SUMMARY REPORT

1986 EXPLORATION & DEVELOPMENT PROGRAM

ILLUSTRATIONS

1A

726 - Geo Rpt + illus

coal
sst
where coal subcrop
sst
coal
sst
40
sst
40
coal
sst
37
sst
1690
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
22 400
22 200
22000
21800
21600
21400
650000
649800
649600
649400
649200
649000
RH 1468
RH-1469
RH-1470
RH-1471
0915
0.2 O.B. 85.5 T.O.
41
46
45
41
44
53
47
54
sst
shl.
coal
sst
shl.
coal
40
sst
42
slt
42
sst
36
37
sst
36
37
36
36
49
42
43
50
43
40
14
shl., mst, coalbloom
0925
1.5 O.B., 368.0 T.O.
LEGEND
1986 rotary drillhole RH-1472
Sandstone
Siltstone
Mudstone
Coal
Strike/dip 42
ALDRIDGE CREEK
AREA PROGRAM
EXPLORATION DRILLING
1986
SCALE: 1:2000
0 10 50 100
DATE: 87/02/11
DRAWN BY: D. D'Andrea
PLATES: K13, 14
ILLUS. 4a
726
5576800
5576400
5576000
5575600
5575200
164 500
164 700
164 900
165 100
165 300
165 500
165 700
165 900
21 400E
21 600E
21 800E
22 000E
22 200E
22 400E
164 500N
164 700N
164 900N
165 100N
165 300N
165 500N
165 700N
165 900N

#726

LIST OF ILLUSTRATIONS

ILLUSTRATION NO.	DESCRIPTION	
1	A. Index Map-Coal Properties	Scale 1:50,000
	B. General Geology Map	Scale 1:25,000
2	1986 Exploration Program	Scale 1:10,000
3	A. Turnbull Mountain Area Program Scale 1:2,000	
	B. Geological Cross Section 151,562N Scale 1:2,000	
4.	A. Aldridge Creek Area Program Scale 1:2,000	
	B. Geological Cross Section 164,300N Scale 1:2,000	
5.	A. K-Pit Area Program Scale 1:2,000	
	B. Geological Cross Section 149,612N Scale 1:2,000	
6.	A. South Greenhills Boundary Area Program Scale 1:2,000	
	B. Geological Cross Section 144,500N Scale 1:2,000	

115° 00'
50° 25'
114° 45'
50° 25'
50° 20'
50° 20'
50° 15'
50° 15'
50° 10'
50° 10'
50° 05'
115° 00'
50° 05'
114° 45'

LAND TENURE

	NO.	AREA – ACRES	AREA – HECTARES
LICENSES	67	31,529	12,766
LEASES	3	9,638	3,903
CROWN GRANTS	15	7,333	2,968
TOTAL		48,500	19,637

APPROXIMATE MAXIMUM PROPERTY DIMENSIONS

NORTH – SOUTH	15.9 MILES	;	25.5 KILOMETRES
EAST – WEST	8.4 MILES	;	13.5 KILOMETRES

LEGEND

COAL LEASES (NOS., OWNERSHIP)

L2 — FORDING COAL LTD.

COAL LICENSES (NOS., OWNERSHIP)

547 — COMINCO LTD.

CROWN GRANTS (LOT NOS., OWNERSHIP)

L 6048 — COMINCO LTD.

RAILROAD

EXISTING HIGHWAYS

726

ILLUSTRATION 1g

FORDING RIVER OPERATIONS

	RK	RK
RK	JULY '78	
JS	JUNE '83	

COAL PROPERTIES

FORDING COAL LIMITED

1 : 50,000 | OCT. 31, 1972

500 0 500 1000 1500 2000 2500

FORDING COAL PROPERTY LINE

MOUNT MACLAREN

MOUNT CORNWELL

MOUNT BOLTON

MOUNT SHANKLAND

COURCELETTE PEAK

HENRIETTA RIDGE

MOUNT TURNBULL

CASTLE MOUNTAIN

BROWNIE RIDGE THRUST FAULT

ERWIN PASS THRUST FAULT

ALEXANDER CREEK SYNCLINE

MOUNT VEITS

MOUNT TUXFORD

OSBORNE CREEK DEPRESSION

ALEXANDER CREEK SYNCLINE

ERICSON FAULT

GREENHILLS SYNCLINE

FORDING COAL PROPERTY LINE

BORGEAUX (ELK RIVER) THRUST FAULT

MOUNT BLEASDELL

ASHNOLA RIDGE

FORDING RIVER

CANADIAN PACIFIC

50°20'

114°48'

50°10'

114°57'

30 850 E

30 000 E

27 500 E

25 000 E

22 500 E

20 000 E

17 200 E

168 100 N

167 500 N

165 000 N

162 500 N

160 000 N

157 500 N

155 000 N

152 500 N

150 000 N

147 500 N

145 000 N

142 500 N

142 500 N

LEGEND

BLAIRMORE GROUP	B
KOOTENAY GROUP	K
FERNIE FORMATION	F
SPRAY RIVER FORMATION	S
RUNDLE GROUP	R

SYMBOLS

GEOLOGICAL CONTACT; DEF, APP

SYNCLINE; DEFINED, APPROX.

ANTICLINE; DEFINED, APPROX.

NORMAL FAULT; DEFINED, APPR.

THRUST FAULT, DEFINED, APPR.

726

Job No. 06333-7 Date Flown: August 1977

McELHANNEY SURVEYING & ENGINEERING LTD.

1 : 25 000

Function:

Activity:

Section:

Job:

Revisions			
No.	Made by	Date	Description

Drawn by J.S. JUNE 1983

Checked by

Design Eng.

Proj. Eng. Approved

GEOLOGY MAP — ILLUSTRATION Ib

fording COAL LIMITED

ENGINEERING

Metric Scale 1 : 25000

200 0 400 800 1200

Co-ordinates and Elevations on this Map are in Metres

L6830
CL 328

L6972
CL329

L6643
CL 330

L6719
CL331

L6644
CL332

L6784
CL556

L6718
CL557

L6978
CL333

L 6641
CL 334

LEASE 2

L6711
CL336

L6712
CL337

L6645
CL338

L6713
CL558

L6979
CL339

LEASE 5

LEASE 1

L6708

RH-292

RH-291

CL342

L6646
CL343

L6707
CL559

RH2056

L6980
CL344

RH-2054

LEASE 1

L6702

RH-2055

RH-2053

RH-2052

RH-2051

LEASE 2

L3423

CL510

L6688

CL355

L6689
CL356

L6690
CL357

RH-2116

L3422

L6635

CL358

L6636
CL511

CL804

L6687

CL359

L6686
CL360

L6685
CL361

RH-2119

RH-2121

RH-2123

RH-2125

RH-2126

RH-2127

154000.
153000.
152000.
151000.
150000.
149000.
148000.
147000.
146000.
145000.
144000.

5566000
5564000
5562000
5560000
5558000

726

1986 EXPLORATION DRILLING		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:10000	

Fording COAL LIMITED
FORDING RIVER OPERATIONS

NO.	MADE BY	DATE	DESCRIPTION
1	D.J.D.	97/02/06	1986 EXPLORATION

0 250 500 METRES

Fording COAL LIMITED
FORDING RIVER OPERATIONS

1986 EXPLORATION DRILLING		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
ILLUS. 2	1:10000	

RH-292

RH-291

LEGEND

1986 Rotary hole

Strike/dip

Sandstone

Siltstone

Mudstone

Coal

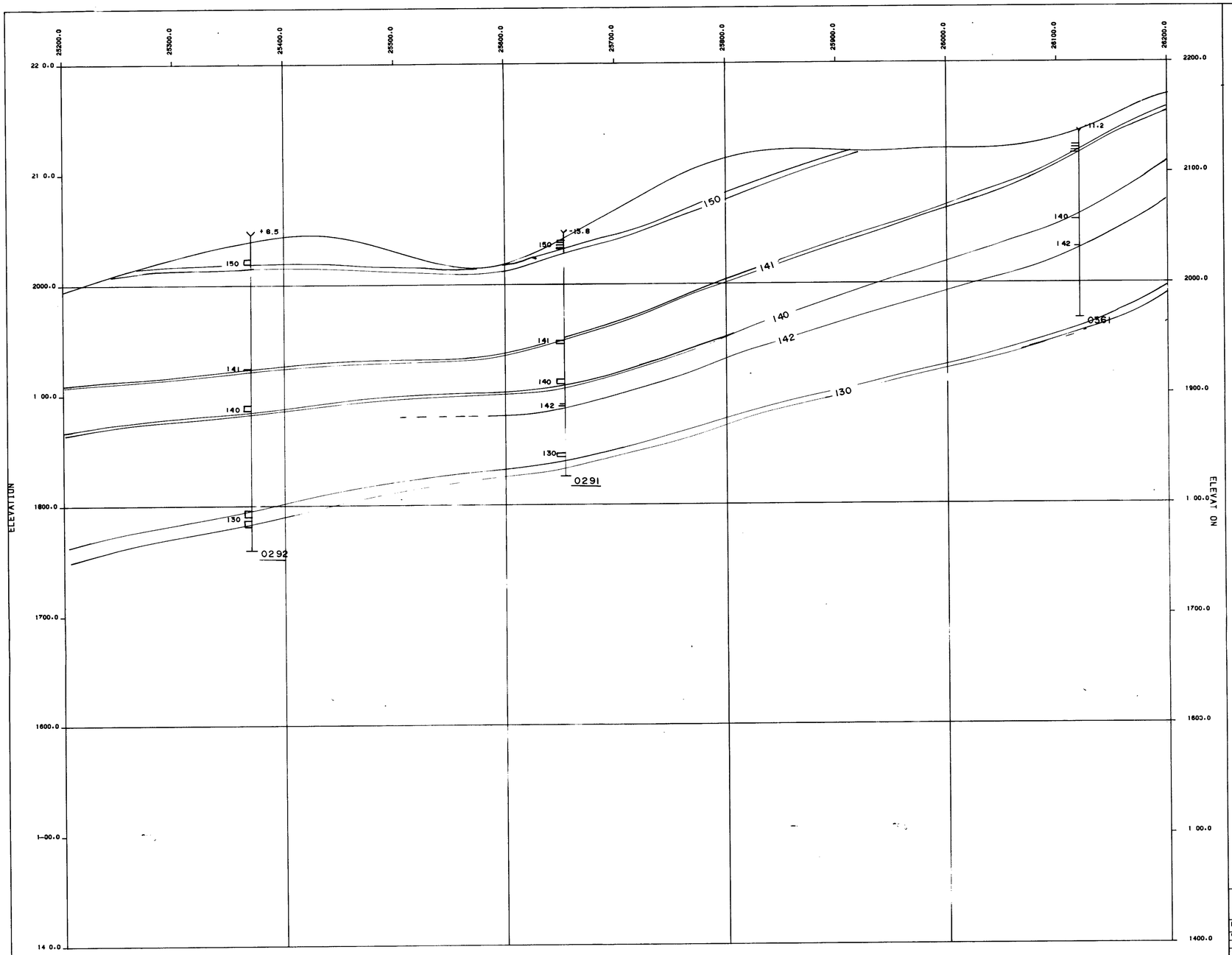
Fault

726

TURNBULL MOUNTAIN
AREA PROGRAM

illus 3A

DRAWN BY	DATE	SCALE	REVISED
D.DANDREA	87/02/09	1:2000	



LEGEND

1986 Exploration rotary drillhole — 0269

Seam designation — 150

0.0 4 .0 80.0 160.0 METRIC

TURNBULL MOUNTAIN

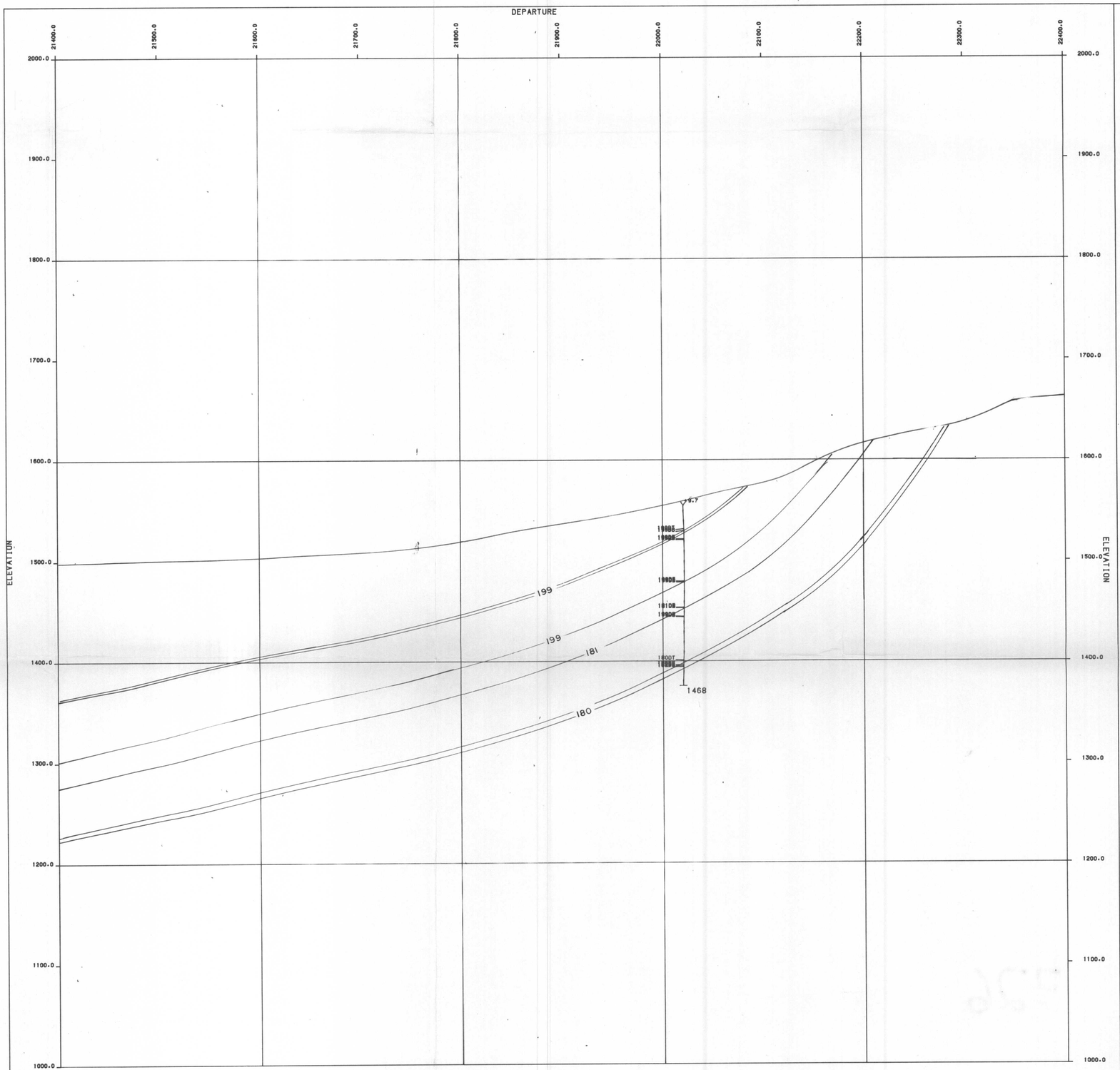
Fording

DRAWN BY: DJD	TRACED BY:

GEOLOGICAL CROSS SECTION
151562N

SCALE: 1:2000 | DATE: 87/02/10 | ILLUS. 3b

726



LEGEND

1986 Exploration rotary drillhole — 1468

Seam designation — 180 (199 = unidentified seam)

Distance drillhole, (−) south, (+) north of section. +9.7

0.0 40.0 80.0 180.0 METRIC

726

ALDRIDGE CREEK

Fording

DRAWN BY: D.J.D.	TRACED BY:	
REVISED BY / DATE	REVISED BY / DATE	

GEOLOGICAL CROSS SECTION
164300N
ILLUS. 4B

SCALE: 1:2000	DATE: 87/02/12	PLATE:

** K-PIT AREA PROGRAM

RH-2056
RH-2055
RH-2054
RH-2053
RH-2052
RH-2051

5562200
5561600
5561000
149800.
149600.
149400.
149200.
149000.
148800.
148600.
148400.
150000.
20000.
20200.
20400.
20600.
20800.
21000.
648800
649200

LEGEND

1986 rotary drillhole
Sandstone
Siltstone
Mudstone
Coal
Strike and dip

N

K-PIT AREA PROGRAM

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
illus. 5A	1:2000	

Fording COAL LIMITED
FORDING RIVER OPERATIONS

NO.	MADE BY	DATE	DESCRIPTION	NO.	MADE BY	DATE	DESCRIPTION	DRAWN BY / DATE
								DJD /87-02-03

0 50. 100.
METRES

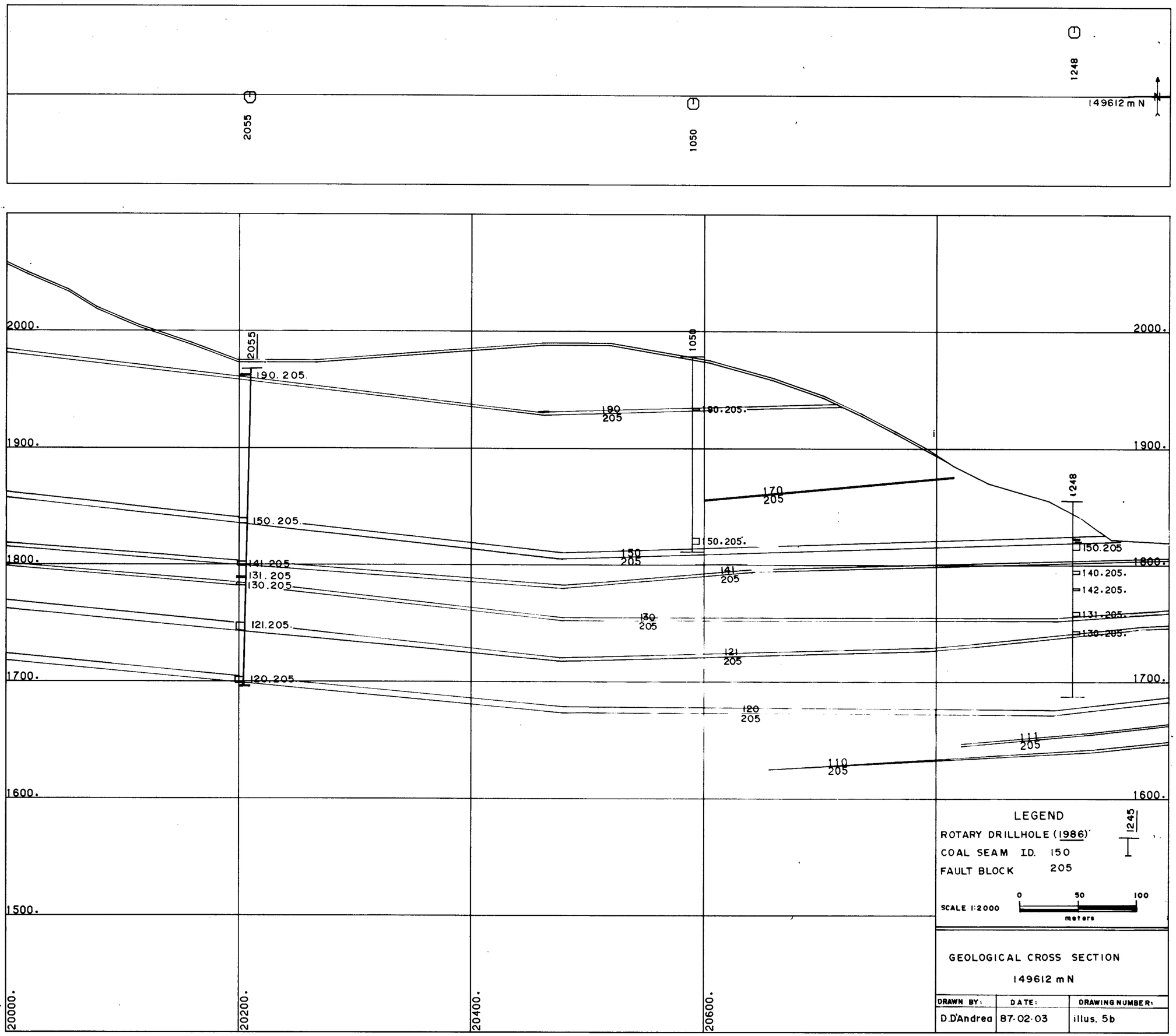
Fording COAL LIMITED
FORDING RIVER OPERATIONS

K-PIT AREA PROGRAM

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
illus. 5A	1:2000	

726

**SECTION 149612 N AT 1:2000



726

650,500 E
5,558,000 N
651,000 E
5,558,000 N
651,500 E
5,558,000 N
650,500 E
5,557,000 N
651,000 E
5,557,000 N
651,500 E
5,557,000 N
145400.
145200.
145000.
144800.
144600.
144400.
144200.
144000.
21450.
21600.
21800.
22000.
22200.
22400.
22600.
22800.
23000.
FORDING COAL, SOUTH PROPERTY LIMIT (APPROX)

LEGEND

Rotary drillhole and I.D. 1395 ⊙ (1395, 1986 exploration)

Diamond drillhole and I.D. 1300 ◇

Erickson normal fault S

Strike direction and dip degree 35

Coal

Mudstone

Siltstone

Sandstone

Syncline

Thrust fault

SCALE 1:2000

SOUTH GREENHILLS BOUNDRY AREA

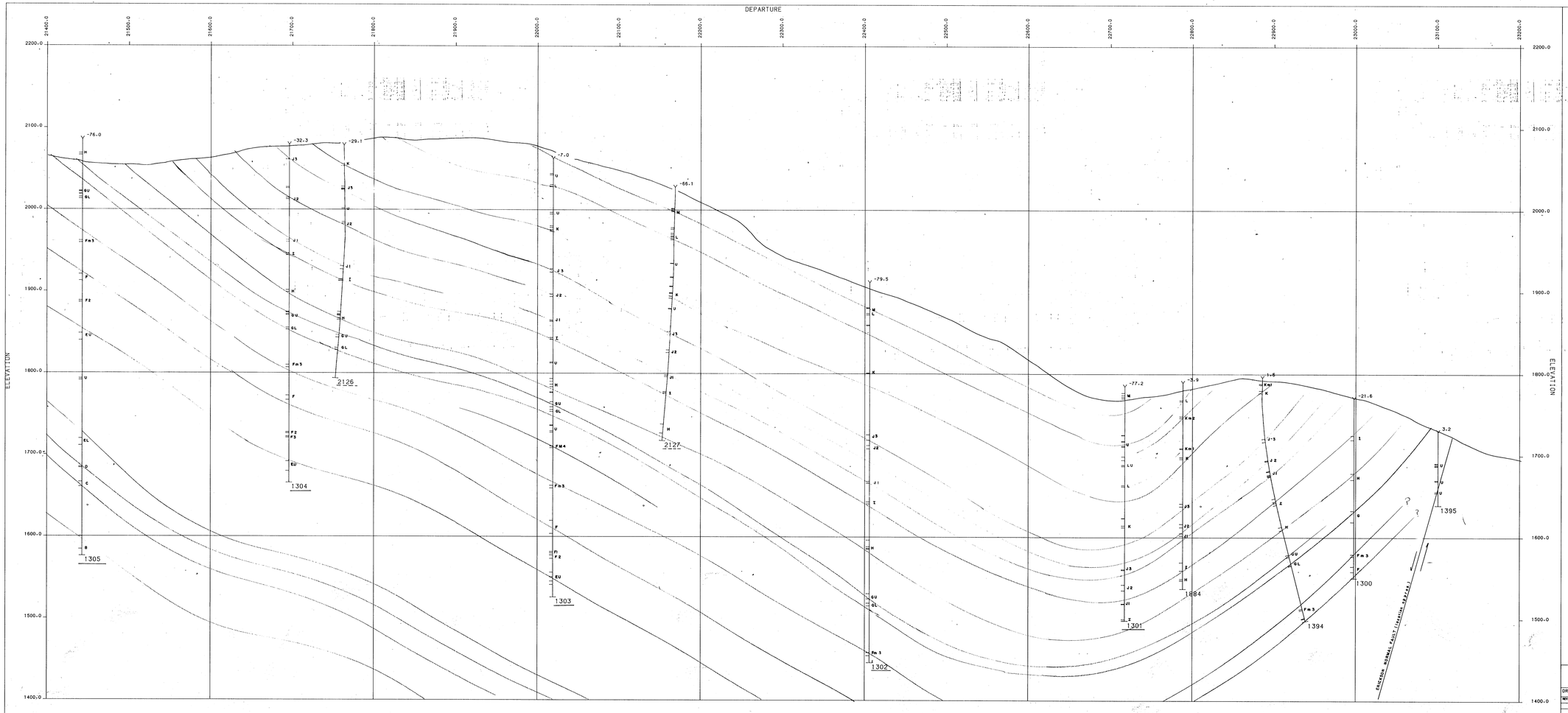
ILLUS. 6A

FORDING COAL LTD.

DRAWN BY: D.J. D'ANDREA DATE: 87/01/28

revisions	made by	date	description

726



LEGEND

Coal seam footwall

Rotary drillhole and I.D.

1200

Meters drillhole south of section -10
" " north " +0

Diamond drillhole and I.D.

1301

1986 exploration rotary holes

2127

0.0 40.0 80.0 160.0 METRIC

726

SOUTH GREENHILLS

Forcing

DRAWN BY: D.J.D.		TRACED BY:	
REVISED BY	DATE	REVISED BY	DATE

GEOLOGICAL CROSS SECTION
144500MN
ILLUS.6B

SCALE: 1:2000 | DATE: 87/01/22 | PLATE:

726

(2A)

APP-2

FILE: NEW LISTING A USERID: FRLASER PRINTER: FRCANE

****
* ID: 0292 *
****

DRILLHOLE HEADER

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RFXC	RMOI
18.00	25.00	COMPOSITE	199210	29.0	25.1	44.8	1.1
31.50	33.50	COMPOSITE	199210	39.2	24.3	35.4	1.1
118.00	125.50	COMPOSITE	199210	40.6	23.6	34.8	1.0
152.00	154.50	COMPOSITE	199210	18.1	26.7	54.0	1.2
155.00	158.50	COMPOSITE	199210	15.9	29.4	53.6	1.1
248.50	253.00	COMPOSITE	199210	33.2	22.9	42.9	1.0
258.00	263.50	COMPOSITE	199210	28.8	21.5	48.7	1.0

****
* ID: 0291 *
****

DRILLHOLE HEADER

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RFXC	RMOI
96.00	99.00	COMPOSITE	199210	45.9	22.3	31.0	0.8
130.50	137.00	COMPOSITE	142210	24.7	26.2	48.0	1.1
168.50	169.50	COMPOSITE	199210	33.7	22.9	42.5	0.9
200.00	202.50	COMPOSITE	199210	29.0	24.8	45.2	1.0

* ID: 2121 * DR
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
65.00	66.00	COMPOSITE	199205	17.7	34.0	1.4	5.0	0.61
79.00	79.50	COMPOSITE	199205	30.4	29.5	0.6	3.0	0.52
79.50	80.50	COMPOSITE	199205	16.2	31.7	1.8	3.0	0.67
130.50	131.50	COMPOSITE	199205	15.4	29.8	1.3	6.0	0.69
154.00	155.00	COMPOSITE	199205	31.6	27.5	1.1	6.0	0.56
160.00	162.00	COMPOSITE	199205	18.4	28.6	1.4	4.0	0.56
163.50	165.50	COMPOSITE	199205	15.6	29.7	1.4	7.0	0.60
198.00	201.50	COMPOSITE	199205	28.8	24.9	1.3	5.0	0.66
220.50	221.50	COMPOSITE	199205	29.8	25.7	1.0	6.5	0.64
240.00	242.00	COMPOSITE	199205	18.5	26.9	1.2	5.0	0.70
255.50	257.50	COMPOSITE	199205	24.6	26.6	1.1	6.5	0.56

****
* ID: 2119 * DR
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
14.00	17.00	COMPOSITE	199205	16.4	31.0	1.0	6.5	0.64
40.50	43.50	COMPOSITE	199205	21.7	28.0	0.9	7.0	0.58
76.50	81.00	COMPOSITE	199205	24.0	26.2	0.9	6.5	0.64
126.00	129.00	COMPOSITE	199205	33.8	24.0	1.0	5.0	0.82
148.50	153.00	COMPOSITE	199205	27.1	25.5	0.6	7.0	0.53
175.50	177.00	COMPOSITE	199205	11.8	27.7	0.5	7.0	0.65
180.50	182.00	COMPOSITE	199205	30.2	23.0	0.7	4.5	0.67
199.00	200.00	COMPOSITE	199205	38.2	21.2	0.5	6.5	0.58
202.50	204.00	COMPOSITE	199205	23.2	29.1	0.6	6.5	0.86
205.50	206.50	COMPOSITE	199205	18.6	24.4	0.5	3.5	0.56
227.50	229.00	COMPOSITE	199205	37.3	22.0	0.5	4.0	0.66
255.00	256.50	COMPOSITE	199205	30.3	22.1	0.8	2.0	0.42

****
* ID: 2116 * DR
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

2116

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
4.55	4.60	COMPOSITE	199205	11.5	33.8	1.2	7.0	0.75
5.95	6.05	COMPOSITE	199205	8.5	35.6	1.2	7.5	3.69
40.00	40.50	COMPOSITE	199205	29.1	26.8	1.3	4.5	0.51
65.00	65.50	COMPOSITE	199205	35.2	26.2	1.1	5.5	1.02
84.00	84.50	COMPOSITE	199205	33.6	26.7	1.0	5.5	1.05
91.50	92.00	COMPOSITE	199205	34.6	24.2	1.1	6.5	0.69
108.00	108.50	COMPOSITE	199205	25.1	28.6	1.1	7.0	0.74
125.50	126.50	COMPOSITE	199205	9.1	31.7	1.1	7.5	0.58
167.50	169.00	COMPOSITE	199205	21.7	33.0	0.9	6.5	0.35
203.50	206.50	COMPOSITE	199205	11.6	30.0	1.0	7.5	0.66
211.00	212.00	COMPOSITE	199205	31.6	25.1	0.8	7.0	3.52
213.50	214.50	COMPOSITE	199205	16.3	28.5	0.9	7.0	1.12
231.00	244.00	COMPOSITE	199205	19.5	26.7	1.0	6.5	0.52
280.50	283.50	COMPOSITE	199205	20.3	26.8	0.8	7.0	0.50
301.50	307.00	COMPOSITE	199205	22.9	25.0	0.9	6.5	0.47
321.00	323.00	COMPOSITE	199205	13.6	24.7	0.9	6.5	0.57
336.50	339.00	COMPOSITE	199205	29.1	23.5	0.8	5.5	0.82

FILE: PAULINE4 LISTING A USERID: FRLASER PRINTER: FRCANE

****
* ID: 2051 * SA
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
41.00	42.00	COMPOSITE	199205	26.7	30.4	1.0	6.0	99.00
56.00	56.50	COMPOSITE	170205	20.1	31.7	1.1	6.5	0.56
60.00	61.00	COMPOSITE	170205	10.8	34.3	1.2	6.5	0.66
80.00	84.50	COMPOSITE	153205	29.7	26.6	1.0	6.0	0.58
86.00	86.50	COMPOSITE	199205	27.6	28.9	1.0	6.5	0.76
123.50	127.00	COMPOSITE	199205	29.4	26.7	1.7	5.5	0.45
127.50	128.00	COMPOSITE	199205	34.0	24.6	1.6	4.0	0.73
168.00	172.00	COMPOSITE	150205	23.4	25.9	1.7	7.0	0.66
183.50	186.50	COMPOSITE	141205	18.2	28.2	1.6	7.0	0.67

FILE: PAULINE LISTING A USERID: FRLASER PRINTER: FRCANE

****
* ID: 2056 * DR
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
57.50	58.00	COMPOSITE	199205	38.1	25.7	1.1	3.5	1.20
60.50	61.00	COMPOSITE	199205	27.3	28.9	1.2	5.5	0.76
75.00	76.00	COMPOSITE	199205	32.2	25.5	1.0	4.5	0.44
82.50	83.00	COMPOSITE	199205	20.9	31.4	1.0	3.0	0.64
130.00	130.50	COMPOSITE	199205	35.0	22.1	1.1	4.5	0.52
165.50	166.00	COMPOSITE	199205	16.9	30.8	1.1	6.0	0.72
176.50	177.00	COMPOSITE	1993	39.2	29.9	1.0	4.0	0.54
192.50	196.50	COMPOSITE	150205	8.1	31.1	1.2	7.5	0.51
205.50	206.00	COMPOSITE	199205	14.0	24.5	1.1	7.0	0.68

****
* ID: 2055 * DR
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
60.05	61.10	COMPOSITE	199205	27.9	27.3	0.9	5.5	0.57
128.80	134.45	COMPOSITE	199205	15.7	29.4	1.2	6.0	0.53
168.00	170.05	COMPOSITE	199205	33.5	23.9	1.0	5.5	0.58
179.00	180.50	COMPOSITE	199205	13.7	28.8	-99.0	7.5	0.73
185.55	188.80	COMPOSITE	199205	36.9	22.4	1.1	6.0	0.56
219.00	222.50	COMPOSITE	199205	17.6	27.2	1.0	7.0	0.43
222.50	224.50	COMPOSITE	199205	14.9	27.8	1.1	6.5	0.38
266.00	269.00	COMPOSITE	199205	27.6	25.0	0.9	7.0	0.55
272.50	274.50	COMPOSITE	199205	15.6	27.4	1.0	7.0	0.50

****
* ID: 2054 * SA
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

2054

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
39.00	41.00	COMPOSITE	170205	36.1	27.2	1.0	4.5	0.48
151.00	157.50	COMPOSITE	150205	21.9	26.9	1.4	6.0	0.42

****
* ID: 2053 * DR
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
46.50	47.50	COMPOSITE	199205	20.4	31.2	1.2	6.5	0.60
59.00	60.00	COMPOSITE	199205	31.0	27.7	1.2	6.5	0.56
76.00	77.00	COMPOSITE	199205	29.2	26.6	1.0	5.5	0.56
165.50	170.50	COMPOSITE	199205	21.2	27.8	1.2	6.0	0.60
187.00	190.50	COMPOSITE	199205	42.2	21.6	1.0	5.0	0.60
206.50	207.50	COMPOSITE	199205	50.0	19.8	0.9	2.5	0.42
224.50	226.50	COMPOSITE	199205	37.5	22.9	1.0	5	0.60

****
* ID: 2052 * DR
****

***** NOTE: -99 INDICATES A MISSING VALUE. *****

726

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
28.50	31.00	COMPOSITE	199205	29.4	27.2	1.6	5.0	0.66
43.00	44.00	COMPOSITE	199205	20.4	32.0	1.3	4.5	0.84
65.50	66.00	COMPOSITE	199205	25.6	26.6	1.7	6.0	0.61
74.50	75.00	COMPOSITE	199205	35.5	25.1	1.6	5.0	0.63
103.00	104.00	COMPOSITE	170205	43.5	22.6	1.6	5.0	0.47
154.00	155.00	COMPOSITE	199205	39.4	22.9	1.8	3.5	0.56
160.00	167.00	COMPOSITE	150205	18.9	28.7	1.1	7.0	0.53
175.50	178.00	COMPOSITE	141205	26.6	25.6	1.1	7.0	0.59
200.00	202.60	COMPOSITE	140205	18.1	29.2	1.3	7.5	1.06

****
* ID: 2127 *
****

SU

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
26.50	27.00	COMPOSITE	199205	41.1	25.6	1.3	1.0	0.42
30.00	30.50	COMPOSITE	199205	34.7	28.8	1.1	2.5	0.46
50.00	53.50	COMPOSITE	199205	33.3	27.4	1.1	4.5	0.69
58.00	58.50	COMPOSITE	199205	22.7	31.1	1.2	5.0	0.70
65.00	67.50	COMPOSITE	199205	30.2	28.6	1.2	5.0	0.78
122.00	122.50	COMPOSITE	199205	30.5	27.8	1.1	6.5	0.68
130.00	132.00	COMPOSITE	199205	16.6	31.7	1.1	7.0	0.60
134.00	136.50	COMPOSITE	199205	35.2	25.1	1.2	5.5	0.48
177.50	182.50	COMPOSITE	199205	25.2	26.5	1.3	5.5	0.67
199.50	202.50	COMPOSITE	199205	20.8	26.5	1.4	7.0	0.76
230.50	232.00	COMPOSITE	199205	25.5	26.6	1.3	6.5	0.63
252.50	255.00	COMPOSITE	199205	20.2	27.8	1.3	7.0	0.74
291.00	293.50	COMPOSITE	199205	28.4	26.5	1.0	7.0	0.42
295.50	299.50	COMPOSITE	199205	23.8	26.3	1.2	7.0	0.44
300.00	302.00	COMPOSITE	199205	28.4	26.5	1.0	7.0	0.42

****
* ID: 2126 *
****

DR

726

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
23.00	26.00	COMPOSITE	199205	17.3	28.3	1.0	5.0	0.66
50.50	53.00	COMPOSITE	199205	17.4	28.6	1.0	6.0	0.73
55.00	55.50	COMPOSITE	199205	41.2	23.2	0.9	4.0	0.98
66.50	67.00	COMPOSITE	199205	32.4	25.5	0.9	7.0	0.74
78.00	79.50	COMPOSITE	199205	37.5	22.8	0.9	4.0	0.58
94.50	97.00	COMPOSITE	199205	29.0	25.0	1.0	6.5	0.56
149.00	153.50	COMPOSITE	199205	38.0	23.1	0.8	6.0	0.84
163.00	165.50	COMPOSITE	199205	10.1	30.0	0.9	7.5	0.66
205.00	207.00	COMPOSITE	199205	15.9	26.9	0.9	6.5	0.63
213.00	213.50	COMPOSITE	199205	24.9	25.6	0.9	7.5	0.83
233.00	233.50	COMPOSITE	199205	30.2	25.4	0.6	6.0	0.66
234.50	236.00	COMPOSITE	199205	27.1	22.9	0.7	3.5	0.56

248.50	251.00	COMPOSITE	199205	22.1	24.4	0.7	-99.0	99.00

****
* ID: 2125 *
****

DR

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
12.50	13.50	COMPOSITE	199205	25.1	29.1	1.6	2.0	0.68
36.00	38.50	COMPOSITE	199205	37.7	23.4	2.1	1.0	0.58
83.50	84.50	COMPOSITE	199205	14.7	32.9	1.1	4.5	0.57
90.00	91.50	COMPOSITE	199205	14.7	32.9	1.2	6.5	0.88
93.00	94.00	COMPOSITE	199205	38.2	24.8	1.2	3.5	0.77
103.50	104.00	COMPOSITE	199205	31.1	27.7	1.1	5.5	0.96
181.00	183.00	COMPOSITE	199205	28.8	25.1	1.1	4.0	0.53
191.00	194.00	COMPOSITE	199205	28.5	27.3	1.0	3.5	0.59
207.50	208.00	COMPOSITE	199205	25.2	27.5	1.4	7.5	0.84
276.00	276.50	COMPOSITE	199205	25.3	25.7	0.9	5.5	0.62
278.00	283.00	COMPOSITE	199205	27.2	27.0	0.9	5.5	0.58
285.00	288.00	COMPOSITE	199205	30.3	24.9	0.9	4.5	0.94

****
* ID: 2123 *
****

SA

726

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
22.00	23.00	COMPOSITE	199205	19.0	32.1	1.5	5.0	0.56
25.00	26.50	COMPOSITE	199205	40.6	23.6	1.5	1.0	0.54
71.00	73.00	COMPOSITE	199205	32.7	25.5	1.3	4.5	0.58
90.50	93.00	COMPOSITE	199205	17.4	30.4	1.4	6.0	0.64
97.50	99.00	COMPOSITE	199205	16.7	30.3	1.3	6.5	0.52
141.00	145.00	COMPOSITE	199205	22.5	26.8	1.4	6.5	0.60
167.50	168.00	COMPOSITE	199205	29.3	25.8	1.2	6.0	0.68
169.00	171.50	COMPOSITE	199205	21.2	28.4	1.3	7.0	0.68
201.00	203.00	COMPOSITE	199205	31.2	27.0	1.0	5.0	0.66
208.00	211.00	COMPOSITE	199205	29.7	25.4	1.2	5.5	0.62
231.50	232.00	COMPOSITE	199205	21.6	27.9	1.0	6.5	0.88
253.00	255.50	COMPOSITE	199205	32.1	24.5	1.0	6.0	0.38
267.00	269.00	COMPOSITE	199205	20.3	27.2	1.1	6.0	0.58

****

****
* ID: 0922 *
****

SA

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
71.00	74.10	COMPOSITE	199210	24.9	26.3	0.6	6.0	0.54
151.80	155.40	COMPOSITE	199210	25.9	20.9	0.4	5.5	0.62
155.40	156.00	CALCULATED	199210	49.8	-99.0	-99.0	1.0	99.00
156.70	157.30	COMPOSITE	199210	22.6	20.3	0.3	3.5	0.48
157.90	158.50	COMPOSITE	199210	37.8	18.3	0.3	2.5	0.44

FILE: PAULINE3 LISTING A USERID: FRLASER PRINTER: FRCANE

****
* ID: 1468 *
****

SA

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
24.50	25.00	COMPOSITE	199210	10.1	31.9	0.8	7.5	0.78
34.00	35.50	COMPOSITE	199210	18.8	29.4	0.6	7.5	1.02
100.50	101.00	COMPOSITE	181210	45.5	-99.0	-99.0	4.5	99.00
108.00	109.50	COMPOSITE	199210	39.2	20.9	0.9	7.0	0.66
155.00	159.50	COMPOSITE	180210	9.3	28.2	0.7	7.5	0.50

****
* ID: 1469 *
****

SA

***** NOTE: -99 INDICATES A MISSING VALUE. *****

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
62.50	63.00	COMPOSITE	199210	31.2	27.7	1.0	7.0	0.69
69.00	69.50	COMPOSITE	199210	32.3	27.3	1.0	7.5	0.60
118.00	118.50	COMPOSITE	199210	41.4	22.1	0.7	5.0	0.51
128.00	128.50	COMPOSITE	181210	40.1	43.9	0.5	3.0	0.46
173.50	178.00	COMPOSITE	180210	14.5	28.8	0.7	6.5	0.40
183.00	183.50	COMPOSITE	182210	40.9	19.4	0.7	4.0	0.52

****
* ID: 1470 *
****

SA

***** NOTE: -99 INDICATES A MISSING VALUE. *****

726

SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL

20.50	22.50	COMPOSITE	199210	25.4	28.5	0.9	7.0	0.82
37.50	38.50	CALCULATED	199210	44.1	-99.0	-99.0	-99.0	99.00
39.00	39.50	COMPOSITE	199210	47.4	-99.0	-99.0	-99.0	99.00
41.00	41.50	COMPOSITE	199210	4.4	-99.0	-99.0	-99.0	99.00
177.00	181.00	COMPOSITE	180210	10.0	31.6	0.8	7.5	0.46

****
* ID: 1471 *
****

SA

***** NOTE: -99 INDICATES A MISSING VALUE. *****

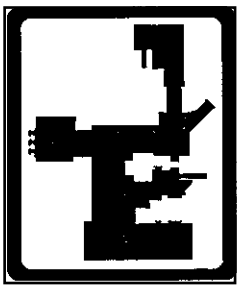
SAMPLE FROM	SAMPLE TO	ROCK TYPE	NAME	RASH	RVCM	RMOI	RFSI	RSUL
9.50	10.00	COMPOSITE	199210	27.8	27.9	1.1	6.5	0.91
26.50	28.00	COMPOSITE	199210	27.7	26.8	1.2	6.5	0.84
43.00	43.50	COMPOSITE	199210	36.3	25.7	1.0	5.5	1.94
73.50	74.00	COMPOSITE	199210	31.4	25.1	1.2	6.0	0.85
76.50	77.00	COMPOSITE	199210	10.0	32.6	1.4	7.5	0.88
77.50	79.50	COMPOSITE	199210	35.8	24.3	1.2	6.0	0.48
82.00	83.50	COMPOSITE	199210	33.7	25.2	1.2	5.5	0.52
141.50	142.00	COMPOSITE	199210	30.1	-99.0	-99.0	7.5	99.00
207.50	213.50	COMPOSITE	180210	19.8	29.5	0.9	7.5	0.55

*in Confidential File.

Fordimg Coal Limited

1986 Summary of Petrography

Government Copy



David E. Pearson & Associates Ltd.

David E. Pearson & Associates Ltd.
Consulting Coal Geologists & Petrographers

804 Leota Place, Victoria, B.C. V8Y 1H2 (604) 658-5963
Facsimile (Canon 520): (604) 658-1029

December 20, 1986.

Ken Komenac,
Fording Coal Limited,
P.O. Box 100,
Elkford,
British Columbia.
V0B 1H0

Dear Ken:

Re: Petrography of 1986 Coal Samples.

We are pleased to provide you with copies of our reports on the petrography of the above-described coals for use by the provincial government. We trust you will find the information to be most useful.

Once again, we thank you for the opportunity to have been of assistance to you.

Yours very truly,
David E. Pearson & Associates Ltd.,

David E. Pearson, Ph.D., P.Eng.

Fording COAL LIMITED

WELL LOG

COMPANY FORDING COAL LTD.
AREA TURNBULL
WELL RH-291
COUNTY STATE

726'

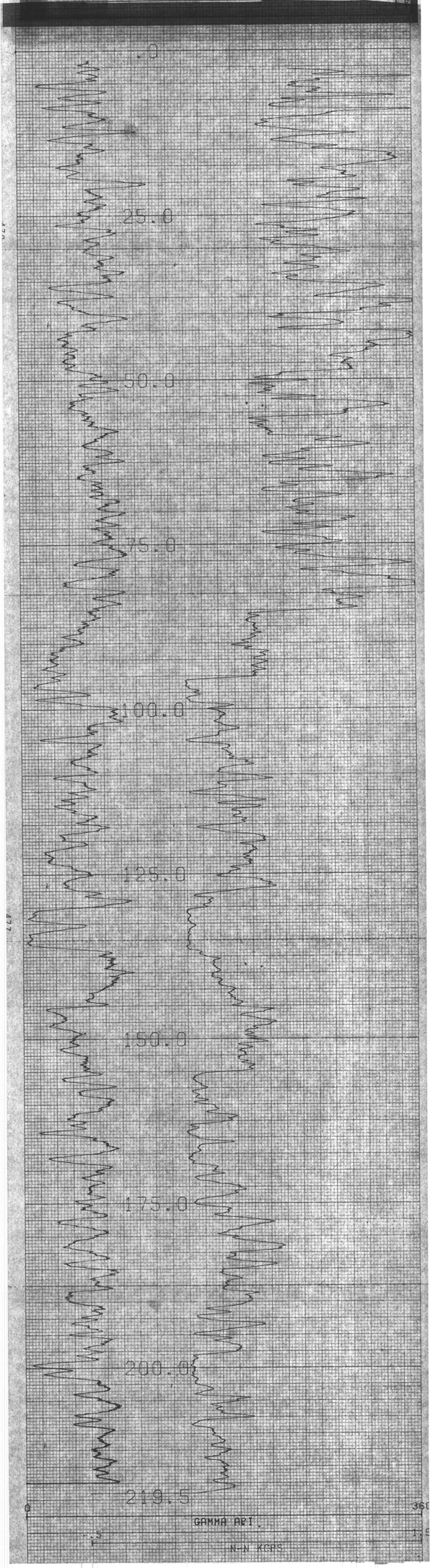
COORDINATES
N
S
ELEVATION
D.F.
K.B.
G.L.

COMPANY FORDING COAL LTD.
WELL RH-291
LOCATION TURNBULL

	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date	86/07/05		Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp.		
Casing Size			B.H. Temp.		
Bit Size					
Bit Size			Logged by	Les Yarwood	
			Witnessed by		

REMARKS

* Reg. U.S. Pat. Off.



726

Fording COAL LIMITED

WELL LOG

COMPANY: F.C.L.
WELL: RH-292
LOCATION: Turnbull Mtn

COMPANY F.C.L.
AREA Turnbull Mtn
WELL RH-292

726

Date 86/07/04

Logged by DAVE D'ANDREA

Fording COAL LIMITED

COMPU-LOG

WELL LOG

COMPANY Fording Coal Ltd
AREA Aldridge Creek
WELL RH-1468
COUNTY STATE

726

COORDINATES:
N
S
ELEVATION:
D.F.
K.B.
G.L.

COMPANY Fording Coal Ltd.
WELL RH-1468
LOCATION Aldridge Creek

	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date	86/07/23		Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp.		
Casing Size			B.H. Temp.		
Bit Size					
Bit Size					
			Logged by		
			Witnessed by	Les Yarwood	

REMARKS

* Reg. U.S. Pat. Off.

.0
25.0
50.0
75.0
100.0
125.0
150.0
176.5

0 GAMMA API 5

N-N KCPS

221

219

726

Fording COAL LIMITED

WELL LOG

726

COMPANY FORDING COAL LTD
AREA ALDRIDGE CREEK
WELL R.H. - 1969

726

COUNTY STATE

	Run No. 1	Run No. 2
Date	86/07/26	
First Reading		
Last Reading		
Footage Logged		
Bottom Driller		
Casing Drill Log		
Casing Driller		
Casing Size		
Bit Size		
Bit Size		

MUD	Run No. 1	Run No. 2
Nature		
Density		
Viscosity		
Resistivity @ °F	@ °F	@ °F
Sal. @ °F	@ °F	@ °F
pH		
Circ. Temp.		
B.H. Temp.		

Logged by LES YARWOOD
Witnessed by

REMARKS

COMPANY FORDING COAL LTD
WELL R.H. - 1969
LOCATION ALDRIDGE CREEK

0
25.0
50.0
75.0
100.0
125.0
150.0
175.0
200.5

0 GAMMA API
-1 5 N-N KCPS

213
211

Fording COAL LIMITED

WELL LOG

726

COMPANY: FORDING COAL LTD.
AREA: ALDRIDGE CREEK
WELL: RH 1470

COORDINATES
N.
E.
ELEVATION
D.F.
K.B.
G.L.

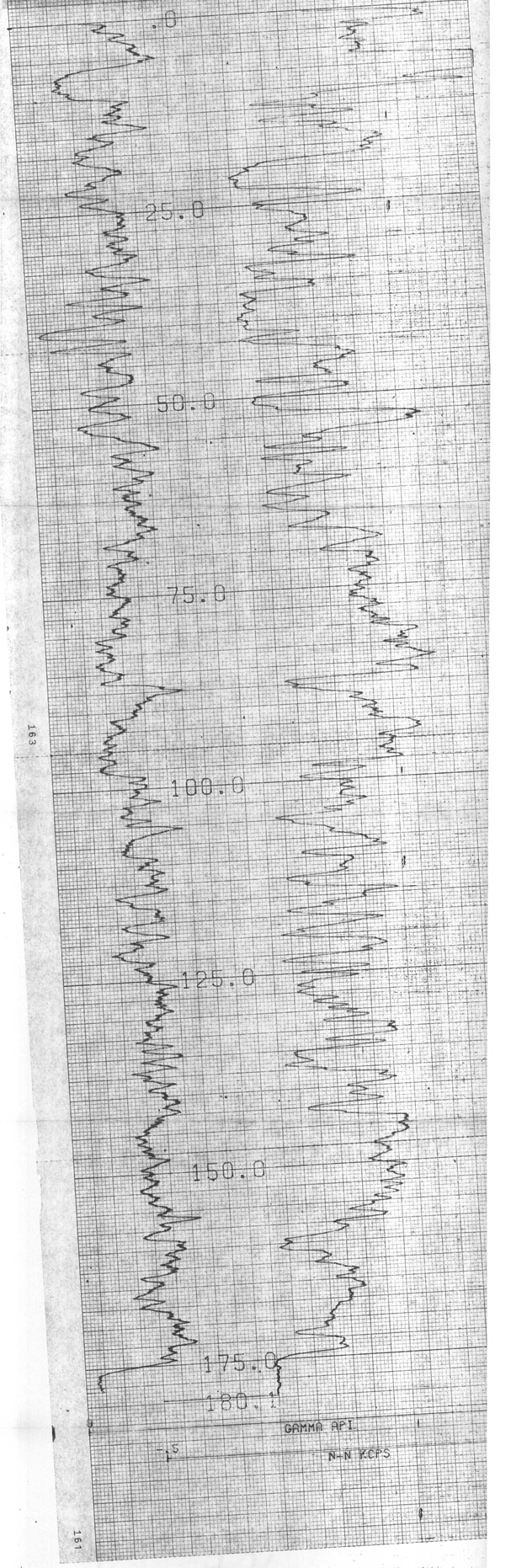
COMPANY: FORDING COAL LTD.
WELL: RH 1470
FIELD: ALDRIDGE CREEK

COUNTY | STATE

	Run No. 1	Run No. 2
Date	86/07/29	
First Reading		
Last Reading		
Footage Logged		
Bottom (Driller)		
Casing (From Log)		
Casing (Driller)		
Casing Size		
Bit Size		
Bit Size		

MUD	Run No. 1	Run No. 2
Nature		
Density	@ °F	@ °F
Viscosity	@ °F	@ °F
Resistivity	@ °F	@ °F
Res. @ BHT		
pH		
Circ. Temp.		
B.H. Temp.		
Logged by	J. SZOKMANS	
Witnessed by		

REMARKS



163

161

Fording COAL LIMITED

COMPU-LOG

WELL LOG

COMPANY Fording Coal Ltd.

AREA Aldridge Creek

WELL RH-1971

COUNTY _____ STATE _____

726

COORDINATES
N
S
ELEVATION
DF
KB
GL

COMPANY Fording Coal Ltd.
WELL RH-1971
LOCATION Aldridge Creek

	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date	86/09/28		Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp		
Casing Size			B.H. Temp		
Bit Size					
Bit Size					
			Logged by	Les Yarwood	
			Witnessed by		

REMARKS

* Req. U.S. Par Off.

.0
25.0
50.0
75.0
100.0
125.0
150.0
175.0
200.0
219.4

GAMMA API
.5 360
N-N KCPS
.5 1.5

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

Fording
COAL LIMITED
COMPU-LOG

WELL LOG

726

COMPANY: Fording Coal Ltd.
AREA: K-Pit
WELL: RM-2051
COUNTY: STATE:

COORDINATES
ELEVATION
D.F.
K.B.
G.L.

RM.E.C.L.
RM-2051
K-Pit

	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 3
Date	86/04/29		Nature		
First Reading			Density		
Last Reading			Viscosity	@	@
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Cnc. Temp.	°F	
Casing Size			B.H. Temp.		
Bit Size					
Bit Size			Logged by		
			Witnessed by	Les VARWOOD	

REMARKS

.0
25.0
50.0
75.0
100.0
40 KUPD
125.0
150.0
175.0
188.8

0 GAMMA API 360

.5 N-N KCPS 1.5

Fording COAL LIMITED

WELL LOG

726

COMPANY Fording Coal Ltd.

LEASE K-Pit Extension

WELL RH-2052

COUNTY STATE

COORDINATES
N
S
ELEVATION
DF
KB
GL

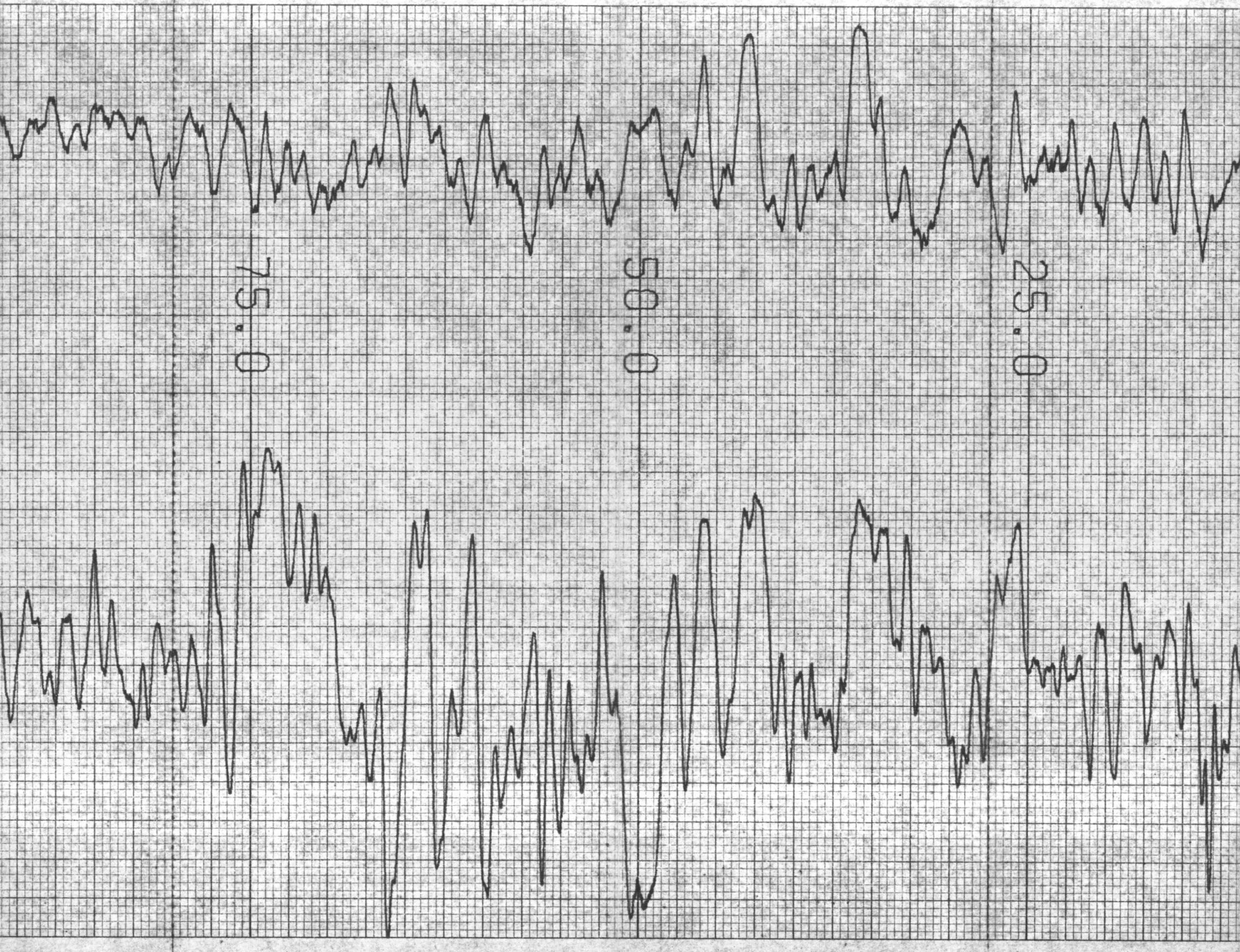
726

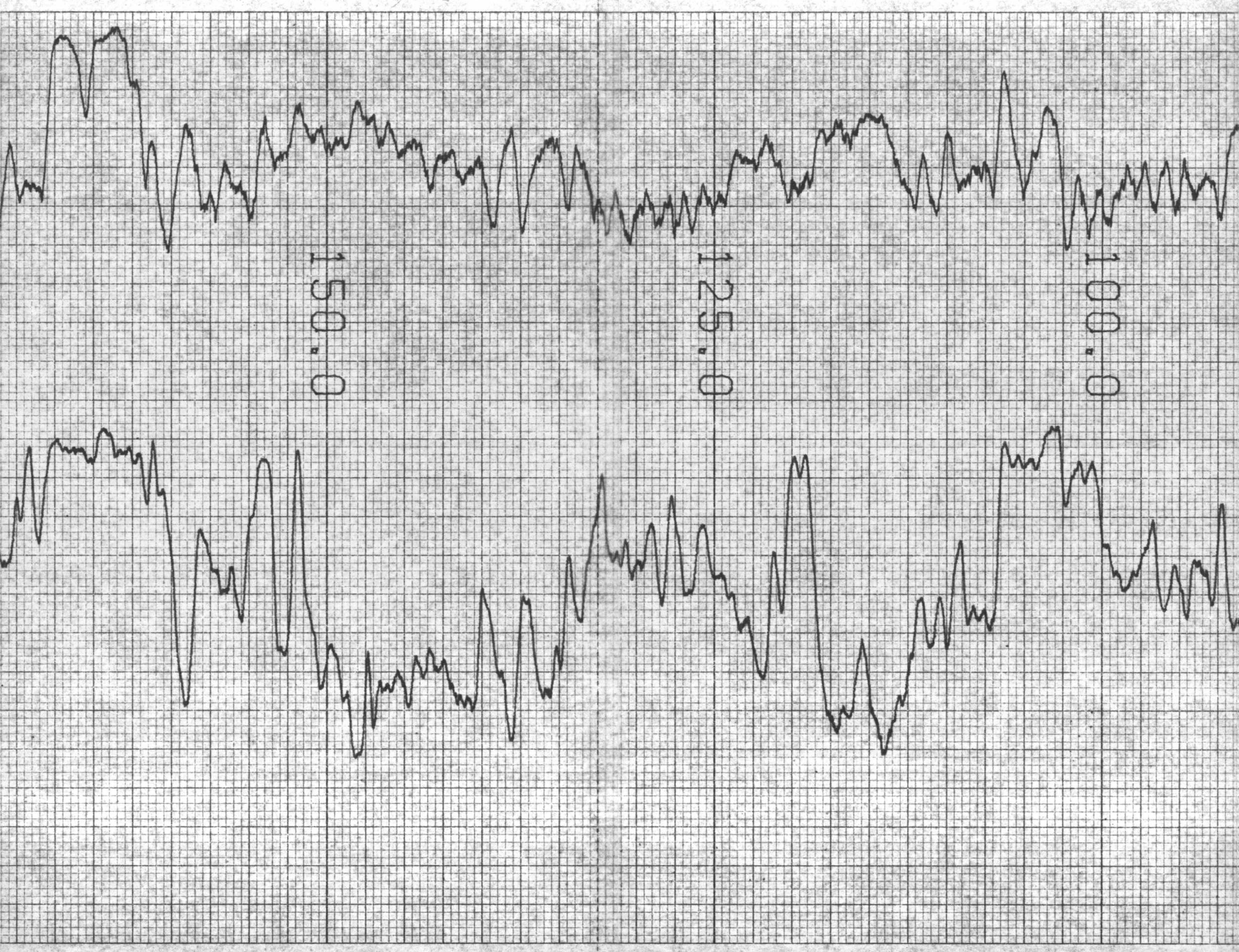
Company FCL
Well RH-2052
Location K-Pit Extension

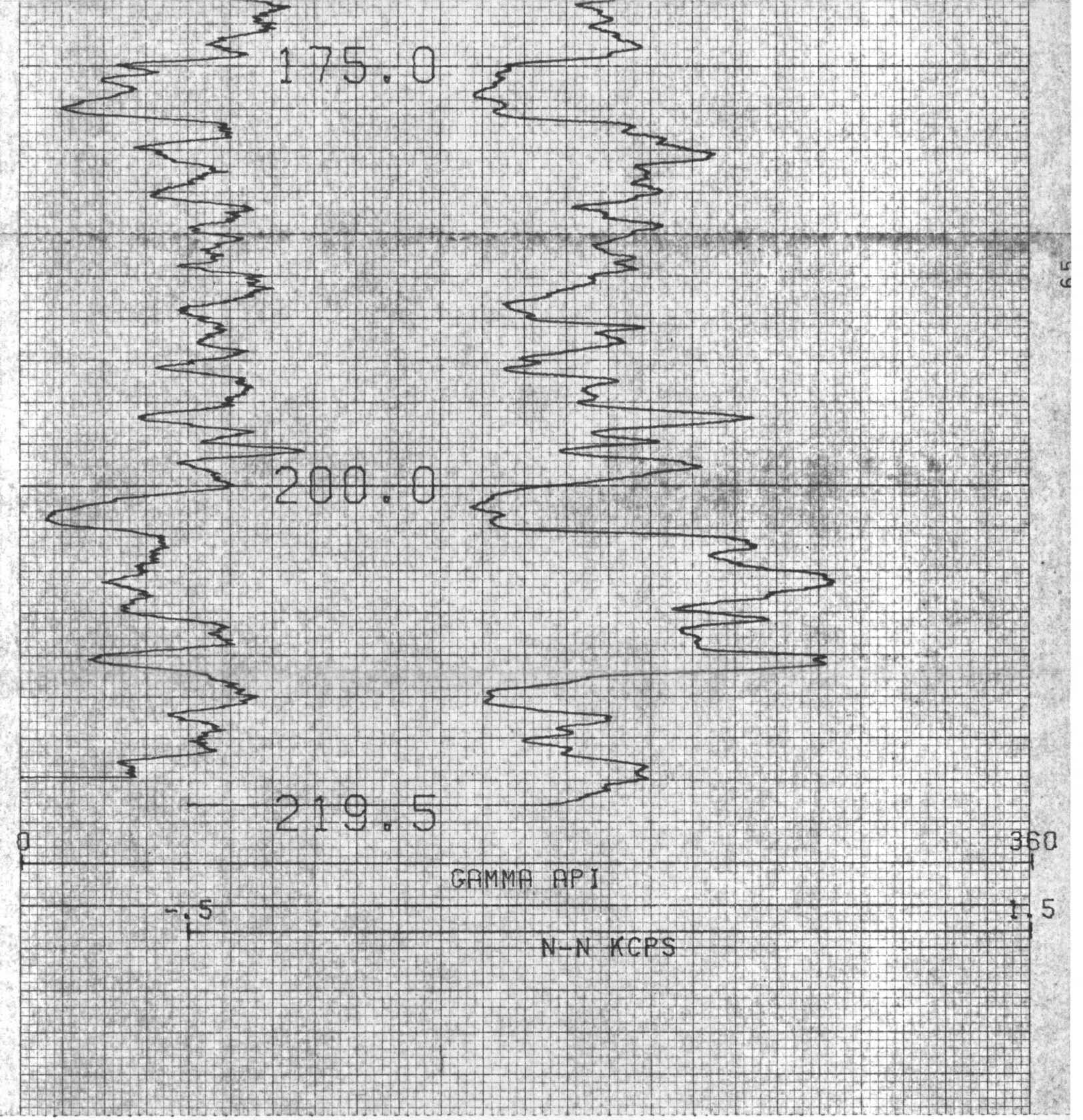
	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date 86/06/26			Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Feet Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Cont. Temp.		
Casing Size			B.H. Temp.		
Bit Size					
Bit Type					
			Logged by	DAVE D'ANDREA	
			Witnessed by		

REMARKS

* Reg. U.S. Pat. Off.


0.5V
0.5V
0.5V


0.50
0.50
0.50


175.0
200.0
219.5
0
360
GAMMA API
-.5
1.5
N-N KCPS

Fording COAL LIMITED
COMPU-LOG

WELL LOG

COMPANY F.C.L.
WELL RH-2053
LOCATION K-Pit Extension

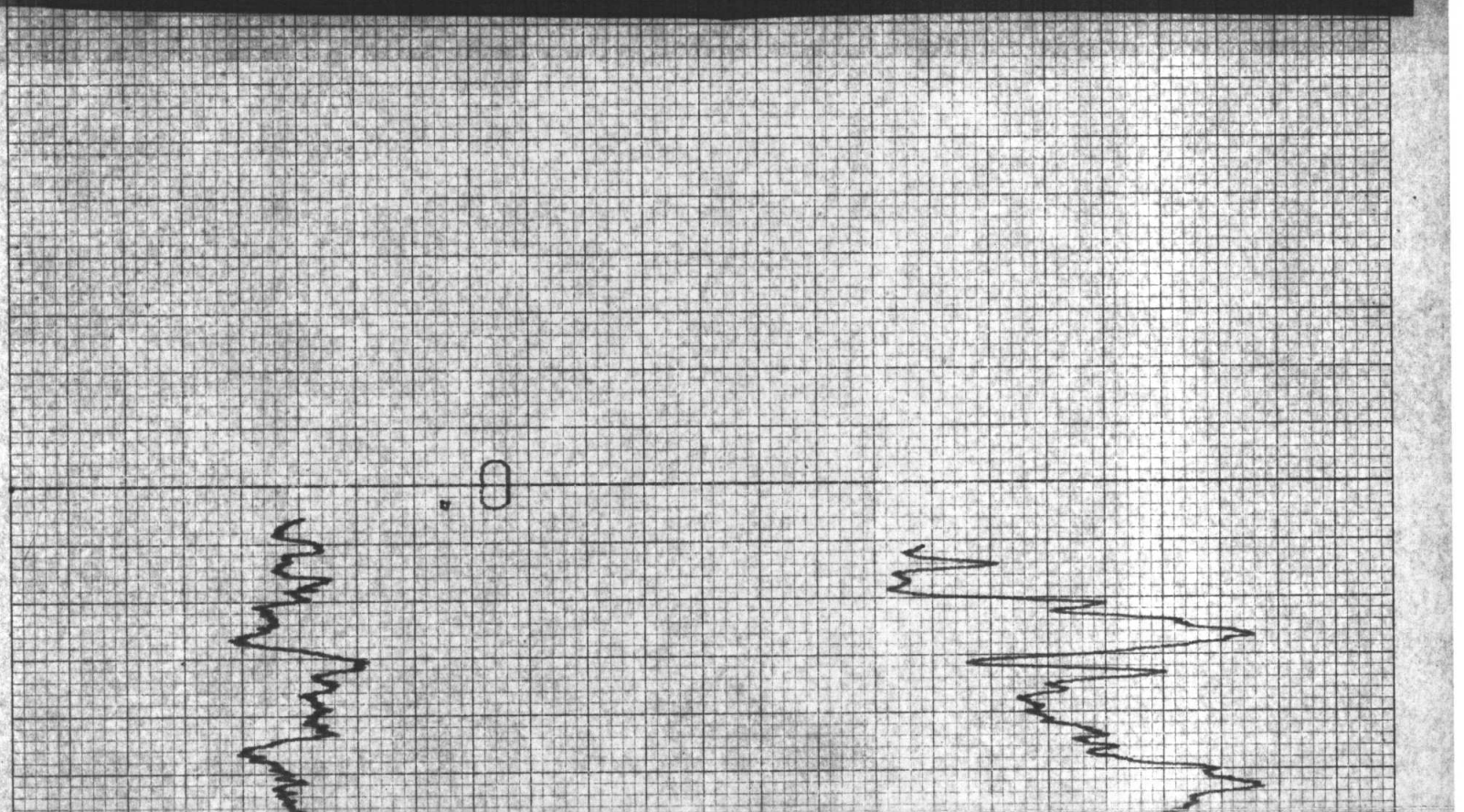
COMPANY Fording Coal Ltd.
AREA K-Pit Extension
WELL RH-2053
COUNTY STATE

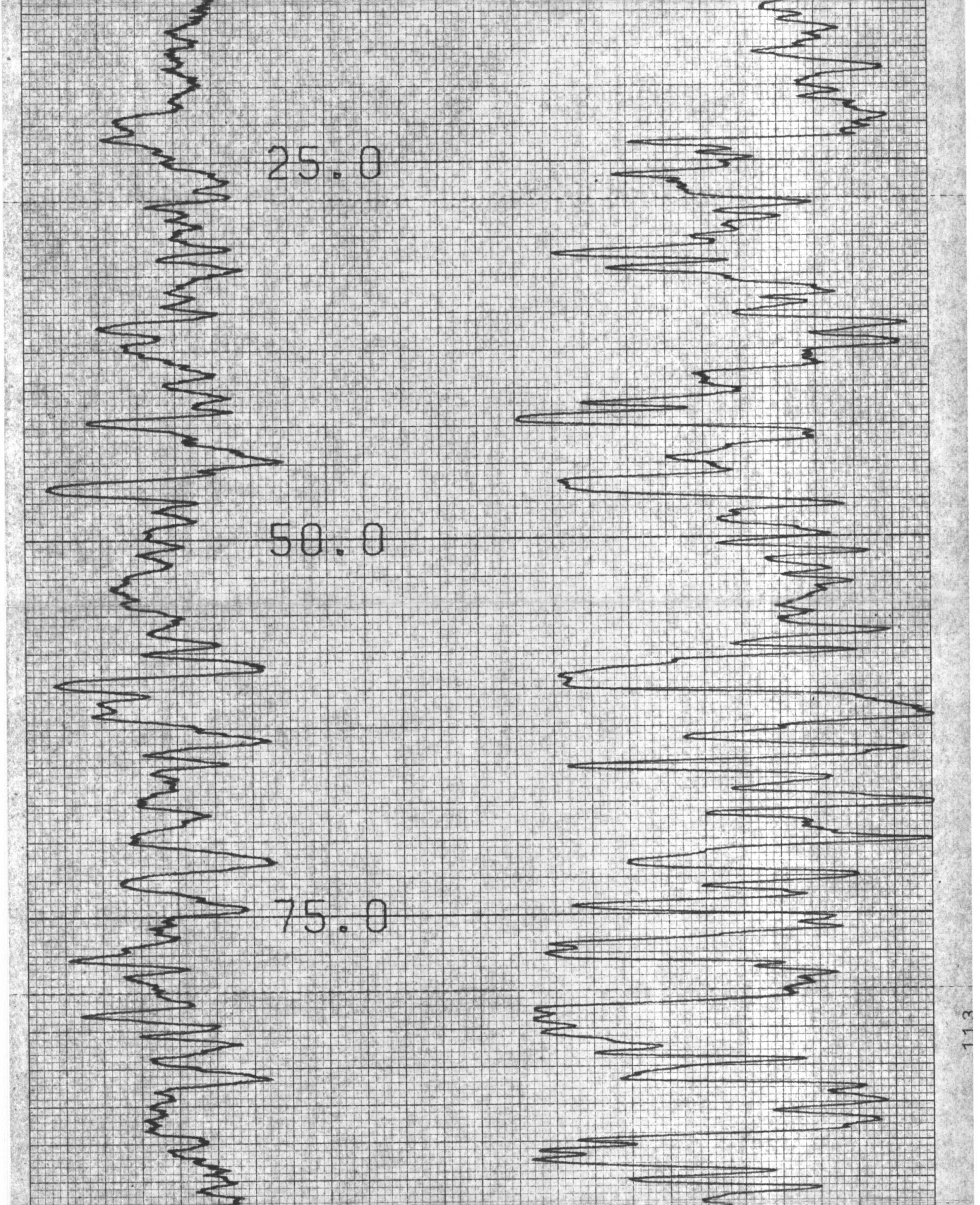
726

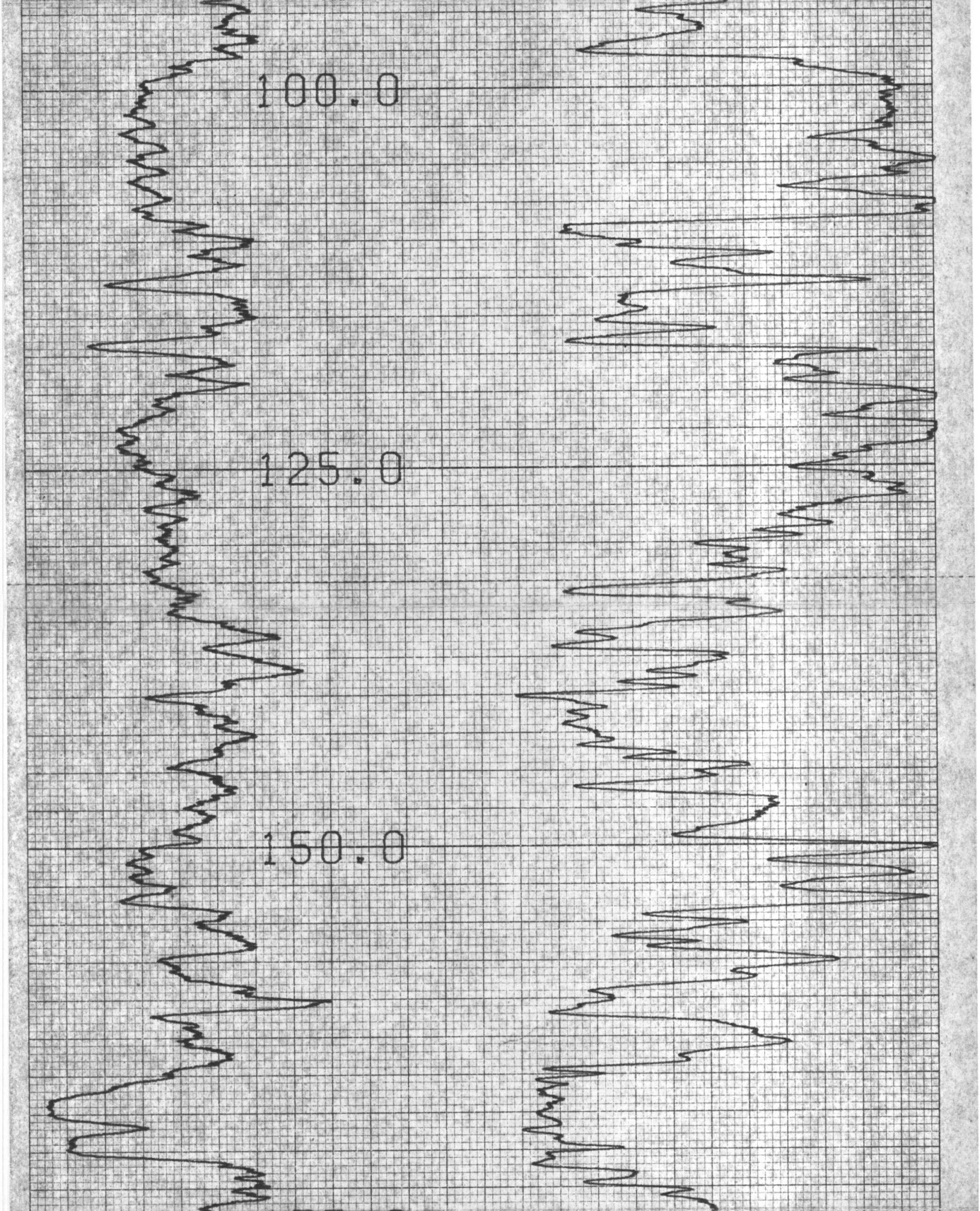
COORDINATES
N
S
ELEVATION
D.F
K.B
G.L

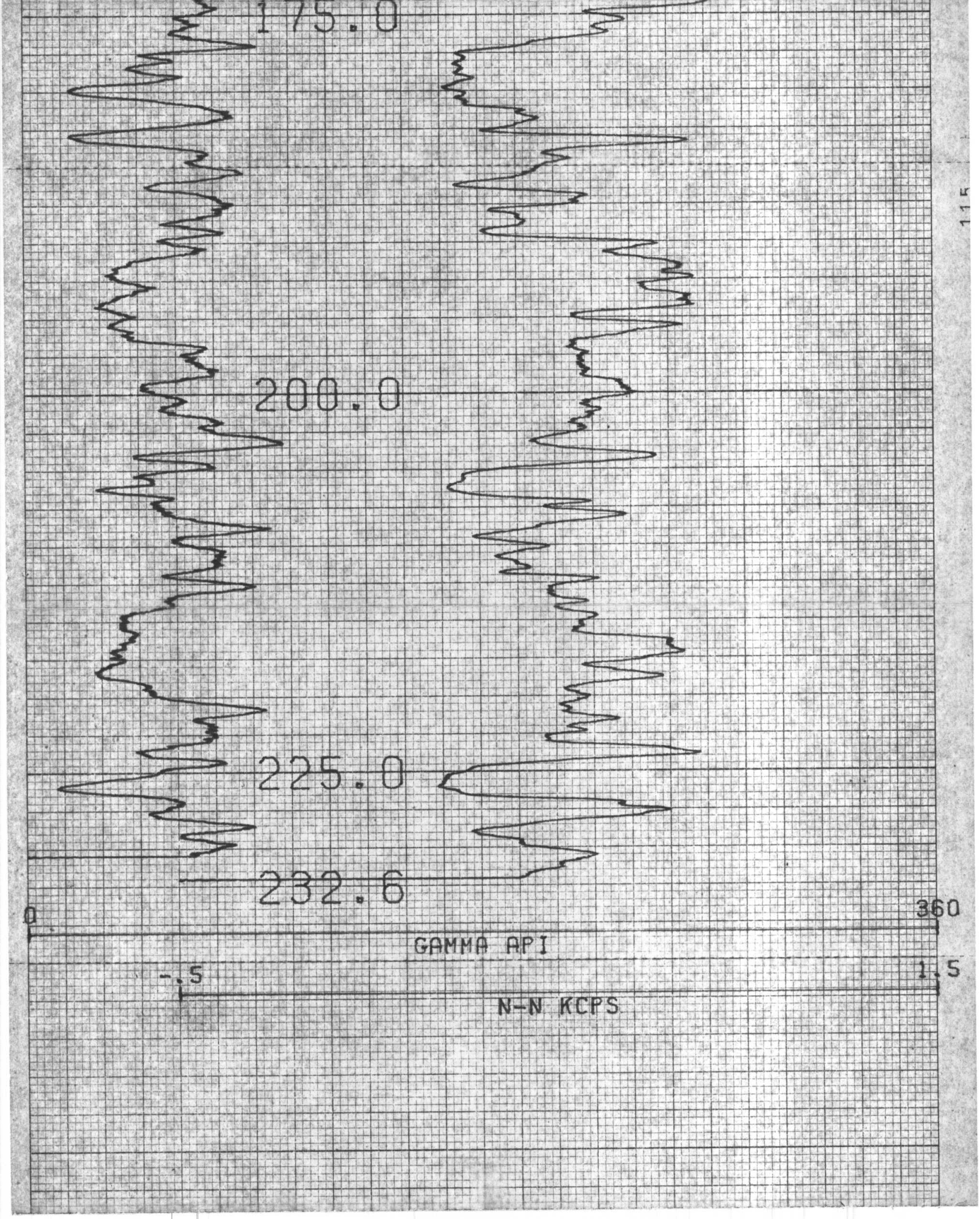
	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date	84/07/02		Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp.		
Casing Size			B.H. Temp.		
Bit Size					
Bit Size					
			Logged by	LES YARWOOD	
			Witnessed by		

REMARKS




25.0
50.0
75.0


100.0
125.0
150.0


175.0
200.0
225.0
232.6
0
360
GAMMA API
-.5
1.5
N-N KCPS

Fording COAL LIMITED

726

WELL LOG

726

K-PIT Extension

RH-2034

86/06/27

LES YARWOOD

RH2054

K-PIT Extension

.0

25.0

50.0

75.0

100.0

125.0

150.0

164.6

0 GAMMA API 360

.5 N-N KCPS 1.5

Fording COAL LIMITED

COMPU-LOG

WELL LOG

COMPANY F.C.L.

AREA Upper Greenhills (K-Pit Extension)

WELL R.H.-2055

COUNTY STATE

726

COORDINATES N S

ELEVATION D.F. K.B. G.L.

COMPANY F.C.L.

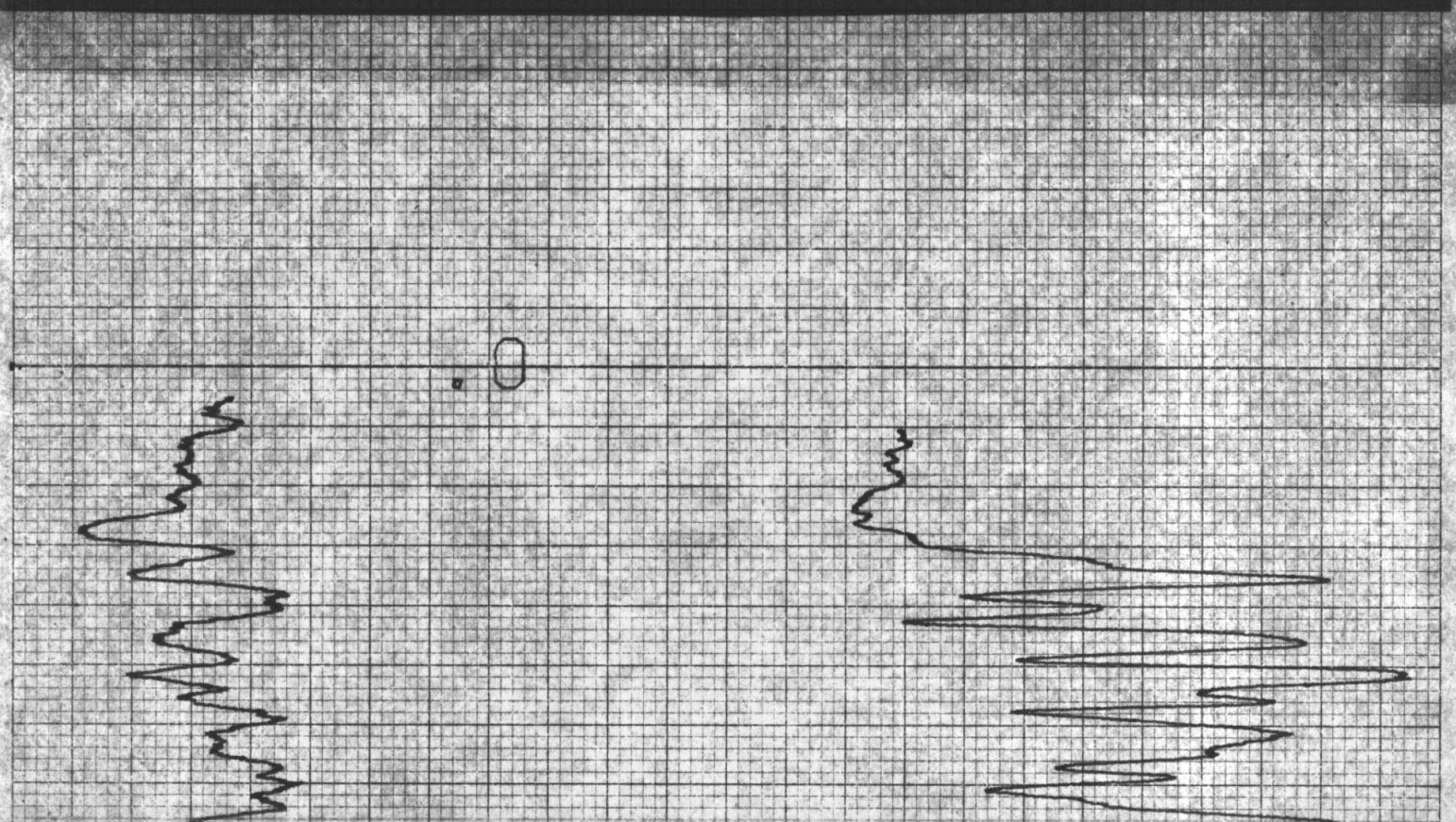
WELL R.H.-2055

LOCATION U. Greenhills (K-Pit Ext)

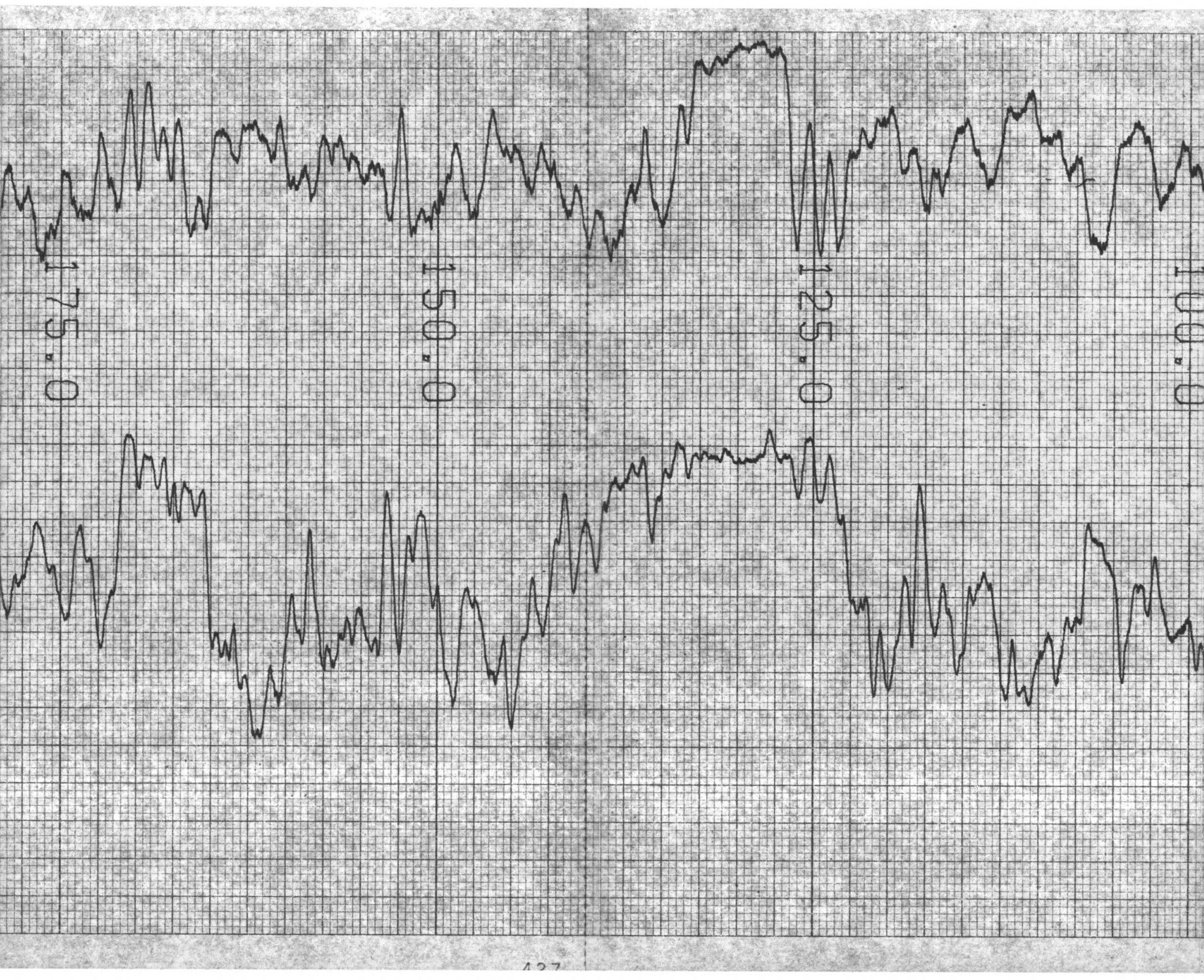
	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date 86/06/17			Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp.		
Casing Size			B.H. Temp.		
Bit Size					
Bit Size					
			Logged by	LES YARWOOD	
			Witnessed by		

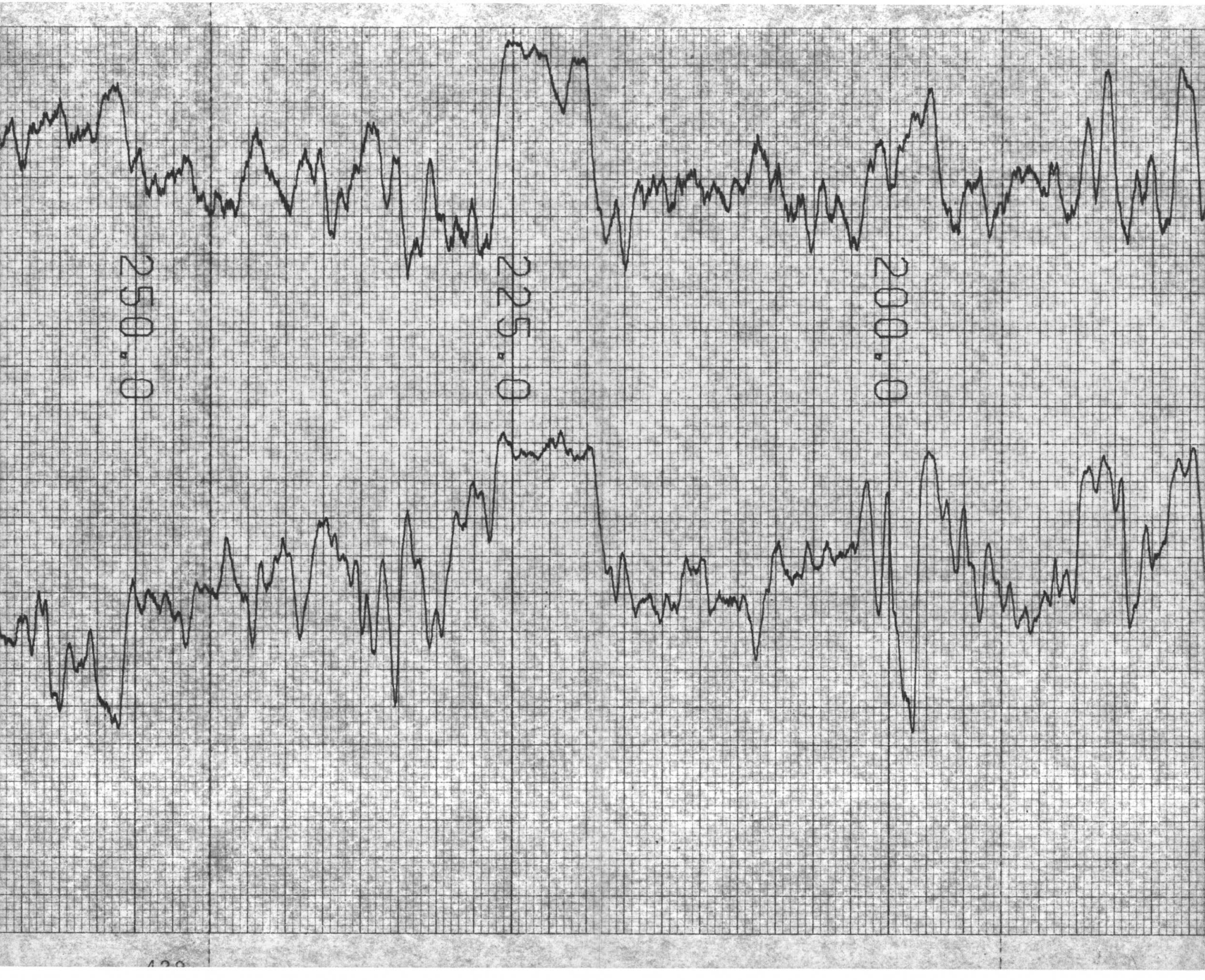
REMARKS

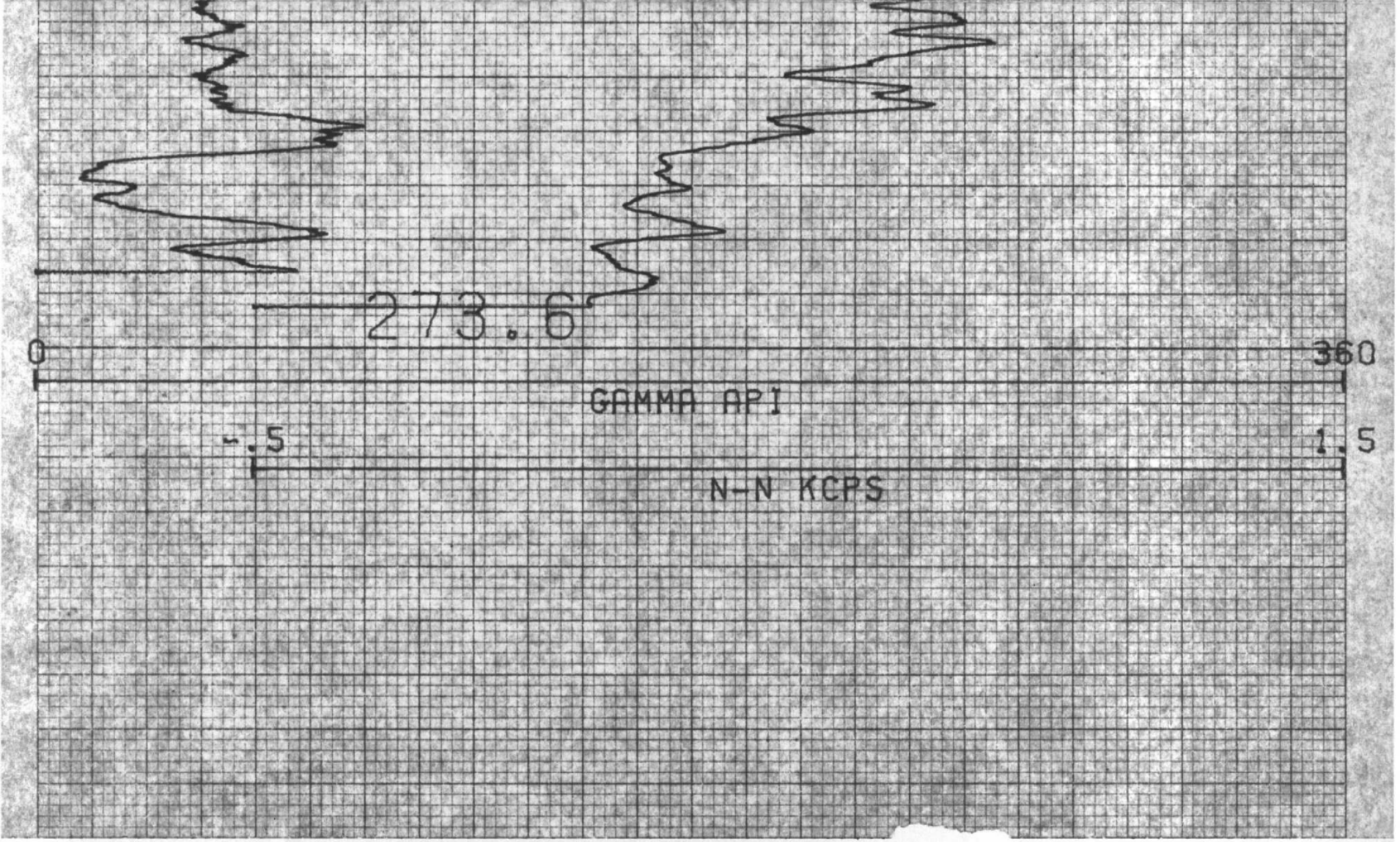
* Reg. U.S. Pat. Off.




0.5V
0.5V
0.5V


0.500
0.500
0.500
0.500


0.00
0.50
0.00
0.50
0.00
0.50


273.6
0
360
GAMMA API
-.5
1.5
N-N KCPS

Fording COAL LIMITED

WELL LOG

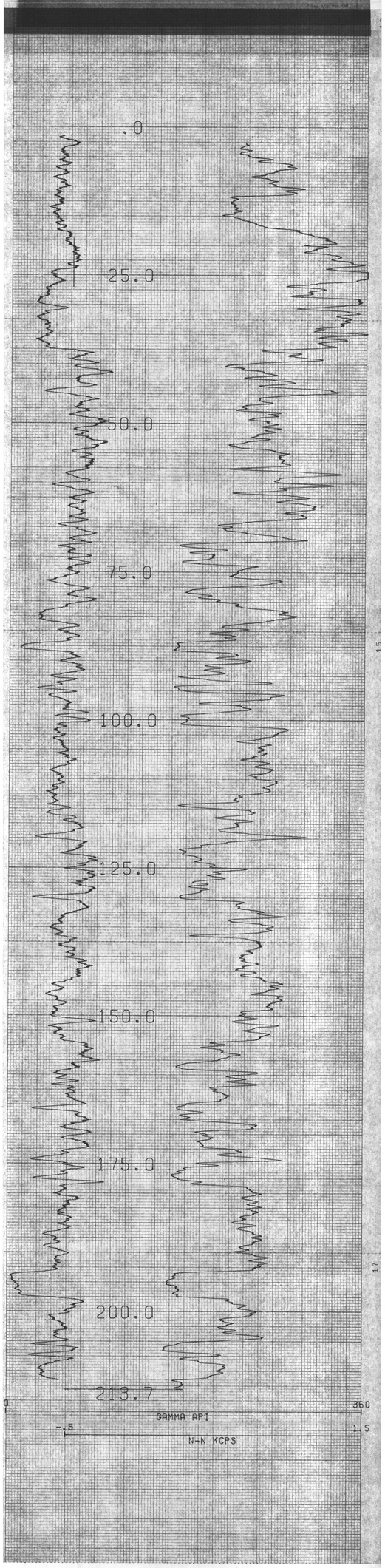
F.C.L.
K-PIT EXT.
R.H.-2056

726

F.C.L.
R.H.-2056
K-PIT EXT.

24/04/89

LES VARWOOD



Fording COAL LIMITED
COMPU-LOG

WELL LOG

726

COMPANY Fording Coal Ltd.
AREA S. Greenhills
WELL S.H. 2116
COUNTY STATE

COORDINATES
X
Y
ELEVATION
D.F.
K.B.
G.L.

Run No. 1 | Run No. 2 | Run No. 1 | Run No. 2

Date 26/8/15
First Reading
Last Reading
Footage Logged
Bottom Driller
Casing (From Log)
Casing (Driller)
Bit Size
Bit Size

MUD
Nature
Density
Viscosity
Resistivity @ °F
Res. @ BHT
pH
Fluid Loss
Source
Rm @ °F
Rmf @ °F
Rmc @ °F
Max. Rec. Temp.
BHT
Time Since Circ.
Max. Temp.
Equip. Location

Logged by
Witnessed by Les Yamashita

REMARKS

Company Fording Coal Ltd.
Well S.H. 2116
Field S. Greenhills

Reg. U.S. Pat. Off.

.0
25.0
50.0
75.0
100.0
125.0
150.0
175.0
200.0
225.0
250.0
275.0
300.0
325.0
340.9

0.91
0.93
0.97
0.96
1.02
1.04
1.02
1.01
1.04

GAMMA API
0 150

N-N KCPS
.15 1.6

Fording COAL LIMITED

COMPU-LOG

WELL LOG

COMPANY FORDING COAL LTD.

AREA SOUTH GREENHILLS

WELL RH - 2119

COUNTY _____ STATE _____

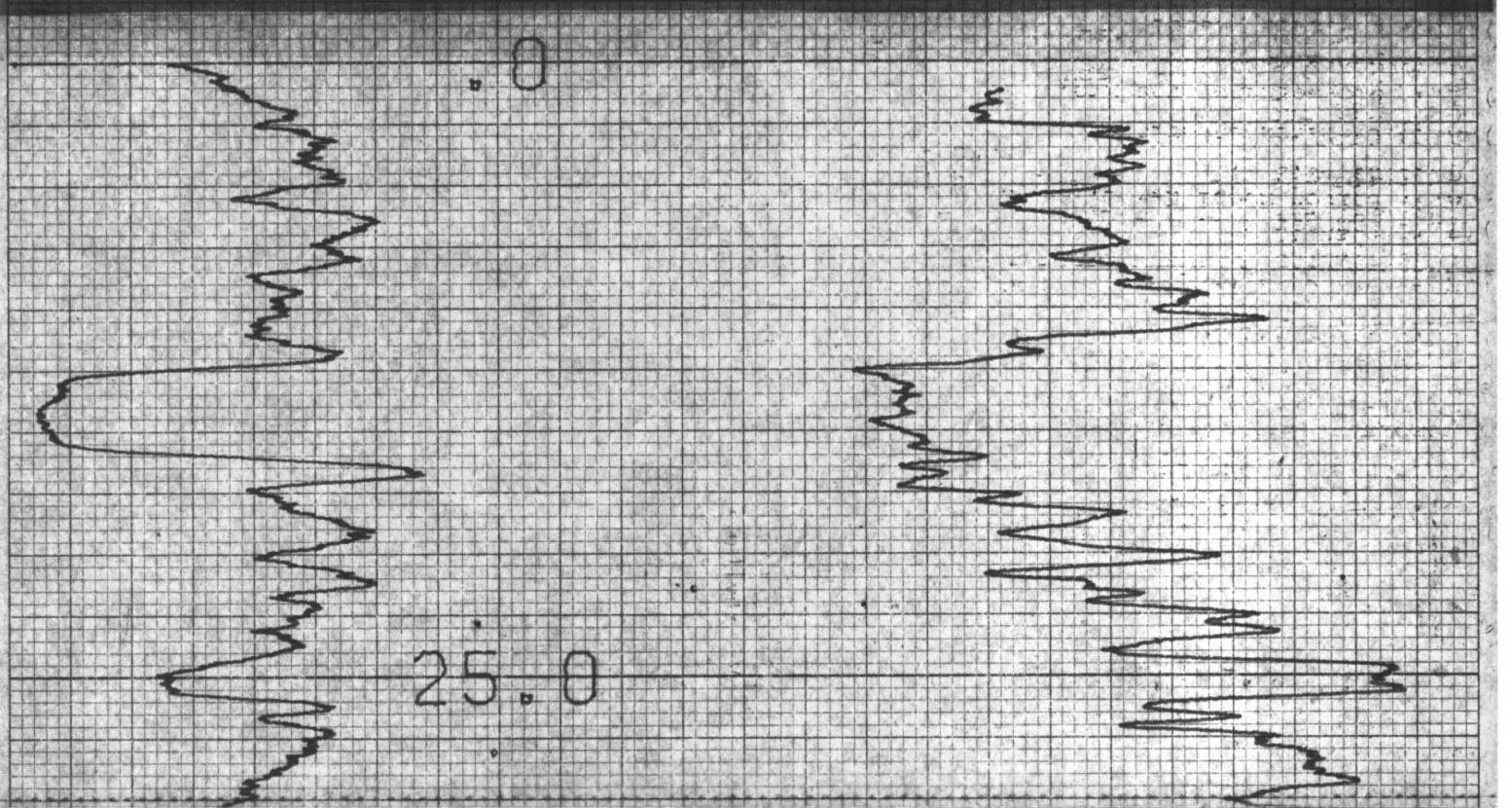
726

COORDINATES: _____
N _____
S _____
ELEVATION: _____
D.F. _____
K.B. _____
G.L. _____

COMPANY FORDING COAL LTD.
WELL RH - 2119
LOCATION S. GREENHILLS

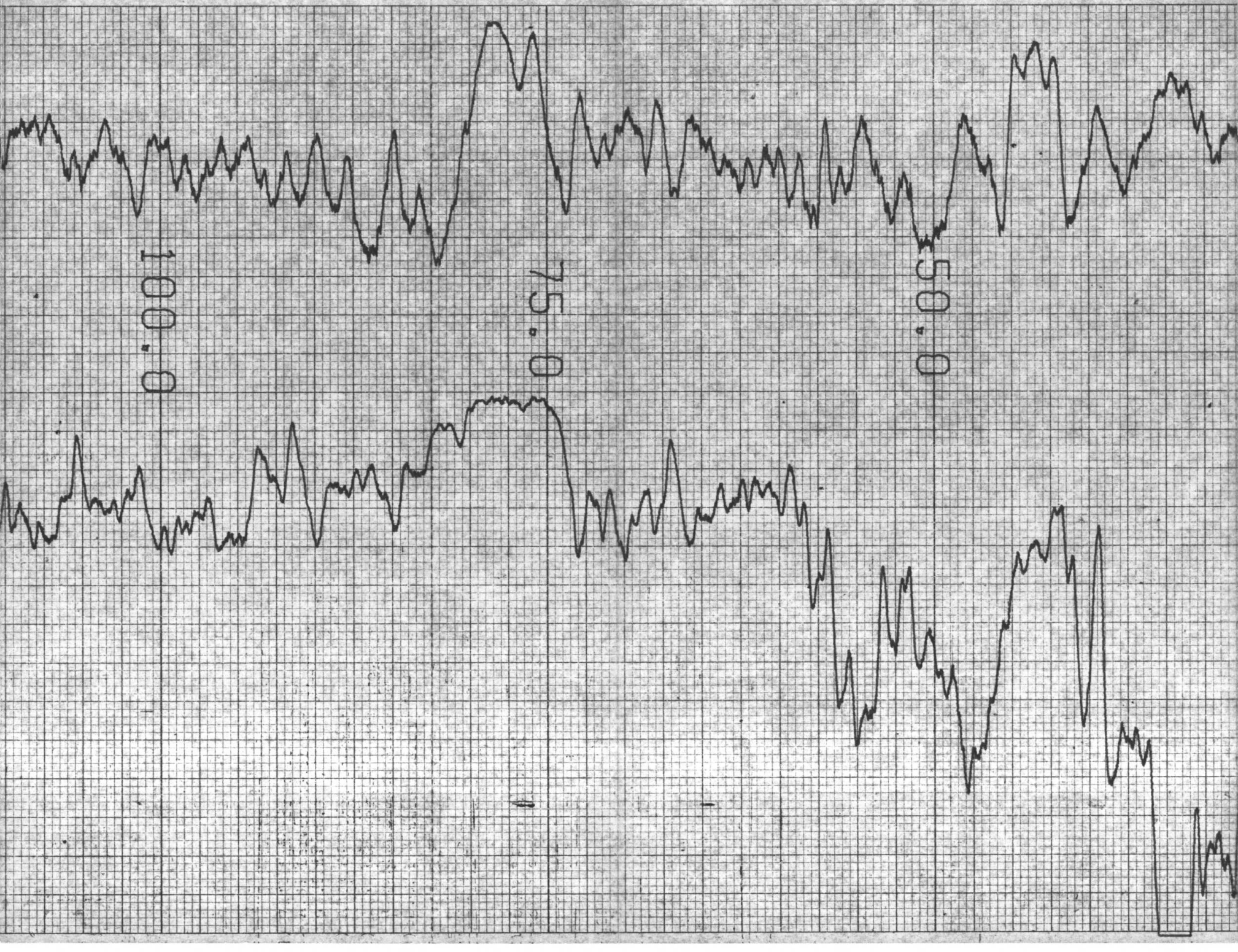
	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date 86/07/12			Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp.		
Casing Size			B.H. Temp.		
Bit Size:					
Bit Size:					
			Logged by	GARRY LUCAS	
			Witnessed by		

REMARKS _____

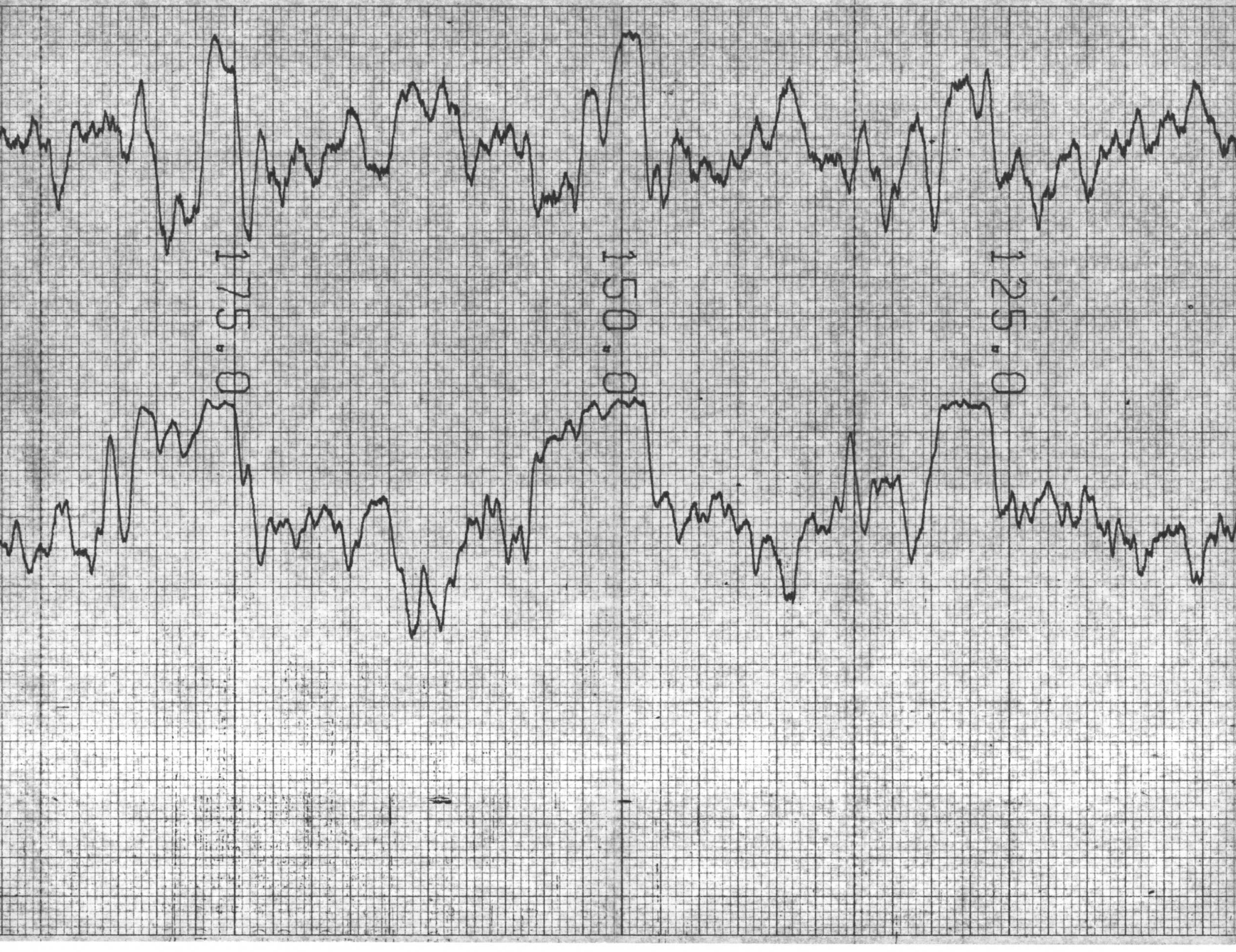


CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

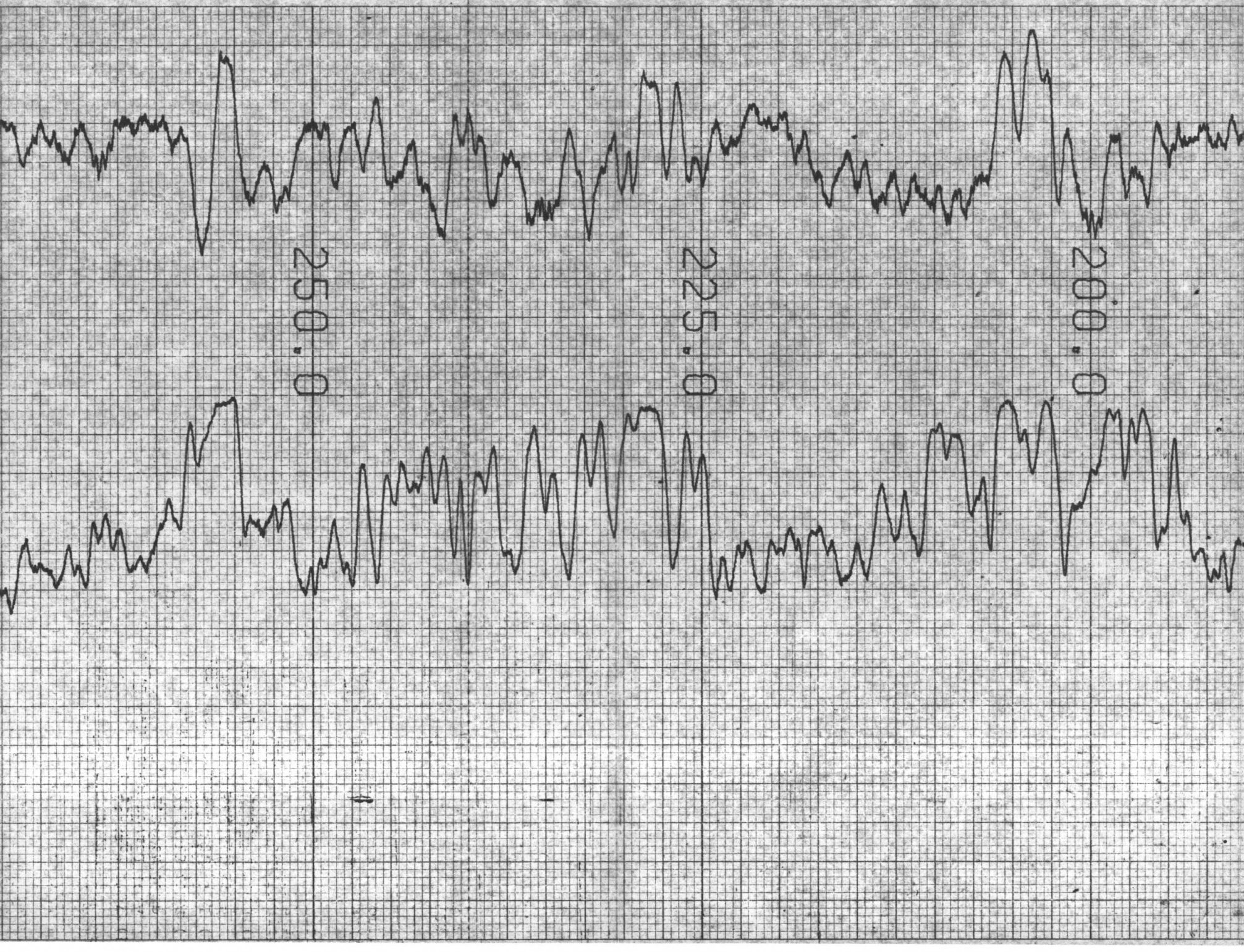


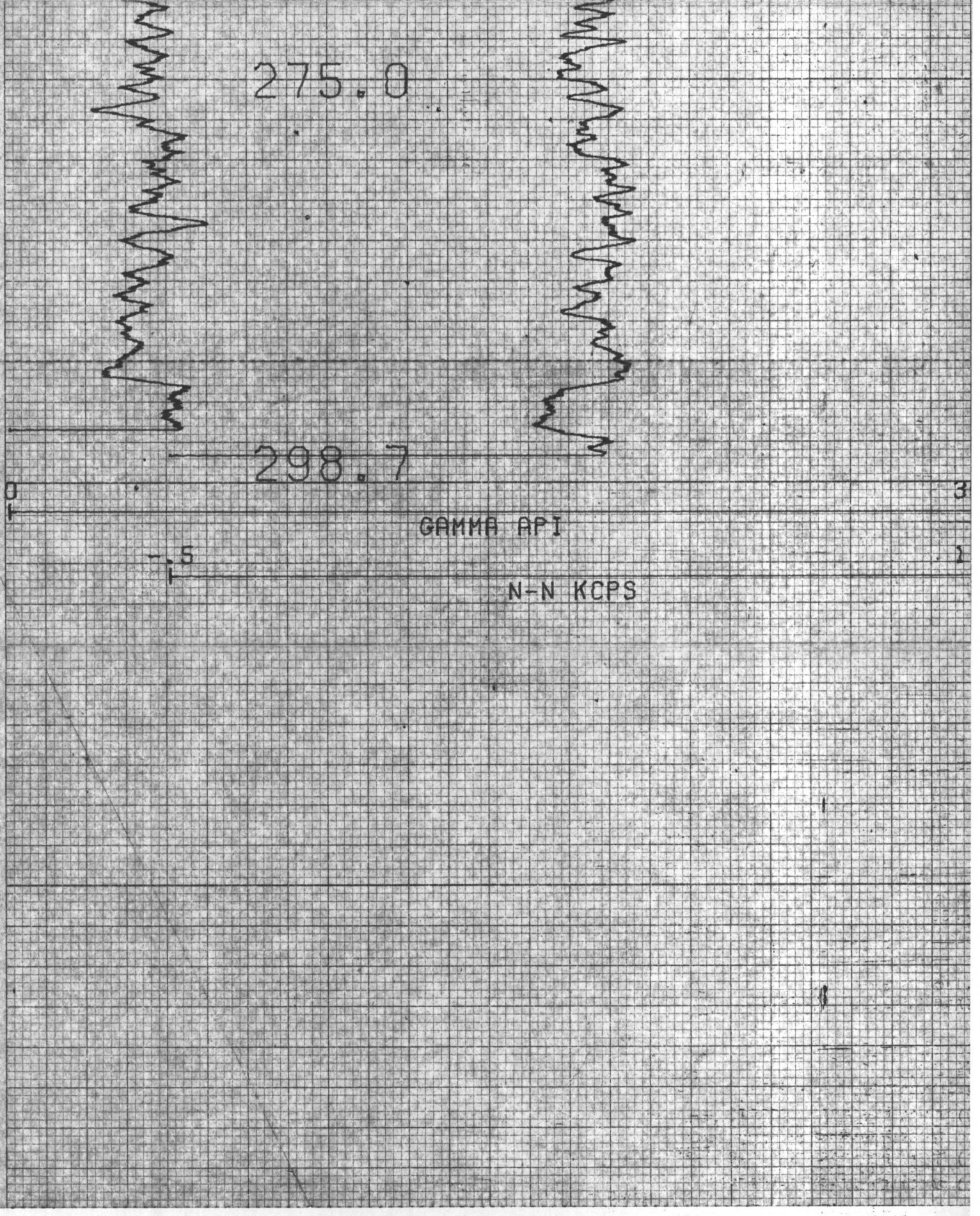
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040



CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

310





CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

Fording
COAL LIMITED
COMPU-LOG

WELL LOG

COMPANY Fording Coal Ltd
AREA S.E. Crowsnest
WELL RH-2121
COUNTY
STATE

726

COORDINATES
X
Y
ELEVATION
D.F.
K.B.
G.L.

	Run No. 1	Run No. 2	Run No. 3
Date	76/03/10		
First Reading			
Last Reading	11 11 11		
Footage Logged			
Bottom (Driller)			
Casing (Prev. Log)			
Casing (Driller)			
Casing Size			
Bit Size			
Bit Size			

MUD	Run No. 1	Run No. 2
Mixture		
Density		
Viscosity	@ °F	@ °F
Resistivity	@ °F	@ °F
Res. @ BHT	@ °F	@ °F
pH		
Circ. Temp.		
M.R. Temp.		

Logged by
Witnessed by Dave Blandford

REMARKS

1 Reg. U.S. Pat. Off.

0
25.0
50.0
75.0
100.0
125.0
150.0
175.0
200.0
225.0
250.0
275.0
288.2

20 KUPC

0
GAMMA API
15
N-N KCPS

CENTURY GEOPHYSICAL CORP. PART NO. 766-0040

Fording COAL LIMITED

WELL LOG

COMPANY F.C.L.
WELL RH-2123
LOCATION S. Greenhills

COMPANY Fording Coal Ltd.
AREA S. Greenhills
WELL RH-2123
COUNTY _____ STATE _____

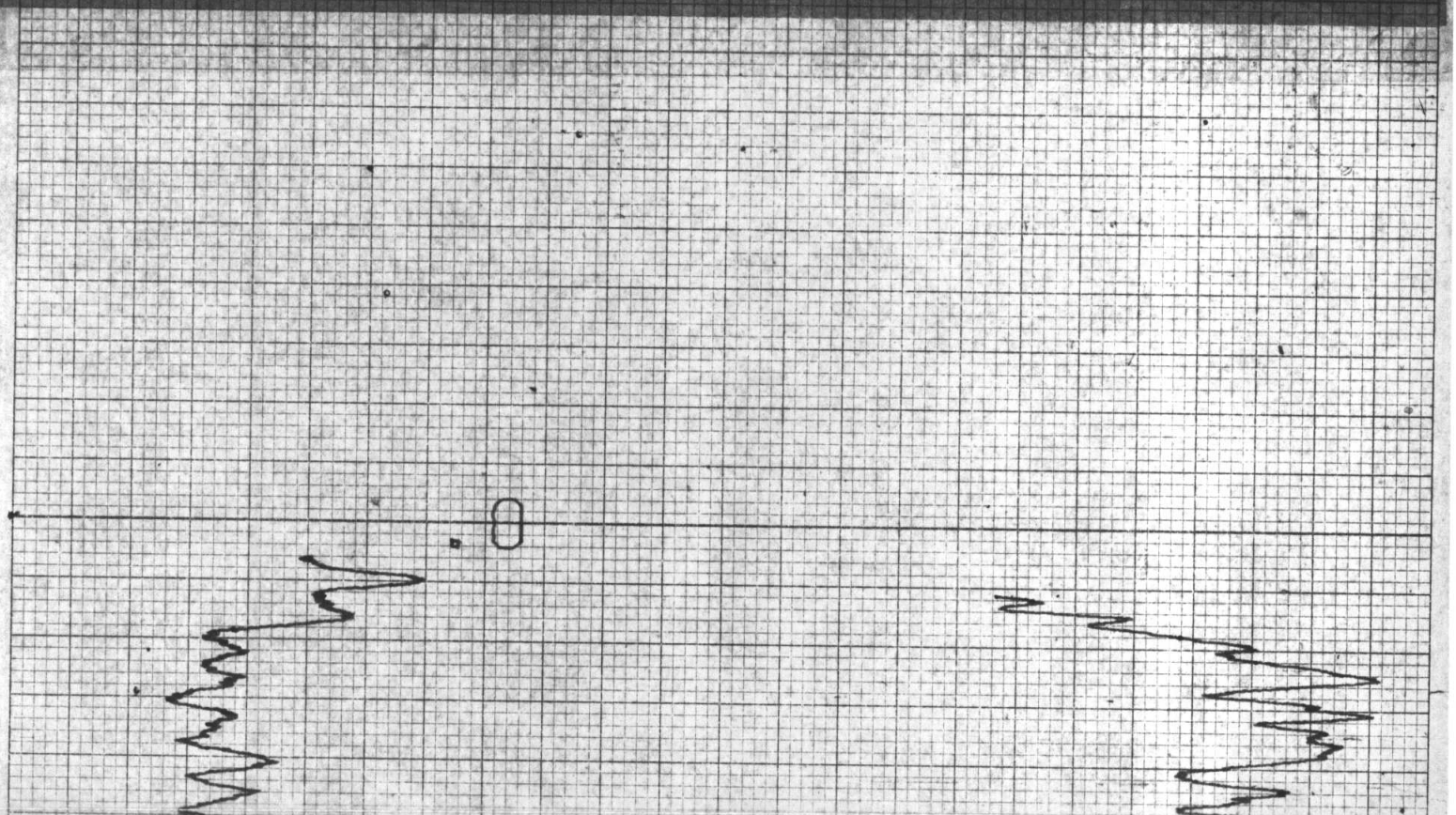
726

COORDINATES:
N _____
S _____
ELEVATION:
D.F. _____
K.B. _____
G.L. _____

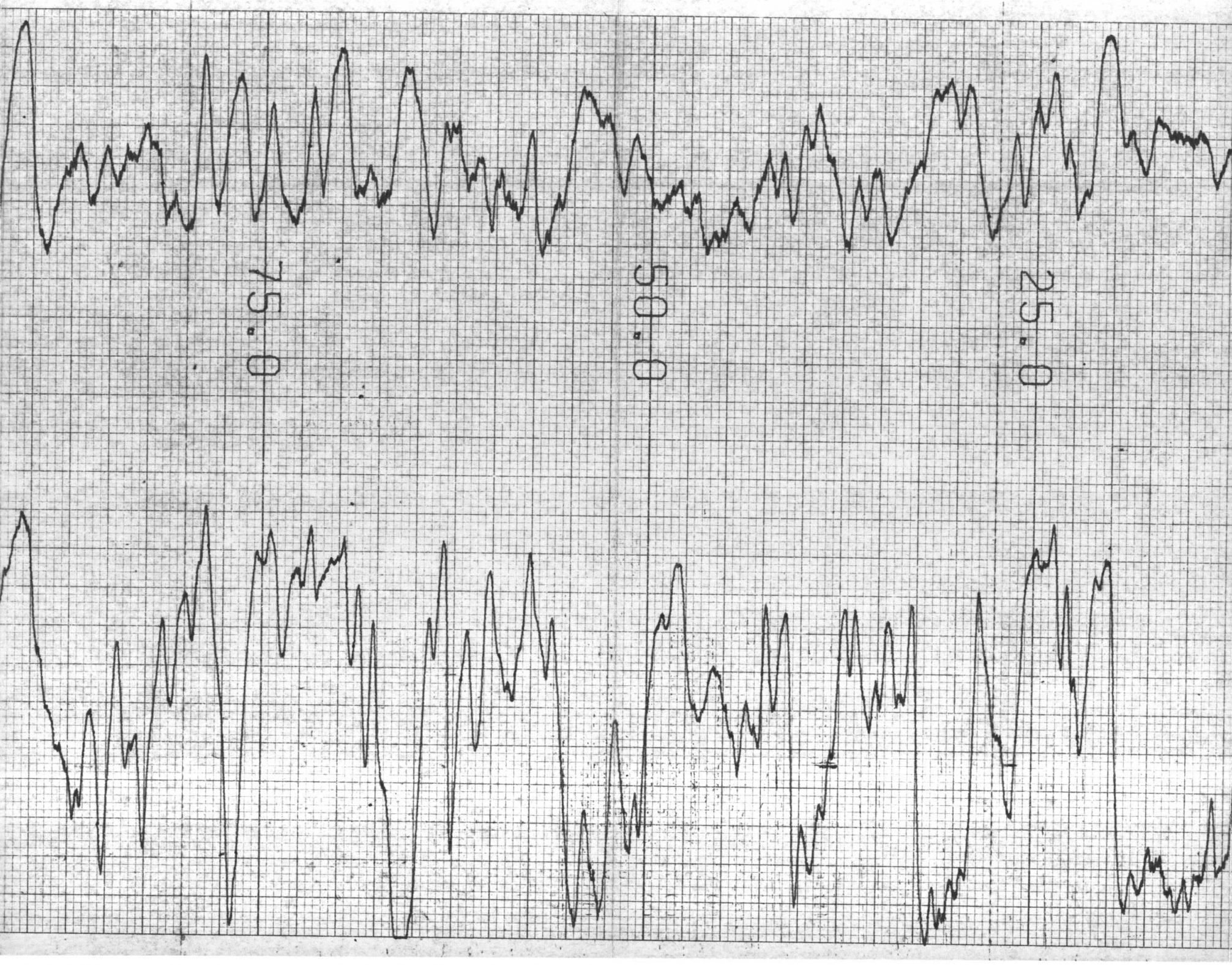
	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date	86/07/14		Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp.		
Casing Size			B.H. Temp.		
Bit Size					
Bit Size					
			Logged by	Les Yarwood	
			Witnessed by		

REMARKS _____

* Reg. U.S. Pat. Off.

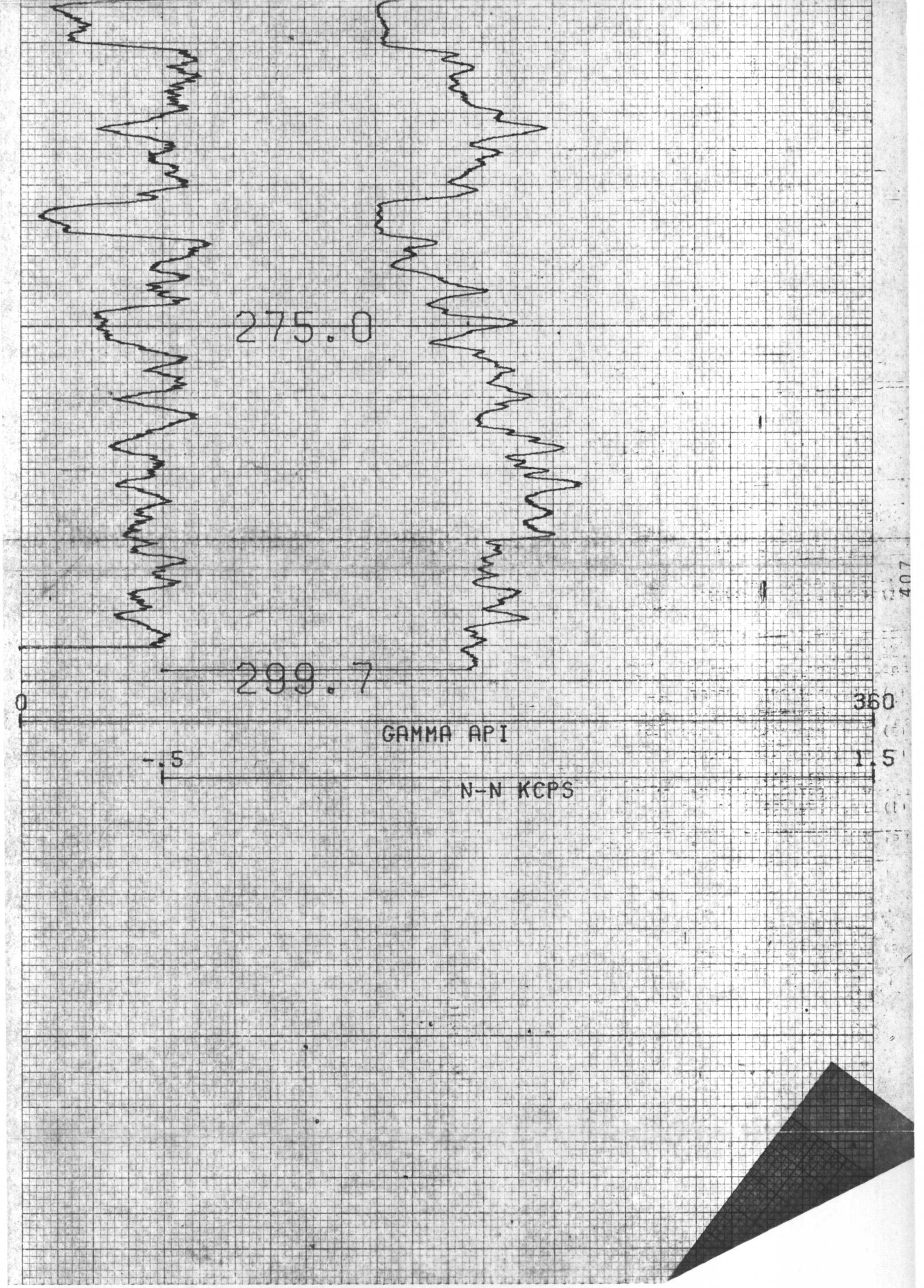


CENTURY GEOPHYSICAL CORP. PART NO. 78


0.15
0.05
0.25

100.0
125.0
150.0

175.0
200.0
225.0
250.0


275.0
299.7
0
360
GAMMA API
-.5
1.5
N-N KCPS

Fording COAL LIMITED

WELL LOG

COMPANY F.C.L.
WELL RH-2125
LOCATION S. Greenhills

COMPANY Fording Coal Ltd.
AREA S. Greenhills
WELL RH-2125
COUNTY STATE

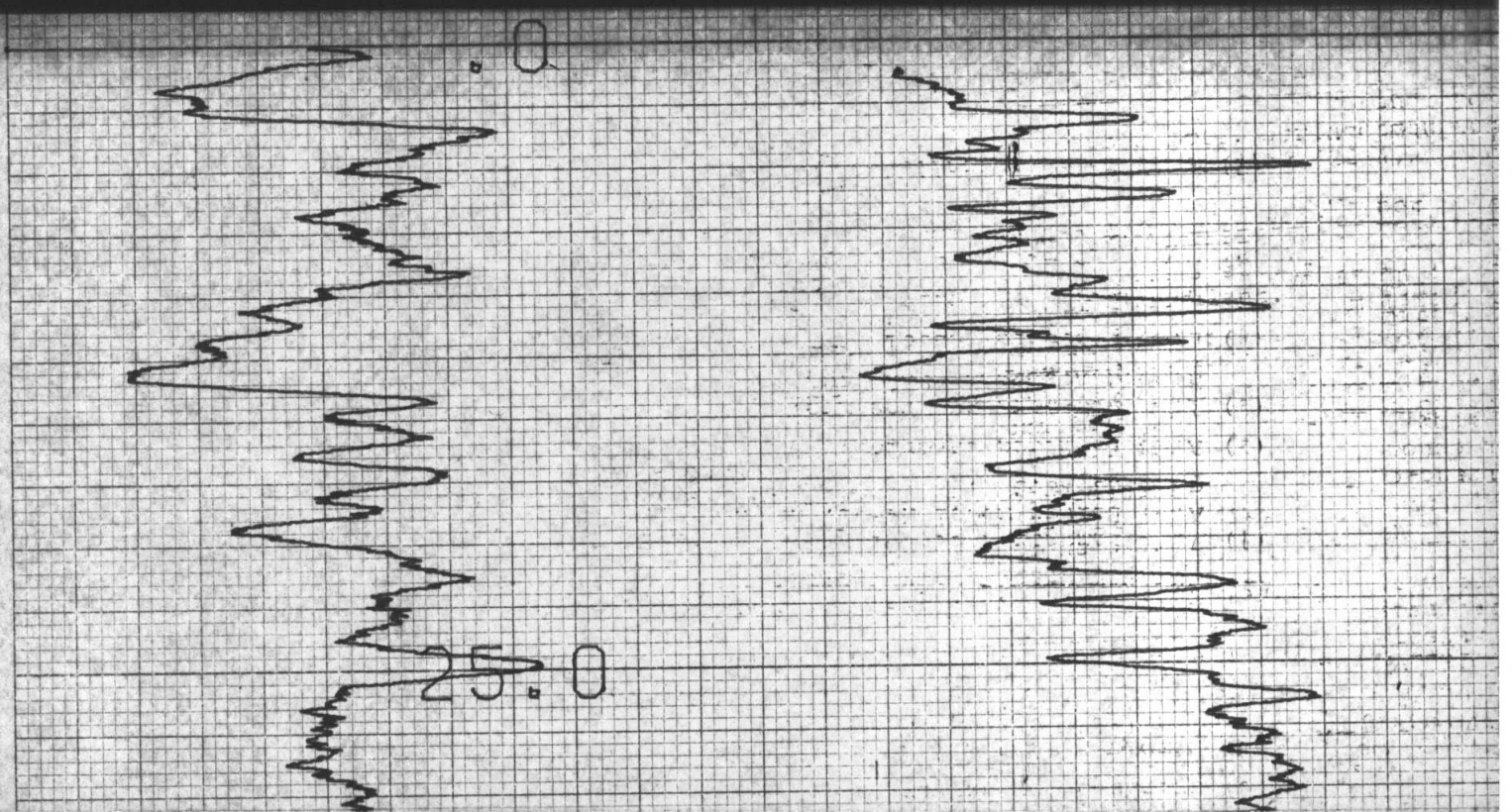
726

COORDINATES:
N
S
ELEVATION:
D.F.
K.B.
G.L.

	Run No. 1	Run No. 2	MUD	Run No. 1	Run No. 2
Date	86/07/08.		Nature		
First Reading			Density		
Last Reading			Viscosity	@ °F	@ °F
Footage Logged			Resistivity	@ °F	@ °F
Bottom (Driller)			Res. @ BHT	@ °F	@ °F
Casing (From Log)			pH		
Casing (Driller)			Circ. Temp.		
Casing Size			B.H. Temp.		
Bit Size					
Bit Size					
			Logged by	Garry Lucas	
			Witnessed by		

REMARKS

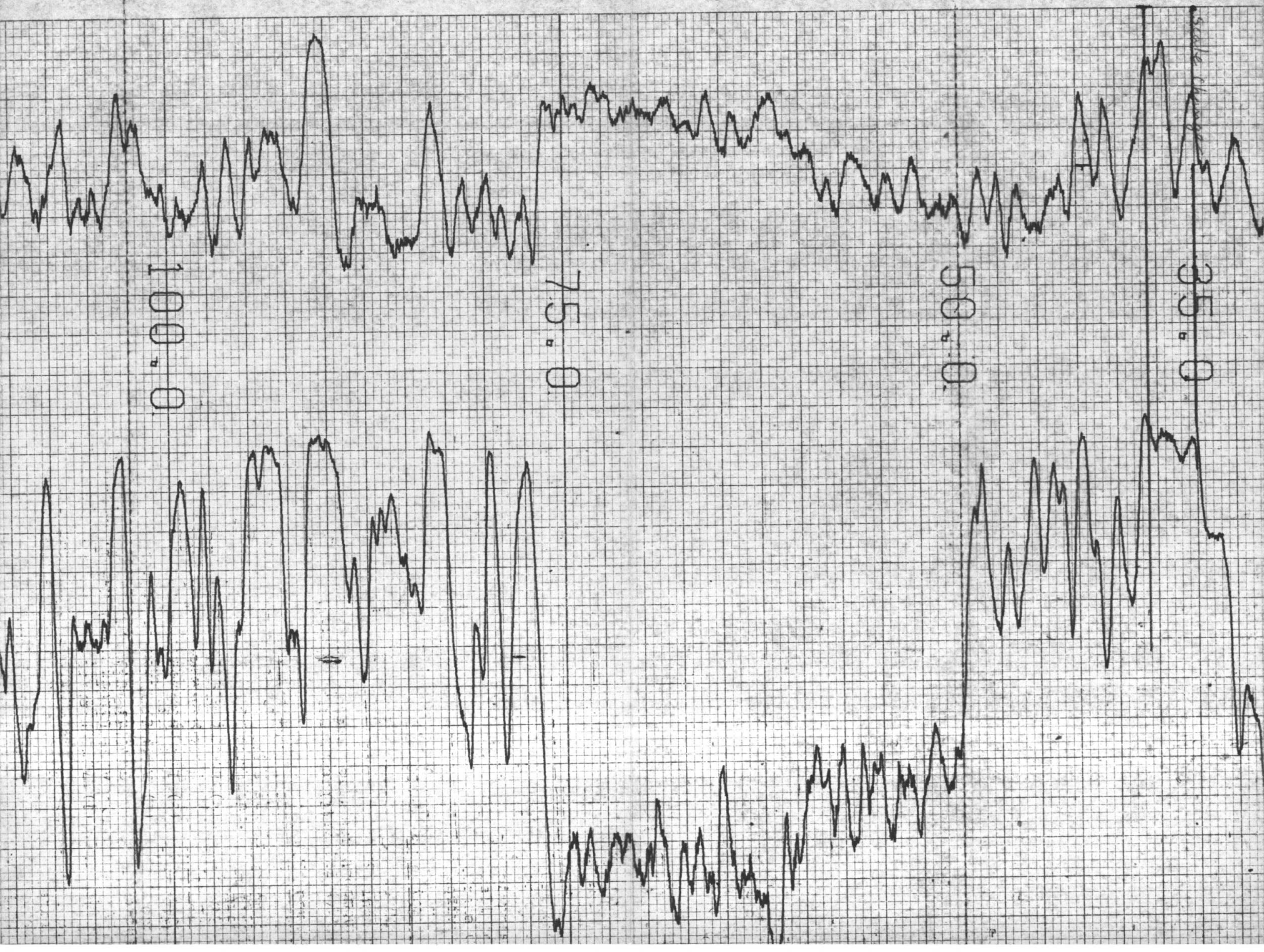
Reg. U.S. Pat. Off.



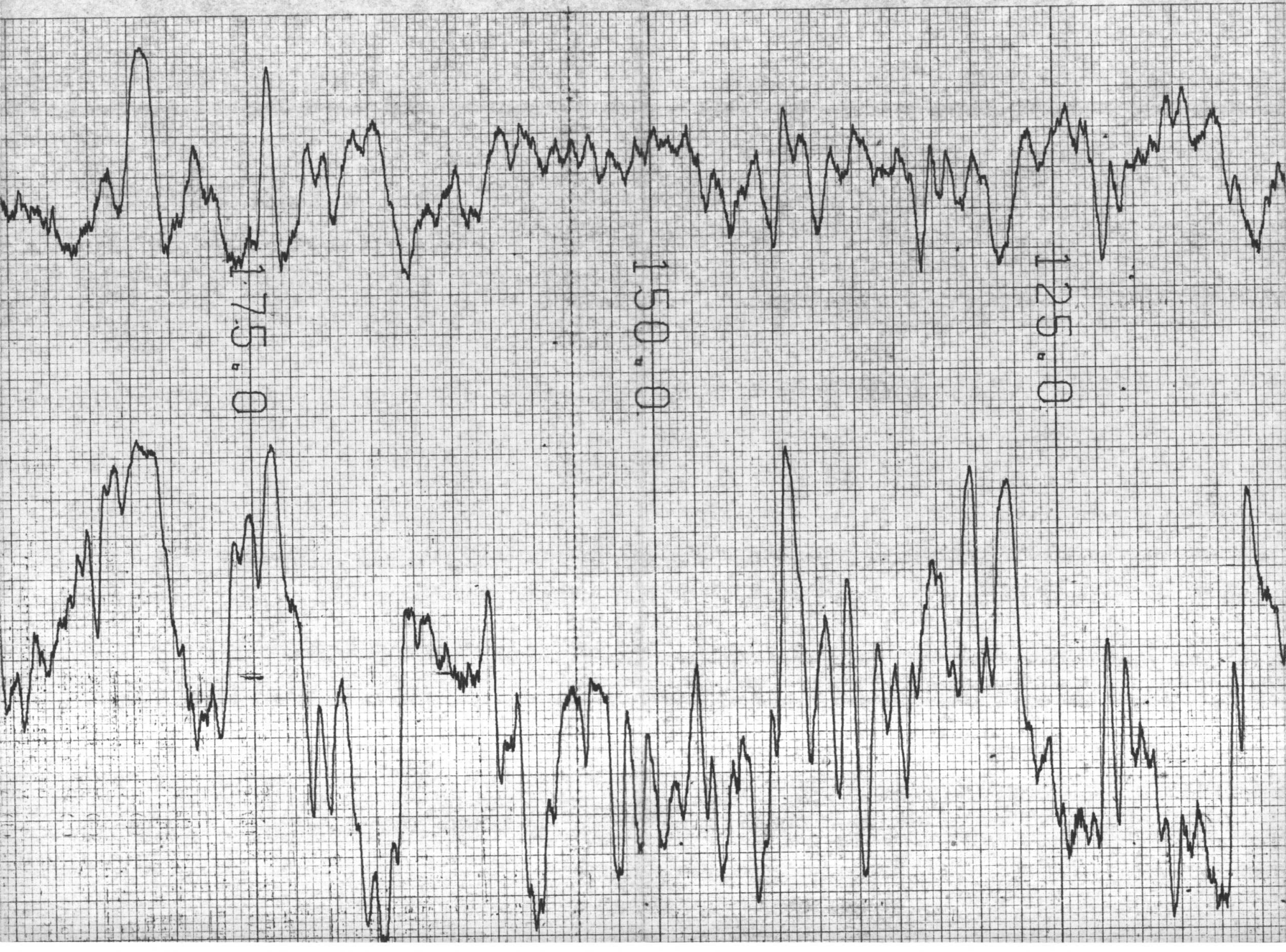
CENTURY

CENTURY GEOPHYSICAL CORP. .PART NO. 786-0040

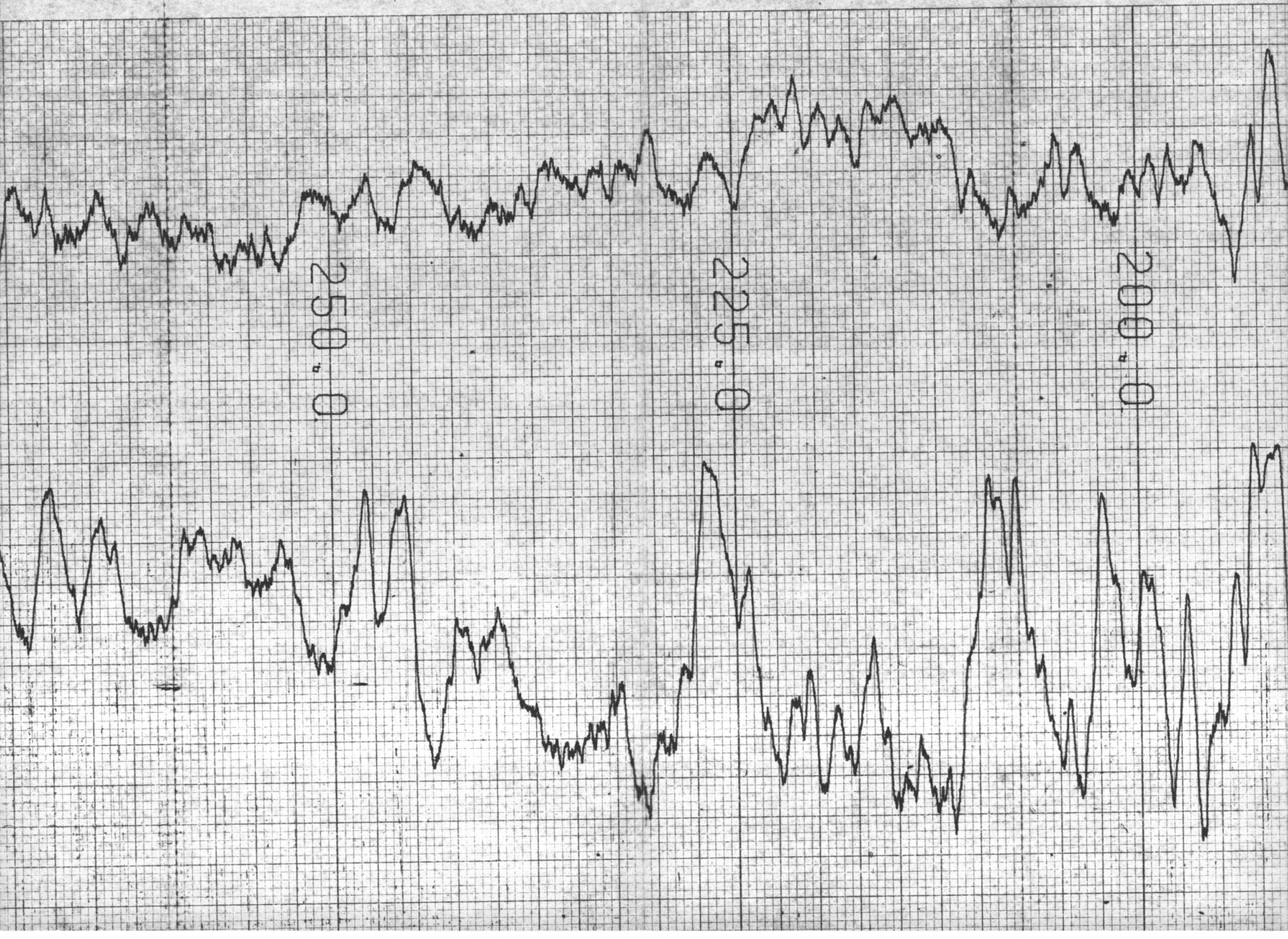
310



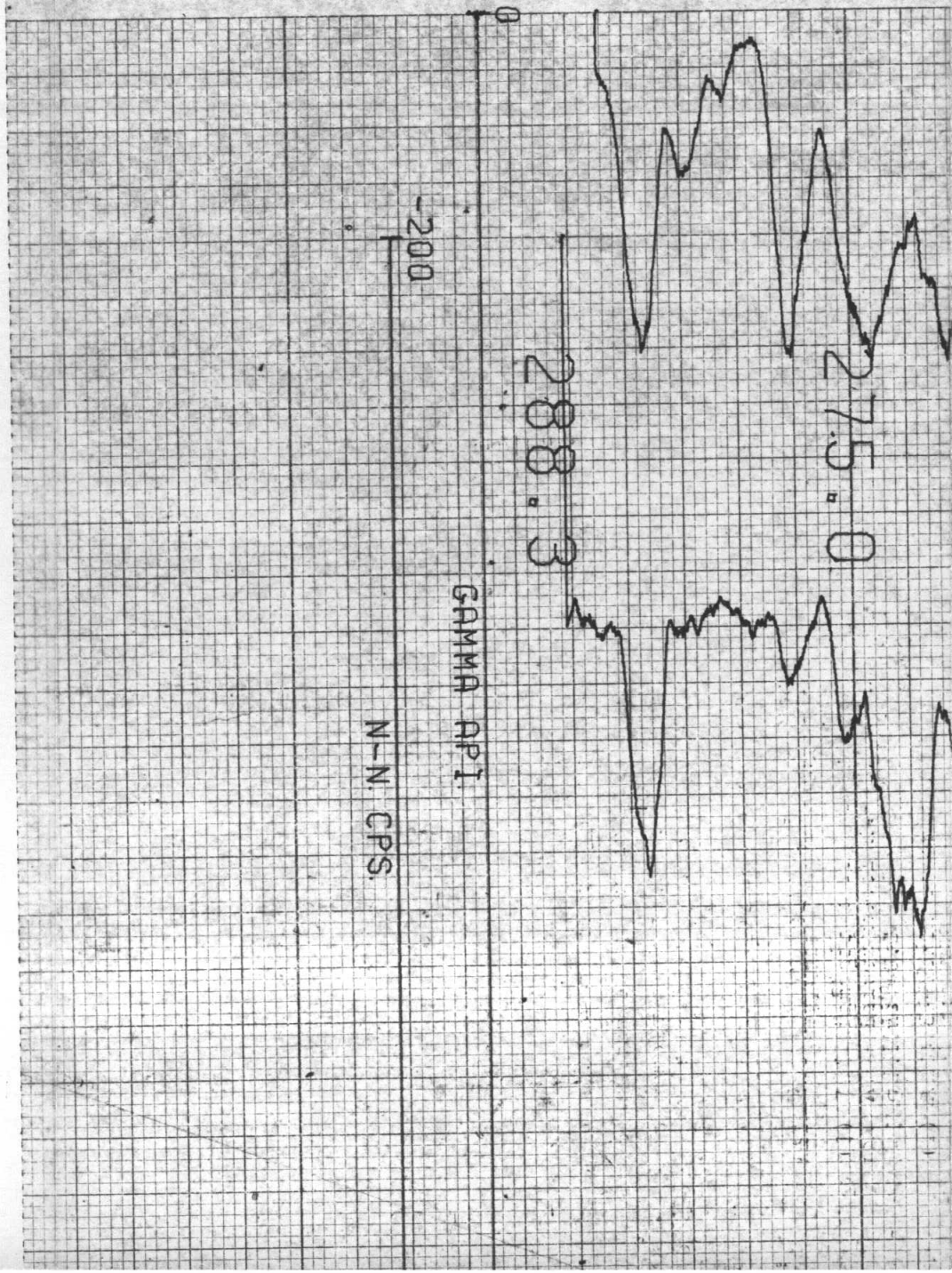
CENTURY GEOPHYSICAL CORP. PART NO. 786-0040



CENTURY GEOPHYSICAL CORP. PART NO. 786-0040



CENTURY GEOPHYSICAL CORP. PART NO. 786-0040



Fording COAL LIMITED
COMPU-LOG

WELL LOG

COMPANY Fording Coal Ltd
AREA S. Greenhills
WELL AR-2126
COUNTY STATE

726

COORDINATES
N
E
ELEVATION
D.F.
K.B.
G.L.

SEC TWP RGE

COMPANY F.C.L.
WELL AR-2126
FIELD S. GREENHILLS

	Run No. 1	Run No. 2
Date	86/03/13	
First Reading		
Last Reading		
Footage Logged		
Bottom (Driller)		
Casing (From Log)		
Casing (Driller)		
Casing Size		
Bit Size		
Bit Size		

MUD	Run No. 1	Run No. 2
Nature		
Density		
Viscosity		
Resistivity		
Res. @ Bht		
pH		
Circ Temp		
B.H. Temp		

Logged by DAVE D'ANDREA
Witnessed by

REMARKS

CENTURY GEOPHYSICAL CORP. PART NO. 786-0040

.0
25.0
50.0
75.0
100.0
125.0
150.0
175.0
200.0
225.0
250.0
275.0
286.0

0 GAMMA API 3
.5 N-N KCPS 1

Fording COAL LIMITED

WELL LOG

COMPANY: F. C. L
WELL: R.H.-2127
LOCATION: S. Greenhills

COMPANY: Fording Coa Ltd.
AREA: S. Greenhills
WELL: RH-2127
COUNTY: STATE:

726

COORDINATES:
N
S
ELEVATION:
D.F.
K.B.
G.L.

	Run No. 1	Run No. 2
Date	86/07/16	
First Reading		
Last Reading		
Footage Logged		
Bottom (Driller)		
Casing (From Log)		
Casing (Driller)		
Casing Size		
Bit Size		
Bit Size		

MUD	Run No. 1	Run No. 2
Nature		
Density		
Viscosity	@ °F	@ °F
Resistivity	@ °F	@ °F
Res. @ BHT	@ °F	@ °F
pH		
Circ. Temp.		
B.H. Temp.		
Logged by	DAVE D'ANDREA	
Witnessed by		

REMARKS

® Reg. U.S. Pat. Off.

726

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VOLI DEVIATION

CLIENT : FORDING COAL LTD

HOLE ID : RH-2056

LOCATION : K-PIT EXT

DATE OF LOG : 06-28-86

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	-.06	.14	.15	116.1	.9	116.1
	20.00	19.99	-.13	.28	.31	116.1	.9	116.1
	30.00	29.99	-.20	.42	.47	116.1	.9	116.1
	40.00	39.99	-.26	.62	.67	112.8	1.1	105.0
	50.00	49.98	-.31	.93	.98	108.6	1.6	99.6
	60.00	59.97	-.40	1.30	1.37	107.2	2.1	103.5
	70.00	69.97	-.52	1.61	1.69	108.0	1.8	111.3
	80.00	79.96	-.69	1.78	1.91	111.2	1.3	135.0
	90.00	89.96	-.82	2.06	2.22	111.9	1.6	115.9
	100.00	99.94	-1.06	2.44	2.66	113.6	2.5	122.1
	110.00	109.92	-1.55	2.95	3.33	117.6	4.0	133.9
	120.00	119.89	-2.08	3.35	3.94	121.9	3.8	142.9
	130.00	129.87	-2.61	3.71	4.54	125.2	3.6	145.6
	140.00	139.84	-3.27	4.03	5.19	129.0	4.1	153.8
	150.00	149.82	-3.93	4.29	5.83	132.5	4.1	158.5
	160.00	159.79	-4.62	4.48	6.44	135.9	4.1	164.6
	170.00	169.76	-5.28	4.54	6.97	139.3	3.7	175.2
	180.00	179.74	-5.98	4.51	7.50	143.0	4.0	181.9
	190.00	189.71	-6.74	4.42	8.06	146.7	4.3	186.9
	200.00	199.68	-7.48	4.22	8.52	150.3	3.9	196.8
	210.00	209.66	-8.05	4.00	8.99	153.6	3.9	199.1
TD	214.28	213.85	-8.30	3.87	9.16	155.0	3.8	206.1

726

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VOLI DEVIATION

CLIENT : FORDING COAL LTD — HOLE ID : RH-2055

LOCATION : K-PIT EXT — DATE OF LOG : 06-17-86

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	.07	.06	.10	41.1	.5	41.1
	20.00	19.99	.15	.13	.20	41.1	.5	41.1
	30.00	29.99	.23	.19	.29	39.5	.5	35.6
	40.00	39.99	.17	-.14	.22	321.0	1.9	260.5
	50.00	49.98	.00	-.48	.48	270.2	2.2	243.1
	60.00	59.97	-.16	-.82	.84	259.0	2.1	244.6
	70.00	69.96	-.46	-1.13	1.22	247.7	2.4	225.2
	80.00	79.95	-.83	-1.43	1.66	239.7	2.7	218.8
	90.00	89.94	-1.22	-1.75	2.13	235.0	2.8	219.0
	100.00	99.92	-1.61	-2.03	2.59	231.6	2.7	216.0
	110.00	109.92	-1.69	-1.95	2.58	229.0	.6	135.3
	120.00	119.92	-1.78	-2.12	2.72	231.2	1.0	264.7
	130.00	129.91	-2.03	-2.42	3.16	230.1	2.5	223.0
	140.00	139.90	-2.40	-2.57	3.51	227.0	2.2	201.2
	150.00	149.90	-2.57	-2.51	3.60	224.3	1.0	163.1
	160.00	159.89	-2.53	-2.49	3.55	224.5	.2	29.9
	170.00	169.89	-2.37	-2.60	3.52	227.7	1.1	324.8
	180.00	179.88	-2.21	-2.93	3.67	233.0	2.0	295.6
	190.00	189.88	-2.12	-3.30	3.92	237.2	2.1	284.1
	200.00	199.87	-2.24	-3.49	4.15	237.2	1.3	237.1
	210.00	209.87	-2.36	-3.42	4.10	236.5	.4	102.8
	220.00	219.86	-1.96	-3.46	3.98	240.4	1.7	352.6
TD	230.90	229.85	-1.51	-3.59	3.93	246.4	1.6	340.4
	239.70	239.85	-1.51	-3.71	3.94	250.5	1.6	336.4

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG V8L1 DEVIATION

CLIENT : FORDING COAL LTD.

HOLE ID : RH-2054

LOCATION : K-PIT EXTENSIO

DATE OF LOG : 07-01-86

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	SR	SRB
	.00	.00	.00	.00	.00	.0	.0	.0
	5.00	4.99	.11	-.07	.13	325.3	1.5	325.2
	10.00	9.99	.22	-.15	.27	325.3	1.5	325.2
	15.00	14.99	.34	-.23	.41	325.3	1.5	325.2
	20.00	19.99	.45	-.31	.55	325.3	1.5	325.2
	25.00	24.99	.56	-.40	.69	324.7	1.6	322.6
	30.00	29.98	.67	-.53	.86	321.7	1.9	309.1
	35.00	34.98	.77	-.67	1.02	319.0	1.9	305.2
	40.00	39.98	.85	-.82	1.18	315.8	1.9	296.3
	45.00	44.97	.88	-.99	1.33	311.6	1.9	280.7
	50.00	49.97	.89	-1.16	1.47	307.6	1.9	275.0
	55.00	54.97	.89	-1.34	1.61	303.7	2.0	269.6
	60.00	59.96	.87	-1.52	1.75	299.7	2.0	261.7
	65.00	64.96	.79	-1.67	1.85	295.3	1.9	242.2
	70.00	69.96	.70	-1.75	1.89	291.9	1.3	222.1
	75.00	74.96	.72	-1.72	1.86	292.8	.4	60.4
	80.00	79.96	.74	-1.66	1.82	294.1	.6	68.0
	85.00	84.96	.76	-1.62	1.79	295.2	.4	64.6
	90.00	89.96	.78	-1.57	1.76	296.5	.6	65.4
TD	93.50	93.26	.80	-1.55	1.77	297.3	.7	15.6

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VDLI DEVIATION

CLIENT : FORDING COAL LTD

HOLE ID : GH-2853

LOCATION : K-PIT EXT

DATE OF LOG : 07-03-06

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	SA	SAB
.00	.00	.00	.00	.00	.0	.0	.0
10.00	9.99	-.14	.33	.36	112.8	2.1	112.7
20.00	19.99	-.30	.67	.73	112.8	2.1	112.7
30.00	29.97	-.56	.93	1.09	121.3	2.2	137.7
40.00	39.97	-.90	1.07	1.41	130.1	2.1	157.1
50.00	49.96	-1.25	1.19	1.73	136.5	2.0	162.0
60.00	59.95	-1.59	1.31	2.06	140.6	2.0	160.6
70.00	69.95	-1.93	1.40	2.39	144.1	2.0	164.6
80.00	79.94	-2.26	1.49	2.70	146.6	1.9	165.0
90.00	89.93	-2.60	1.54	3.00	149.1	1.8	170.5
100.00	99.93	-2.91	1.59	3.19	151.8	1.3	189.0
110.00	109.93	-2.98	1.43	3.31	154.4	1.1	203.2
120.00	119.92	-3.34	1.40	3.55	155.9	1.4	174.7
130.00	129.92	-3.55	1.56	3.89	156.3	1.9	161.4
140.00	139.91	-3.86	1.65	4.20	156.8	1.7	162.0
150.00	149.90	-4.14	1.72	4.52	156.6	1.8	154.5
160.00	159.90	-4.47	1.82	4.83	156.5	1.8	155.6
170.00	169.89	-4.71	1.94	5.12	156.5	1.8	160.3
180.00	179.89	-4.99	2.10	5.41	157.2	1.8	164.2
190.00	189.88	-5.24	2.23	5.70	156.9	1.8	152.2
200.00	199.88	-5.52	2.38	6.01	156.6	1.7	151.1
210.00	209.87	-5.79	2.53	6.31	156.4	1.7	151.9
220.00	219.87	-6.07	2.68	6.64	156.2	1.8	151.6
230.00	229.86	-6.34	2.79	6.93	156.2	1.6	157.9
232.79	232.75	-6.42	2.83	7.02	156.2	1.7	152.6

CENTURY GEOPHYSICAL CORPORATION

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

COMPU LOG VOLI DEVIATION

CLIENT : FORDING COAL LTD. HOLE ID : RH-292

LOCATION : TURNBULL DATE OF LOG : 07-07-86

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	.14	.06	.16	25.2	.9	25.1
	20.00	19.99	.29	.14	.32	26.1	.9	26.9
	30.00	29.99	.42	.30	.52	35.5	1.1	50.4
	40.00	39.98	.37	.74	.83	63.2	2.5	96.5
	50.00	49.97	.00	1.62	1.63	85.1	2.3	135.1
	60.00	59.96	-.27	1.19	1.22	102.8	2.2	154.9
	70.00	69.95	-.63	1.31	1.45	116.8	2.2	162.4
	80.00	79.95	-1.00	1.42	1.74	125.2	2.1	162.9
	90.00	89.94	-1.32	1.69	2.15	127.9	2.3	139.8
	100.00	99.92	-1.47	2.13	2.59	124.6	2.6	109.2
	110.00	109.91	-1.51	2.50	2.99	120.4	2.5	95.6
	120.00	119.90	-1.72	2.90	3.37	120.6	2.1	123.3
	130.00	129.89	-2.10	3.12	3.76	123.9	2.5	148.8
	140.00	139.88	-2.51	3.30	4.15	127.2	2.5	155.9
	150.00	149.87	-2.93	3.44	4.52	130.4	2.5	162.8
	160.00	159.86	-3.30	3.55	4.90	133.5	2.6	165.9
	170.00	169.85	-3.63	3.64	5.29	136.5	2.6	168.9
	180.00	179.84	-4.20	3.69	5.65	139.3	2.5	174.8
	190.00	189.83	-4.74	3.67	5.99	142.2	2.6	181.8
	200.00	199.82	-5.20	3.63	6.34	145.1	2.6	185.2
	210.00	209.80	-5.71	3.55	6.73	148.1	2.9	188.7
	220.00	219.79	-6.27	3.42	7.14	151.4	3.2	193.0
	230.00	229.76	-6.89	3.16	7.58	155.4	3.8	202.9
	240.00	239.73	-7.57	2.81	8.08	159.6	4.3	206.8
	250.00	249.70	-8.27	2.41	8.61	163.7	4.5	209.7
	260.00	259.67	-8.96	2.00	9.20	166.9	4.4	205.8
	270.00	269.64	-9.63	1.98	9.82	168.8	3.9	195.2
TD	274.00	274.53	-10.01	1.88	10.19	169.3	4.4	181.9

726

CENTURY GEOPHYSICAL CORPORATION

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

CONFU LOG VOLI DEVIATION

CLIENT : FORDING COAL LTD. HOLE ID : RH-291

LOCATION : TURNBULL DATE OF LOG : 07-07-86

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	-.18	-.05	.19	196.1	2.2	196.0
	10.00	9.99	-.36	-.10	.38	196.1	2.2	196.0
	15.00	14.98	-.55	-.15	.57	196.1	2.2	196.0
	20.00	19.98	-.73	-.21	.76	196.1	2.2	196.0
	25.00	24.90	-.89	-.32	.95	199.9	2.2	215.2
	30.00	29.97	-1.03	-.46	1.13	204.2	2.2	225.9
	35.00	34.97	-1.11	-.62	1.27	209.2	2.0	243.4
	40.00	39.97	-1.14	-.78	1.38	214.4	1.9	258.5
	45.00	44.96	-1.17	-.93	1.50	218.4	1.7	257.6
	50.00	49.96	-1.17	-1.05	1.58	222.0	1.4	270.1
	55.00	54.96	-1.10	-1.11	1.56	225.1	.9	321.4
	60.00	59.96	-1.03	-1.08	1.49	226.6	.9	15.6
	65.00	64.96	-.99	-1.08	1.41	225.4	1.0	65.3
	70.00	69.96	-.97	-.88	1.31	222.2	1.3	81.8
	75.00	74.95	-.96	-.74	1.22	217.6	1.5	87.2
	80.00	79.95	-.91	-.76	1.19	219.9	.6	337.6
	85.00	84.95	-.87	-.88	1.18	222.5	.6	318.8
	90.00	89.95	-.83	-.81	1.16	224.4	.5	347.2
	95.00	94.95	-.79	-.82	1.13	226.5	.3	346.3
	100.00	99.95	-.75	-.83	1.12	228.0	.3	333.0
	105.00	104.95	-.71	-.76	1.04	226.7	.9	64.7
	110.00	109.95	-.60	-.68	.92	228.7	1.8	83.8
	115.00	114.94	-.66	-.42	.79	212.7	2.0	79.5
	120.00	119.94	-.67	-.27	.72	202.6	1.7	91.2
	125.00	124.94	-.64	-.18	.65	189.5	1.9	81.8
TD	129.18	129.84	-.64	-.08	.64	180.5	1.4	88.8

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VGL1 DEVIATION

CLIENT : FODING COAL LTD.

HOLE ID : R.H.1471

LOCATION : ALDRIDGE CREEK

DATE OF LOG : 07-29-86

DATA FROM : VGL2

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	9.93	-.13	-1.11	1.11	263.3	6.4	263.2
20.00	19.87	-.26	-2.22	2.23	263.3	6.4	263.2
30.00	29.81	-.39	-3.33	3.35	263.3	6.4	263.2
40.00	39.74	-.58	-4.43	4.47	262.5	6.4	260.3
50.00	49.68	-.74	-5.53	5.58	262.4	6.3	261.9
60.00	59.62	-.95	-6.61	6.68	261.8	6.3	258.4
70.00	69.56	-1.14	-7.66	7.74	261.5	6.1	259.9
80.00	79.50	-1.19	-8.69	8.77	262.2	5.8	267.7
90.00	89.45	-1.34	-9.66	9.75	262.1	5.6	260.0
100.00	99.48	-1.02	-10.58	10.70	261.3	5.5	252.8
110.00	109.36	-1.83	-11.47	11.63	260.6	5.3	253.2
120.00	119.31	-2.12	-12.39	12.56	260.3	5.3	255.6
130.00	129.27	-2.42	-13.25	13.47	259.6	5.2	250.9
140.00	139.23	-2.79	-14.05	14.32	258.8	5.0	245.3
150.00	149.19	-3.00	-14.80	15.12	258.2	4.6	248.4
160.00	159.16	-3.41	-15.53	15.90	257.6	4.6	246.3
170.00	169.12	-3.76	-16.25	16.60	257.0	4.5	243.9
180.00	179.09	-4.21	-16.93	17.45	256.0	4.6	236.3
190.00	189.06	-4.50	-17.61	18.20	255.4	4.4	241.5
200.00	199.02	-4.87	-18.35	18.99	255.1	4.5	248.6
210.00	209.01	-4.94	-18.98	19.54	255.4	3.1	263.1
TD 210.73	210.29	-5.12	-19.35	20.02	255.2	2.9	248.2

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VDLI DEVIATION

CLIENT : FORDING COAL LTD. HOLE ID : R.H. 1470

LOCATION : ALDRIDGE CREEK DATE OF LOG : 07-29-86

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	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.99	.10	-.23	.31	290.6	1.7	290.0
	20.00	19.99	.17	-.49	.72	289.8	1.2	289.3
	30.00	29.98	.29	-.71	.77	291.7	1.4	295.9
	40.00	39.98	.41	-.89	.98	294.7	1.2	305.4
	50.00	49.98	.56	-1.11	1.24	296.7	1.5	304.1
	60.00	59.97	.71	-1.32	1.50	298.5	1.4	307.8
	70.00	69.97	.86	-1.51	1.74	299.6	1.4	307.6
	80.00	79.97	1.03	-1.72	2.00	301.1	1.5	309.6
	90.00	89.96	1.19	-1.89	2.23	302.3	1.3	313.2
	100.00	99.96	1.32	-1.96	2.31	302.1	.4	294.6
	110.00	109.96	1.14	-1.88	2.20	301.3	.6	137.6
	120.00	119.95	1.00	-1.64	1.97	303.3	1.3	104.2
	130.00	129.95	1.06	-1.31	1.69	308.9	1.8	93.5
	140.00	139.94	.99	-1.02	1.42	314.1	1.7	103.7
	150.00	149.94	.80	-.79	1.13	315.1	1.6	130.4
	160.00	159.93	.61	-.55	.83	317.8	1.7	127.5
	170.00	169.93	.44	-.34	.56	322.1	1.5	128.4
	180.00	179.92	.24	-.11	.26	335.7	1.8	130.5
TD	181.36	181.22	.22	-.06	.23	343.6	2.1	120.1

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

COMPUTED VOLI DEVIATION

CLIENT : FORDING COAL LTD.
LOCATION : ALDRIDGE CREEK
DATA FROM : VOL2

HOLE ID : R.H. 1469
DATE OF LOG : 07-29-86
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
10.00	9.99	-.08	-.27	.28	252.8	1.6	252.8
20.00	19.99	-.16	-.54	.56	252.8	1.6	252.8
30.00	29.99	-.25	-.81	.84	252.8	1.6	252.8
40.00	39.98	-.33	-1.08	1.13	252.8	1.6	252.8
50.00	49.98	-.40	-1.37	1.36	249.2	1.4	232.1
60.00	59.97	-.75	-1.26	1.47	238.9	1.5	177.3
70.00	69.96	-1.06	-1.17	1.58	227.7	1.8	164.6
80.00	79.96	-1.30	-1.07	1.76	217.7	1.9	163.1
90.00	89.95	-1.65	-.98	1.92	210.8	1.5	160.4
100.00	99.94	-1.98	-.73	2.62	201.4	1.9	132.9
110.00	109.93	-2.13	-.56	2.15	187.0	3.8	118.0
120.00	119.91	-2.37	.28	2.38	173.1	3.4	112.9
130.00	129.89	-2.64	.84	2.77	162.3	3.5	116.5
140.00	139.87	-3.61	1.41	3.37	154.9	3.8	122.9
150.00	149.84	-3.45	1.50	3.38	150.2	4.1	127.4
160.00	159.81	-4.60	2.41	4.75	149.4	4.4	145.0
170.00	169.76	-4.52	2.88	5.79	149.7	5.4	158.7
180.00	179.70	-5.53	3.25	6.76	151.3	6.1	159.0
190.00	189.62	-7.10	3.65	7.38	152.7	7.1	160.8
200.00	199.54	-8.19	4.31	9.19	152.0	6.9	146.9
TD 252.50	252.03	-9.35	4.37	9.43	152.3	5.8	165.0

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VDLI DEVIATION

CLIENT : FORDING COAL LTD

HOLE ID : RH-1468

LOCATION : ALDRIDGE CREEK

DATE OF LOG : 07-23-86

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	SA	SAB
	.00	.00	.00	.00	.00	.0	.0	.0
	10.00	9.99	-.18	.32	.37	120.2	2.1	120.1
	20.00	19.98	-.40	.59	.72	124.4	2.0	128.9
	30.00	29.98	-.66	.71	.97	132.8	1.6	154.2
	40.00	39.97	-.89	.64	1.10	144.3	1.3	197.4
	50.00	49.97	-1.04	.46	1.14	156.3	1.3	230.7
	60.00	59.97	-1.14	.23	1.17	168.2	1.3	246.3
	70.00	69.96	-1.09	.00	1.09	180.0	1.3	282.7
	80.00	79.96	-.85	-.19	.87	193.1	1.7	319.8
	90.00	89.95	-.54	-.32	.63	210.8	1.9	338.4
	100.00	99.95	-.35	-.38	.52	227.9	1.1	340.4
	110.00	109.94	-.40	-.42	.59	226.1	.3	211.9
	120.00	119.94	-.57	-.45	.73	218.0	.9	189.1
	130.00	129.94	-.74	-.50	.90	213.9	1.0	196.8
	140.00	139.94	-.83	-.62	1.04	216.5	.8	232.7
	150.00	149.93	-.73	-.85	1.12	229.1	1.4	293.5
	160.00	159.93	-.58	-1.04	1.19	240.6	1.3	308.0
	170.00	169.92	-.31	-1.10	1.14	254.3	1.6	348.5
TD	170.10	170.02	-.05	-1.06	1.06	266.8	1.7	7.6

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VOL1 DEVIATION

CLIENT : FORDING COAL LTD

LOCATION : SOUTH GREENHILLS

DATA FROM : VOL2=A

HOLE ID : RH-2127

DATE OF LOG : 07-21-86

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
	20.00	19.99	.07	-.47	.48	278.8	1.3	278.8
	40.00	39.98	.43	-.73	.85	300.5	1.2	324.2
	60.00	59.97	.04	-.73	1.11	318.9	1.1	.4
	80.00	79.97	.81	-.72	1.09	318.6	.0	151.5
	100.00	99.96	.78	-1.09	1.34	305.6	1.0	264.6
	120.00	119.93	.96	-1.99	2.21	295.8	2.6	281.1
	140.00	139.89	1.85	-3.17	3.34	298.5	3.3	274.7
	160.00	159.86	1.18	-4.27	4.43	285.5	3.1	276.4
	180.00	179.83	1.85	-5.69	5.19	281.7	2.3	260.8
	200.00	199.80	.24	-5.77	5.78	272.4	3.0	220.2
	220.00	219.75	-.02	-6.71	6.74	264.7	3.6	227.2
	240.00	239.68	-1.53	-8.01	8.15	259.1	4.5	234.0
	260.00	259.61	-2.53	-9.21	9.55	254.6	4.4	230.2
	280.00	279.54	-3.24	-10.60	11.16	253.1	4.6	244.4
	300.00	299.46	-3.69	-12.14	12.69	253.1	4.3	252.6
TD	312.00	311.42	-3.81	-13.06	13.61	253.7	4.4	262.2

19

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VERTICAL DEVIATION

CLIENT : F.C.L.

HOLE ID : RH-2126

LOCATION : SOUTH GREENHILLS

DATE OF LOG : 07-18-86

DATA FROM : VERT2=A

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
	10.00	9.99	.10	.12	.16	49.3	.9	49.3
	20.00	19.99	.21	.25	.33	49.3	.9	49.3
	30.00	29.99	.35	.41	.48	58.5	.9	76.4
	40.00	39.98	.87	.58	.59	83.8	1.4	136.9
	50.00	49.98	-.21	.65	.69	107.9	1.6	165.9
	60.00	59.98	-.36	.66	.75	118.9	.8	179.1
	70.00	69.97	-.55	.63	.84	130.7	1.8	186.9
	80.00	79.97	-.73	.53	.91	143.9	1.2	208.7
	90.00	89.96	-1.10	.41	1.18	159.2	2.2	198.8
	100.00	99.95	-1.41	.08	1.41	176.5	2.6	226.5
	110.00	109.92	-1.77	-.53	1.85	196.7	4.1	240.1
	120.00	119.88	-2.20	-1.16	2.56	207.6	4.6	230.9
	130.00	129.84	-2.67	-1.85	3.25	214.9	4.5	241.1
	140.00	139.81	-2.94	-2.60	3.94	221.7	4.6	258.4
	150.00	149.77	-3.15	-3.34	4.66	225.6	4.5	246.5
	160.00	159.74	-3.49	-4.09	5.38	229.5	4.5	251.9
	170.00	169.71	-3.83	-4.74	6.09	231.1	4.1	242.7
	180.00	179.68	-4.27	-5.28	6.73	230.6	3.6	226.4
	190.00	189.65	-4.92	-5.61	7.46	228.8	4.3	212.2
	200.00	199.62	-5.62	-5.89	8.14	226.4	4.3	201.9
	210.00	209.58	-6.25	-6.31	8.88	225.3	4.3	213.7
	220.00	219.53	-7.02	-6.95	9.80	224.7	5.7	219.2
	230.00	229.47	-7.87	-7.53	10.58	223.7	5.9	214.7
	240.00	239.40	-8.70	-8.33	12.04	223.9	6.5	223.8
	250.00	249.32	-9.63	-9.14	13.28	223.5	7.0	221.3
	260.00	259.24	-10.53	-10.00	14.52	223.5	7.1	223.5
	270.00	269.16	-11.38	-10.09	15.69	223.5	6.7	223.3
	280.00	279.10	-12.17	-11.47	16.73	223.3	5.9	220.2
TD	287.00	286.37	-12.69	-11.91	17.40	223.2	4.6	220.1

CENTURY GEOPHYSICAL CORPORATION

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

COMPU-LOG VOLI DEVIATION

CLIENT : FORDING COAL LTD. HOLE ID : RH-2123

LOCATION : SOUTH GREENHILLS DATE OF LOG : 07-15-86

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	-.02	.33	.33	93.4	1.9	93.4
	20.00	19.98	-.08	.64	.65	97.3	1.8	101.4
	30.00	29.98	-.30	.81	.87	110.4	1.6	142.3
	40.00	39.97	-.64	.78	1.01	129.4	1.9	186.2
	50.00	49.96	-1.00	.60	1.17	148.9	2.3	205.9
	60.00	59.95	-1.32	.25	1.35	169.1	2.7	227.2
	70.00	69.94	-1.61	-.12	1.62	184.5	2.7	232.4
	80.00	79.92	-1.90	-.63	2.00	198.3	3.3	240.4
	90.00	89.90	-2.20	-1.12	2.54	206.1	3.5	232.1
	100.00	99.88	-2.64	-1.61	3.09	211.5	3.4	234.5
	110.00	109.87	-2.71	-1.99	3.36	216.3	2.1	258.9
	120.00	119.86	-2.65	-2.48	3.63	222.1	2.3	277.7
	130.00	129.86	-2.63	-2.91	3.92	227.9	2.9	273.0
	140.00	139.91	-2.64	-3.50	4.39	232.9	3.3	268.4
	150.00	149.82	-2.59	-4.11	4.86	237.8	3.5	275.0
	160.00	159.88	-2.49	-4.68	5.31	241.9	3.3	279.4
	170.00	169.78	-2.50	-5.01	5.60	243.4	1.8	268.1
	180.00	179.76	-2.48	-5.52	6.03	246.0	3.7	280.5
	190.00	189.75	-2.39	-5.96	6.42	248.2	3.1	271.6
	200.00	199.75	-2.43	-6.33	6.78	249.0	2.1	263.2
	210.00	209.72	-2.47	-6.91	7.34	250.3	3.3	266.0
	220.00	219.70	-2.50	-7.53	7.94	251.6	3.5	266.8
	230.00	229.67	-2.49	-8.30	8.67	253.3	4.4	271.3
	240.00	239.64	-2.43	-9.05	9.37	254.9	4.2	274.0
	250.00	249.59	-2.38	-10.02	10.33	256.6	5.6	266.0
	260.00	259.50	-2.50	-11.32	11.61	257.2	7.4	266.6
	270.00	269.40	-2.56	-12.78	13.04	258.6	8.4	270.5
	280.00	279.26	-2.56	-14.42	14.65	259.9	9.4	270.0
	290.00	289.08	-2.66	-16.28	16.50	260.7	10.7	266.8
TD	294.90	293.87	-2.63	-17.30	17.50	261.3	11.9	272.0

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

CONTU-LOG VOL1 DEVIATION

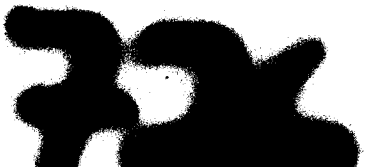
CLIENT : FORDING COAL LTD. HOLE ID : R.H. 2121

LOCATION : SOUTH GREENHILLS DATE OF LOG : 07-10-86

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	.12	-.05	.13	337.1	.7	337.0
	20.00	19.99	.22	-.10	.25	334.5	.6	331.3
	30.00	29.99	.22	-.15	.27	324.9	.2	265.9
	40.00	39.99	.10	-.19	.21	297.4	.7	197.4
	50.00	49.98	-.17	-.29	.33	239.8	1.6	199.8
	60.00	59.97	-.50	-.70	.86	234.3	3.0	230.6
	70.00	69.95	-.88	-1.24	1.42	241.4	3.2	252.1
	80.00	79.93	-.92	-1.85	2.06	243.5	3.7	248.0
	90.00	89.91	-1.32	-2.50	2.78	247.7	3.7	260.8
	100.00	99.88	-1.81	-3.13	3.29	252.8	3.6	270.7
	110.00	109.86	-1.10	-3.81	3.97	253.6	3.9	262.5
	120.00	119.83	-1.14	-4.55	4.69	255.8	4.2	266.9
	130.00	129.80	-1.47	-5.16	5.36	254.0	3.9	241.6
	140.00	139.77	-1.74	-5.84	6.10	253.4	4.2	248.4
	150.00	149.73	-1.97	-6.65	6.94	253.5	4.8	254.0
	160.00	159.69	-2.30	-7.46	7.81	252.9	5.0	248.0
	170.00	169.64	-2.66	-8.48	8.81	252.4	5.7	248.7
	180.00	179.58	-2.95	-9.43	9.88	252.6	6.1	254.5
	190.00	189.51	-3.24	-10.50	10.99	252.8	6.3	254.8
	200.00	199.45	-3.56	-11.61	12.14	253.0	6.6	253.9
	210.00	209.38	-3.76	-12.73	13.27	253.5	6.5	259.7
	220.00	219.31	-3.90	-13.88	14.42	254.3	6.6	263.2
	230.00	229.23	-4.13	-15.06	15.61	254.6	6.8	258.6
	240.00	239.15	-4.42	-16.24	16.84	254.8	7.0	256.3
	250.00	249.07	-4.81	-17.47	18.13	254.6	7.4	252.4
	260.00	258.97	-5.09	-18.78	19.46	254.8	7.6	257.8
	270.00	268.88	-5.54	-20.05	20.81	254.5	7.7	258.5
	280.00	278.79	-5.82	-21.32	22.10	254.7	7.4	257.4
	290.00	288.72	-6.17	-22.45	23.28	254.6	6.7	252.9
TD	292.28	290.91	-6.15	-22.66	23.48	254.8	5.4	274.8



CENTURY GEOPHYSICAL CORPORATION

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

COMPU LOG VDLI DEVIATION

CLIENT : TOBLING COAL LTD. HOLE ID : RH-2119

LOCATION : SOUTH GREENHILLS DATE OF LOG : 07-17-06

DATA FROM : VILOG 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
20.00	19.97	-.15	-.50	.64	246.9	3.6	246.7
28.00	27.95	-.30	-1.10	1.20	246.5	3.6	246.7
38.00	37.91	-.74	-1.70	1.94	247.4	3.7	248.5
48.00	47.87	-.97	-2.47	2.63	248.3	3.9	250.0
58.00	57.81	-1.26	-3.13	3.39	248.2	4.3	247.9
68.00	67.77	-1.50	-3.93	4.21	247.5	4.7	246.6
78.00	77.73	-1.83	-4.70	5.12	247.9	5.2	247.8
88.00	87.71	-2.42	-5.51	6.03	246.5	5.5	238.9
98.00	97.67	-2.97	-6.17	7.00	246.1	5.7	243.6
108.00	107.63	-3.41	-6.71	7.85	244.6	4.5	231.3
118.00	117.59	-3.51	-7.03	8.46	245.4	3.5	256.7
128.00	127.55	-3.50	-8.47	9.13	247.3	4.4	267.3
138.00	137.49	-3.45	-9.41	10.02	249.8	5.3	276.1
148.00	147.42	-3.60	-10.40	11.03	250.9	6.2	268.7
158.00	157.33	-3.93	-11.61	12.27	251.7	6.6	259.7
168.00	167.24	-4.18	-12.72	13.45	252.6	6.7	261.9
178.00	177.14	-4.32	-13.93	14.60	253.3	6.8	261.2
188.00	187.04	-4.32	-15.23	15.83	254.2	7.3	263.6
198.00	196.93	-4.06	-15.40	17.13	254.2	7.4	254.6
208.00	206.81	-5.11	-17.67	18.39	253.8	7.2	249.8
218.00	216.68	-5.54	-18.91	19.70	253.7	7.5	251.8
228.00	226.61	-6.13	-20.15	21.16	253.1	8.1	245.3
238.00	236.51	-6.69	-21.37	22.44	252.3	7.8	239.1
248.00	246.41	-7.42	-22.59	23.71	251.8	7.4	243.0
258.00	256.31	-7.97	-23.73	24.97	251.6	7.2	249.8
268.00	266.21	-8.13	-24.97	26.30	251.9	7.6	256.1
278.00	276.11	-7.88	-26.24	27.65	251.2	7.7	252.3
288.00	286.01	-7.80	-27.60	28.98	252.1	7.7	260.1
TD 297.00	294.93	-8.00	-28.70	29.83	253.7	7.3	277.1
	297.00	-8.00	-28.90	30.03	254.1	9.0	295.1

CENTURY GEOPHYSICAL CORPORATION

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

CONVY LOG VOLI DEVIATION

CLIENT : FORDING COAL LTD. HOLE ID : EJ-2116

LOCATION : SOUTH GREENHILLS DATE OF LOG : 88-10-06

DATA FROM : VOLI=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	.06	.33	.34	79.5	1.9	79.5
	20.00	19.98	.11	.08	.09	88.6	2.0	81.6
	30.00	29.98	.12	1.85	1.86	83.3	2.1	88.2
	40.00	39.97	.12	1.40	1.40	84.9	1.9	89.0
	50.00	49.96	-.08	1.60	1.60	98.8	1.8	113.1
	60.00	59.96	-.21	1.88	1.91	96.4	1.7	135.9
	70.00	69.95	-.58	1.96	2.04	104.4	1.7	164.9
	80.00	79.93	-.88	1.78	2.69	109.1	1.8	181.1
	90.00	89.89	-.77	1.97	2.15	111.5	.5	181.9
	100.00	99.85	-.87	1.81	2.91	115.8	1.1	239.7
	110.00	109.83	-.13	1.21	1.54	120.3	3.4	262.1
	120.00	119.80	1.13	-.54	1.15	154.4	3.9	255.4
	130.00	129.77	-1.33	-.21	1.37	189.2	4.5	253.8
	140.00	139.74	-1.10	-1.00	1.87	212.5	4.7	253.9
	150.00	149.71	-1.33	-1.54	2.47	210.5	3.6	236.2
	160.00	159.68	-2.15	-1.69	2.73	221.8	3.0	232.7
TD	167.00	166.65	-2.53	-1.83	3.26	224.5	2.3	258.6