		80806			10.6			5½		316	
50.0	50.5		80807			7.0			7			
50.5	51.0		80808			6.4			6½			
51.0	51.5	Comp 484	80809			9.7			6½			
51.5	52.0		80810			8.0			7			
52.0	52.5		80811			16.7			6½			
52.5	53.0		80812			33.5			4½			
53.0	53.5		80813			10.9			7½			
53.5	54.0		80814			56.2			3			
		484			0.6	12.9	23.5	63.0	7	.53		
65.5	66.0		80815			79.1			0			
66.0	66.5		80816			65.0			1			
66.5	67.0		80817			60.7			2			
83.5	84.0		80818			30.4			4½		37	
84.0	84.5		80819			10.9			3			
84.5	85.0	485	80820			13.4			6½			
85.0	85.5	Comp 1	80821			13.5			6½			
85.5	86.0		80822			32.5			5½			
86.0	86.5		80823			50.6			3½			
86.5	87.0		80824			82.9			0			
		487			0.5	21.8	20.8	56.9	5½	.61		
93.0	93.5	486 Comp	80825			38.6			3½			
93.5	94.0		78501			16.4			6½			

AREA - Henretta

PAGE NO. 1 of 3

HOLE NO. RH-2088

Fording COAL LIMITED

ROTA. DRILL HOLE SAMPLING RECOR.

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
~~93.5~~	~~94.0~~		~~78501~~									
94.0	94.5		78502			49.9			3½			
		486			0.5	27.0	20.0	52.5	5½	.71	140	
96.5	97.0	487 prox	78503			29.0			6½			
97.0	97.5		78504			68.4			2½			
		487			0.4	24.0	23.2	52.4	7½	.96	116	
113.5	114.0		78505			53.1			4½			
		488			0.4	29.9	18.9	50.8	5	.59	230	
116.5	117.0		78506			33.0					38	
117.0	117.5		78507			116.0			4½			
117.5	118.0	488	78508			29.5			5			
118.0	118.5	prox	78509			22.8			5½		Ro max	
118.5	119.0		78510			23.2			1			
119.0	119.5		78511			26.7			5			
119.5	120.0		78512			85.1			½			
120.0	120.5		78513			88.9			0		101	
120.5	121.0		78514			73.3			1			
121.0	121.5	489 prox	78515			33.7			1½			
121.5	122.0		78516			16.8			6½			
122.0	122.5		78517			75.6			1			
122.5	123.0		78518			92.0			0			
123.0	123.5		78519			85.6			0			
123.5	124.0		78520			11.9			7			
124.0	124.5	490	78521			19.5			4½			
124.5	125.0	Cap	78522			20.7			2			
125.0	125.5		78523			65.5			1½			
125.5	126.0		78524			34.5			3			
126.0	126.5		78525			43.4			2			
		489			0.5	24.9	19.4	55.2	4	.49	7	
		490			0.6	33.7	17.5	48.2	2½	.42	7	
		491			0.5	17.0	21.2	61.3	4	.51		
140.0	140.6		78951			70.4			1			
140.5	141.0		78952			81.4			0			

AREA - Henretta

HOLE NO. RH-2088

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
145.5	146.0		78953			80.1			0			
146.0	146.5		78954			84.2			0			
156.0	156.5		78955			78.0			1			
156.5	157.0		78956			67.2			1			
157.0	157.5	492	78957			42.9			1½			
157.5	158.0	Comp	78958						1½			
158.0	158.5		78959			34.9			4½			
		492			0.4	37.8	18.6	43.2	1½	.58	[illegible]	

AREA - Henretta

PAGE NO. 3 of 3

HOLE NO. RH-2088

Fording COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
49.5	50.0		83018			20.0			3			Raw
50.0	50.5		83019			16.0			2½			
50.5	51.0		83020			13.4			2½			
51.0	51.5	030 Comp	83021			24.1			6½			
51.5	52.0		83022			24.8			6½			
				Compo#30	0.65	20.0	18.94		3½	.72		1.26
57.0	57.5		83023			62.2			1½			
67.0	67.5		83024			25.2			6½			Raw
67.5	68.0	031 Comp	83025			42.5			4			
68.0	68.5		83451			39.9			1½			
68.5	69.0		83452			37.4			4½			
				Compo#31	0.57	36.8	17.56		5	.70		1.22
72.5	73.0	032 prox	83453			37.6			6½			
				Compo#32	0.52	37.6	18.50		7	1.00		
87.5	88.0		83454			46.6			5½			
88.0	88.5	033 Comp	83455			39.1			5			
				Compo#33	0.58	43.6	16.32		5	.56		
89.0	89.5	034 prox	83456			38.0			5½			
				Compo#34	0.59	39.0	17.37		5½	.62		
				Compo#35	0.53	29.5	17.78		6	.51		
90.0	90.5		83457			40.0			6			
90.5	91.0		83458			39.2			5			
91.0	91.5		83459			21.7			6			
91.5	92.0	035 Comp	83460			21.4			6			
92.0	92.5		83461			12.8			3			
92.5	93.0		83462			17.0			2½			
93.0	93.5		83463			45.7			5½			
94.0	94.5		83464			55.2			1			
94.5	95.0		83465			55.1			1½			

AREA - Henvetta

HOLE NO. RH-2089

FORDING COAL LIMITED

FORDING RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
95.0	95.5		83466			18.9			3			
95.5	96.0		83467			11.0			6½			
96.0	96.5	036 Comp	83468			32.5			1			
96.5	97.0		83469			22.0			1			
97.0	97.5		83470			24.0			1½			
97.5	98.0		83471			21.5			1½			
98.0	98.5		83472			61.2			1			
98.5	99.0		83473			68.2			1			1.32
99.0	99.5	037 Comp	83474			31.4			2			
99.5	100.0		83475			33.5			2			
				Compo*36	0.60	20.5	18.30		2	.51		
				Compo*37	0.60	33.0	16.48		2	.44		
137.0	137.5		83076			69.5			1			
137.5	138.0		83077			72.7			1			
141.5	142.0	038 Comp	83078			21.6			7			
142.0	142.5		83079			28.6			6½			
				Compo*38	0.42	25.2	19.21		6½	.75		
				Compo*39	0.59	37.8	17.11		4½	1.24		
143.0	143.5	039 prox	83080			38.2			4½			
143.5	144.0		83081			50.0			1			
144.0	144.5		83082			69.2			1			
144.5	145.0	040 Prox	83083			29.9			5			
146.0	145.5		83084			66.6			1			
				Compo*40	0.53	30.2	17.22		5	.78		
				Compo*41	0.27	45.6	18.5		1½	9.70		
148.0	148.5		83085			53.4			2			
148.5	149.0	041 Prox	83086			45.6			2			
149.0	149.5		83087			56.8			1			
149.5	150.0		83088			74.4			1			
150.5	151.0		83089			34.6			2			
151.0	151.5	042 Comp	83090			53.4			1			
151.5	152.0		83091			40.9			1			
152.0	152.5		83092			57.8			1			
152.5	153.0		83093			78.0			0			
				Compo*42	0.35	42.3	15.2		1	.50		

AREA - Henretta

HOLE NO. RH-2089

R.H 2090 - Henvetta

ROTARY DRILL HOLE SAMPLING RECORD

COAL LIMITED

FORDING VER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
34·5	35·0		83026			77.8			½			
46·5	47·0		83027			10.8			1½			
47·0	47·5		83028			10.4			7			
47·5	48·0		83029			11.1			6½			
48·0	48·5		83030			46.4			3			
48·5	49·0		83031			59.6			1			
49·0	49·5		83032			8.1			8			
49·5	50·0		83033			6.8			6			
50·0	50·5		83034			8.8			7⅓			
50·5	51·0	DC Comp	83035			10.8			6⅓			1·21
51·0	51·5		83036			16.0			7½			
51·5	52·0		83037			12.6			7½			
52·0	52·5		83038			12.1			7½			
52·5	53·0		83039			10.8			7½			
53·0	53·5		83040			8.1			6⅓			
				Comp #65	0.46	16.6	24.12		6	·52		
59·5	60·0		83041			70.0			1			
60·5	61·0		83042			64.9			1			
77·5	78·0		83043			14.0			2		3 Roma	
78·0	78·5	Hole Comp	83044			21.7			4			
78·5	79·0		83045			16.1			5½			
79·0	79·5		83046			62.0			1½			
				Comp #66	0.35	17.0	20.11		3½	·87		1·24
83·5	84·0		83048			62.0			1½			

AREA - Henvetta PTH THK

HOLE NO. RH-2090

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.m.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
95·5	96·0		83049			21.6			2½			
96·0	96·5		83050			27.4			1½			
96·5	97·0	067 Compº	83476			30.9			2			
97·0	97·5		83477			34.0			6			
97·5	98·0		83478			58.0			1½			
98·0	98·5		83479			66.5			1½			1·24
98·5	99·0		83480			82.4			0			
				Compº#67	0.41	26.5	18.56		2½	.64		
101·5	102·0		83481			62.6			1			
102·0	102·5		83482			76.0			0			
103·5	104·0		83483			58.2			2½			
104·5	105·0		83484			70.9			1			
113·0	113·5		83485			46.4			3			
113·5	114·0		83486			31.0			7			
114·0	114·5		83487			36.5			4			
114·5	115·0	068 Compº	83488			28.0			2½			
115·0	115·5		83489			43.6			4			
				Compº#68	0.36	36.7	17.56		5	.82		1·26
116·5	117·0		83490			74.0			1			
117·5	118·0		83491			37.6			6½			
118·0	118·5		83492			38.0			7			
126·0	126·5		83493			69.8			1			
127·0	127·5	069 Prox	83494			41.0			5			
				Compº#69	0.43	41.0	17.22		5	.62		

AREA- Henrietta

HOLE NO. RH-2090

R.H 2090

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
128.5	129.0		83495			66.6			1			
129.0	129.5		83496			24.9			6½			
129.5	130.0		83497			43.0			5½			
130.0	130.5	010 Compo	83498			25.2			6½			$R_{o\ max}$
130.5	131.0		83499			19.6			7			
131.0	131.5		83500			18.2			2½			
				Compo#70	0.39	26.6	19.84		5½	1.29		1.27
133.0	133.5		83101			45.4			1			
133.5	134.0		83102			51.8			1			
134.0	134.5	011 Compo	83103			14.8			2½			
134.5	135.0		83104			24.9			1			
135.5	136.0		83105			37.4			½			
136.0	136.5		83106			51.8			1			
				Compo#71	0.50	35.4	17.1		1½	.47		
143.0	143.5		83107			87.2			1			
150.0	150.5		83108			75.1			1			
162.0	162.5		83109			68.6			1			
164.5	165.0		83110			40.6			5			
165.0	165.5	012 Compo	83111			41.4			4½			
165.5	166.0		83112			46.3			1			
				Compo#72	0.43	43.2	15.6		3	.55		

AREA - Henvetten

PAGE NO. 3 of 3

HOLE NO. RH-2090

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
27·0	27·5		83126			23.8			6½			
27·5	28·0		83127			9.2			7½			
28·0	28·5		83128			6.4			8			
28·5	29·0		83129			10.1			7½			
29·0	29·5	Off Compo	83130			50.8			3½			$R_{o\,max}$
29·5	30·0		83131			8.0			7½			
30·0	30·5		83132			8.7			8			1.07
30·5	31·0		83133			60.8			3			
31·0	31·5		83134			52.0			3½			
				Compo#76	0.59	16.8	26.3		7½	.79		
32·0	32·5		83135				NO SAMPLE					
32·5	33·0		83136			55.8			3			
33·5	34·0		83137			18.4			7½			
34·0	34·5		83138			28.7			6			
34·5	35·0		83139			30.4			6½			
35·0	35·5		83140			15.2			8			
35·5	36·0	Off Compo	83141			33.0			6½			
36·0	36·5		83142			67.6			1			
36·5	37·0		83143			17.4			7½			
37·0	37·5		83199			46.3			5½			
				Compo#77	0.61	32.1	23.0		6½	.58		
				Compo#78	0.54	21.4	22.3		5	.57		
76·0	76·5		83145			6.6			7½			
76·5	77·0		83146			7.2			7½			
77·0	77·5		83147			12.1			5			
77·5	78·0		83148			14.2			6½			
78·0	78·5		83149			11.1			6½			
78·5	79·0		83150			13.8			6			$R_{o\,max}$
79·0	79·5	Off Compo	82976			10.2			4			
79·5	80·0		82977			9.3			1½			1.16
80·0	80·5		82978			40.0			3			
80·5	81·0		82979			42.8			3			
81·0	81·5		82980			37.1			2½			
81·5	82·0		82981			35.5			4½			
82·0	82·5		82982			34.2			6			

AREA - Henvetta

HOLE NO. RH-2091

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING FIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
82.5	83.0		82983			55.2			1			

AREA - Henvetta

PAGE NO. 2 of 2

HOLE NO. RH - 2091

COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
42·0	42·5	055 Campo	82984			15.2			8			
42·5	43·0		82985			62.2			2½			
				Campo #55	0.45	14.8	27.2		8	.56		
56·0	56·5	056 Campo	82986			30.2			5			Romac
56·5	57·0		82987			25.2			7			
57·0	57·5		82988			25.6			7			
57·5	58·0		82989			66.8			1			
				Campo #56	0.35	27.5	23.5		6½	.72		100 ft
66·5	67·0		82990			57.6			1			
89·0	89·5	067 Campo	82991			28.8			4			
89·5	90·0		82992			52.0			2½			
90·0	90·5		82993			25.0			4½			
90·5	91·0		82994			24.0			5			
91·0	91·5		82995			27.0			5½			
91·5	92·0		82996			34.5			2½			
92·0	92·5		82997			42.8			1½			
92·5	93·0		82998			42.3			2			Romac
93·0	93·5		82999			34.8			4			
93·5	94·0		83000			35.2			3½			
94·0	94·5		83001			23.7			6			
94·5	95·0		83002			21.7			6½			
95·0	95·5		83003			48.9			5			115
95·5	96·0		83004			15.4			7½			
96·0	96·5		83005			16.0			7½			
96·5	97·0		83006			16.1			8			
				Campo #57	0.47	29.6	20.2		5	.92		
				Campo #8	0.50	16.1	22.9		7	.53		
98·0	98·5	056 Campo	83007			18.2			6½			
98·5	99·0		83008			9.6			8			
99·0	99·5		83009			14.4			8			
99·5	100·0		83010			10.6			7			
100·0	100·5		83011			16.3			6			
100·5	101·0		83012			12.8			7			

AREA- Hennetta

PAGE NO. 1 of ____

HOLE NO. - RH- 2092

COAL LIMITED

FORDING - RIVER OPERATIONS

ROTARY DRILL HOLE SAMPLING RECORD

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.c.d.)	REMARKS
101.0	101.5		83013			18.4			7½			
101.5	102.0		83014			21.0			6			
102.0	102.5		83015			27.8			6½			
				Composite	0.39	22.5	21.4		6½	.82		
109.0	109.5	059 Coupe	83016			18.4			6½			
109.5	110.0		83017			27.2			6½			

AREA - Henvette

PAGE NO. 2 of 2

HOLE NO. RH-2092

R.H. 2093 Henretta — ROTARY DRILL HOLE SAMPLING RECORD — FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
14.0	14.5		81626			NO SAMPLE						
37.0	37.5		81627			41.4			5½			
37.5	38.0		81628			35.6			6			
38.0	38.5		81629			18.4			7½			
38.5	39.0	014 Compo	81630			18.6			7½			
39.0	39.5		81631			6.5			8			
39.5	40.0		81632			24.0			6½			1.10
40.0	40.5		81633			81.5			0			
				Compo #14	0.80	25.9	24.5		7	.62		
43.0	43.5		81634			55.2			4			
43.5	44.0		81635			48.5			6			
44.0	44.5		81636			68.4			3			
44.5	45.0		81637			76.3			1			
57.0	57.5		81638			77.6			0			
57.5	58.0		81639			77.6			0			
60.5	61.0	015 Prox	81640			15.6			7½			
61.0	61.5		81641			64.6			3			
61.5	62.0		81642			80.3			0			
				Compo #15	0.70	15.6	25.3		7½	1.01		
69.0	64.5		81643			64.0			1½			
69.5	65.0		81644			58.3			1½			
65.0	65.5		81645			83.1			0			
91.5	92.0		81646			43.4			5			
92.0	92.5		81647			39.5			5½			
92.5	93.0		81648			39.1			7			

AREA - Henretta

HOLE NO. RH-2093

RH 2093 Henretta — ROTARY DRILL HOLE SAMPLING RECORD — FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	C.T.C. (Actual / c.d.b.)	REMARKS
93.0	93.5		81649			13.8			7			
93.5	94.0		81650			15.9			7			
94.0	94.5		81651			13.4			6½			
94.5	95.0		81652			28.4			4			
95.0	95.5		81653			30.4			4½			
95.5	96.0		81654			46.0			4½			
96.0	96.5		81655			38.2			3			
96.5	97.0		81656			71.3			1½			
97.0	97.5		81657			36.6			7½			
97.5	98.0		81658			8.1			8			
98.0	98.5		81659			9.7			7½			
98.5	99.0		81660			68.5			½			
99.0	99.5		81661			39.1			1½			
99.5	100.0		81662			12.5			8			
100.0	100.5		81663			10.6			8			
100.5	101.0	Ute Comp	81664			17.4			7½			
101.0	101.5		81665			16.3			7½			
101.5	102.0		81666			11.2			5½			
102.0	102.5		81667			14.9			3½			
102.5	103.0		81668			16.8			3½			
103.0	103.5		81669			51.4			3½			
103.5	104.0		81670			21.4			7			
104.0	104.5		81671			65.0			1½			
				Comp #16	0.70	27.9	20.8		6	.49		
108.0	108.5		81672			80.0			1			
108.5	109.0		81673			82.2			1			
113.5	114.0		81674			61.0			1			
114.0	114.5		81675			66.6			1			

AREA = Henretta — PAGE NO. 2 of 2 — HOLE NO. RH-2093

RH [illegible] 51 - Henretta ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / e.d.b.)	REMARKS
54.0	54.5		81776			30.0			6½			
54.5	55.0		81777			33.2			6½			
55.0	55.5		81778			57.6			2½			
55.5	56.0		81779			33.9			5½			
56.0	56.5	Compo 001	81780			8.3			8			
56.5	57.0	Compo 2	81781			30.6			7		Ro max	
57.0	57.5		81782			6.9			7½			
57.5	58.0		81783			21.6			7			
58.0	58.5		81784			10.3			6½			1.09
58.5	59.0		81785			42.0			5			
59.0	59.5		81786			44.4			5½			
59.5	60.0		81787			48.2			4½			
60.0	60.5		81788			55.7			2½			
				Compo #1	0.70	25.2	24.9		7	.58		
				✓ #2	0.60	30.3	23.4		6	.59		

AREA - Henretta

PAGE NO. 1 of 1 HOLE NO. RH-2151

H 2152 Henretta

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
12·5	13·0		83276			21.6			7			
13·0	13·5		83277			15.0			8			
13·5	14·0		83278			9.7			7½			
14·0	14·5	060 Compo	83279			17.6			7			
14·5	15·0		83280			3.8			7			
15·0	15·5		83281			6.7			1			
15·5	16·0		83282			69.5			1½			
16·0	16·5		83283			61.2			1½			
16·5	17·0		83284			70.2			2			
17·0	17·5		83285			10.2			7			
17·5	18·0		83286			4.8			8			
18·0	18·5		83287			15.6			8			
18·5	19·0		83288			8.6			8			
19·0	19·5		83289			3.8			8			
19·5	20·0		83290			15.0			7½		Ro max	
20·0	20·5	Compo	83291			9.5			7			
20·5	21·0		83292			14.6			8			1.12
21·0	21·5	06	83293			25.5			7½			
21·5	22·0		83294			23.0			7			
22·0	22·5		83295			38.9			6½			
22·5	23·0		83296			82.1			0			
				Compo #60	0.37	19.2	24.4		7½	.71		
				Compo #61	0.56	15.7	25.13		7	.64		
				Compo #62	0.57	13.1	23.02		6½	.53		
62·0	62·5		83297			57.0			1			
62·5	63·0		83298			19.4			6½			
63·0	63·5		83299			4.0			8			
63·5	64·0		83300			8.0			8			
64·0	64·5		81851			4.2			8			
64·5	65·0		81852			9.6			7½			
65·0	65·5		81853			9.5			7		Compo	
65·5	66·0		81854			6.4			4½			
66·0	66·5	Compo	81855			10.3			6½			
66·5	67·0		81856			58.2			2			1.21
67·0	67·5	Cont	81857			18.8			7½			
67·5	68·0		81858			14.6			4½			
68·0	68·5		81859			5.8			7½			
68·5	69·0		81860			4.5			7½			
69·0	69·5		81861			49.2			5			
69·5	70·0		81862			64.4			1			
70·0	70·5		81863			55.1			2½			

AREA - Henretta

HOLE NO. RH - 2152

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
70.5	71.0		81864			6.30			1			
72.0	72.5		81865			55.8			2			
72.5	73.0	Coal Compo #63	81866			11.6			8			
73.0	73.5		81867			6.0			8			
				Compo #63	0.43	9.40	25.41		8	.87		
74.5	75.0		81868			62.4			1			
75.0	76.5		81869			66.0			1			
83.0	83.5		81870			26.6			3			
83.5	84.0		81871			23.5			5			
84.0	84.5	Coal Compo #64	81872			17.5			6			
84.5	85.0		81873			11.1			7			
85.0	85.5		81874			50.2			5			
85.5	86.0		81875			53.1			3			
				Compo #64	0.39	19.8	20.78		6	.70		

Ro max 1.27

AREA - Henretta

PAGE NO. 2 of 2

HOLE NO. RH-2152

RH 2153 Henvetta — ROTARY DRILL HOLE SAMPLING RECORD — FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T. (Actual / Std. D.)	REMARKS
9.0	9.5	046 Coup	81826			38.2			1			
9.5	10.0		81827			60.4			1			199D
10.0	10.5		81828			63.4			1			
				Compo #46	0.64	38.7	18.5		1	.57		
				Compo #47	0.36	38.6	20.2		3½	.52		
25.0	25.5	047 Coup	81829			38.8			3½			
25.5	26.0		81830			66.9			1			190D
26.0	26.5		81831			77.2			1			
26.5	27.0		81832			25.2			4½		$R_{o\,max}$	
27.0	27.5		81833			35.1			4½			130D
27.5	28.0	048 Coup	81834			28.8			5½			
28.0	28.5		81835			7.4			8			
28.5	29.0		81836			36.0			5½			
29.0	29.5		81837			70.0			1			1.06
				Compo #48	0.39	26.8	26.4		6	.56		
75.0	75.5		81838			70.2			1			
75.5	76.0		81839			55.0			3			
				Compo #49	0.35	30.4	23.5		6	.72		
				Compo #50	0.30	18.5	25.4		7	.53		
107.0	107.5		81840			42.8			3			
107.5	108.0		81841			38.5			3½			
108.0	108.5		81842			20.2			5½			120D
108.5	109.0		81843			31.8			7½			
109.0	109.5	049 Coup	81844			31.6			6½		$R_{o\,max}$	
109.5	110.0		81845			35.6			5			
110.0	110.5		81846			8.8			7½			
110.5	111.0		81847			39.8			5			
111.0	111.5		81848			79.8			0		1.06	
111.5	112.0		81849			68.0			1			
112.0	112.5		81850			70.6			1			
112.5	113.0		83301			62.9			1			
113.0	113.5		83302			79.6			½			194D
113.5	114.0		83303			74.6			1			
114.0	114.5		83304			8.6			7½			
114.5	115.0	050 Coup	83305			14.7			7½			
115.0	115.5		83306			32.0			3½			
116.5	116.0		83307			64.2			1			

AREA - Henvetta — PAGE NO. 1 of 2 — HOLE NO. RH-2153

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	T.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T. (Actual / Std.D.)	REMARKS
116·0	116·5		83313			66.2			1			
116·5	117·0		83308			27.1			6			
117·0	117·5	Compo #1	83309			72.0			1			
117·5	118·0		83310			45.4			4½			
118·0	118·5	052 Compo	83311			53.6			7½			
118·5	119·0		83312			15.2			6			
				Compo #51	0·50	37.1	21.7		5	·36		122D
				Compo #52	0.43	27.7	24.1		6	·57		
128·0	128·5		83314			73.1			1			
128·5	129·0		83315			77.2			1			
155·0	155·5		83316			28.4			4½			
155·5	156·0		83317			9.0			7½			
156·0	156·5	053 Compo	83318			8.0			7½			
156·5	157·0		83319			8.0			7½			
157·0	157·5		83320			12.0			7½			
157·5	158·0		83321			8.0			8			
158·0	158·5		83322			3.6			8			
158·5	159·0		83323			11.4			7½			
159·0	159·5		83324			69.5						
				Compo #53	0.32	12.3	24.0		7½	·72		
161·5	162·0		83325			14.3			6½			
162·0	162·5		81801			22.0			6½			
162·5	163·0		81802			11.2			7			
163·0	163·5	054 Compo	81803			6.8			8			
163·5	164·0		81804			7.6			8			
164·0	164·5		81805			20.0			7			
164·5	165·0		81806			20.6			6½			
165·0	165·5		81807			9.8			6½			
165·0	166·0		81808			22.0			7			
166·0	166·5		81809			68.8			1			
166·5	167·0		81810			77.4			0			
				Compo #54	0.45	14.2	22.3		6½	·53		

$R_{o\,max}$ 111D 1.21

$R_{o\,max}$ 110D 1.19

AREA - Henrietta

PAGE NO. 2 of 2

HOLE NO. RH-2153

RH 2154 Henvetta

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
44.5	45.0		832 51			65.1			1			
45.0	45.5		832 52			69.6			1			
54.5	55.0		832 53			65.7			1			
105.5	106.0		832 54			16.0			2			
106.0	106.5		832 55			16.4			2			
106.5	107.0		832 56			11.5			2			
107.0	107.5		832 57			13.7			1			
107.5	108.0		832 58			12.0			1 1/2			
108.0	108.5		832 59			18.2			2 1/2			
108.5	109.0		832 60			14.2			1 1/2			
109.0	109.5		832 61			13.4			1 1/2			
109.5	110.0		832 62			34.2			2 1/2			
110.0	110.5		832 63			59.6			1			
110.5	111.0		832 64			69.6			1			
111.0	111.5		832 65			26.5			1			
111.5	112.0		832 66			57.3			1			
112.0	112.5		832 67			33.4			1			
112.5	113.0		832 68			19.2			2			
113.0	113.5		832 69			18.6			1 1/2			
113.5	114.0		832 70			64.6			1			
				Comp #24	0.60	16.3	17.46		1 1/2	.36		
				Comp #25	0.54	31.4	15.54		1 1/2	.39		

AREA - Henvetta

PAGE NO. 1 of 1

HOLE NO. RH - 2154

RH 2155 Henretta — ROTARY DRILL HOLE SAMPLING RECORD — FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
55.0	55.5	083 prox <	81676			37.4			7			
				Compo #83	0.40	27.7	24.2		7½	1.02		
77.0	77.5		81677			70.8			0			
77.5	78.0	084 Compo <	81678			30.0			7½			
78.0	78.5		81679			9.4			7½			
78.5	79.0		81680			71.8			1			
79.0	79.5		81681			67.2			1			
79.5	80.0		81682			63.9			1½			
80.0	80.5		81683			75.7			0			
80.5	81.0		81684			66.4			2½			
81.0	81.5		81685			80.2			0			
81.5	82.0		81686			58.2			2½			
82.0	82.5	085 prox <	81687			38.4			5½			
82.5	83.0		81688			57.0			4			
83.0	83.5		81689			70.4			1			
				Compo #84	0.35	19.8	24.4		7½	.59		
				Compo #85	0.50	37.9	20.2		5½	.60		
91.0	91.5		81690			31.0			5½			
91.5	92.0	086 Compo <	81691			26.0			6½			
92.0	92.5		81692			20.0			8			
				Compo #86	0.64	25.7	23.4		7½	.89		1.07
93.5	94.0		81693			48.8			5			
94.0	94.5		81694			50.4			6			
94.5	95.0		81695			63.6			3½			
95.0	95.5		81696			63.6			3			

AREA - Henretta

PAGE NO. 1 of 1

HOLE NO. RH-2155

RH. 2156

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATION

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.M.	F.C.	F.S.I.	S	B.T.U. (Actual / Calc'd.)	REMARKS
28.0	28.5		81726			76.2			0			
29.5	30.0		81727			18.3			6½			
30.0	30.5		728			6.0			7½			
30.5	31.0		729			4.3			7½			
31.0	31.5		730			6.1			7			
31.5	32.0		731			9.8			7½			
32.0	32.5		732			9.0			7			
32.5	33.0	079 Compo	733			9.4			5		R_o max	
33.0	33.5		734				— No sample —					
33.5	34.0		735			8.0			7½			
34.0	34.5		736			24.5			5½			1.16
34.5	35.0		737			10.6			7			
35.0	35.5		738			5.4			8			
35.5	36.0		739			5.1			9			
36.0	36.5		740			32.4			3½			
36.5	37.0		81741			47.6			2½			
				Compo #79	1.32	9.5	23.4		7½	.65		
41.5	42.0	080 prox	81742			9.9			8½			
				Compo #80	0.31	9.7	26.8		8½	1.00		
53.5	54.0		81743			37.6			2½			
54.0	54.5	081 Compo	744			38.7			1			
54.5	55.0		745			13.3			5		R_o max	1.18
55.0	55.5		746			18.1			7½			
55.5	56.0		747			73.8			0			
56.0	56.5		748			71.8			1			
56.5	57.0		81749			78.2			0			
				Compo #81	0.30	26.4	19.7		5	.70		
60.0	60.5		81750			76.8			0			
64.0	64.5	↓	81751			35.2			7			

AREA - Henvetta

HOLE NO. RH-2156

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.M.	F.C.	F.S.I.	S	L.T.U. (Actual / c.d.b.)	REMARKS
64.5	65.0	082 Comp	81752			45.9			3½			
65.0	65.5		753			16.8			7½			
65.5	66.0		81754			51.0			7½			
				Comp #82	0.30	32.7	20.6		6½	.84		
69.5	70.0		81755			54.5			2			

AREA Henvetta

HOLE NO. RH-2156

R.H. 2157 Henvetta ROTARY DRILL HOLE SAMPLING RECORD FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / M.A.F.)	REMARKS
45.0	45.5	081 Comp	81952			18.2			8			
45.5	46.0		81953			27.6			7			
46.0	46.5		81954			35.4			7			
46.5	47.0		81955			31.3			7			
47.0	47.5		81956			34.2			7			
47.5	48.0		81957			67.8			1			1.18
				Comp #87	0.62	29.3	20.2		7	87		
49.5	50.0	088 Comp	81958			41.8			5			
50.5	51.0		81959			40.2			7			
				Comp #88	0.54	41.2	17.5		6	81		

AREA - Henvetta PAGE NO. 1 of ___ HOLE NO. FRH-2157

R.H. 2158

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C. m.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
37.0	37.5		83327			5.0			7½			
37.5	38.0		83328			9.7			7½			
38.0	38.5	013 Comp	83329			8.0			7½	3R6		
38.5	39.0		83330			9.6			7½		max	
39.0	39.5		83331			24.2			8			1.13
39.5	40.0		83332			53.8			3½			
40.0	40.5		83333			108.8			1½			
40.5	41.0		83334			69.1			1			
41.0	41.5		83335			65.2			1			
				Compo#73	0.58	11.6	26.7		7½	.56		
42.5	43.0		83336			13.7			8			
43.0	43.5		83337			9.0			8			
43.5	44.0		83338			46.9			4			
44.0	44.5	014 Comp	83339			64.6			1			
44.5	45.0		83340			14.9			7½			
45.0	45.5		83341			11.2			7½			
45.5	46.0		83342			52.4			3			
				Compo#74	0.63	26.9	24.04		7	.65		
48.0	48.5	015 Comp	83343			15.3			8			
48.5	49.0		83344			23.3			5			
				Compo#75	0.54	20.0	26.7		7	.84		
54.5	55.0		83345			77.3			0			
55.0	55.5		83346			76.5			1			
59.0	59.5		83347			78.6			0			
59.5	60.0		83348			65.5			1			
62.0	62.5		83349			70.0			1			

AREA - Henretta

PAGE NO. 1 of 1

HOLE NO. RH-2158

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

RH 2159 Henretta

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.M.	F.C.	F.S.I.	S	B.T.U. (Actual / Calc.d.)	REMARKS
16.0	16.5		81901			18.0			8			
16.5	17.0		81902			9.8			8			
17.0	17.5		81903			3.9			9			
17.5	18.0		81904			7.7			8			
18.0	18.5		81905			7.9			8			
18.5	19.0	089 Comp	81906			6.3			8½			
19.0	19.5		81907			9.8			2			
19.5	20.0		81908			8.0			8½			
20.0	20.5		81909			37.3			6½			1014
20.5	21.0		81910			6.3			7			
21.0	21.5		81911			48.0			5½			
				Comp #89	0.70	11.4	24.5		7½	.59		
29.0	32.5		81912			59.4			2			
32.0	32.5		81913			51.8			3			
35.5	36.0		81914			52.7			1			
46.5	47.0		81915			36.5			5			
47.0	47.5		81916			31.6			4			
47.5	48.0	090 Comp	81917			10.8			4			
48.0	48.5		81918			7.2			8½			
48.5	49.0		81919			47.0			4			
49.0	49.5		81920			65.3			1			
				Comp #90	0.45	26.7	19.4		6	.58		
55.5	56.0		81921			25.2			5½			
56.0	56.5		81922			35.8			3			
56.5	57.0	091 Comp	81923			34.3			3			
57.0	57.5		81924			18.9			7½			
57.5	58.0		81925			55.7			1			
				Comp #91	0.40	29.0	20.5		6	1.00		

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AREA - Henretta

PAGE NO. 1 of 1

HOLE NO. RH-2159

R.H. 2160 Henvetta

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.M.	F.C.	F.S.I.	S	B.T.U. (Actual / C.d.b.)	REMARKS
21.5	22.0		81926			62.8			1			
22.0	22.5		81927			38.0			4½			
22.5	23.0		81928			41			7½			
23.0	23.5		81929			5.9			7½			
23.5	24.0		81930			10.3			7½			
24.0	24.5		81931			8.7			7½			
24.5	25.0	092 Compo	81932			11.6			7½			
25.0	25.5		81933			7.5			8			
25.5	26.0		81934			46.7			2			
26.0	26.5		81935			14.1			7½			
26.5	27.0		81936			7.0			6			
27.0	27.5		81937			5.0			6½			
27.5	28.0		81938			54.1			3			
				Compo #92	0.53	14.5	22.1		7	.58		
31.5	32.0		81939			65.8			1			
32.0	32.5		81940			10.0			7½			
32.5	33.0	093 Compo	81941			24.9			7½			
				Compo #93	0.50	17.50	21.8		7½	.96		
41.0	41.5		81942			25.4			3½			
41.5	42.0	094 Compo	81943			31.0			7½			
42.0	42.5		81944			27.0			5			
42.5	43.0		81945			53.9			2			
				Compo #94	0.62	28.0	18.1		6	.67		
57.0	57.5		81946			56.2			2½			
57.5	58.0		81947			30.3			6½			
58.0	58.5		81948			34.2			1½			
58.5	59.0	095 Compo	81949			39.9			5			
59.0	59.5		81950			38.1			5½			
59.5	60.0		81976			32.6			6½			
				Compo #95	0.67	34.1	17.6		6	.81		
65.0	65.5		81977			46.1			5½			

AREA - Henvetta

HOLE NO. RH-2160

RH, 2161 Henretta ROTARY DRILL HOLE SAMPLING RECORD FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
12.0	12.5		83201			60.6			1			
13.0	13.5		83202			55.8			2½			
13.5	14.0		83203			69.3			3½			
14.0	14.5		83204			58.1			3½			
14.5	15.0		83205			63.6			2½			
15.0	15.5		83206			46.6			4			
15.5	16.0		83207			44.5			4½			
16.0	16.5		83208			30.7			2			
16.5	17.0		83209			25.8			3½			
17.0	17.5		83210			58.0			4½			1-30
				Combo #26	0.63	37.9	19.17		3	.93		
18.0	18.5		83211			13.3			7			
18.5	19.0		83212			11.2			7			
19.0	19.5		83213				NO SAMPLE					
19.5	20.0		83214			44.6			1			
				Combo #27	0.51	22.6	21.23		6	.52		
21.0	21.5		83215			58.5			2½			
22.5	23.0		83216			48.9			½			
23.0	23.5		83217			67.6			0			
24.0	24.5		83218			88.9			0			
29.0	29.5		83219			78.4			0			
29.5	30.0		83220			81.6			½			

AREA - Henretta PAGE NO. 1 of 2 HOLE NO. RH-2161

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C. m.m.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
31.0	31.5		83221			75.7			0			
31.5	32.0		83222			68.0			1			
44.0	44.5	07A Coal	83223			42.9			1			
44.5	45.0		83224			20.7			3			
45.0	45.5		83225			63.6			1½			
				Comp #28	0.56	31.2	18.47		2	0.70		
54.0	54.5		83226			75.2			1			
97.0	97.5		83227			61.2			1			
97.5	98.0		83228			20.8			1			
98.0	98.5		83229			67.4			1			
98.5	99.0		83230			69.8			1			
104.0	104.5		83231			73.2			½			
104.5	105.0		83232			71.1			1			
115.0	115.5		83233			83.2			0			
115.5	116.0		83234			81.2			0			
116.0	116.5	07A Coal	83235			23.4			6½			3 Roof
116.5	117.0		83236			25.2			6½			
117.0	117.5		83237			32.8			4			
117.5	118.0		83238			80.9			½			
118.0	118.5		83239			77.3			0			1.37
118.5	119.0		83240			71.8			½			
				Comp #29	0.57	28.3	17.93		6½	.67		
122.0	122.5		83241			85.8			0			
122.5	123.0		83242			85.1			0			
123.0	123.5		83243			89.8			0			
123.5	124.0		83244			90.0			0			

AREA - Henretta

HOLE NO. RH-2161

R.H. 2162 Henvetta ROTARY DRILL HOLE SAMPLING RECORD FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	I.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
24.5	25.0		83351			6.0			7½			
25.0	25.5		83352			5.2			7½			
25.5	26.0		83353			15.2			7			
26.0	26.5	Comp 009	83354			7.1			7½			
26.5	27.0		83355			10.4			7			
27.0	27.5		83356			9.0			7			
27.5	28.0		83357			8.7			7½			
28.0	28.5		83358			42.9			4			Rough
28.5	29.0	Comp 008	83359			14.7			6½			
29.0	29.5		83360			66.9			1			
29.5	30.0		83361			13.0			7			1.17
30.0	30.5		83362			7.8			7½			
30.5	31.0	010 Comp	83363			12.8			7			
31.0	31.5		83364			30.9			6½			
31.5	32.0		83365			16.0			7			
32.0	32.5		83366			19.0			7½			
				Comp#8	0.70	17.8	22.8		6½	.56		
				" #9	0.60	8.8	24.8		7	.51		
				" #10	0.70	17.2	22.3		7	.66		
41.0	41.5		83367			40.5			6½			
44.0	44.5		83368			56.5			3			
44.5	45.0	011 Comp	83369			24.8			7			
45.0	45.5		83370			24.8			7½			
				Comp#11	0.50	24.8	21.9		7	.81		
47.5	48.0		83371			15.0			3			
48.0	48.5	Comp 013	372			20.8			2			
48.5	49.0		373			24.2			7			Rock
49.0	49.5		374			56.1			1			
49.5	50.0	Comp 012	83375			39.9			3½			
50.0	50.5		83326			25.8			5			1.24
				Comp#12	0.60	30.0	18.0		3	.56		
				Comp#13	0.50	20.2	20.2		4	.62		

AREA - Henvetta PAGE NO. 1 of 1 HOLE NO. RH-2162

RH 2163 Henretta

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
21.0	21.5		83176			79.5			0			
21.5	22.0		83177			26.7			6½			
22.0	22.5		83178			16.2			7			
22.5	23.0		83179			10.2			7			
23.5	23.5		83180			9.6			7			
23.5	24.0		83181			29.0			4			
24.0	24.5		83182			10.2			6½			
24.5	25.0		83183			12.0			6½			
25.0	25.5	Comp 002	83184			6.8			6½		Rmax	
25.5	26.0		83185			8.8			5			1.19
26.0	26.5		83186				NO SAMPLE					
26.5	27.0		83187			9.2			5½			
27.0	27.5		83188			25.4			5½			
27.5	28.0		83189			25.4			4½			
28.0	28.5		83190			8.2			7½			
28.5	29.0		83191			7.3			8½			
29.0	29.5		83192			7.3			7½			
29.5	30.0		83193			6.6			7½			
				Comp #3	0.6	13.3	23.4		6	.48		
32.5	33.0		83194			38.6			7½			

AREA - Henretta

PAGE NO. 1 of 1

HOLE NO. RH-2163

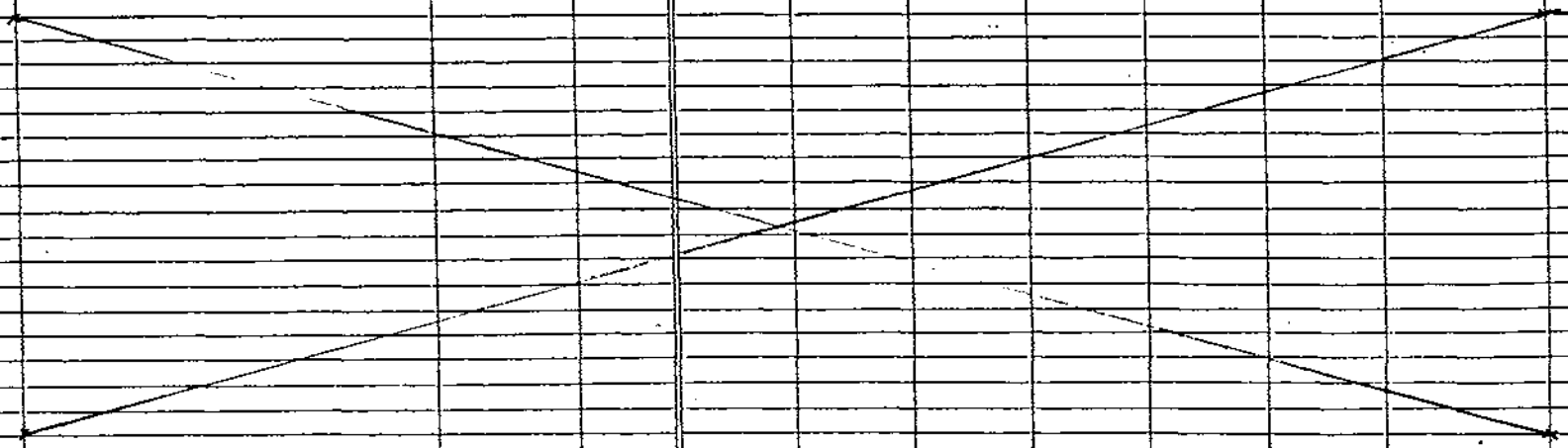
R.H. 2164 Henretta ROTARY DRILL HOLE SAMPLING RECORD FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	I.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
21.0	21.5	004 Comp	83415			21.6			7½			
21.5	22.0		83416			28.6			6½			
22.0	22.5		83417			27.2			5			
22.5	23.0		83418			64.5			1			
				Compo#4	0.70	26.2	22.3		6½	.91		
24.0	24.5	005 prox	83419			32.6			7½			
				Compo#5	0.60	32.2	21.3		7	.86		
48.0	48.5		83420			44.5			4½			
48.5	49.0		83421			56.7			2½			
49.0	49.5		422			50.0			4			
49.5	50.0		423			28.0			6½			
50.0	50.5	006 Comp	424			18.3			6			
50.5	51.0		83425			20.4			6½			
				Compo#6	0.40	19.8	23.5		6½	.67		
52.0	52.5		83151			21.9			2½		3 R.D.	
52.5	53.0		83152			22.1			2½			
53.0	53.5	007 Comp	83153			32.5			1			max
53.5	54.0		83154			37.0			1			1.28
54.0	54.5		83155			60.2			1			
54.5	55.0		83156			68.7			1			
55.0	55.5		83157			52.2			1			
				Compo#7	0.50	27.8	18.5		1½	.50		

AREA- Henretta PAGE NO. 1 of 1 HOLE NO. RH- 2164

R.H. 2165 Henretta ROTARY DRILL HOLE SAMPLING RECORD FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
41.0	41.5		83401			14.0			7½			
41.5	42.0		83402			10.0			7½			
42.0	42.5		83403			11.6			6½			
42.5	43.0		83404			10.0			5½			
43.0	43.5		83405			86.4			1½			
43.5	44.0		83406			44.6			3			
44.0	44.5		83407			13.8			8			
44.5	45.0		83408			12.1			8			
45.0	45.5		83409			12.9			7			
45.5	46.0		83410			26.8			7			
46.0	46.5		83411			14.6			7			
46.5	47.0		83412			32.2			7			1.20
				Compo #43	0.35	21.2	21.4		6½	.55		
				Compo #44	0.37	10.8	22.8		6½	.49		
				Compo #45	0.30	18.7	22.4		7	.66		
48.0	48.5		83413			81.3			0			
48.5	49.0		83414			80.9			0			



AREA - Henretta PAGE NO. 1 of 1 HOLE NO. RH-2165

RH 2166 Henretta ROTARY DRILL HOLE SAMPLING RECORD FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
30.5	31.0	017 Compo	83051			20.3			1			
31.0	31.5		83052			17.6			3			
31.5	32.0		83053			27.7			6			
32.0	32.5		83054			49.6			3½			
32.5	33.0		83055			71.0			1			
33.0	33.5		83056			87.0			0			
				Compo #17	0.5	22.3	19.3		3	.64		
35.0	35.5		83057			27.6			4½			
35.5	36.0		83058			56.0			2			
36.0	36.5		83059			45.6			5½			
42.0	42.5	018 Compo	83060			44.0			6			
42.5	43.0		83061			31.8			6			
43.0	43.5		83062			28.6			5⅓			
43.5	44.0		83063			36.7			3½			
44.0	44.5		83064			65.8			1			
				Compo #18	0.4	35.8	17.7		5	.77		
45.5	46.0		83065			62.0			1			
46.0	46.5		83067			51.3			4½			
54.5	55.0		83068			77.2			0			
56.0	56.5		83069			63.4			1			
58.0	58.5		83070			78.0			0			
58.5	59.0		83071			72.2			2			
59.0	59.5		83072			20.2			6½			
59.5	60.0	019 Compo	83073			18.4			7			
60.0	60.5		83074			22.7			2½			

over

AREA - Henretta

HOLE NO. RH-2166

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	I.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
60.5	61.0		83375			15.6			4			
61.0	61.5		83376			66.7			1			
61.5	62.0		83377			71.4			1			
				Compo #19	0.40	19.3	19.9		5½	.70		
63.0	63.5		83378			12.6			7			
63.5	64.0		83379			14.3			7			
64.0	64.5		83380			49.7			1			
64.5	65.0		83381			27.8			1			
65.0	65.5		83382			50.6			1			
65.5	66.0		83383			45.5			2½			
66.0	66.5		83384			53.6			1			
66.5	67.0		83385			38.0			2½			
				Compo #20	0.5	40.2	15.7		2½	.45		
78.0	78.5		83386			7.3			0			
78.5	79.0		83387			30.0			6½			
79.0	79.5		83388			46.1			3½			
79.5	80.0		83389			31.3			5½			
80.0	80.5		83390			20.3			7			
80.5	81.0		83391			15.4			7			
81.0	81.5		83392			31.0			7			
81.5	82.0		83393			37.8			6½			
82.0	82.5		83394			23.5			3			
82.5	83.0		83395			16.0			7			
83.0	83.5		83396			63.6			1			
83.5	84.0		83397			57.0			1			
84.5	85.0		83398			29.4			6½			
85.0	85.5		83399			12.4			5			
85.5	86.0		83400			14.2			2			
86.0	86.5		83426			41.0			1			
86.5	87.0		83427			71.1			0			
87.0	87.5		83428			37.1			1½			
87.5	88.0		83429			66.0			1			
				Compo #21	0.79	27.6	18.99		6½	.80		
				#22	0.62	35.0	15.87		2	.46		
				#23	0.59	18.2	19.13		5	.59		

AREA - Henretta

PAGE NO. 2 of 2

HOLE NO. RH-2166

RH-2167

Fording COAL LIMITED

ROTARY DRILL HOLE SAMPLING RECORD

FORDING RIVER OPERATIONS

FROM	TO	DESCRIPTION	SAMPLE NUMBER	WIDTH	I.M.	ASH	V.C.M.	F.C.	F.S.I.	S	B.T.U. (Actual / a.d.b.)	REMARKS
20.5	21.0	096 prox	82001			37.8			6			
				Compo#96	0.71	37.8	18.7			.68		
47.0	47.5		82002			78.0			1			
53.5	54.0		82003			25.1			6½			
54.0	54.5		4			24.2			6½			
54.5	55.0		5			12.4			6			
55.0	55.5		6			10.5			5			
55.5	56.0		7			14.9			7		Romex	
56.0	56.5		8			11.9			8			
56.5	57.0	097 Compo	9			62.0			1½			
57.0	57.5		10			13.7			8			
57.5	58.0		11			7.4			7			1.18
58.0	58.5		12			6.3			7½			
58.5	59.0		13			30.9			7			
				Compo#97	0.65	20.6	20.4		5½	.51		
63.5	64.0		82014			76.4			1			
68.5	69.0		82015			53.1			1½			
69.0	69.5	1098 prox	16			20.4			7			
69.5	70.0		17			59.9			1½			
				Compo#98	0.63	20.5	20.9		7	1.24		
77.5	78.0		82018			21.7			1½			
78.0	78.5	099 Compo	19			20.9			2			
78.5	79.0		20			28.2			6			
79.0	79.5		21			16.9			1			
79.5	80.0		22			84.0			½			
				Compo#99	0.63	22.9	18.0		3	.71		
92.0	92.5		82023			32.0			7			
92.5	93.0	100 Compo	24			40.4			2½	3	Romex	
93.0	93.5		25			27.9			7			
				Compo#100	063	33.1	17.6		6	.86		1.19
96.5	97.0	101 Prox	81876			36.3			7			
97.0	97.5		77			64.4			3			
				Compo#101	0.64	36.8	16.8		7	.90		

PAGE NO. 1 of 1

HOLE NO. RH-2167

INTRODUCTION

Petrographic analyses were performed on four coal samples which arrived at the Coal Laboratory on September 16, 1988. Vitrinite reflectance analyses have been previously reported for these samples. The samples were described as follows:

Fording Coal Limited,

PG-88-084
PG-88-085
PG-88-086
PG-88-087

SAMPLE PREPARATION

The coal samples were coned and quartered and reduced to provide sufficient material for one pellet. This coal was then mixed with a thermoplastic and pelletized under slight pressure. The pellets were subsequently ground and polished on Beuhler equipment.

The polished samples were then immersed in a bath containing a solution of organic dye and potassium hydroxide. Using this technique, oxidized coal becomes stained an olive-green, whereas unoxidized coal remains unstained.

PETROGRAPHIC EXAMINATION

The polished samples were examined under an oil-immersion lens using a Leitz Orthoplan MPV Compact microscope-photometer. The control panel of the microscope and a Swift Automatic Point Counter are interfaced to a Hewlett-Packard 85 microcomputer, which captures the data. These data are then passed to a Hewlett-Packard 9816 microcomputer, an Apple LaserWriter printer and a Hewlett-Packard 7475A plotter for processing, printing and draughting of results.

The reflectance of one hundred individual vitrinite 'A' grains was measured in the rank analysis. Standardization of photometer-readout was performed before and after the analysis, if necessary. Maximum reflectance values were retained by the computer.

One thousand grains were counted during the maceral analysis, at a traverse interval of 0.5mm.

In this report, the following approach was used to identify reactive semifusinite.

> Final results of some recent research done in this laboratory on coking coals from Quintette Mine, Line Creek Mine and Fording River Mine, suggest that semifusinites should be regarded as reactive if their random reflectance is less than the mean random reflectance of the associated vitrinite 'A', plus 0.22.
>
> The actual threshold is determined by the following relationship:-
>
> Threshold reflectance (%) = 1.000 Romax + 0.2206
>
> By using this threshold value, predicted levels of Inertinite macerals are closest to those considered to have been present in the above-described coking coals when they were carbonized at CANMET's Laboratory in Ottawa. And by using such a threshold value among similar coals, confidence in predicted rheological and coking parameters should be improved.

The reflectance of each semifusinite maceral encountered during the maceral analysis was measured, and depending upon the result, was assigned to either the inert or reactive category. In the Appendix, this method of assigning reactive semifusinite is described as that of Pearson.

At the end of one thousand readings, the mean, standard deviation, variance and a correction for the mineral-matter content were electronically computed and printed.

During the maceral analysis, the random reflectance of each maceral was also determined, in polarized light, and these 1000 values were used to construct the reflectogram.

The Coke-Strength Rose shows the effect of different levels of inerts on coals of a specific vitrinite reflectance. The diagram shows the predicted coke strength for the determined level of inerts for the sample in question, and also the effects on the predicted coke strength of ±10% of the total inerts.

AUTOMATED REFLECTANCE ANALYSIS

After four years of in-house research, we have recently commissioned our Zeiss microscope photometer system, which is computer-controlled for automated petrographic analysis. In addition to our normal services, this system was also used to determine Total Inerts and vitrinite reflectance on these samples. Automated petrographic analysis using this equipment involves the determination of the average of five reflectance values taken at about 44000 contiguous locations, or about 210000 reflectance values spaced along a 22 centimetre line on a 2.5 cm diameter pellet.

During the analysis, all focussing and traversing of the sample is under computer control. The unfiltered data are then subjected to one-dimensional, digital image-analysis, which removes readings taken on the thermoplastic binder material, and also the erroneous reflectance readings measured at grain boundaries, and on scratched surfaces. The filtered data are then interpreted in the same manner as the manually prepared reflectograms, on the basis of a reflectance cut-off, the location of which is related to the location of the vitrinite peak. (Fine tuning of the filtering conditions is presently being evaluated). The resulting Digital Scanogram is highly-reproducible, and provides a "fingerprint" of the coal.

RESULTS

The results of all analyses are contained as Appendices, and are shown in the **Summary of Petrographic Analysis.**

For these samples the reported results are:-

* Reflectance values
* Reflectance statistics
* Vitrinite-type histogram
* 1000 Maceral counts
* Maceral statistics
* Maceral-distribution diagram
* 1000 - point reflectogram

- Predicted Strength & Balance Index
- Predicted D.I. 30/15
- Predicted coke strength
- Predicted free swelling index
- Percentage oxidized coal
- Coke-Strength Rose
- Filtered digital scanogram

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING

HOLE ID : RH2130

LOCATION : LAKEPIT

DATE OF LOG : 02-23-86

DATA FROM : V8L2*A

PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
1	.00	.00	.00	.00	.00	.0	.0	.0
	5.00	4.99	-.14	-.07	.16	206.7	1.9	206.7
2	10.00	9.99	-.29	-.14	.33	206.7	1.9	206.7
	15.00	14.99	-.44	-.22	.49	207.0	1.8	207.4
3	20.00	19.98	-.56	-.31	.64	208.7	1.7	214.5
	25.00	24.98	-.65	-.41	.77	212.5	1.5	230.7
4	30.00	29.98	-.74	-.51	.90	214.4	1.4	226.0
	35.00	34.98	-.84	-.57	1.02	214.5	1.3	214.8
5	40.00	39.98	-.93	-.63	1.13	214.2	1.2	211.3
	45.00	44.98	-1.05	-.67	1.24	212.8	1.3	199.4
6	50.00	49.97	-1.16	-.69	1.35	210.9	1.3	189.8
	55.00	54.97	-1.28	-.69	1.46	208.3	1.4	178.1
7	60.00	59.97	-1.42	-.69	1.58	205.8	1.6	179.7
	65.00	64.97	-1.56	-.65	1.69	202.9	1.5	166.4
8	70.00	69.97	-1.70	-.64	1.81	200.6	1.6	172.3
	75.00	74.96	-1.84	-.57	1.93	197.4	1.8	156.5
9	80.00	79.96	-2.00	-.46	2.05	193.1	2.1	144.7
	85.00	84.96	-2.15	-.32	2.17	188.6	2.3	136.1
10	90.00	89.95	-2.30	-.14	2.31	183.7	2.6	131.4
	95.00	94.94	-2.45	.04	2.45	178.9	2.8	127.4
11	100.00	99.94	-2.59	.27	2.60	174.0	2.9	121.7
	105.00	104.93	-2.72	.50	2.77	169.4	3.1	118.4
12	110.00	109.92	-2.86	.78	2.96	164.7	3.4	116.5
	115.00	114.91	-3.01	1.08	3.20	160.1	3.9	116.5
13	120.00	119.89	-3.15	1.48	3.48	154.8	4.8	109.7
	125.00	124.87	-3.31	1.90	3.82	150.1	5.1	110.4
14	130.00	129.84	-3.50	2.37	4.23	145.8	5.7	111.6
	135.00	134.82	-3.65	2.86	4.64	141.9	5.8	107.6
15	140.00	139.79	-3.78	3.26	4.93	138.6	4.5	97.0
	145.00	144.78	-3.75	4.09	5.56	132.5	9.7	93.7
TD	147.30	146.98	-3.86	4.37	5.83	131.4	7.3	110.2

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING

HOLE ID : RH2132

LOCATION : LAKEPIT

DATE OF LOG : 02-16-86

DATA FROM : V8L2*A

PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
1	.00	.00	.00	.00	.00	.0	.0	.0
	5.00	4.99	-.06	-.10	.12	238.1	1.4	238.1
2	10.00	9.99	-.13	-.21	.25	238.1	1.4	238.1
	15.00	14.99	-.19	-.32	.37	238.4	1.4	239.0
3	20.00	19.99	-.24	-.45	.51	242.2	1.6	252.2
	25.00	24.99	-.25	-.58	.63	245.9	1.4	261.5
4	30.00	29.98	-.35	-.71	.80	243.9	1.9	236.1
	35.00	34.98	-.51	-.84	.98	238.5	2.3	216.9
5	40.00	39.97	-.71	-.93	1.17	232.4	2.5	203.9
	45.00	44.97	-.91	-.99	1.35	227.3	2.3	197.7
6	50.00	49.96	-1.16	-1.01	1.54	221.2	2.8	185.1
	55.00	54.95	-1.43	-1.02	1.76	215.6	3.1	182.2
7	60.00	59.94	-1.75	-.97	2.01	209.1	3.7	170.7
	65.00	64.93	-2.10	-.86	2.27	202.3	4.1	161.5
8	70.00	69.91	-2.46	-.70	2.56	196.0	4.5	156.3
	75.00	74.89	-2.87	-.52	2.92	190.4	5.1	156.6
9	80.00	79.86	-3.36	-.32	3.37	185.6	6.0	157.9
	85.00	84.83	-3.85	-.02	3.85	180.3	6.6	148.0
10	90.00	89.79	-4.39	.21	4.40	177.2	6.8	156.5
	95.00	94.74	-4.95	.48	4.97	174.5	7.0	154.3
11	100.00	99.70	-5.52	.79	5.58	171.8	7.5	151.5
	105.00	104.64	-6.20	1.26	6.33	170.9	8.1	163.9
TD✓	110.00	109.58	-6.79	1.59	6.98	168.9	8.8	147.1

750

COMPU LOG VSLI DEVIATION

CLIENT : FORDING

LOCATION : LAKEPIT

DATA FROM : VSL2*A

HOLE ID : RH2133

DATE OF LOG : 02-16-86

PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
5.00	4.99	.09	.21	.23	66.0	2.7	66.0
10.00	9.98	.19	.43	.47	66.0	2.7	66.0
15.00	14.98	.29	.65	.71	66.0	2.7	66.0
20.00	19.97	.33	.84	.90	68.3	2.2	76.9
25.00	24.97	.38	1.05	1.12	70.3	2.5	78.0
30.00	29.96	.41	1.26	1.33	72.0	2.3	81.2
35.00	34.96	.41	1.45	1.51	74.0	2.2	88.0
40.00	39.95	.38	1.65	1.70	76.9	2.3	98.6
45.00	44.95	.25	1.85	1.87	82.1	2.6	123.3
50.00	49.94	.15	2.10	2.10	85.7	3.0	112.1
55.00	54.93	-.01	2.36	2.36	90.4	3.6	123.6
60.00	59.91	-.20	2.64	2.66	96.3	4.4	134.2
65.00	64.89	-.62	2.93	2.99	102.1	5.0	139.9
70.00	69.87	-.97	3.23	3.30	106.8	5.3	138.9
75.00	74.84	-1.28	3.67	3.88	109.3	6.1	125.3
80.00	79.80	-1.64	4.15	4.47	111.6	6.9	126.6
85.00	84.76	-2.00	4.69	5.10	113.1	7.3	123.3
90.00	89.71	-2.31	5.22	5.70	113.6	7.7	117.2
95.00	94.66	-2.63	5.75	6.28	113.8	8.3	115.4
100.00	99.60	-2.93	6.63	7.27	114.2	8.6	117.6
TD 103.00	102.56	-3.16	7.11	7.78	114.0	8.9	110.9

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING

HOLE ID : RH2134

LOCATION : LAKEPIT

DATE OF LOG : 02-16-86

DATA FROM : V8L2*A

PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
1	.00	.00	.00	.00	.00	.0	.0	.0
	5.00	4.99	.03	.02	.04	36.6	.4	36.6
2	10.00	9.99	.06	.04	.08	36.6	.4	36.6
	15.00	14.99	.09	.07	.12	36.6	.4	36.6
3	20.00	19.99	.12	.09	.15	39.6	.4	49.7
	25.00	24.99	.10	.14	.17	52.7	.4	108.7
4	30.00	29.99	.06	.24	.25	75.7	1.2	114.0
	35.00	34.99	.00	.41	.41	88.7	2.0	106.9
5	40.00	39.98	-.04	.63	.64	93.7	2.6	102.8
	45.00	44.98	-.08	.89	.89	95.7	2.9	100.7
6	50.00	49.97	-.13	1.15	1.16	96.8	3.1	100.3
	55.00	54.96	-.20	1.48	1.49	97.8	3.7	101.4
7	60.00	59.95	-.21	1.79	1.81	96.7	3.6	91.0
	65.00	64.93	-.16	2.12	2.12	94.4	3.7	81.9
8	70.00	69.92	-.18	2.43	2.44	94.4	3.5	93.9
	75.00	74.91	-.27	2.74	2.75	95.7	3.6	105.9
9	80.00	79.90	-.38	3.07	3.10	97.1	4.0	108.3
	85.00	84.88	-.50	3.47	3.50	98.2	4.7	106.7
10	90.00	89.85	-.55	3.97	4.01	97.9	5.8	95.3
	95.00	94.83	-.67	4.49	4.54	98.5	6.0	103.2
11	100.00	99.79	-.88	5.02	5.08	99.4	6.3	106.5
	105.00	104.76	-.99	5.57	5.66	100.2	6.6	107.0
12	110.00	109.72	-1.16	6.14	6.25	100.7	6.8	106.2
	115.00	114.68	-1.34	6.73	6.86	101.1	6.9	105.4
13	120.00	119.64	-1.55	7.32	7.48	102.0	7.2	110.8
	125.00	124.60	-1.69	7.95	8.13	102.0	7.5	102.9
14	130.00	129.55	-1.77	8.61	8.79	101.6	7.6	96.2
	135.00	134.50	-1.89	9.27	9.46	101.5	7.6	100.4
15	140.00	139.45	-2.13	9.94	10.16	102.1	8.1	110.3
TD	145.00	144.39	-2.37	10.67	10.93	102.5	8.8	107.6

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG VSL1 DEVIATION 1

CLIENT : FORDING

HOLE ID : RH2137

LOCATION : LAKEPIT

DATE OF LOG : 02-24-86

DATA FROM : VSL2*A

PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
5.00	4.99	.03	.03	.05	50.8	.5	50.8
10.00	9.99	.06	.07	.10	50.8	.5	50.8
15.00	14.99	.09	.11	.15	50.8	.5	50.8
20.00	19.99	.12	.15	.20	50.6	.5	50.0
25.00	24.99	.16	.19	.25	49.9	.6	47.2
30.00	29.99	.21	.24	.32	48.7	.8	44.3
35.00	34.99	.22	.37	.44	59.5	1.5	87.5
40.00	39.99	.22	.54	.59	67.6	1.9	89.3
45.00	44.98	.21	.73	.76	74.1	2.2	94.3
50.00	49.98	.16	.96	.97	80.2	2.5	101.3
55.00	54.97	.11	1.20	1.20	84.3	2.8	100.9
60.00	59.96	.04	1.48	1.48	88.2	3.3	104.5
65.00	64.95	.02	1.83	1.83	89.1	3.9	93.0
70.00	69.93	-.00	2.22	2.22	90.1	4.5	94.3
75.00	74.91	-.04	2.67	2.68	91.0	5.1	95.4
80.00	79.89	-.08	3.18	3.18	91.6	5.8	94.7
85.00	84.85	-.13	3.75	3.75	92.1	6.5	94.8
90.00	89.81	-.16	4.43	4.43	92.1	7.7	92.3
95.00	94.75	-.19	5.16	5.16	92.2	8.4	92.5
100.00	99.68	-.32	5.96	5.97	93.1	9.3	99.3
105.00	104.60	-.55	6.84	6.86	94.6	10.3	104.5
110.00	109.51	-.81	7.76	7.81	96.0	11.0	105.5
115.00	114.41	-1.03	8.71	8.77	96.8	11.1	103.0
120.00	119.30	-1.32	9.71	9.80	97.8	12.0	105.9
125.00	124.17	-1.64	10.77	10.89	98.7	12.8	106.8
130.00	129.04	-2.03	11.83	12.00	99.7	13.0	110.1
135.00	133.90	-2.38	12.94	13.16	100.4	13.5	107.3
140.00	138.74	-2.62	14.16	14.40	100.5	14.3	101.3
145.00	143.59	-2.85	15.36	15.63	100.5	14.2	100.7
150.00	148.43	-3.08	16.59	16.87	100.5	14.4	100.5
TD 150.90	149.30	-3.13	16.80	17.10	100.6	14.4	104.6

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG V9L1 DEVIATION

CLIENT : FORDING COAL   HOLE ID : R.H. 2138

LOCATION : LAKE MOUNTAIN   DATE OF LOG : 05-27-86

DATA FROM : V9L2-A   PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.99	-.02	.11	.11	102.6	.6	102.6
20.00	19.99	-.19	.34	.39	118.9	1.5	124.5
30.00	29.99	-.52	.62	.81	130.0	2.5	140.3
40.00	39.96	-.99	1.06	1.44	132.8	3.6	136.4
50.00	49.93	-1.55	1.59	2.21	134.5	4.4	137.6
60.00	59.87	-2.09	2.32	3.10	133.4	5.6	131.0
70.00	69.81	-2.78	3.22	4.25	130.8	6.1	122.9
80.00	79.74	-3.32	4.23	5.38	128.2	6.5	118.3
90.00	89.65	-3.91	5.33	6.61	126.3	7.1	118.1
100.00	99.56	-4.47	6.53	7.92	124.4	7.6	115.0
110.00	109.46	-5.04	7.78	9.27	123.0	7.8	114.3
120.00	119.36	-5.72	9.02	10.68	122.4	8.1	118.8
130.00	129.25	-6.43	10.30	12.14	122.0	8.3	118.8
140.00	139.13	-7.16	11.62	13.65	121.7	8.7	119.1
150.00	148.99,	-7.98	13.02	15.27	121.5	9.3	120.3
160.00	158.83	-8.83	14.45	16.97	121.6	9.7	122.3
170.00	168.65	-9.92	15.96	18.79	121.9	10.5	124.2
180.00	178.40	-10.97	17.55	20.69	121.9	10.9	122.0
190.00	188.27	-12.16	19.15	22.68	122.4	11.5	127.0
200.00	197.94	-13.[illegible]	20.93	24.72	122.4	12.1	121.9
TD 207.00	199.60	-13.45	21.25	25.17	122.4	12.5	125.7

750

CENTURY GEOPHYSICAL CORPORATION
* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG VOL1 DEVIATION

CLIENT : F.C.L. HOLE ID : RH 2143

LOCATION : LAKE PIT DATE OF LOG : 08-08-88

DATA FROM : VOL2 PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
5.00	4.99	-.17	.09	.20	151.6	2.3	151.6
10.00	9.99	-.35	.19	.40	151.6	2.3	151.6
15.00	14.99	-.53	.29	.61	151.6	2.3	151.6
20.00	19.98	-.71	.38	.81	151.6	2.3	151.6
25.00	24.97	-.89	.48	1.01	151.6	2.3	151.6
30.00	29.97	-1.07	.57	1.22	151.6	2.3	151.6
35.00	34.97	-1.25	.68	1.42	151.4	2.3	150.0
40.00	39.96	-1.45	.85	1.68	149.4	3.0	138.6
45.00	44.95	-1.62	1.08	1.95	146.3	3.3	127.7
50.00	49.94	-1.80	1.26	2.20	144.9	2.8	134.0
55.00	54.93	-1.98	1.47	2.47	143.4	3.2	131.1
60.00	59.92	-2.19	1.75	2.81	141.4	4.0	126.9
65.00	64.91	-2.41	2.04	3.16	139.8	4.0	127.6
70.00	69.90	-2.60	2.29	3.47	138.6	3.6	125.9
75.00	74.88	-2.81	2.56	3.81	137.7	3.9	128.8
80.00	79.87	-3.00	2.85	4.14	136.5	3.9	123.4
85.00	84.86	-3.20	3.12	4.47	135.8	3.8	126.3
90.00	89.85	-3.43	3.37	4.81	135.5	3.8	131.8
95.00	94.84	-3.66	3.63	5.16	135.2	4.0	131.3
100.00	99.82	-3.89	3.95	5.54	134.6	4.4	126.0
105.00	104.80	-4.14	4.26	5.94	134.2	4.5	128.4
110.00	109.79	-4.33	4.60	6.32	133.2	4.4	118.6
115.00	114.77	-4.54	4.92	6.69	132.7	4.3	123.8
120.00	119.76	-4.79	5.21	7.08	132.6	4.4	131.5
125.00	124.74	-5.03	5.55	7.51	132.3	4.9	126.6
130.00	129.72	-5.33	5.92	7.97	132.0	5.3	127.5
135.00	134.69	-5.58	6.33	8.44	131.4	5.4	128.8
140.00	139.67	-5.85	6.70	8.90	131.1	5.3	126.3
145.00	144.64	-6.10	7.09	9.39	131.0	5.6	128.8
150.00	149.62	-6.40	7.51	9.92	130.8	6.0	126.8
TD 152.00	151.80	-6.62	7.73	10.18	130.6	5.9	122.5

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : F.C.L

HOLE ID : RH 2145

LOCATION : HENRETTA

DATE OF LOG : 08-09-03

DATA FROM : VSLI=A

PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.99	-.14	.14	.20	136.2	1.1	136.1
	20.00	19.99	-.27	.27	.40	136.2	1.1	136.1
	30.00	29.98	-.41	.41	.60	136.2	1.1	136.1
	40.00	39.97	-.54	.54	.80	136.2	1.1	136.1
	50.00	49.96	-.68	.68	1.00	136.2	1.1	136.1
	60.00	59.95	-.81	.81	1.20	136.2	1.1	136.1
	70.00	69.94	-.95	.95	1.40	136.2	1.1	136.1
	80.00	79.93	-1.08	1.08	1.60	136.2	1.1	136.1
	90.00	89.92	-1.22	1.22	1.80	136.2	1.1	136.1
	100.00	99.91	-1.35	1.35	2.00	136.2	1.1	136.1
	110.00	109.90	-1.49	1.49	2.20	136.2	1.1	136.1
	120.00	119.89	-1.62	1.62	2.40	136.2	1.1	136.1
	130.00	129.88	-1.76	1.76	2.60	136.2	1.1	136.1
	140.00	139.87	-1.89	1.89	2.80	136.2	1.1	136.1
	150.00	149.86	-2.03	2.03	3.00	136.2	1.1	136.1
	160.00	159.85	-2.16	2.16	3.20	136.2	1.1	136.1
TD	163.20	163.04	-2.20	2.20	3.26	136.2	1.1	136.1

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : F.C.L. JULY 22/83 HOLE ID : R.H. 2377

LOCATION : HENRETTA DATE OF LOG : 07-22-83

DATA FROM : VSL2*A PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.99	.13	.33	.36	68.4	2.0	68.4
	20.00	19.98	.26	.67	.72	68.4	2.0	68.4
	30.00	29.97	.27	1.15	1.18	76.6	2.7	89.2
	40.00	39.95	.31	1.72	1.72	89.5	3.5	114.3
	50.00	49.93	-.16	2.04	2.05	93.5	2.0	113.2
	60.00	59.91	-.12	2.16	2.17	93.2	.6	89.0
	70.00	69.89	-.07	2.70	2.70	91.5	3.0	84.6
	80.00	79.85	-.28	2.07	2.09	95.7	1.5	141.3
	90.00	89.83	-.11	2.85	2.85	92.3	.9	355.6
	100.00	99.79	.38	3.21	3.25	81.0	4.1	29.9
	110.00	109.74	.55	3.90	4.00	76.6	5.1	60.0
	120.00	119.68	.79	4.04	4.91	80.7	5.8	188.1
	130.00	129.63	.79	5.30	5.36	81.5	2.6	90.6
	140.00	139.59	1.41	5.52	5.70	75.6	3.7	19.3
	150.00	149.55	1.70	5.80	6.13	73.6	2.7	51.7
	160.00	159.51	1.54	5.96	6.17	71.7	1.3	353.8
	170.00	169.47	2.30	6.28	6.65	69.6	2.8	43.4
	180.00	179.42	3.02	6.72	7.37	65.8	5.0	35.6
	190.00	189.34	3.16	7.74	8.36	67.8	5.9	82.3
TD	192.48	191.69	3.31	7.78	8.35	68.8	.9	163.3

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU LOG VOL1 DEVIATION

CLIENT : F.C.L. JULY 10/09 HOLE ID : R.H. 2070

LOCATION : HENRIETTA DATE OF LOG : 07-10-03

DATA FROM : VOL2-A PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	DA	SAD
.00	.00	.00	.00	.00	.0	.0	.0
[illegible]	9.99	.10	.32	.33	72.5	1.9	72.5
20.00	19.99	.20	.64	.67	72.5	1.9	72.5
[illegible]	29.98	.21	.96	.98	77.4	1.7	88.0
40.00	39.98	.12	1.13	1.14	83.5	1.1	115.5
[illegible]	49.97	.12	1.29	1.29	84.3	.8	98.0
60.00	59.96	.23	1.51	1.53	81.2	1.3	64.2
[illegible]	69.95	.15	1.31	1.32	84.3	.4	177.0
80.00	79.94	.13	1.30	1.31	84.1	1.2	265.6
[illegible]	89.91	.35	1.21	1.25	63.8	2.7	349.4
100.00	99.87	1.45	1.32	1.97	42.2	4.9	6.9
[illegible]	109.80	2.11	1.71	[illegible]	35.7	5.9	22.1
120.00	119.63	3.35	2.62	4.25	38.1	7.5	44.4
[illegible]	129.55	4.24	3.83	5.71	42.1	8.6	53.3
140.00	139.37	4.79	5.11	7.00	46.9	8.6	67.6
[illegible]	149.20	[illegible]	5.25	[illegible]	39.0	9.6	3.8
160.00	159.97	8.85	5.09	[illegible]	35.8	9.9	19.7
[illegible]	168.59	10.13	6.10	12.12	30.7	13.9	9.1
180.00	178.10	12.24	6.03	13.67	26.4	10.7	356.9
[illegible]	187.65	13.45	6.17	[illegible]	21.3	10.7	1.5
200.00	197.01	15.20	7.61	17.00	22.6	10.7	27.9
TD 206.00	203.36	15.15	13.75	27.42	28.0	22.8	72.4

750

CENTURY DIRECTIONAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

CONPU LOG VOLI DEVIATION

CLIENT : F.C.L. JULY 10/88 — HOLE ID : R.H. 2079

LOCATION : MONCTON — DATE OF LOG : 07-10-88

DATA FROM : VOLI-A — TOOL : 9055A 0332

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.97	.32	.54	.63	59.5	3.6	59.5
20.00	19.93	.64	1.08	1.25	59.5	3.6	59.5
30.00	29.87	.82	1.71	1.90	70.6	3.9	91.2
40.00	39.81	.78	2.19	2.27	82.7	3.3	124.9
50.00	49.80	.74	2.41	2.47	85.2	1.4	125.4
60.00	59.77	.72	2.53	2.74	84.1	.7	29.2
70.00	69.74	.70	2.61	2.64	86.5	2.5	98.6
80.00	79.70	.78	2.82	2.93	82.4	3.0	119.7
90.00	89.70	.47	3.12	3.17	81.3	1.2	166.3
100.00	99.76	.22	3.30	3.31	86.7	1.0	203.8
110.00	109.73	.60	3.62	3.64	83.9	3.5	344.6
120.00	119.60	1.31	3.77	3.92	72.9	4.6	3.7
130.00	129.63	1.73	3.60	4.01	64.8	4.6	23.3
140.00	139.56	2.21	4.17	4.77	62.4	4.4	54.8
150.00	149.40	2.21	4.40	4.97	63.5	1.2	67.0
160.00	159.32	2.78	5.46	5.13	63.7	6.4	64.4
170.00	169.27	3.72	5.62	6.55	56.9	6.6	10.8
180.00	179.18	5.17	5.97	7.10	49.6	8.8	10.5
190.00	189.06	6.04	6.43	8.41	43.4	9.0	13.1
TD 193.40	192.44	7.21	7.51	10.41	46.1	11.3	70.1

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG WELL DEVIATION

CLIENT : FCL JULY 26 83 — HOLE ID : RH 2080

LOCATION : [illegible] — DATE OF LOG : 07-26-83

DATA FROM : WILSON — PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	DR	SRD
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.90	.53	.10	.54	10.8	3.1	10.7
20.00	19.56	1.06	.22	1.08	10.8	3.1	10.7
30.00	29.59	1.59	.32	1.62	10.8	3.1	10.7
40.00	39.57	2.13	.43	2.17	10.8	3.1	10.7
50.00	49.52	2.67	.55	2.72	11.6	2.4	54.6
60.00	58.91	2.44	1.01	2.64	24.8	1.9	78.9
70.00	68.09	2.60	1.39	2.95	28.2	0.8	82.1
80.00	78.07	2.60	1.77	3.27	33.4	2.2	76.6
90.00	87.99	2.56	2.07	3.29	38.9	1.8	114.5
100.00	97.87	2.47	2.21	3.32	41.9	.9	121.8
110.00	107.81	2.38	2.47	3.43	44.2	1.2	82.6
120.00	117.87	2.47	2.81	3.74	48.6	2.1	93.8
130.00	127.86	2.42	3.10	3.94	52.0	1.7	29.7
140.00	137.82	2.49	3.21	4.07	53.9	1.6	97.9
150.00	147.84	2.37	3.69	4.39	57.3	2.3	94.2
160.00	157.87	2.32	4.01	4.78	60.3	2.2	95.4
170.00	167.86	2.23	4.54	5.36	63.9	2.7	182.4
180.00	177.81	2.24	5.07	5.51	66.0	2.7	88.5
TD 183.00	180.80	2.17	5.19	5.63	67.3	2.6	111.1

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VOLI DEVIATION

CLIENT : F.C.L. JULY 29/83 — HOLE ID : R.H. 2082

LOCATION : HENRETTA — DATE OF LOG : 07-28-83

DATA FROM : VOL2*A — PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.99	-.07	.26	.27	105.2	1.5	105.2
	20.00	19.99	-.14	.53	.55	105.6	1.5	106.0
	30.00	29.98	-.25	.77	.81	108.4	1.5	114.3
	40.00	39.98	-.31	.92	.97	108.6	.9	109.5
	50.00	49.97	-.22	1.23	1.25	100.5	1.9	74.4
	60.00	59.96	-.15	1.65	1.66	95.5	2.4	80.8
	70.00	69.94	.12	2.01	2.01	86.4	2.6	51.4
	80.00	79.92	.25	2.71	2.72	84.6	4.0	79.2
	90.00	89.90	.05	2.93	2.93	89.0	1.7	132.9
	100.00	99.89	.17	2.86	2.86	86.5	.9	350.4
	110.00	109.87	.62	2.90	3.03	78.1	2.6	13.1
	120.00	119.85	1.84	3.41	3.87	73.0	3.5	46.9
	130.00	129.84	1.15	3.64	3.82	72.4	1.4	63.1
	140.00	139.83	1.23	3.76	3.96	71.8	.8	57.7
	150.00	149.83	1.34	3.90	4.21	71.4	1.4	65.3
	160.00	159.82	1.39	4.13	4.45	71.6	1.4	78.9
	170.00	169.82	1.46	4.40	4.71	71.9	1.4	73.8
	180.00	179.81	1.46	4.72	4.94	72.8	1.3	91.5
	190.00	189.81	1.43	4.76	4.97	73.2	.2	128.1
	200.00	199.81	1.38	4.86	5.05	74.1	.6	116.6
	210.00	209.81	1.42	5.01	5.22	73.7	1.0	61.4
TD	219.00	219.41	1.56	5.26	5.48	73.5	1.5	78.0

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : F.C.L. JULY 20/83 — HOLE ID : R.H. 2083

LOCATION : HENRETTA — DATE OF LOG : 07-20-83

DATA FROM : VSL2*A — PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.99	.14	.36	.38	69.0	2.2	68.9
	20.00	19.98	.20	.73	.76	69.0	2.2	68.9
	30.00	29.97	.48	1.83	1.14	64.8	2.0	55.7
	40.00	39.96	.60	1.42	1.54	66.9	2.3	72.9
	50.00	49.95	.52	1.68	1.78	70.7	1.5	93.4
	60.00	59.94	.57	1.71	1.84	68.3	.5	14.8
	70.00	69.93	.58	1.53	1.69	69.8	.0	231.0
	80.00	79.92	.48	1.41	1.49	71.0	1.1	241.5
	90.00	89.90	.06	1.46	1.63	59.5	2.1	7.6
	100.00	99.86	1.51	1.29	2.58	52.7	4.8	39.1
	110.00	109.80	1.94	2.89	3.48	56.1	5.6	64.7
	120.00	119.73	1.94	3.81	4.28	63.0	5.3	89.7
	130.00	129.68	2.06	4.35	4.82	64.6	3.1	77.3
	140.00	139.63	2.38	4.41	5.29	56.6	4.8	4.2
	150.00	149.58	3.49	4.53	5.72	52.3	3.4	10.7
	160.00	159.55	3.93	4.35	5.87	47.9	2.7	338.7
	170.00	169.52	3.93	4.13	5.70	46.4	1.3	269.7
TD	173.70	173.21	4.01	3.95	5.63	44.6	2.9	293.8

750

NN CALIBRATION MEDIA
STANDARD CPS =
+00000

NN CALIBRATION MEDIA
STANDARD CPS =
152

NN CALIBRATION RUN CPS =

+00191

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU LOG VOL1 DEVIATION

CLIENT : F.C.L. JULY 25/08 HOLE ID : R.H.2004

LOCATION : HENRETTA DATE OF LOG : 07-25-08

DATA FROM : VOL2=A PROBE : 9055A 8232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	5.00	4.99	-.11	.12	.16	133.2	1.9	133.2
	10.00	9.99	-.22	.24	.33	133.2	1.9	133.2
	15.00	14.99	-.34	.36	.49	133.2	1.9	133.2
	20.00	19.98	-.45	.48	.66	133.2	1.9	133.2
	25.00	24.98	[illegible]	.60	.83	133.2	1.9	133.2
	30.00	29.98	-.68	.72	.99	133.2	1.9	133.2
	35.00	34.98	[illegible]	.84	1.16	133.2	1.9	133.2
	40.00	39.97	-.83	.96	1.31	132.9	1.7	130.5
	45.00	44.97	-.93	1.05	1.41	131.6	1.1	114.0
	50.00	49.96	[illegible]	1.25	1.57	127.4	2.2	96.1
	55.00	54.96	[illegible]	1.29	1.63	127.4	.6	127.9
	60.00	59.96	-.97	1.45	1.75	123.6	1.8	84.6
	65.00	64.95	[illegible]	1.70	1.93	117.8	3.0	73.4
	70.00	69.94	-.77	1.91	2.05	111.9	2.8	58.0
	75.00	74.94	[illegible]	1.99	2.08	106.3	2.3	23.9
	80.00	79.93	[illegible]	2.10	2.21	99.6	3.1	41.6
	85.00	84.92	[illegible]	2.49	2.51	96.6	3.7	74.5
	90.00	89.90	[illegible]	2.85	2.87	97.6	4.1	99.6
	95.00	94.89	[illegible]	3.21	3.25	99.8	4.5	113.4
	100.00	99.87	-.71	3.53	3.60	101.4	4.3	123.6
	105.00	104.86	[illegible]	3.70	3.83	104.9	3.6	147.3
TD	105.40	105.26	[illegible]	3.60	3.82	104.7	2.7	325.6

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : F.C.L HOLE ID : 2085

LOCATION : HENRETTA DATE OF LOG : 07-15-83

DATA FROM : VSL2*A PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.98	.12	.43	.44	73.9	2.5	73.9
	20.00	19.97	.24	.86	.89	73.9	2.5	73.9
	30.00	29.97	.35	1.13	1.19	72.1	1.7	66.0
	40.00	39.96	.44	1.31	1.38	71.3	1.1	66.1
	50.00	49.96	.43	1.35	1.42	72.1	.2	96.1
	60.00	59.96	.37	1.34	1.39	75.1	.6	185.0
	70.00	69.96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	80.00	79.95	-.28	1.42	1.44	100.9	2.0	207.5
	90.00	89.96	-.68	.89	1.60	124.1	2.6	280.4
	100.00	[illegible]	[illegible]	.73	.86	122.7	1.3	314.9
	110.00	109.88	.04	.53	.53	85.3	3.2	338.5
	120.00	119.84	-.47	.11	.49	166.2	3.8	218.5
	130.00	129.80	-1.11	-.38	1.18	198.8	4.6	217.0
	140.00	139.96	-1.73	-.59	1.89	209.0	4.9	224.8
	150.00	148.92	-2.18	-1.78	2.82	219.2	5.2	240.2
	160.00	158.85	-2.69	-2.70	3.89	223.9	6.3	236.0
	170.00	168.78	-3.23	-3.80	5.02	229.2	6.9	246.6
	180.00	178.67	-3.82	-5.11	6.38	233.2	8.1	247.7
TD	183.00	181.64	-4.62	-5.53	6.82	233.8	8.4	242.5

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * * VERTICAL DEVIATION * * * * * * * * *

CONTU-LOG VOLI DEVIATION

CLIENT : F.C.L. AUG. 16/88 HOLE ID : R.H. 2086

LOCATION : HENRETTA DATE OF LOG : 08-16-87

DATA FROM : WSL2=A PROBE : 9055A 0910

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.0	.0	.0
9.99	.02	.39	.40	87.0	2.0	86.9
19.98	.07	.89	.89	87.5	2.3	87.0
29.96	-.01	1.39	1.39	90.6	2.8	95.0
39.94	-.08	1.71	1.71	92.7	3.3	99.0
49.94	-.14	2.15	2.15	93.6	3.6	111.7
59.93	-.20	2.60	2.61	95.9	3.6	92.7
69.91	-.27	3.23	3.23	94.1	3.6	86.7
79.89	-.17	3.93	3.93	92.6	4.0	85.2
89.86	-.12	4.67	4.67	91.6	4.2	86.3
99.83	-.05	5.40	5.40	90.7	4.1	84.7
109.81	.00	6.07	6.07	90.0	3.9	84.4
119.78	.10	6.78	6.78	90.9	4.0	80.0
129.75	.27	7.52	7.52	87.9	4.3	79.0
139.72	.39	8.23	8.24	87.3	4.1	91.1
149.70	.49	8.85	8.86	86.8	4.1	80.7
159.67	.63	9.68	9.70	86.2	4.2	79.4
169.64	.84	10.39	10.42	85.4	4.2	73.6
179.61	1.07	11.12	11.17	84.4	4.4	71.1
189.59	1.41	11.91	12.00	83.2	4.9	68.8
199.53	1.73	12.77	12.89	82.3	5.2	69.6
209.10	1.99	13.43	13.57	81.6	5.3	68.4

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : F.C.L. AUG. 16/83 HOLE ID : R.. 2087

LOCATION : HENRETA DATE OF LOG : 08-16-83

DATA FROM : VSLI*A PROG : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
[illegible]	.00	.00	.00	.00	.0	.0	.0
10.00	9.99	.20	-.05	.21	344.2	1.2	344.2
20.00	19.99	.41	-.11	.42	344.4	1.2	344.5
30.00	29.99	.63	-.14	.65	347.1	1.2	352.2
40.00	39.99	.81	-.17	.82	347.9	1.0	350.9
50.00	49.98	1.03	-.06	1.03	356.6	1.4	26.7
60.00	59.98	1.22	.09	1.22	4.6	1.4	39.9
70.00	69.97	1.42	.26	1.45	10.6	1.5	39.4
80.00	79.97	1.61	.41	1.66	14.4	1.3	38.8
90.00	89.97	1.75	.53	1.83	17.1	1.0	41.9
100.00	99.97	1.87	.66	1.99	19.5	1.0	44.6
110.00	109.97	1.93	.77	2.10	21.7	.7	54.7
120.00	119.97	2.00	.90	2.19	24.3	.7	70.4
130.00	129.96	2.04	.98	2.27	25.8	.5	62.4
140.00	139.96	2.08	1.03	2.32	26.4	.3	53.3
150.00	149.96	2.10	1.05	2.35	26.7	.1	43.5
160.00	159.96	2.13	1.06	2.38	26.5	.1	19.1
170.00	169.96	2.17	1.05	2.41	26.0	.2	353.0
180.00	179.96	2.22	.99	2.43	24.0	.4	309.8
190.00	189.96	2.33	.90	2.47	21.4	.6	311.0
200.00	199.96	2.38	.82	2.52	19.0	.6	313.0
210.00	209.96	2.47	.74	2.59	16.8	.6	318.9
TD 213.00	213.96	2.49	.70	2.59	15.8	.6	303.5

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : F.C.L. DEC. 6/88

HOLE ID : R.H.2090

LOCATION : HENRETTA

DATE OF LOG : 12-08-86

DATA FROM : VSL2*A

PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.99	.21	.27	.34	51.7	1.9	51.7
	20.00	19.98	.42	.54	.68	51.7	1.9	51.7
	30.00	29.96	.64	.81	1.03	51.7	1.9	51.7
	40.00	39.87	.88	1.14	1.44	52.4	2.3	54.1
	50.00	49.80	1.02	1.40	1.80	55.5	2.1	67.6
	60.00	59.83	.92	2.00	2.21	65.3	3.0	100.5
	70.00	69.90	.90	2.75	2.89	71.8	4.2	91.4
	80.00	79.87	.79	3.46	3.55	77.1	4.1	99.0
	90.00	89.84	.72	3.73	3.80	79.1	1.6	104.9
	100.00	99.81	1.24	3.82	4.02	72.0	3.0	9.8
	110.00	109.70	1.72	4.32	4.65	68.3	3.9	46.0
	120.00	119.74	1.62	4.59	4.94	68.3	1.6	68.5
	130.00	129.72	2.16	4.49	4.98	64.3	1.9	342.8
	140.00	139.68	2.52	5.00	5.60	63.3	3.6	54.7
	150.00	149.63	2.22	5.20	5.72	67.1	2.2	138.4
	160.00	159.56	2.64	6.25	6.79	67.1	6.1	67.0
TD	166.00	166.38	2.87	6.50	6.90	72.6	5.6	150.0

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : F.C.L. DEC 8/88

LOCATION : HENRETTA

DATA FROM : VSL2*A

HOLE ID : R.H.2161

DATE OF LOG : 12-08-86

PROBE : 9855A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	5.00	4.99	-.04	.13	.14	108.8	1.6	108.7
	10.00	9.99	-.09	.26	.28	108.8	1.6	108.7
	15.00	14.99	-.13	.40	.42	108.8	1.6	108.7
	20.00	19.99	-.18	.53	.56	108.8	1.6	108.7
	25.00	24.99	-.22	.66	.70	108.8	1.6	108.7
	30.00	29.98	-.26	.80	.84	108.3	1.6	105.7
	35.00	34.98	-.25	.97	1.00	104.9	1.9	87.7
	40.00	39.97	-.18	1.20	1.21	98.9	2.7	73.0
	45.00	44.96	-.27	1.44	1.47	100.9	2.9	110.1
	50.00	49.96	-.28	1.63	1.64	97.3	2.2	69.4
	55.00	54.95	-.29	1.81	1.83	99.2	2.3	114.6
	60.00	59.94	-.34	1.87	1.90	100.5	.9	134.9
	65.00	64.94	-.32	1.76	1.79	100.3	1.1	284.9
	70.00	69.93	-.46	1.67	1.73	105.6	2.0	213.9
	75.00	74.93	-.64	1.63	1.75	111.4	2.0	190.7
	80.00	79.92	-.56	1.57	1.67	109.6	1.1	322.4
	85.00	84.91	-.38	1.77	1.81	102.3	3.0	48.8
	90.00	89.89	-.26	2.16	2.18	96.9	4.7	72.3
	95.00	94.87	-.26	2.63	2.65	95.8	5.3	98.7
	100.00	99.84	-.39	3.10	3.12	97.2	5.4	104.8
	105.00	104.83	-.54	3.00	3.05	100.2	2.0	213.3
	110.00	109.81	-.42	3.04	3.07	98.0	1.3	21.2
	115.00	114.79	-.18	3.33	3.33	93.1	4.3	49.3
	120.00	119.76	.03	3.79	3.79	89.5	5.7	65.0
	125.00	124.73	.18	4.30	4.30	87.6	6.1	73.9
TD	128.20	127.91	.32	4.61	4.62	85.9	6.1	64.3

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG VSL1 DEVIATION

CLIENT : FCL MAY 31/88 HOLE ID : RH1984

LOCATION : EAG STG 4 WEST DATE OF LOG : 05-31-81

DATA FROM : VSL2*A PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	0	0	0
10.00	9.99	.10	.12	.16	49.8	.9	49.8
20.00	19.99	.24	.20	.31	40.0	.8	29.2
30.00	29.99	.36	.26	.45	36.4	.7	28.1
40.00	39.99	.36	.43	.56	50.1	.9	90.2
50.00	49.99	.33	.61	.69	61.8	1.0	99.8
60.00	59.98	.23	.87	.90	75.1	1.5	110.6
70.00	69.98	.21	1.02	1.04	78.0	.8	95.5
80.00	79.98	.08	1.20	1.21	85.8	1.2	125.8
90.00	89.98	[illegible]	1.40	1.40	[illegible]	1.0	[illegible]
110.00	109.96	-.31	2.02	2.04	[illegible]	[illegible]	[illegible]
120.00	119.96	-.41	2.27	2.31	100.3	1.5	111.7
130.00	129.95	-.52	2.66	2.71	101.1	[illegible]	105.4
140.00	139.94	-.62	3.08	3.13	101.3	2.3	104.4
150.00	149.93	-.70	3.53	3.60	101.3	2.6	99.4
160.00	159.92	-.63	3.93	3.98	99.5	2.7	93.2
170.00	169.91	-.56	4.34	4.38	97.4	2.4	77.3
180.00	179.90	-.37	4.82	4.84	94.4	2.9	68.6
190.00	189.87	-.10	5.47	5.47	91.1	4.0	67.1
200.00	199.85	.27	6.02	6.03	87.4	3.8	55.7
210.00	209.82	.70	6.58	6.62	83.9	4.0	52.3
220.00	219.80	1.11	7.21	7.29	81.2	4.3	56.6
230.00	229.76	1.46	7.92	8.06	79.5	4.5	63.9
240.00	239.73	1.79	8.64	8.83	78.3	4.5	65.4
250.00	249.71	2.02	9.21	9.43	77.6	3.4	68.8
TD 258.80	258.50	2.18	9.64	9.89	77.2	3.0	69.0

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU LOG VOL1 DEVIATION

CLIENT : F.C.L. JULY 29/89 HOLE ID : R.H. 2094

LOCATION : WEST CASTLE DATE OF LOG : 07-29-89

DATA FROM : VOL2*A PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.99	-.13	.21	.24	122.0	1.4	121.9
20.00	19.99	-.31	.34	.46	132.5	1.2	144.0
30.00	29.99	-.49	.44	.67	138.1	1.2	150.2
40.00	39.98	-.66	.54	.86	141.0	1.1	151.0
50.00	49.90	-.67	.65	.91	134.3	.6	73.2
60.00	59.98	-.53	.87	1.02	121.2	1.4	64.7
70.00	69.97	-.45	1.33	1.41	108.9	2.6	88.8
80.00	79.95	-.42	1.78	1.83	103.3	2.5	85.7
90.00	89.95	-.65	2.04	2.14	107.8	2.0	132.1
100.00	99.94	-.64	2.04	2.14	107.5	.0	350.6
110.00	109.93	-.31	2.37	2.39	97.4	2.7	44.9
120.00	119.90	-.33	3.04	3.05	97.4	3.0	97.3
130.00	129.87	-.61	3.52	3.57	99.8	3.0	114.0
140.00	139.85	-.36	3.55	3.56	95.9	1.4	6.6
150.00	149.80	-.39	4.32	4.34	95.2	4.4	92.0
160.00	159.75	.38	4.69	4.71	85.3	4.9	25.6
170.00	169.72	.66	4.32	4.38	81.2	2.6	307.6
180.00	179.66	.80	5.01	5.08	80.9	4.0	78.4
TD 190.00	188.39	.30	5.97	5.98	87.1	7.0	117.8

@123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]↑_ !"#$%&'()*+,-./0123456789:;<=>?
@123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]↑_ !"#$%&'()*+,-./0123456789:;<=>?
@123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]↑_ !"#$%&'()*+,-./0123456789:;<=>?
@123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]↑_ !"#$%&'()*+,-./0123456789:;<=>?
@123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]↑_

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG VOLI DEVIATION

CLIENT : F.C.L

LOCATION : CASTLE

DATA FROM : VOL2=A

HOLE ID : RH 2097

DATE OF LOG : 00-05-83

PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
5.00	4.99	.02	.07	.08	72.2	.9	72.2
10.00	9.99	.03	.15	.16	72.2	.9	72.2
15.00	14.99	.07	.23	.24	72.2	.9	72.2
20.00	19.99	.10	.37	.38	65.5	.7	37.5
25.00	24.98	.21	.24	.32	49.1	1.0	343.6
30.00	29.98	.37	.17	.37	27.1	1.6	320.6
35.00	34.98	.42	.07	.42	5.3	1.8	303.8
40.00	39.98	.35	-.19	.33	349.1	1.9	304.0
45.00	44.98	.64	-.29	.60	342.2	1.9	319.4
50.00	49.98	.70	-.33	.65	336.9	2.1	317.4
55.00	54.97	.93	-.51	1.06	331.4	2.6	310.5
60.00	59.96	1.13	-.70	1.33	328.2	3.2	315.7
65.00	64.95	1.30	-.89	1.65	327.2	3.6	322.9
70.00	69.94	1.53	-1.16	1.93	323.2	3.5	301.5
75.00	74.92	1.72	-1.46	2.26	319.7	4.0	299.6
80.00	79.91	1.93	-1.79	2.63	317.1	4.5	301.5
85.00	84.89	2.15	-2.15	3.03	314.9	4.8	301.5
90.00	89.87	2.36	-2.54	3.47	312.9	5.0	298.7
95.00	94.85	2.54	-2.92	3.87	311.0	4.8	294.7
100.00	99.83	2.73	-3.36	4.32	309.0	5.4	292.7
105.00	104.80	2.90	-3.87	4.84	306.8	6.2	288.9
110.00	109.76	3.07	-4.48	5.43	304.4	7.2	285.9
115.00	114.71	3.23	-5.14	6.07	302.2	7.8	283.5
120.00	119.66	3.36	-5.88	6.71	300.1	7.8	281.5
125.00	124.60	3.66	-6.51	7.47	299.3	8.8	282.5
130.00	129.55	3.87	-7.15	8.19	297.9	8.6	282.9
135.00	134.50	4.00	-7.92	8.87	296.8	7.8	284.2
140.00	139.45	4.21	-8.54	9.53	296.3	7.6	288.9
145.00	144.40	4.44	-9.16	10.20	295.8	7.7	289.3
150.00	149.35	4.38	-9.84	10.84	294.9	7.6	288.8
TD 152.28	151.54	4.61	-10.12	11.12	294.5	7.5	279.4

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG V3L1 DEVIATION

CLIENT : FORDING COAL

HOLE ID : R.H. 1985

LOCATION : EAGLE STAGE 4 WEST

DATE OF LOG : 06-06-88

DATA FROM : V3L2*A

PROBE : 9055A 0010

T0 = [illegible]

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.99	.04	.03	.05	34.5	.3	34.5
30.00	29.99	.13	-.07	.13	352.5	.3	304.5
40.00	39.99	.17	-.13	.21	323.2	.7	291.3
50.00	49.99	.23	-.30	.38	306.9	1.0	287.6
60.00	59.99	.27	-.50	.57	298.7	1.1	283.0
70.00	69.99	.32	-.76	.82	292.0	1.4	279.5
80.00	79.98	.30	-1.06	1.11	286.1	1.7	267.7
90.00	89.98	.25	-1.34	1.37	282.3	1.5	266.4
100.00	99.97	.21	1.54	1.55	278.0	1.2	248.9
110.00	109.97	.17	-1.63	1.63	275.4	1.6	261.3
120.00	119.96	-.10	-2.10	2.10	266.9	2.3	247.9
130.00	129.95	-.24	-2.64	2.65	264.7	2.9	242.1
140.00	139.95	-.37	-3.11	3.14	259.7	3.5	237.5
150.00	149.95	-.65	-3.63	3.69	257.4	4.1	[illegible]
160.00	159.88	-1.14	-4.65	4.79	256.1	4.9	250.5
170.00	169.82	-1.37	-5.51	5.68	256.0	5.1	254.9
180.00	179.79	-1.58	-6.71	6.90	256.1	4.7	256.9
190.00	189.75	-1.65	-7.05	7.24	256.8	4.2	263.5
200.00	199.72	-1.59	-7.77	7.93	258.4	4.1	274.1
210.00	209.70	-1.53	-8.43	8.57	259.7	4.1	273.8
220.00	219.67	-1.60	-9.21	9.35	259.6	4.2	262.8
230.00	229.64	-1.70	-10.00	10.15	260.3	4.5	266.5
240.00	239.60	-1.72	-10.85	10.99	261.0	4.8	268.9
250.00	249.56	-1.71	-11.71	11.84	261.6	[illegible]	[illegible]
260.00	259.52	-1.69	-12.59	12.70	262.4	5.3	272.7
270.00	269.48	-1.59	-13.52	13.61	263.3	5.3	276.6
280.00	279.43	-1.40	-14.50	14.57	264.5	5.7	279.5
290.00	289.37	-1.13	-15.53	15.57	265.6	6.0	281.8
294.20	293.54	1.00	-15.98	16.02	266.1	6.4	283.6

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU LOG VOLI DEVIATION

CLIENT : FORDING COAL — HOLE ID : R.H. 1986

LOCATION : EAGLE STAGE 4 WEST — DATE OF LOG : 06-09-86

DATA FROM : VOL2=A — PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.99	.11	-.10	.22	300.9	1.3	300.9
20.00	19.99	.24	-.46	.52	297.2	1.7	294.3
30.00	29.98	.35	-.89	.96	291.8	2.5	285.4
40.00	39.96	.43	-1.35	1.42	287.6	2.6	279.2
50.00	49.95	.48	-1.77	1.84	285.4	2.4	277.4
60.00	59.95	.56	-2.19	2.26	284.5	2.4	280.4
70.00	69.94	.63	-2.53	2.61	284.5	2.0	284.6
80.00	79.93	.65	-2.95	3.03	282.5	2.4	269.9
90.00	89.92	.05	-3.37	3.44	280.9	2.4	269.7
100.00	99.91	.65	-3.79	3.85	279.7	2.3	269.7
110.00	109.90	.02	-4.29	4.34	278.2	2.8	266.6
120.00	119.87	.43	-4.95	4.98	275.7	3.8	259.3
130.00	129.84	.55	-5.65	5.66	273.6	4.0	258.6
140.00	139.81	.21	-6.48	6.48	271.9	4.0	259.2
150.00	149.77	.13	-7.30	7.30	271.0	5.1	265.1
160.00	159.71	-.00	-8.23	8.23	269.4	5.0	255.4
170.00	169.67	-.20	-9.04	9.05	268.2	4.8	256.3
180.00	179.64	-.35	-9.83	9.84	268.0	4.5	265.2
190.00	189.61	-.43	-10.58	10.59	267.6	4.2	263.5
200.00	199.58	-.54	-11.38	11.31	267.3	4.1	261.6
210.00	209.56	-.54	-12.02	12.53	267.4	4.1	269.8
220.00	219.53	-.46	-12.77	12.79	267.9	4.3	275.8
230.00	229.49	-.48	-13.55	13.56	268.3	4.4	274.2
240.00	239.46	-.38	-14.36	14.36	268.5	4.6	271.6
250.00	249.41	-.37	-15.27	15.27	268.6	5.2	270.5
260.00	259.37	-.31	-16.23	16.23	268.5	5.5	273.5
270.00	269.33	-.32	-17.20	17.20	268.9	5.5	269.7
280.00	279.28	-.47	-18.26	18.27	268.5	6.1	261.6
290.00	289.19	-.60	-19.15	19.17	268.0	6.3	268.2
TD 297.30	296.47	-.54	-19.97	19.99	267.3	5.3	245.7

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* * * * * CENTURY GEOPHYSICAL CORPORATION * * * * * * *
VERTICAL DEVIATION

COMPU-LOG VSLI DEVIATION

RH 1987

CLIENT : F.C.L.JUNE24/88 HOLE ID :

LOCATION : RH1987 EAGLE DATE OF LOG :

DATA FROM : VSL2*A PROBE : 9055A 0810

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH		TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SR	SRB
	.00	1	.00	.00	.00	.00	.0	.0	.0
	20.00	2	19.99	.38	.24	.45	31.7	1.3	31.7
	40.00	3	39.98	.77	.48	.91	31.7	1.3	31.7
	60.00	4	59.96	1.17	.61	1.32	27.8	1.1	19.0
	80.00	5	79.97	1.58	.43	1.64	15.2	1.3	335.9
	100.00	6	99.93	2.32	-.34	2.34	351.6	3.0	313.4
	120.00	7	119.89	3.20	-1.36	3.48	336.9	3.8	310.9
	140.00	8	139.85	4.06	-2.24	4.63	331.1	3.5	314.3
	160.00	9	159.81	5.01	-2.98	5.82	329.3	3.4	322.0
	180.00	10	179.76	6.14	-3.61	7.12	329.5	3.7	330.7
	200.00	11	199.70	7.62	-4.03	8.62	332.2	4.4	344.3
	220.00	12	219.63	9.22	-4.17	10.12	335.7	4.5	354.9
	240.00	13	239.55	10.95	-4.25	11.75	338.8	4.9	357.2
	260.00	14	259.47	12.70	-4.26	13.40	341.4	5.0	359.5
	280.00	15	279.41	14.27	-4.39	14.93	342.9	4.5	355.5
	300.00	16	299.33	16.01	-4.53	16.65	344.2	5.0	355.1
TD	303.00	17	302.91,	16.38	-4.55	17.00	344.5	5.7	357.9

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * *

COMPU-LOG VOL1 DEVIATION

CLIENT : FORDING COAL HOLE ID : R.H. 1988

LOCATION : EAGLE STAGE C WEST DATE OF LOG : 06-18-88

DATA FROM : VOL2*A PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
20.00	19.99	.04	.42	.42	84.5	1.2	94.4
		.08	.59	.60	82.3	1.5	97.0
60.00	59.59	-.04	.47				
				.48	99.3	1.6	320.5
100.00	99.54	.97	-.85	1.29	318.6	3.2	306.4
			-1.79	2.51	314.3	3.5	305.7
140.00	139.08	2.44	-2.61	3.53	313.4	3.0	318.1
			-3.13	4.28			
180.00	179.07	2.52					
		3.17	-3.44	4.67	314.8	1.9	300.9
220.00	219.04	3.27	-4.03	4.97			
				5.19	309.4	1.8	260.4
	239.03	2.65	-4.30	5.27	304.4	1.2	220.7
260.00	259.02	2.30	-4.55	5.13	297.6	1.7	203.5
[illegible]	279.01	1.76	-4.75	5.06	290.3	1.8	197.7
300.00	299.78	.90	-5.17	5.27	280.8	2.5	208.8
[illegible]	319.75	-.39	-5.67	5.67	269.0	3.4	204.5
340.00	339.69	-1.40	-6.34	6.50	257.5	4.2	207.2
[illegible]	359.62	-2.55	-7.36	7.83	247.7	4.7	205.7
TD 364.10	363.70	-3.23	-7.23	7.92	245.9	5.1	206.3

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CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VSLI DEVIATION

CLIENT : FORDING COAL

HOLE ID : R.H.1989

LOCATION : EAGLE STAGE 6 WEST

DATE OF LOG : 06-30-88

DATA FROM : VSL2*A

PROBE : 9055A 0010

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAB
	.00	.00	.00	.00	.00			
	20.00	19.97	.65	.09	.09	06:0	2:5	06:9
	40.00	39.95	.23	1.82	1.84	82.7	2.7	79.4
	60.00	59.91	.64	2.98	3.05	77.8	3.5	70.4
	80.00	79.85	1.24	4.34	4.51	74.0	4.2	66.0
	100.00	99.78	1.38	5.02	6.15	71.2	4.7	63.4
	120.00	119.68	2.90	7.45	8.03	68.2	5.4	58.4
	140.00	139.56	4.23	9.15	10.08	65.2	6.0	53.6
	160.00	159.43	5.64	10.87	12.25	62.6	6.4	50.7
	180.00	179.29	7.24	12.57	14.51	60.1	6.7	46.7
	200.00	199.15	8.75	14.30	16.84	58.7	6.7	50.1
	220.00	219.02	10.04	16.24	19.10	58.3	6.4	55.1
	240.00	238.87	11.27	18.23	21.44	58.3	6.7	58.3
	260.00	258.72	12.37	20.46	23.91	58.6	7.1	63.7
	280.00	278.57	13.17	22.72	26.26	59.9	6.8	70.4
	300.00	298.43	13.59	25.07	28.52	61.5	6.8	79.8
TD	307.30	305.68	13.71	25.92	29.33	62.1	6.7	82.1

750

CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

CONTU LOG VDLI DEVIATION

CLIENT : F.C.L. JULY 23/83 — HOLE ID : R.H. 1990

LOCATION : EAGLE STAGE 5 WEST — DATE OF LOG : 07-29-83

DATA FROM : VDL2*A — PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
B = BOTTOM OF ZONE

	DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SR	SAB
	.00'	.00	.00	.00	.00	.0	.0	.0
	10.00'	9.99	.53	.42	.42	84.6	2.4	84.5
	20.00'	19.98	.07	.84	.84	84.6	2.4	84.5
	30.00'	29.97	.15	1.13	1.14	82.4	1.7	76.2
	40.00'	39.97	.23	1.45	1.47	80.8	1.8	75.2
	50.00'	49.96	.15	1.87	1.89	82.2	2.3	87.2
	60.00'	59.94	.08	2.28	2.29	89.1	2.6	118.5
	70.00'	69.92	-.10	2.74	2.76	96.4	3.3	126.4
	80.00'	79.88	-.40	3.27	3.38	101.6	3.4	126.1
	90.00'	89.80	-.89	3.41	3.58	107.8	2.6	157.8
	100.00'	99.67	-1.42	3.30	3.51	110.2	.9	228.5
	110.00'	109.35	-1.84	3.45	3.85	103.0	2.2	22.5
	120.00'	119.02	-1.87	3.87	3.96	102.7	2.4	92.9
	130.00'	129.00	-1.55	3.86	3.97	103.9	.5	187.7
	140.00'	138.72	-1.40	3.98	4.61	97.1	2.7	14.9
	150.00'	148.79	-1.35	4.12	4.27	98.9	1.6	123.4
	160.00'	158.72	-1.20	4.42	4.43	93.7	2.4	27.6
	170.00'	168.78	-1.31	4.09	4.18	94.4	1.8	265.2
	180.00'	178.67	-1.87	4.36	4.36	91.0	2.8	47.8
TD	182.30'	182.56	-1.87	4.25	4.25	91.0	2.1	271.3

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CENTURY GEOPHYSICAL CORPORATION

* * * * * * * * VERTICAL DEVIATION * * * * * * * * *

COMPU-LOG VOLI DEVIATION

CLIENT : T.C.L. JULY 23/83 — HOLE ID : R.H. 1991

LOCATION : EAGLE STAGE C WEST — DATE OF LOG : 07-29-83

DATA FROM : VOL2*A — PROBE : 9055A 0232

TD = TOTAL DEPTH
T = TOP OF ZONE
D = BOTTOM OF ZONE

DEPTH	TRUE DEPTH	NORTH DEV	EAST DEV	DISTANCE	AZIMUTH	SA	SAD
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.99	-.61	.24	.24	94.4	1.4	94.4
20.00	19.99	.13	.51	.53	75.2	1.7	68.1
30.00	29.98	.34	.51	.62	56.4	1.2	1.5
40.00	39.98	.50	.63	.80	47.1	1.5	25.0
50.00	49.96	.60	1.00	1.22	57.3	2.6	76.2
60.00	59.95	.60	1.51	1.66	65.8	2.4	92.2
70.00	69.94	.35	1.93	1.94	79.1	2.8	129.1
80.00	79.92	-.13	2.44	2.45	84.4	3.1	183.3
90.00	89.91	-.60	2.66	2.68	91.7	2.2	144.8
100.00	99.91	-.82	2.65	2.69	98.6	.3	349.6
110.00	109.90	-.23	2.86	2.87	84.9	2.8	36.8
120.00	119.89	.16	3.09	3.09	86.9	1.3	111.6
130.00	129.89	.38	3.15	3.17	84.5	.8	24.7
					33.4	2.6	75.8

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