

K - FORDING RIVER 82(3)A



CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

BOREHOLE: (R.H.) 1791
DATE: 06/10/82
UNIT/OPERATOR: 1521 D.F. FERGUSON
FIELD OFFICE: ELKFORD

COMPANY: FORDING COAL LTD.
BOREHOLE: (R.H.) 1791
AREA: ELKFORD
COUNTY: BRITISH COLUMBIA
SECTION: _____ TOWNSHIP: _____ RANGE: _____

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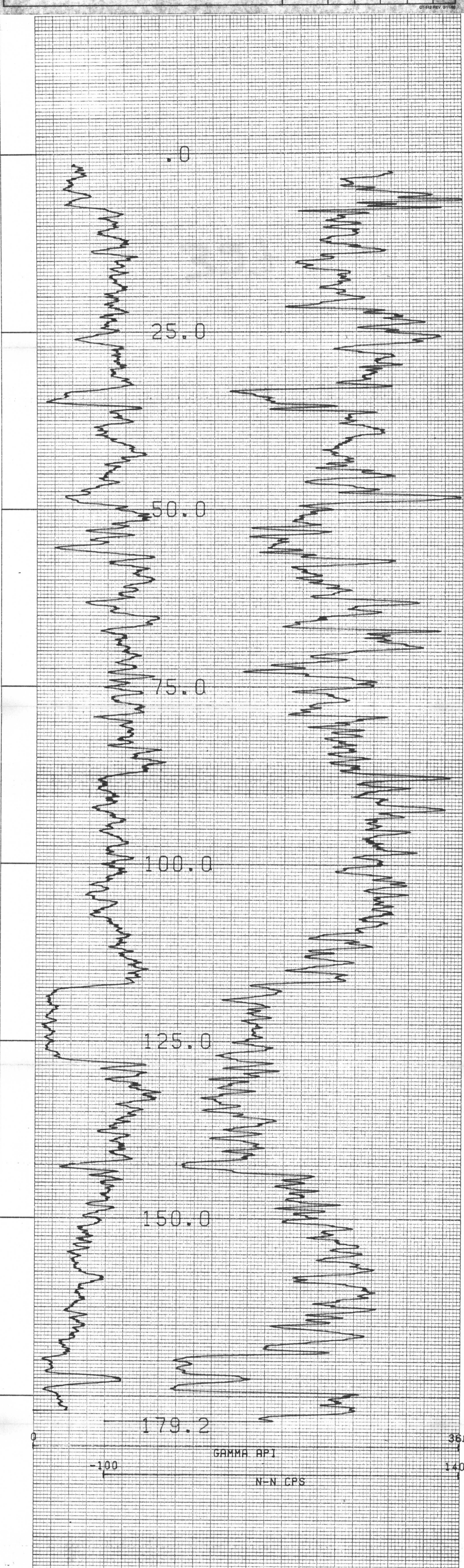
EQUIPMENT DATA

PROBE MODEL	9010	9020	90555	9090
PROBE DIAMETER	1.87"	2.0"	1.87"	1.4"
DETECTOR TYPE	NaI	NaI	NaI	NaI
DETECTOR SIZE	3.05" x 1.20"	1.10" x 4.0"	3.75" x 4.0"	3" x 3.0"
STD. K FACTOR	1.50 x 10 ⁻¹	---	5.00 x 10 ⁻¹	1.02 x 10 ⁻¹
STD. DEADTIME	1.44 μsec	---	1.10 μsec	1.44 μsec
CALIB. MODEL LOC.	---	---	---	---
CALIB. DATE	---	---	---	---
K FACTOR x 10 ⁻¹	---	---	---	---
DEADTIME μsec	---	---	---	---
TEST BEACON	---	---	---	---
WATER FACTOR	---	---	---	---
CASING FACTOR	---	---	---	---
SCALE	---	---	15 API	---
DETECTOR TYPE	---	---	NaI	---
DETECTOR SIZE	---	---	5" x 1.5"	3" x 3.0"
SOURCE TYPE	---	---	Ca ¹³⁷	Ca ¹³⁷
SOURCE NO.	---	---	---	---
SOURCE STRENGTH	---	---	---	---
SOURCE SPACING	---	---	---	---
DETECTOR TYPE	---	---	NaI	---
DETECTOR SIZE	---	---	1.0" x 6.0"	---
SOURCE TYPE	---	---	AmBe	---
SOURCE NO.	---	---	11-244	---
SOURCE STRENGTH	---	---	16	---
SOURCE SPACING	---	---	45.7cm	---
(NAI 5720)	---	---	1.2	---
(Ca ¹³⁷)	---	---	155	---
SCALE	---	---	15/100 API	---
SINCL. PT. RESISTANCE	1.40 x 25%	---	1.40 x 25%	1.70 x 25%
RESISTIVITY	---	8" FOCUSED	---	---
SELF POTENTIAL	YES	---	YES	YES
TEMPERATURE	---	---	YES	---
DEVIATION	---	---	NO/YES	---
CALIPER	---	YES	---	---

HOLE DATA

TOTAL DEPTH - DRILLER: 150.0m BIT SIZE: 13.0cm
 TOTAL DEPTH - LOGGER: 179.2m CASING - TYPE & SIZE: 7cm
 TOTAL FOOTAGE LOGGED: 179.2m CASING DEPTH: 6m
 LOGGING SPEED: 1.0m/min. BOREHOLE FLUID: WATER
 REFERENCE LEVEL: TOP OF WELL STEM FLUID RESISTIVITY: @ 'F
 PROBE NO.: 9055A-050 SOFTWARE LEVEL: V9L1
 TAPE #: 10 SCALE SELECTION: OPERATOR/CLIENT
 TRACK #: 3

REMARKS: SDS DRILLING CO.
 VERTICAL SCALE: 2.5m/foot
 VERTICAL SCALE: 5m/foot EXPANDED 1879
 SCALES: NAT GANI 15 API
 NEUTRON 75/100 CPS.



COMPU-LOG V8L2 PLOT 06-10-82
 (R.H.) 1791
 FORDING COAL LTD.
 ELKFORD B.C.
 HOLE DIAMETER: 13.0
 PROBE # 9055A - 050
 SENSOR #4 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 155
 SENSOR #4 CAL BIAS = 0
 DATA V8L2 TRUCK # 7921
 D. FERGUSON APPL. #1007L

CENTURY GEOPHYSICAL CORP



CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

K-Fording River 82 (2A)

BOREHOLE (R.N.) 1792

DATE 05/31/82

UNIT OPERATOR 7921 DFERGUSON

FIELD OFFICE ELK FORD

COMPANY: FORDING CORP. LTD. **327**

BOREHOLE: (R.N.) 1792

AREA: ELK FORD

COUNTY: BRITISH COLUMBIA

SECTION: TOWNSHIP: RANGE:

EQUIPMENT DATA

PROBE MODEL	900	900	90005	900
PROBE DIAMETER	1.87"	2.8"	1.87"	1.4"
DETECTOR TYPE	NA	NA	NA	NA
STD. K FACTOR	205 ± 1.25	1105 ± 45	875 ± 45	57 ± 2.0
STD. COUNT RATE	1.50 × 10 ⁻³	---	500 ± 10 ⁻³	1.82 × 10 ⁻³
CAUS. MODEL LOC.	1.11 MC	---	1.10 MC	1.11 MC
CAUS. DATE	---	---	---	---
K-FACTOR × 10 ⁻³	---	---	---	---
DEADTIME	22.0 MC	---	---	---
TEST FACTOR	---	---	---	---
WATER FACTOR	---	---	---	---
CASING FACTOR	---	---	---	---
SCALE	---	---	ISAAP	---
DETECTOR TYPE	---	NA	---	NA
DETECTOR SIZE	---	5" x 15"	---	5" x 15"
SOURCE TYPE	---	Ca ²²²	---	Ca ²²²
SOURCE NO.	---	---	---	---
SOURCE STRENGTH	---	---	---	---
SOURCE SPACING	---	---	---	---
DETECTOR TYPE	---	---	10"	---
DETECTOR SIZE	---	---	12" x 60"	---
SOURCE TYPE	---	---	Am ²⁴¹	---
SOURCE NO.	---	---	91-1244	---
SOURCE STRENGTH	---	---	16	---
SOURCE SPACING	---	---	45.1 cm	---
CALL STD	---	---	152	---
CALL RUN	---	---	155	---
SCALE	---	---	50/200 CPS	---
SMGL. PT. RESISTANCE	1.40 x 251	---	1.40 x 251	1.40 x 251
RESISTIVITY	---	8" FOCUSED	---	---
SELF POTENTIAL	YES	---	YES	YES
TEMPERATURE	---	---	YES	---
DEVIATION	---	---	NO/YES	---
CALIBER	---	YES	---	---

HOLE DATA

TOTAL DEPTH - DRILLER: 100.2 m. BIT SIZE: 130 cm.

TOTAL DEPTH - LOGGER: 200.1 m. CASING - TYPE & SIZE: STEEL

TOTAL FOOTAGE LOGGED: 200.1 m. CASING DEPTH: 0.6 m.

LOGGING SPEED: 18 m/min. BOREHOLE FLUID: WATER

REFERENCE LEVEL: TOP OF DRILL STEM. FLUID RESISTIVITY: @ °F

PROBE NO.: 9054A-50. SOFTWARE LEVEL: V91

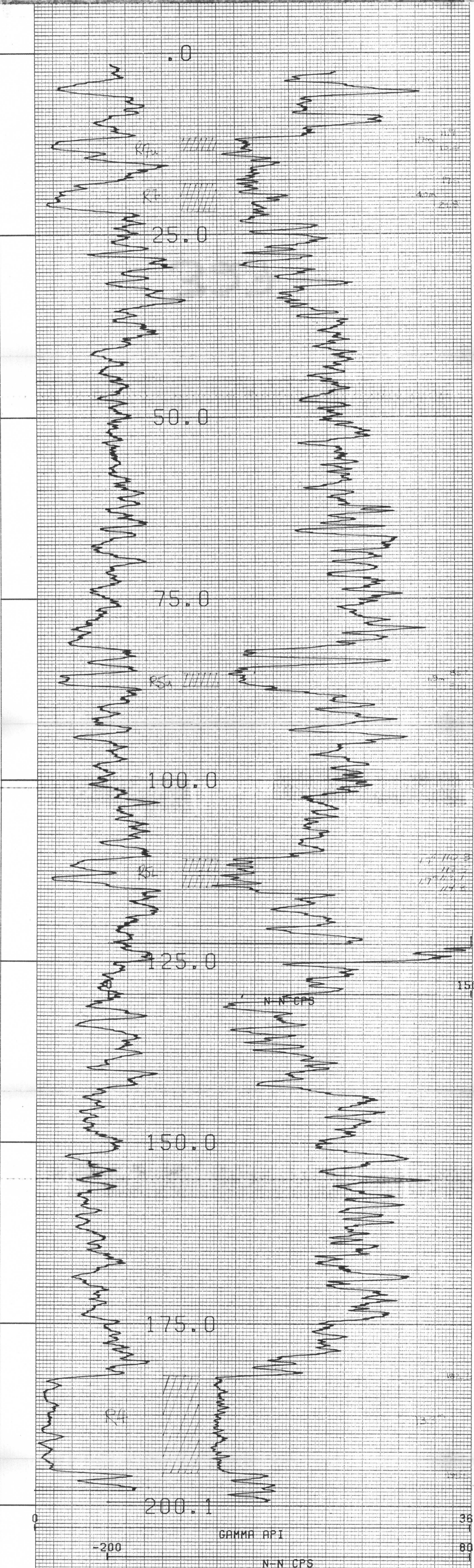
TAPE # 4. SCALE SELECTION: OPERATOR ADJUTANT

REMARKS: S.D.S. DRILLING CO.

VERTICAL SCALE: 1 Sm/div

VERTICAL SCALE: 5m/div. EXPANDED LOGS

SCALES: NAT GAM 15 API. NEUTRON 50/200 CPS. NEUTRON (2 - 122.5 m) 75/0 CPS



СЕНТУРА ГЕОФІЗИКАЛ СОФР

СЕНТУРА ГЕОФІЗИКАЛ СОФР

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K - Fording River 82/32



CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

BOREHOLE (R.H.) 1793 DATE 06/19/82
UNITS/OPERATOR 7921 D. FERGUSON FIELD OFFICE ELKFORD

COMPANY **FORDING COAL LTD.**
BOREHOLE (R.H.) 1793
AREA **ELKFORD**
COUNTY **BRITISH COLUMBIA**
SECTION _____ TOWNSHIP _____ ELEVATION _____ STATE **BRITISH COLUMBIA** RANGE _____

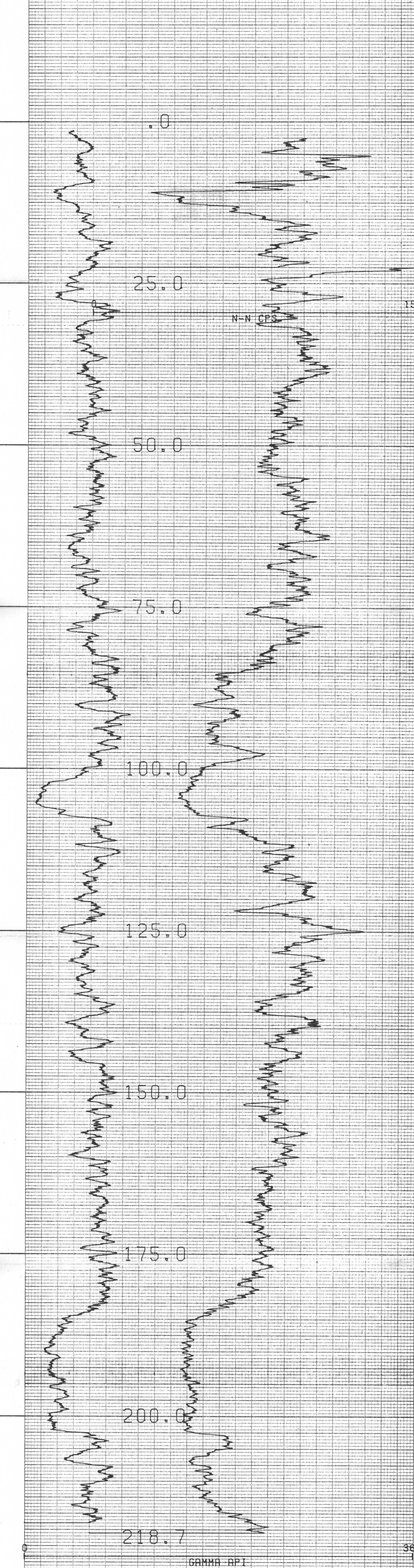
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EQUIPMENT DATA

PROBE MODEL	9010	9020	9030S	9040
PROBE DIAMETER	1.0"	2.0"	1.0"	1.0"
DETECTOR TYPE	Nd	Nd	Nd	Nd
DETECTOR SIZE	200" x 1.20"	1.100" x 4.0"	200" x 4.0"	3" x 3.0"
OTG K FACTOR	1.00 x 10 ⁻³	---	1.00 x 10 ⁻³	1.00 x 10 ⁻³
STD. DEATH TIME	1.00 min	---	1.00 min	1.00 min
CALIB. MODEL LOC.	---	---	---	---
CALIB. DATE	---	---	---	---
K FACTOR x 10 ⁻³	---	---	---	---
TEST READING	---	---	---	---
NATURAL GAMMA	---	---	---	---
WATER FACTOR	---	---	---	---
SCALE	---	---	15 APD	---
DETECTOR TYPE	---	Nd	---	Nd
DETECTOR SIZE	---	3" x 1.5"	---	3" x 3.0"
SOURCE TYPE	---	Ca ⁴⁰	---	Ca ⁴⁰
SOURCE NO.	---	---	---	---
SOURCE STRENGTH	---	---	---	---
SOURCE SPACING	---	---	---	---
DETECTOR TYPE	---	---	Nd	---
DETECTOR SIZE	---	---	1.0" x 6.0"	---
SOURCE TYPE	---	---	Na ²²	---
SOURCE STRENGTH	---	---	71.724	---
SOURCE SPACING	---	---	10	---
SCALE	---	---	450 CPS	---
SCALE	---	---	155	---
SCALE	---	---	SE/200 CPS	---
SINGLE POINT RESISTANCE	1.00 x 10 ³	---	1.00 x 10 ³	1.00 x 10 ³
RESISTIVITY	---	F REQUIRED	---	---
SELF POTENTIAL	YES	---	YES	YES
TEMPERATURE	---	---	YES	---
DEVIATION	---	---	NO/YES	---
CALIBER	---	YES	---	---

HOLE DATA
TOTAL DEPTH - DRILLER : 218.5m BIT SIZE : 13Cmm
TOTAL DEPTH - LOGGER : 218.7m CASING - TYPE & SIZE : STEEL
TOTAL FOOTAGE LOGGED : 218.7m CASING DEPTH : 6m
LOGGING SPEED : 18m/min BOREHOLE FLUID : WATER
REFERENCE LEVEL TOP OF WELL STEM FLUID RESISTIVITY : @ 4F
PROBE NO. 9055A : 50 SOFTWARE LEVEL : V8L1 OPERATOR : D. FERGUSON
TAPE # 10 SCALE SELECTION : CLIENT
TRACK # 2

REMARKS: S.D.S. DRILLING CO.
VERTICAL SCALE 2.5m/div.
VERTICAL SCALE 5m/div EXPANDED LOGS
SCALES: NAT GAM 15 APD
NEUTRON 50/200 CPS
NEUTRON (0-22.5m) 75/0 CPS.



COMPU-LOG V8L2 PLOT 06-10-82
(R.H.) 1793
FORDING COAL LTD.
ELKFORD B.C.
HOLE DIAMETER : 13.0
PROBE # 9055A - 050
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RUN CPS = 155
SENSOR #4 CAL BIAS = 0
DATA V8L2 TRUCK # 7921
D. FERGUSON APPL #1007L

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CENTURY GEOPHYSICAL CORP

K-Ford River 826h +

CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

COMPANY: FORDING COAL LTD
BOREHOLE: (R.H.) 1794
AREA: ELKFORD
COUNTY: ELKFORD
STATE: BRITISH COLUMBIA

BOREHOLE: (R.H.) 1794
DATE: 06/12/82
UNIT/OPERATOR: 7921 D. FERGUSON
FIELD OFFICE: ELKFORD

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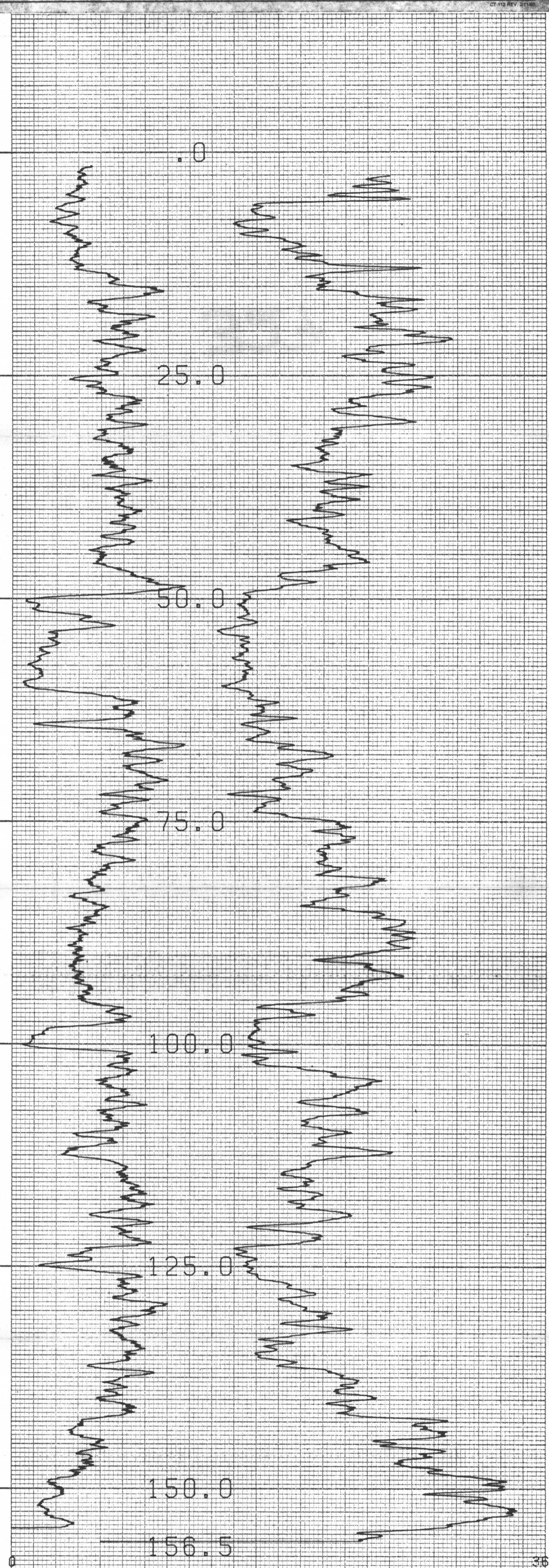
EQUIPMENT DATA

PROBE MODEL	9110	9200	9205S	9300
PROBE DIAMETER	1.87"	2.25"	1.87"	1.87"
DETECTOR TYPE	NaI	NaI	NaI	NaI
DETECTOR SIZE	3.75" x 1.25"	1.125" x 4.5"	3.75" x 4.5"	5" x 3.5"
STD. K FACTOR	1.50 x 10 ⁻¹	---	3.55 x 10 ⁻¹	1.82 x 10 ⁻¹
STD. DEADTIME	1.40mc	---	1.10/mc	1.40mc
STD. MODEL LOC.	---	---	---	---
CALIB. DATE	---	---	---	---
K FACTOR x 10 ⁻¹	---	---	---	---
DEADTIME	1.40mc	---	---	---
TEST READING	---	---	---	---
WATER FACTOR	---	---	---	---
CORRECTION FACTOR	---	---	---	---
SCALE	---	---	15 API	---
DETECTOR TYPE	---	NaI	---	---
DETECTOR SIZE	---	5" x 1.5"	---	---
SOURCE TYPE	---	Ca ⁴⁰	---	Ca ⁴⁰
SOURCE NO.	---	---	---	---
SOURCE STRENGTH	---	---	---	---
SOURCE SPACING	---	---	---	---
DETECTOR TYPE	---	---	NaI	---
DETECTOR SIZE	---	---	1.87" x 1.87"	---
SOURCE TYPE	---	---	AmBk	---
SOURCE NO.	---	---	71-F-744	---
SOURCE STRENGTH	---	---	152	---
SOURCE SPACING	---	---	45 cm	---
(CAL STD)	---	---	152	---
(CAL RUN)	---	---	155	---
SCALE	---	---	100/300 CPS	---
SING. PI RESISTANCE	1.470 x 2.91	---	1.470 x 2.91	1.170 x 2.91
RESISTIVITY	---	8" FOCUSED	---	---
SELF POTENTIAL	YES	---	YES	YES
TEMPERATURE	---	---	---	---
DEVIATION	---	---	NO YES	---
CALIBER	---	YES	---	---

HOLE DATA

TOTAL DEPTH - DRILLER: 157.5m
TOTAL DEPTH - LOGGER: 156.5m
TOTAL FOOTAGE LOGGED: 156.5m
LOGGING SPEED: 18m/min
REFERENCE LEVEL - P. OF DRILL STEM: ---
PROBE NO.: 9055A-050
TAPES: II
TRIM: 3
REMARKS: S.D.S. DRILLING CO.
VERTICAL SCALE: 2.5m/dw
VERTICAL SCALE: .5m/dw EXPANDED LOG.
SCALES: NPT GAM 15 API
NEUTRON 100/300 CPS

BIT SIZE: 13.0cm
CASING - TYPE & SIZE: 5" x 1.315"
CASING DEPTH: 4m
BOREHOLE FLUID: WATER
FLUID RESISTIVITY: @ °F
SOFTWARE LEVEL: V9L1
SCALE SELECTION: OPERATOR
CLIENT:



COMPU-LOG V0L2 PLOT 06-12-82
(R.H.) 1794
FORDING COAL LTD
ELKFORD B.C.
HOLE DIAMETER: 13.0
PROBE # 9055A - 050
SENSOR #4 CAL STD CPS = 152
SENSOR #4 CAL RUN CPS = 155
SENSOR #4 CAL BIAS = 0
DATA V0L2 TRUCK # 7921
D. FERGUSON APPL. #1007L

CENTURY GEOPHYSICAL CORP

CT-112 REV. 2/1/80

R-ferguson live 886

COMPU-LOG V8L2 PLOT 05-07-82

(R.H.) 1795

FORDING COAL LTD.

ELKFORD B.C.

HOLE DIAMETER = 13.0

PROBE # 9055A - 050

SENSOR #4 CAL STD CPS = 152

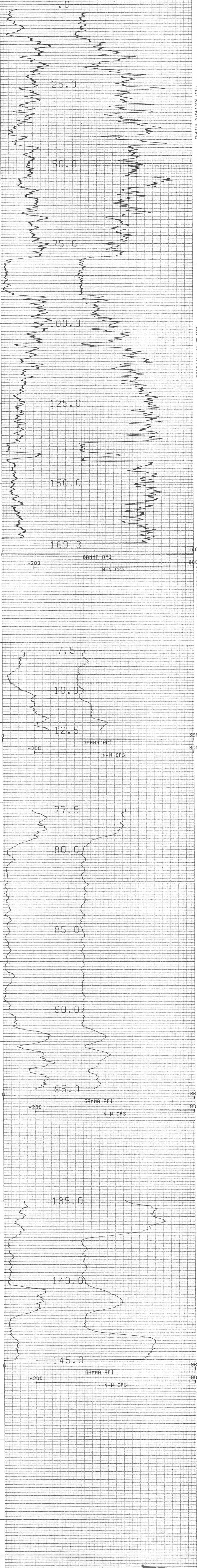
SENSOR #4 CAL RUN CPS = 155

SENSOR #4 CAL BIAS = 0

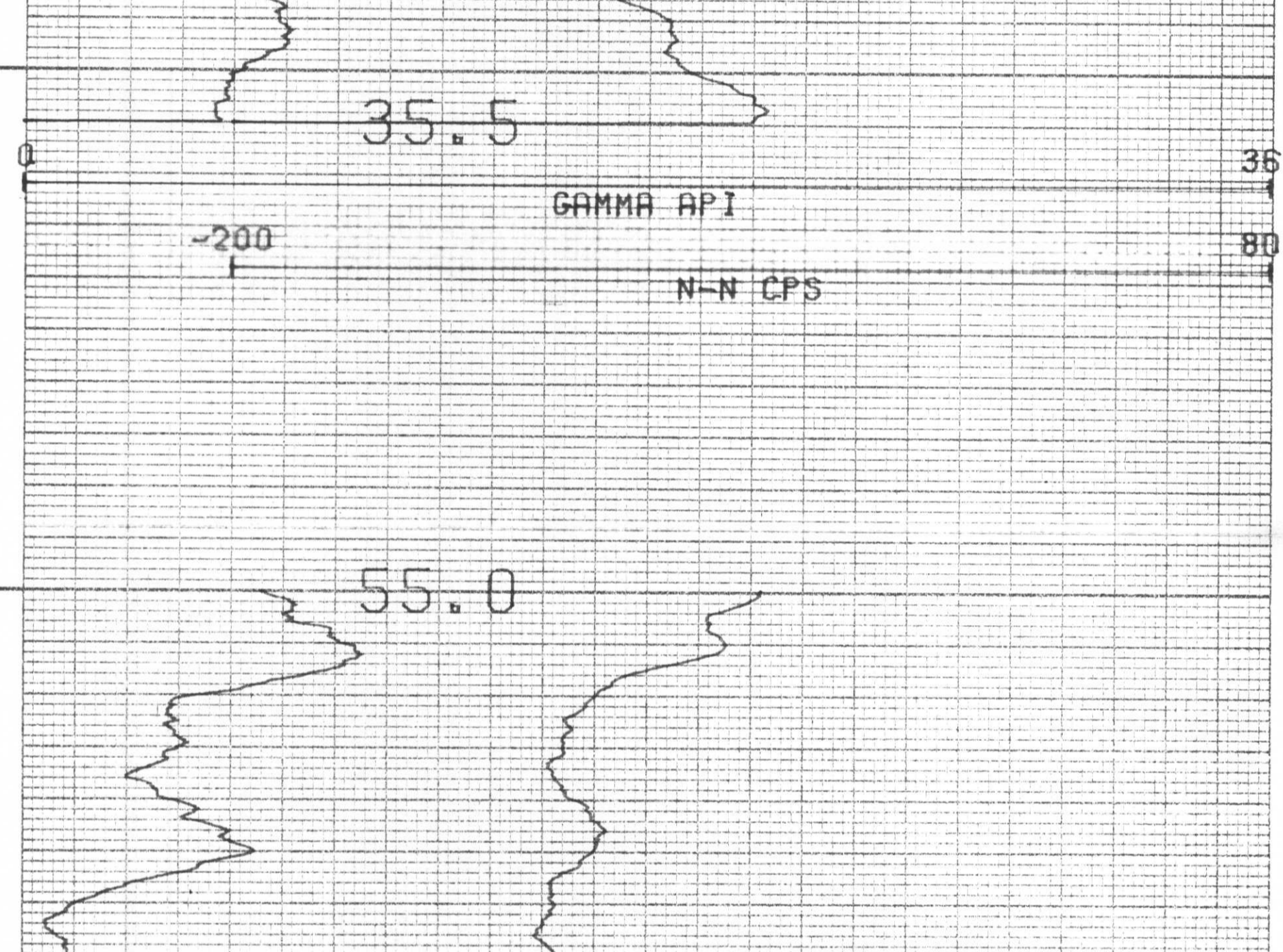
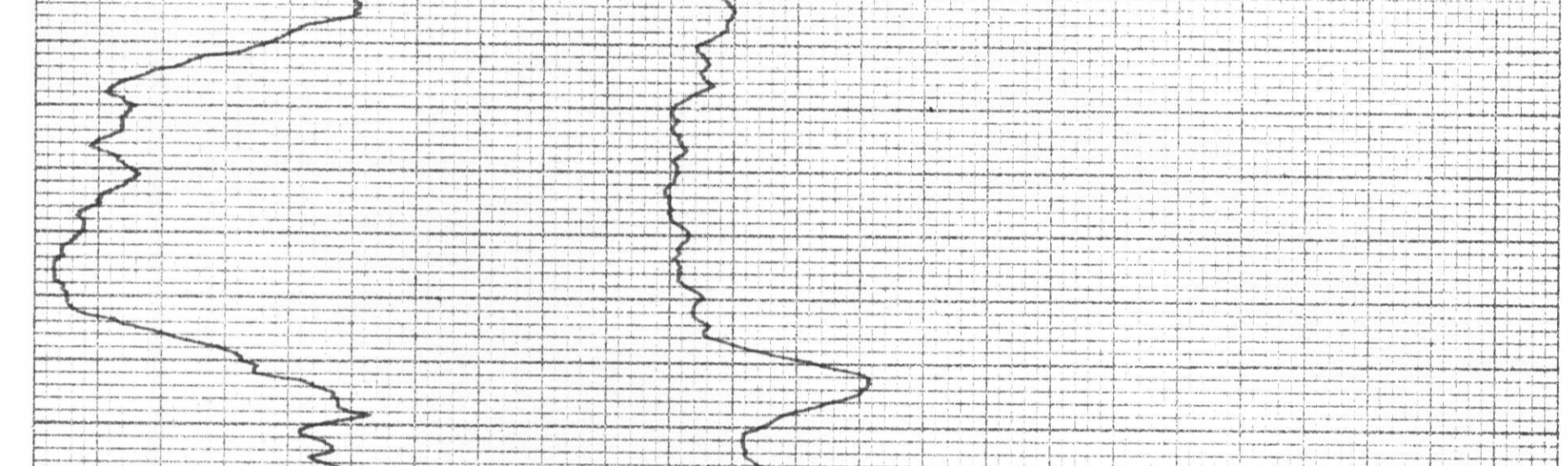
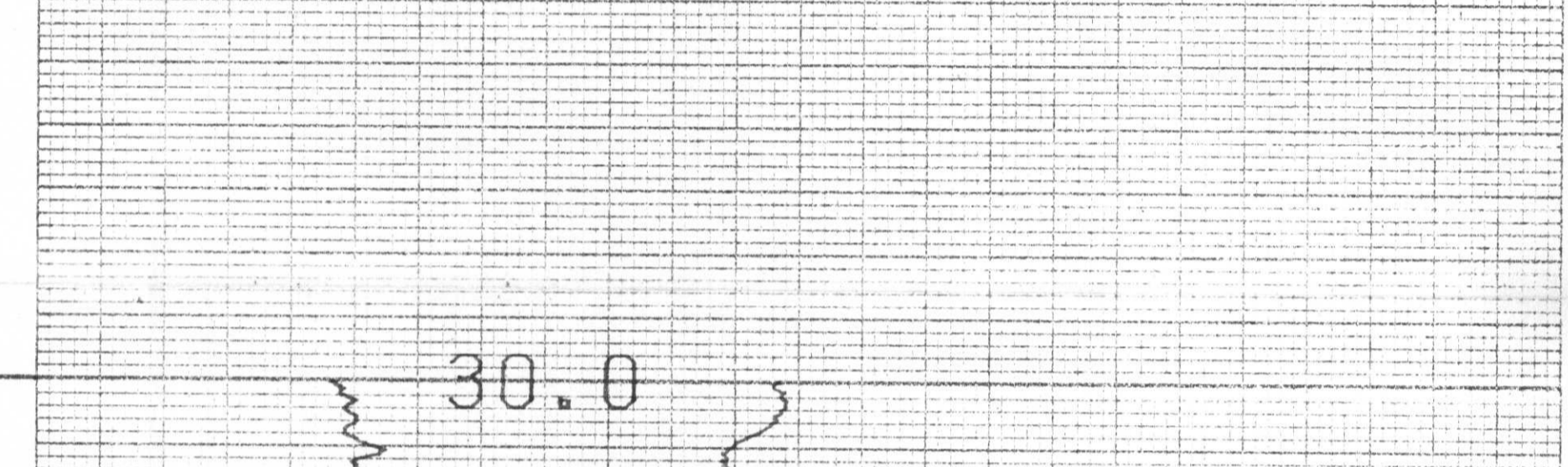
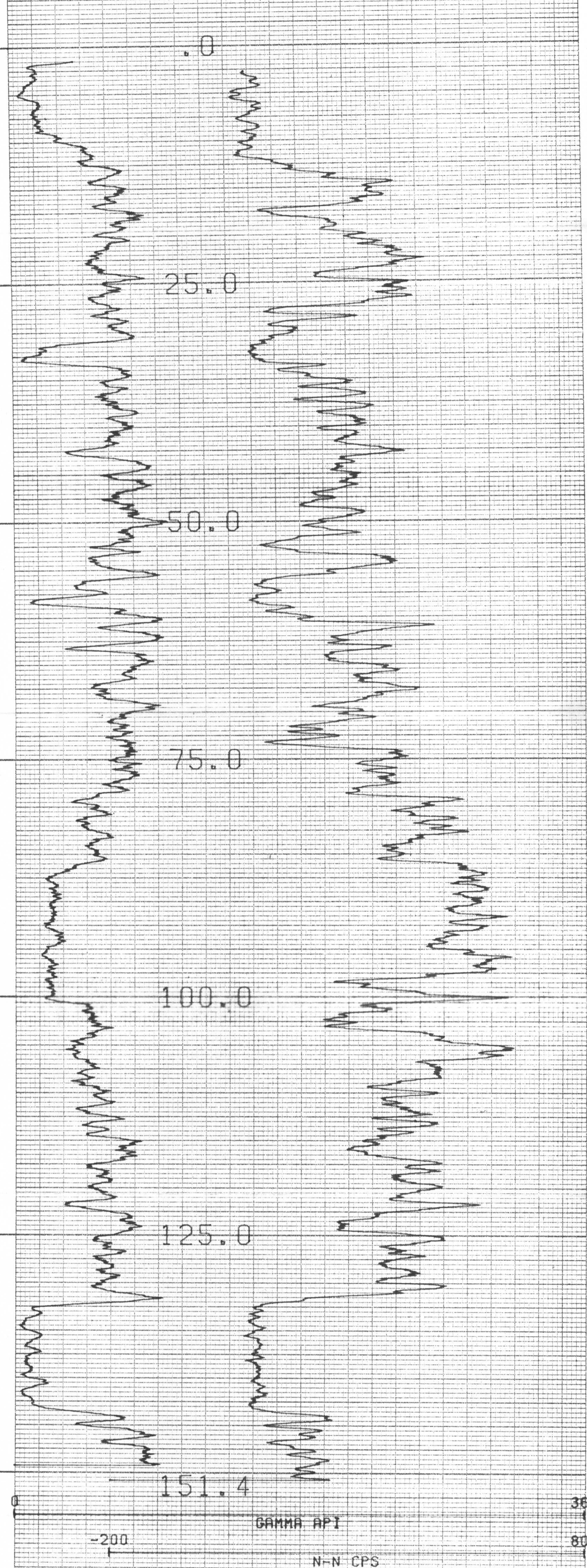
DATA V8L1 TRUCK # 7921

D. FERGUSON APPL #1007 K

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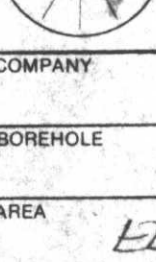
K-ferrous river 82/31A

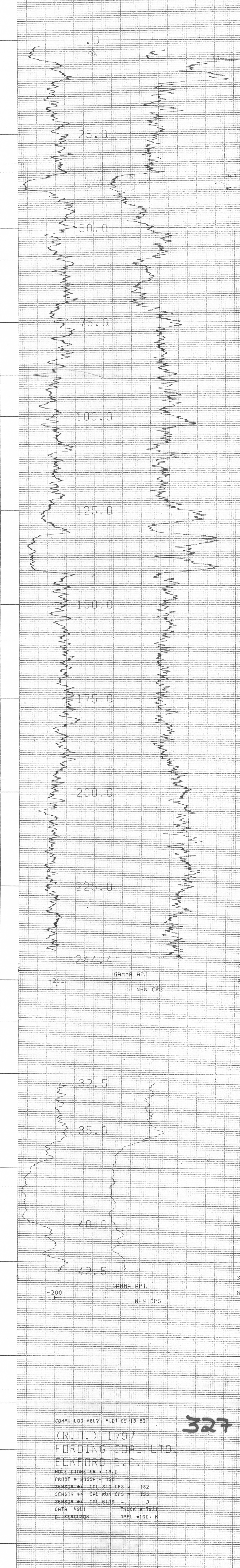


COMPU-LOG Vol.2 PLOT 05-10-82
 (R.H.) 1796
 FORDING COAL LTD.
 ELKFORD B.C.
 HOLE DIAMETER : 13.0
 PROBE # 9055A - 050
 SENSOR #4 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 155
 SENSOR #4 CAL BIAS = 0
 DATA VOL1 TRUCK # 7921
 D. FERGUSON APPL. #1007 K

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СЕМЛОВА ГЕОФИЗИКУТ СОББ

 CENTURY GEOPHYSICAL CORPORATION Tulsa, Oklahoma		BOREHOLE (R.H.) 1797 UNIT/OPERATOR 7921 D. FERGUSON	DATE 05/13/82 FIELD OFFICE ELKFORD
COMPANY FORDING COAL LTD. (R.H.) 1797		EQUIPMENT DATA	
AREA ELKFORD	ELEVATION	PROBE MODEL 1.8" 2.1" 3.0" 3.6"	DETECTOR TYPE 1.8" 2.1" 3.0" 3.6"
COUNTY BRITISH COLUMBIA	STATE BRITISH COLUMBIA	STD. FACTOR 1.00 1.25 1.50 1.75	DETECTOR SIZE 1.8" x 1.25" 2.1" x 1.5" 3.0" x 2.1" 3.6" x 2.7"
SECTION	TOWNSHIP	CALIB. MODEL LOC. CALIB. DATE	STD. READING 1.00 1.25 1.50 1.75
HOLE DATA			
TOTAL DEPTH - DRILLER : 244.6 m	BIT SIZE : 130 mm	CASING - TYPE & SIZE : STEEL	CASING DEPTH : 61 m
TOTAL DEPTH - LOGGER : 244.4 m	LOGGING SPEED : 10 m/min	BOREHOLE FLUID : WATER	FLUID RESISTIVITY : @ F
TOTAL FOOTAGE LOGGED : 244.4 m	REFERENCE LEVEL : TOP OF MILL SEGMENT	SOFTWARE LEVEL : V9L1	OPERATOR : CLIENT
PROBE NO : 9058A: 50	SCALE SELECTION : NAT. GRM. 15 AP	SCALE SELECTION : NEUTRON 50/200 CPS	SCALE SELECTION :
TAPE # 2 TRACK # 3	REMARKS: S.D.S DRILLING CO. VERTICAL SCALE 2.5m/div. VERTICAL SCALE .5m/div EXPANDED LOG. SCALES: NAT. GRM. 15 AP NEUTRON 50/200 CPS.		

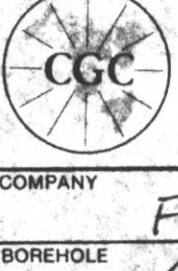


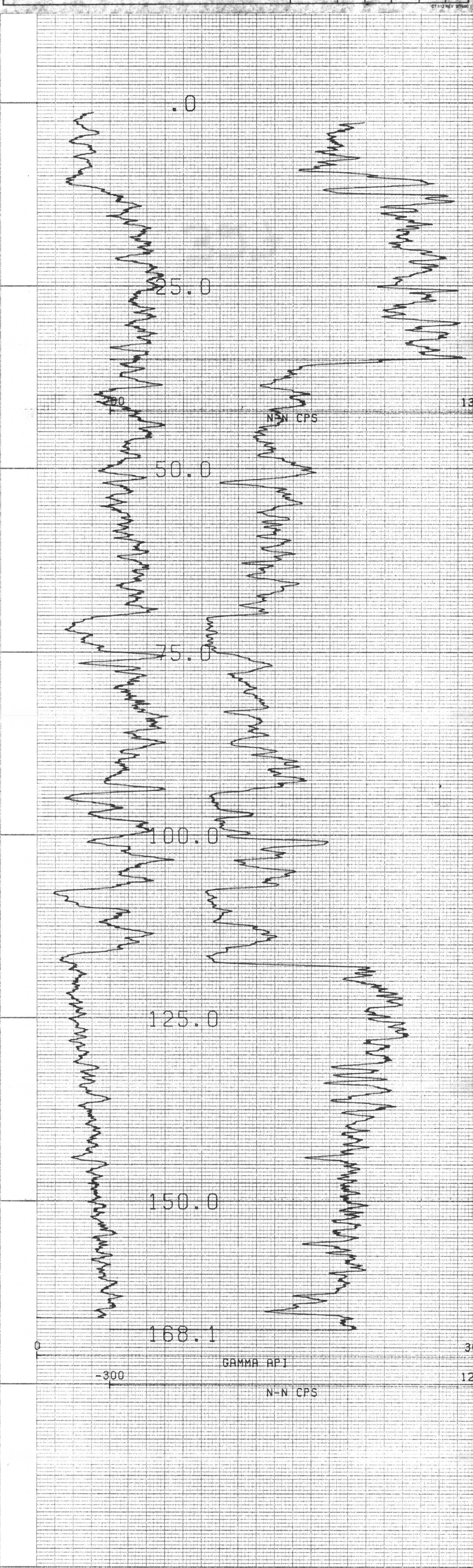
COMPU-LOG V8L2 PLOT 05-13-82
 (R.H.) 1797
 FORDING COAL LTD.
 ELKFORD B.C.
 HOLE DIAMETER = 13.0
 PROBE # 9058A - OSD
 SENSOR #4 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 155
 SENSOR #4 CAL BIAS = 0
 DATA V9L1 TRUCK # 7921
 D. FERGUSON APPL. #1007 K

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K-ferrous River station

CENTURY GEOPHYSICAL CORPORATION

 CENTURY GEOPHYSICAL CORPORATION Tulsa, Oklahoma		BOREHOLE (R.H.) 1798	DATE 08/12/82																																																																						
COMPANY FORDING COAL LTD.		UNIT OPERATOR 7921 D. FERGUSON	FIELD OFFICE ELKFORD.																																																																						
BOREHOLE (R.H.) 1798		EQUIPMENT DATA																																																																							
AREA ELKFORD		<table border="1"> <tr> <th>PROBE MODEL</th> <th>SD1</th> <th>SD2</th> <th>SD3/5</th> <th>SD4</th> </tr> <tr> <td>PROBE DIAMETER</td> <td>1.8"</td> <td>2.0"</td> <td>1.8"</td> <td>1.8"</td> </tr> <tr> <td>DETECTOR TYPE</td> <td>NaI</td> <td>NaI</td> <td>NaI</td> <td>NaI</td> </tr> <tr> <td>DETECTOR SIZE</td> <td>3.0" x 1.25"</td> <td>1.0" x 1.0"</td> <td>3.0" x 1.0"</td> <td>3" x 3.0"</td> </tr> <tr> <td>STD. # FACTOR</td> <td>1.00 x 10⁻³</td> <td>—</td> <td>3.00 x 10⁻⁴</td> <td>1.00 x 10⁻³</td> </tr> <tr> <td>STD. DEADTIME</td> <td>1.24µsec</td> <td>—</td> <td>1.16µsec</td> <td>1.24µsec</td> </tr> <tr> <td>CALIB. MODEL LOC.</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>CALIB. DATE</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>K FACTOR x 10⁻³</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>DEADTIME µsec</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>TEST READING</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>WATER FACTOR</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>CASING FACTOR</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>SCALE</td> <td>—</td> <td>—</td> <td>15 API</td> <td>—</td> </tr> </table>		PROBE MODEL	SD1	SD2	SD3/5	SD4	PROBE DIAMETER	1.8"	2.0"	1.8"	1.8"	DETECTOR TYPE	NaI	NaI	NaI	NaI	DETECTOR SIZE	3.0" x 1.25"	1.0" x 1.0"	3.0" x 1.0"	3" x 3.0"	STD. # FACTOR	1.00 x 10 ⁻³	—	3.00 x 10 ⁻⁴	1.00 x 10 ⁻³	STD. DEADTIME	1.24µsec	—	1.16µsec	1.24µsec	CALIB. MODEL LOC.	—	—	—	—	CALIB. DATE	—	—	—	—	K FACTOR x 10 ⁻³	—	—	—	—	DEADTIME µsec	—	—	—	—	TEST READING	—	—	—	—	WATER FACTOR	—	—	—	—	CASING FACTOR	—	—	—	—	SCALE	—	—	15 API	—
PROBE MODEL	SD1	SD2	SD3/5	SD4																																																																					
PROBE DIAMETER	1.8"	2.0"	1.8"	1.8"																																																																					
DETECTOR TYPE	NaI	NaI	NaI	NaI																																																																					
DETECTOR SIZE	3.0" x 1.25"	1.0" x 1.0"	3.0" x 1.0"	3" x 3.0"																																																																					
STD. # FACTOR	1.00 x 10 ⁻³	—	3.00 x 10 ⁻⁴	1.00 x 10 ⁻³																																																																					
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CALIB. DATE	—	—	—	—																																																																					
K FACTOR x 10 ⁻³	—	—	—	—																																																																					
DEADTIME µsec	—	—	—	—																																																																					
TEST READING	—	—	—	—																																																																					
WATER FACTOR	—	—	—	—																																																																					
CASING FACTOR	—	—	—	—																																																																					
SCALE	—	—	15 API	—																																																																					
COUNTY BRITISH COLUMBIA		<table border="1"> <tr> <th>DENSITY</th> <th>SD1</th> <th>SD2</th> <th>SD3/5</th> <th>SD4</th> </tr> <tr> <td>DETECTOR TYPE</td> <td>—</td> <td>—</td> <td>NaI</td> <td>—</td> </tr> <tr> <td>DETECTOR SIZE</td> <td>—</td> <td>—</td> <td>1.8" x 1.8"</td> <td>—</td> </tr> <tr> <td>SOURCE TYPE</td> <td>—</td> <td>—</td> <td>AmBe</td> <td>—</td> </tr> <tr> <td>SOURCE NO.</td> <td>—</td> <td>—</td> <td>71-1521</td> <td>—</td> </tr> <tr> <td>SOURCE STRENGTH</td> <td>—</td> <td>—</td> <td>1 Ci</td> <td>—</td> </tr> <tr> <td>SOURCE SPACING</td> <td>—</td> <td>—</td> <td>40.1cm</td> <td>—</td> </tr> <tr> <td>CAL. STD.</td> <td>—</td> <td>—</td> <td>152</td> <td>—</td> </tr> <tr> <td>CAL. RUN</td> <td>—</td> <td>—</td> <td>159</td> <td>—</td> </tr> <tr> <td>SCALE</td> <td>—</td> <td>—</td> <td>75/200 CPS</td> <td>—</td> </tr> </table>		DENSITY	SD1	SD2	SD3/5	SD4	DETECTOR TYPE	—	—	NaI	—	DETECTOR SIZE	—	—	1.8" x 1.8"	—	SOURCE TYPE	—	—	AmBe	—	SOURCE NO.	—	—	71-1521	—	SOURCE STRENGTH	—	—	1 Ci	—	SOURCE SPACING	—	—	40.1cm	—	CAL. STD.	—	—	152	—	CAL. RUN	—	—	159	—	SCALE	—	—	75/200 CPS	—																				
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SECTION TOWNSHIP RANGE		<table border="1"> <tr> <th>NEUTRON</th> <th>SD1</th> <th>SD2</th> <th>SD3/5</th> <th>SD4</th> </tr> <tr> <td>DETECTOR TYPE</td> <td>—</td> <td>—</td> <td>NaI</td> <td>—</td> </tr> <tr> <td>DETECTOR SIZE</td> <td>—</td> <td>—</td> <td>3" x 1.8"</td> <td>—</td> </tr> <tr> <td>SOURCE TYPE</td> <td>—</td> <td>—</td> <td>—</td> <td>3" x 3.0"</td> </tr> <tr> <td>SOURCE NO.</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>SOURCE STRENGTH</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>SOURCE SPACING</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>CAL. STD.</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>CAL. RUN</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>SCALE</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> </table>		NEUTRON	SD1	SD2	SD3/5	SD4	DETECTOR TYPE	—	—	NaI	—	DETECTOR SIZE	—	—	3" x 1.8"	—	SOURCE TYPE	—	—	—	3" x 3.0"	SOURCE NO.	—	—	—	—	SOURCE STRENGTH	—	—	—	—	SOURCE SPACING	—	—	—	—	CAL. STD.	—	—	—	—	CAL. RUN	—	—	—	—	SCALE	—	—	—	—																				
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CAL. RUN	—	—	—	—																																																																					
SCALE	—	—	—	—																																																																					
HOLE DATA																																																																									
TOTAL DEPTH — DRILLER :		BIT SIZE : 130 cm.																																																																							
TOTAL DEPTH — LOGGER : 168.1 m.		CASING — TYPE & SIZE : STEEL																																																																							
TOTAL FOOTAGE LOGGED : 168.1 m.		CASING DEPTH : 12.1 m.																																																																							
LOGGING SPEED : 1.8 m/min.		BOREHOLE FLUID : WATER.																																																																							
REFERENCE LEVEL : TOP OF DRILL STEM		FLUID RESISTIVITY : @ °F																																																																							
PROBE NO. 9055A : 245		SOFTWARE LEVEL : 8.2 * A																																																																							
OPERATOR :		CLIENT :																																																																							
SCALE SELECTION :		SCALE SELECTION :																																																																							
REMARKS : S.D.S. DRILLING CO.																																																																									
VERTICAL SCALE 2.5m/div. VERTICAL SCALE .5m/div EXPANDED LEGS.																																																																									
SCALES : NAT GAM. 15 API. NEUTRON 75/300 CPS. NEUTRON (0-35m) 75/200 CPS.																																																																									



COMPU-LOG V012 PLOT 08-12-82

(R.H.) 1798
 FORDING COAL LTD.
 ELKFORD B.C.

HOLE DIAMETER : 13.0
 PROBE # 9055A - 245
 SENSOR #4 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 159
 SENSOR #4 CAL BIAS = 0
 DATA V012WA TRUCK # 7921
 D. FERGUSON APPL. #1007L1

K-FORDING RIVER 82/3A

CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

COMPANY: FORDING COAL LTD. **327**

BOREHOLE: (R.H.) 1799

AREA: ELKFORD

COUNTY: BRITISH COLUMBIA

STATE: BRITISH COLUMBIA

SECTION: TOWNSHIP: RANGE:

HOLE DATA

TOTAL DEPTH - DRILLER: 108.0m BIT SIZE: 13.0cm

TOTAL DEPTH - LOGGER: 108.0m CASING - TYPE & SIZE: STEEL

TOTAL FOOTAGE LOGGED: 108.0m CASING DEPTH: 5.8m

LOGGING SPEED: 18m/min BOREHOLE FLUID: WATER

REFERENCE LEVEL: 20' of PIPE FLUID RESISTIVITY: @ 'F

PROBE NO. 9055: 50 SOFTWARE LEVEL: V9L1

SCALE SELECTION: OPERATOR CLIENT

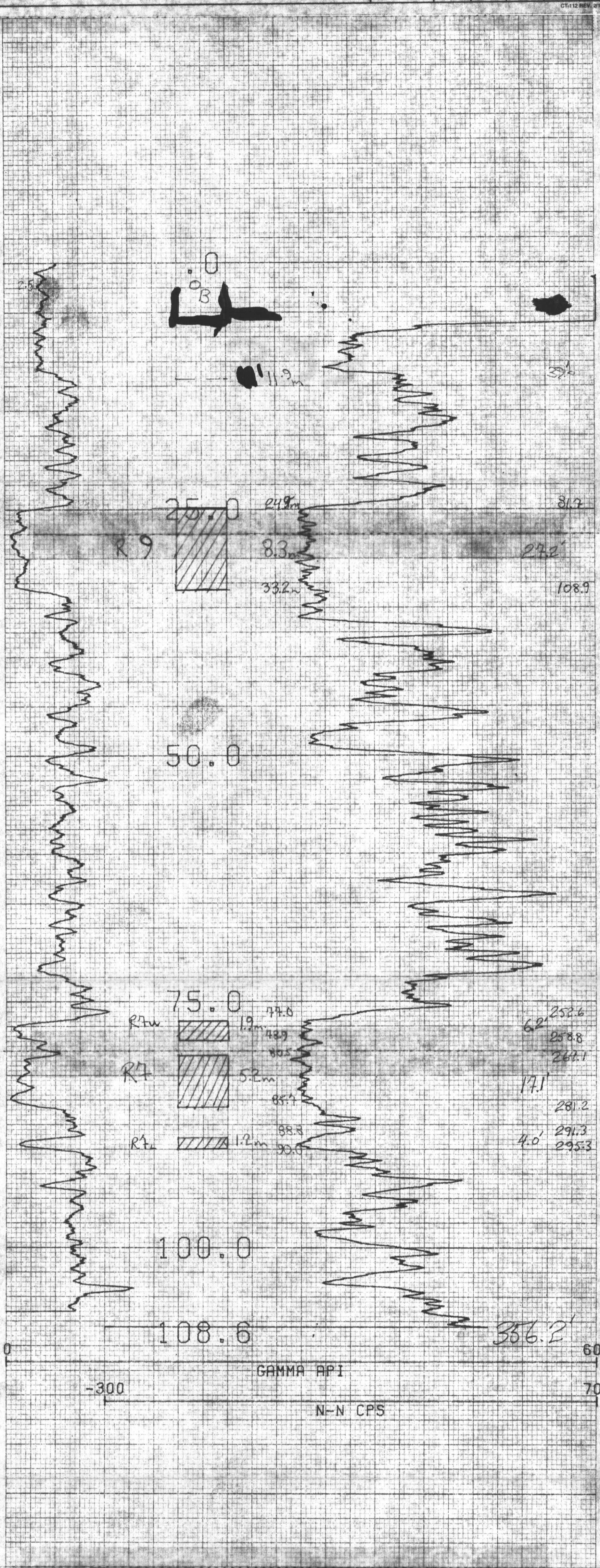
REMARKS: S.D.S. DRILLING CO.
VERTICAL SCALE 2.5m/div
VERTICAL SCALE 5m/div
SCALES: NAT GUM 20 111
NEUTRON 50/300 CPS

BOREHOLE: (R.H.) 1799 DATE: 05/04/82

UNIT/OPERATOR: D. FERGUSON FIELD OFFICE: ELKFORD

EQUIPMENT DATA

PROBE MODEL	3010	3020	3025S	3030
PROBE DIAMETER	1.87"	2.5"	1.87"	1.4"
DETECTOR TYPE	NaI	NaI	NaI	NaI
DETECTOR SIZE	8" x 1.25"	1.05" x 4.5"	8" x 4.5"	5" x 3.0"
STD. K FACTOR	1.58 x 10 ⁻³	---	5.98 x 10 ⁻³	1.82 x 10 ⁻³
STD. DEADTIME	1.44mc	---	1.1844mc	1.44mc
CALIB. MODEL LOC.	---	---	---	---
CALIB. DATE	---	---	---	---
K FACTOR x 10 ⁻³	---	---	---	---
DEADTIME (mc)	---	---	---	---
TEST READING	---	---	---	---
WATER FACTOR	---	---	---	---
CASING FACTOR	---	---	---	---
FILE	---	---	20.00	---
DETECTOR TYPE	---	---	---	---
DETECTOR SIZE	---	---	---	---
SOURCE TYPE	---	---	---	---
SOURCE NO.	---	---	---	---
SOURCE STRENGTH	---	---	---	---
SOURCE SPACING	---	---	---	---
DETECTOR TYPE	---	---	---	---
DETECTOR SIZE	---	---	---	---
SOURCE TYPE	---	---	---	---
SOURCE NO.	---	---	---	---
SOURCE STRENGTH	---	---	---	---
SOURCE SPACING	---	---	---	---
CAL. STD.	---	---	---	---
CAL. BIAS	---	---	---	---
SCALE	---	---	---	---
SNGL. PT. RESISTANCE	1.470 x 2.571	---	1.470 x 2.571	1.470 x 2.571
RESISTIVITY	---	---	---	---
SELF POTENTIAL	YES	---	YES	YES
TEMPERATURE	---	---	---	---
DEVIATION	---	---	NO / YES	---
CALIBER	---	---	---	---



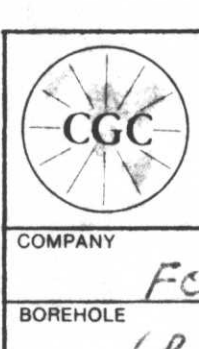
COMPU-LOG V8L2 PLOT 05-04-82

(R.H.) 1799
 FORDING COAL LTD.
 ELKFORD B.C.
 HOLE DIAMETER: 13.0
 PROBE # 9055A - 05D
 SENSOR #4 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 155
 SENSOR #4 CAL BIAS = 0
 DATA V9L1 TRUCK # 7921
 D. FERGUSON APPL. #1007 K

327

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

K - Fording River 80(3)A



CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

BOREHOLE: (RH) 1901
UNIT OPERATOR: R. Harrison
DATE: 07-01-82
FIELD OFFICE: ELKFORD

COMPANY: FORDING COAL LTD.
BOREHOLE: (B.H.) 1901
AREA: ELKFORD
COUNTY: ELKFORD
SECTION: _____ TOWNSHIP: _____ RANGE: B.C.

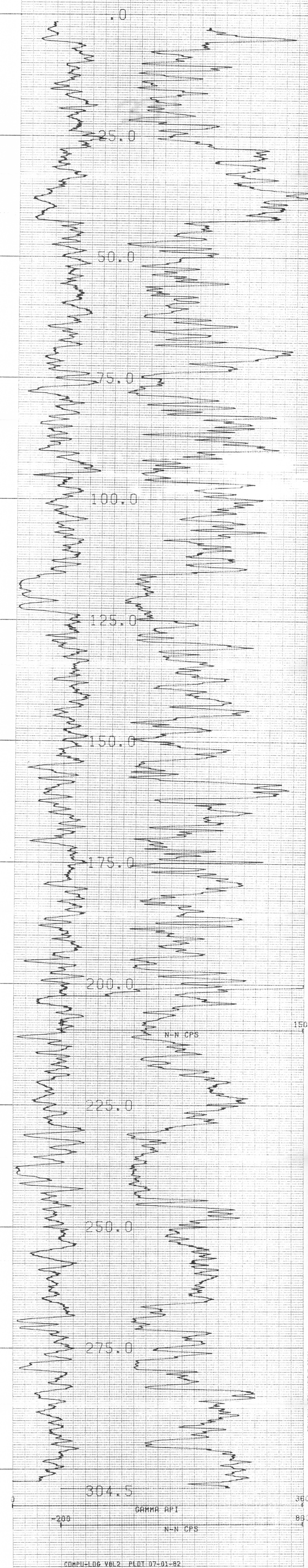
327

EQUIPMENT DATA

PROBE MODEL	810	800	5000S	500
PROBE DIAMETER	1.8"	1.8"	1.8"	1.8"
DETECTOR TYPE	NaI	NaI	NaI	NaI
DETECTOR SIZE	8.0" x 1.20"	1.00" x 4.5"	8.0" x 4.0"	5" x 3.0"
STD. K FACTOR	1.50 x 10 ⁻¹¹	---	5.00 x 10 ⁻¹¹	1.82 x 10 ⁻¹¹
STD. DEATH TIME	1.24µsec	---	1.10µsec	1.24µsec
CALIB. MODEL LOC.	---	---	---	---
CALIB. DATE	---	---	---	---
K FACTOR x 10 ⁻¹¹	---	---	---	---
DEATH TIME µsec	---	---	---	---
TEST READINGS	---	---	---	---
WATER FACTOR	---	---	---	---
CASING FACTOR	---	---	---	---
DETECTOR TYPE	---	NaI	---	NaI
DETECTOR SIZE	---	5" x 1.5"	---	5" x 3.0"
SOURCE NO.	---	04"	---	04"
SOURCE STRENGTH	---	---	---	---
SOURCE SPACING	---	---	---	---
DETECTOR TYPE	---	---	NaI	---
DETECTOR SIZE	---	---	1.0" x 6.0"	---
SOURCE TYPE	---	---	AmB	---
SOURCE NO.	---	---	11-7-2774	---
SOURCE STRENGTH	---	---	1.0	---
SOURCE SPACING	---	---	1.0"	---
NATURAL GAMMA	---	---	15.2	---
NEUTRON	---	---	135	---
SCALE	---	---	20/300	---
SMO. PT. RESISTANCE	1.40 x 2.51	---	1.40 x 2.51	1.10 x 2.51
RESISTIVITY	---	F. FOCUSED	---	---
SELF POTENTIAL	YES	---	YES	YES
TEMPERATURE	---	---	NO	YES
DEVIATION	---	---	YES	---
CALIBER	---	YES	---	---

HOLE DATA
 TOTAL DEPTH - DRILLER: 304.0 M BIT SIZE: 13.0 cm
 TOTAL DEPTH - LOGGER: 304.5 M CASING - TYPE & SIZE: Steel
 TOTAL FOOTAGE LOGGED: 304.5 M CASING DEPTH:
 LOGGING SPEED: 18 m/min BOREHOLE FLUID: H₂O
 REFERENCE LEVEL: Drill Floor FLUID RESISTIVITY: @ 1F
 PROBE NO: 9055A-50 SOFTWARE LEVEL: 6.91.1
 TAPE - 18 SCALE SELECTION: OPERATOR / CLIENT
 TRACK-1

REMARKS: S.D.S DRILLING
 Vertical
 Scale - 2.5 m/div
 Scale - (Expanded) .5 m/div
 Nat Gam - 15 API
 Neutron - 60/300 cps
 Deviation logged - Tape-18 / FR Track-2
 Total Depth - 243.14

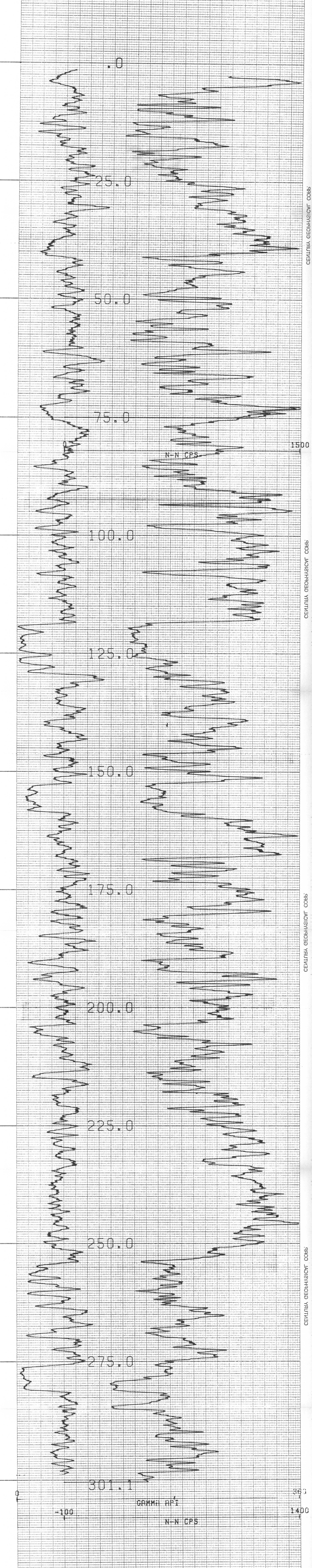


COMPU-LOG V012 PLOT 07-01-82
 (RH) 1901
 FORDING COAL LTD.
 ELKFORD B.C.
 HOLE DIAMETER: 13.0
 PROBE # 9055A-050
 SENSOR #1 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 155
 SENSOR #4 CAL BIAS = 0
 DATA V012 TRACK # 7921
 R. HARRISON APPL. #100711

СЕРИЯ ГЕОФИЗИЧЕСКОЕ СОБЪ

K - Fording River 82/3A +

CENTURY GEOPHYSICAL CORPORATION Tulsa, Oklahoma		BOREHOLE (R.H.) 1903	DATE 07/05/82
COMPANY FORDING COAL LTD.		UNIT/OPERATOR 7921 R. HARRISON	FIELD OFFICE ELKFORD
BOREHOLE (R.H.) 1903		EQUIPMENT DATA	
AREA ELKFORD	ELEVATION BRITISH COLUMBIA	PROBE MODEL 1.8" 2.0" 1.8" 1.8"	1.8" 1.8" 1.8" 1.8"
COUNTY ELKFORD	STATE BRITISH COLUMBIA	DETECTOR TYPE Na Na Na Na	Na Na Na Na
SECTION ELKFORD	RANGE BRITISH COLUMBIA	STD. FACTOR 1.89×10^{-1}	1.87×10^{-1}
HOLE DATA		CALIB DATE 14/82	14/82
TOTAL DEPTH - DRILLER 304.0 m.	BIT SIZE 13.0 cm.	K FACTOR $\times 10^{-1}$ 1.42	1.42
TOTAL DEPTH - LOGGER 301.1 m.	CASING - TYPE & SIZE STEEL	BEAMING μ sec 1.42	1.42
TOTAL FOOTAGE LOGGED 301.1 m.	CASING DEPTH STEEL	NATURAL GAMMA YES HEADING WATER FACTOR SCALE	15 API
LOGGING SPEED 18m/min.	BOREHOLE FLUID WATER.	DETECTOR TYPE SCALE	15 API
REFERENCE LEVEL TOP OF DRILL STEM	FLUID RESISTIVITY @ F	DETECTOR SIZE 5" x 18"	5" x 18"
PROBE NO. 9055A 50	SOFTWARE LEVEL 8.2 * A	SOURCE TYPE Ca	Ca
TAPE # 19	SCALE SELECTION OPERATOR ADJUTANT	SOURCE NO. 152	152
TRACK # 1		SOURCE STRENGTH 155	155
REMARKS S.D.S. DRILLING CO.		SENS. PT RESISTANCE 1.70 x 231	1.70 x 231
VERTICAL SCALE 2.5m/div		RESISTIVITY YES	YES
VERTICAL SCALE .5m/div EXPANDED LEGS		TEMPERATURE YES	YES
SCALES: NAT GAM 15 API.		DEVIATION NO / YES	NO / YES
NEUTRON		CALIPER YES	YES
DEVIATION LOG ALSO RAN. TD 220.8m.			



COMPU-LOG V0L2 PLOT 07-05-82
 (RH) 1903
 FORDING COAL LTD.
 ELKFORD B.C.
 HOLE DIAMETER : 13.0
 PROBE # 9055A - 050
 SENSOR #1 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 155
 SENSOR #4 CAL BIAS = 0
 DATA V0L2 TRUCK # 7921
 R. HARRISON APPL #1007L1

СЕРИЈА ГЕОФИЗИЧГ СОВБ
 СЕРИЈА ГЕОФИЗИЧГ СОВБ
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K-Fording River 82(3)A

BOREHOLE (R.H.) 1904 DATE 07/07/82
 UNIT OPERATOR 7921 D. FERGUSON FIELD OFFICE ELKFORD

EQUIPMENT DATA				
PROBE MODEL	3010	3020	3030S	3030
PROBE DIAMETER	1.8"	2.0"	1.8"	1.4"
DETECTOR TYPE	NaI	NaI	NaI	NaI
DETECTOR SIZE	3.0" x 1.25"	1.125" x 4.5"	3.0" x 4.0"	5" x 3.0"
STD. FACTOR	1.00 x 10 ⁻¹	—	3.00 x 10 ⁻¹	1.82 x 10 ⁻¹
STD. DEACTIME	1.24 sec	—	1.10 sec	1.24 sec
COUNT RATE	—	—	—	—
FUNCTION	—	—	—	—
TEST READING	—	—	—	—
WATER FACTOR	—	—	—	—
CASING FACTOR	—	—	—	—
SCALE	—	—	15API	—
DETECTOR TYPE	—	—	NaI	—
DETECTOR SIZE	—	—	5" x 1.5"	—
DETECTOR TYPE	—	—	NaI	—
DETECTOR SIZE	—	—	5" x 1.5"	—
SOURCE TYPE	—	—	Ca ⁴⁰	—
SOURCE NO.	—	—	—	—
SOURCE STRENGTH	—	—	—	—
SOURCE SPACING	—	—	—	—
DENSITY	—	—	—	—
DETECTOR TYPE	—	—	NaI	—
DETECTOR SIZE	—	—	1.0" x 0.8"	—
SOURCE TYPE	—	—	AmBi	—
SOURCE NO.	—	—	71-1-2444	—
SOURCE STRENGTH	—	—	164	—
SOURCE SPACING	—	—	45.7 cm	—
CAL STD.	—	—	152	—
CAL BIAS	—	—	155	—
SCALE	—	—	—	—
DETECT. RESISTANCE	1.40 x 2.0%	—	1.40 x 2.0%	1.40 x 2.0%
RESISTIVITY	—	—	IF PROVIDED	—
SELF POTENTIAL	YES	—	YES	YES
TEMPERATURE	—	—	YES	YES
IONIZATION	—	—	NO YES	—
CALIBR	—	YES	—	—

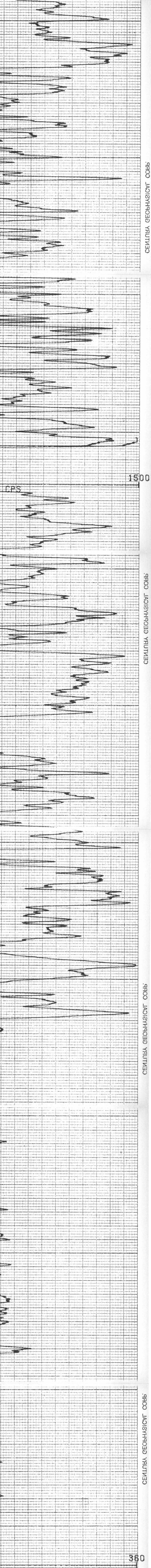
HOLES DATA	
TOTAL DEPTH - DRILLER	304.
TOTAL DEPTH - LOGGER	304.
TOTAL FOOTAGE LOGGED	304.
LOGGING SPEED	15m/min
REFERENCE LEVEL	TOPE OF DRILL STEM
PROBE NO.	9055A 50
TAPE #	19
TRACK #	3
REMARKS	S.D.S. DRILLING CO.

VERTICAL SCALE 2.5m/div.
 VERTICAL SCALE 5m/div. EXPANDED LOGS

SCALES: NAT GAM 15API
 NEUTRON 1

DURATION 1.25 hrs (2.5)

07-112 REV. 2/1/80



COMPU-LDG V8L2 PLOT 07-07-82
 (RH) 1904
 FORDING COAL LTD.
 ELKFORD B.C.
 HOLE DIAMETER = 1.8.0
 PROBE # 9055A - 050
 SENSOR #4 CAL STD CPS = 152
 SENSOR #4 CAL RUN CPS = 152
 SENSOR #4 CAL BIAS = 0
 DATA V8L2WA TRUCK # 7921
 PICHE APPL. #1007L1

СЕРИЈА ГЕОФИЗИЧКИХ СЪБИ

K-fordina Riler 82(3) 211

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1390A

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-15-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	.30	.20	.36	33.1	2.1	33.1
20.00	19.98	.62	.44	.76	35.2	2.2	37.1
30.00	29.96	.97	.91	1.33	43.3	3.3	53.6
40.00	39.93	1.22	1.59	2.01	52.4	4.1	69.6
50.00	49.89	1.48	2.46	2.88	59.0	5.2	73.4
60.00	59.84	1.49	3.49	3.80	66.8	5.8	89.4
70.00	69.75	1.57	4.74	4.99	71.6	7.1	86.3
80.00	79.63	1.58	6.18	6.38	75.6	8.3	89.5
90.00	89.51	1.36	7.70	7.82	79.9	8.8	98.2
100.00	99.37	1.09	9.26	9.33	83.2	9.1	99.7
110.00	109.21	.88	10.96	10.99	85.4	9.8	97.2
120.00	119.02	.60	12.84	12.85	87.3	10.9	98.2
130.00	128.82	.26	14.80	14.81	89.0	11.5	99.9
140.00	138.60	-.00	16.82	16.82	90.0	11.7	97.5
150.00	148.37	-.30	18.86	18.86	90.9	11.8	98.3
160.00	158.13	-.72	20.98	20.99	92.0	12.5	101.1
170.00	167.84	-1.38	23.19	23.23	93.4	13.3	106.6
180.00	177.53	-2.04	25.51	25.59	94.6	13.9	106.0
190.00	187.18	-2.28	28.04	28.13	94.7	14.7	95.4
200.00	196.83	-2.56	30.60	30.71	94.8	14.9	96.2
210.00	206.48	-3.25	33.10	33.25	95.6	14.9	105.3
220.00	216.06	-4.12	35.72	35.96	96.6	16.1	108.3
230.00	225.66	-5.06	38.26	38.59	97.5	15.7	110.2
240.00	235.26	-5.97	40.79	41.23	98.3	15.6	109.8
TD 244.00	239.09	-6.25	41.95	42.41	98.5	17.2	103.6

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1393

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-29-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	.15	135.9	.8	135.8
20.00	19.99	-.14	.31	.34	114.5	1.1	98.8
30.00	29.98	-.13	.76	.77	100.0	2.5	88.9
40.00	39.96	-.02	1.37	1.37	91.0	3.5	79.7
50.00	49.93	.01	2.13	2.13	89.7	4.3	87.3
60.00	59.87	.22	3.16	3.17	86.0	6.0	78.3
70.00	69.78	.31	4.47	4.48	86.0	7.5	86.2
80.00	79.67	.41	5.94	5.96	86.0	8.4	85.8
90.00	89.54	.60	7.52	7.54	85.4	9.1	83.1
100.00	99.39	.75	9.25	9.28	85.3	10.0	85.0
110.00	109.22	.91	11.03	11.07	85.3	10.3	84.9
120.00	119.03	.98	12.97	13.01	85.7	11.1	87.9
130.00	128.79	.92	15.10	15.12	86.5	12.2	91.7
140.00	138.52	.81	17.35	17.37	87.3	13.0	92.5
150.00	148.23	.76	19.72	19.73	87.8	13.7	91.3
160.00	157.92	.74	22.15	22.16	88.1	14.0	90.4
170.00	167.59	.75	24.66	24.67	88.2	14.5	89.6
180.00	177.24	.80	27.23	27.24	88.3	14.9	88.8
190.00	186.87	.94	29.78	29.79	88.2	14.8	86.9
200.00	196.46	1.37	32.51	32.54	87.6	16.1	81.1
210.00	206.02	1.40	35.43	35.46	87.7	16.9	89.3
220.00	215.57	1.28	38.30	38.32	88.1	16.7	92.4
230.00	225.09	1.66	41.30	41.34	87.7	17.6	82.7
D 236.50	231.29	1.39	43.17	43.19	88.1	16.8	98.1

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1394

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-23-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	-.12	-.26	.29	244.5	1.7	244.5
20.00	19.99	-.09	-.30	.31	252.7	.2	317.0
30.00	29.98	.06	.04	.07	38.7	2.1	66.2
40.00	39.97	.19	.54	.58	70.2	2.9	74.7
50.00	49.94	.39	1.18	1.24	71.5	3.8	72.5
60.00	59.91	.63	1.90	2.01	71.5	4.3	71.6
70.00	69.87	.86	2.76	2.89	72.5	5.1	74.8
80.00	79.81	1.11	3.84	4.00	73.8	6.3	77.0
90.00	89.72	1.39	5.10	5.29	74.7	7.4	77.6
100.00	99.61	1.62	6.53	6.72	76.1	8.2	80.9
110.00	109.50	1.79	8.03	8.23	77.4	8.7	83.2
120.00	119.35	2.10	9.65	9.88	77.7	9.4	79.4
130.00	129.18	2.40	11.47	11.72	78.2	10.6	80.4
140.00	138.97	2.49	13.42	13.65	79.5	11.2	87.4
150.00	148.75	2.69	15.41	15.64	80.1	11.5	84.2
160.00	158.51	3.19	17.46	17.75	79.6	12.2	76.2
170.00	168.26	3.66	19.57	19.91	79.4	12.5	77.5
180.00	177.99	4.04	21.80	22.17	79.5	13.0	80.4
190.00	187.72	4.26	24.05	24.43	80.0	13.1	84.3
TD 192.90	190.53	4.33	24.74	25.11	80.1	13.7	84.3

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

82(3A)

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (RH) 1700

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-02-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	.07	.18	.19	291.0	.5	290.9
40.00	39.99	.06	-.38	.38	279.3	.5	267.7
60.00	59.98	.46	-.36	.59	321.5	1.1	1.9
80.00	79.94	1.46	.24	1.48	9.6	3.3	31.6
100.00	99.85	2.58	1.59	3.03	31.6	5.0	50.1
120.00	119.66	3.54	4.13	5.44	49.4	7.8	69.2
140.00	139.39	4.43	7.23	8.48	58.5	9.2	73.9
160.00	159.03	5.12	10.92	12.07	64.9	10.8	79.4
180.00	178.55	5.11	15.02	15.87	71.2	11.8	90.1
200.00	197.97	4.86	19.71	20.30	76.1	13.5	93.0
220.00	217.18	4.32	25.19	25.56	80.3	16.0	95.5
240.00	236.27	3.33	31.02	31.20	83.9	17.2	99.6
260.00	255.29	1.71	36.95	36.99	87.3	17.9	105.2
280.00	274.25	-.71	42.81	42.82	91.0	18.5	112.5
300.00	293.09	-3.60	48.78	48.91	94.2	19.3	115.8
320.00	311.85	-6.42	54.86	55.24	96.7	19.6	114.8
340.00	330.63	-9.11	60.93	61.61	98.5	19.4	113.9
360.00	349.40	-12.02	67.07	68.14	100.2	19.8	115.3
380.00	368.11	-15.17	73.24	74.80	101.7	20.3	117.0
400.00	386.78	-18.10	79.55	81.59	102.8	20.4	114.9
420.00	405.39	-20.99	86.13	88.65	103.7	21.1	113.6
440.00	423.90	-24.54	92.60	95.79	104.8	21.7	118.7
460.00	442.34	-28.81	98.98	103.09	106.2	22.6	123.7
480.00	460.68	-33.24	105.54	110.65	107.5	23.3	124.0
500.00	478.92	-38.51	111.54	118.00	109.0	23.6	131.2
515.90	493.35	-42.84	116.49	124.12	110.2	24.4	131.1

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K-FORDING RIVER 82(3A)

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VSLI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1701

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-13-82

DATA FROM : VSL2*A

PROBE : 9055A 0008

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	-.29	.44	.53	123.8	1.5	123.7
40.00	39.98	-.36	.96	1.02	110.8	1.5	97.5
60.00	59.96	-.37	1.69	1.73	102.5	2.1	90.8
80.00	79.93	-.11	2.73	2.73	92.4	3.0	75.8
100.00	99.84	.24	4.53	4.54	86.9	5.2	78.7
120.00	119.68	.54	7.01	7.03	85.5	7.1	82.9
140.00	139.43	.63	10.09	10.11	86.4	8.8	88.4
160.00	159.06	.28	13.87	13.87	88.8	10.9	95.2
180.00	178.47	.00	18.59	18.59	90.0	13.6	93.3
200.00	197.72	-.26	23.94	23.94	90.6	15.5	92.9
220.00	216.69	-1.08	30.08	30.10	92.1	18.0	97.5
240.00	235.46	-1.95	36.87	36.92	93.0	20.0	97.3
260.00	254.02	-2.69	44.20	44.28	93.5	21.6	95.7
280.00	272.17	-4.66	52.12	52.32	95.1	24.1	103.9
300.00	289.94	-8.43	60.33	60.92	98.0	26.9	114.6
320.00	307.44	-13.22	68.62	69.88	100.9	28.7	120.0
340.00	324.51	-19.56	76.50	78.96	104.3	30.6	128.8
360.00	341.12	-27.70	83.43	87.91	108.4	32.7	139.5
380.00	357.27	-36.13	91.19	98.09	111.6	35.3	137.3
400.00	373.32	-45.14	98.27	108.15	114.7	35.5	141.8
420.00	389.22	-54.79	104.96	118.40	117.6	36.4	145.2
440.00	405.16	-64.17	112.46	129.48	119.7	37.0	141.3
458.40	419.78	-72.62	119.23	139.61	121.3	36.5	141.2

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1703

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-18-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

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	19.98	-.10	.67	.68	98.8	1.9	98.8
40.00	39.96	-.24	1.45	1.47	99.6	2.2	100.3
60.00	59.94	-.29	2.43	2.44	96.9	2.7	92.7
80.00	79.92	-.33	3.32	3.34	95.7	2.5	92.4
100.00	99.90	-.44	4.12	4.14	96.1	2.3	97.9
120.00	119.88	-.55	4.97	5.00	96.4	2.4	97.3
140.00	139.86	-.64	5.87	5.91	96.2	2.5	95.5
160.00	159.83	-.67	6.96	6.99	95.6	3.1	91.8
180.00	179.79	-.60	8.28	8.30	94.2	3.7	87.0
200.00	199.74	-.65	9.66	9.68	93.9	3.9	91.7
220.00	219.70	-.94	10.64	10.68	95.1	2.9	106.5
240.00	239.69	-1.34	11.11	11.19	96.9	1.7	130.4
260.00	259.69	-1.70	11.33	11.46	98.6	1.2	149.1
280.00	279.68	-1.90	11.66	11.81	99.3	1.0	119.9
300.00	299.66	-1.90	12.45	12.59	98.7	2.2	90.0
320.00	319.61	-1.85	13.75	13.88	97.7	3.7	87.8
340.00	339.53	-1.90	15.47	15.58	97.0	4.9	91.8
360.00	359.42	-2.45	17.37	17.54	98.0	5.6	106.0
380.00	379.24	-4.07	19.42	19.84	101.8	7.5	128.3
400.00	398.94	-6.64	21.53	22.54	107.1	9.5	140.5
420.00	418.55	-9.75	23.84	25.76	112.2	11.1	143.4
440.00	438.10	-13.38	25.83	29.09	117.4	11.9	151.2
460.00	457.56	-17.41	27.82	32.82	122.0	13.0	153.7
480.00	477.03	-21.81	28.95	36.25	127.0	13.1	165.5
500.00	496.54	-26.04	30.08	39.79	130.9	12.6	165.0
520.00	516.07	-30.06	31.56	43.59	133.6	12.3	159.8
D 523.20	519.18	-30.77	31.74	44.21	134.1	13.2	166.0

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K-FORDING RIVER 82/3A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (RH) 1704

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-08-82

DATA FROM : V8L2*A

PROBE : 9055A 0008

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	-.10	-.22	.24	245.4	.7	245.4
40.00	39.99	-.27	-.27	.39	224.7	.5	196.2
60.00	59.99	-.38	-.18	.42	205.7	.3	139.5
80.00	79.99	-.46	.07	.47	170.7	.7	108.3
100.00	99.97	-.70	.60	.92	139.1	1.6	113.6
120.00	119.95	-1.05	1.49	1.83	125.2	2.7	111.8
140.00	139.90	-1.36	2.81	3.12	116.0	3.8	103.3
160.00	159.81	-1.67	4.58	4.87	110.1	5.1	99.8
180.00	179.66	-2.15	6.89	7.22	107.4	6.7	101.7
200.00	199.42	-2.60	9.88	10.22	104.8	8.7	98.5
220.00	219.06	-2.76	13.59	13.86	101.5	10.6	92.4
240.00	238.62	-2.90	17.73	17.97	99.3	11.9	91.9
260.00	258.03	-2.96	22.47	22.66	97.5	13.7	90.7
280.00	277.41	-2.87	27.38	27.53	96.0	14.2	88.9
300.00	296.77	-2.71	32.38	32.50	94.8	14.4	88.1
304.50	301.13	-2.73	33.47	33.58	94.7	13.9	91.1

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

52/3A

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (DDH) 1705

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-02-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	.09	.01	.09	8.3	.2	8.3
40.00	39.99	.24	.12	.26	26.7	.5	35.9
60.00	59.99	.49	.41	.64	40.0	1.1	49.2
80.00	79.98	.64	.62	.89	44.0	.7	54.1
100.00	99.97	.81	1.21	1.46	56.2	1.7	74.0
120.00	119.96	.96	1.91	2.14	63.2	2.0	77.6
140.00	139.94	1.11	2.75	2.97	67.9	2.4	79.6
160.00	159.92	1.16	3.64	3.82	72.3	2.5	86.9
180.00	179.90	1.36	4.49	4.69	73.1	2.4	76.8
200.00	199.88	1.48	5.34	5.54	74.5	2.4	82.1
220.00	219.86	1.67	6.24	6.46	75.0	2.6	77.8
240.00	239.84	1.78	7.13	7.35	75.9	2.5	82.7
260.00	259.82	1.89	8.02	8.24	76.7	2.5	83.0
280.00	279.80	1.98	8.92	9.14	77.5	2.6	84.3
300.00	299.78	2.06	9.84	10.05	78.1	2.6	84.8
320.00	319.75	2.17	10.77	10.99	78.6	2.6	83.2
340.00	339.73	2.29	11.73	11.95	78.9	2.7	83.1
360.00	359.70	2.36	12.69	12.91	79.5	2.7	85.9
380.00	379.68	2.43	13.69	13.90	79.9	2.8	85.8
400.00	399.65	2.56	14.75	14.97	80.1	3.0	82.7
420.00	419.62	2.68	15.86	16.08	80.4	3.1	83.6
440.00	439.58	2.79	16.99	17.22	80.7	3.2	84.7
460.00	459.54	2.92	18.19	18.43	80.9	3.4	83.5
480.00	479.49	3.05	19.55	19.79	81.1	3.9	84.7
500.00	499.45	3.04	20.95	21.16	81.7	4.0	90.5
520.00	519.40	2.99	22.33	22.53	82.4	3.9	91.7
540.00	539.35	2.90	23.72	23.89	83.0	3.9	93.9
558.90	558.19	2.58	25.04	25.17	84.1	4.1	103.3

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K - FORDING RIVER 82(3A)

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1706

LOCATION : ELKFORD B.C.

DATE OF LOG : 05-27-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	19.98	-.12	.63	.65	101.1	1.8	101.0
40.00	39.97	-.23	1.39	1.41	99.7	2.1	98.5
60.00	59.92	-.84	2.65	2.78	107.7	4.0	115.6
80.00	79.73	-1.57	5.22	5.45	106.8	7.6	105.9
100.00	99.42	-2.78	8.25	8.70	108.7	9.4	111.7
120.00	119.04	-4.18	11.45	12.19	110.1	10.0	113.5
140.00	138.48	-5.33	15.74	16.62	108.7	12.8	105.0
160.00	157.72	-7.21	20.56	21.79	109.3	15.0	111.2
180.00	176.53	-9.43	26.80	28.41	109.4	19.3	109.6
200.00	194.99	-12.10	33.94	36.03	109.6	22.4	110.4
220.00	213.24	-14.92	40.55	43.21	110.2	21.5	113.1
240.00	231.38	-17.99	47.60	50.88	110.7	22.9	113.4
260.00	249.45	-21.66	55.13	59.23	111.5	24.8	116.0
280.00	267.47	-25.62	62.61	67.65	112.3	25.1	117.8
300.00	285.53	-29.53	70.19	76.16	112.8	25.3	117.2
320.00	303.56	-33.87	77.64	84.71	113.6	25.5	120.2
340.00	321.52	-38.85	84.69	93.18	114.6	25.6	125.2
360.00	339.34	-44.37	91.19	101.41	115.9	25.5	130.3
380.00	356.85	-50.91	97.40	109.90	117.6	27.2	136.5
400.00	374.30	-57.94	103.93	118.99	119.1	28.8	137.0
420.00	391.62	-65.74	109.73	127.92	120.9	29.2	143.3
440.00	408.90	-73.11	116.38	137.44	122.1	29.8	137.9
460.00	426.14	-80.78	122.65	146.87	123.4	29.9	140.7
480.00	443.61	-87.89	129.06	156.15	124.3	28.7	137.9
TD 480.70	444.23	-88.14	129.28	156.47	124.3	28.1	139.5

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1707

LOCATION : ELKFORD B.C.

DATE OF LOG : 05-27-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	-.05	.29	.30	100.8	1.7	100.8
20.00	19.99	-.09	.59	.60	98.8	1.7	96.8
30.00	29.98	-.06	.95	.95	93.8	2.0	85.2
40.00	39.97	.02	1.40	1.40	89.1	2.6	79.4
50.00	49.95	.12	1.92	1.92	86.3	3.0	78.5
60.00	59.93	.14	2.59	2.59	86.9	3.8	88.6
70.00	69.90	.21	3.35	3.36	86.3	4.3	84.4
80.00	79.86	.31	4.17	4.18	85.6	4.7	82.7
90.00	89.80	.43	5.30	5.32	85.3	6.5	84.0
100.00	99.70	.40	6.70	6.71	86.6	8.0	91.3
110.00	109.59	.34	8.12	8.13	87.6	8.1	92.5
120.00	119.47	.32	9.68	9.68	88.1	8.9	90.6
130.00	129.33	.20	11.31	11.32	88.9	9.4	93.9
140.00	139.17	.00	13.06	13.06	90.0	10.1	96.8
150.00	148.98	-.10	14.96	14.96	90.4	10.9	93.1
160.00	158.75	-.30	17.03	17.03	91.0	11.9	95.4
170.00	168.49	-.52	19.21	19.22	91.6	12.7	95.9
180.00	178.20	-.84	21.54	21.55	92.3	13.5	97.8
190.00	187.85	-1.14	24.10	24.13	92.7	14.9	96.5
200.00	197.43	-1.45	26.91	26.95	93.1	16.4	96.3
210.00	206.94	-2.12	29.92	30.00	94.1	17.9	102.4
220.00	216.37	-2.93	33.08	33.21	95.1	19.0	104.4
230.00	225.74	-3.69	36.41	36.60	95.8	20.0	102.9
240.00	235.01	-4.61	40.00	40.27	96.6	21.7	104.3
250.00	244.25	-5.72	43.65	44.02	97.5	22.3	106.9
260.00	253.49	-6.68	47.33	47.80	98.0	22.4	104.5
270.00	262.73	-7.63	51.05	51.61	98.5	22.5	104.3
280.00	271.94	-8.77	54.76	55.45	99.1	22.8	107.0
TD 285.20	276.71	-9.41	56.72	57.49	99.4	23.4	108.0

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K - FORDING RIVER 8260A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1708

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-11-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	-.23	.36	.43	122.5	1.2	122.4
40.00	39.96	-.62	1.26	1.41	116.1	2.8	113.3
60.00	59.91	-1.15	2.60	2.85	113.8	4.1	111.5
80.00	79.81	-2.00	4.39	4.82	114.6	5.6	115.6
100.00	99.68	-2.94	6.45	7.09	114.5	6.5	114.4
120.00	119.49	-3.95	8.96	9.80	113.8	7.7	111.8
140.00	139.17	-4.91	12.28	13.22	111.8	9.9	106.1
160.00	158.73	-6.52	15.89	17.17	112.3	11.4	114.0
180.00	178.13	-8.26	20.25	21.87	112.2	13.6	111.7
200.00	197.30	-9.84	25.65	27.47	111.0	16.3	106.2
220.00	216.38	-11.44	31.27	33.30	110.1	17.0	105.9
240.00	235.36	-13.78	36.33	38.85	110.8	16.3	114.8
260.00	254.07	-16.82	41.92	45.17	111.9	18.7	118.5
280.00	272.67	-20.02	48.20	52.20	112.6	20.7	116.9
300.00	291.24	-23.22	54.41	59.16	113.1	20.6	117.3
320.00	309.58	-26.30	61.31	66.72	113.2	22.3	114.0
340.00	327.66	-29.19	69.26	75.16	112.9	25.0	109.9
360.00	345.50	-32.62	77.52	84.10	112.8	26.6	112.5
380.00	363.17	-36.99	85.60	93.25	113.4	27.4	118.3
400.00	380.53	-42.06	93.94	102.93	114.1	29.3	121.2
420.00	397.61	-47.26	102.26	112.66	114.8	29.8	122.0
440.00	414.38	-53.10	110.83	122.90	115.6	31.7	124.2
460.00	431.47	-58.70	119.39	133.04	116.2	30.9	123.2
TD 476.40	445.30	-63.82	126.54	141.72	116.8	32.4	125.6

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1709

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-05-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	-.44	.14	.46	162.3	1.3	162.3
40.00	39.96	-.84	.90	1.23	133.0	2.4	117.7
60.00	59.91	-1.00	2.32	2.53	113.4	4.0	96.5
80.00	79.82	-1.10	4.17	4.31	104.9	5.3	93.1
100.00	99.72	-1.08	6.10	6.20	100.1	5.5	89.3
120.00	119.60	-1.05	8.18	8.25	97.3	5.9	88.9
140.00	139.40	-1.17	10.91	10.98	96.1	7.8	92.5
160.00	159.09	-1.53	14.35	14.43	96.1	9.9	96.0
180.00	178.70	-2.17	18.15	18.28	96.8	11.1	99.5
200.00	198.24	-3.18	22.21	22.44	98.2	12.0	104.0
220.00	217.73	-4.87	26.28	26.73	100.5	12.7	112.6
240.00	237.18	-7.25	30.12	30.98	103.5	13.0	121.7
260.00	256.60	-9.73	33.99	35.36	106.0	13.3	122.6
280.00	276.00	-12.64	37.69	39.75	108.5	13.6	128.1
300.00	295.39	-16.26	40.83	43.95	111.7	13.8	139.1
320.00	314.74	-20.46	42.99	47.61	115.5	13.7	152.7
TD 334.20	328.47	-23.57	44.62	50.46	117.9	14.3	152.4

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K- FORDING RIVER 8213A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD. HOLE ID : (D.D.H.) 1710
 LOCATION : ELKFORD B.C. DATE OF LOG : 08-03-82
 DATA FROM : V8L2*A PROBE : 9055A 0245

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
40.00	39.99	-.25	-.06	.25	193.5	.3	193.4
80.00	79.99	-.66	.25	.71	159.2	.7	142.9
120.00	119.97	-1.27	1.19	1.75	136.8	1.6	122.8
160.00	159.93	-1.92	2.82	3.41	124.3	2.5	111.8
200.00	199.87	-2.44	4.83	5.42	116.8	2.9	104.4
240.00	239.78	-2.89	7.40	7.95	111.3	3.7	99.8
280.00	279.67	-3.50	10.24	10.82	108.9	4.1	102.1
320.00	319.56	-4.14	13.00	13.64	107.7	4.0	103.1
360.00	359.44	-4.42	16.00	16.61	105.5	4.3	95.3
400.00	399.28	-4.72	19.30	19.87	103.7	4.7	95.1
440.00	439.06	-4.40	23.33	23.74	100.7	5.8	85.4
480.00	478.79	-4.27	27.93	28.26	98.7	6.6	88.3
520.00	518.50	-3.72	32.58	32.79	96.5	6.7	83.2
560.00	558.18	-3.46	37.61	37.77	95.3	7.2	87.0
600.00	597.81	-3.12	42.87	42.98	94.2	7.5	86.3
640.00	637.44	-2.67	48.14	48.22	93.2	7.6	85.0
680.00	677.06	-2.72	53.51	53.58	92.9	7.7	90.6
720.00	716.72	-2.89	58.60	58.68	92.8	7.3	91.8
760.00	756.33	-3.03	64.21	64.28	92.7	8.0	91.4
800.00	795.93	-3.38	69.81	69.90	92.8	8.0	93.5
TD 822.40	818.09	-3.28	72.83	72.90	92.6	7.7	88.2

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K-FORDING RIVER 82(B)

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1711

LOCATION : ELKFORD B.C.

DATE OF LOG : 05-21-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	-.12	-.06	.14	208.1	.4	208.0
40.00	39.99	-.52	.11	.53	167.7	1.2	154.9
60.00	59.97	-.81	.94	1.24	130.6	2.5	109.2
80.00	79.91	-1.13	2.34	2.60	115.8	4.1	102.9
100.00	99.78	-1.55	4.54	4.80	108.9	6.4	100.9
120.00	119.59	-1.82	6.99	7.22	104.6	7.0	96.1
140.00	139.24	-2.27	10.58	10.82	102.1	10.4	97.1
160.00	158.73	-3.05	14.98	15.28	101.5	12.9	100.0
180.00	178.03	-3.97	20.11	20.50	101.2	15.1	100.1
200.00	197.13	-4.94	25.91	26.37	100.8	17.0	99.4
220.00	216.08	-5.78	32.14	32.66	100.2	18.3	97.7
240.00	235.06	-6.80	38.18	38.78	100.1	17.8	99.5
260.00	254.15	-8.06	43.91	44.64	100.4	17.0	102.3
280.00	273.27	-9.33	49.58	50.45	100.7	16.9	102.5
300.00	292.31	-10.87	55.29	56.35	101.1	17.2	105.1
320.00	311.21	-12.66	61.31	62.61	101.7	18.3	106.5
340.00	329.99	-14.59	67.74	69.30	102.2	19.6	106.7
360.00	348.71	-17.07	74.14	76.08	103.0	20.1	111.1
380.00	367.48	-19.63	80.44	82.80	103.7	19.9	112.1
400.00	386.32	-22.17	86.45	89.25	104.4	19.1	112.9
420.00	405.14	-24.70	92.59	95.83	104.9	19.4	112.3
440.00	423.92	-27.61	98.59	102.39	105.6	19.5	115.8
460.00	442.58	-30.67	104.76	109.16	106.3	20.2	116.4
480.00	461.36	-33.93	110.82	115.90	107.0	20.1	118.2
TD 487.60	468.47	-35.09	113.21	118.53	107.2	20.5	115.9

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K- FORDING RIVER 8263A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1712

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-02-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	-.35	.21	.41	148.9	1.1	148.9
40.00	39.98	-.49	.62	.79	128.3	1.2	109.0
60.00	59.98	-.53	1.05	1.17	116.9	1.2	95.2
80.00	79.96	-.57	1.79	1.88	107.8	2.1	93.2
100.00	99.92	-.67	3.00	3.08	102.7	3.4	94.8
120.00	119.84	-.57	4.74	4.78	96.9	5.0	86.5
140.00	139.67	-.37	7.25	7.26	92.9	7.2	85.3
160.00	159.44	-.13	10.18	10.18	90.8	8.4	85.4
180.00	179.20	.12	13.13	13.13	89.5	8.5	84.9
200.00	199.03	.24	15.69	15.69	89.1	7.3	87.2
220.00	218.91	.03	17.71	17.71	89.9	5.8	96.0
240.00	238.82	-.46	19.48	19.48	91.4	5.2	105.7
260.00	258.74	-1.13	21.03	21.07	93.1	4.8	113.2
280.00	278.68	-2.08	22.18	22.27	95.4	4.2	129.7
300.00	298.62	-3.37	23.04	23.28	98.3	4.4	146.4
320.00	318.53	-4.93	23.81	24.32	101.7	4.9	153.4
340.00	338.41	-6.67	24.89	25.77	105.0	5.8	148.1
360.00	358.28	-8.78	25.69	27.15	108.9	6.4	159.4
380.00	378.10	-11.11	26.77	28.99	112.5	7.3	154.9
400.00	397.90	-13.42	28.26	31.29	115.4	7.9	147.2
420.00	417.67	-15.74	29.87	33.77	117.8	8.1	145.2
TD 431.50	429.06	-17.14	30.66	35.12	119.2	8.0	150.8

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K - FORDING RIVER 82(3)A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1713

LOCATION : ELKFORD B.C.

DATE OF LOG : 05-25-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	-.21	.03	.21	170.7	.6	170.7
40.00	39.99	-.61	.10	.62	170.7	1.1	170.7
60.00	59.97	-1.20	.39	1.26	162.0	1.8	153.6
80.00	79.95	-1.84	.97	2.08	152.2	2.4	137.8
100.00	99.91	-2.51	1.98	3.20	141.7	3.5	123.5
120.00	119.82	-3.20	3.58	4.80	131.8	4.9	113.2
140.00	139.67	-3.99	5.68	6.95	125.1	6.4	110.6
160.00	159.45	-4.87	8.37	9.69	120.2	8.1	108.1
180.00	179.12	-5.59	11.85	13.10	115.2	10.2	101.5
200.00	198.65	-6.43	15.97	17.22	111.9	12.1	101.6
220.00	217.99	-7.74	20.71	22.11	110.5	14.2	105.4
240.00	237.09	-9.90	26.09	27.91	110.8	16.9	111.8
260.00	255.86	-12.49	32.24	34.57	111.2	19.5	112.8
280.00	274.50	-16.19	38.38	41.65	112.9	21.0	121.0
300.00	293.21	-19.92	44.34	48.61	114.2	20.5	122.0
TD 304.00	296.97	-20.68	45.49	49.98	114.4	20.2	123.5

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1714

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-25-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	-.00	.08	.08	90.9	.9	90.8
10.00	9.99	-.00	.16	.16	90.9	.9	90.8
15.00	14.99	-.00	.27	.27	90.4	1.3	89.6
20.00	19.99	.00	.49	.49	89.6	2.5	88.5
25.00	24.98	-.01	.69	.69	91.4	2.3	95.9
30.00	29.98	.02	.93	.93	88.5	2.7	79.8
35.00	34.97	.04	1.20	1.21	87.9	3.1	85.7
40.00	39.96	.07	1.52	1.53	87.2	3.6	84.5
45.00	44.94	.13	1.89	1.89	86.0	4.2	80.9
50.00	49.93	.16	2.30	2.31	86.0	4.7	86.0
55.00	54.91	.19	2.75	2.76	86.0	5.1	86.1
60.00	59.88	.21	3.25	3.26	86.2	5.7	87.3
65.00	64.85	.23	3.80	3.80	86.4	6.2	87.4
70.00	69.82	.25	4.36	4.37	86.7	6.5	88.7
75.00	74.78	.24	4.95	4.96	87.1	6.7	90.4
80.00	79.74	.23	5.60	5.60	87.6	7.3	90.8
85.00	84.70	.15	6.24	6.24	88.6	7.4	97.1
90.00	89.64	.10	6.96	6.96	89.2	8.4	94.4
95.00	94.59	-.04	7.64	7.64	90.3	7.9	101.9
100.00	99.54	-.15	8.31	8.31	91.1	7.7	99.7
105.00	104.48	-.17	9.03	9.03	91.1	8.3	91.4
110.00	109.42	-.21	9.81	9.82	91.2	9.0	92.5
115.00	114.33	-.24	10.70	10.71	91.3	10.2	92.1
120.00	119.25	-.28	11.62	11.63	91.4	10.6	92.2
125.00	124.15	-.33	12.57	12.57	91.5	10.9	93.3
130.00	129.05	-.45	13.58	13.58	91.9	11.7	96.6
135.00	133.93	-.63	14.63	14.65	92.5	12.4	99.8
TD 138.30	137.15	-.76	15.30	15.32	92.9	11.8	100.5

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K - FORDING RIVER 82(3A)

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (D.D.H.) 1715

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-20-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	.46	.37	.59	38.9	1.7	30.8
40.00	39.98	.95	.61	1.14	32.8	1.5	26.0
60.00	59.97	1.45	.81	1.66	29.4	1.5	22.2
80.00	79.96	1.88	1.04	2.15	28.9	1.3	27.2
100.00	99.96	2.32	1.22	2.62	27.7	1.3	22.2
120.00	119.95	2.78	1.38	3.11	26.4	1.4	19.3
140.00	139.94	3.25	1.56	3.61	25.7	1.4	21.0
160.00	159.93	3.78	1.82	4.19	25.7	1.6	26.0
180.00	179.92	4.31	2.10	4.80	26.0	1.7	28.1
200.00	199.91	4.93	2.55	5.56	27.4	2.1	35.8
220.00	219.89	5.59	3.06	6.38	28.7	2.3	37.6
240.00	239.87	6.21	3.64	7.20	30.4	2.4	43.1
260.00	259.85	6.86	4.26	8.07	31.9	2.5	43.8
280.00	279.82	7.55	4.94	9.03	33.2	2.7	44.1
300.00	299.80	8.24	5.60	9.97	34.2	2.7	43.9
320.00	319.77	8.87	6.29	10.88	35.4	2.6	47.8
340.00	339.74	9.51	7.04	11.83	36.5	2.8	49.2
360.00	359.71	10.22	7.78	12.85	37.3	2.9	46.0
380.00	379.68	10.98	8.49	13.88	37.7	2.9	43.6
400.00	399.65	11.73	9.24	14.94	38.2	3.0	44.7
420.00	419.62	12.44	10.06	16.00	39.0	3.0	49.1
440.00	439.59	13.12	10.91	17.07	39.7	3.1	50.9
460.00	459.56	13.86	11.82	18.22	40.4	3.3	50.9
480.00	479.52	14.60	12.77	19.40	41.2	3.4	52.4
500.00	499.48	15.39	13.70	20.60	41.7	3.4	49.7
520.00	519.44	16.10	14.71	21.81	42.4	3.5	54.8
540.00	539.40	16.87	15.75	23.08	43.0	3.7	53.0
560.00	559.36	17.50	16.76	24.23	43.8	3.4	58.3
TD 578.20	577.53	17.93	17.76	25.24	44.7	3.4	66.7

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K- FORDING RIVER 82(3A)

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1716

LOCATION : ELKFORD B.C.

DATE OF LOG : 05-14-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	-.14	.21	.25	124.4	.7	124.3
40.00	39.99	-.28	.49	.57	119.9	.9	116.1
60.00	59.98	-.34	.99	1.05	108.8	1.4	96.3
80.00	79.96	-.59	1.91	2.00	107.1	2.7	105.2
100.00	99.91	-.69	3.15	3.23	102.5	3.5	94.9
120.00	119.85	-.58	4.69	4.73	97.2	4.4	85.9
140.00	139.77	-.33	6.35	6.35	93.1	4.7	81.3
160.00	159.68	.10	8.06	8.06	89.3	5.0	75.5
180.00	179.56	.52	10.10	10.11	87.0	5.9	78.2
200.00	199.37	.61	12.70	12.72	87.2	7.4	87.9
220.00	219.15	.02	15.49	15.49	89.9	8.2	101.9
240.00	238.89	-1.72	17.88	17.97	95.5	8.5	126.2
260.00	258.51	-4.89	19.86	20.45	103.8	10.7	148.0
280.00	277.90	-9.29	21.55	23.47	113.3	13.6	159.0
300.00	297.00	-14.75	23.12	27.43	122.5	16.5	163.8
320.00	315.72	-21.34	24.73	32.67	130.8	19.9	166.2
340.00	334.23	-28.56	25.21	38.10	138.6	21.3	176.2
360.00	352.68	-35.58	26.94	44.63	142.9	21.3	166.1
380.00	371.26	-42.48	28.19	50.98	146.4	20.6	169.7
400.00	389.86	-49.25	29.62	57.47	149.0	20.4	168.0
TD 408.90	398.21	-52.23	30.34	60.40	149.8	20.1	166.4

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K-FORDING RIVER 823A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1717

LOCATION : ELKFORD B.C.

DATE OF LOG : 08-17-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

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	.26	.26	.33	38.4	.9	38.4
40.00	39.97	.32	.96	1.01	71.2	2.1	85.0
60.00	59.94	.51	2.04	2.16	75.8	3.1	80.1
80.00	79.86	1.00	3.55	3.69	74.3	4.5	72.2
100.00	99.70	1.04	6.05	6.14	80.2	7.1	89.0
120.00	119.45	.73	9.09	9.12	85.4	8.7	95.8
140.00	139.15	.26	12.45	12.45	88.8	9.7	97.9
160.00	158.76	-.55	16.24	16.25	92.0	11.1	102.2
180.00	178.28	-1.80	20.37	20.45	95.1	12.4	106.7
200.00	197.77	-3.01	24.65	24.83	97.0	12.8	105.7
220.00	217.24	-4.19	29.04	29.34	98.2	13.1	105.1
240.00	236.74	-5.58	33.22	33.68	99.5	12.7	108.3
260.00	256.30	-6.85	37.20	37.82	100.4	12.0	107.7
280.00	275.84	-7.77	41.29	42.01	100.7	12.1	102.6
300.00	295.33	-8.84	45.57	46.42	101.0	12.7	104.1
320.00	314.68	-10.70	50.14	51.27	102.1	14.3	112.1
340.00	333.79	-13.47	55.20	56.82	103.7	16.7	118.6
360.00	352.72	-16.70	60.70	62.96	105.4	18.6	120.4
380.00	371.64	-20.08	66.17	69.15	106.9	18.7	121.7
400.00	390.34	-24.25	71.76	75.75	108.7	20.4	126.7
420.00	408.94	-29.07	76.88	82.20	110.7	20.7	133.2
440.00	427.63	-33.00	82.80	89.14	111.7	20.8	123.6
460.00	446.25	-37.01	88.84	96.24	112.6	21.2	123.5
480.00	464.84	-41.33	94.75	103.37	113.6	21.4	126.1
500.00	483.27	-46.07	100.85	110.88	114.6	22.7	127.8
520.00	501.66	-51.12	106.74	118.35	115.6	22.8	130.6
TD 523.70	505.06	-52.08	107.83	119.75	115.8	23.1	131.3

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K- FORDING RIVER 8261A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1718

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-30-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

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	.16	.31	.35	62.5	1.0	62.4
40.00	39.95	.35	1.44	1.48	76.2	3.2	80.4
60.00	59.86	.37	3.19	3.21	83.2	5.0	89.1
80.00	79.65	.26	5.96	5.97	87.4	7.9	92.3
100.00	99.15	-.31	10.16	10.17	91.8	12.2	97.9
120.00	118.44	-.66	15.40	15.41	92.5	15.2	93.7
140.00	137.58	-1.24	20.28	20.32	93.5	14.4	96.8
160.00	156.42	-1.88	26.85	26.91	94.0	19.2	95.5
180.00	175.16	-2.69	33.69	33.79	94.6	20.1	96.7
200.00	193.81	-3.29	40.82	40.95	94.6	21.0	94.8
220.00	212.47	-4.81	47.05	47.30	95.8	18.9	103.6
240.00	230.94	-6.64	54.15	54.55	97.0	21.6	104.4
260.00	249.18	-8.98	61.88	62.53	98.3	23.8	106.8
280.00	267.24	-12.05	69.83	70.86	99.8	25.2	111.0
300.00	285.06	-15.51	77.28	78.82	101.4	24.7	114.9
320.00	302.46	-19.31	84.80	86.97	102.8	25.8	116.7
340.00	319.60	-23.90	93.07	96.09	104.4	28.9	119.0
360.00	336.52	-29.38	101.97	106.12	106.1	31.6	121.6
380.00	353.09	-35.24	111.36	116.80	107.6	33.7	121.9
400.00	369.56	-41.44	120.53	127.46	109.0	33.8	124.0
420.00	385.97	-47.91	129.88	138.43	110.2	34.7	124.6
440.00	402.28	-54.40	139.35	149.60	111.3	35.1	124.4
460.00	418.28	-61.94	148.61	161.00	112.6	36.7	129.1
480.00	433.90	-70.75	157.39	172.56	114.2	38.5	135.1
500.00	449.40	-80.34	165.44	183.92	115.9	38.9	139.9
TD 517.60	463.20	-90.22	169.48	192.00	118.0	37.7	157.7

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K-FORDING RIVER 82(3)A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1719

LOCATION : ELKFORD B.C.

DATE OF LOG : 08-23-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

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	.35	.35	82.3	1.0	82.2
40.00	39.96	-.37	.92	.99	111.8	2.0	126.2
60.00	59.94	-1.23	1.22	1.73	135.2	2.6	160.9
80.00	79.89	-2.60	1.32	2.91	153.1	3.9	176.0
100.00	99.82	-4.00	.89	4.10	167.4	4.2	196.8
120.00	119.75	-5.45	.06	5.45	179.3	4.7	209.8
140.00	139.67	-7.05	-.66	7.08	185.4	5.0	204.6
160.00	159.59	-8.46	-1.49	8.59	190.0	4.7	210.2
180.00	179.55	-9.58	-2.18	9.82	192.8	3.7	211.5
200.00	199.52	-10.54	-2.62	10.86	194.0	3.0	204.9
220.00	219.49	-11.42	-3.04	11.82	194.9	2.7	205.4
240.00	239.47	-12.17	-3.27	12.61	195.0	2.2	196.8
260.00	259.46	-12.91	-3.40	13.35	194.8	2.1	190.1
280.00	279.43	-13.74	-3.79	14.25	195.4	2.6	205.0
300.00	299.40	-14.64	-4.46	15.31	197.0	3.2	216.8
320.00	319.36	-15.55	-5.27	16.42	198.7	3.4	221.2
340.00	339.32	-16.41	-6.02	17.48	200.2	3.2	221.4
360.00	359.28	-17.40	-6.34	18.52	200.0	2.9	197.7
380.00	379.18	-19.10	-5.95	20.00	197.3	4.9	167.0
400.00	399.03	-21.36	-5.24	21.99	193.8	6.8	162.4
420.00	418.87	-23.75	-4.78	24.23	191.4	7.0	169.1
440.00	438.70	-26.30	-4.69	26.72	190.1	7.3	178.0
460.00	458.53	-28.86	-4.88	29.27	189.6	7.3	184.3
480.00	478.30	-31.79	-5.17	32.20	189.2	8.4	185.5
500.00	498.00	-35.17	-5.24	35.56	188.5	9.7	181.1
TD 517.50	515.24	-38.09	-5.38	38.47	188.0	9.6	182.7

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K- FRODING RIVER 82(3)A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VSLI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (D.D.H.) 1720

LOCATION : ELKFORD B.C.

DATE OF LOG : 08-18-82

DATA FROM : VSL2*A

PROBE : 9055A 0245

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	-.14	.07	.16	152.5	.4	152.5
40.00	39.99	-.31	.12	.33	157.7	.4	162.7
60.00	59.99	-.63	.44	.76	145.1	1.2	135.4
80.00	79.98	-.81	.99	1.28	129.2	1.6	108.2
100.00	99.97	-.96	1.54	1.81	121.9	1.6	105.2
120.00	119.96	-1.18	2.20	2.49	118.2	1.9	108.4
140.00	139.94	-1.37	2.93	3.23	115.1	2.1	104.8
160.00	159.93	-1.63	3.66	4.01	114.0	2.2	109.2
180.00	179.91	-1.82	4.50	4.85	112.1	2.4	103.2
200.00	199.88	-2.05	5.46	5.83	110.6	2.8	102.9
220.00	219.85	-2.30	6.51	6.91	109.5	3.1	103.5
240.00	239.82	-2.48	7.62	8.02	108.0	3.2	99.2
260.00	259.78	-2.65	8.82	9.21	106.7	3.4	98.0
280.00	279.74	-2.85	10.11	10.51	105.7	3.7	98.7
300.00	299.69	-3.03	11.44	11.84	104.8	3.8	97.8
320.00	319.64	-3.11	12.85	13.22	103.6	4.0	93.3
340.00	339.58	-3.22	14.37	14.73	102.6	4.3	94.0
360.00	359.51	-3.30	16.02	16.36	101.6	4.7	92.6
380.00	379.43	-3.31	17.84	18.14	100.5	5.2	90.3
400.00	399.34	-3.29	19.73	20.01	99.5	5.4	89.3
TD 417.30	416.56	-3.26	21.39	21.64	98.7	5.5	89.2

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1781

LOCATION : ELKFORD B.C.

DATE OF LOG : 05-22-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	-.32	.26	.42	140.8	1.2	140.7
40.00	39.97	-.95	-.09	.96	185.5	2.0	209.6
60.00	59.91	-1.88	-1.10	2.18	210.3	3.9	227.3
80.00	79.83	-3.22	-2.21	3.90	214.5	4.9	219.9
100.00	99.73	-4.85	-3.16	5.79	213.1	5.4	210.0
120.00	119.61	-6.82	-3.63	7.73	208.0	5.8	193.3
140.00	139.46	-9.18	-3.55	9.85	201.2	6.7	178.1
160.00	159.27	-11.83	-3.29	12.28	195.6	7.6	174.3
180.00	179.01	-14.98	-3.03	15.29	191.5	9.1	175.3
200.00	198.56	-19.08	-2.98	19.31	188.9	11.8	179.3
220.00	217.88	-24.10	-3.19	24.31	187.5	14.5	182.3
240.00	237.00	-29.79	-3.34	29.98	186.4	16.5	181.5
260.00	256.06	-35.50	-3.99	35.72	186.4	16.7	186.5
280.00	275.00	-41.54	-4.23	41.76	185.8	17.7	182.2
300.00	294.00	-47.45	-4.44	47.65	185.3	17.2	181.9
TD 306.20	299.89	-49.31	-4.73	49.54	185.5	17.7	189.0

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VSLT DEVIATION

CLIENT : FORDING COAL LTD. HOLE ID : (D.D.H.) 1782
 LOCATION : ELKFORD, B.C. DATE OF LOG : 09-03-82
 DATA FROM : VSL2*A PROBE : 9055A 0245

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
40.00	39.99	.22	.12	.25	28.1	.3	28.1
80.00	79.99	.63	.08	.63	7.6	.5	354.6
120.00	119.99	1.05	.03	1.05	2.1	.6	354.0
160.00	159.98	1.37	.14	1.38	6.1	.4	18.6
200.00	199.98	1.64	.57	1.74	19.4	.7	58.2
240.00	239.97	1.84	1.19	2.19	32.9	.9	72.1
280.00	279.97	2.17	1.94	2.91	41.9	1.1	66.5
320.00	319.95	2.78	2.92	4.03	46.4	1.6	57.7
360.00	359.93	3.52	3.92	5.28	48.1	1.7	53.4
400.00	399.89	4.68	5.08	6.90	47.4	2.3	45.0
440.00	439.86	5.83	6.19	8.51	46.7	2.2	43.7
480.00	479.83	7.10	7.14	10.07	45.2	2.2	36.9
520.00	519.80	8.30	7.90	11.46	43.6	2.0	32.4
560.00	559.79	9.21	8.49	12.53	42.7	1.5	33.0
600.00	599.77	10.32	9.12	13.78	41.5	1.8	29.5
640.00	639.75	11.29	9.69	14.89	40.6	1.6	30.4
TD 652.90	652.65	11.55	9.83	15.16	40.4	1.2	27.3

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1783

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-24-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

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	-.07	.08	.11	133.6	.3	133.5
40.00	39.99	.02	.32	.32	85.1	.7	66.4
60.00	59.97	.31	.95	1.00	71.8	1.9	65.6
80.00	79.93	.63	2.09	2.18	73.2	3.3	74.4
100.00	99.89	.96	3.29	3.43	73.7	3.5	74.4
120.00	119.87	1.03	4.28	4.40	76.5	2.8	86.2
140.00	139.82	.70	5.53	5.57	82.8	3.7	104.7
160.00	159.72	.27	7.33	7.33	87.8	5.2	103.2
180.00	179.59	-.07	9.50	9.50	90.5	6.3	99.1
200.00	199.46	-.37	11.79	11.80	91.8	6.6	97.4
220.00	219.33	-.68	13.99	14.01	92.8	6.3	98.1
240.00	239.20	-.81	16.12	16.14	92.9	6.1	93.3
260.00	259.09	-.85	18.14	18.16	92.7	5.8	91.1
280.00	278.99	-1.25	20.04	20.08	93.6	5.5	101.9
300.00	298.84	-2.22	22.04	22.15	95.8	6.4	115.9
320.00	318.57	-3.99	24.43	24.75	99.3	8.5	126.6
340.00	338.16	-6.43	27.36	28.11	103.2	11.0	129.7
360.00	357.60	-9.23	30.63	32.00	106.8	12.5	130.5
380.00	376.87	-12.39	34.82	36.96	109.6	15.2	127.0
400.00	396.10	-16.00	38.82	41.99	112.4	15.6	132.1
420.00	415.38	-19.84	42.47	46.88	115.0	15.3	136.3
440.00	434.35	-24.14	46.61	52.49	117.4	17.4	136.1
460.00	453.31	-28.57	51.08	58.53	119.2	18.3	134.7
480.00	472.14	-33.68	54.89	64.40	121.5	18.7	143.3
500.00	490.89	-39.37	58.77	70.74	123.8	20.1	145.7
TD 518.30	507.87	-45.00	62.41	76.94	125.8	21.5	147.1

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (D.D.H.) 1785

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-30-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

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
40.00	39.99	.39	.04	.40	6.7	.5	6.7
80.00	79.99	.80	.08	.80	6.2	.5	5.7
120.00	119.99	1.00	.00	1.00	.2	.3	337.2
160.00	159.99	1.09	.01	1.09	.9	.1	8.4
200.00	199.99	1.15	-.00	1.15	360.0	.0	341.4
240.00	239.99	1.25	.06	1.25	3.0	.1	33.4
280.00	279.98	1.23	.27	1.26	12.6	.3	95.5
320.00	319.98	1.12	.63	1.29	29.6	.5	106.2
360.00	359.98	.98	1.16	1.52	49.7	.7	105.1
400.00	399.97	.92	1.77	2.00	62.4	.8	94.9
440.00	439.96	.89	2.60	2.75	71.0	1.1	92.3
480.00	479.96	.74	3.16	3.25	76.7	.8	104.4
520.00	519.95	.26	3.58	3.59	85.7	.9	138.8
560.00	559.94	-.34	3.87	3.89	95.1	.9	155.0
600.00	599.94	-1.01	4.14	4.26	103.7	1.0	158.1
TD 614.00	613.93	-1.21	4.11	4.29	106.4	.8	186.1

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1788

LOCATION : ELKFORD B.C.

DATE OF LOG : 05-29-82

DATA FROM : V9LI

PROBE : 9055A 0050

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	.03	.21	.21	79.8	1.2	79.7
20.00	19.99	.07	.43	.44	80.0	1.2	80.1
30.00	29.99	.10	.69	.70	81.4	1.4	83.8
40.00	39.98	.10	.93	.93	83.5	1.3	89.9
50.00	49.97	.18	1.30	1.32	82.1	2.2	78.6
60.00	59.97	.28	1.70	1.72	80.3	2.3	74.5
70.00	69.95	.32	2.13	2.16	81.4	2.5	85.4
80.00	79.94	.49	2.69	2.73	79.6	3.3	72.8
90.00	89.91	.73	3.37	3.45	77.8	4.1	71.0
100.00	99.88	1.00	4.06	4.19	76.1	4.2	68.1
110.00	109.85	1.23	4.70	4.86	75.3	3.8	70.4
120.00	119.82	1.34	5.48	5.64	76.2	4.5	82.0
130.00	129.77	1.44	6.44	6.60	77.3	5.5	83.6
140.00	139.71	1.53	7.51	7.66	78.4	6.1	85.3
150.00	149.64	1.49	8.67	8.80	80.2	6.6	91.9
160.00	159.56	1.42	9.88	9.98	81.8	6.9	93.2
170.00	169.49	1.36	11.06	11.15	82.9	6.8	92.7
180.00	179.40	1.35	12.25	12.32	83.7	6.8	90.8
190.00	189.33	1.57	13.39	13.48	83.3	6.6	78.7
200.00	199.27	1.75	14.48	14.59	83.1	6.3	81.0
210.00	209.21	1.84	15.52	15.63	83.2	5.9	85.0
220.00	219.14	2.08	16.56	16.69	82.8	6.1	76.9
TD 226.70	225.79	2.25	17.31	17.46	82.6	6.6	76.9

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1789

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-07-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	.20	.26	.33	51.8	.9	51.7
40.00	39.99	.39	.61	.72	57.1	1.1	61.6
60.00	59.96	.56	1.50	1.60	69.5	2.6	79.3
80.00	79.89	.88	3.04	3.16	73.8	4.4	78.3
100.00	99.77	1.44	5.11	5.31	74.2	6.1	74.8
120.00	119.61	2.29	7.52	7.86	73.1	7.3	70.5
140.00	139.40	3.50	10.05	10.64	70.8	8.0	64.3
160.00	159.11	5.04	12.96	13.91	68.7	9.4	62.0
180.00	178.76	6.69	16.28	17.61	67.7	10.6	63.6
200.00	198.41	8.21	19.61	21.26	67.3	10.5	65.4
220.00	218.05	9.53	23.08	24.98	67.6	10.7	69.1
240.00	237.68	10.70	26.69	28.76	68.1	10.9	72.0
260.00	257.29	11.54	30.49	32.60	69.3	11.2	77.5
280.00	276.91	12.12	34.26	36.34	70.5	10.9	81.1
300.00	296.47	12.69	38.36	40.41	71.7	11.9	82.1
320.00	316.02	13.21	42.48	44.49	72.7	11.9	82.7
TD 330.30	326.06	13.30	44.75	46.68	73.4	12.7	87.7

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K - FORDING RIVER 82/3A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1790

LOCATION : ELKFORD B.C.

DATE OF LOG : 06-07-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	-.07	.20	.22	110.7	1.2	110.6
20.00	19.99	-.17	.51	.54	108.6	1.8	107.0
30.00	29.98	-.27	.89	.93	107.4	2.2	105.8
40.00	39.97	-.40	1.35	1.41	106.6	2.7	104.8
50.00	49.96	-.57	1.78	1.87	107.8	2.6	111.4
60.00	59.94	-.78	2.17	2.31	109.9	2.5	118.9
70.00	69.93	-1.10	2.61	2.84	112.9	3.1	126.0
80.00	79.90	-1.43	3.21	3.52	114.1	3.9	118.6
90.00	89.87	-1.70	3.96	4.31	113.2	4.5	109.3
100.00	99.83	-2.00	4.71	5.12	113.0	4.6	112.1
110.00	109.80	-2.23	5.52	5.95	112.0	4.7	105.6
120.00	119.75	-2.44	6.41	6.86	110.9	5.2	103.8
130.00	129.70	-2.77	7.37	7.88	110.6	5.8	108.6
140.00	139.63	-3.17	8.38	8.96	110.8	6.2	111.8
150.00	149.57	-3.66	9.39	10.08	111.3	6.4	115.6
160.00	159.50	-4.21	10.42	11.24	112.0	6.7	118.2
170.00	169.43	-4.80	11.44	12.41	112.8	6.7	120.1
180.00	179.35	-5.34	12.52	13.61	113.1	6.9	116.4
190.00	189.27	-5.82	13.63	14.82	113.1	6.9	113.2
200.00	199.20	-6.43	14.61	15.97	113.8	6.6	122.0
210.00	209.13	-7.16	15.58	17.14	114.7	6.9	126.9
220.00	219.04	-7.74	16.71	18.41	114.9	7.3	117.3
230.00	228.96	-8.30	17.88	19.72	114.9	7.4	115.4
TD 231.70	230.64	-8.41	18.11	19.96	114.9	8.2	115.2

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K - Fording River 8313A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1900

LOCATION : ELKFORD B.C.

DATE OF LOG : 08-10-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

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	.22	.25	.33	49.2	.9	49.2
40.00	39.99	.39	.26	.47	34.5	.4	4.5
60.00	59.99	.58	.04	.59	4.3	.8	311.2
80.00	79.98	.73	-.40	.83	330.9	1.3	287.4
100.00	99.97	.84	-1.05	1.35	308.8	1.8	280.1
120.00	119.94	.65	-1.96	2.06	288.4	2.6	258.0
140.00	139.91	.43	-3.01	3.04	278.1	3.0	257.9
160.00	159.88	.19	-4.18	4.18	272.7	3.4	258.6
180.00	179.83	-.10	-5.42	5.42	268.9	3.6	256.5
200.00	199.79	-.39	-6.58	6.59	266.6	3.4	255.8
220.00	219.75	-.41	-7.81	7.82	267.0	3.5	268.9
240.00	239.71	-.63	-8.99	8.99	269.8	3.5	287.9
260.00	259.67	.62	-9.98	10.00	273.6	3.4	303.7
280.00	279.64	1.35	-10.80	10.88	277.2	3.1	311.6
300.00	299.62	2.00	-11.38	11.55	280.0	2.4	318.1
320.00	319.61	2.50	-11.79	12.05	282.0	1.8	321.0
340.00	339.60	2.91	-12.12	12.46	283.5	1.4	320.7
360.00	359.59	3.33	-12.44	12.88	285.0	1.5	322.3
380.00	379.58	3.62	-12.88	13.38	285.7	1.4	303.2
400.00	399.57	3.79	-13.42	13.94	285.8	1.6	287.3
420.00	419.56	3.97	-14.19	14.74	285.6	2.2	283.1
440.00	439.53	4.15	-15.11	15.68	285.4	2.6	281.4
460.00	459.51	4.66	-15.85	16.52	286.4	2.5	304.8
480.00	479.50	5.14	-16.22	17.01	287.6	1.7	321.8
500.00	499.49	5.66	-16.35	17.30	289.1	1.5	345.7
520.00	519.48	5.94	-15.77	16.86	290.7	1.8	63.9
540.00	539.46	6.12	-14.90	16.11	292.3	2.5	78.3
560.00	559.43	6.15	-13.90	15.20	293.9	2.8	88.4
580.00	579.41	6.00	-12.98	14.30	294.8	2.6	99.4
TD 592.00	591.40	5.81	-12.59	13.87	294.8	2.0	115.5

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

82(3A)

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (RH) 1901

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-01-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	-.06	.13	328.8	.7	328.8
20.00	19.98	.33	.20	.39	31.6	2.0	50.9
30.00	29.97	.62	.50	.80	38.8	2.3	45.7
40.00	39.96	.88	.84	1.22	43.7	2.4	52.9
50.00	49.95	1.22	1.03	1.60	40.1	2.2	29.0
60.00	59.95	1.50	1.14	1.89	37.3	1.7	21.8
70.00	69.94	1.71	1.31	2.16	37.4	1.5	38.5
80.00	79.93	2.05	1.45	2.51	35.3	2.0	22.2
90.00	89.93	2.31	1.47	2.74	32.5	1.4	4.8
100.00	99.93	2.49	1.49	2.91	30.9	1.0	6.9
110.00	109.93	2.63	1.51	3.03	30.0	.7	9.0
120.00	119.92	2.76	1.50	3.14	28.6	.7	356.1
130.00	129.92	2.81	1.49	3.18	27.9	.3	339.7
140.00	139.92	2.80	1.51	3.19	28.3	.1	96.8
150.00	149.92	2.83	1.54	3.22	28.6	.1	52.5
160.00	159.92	2.80	1.53	3.19	28.6	.1	202.5
170.00	169.92	2.73	1.55	3.14	29.6	.4	164.3
180.00	179.92	2.70	1.60	3.14	30.7	.3	114.6
190.00	189.92	2.66	1.62	3.12	31.5	.2	154.9
200.00	199.92	2.45	1.69	2.98	34.6	1.2	161.4
210.00	209.91	2.18	1.85	2.86	40.3	1.8	149.4
220.00	219.90	1.81	2.05	2.73	48.6	2.4	152.6
230.00	229.89	1.34	2.23	2.61	59.0	2.8	158.0
240.00	239.88	.91	2.47	2.64	69.6	2.8	150.6
243.20	243.07	.77	2.55	2.66	73.1	2.9	152.9

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K - FROENG RIVER 80(3)A

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (RH) 1902

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-04-82

DATA FROM : V8L2

PROBE : 9055A 0050

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	.23	-.12	.26	332.5	.7	332.5
40.00	39.99	.31	-.45	.55	304.3	.9	283.0
60.00	59.98	.26	-.88	.92	286.6	1.2	263.3
80.00	79.97	.17	-1.49	1.50	276.7	1.7	261.7
100.00	99.95	.07	-2.33	2.33	271.9	2.4	263.2
120.00	119.93	.01	-3.27	3.27	270.3	2.7	266.4
140.00	139.90	-.02	-4.36	4.36	269.7	3.1	267.9
160.00	159.85	-.01	-5.59	5.59	269.8	3.5	270.3
180.00	179.81	-.01	-6.87	6.87	269.9	3.6	270.1
200.00	199.76	.10	-8.24	8.24	270.7	3.9	274.8
220.00	219.70	.26	-9.68	9.68	271.6	4.1	276.3
240.00	239.64	.36	-11.12	11.13	271.9	4.1	273.8
260.00	259.59	.22	-12.47	12.48	271.0	3.8	264.2
280.00	279.56	.25	-13.60	13.60	271.1	3.2	271.3
300.00	299.52	.38	-14.67	14.67	271.5	3.0	276.8
TD 303.90	303.41	.40	-14.97	14.98	271.5	4.4	273.8

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VSLI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (RH) 1903

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-05-82

DATA FROM : VSL2

PROBE : 9055A 0050

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	.07	-.01	.07	346.1	.4	346.1
20.00	19.99	.04	-.05	.07	309.4	.2	237.7
30.00	29.99	-.12	-.11	.17	222.9	1.0	199.0
40.00	39.98	-.48	-.25	.54	207.7	2.1	200.6
50.00	49.97	-.93	-.46	1.03	206.3	2.8	204.7
60.00	59.95	-1.53	-.78	1.72	207.1	3.9	208.1
70.00	69.90	-2.29	-1.29	2.63	209.4	5.2	213.9
80.00	79.86	-3.02	-1.89	3.57	212.0	5.4	219.2
90.00	89.81	-3.66	-2.64	4.52	215.7	5.6	229.4
100.00	99.75	-4.17	-3.47	5.43	219.8	5.6	238.6
110.00	109.68	-4.80	-4.32	6.46	222.0	6.0	233.6
120.00	119.62	-5.56	-5.11	7.55	222.5	6.2	225.6
130.00	129.54	-6.32	-5.99	8.72	223.5	6.7	229.5
140.00	139.45	-7.16	-6.66	9.78	222.9	6.1	218.5
150.00	149.34	-8.23	-7.53	11.16	222.5	7.9	219.1
160.00	159.22	-9.32	-8.40	12.55	222.0	8.0	218.6
170.00	169.09	-10.33	-9.43	13.99	222.4	8.3	225.4
180.00	178.97	-11.35	-10.53	15.48	222.8	8.6	227.0
190.00	188.86	-12.46	-11.44	16.92	222.6	8.2	219.4
200.00	198.75	-13.59	-12.37	18.37	222.3	8.3	219.5
210.00	208.62	-14.67	-13.37	19.86	222.3	8.5	222.6
220.00	218.47	-15.86	-14.19	21.29	221.8	8.3	214.7
230.00	228.33	-17.05	-14.91	22.65	221.2	8.0	210.8
240.00	238.20	-18.25	-15.94	24.23	221.1	9.1	220.6
250.00	248.07	-19.35	-16.94	25.72	221.2	8.5	222.4
260.00	257.94	-20.59	-17.90	27.28	221.0	8.9	217.6
TD 263.80	261.69	-21.10	-18.23	27.89	220.8	9.2	213.1

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8LI DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (RH) 1904

LOCATION : ELKFORD B.C.

DATE OF LOG : 07-08-82

DATA FROM : V8L2*A

PROBE : 9055A 0008

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	-.17	-.02	.17	189.4	.5	189.3
40.00	39.97	-.81	.16	.83	168.4	1.9	162.9
60.00	59.94	-1.65	.76	1.82	155.1	2.9	144.3
80.00	79.91	-2.49	1.44	2.87	149.9	3.0	141.1
100.00	99.87	-3.22	2.40	4.02	143.3	3.4	127.5
120.00	119.81	-4.02	3.61	5.40	138.1	4.1	123.3
140.00	139.75	-4.81	4.91	6.87	134.4	4.3	121.3
160.00	159.68	-5.64	6.36	8.50	131.5	4.7	119.6
180.00	179.59	-6.65	7.86	10.30	130.2	5.1	123.9
200.00	199.51	-7.57	9.32	12.01	129.1	4.9	122.3
220.00	219.45	-8.42	10.65	13.58	128.3	4.5	122.4
240.00	239.39	-9.33	11.78	15.03	128.4	4.1	128.9
260.00	259.33	-10.49	12.82	16.57	129.3	4.4	138.3
280.00	279.25	-11.92	13.94	18.34	130.5	5.2	141.5
300.00	299.16	-13.49	14.86	20.07	132.2	5.2	149.7
TD 305.10	304.24	-13.92	15.09	20.53	132.7	5.4	152.3

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CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : (R.H.) 1905

LOCATION : ELKFORD B.C.

DATE OF LOG : 08-11-82

DATA FROM : V8L2*A

PROBE : 9055A 0245

TD = TOTAL DEPTH
T = TOP OF ZONE
R = 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	-.15	.24	.29	122.8	.8	122.8
40.00	39.94	-.44	1.42	1.48	107.3	3.4	103.6
60.00	59.81	-.70	3.59	3.66	101.2	6.2	96.9
80.00	79.61	-.60	6.34	6.36	95.5	7.9	87.9
100.00	99.31	-.27	9.70	9.71	91.6	9.7	84.3
120.00	118.91	.07	13.61	13.61	89.7	11.3	84.8
140.00	138.47	.56	17.72	17.73	88.2	11.9	83.2
160.00	158.00	1.19	21.96	21.99	86.9	12.3	81.4
180.00	177.51	1.79	26.33	26.39	86.1	12.7	82.2
200.00	197.01	2.31	30.70	30.79	85.7	12.7	83.1
220.00	216.50	2.89	35.13	35.25	85.3	12.9	82.6
240.00	235.98	3.38	39.62	39.76	85.1	13.0	83.7
260.00	255.44	3.49	44.23	44.37	85.5	13.3	88.6
280.00	274.84	3.32	49.03	49.15	86.1	13.9	91.9
300.00	294.17	2.97	54.14	54.22	86.9	14.8	93.9
TD 307.40	301.32	2.74	56.03	56.10	87.2	14.9	96.9

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