

2396

***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT	: Fording Coal	HOLE ID.	: R.H. 2396
FIELD OFFICE	: Fording Rvr.	DATE OF LOG	: 09/29/93
DATA FROM	:	PROBE	: 9055A 7
MAG. DECL.	: 21.000	DEPTH UNITS	: METERS LOG 4

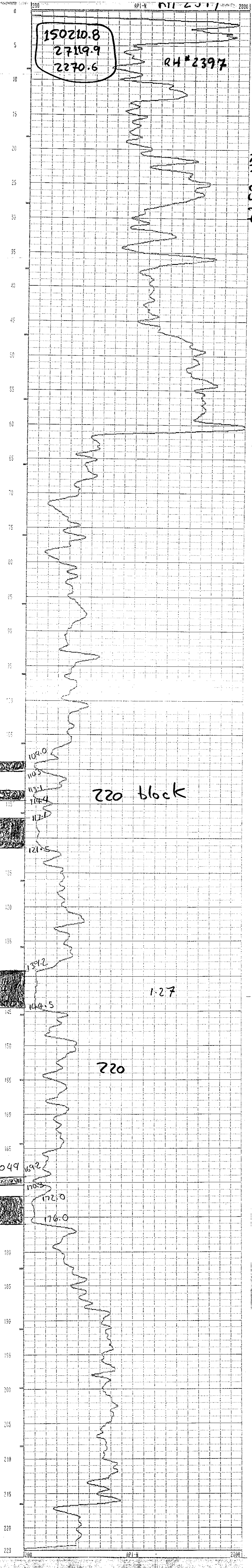
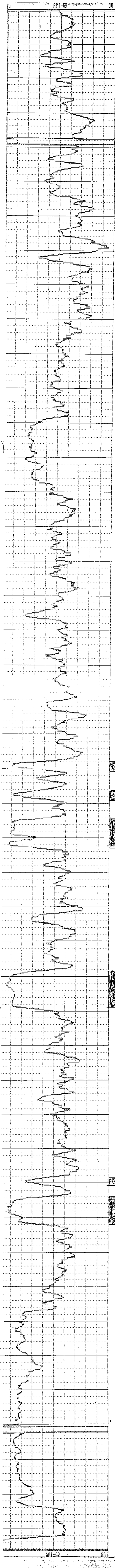
CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.0	10.00	-0.13	0.03	0.1	167.1	0.9	184.8
20.0	20.00	-0.32	0.04	0.3	173.3	1.0	176.7
30.0	29.99	-0.51	0.07	0.5	172.2	1.0	173.6
40.0	39.99	-0.70	0.11	0.7	171.3	1.1	170.2
50.0	49.99	-0.87	0.15	0.9	170.0	1.1	161.8
60.0	59.99	-1.07	0.21	1.1	168.7	1.2	159.6
70.0	69.99	-1.26	0.28	1.3	167.5	1.2	180.6
80.0	79.98	-1.47	0.34	1.5	167.0	1.3	164.0
90.0	89.98	-1.71	0.46	1.8	164.9	1.4	145.9
100.0	99.98	-1.95	0.62	2.0	162.5	1.6	153.4
110.0	109.97	-2.19	0.79	2.3	160.2	1.7	141.7
120.0	119.96	-2.47	1.05	2.7	157.0	3.0	130.6
130.0	129.94	-2.84	1.61	3.3	150.5	4.6	121.5
140.0	139.90	-3.33	2.42	4.1	143.9	6.4	122.4
150.0	149.82	-3.96	3.51	5.3	138.4	7.8	120.7
160.0	159.70	-4.77	4.82	6.8	134.7	10.0	122.1
170.0	169.51	-5.79	6.41	8.6	132.1	11.6	123.3
180.0	179.29	-6.97	8.15	10.7	130.5	12.4	125.7
190.0	189.04	-8.30	9.94	12.9	129.9	13.5	126.6
200.0	198.74	-9.73	11.92	15.4	129.2	14.7	128.1
200.9	199.42	-9.82	12.04	15.5	129.2	0.0	0.0

2

***** COMFU-LOG - VERTICAL DEVIATION *****

CLIENT	: Fording Coal	HOLE ID.	: RH23-97 93071
FIELD OFFICE	: Fording Rvr.	DATE OF LOG	: 08/17/93
DATA FROM	:	PROBE	: 9055A 7
MAG. DECL.	: 21.000	DEPTH UNITS	: METERS LOG 6

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-0.3	0.00	0.00	0.00	0.0	0.0	0.0	0.0
9.7	9.70	-0.04	-0.06	0.1	241.1	0.8	306.4
19.7	19.70	-0.01	-0.03	0.0	245.2	0.7	10.5
29.7	29.70	0.00	0.03	0.0	81.4	0.8	340.9
39.7	39.70	0.03	0.01	0.0	14.9	1.0	302.4
49.7	49.69	0.11	0.10	0.1	42.4	1.5	57.8
59.7	59.69	0.08	0.08	0.1	44.7	1.6	356.0
69.7	69.69	0.13	0.08	0.2	31.8	1.5	248.5
79.7	79.68	0.06	0.11	0.1	59.4	1.6	136.1
89.7	89.68	0.09	0.21	0.2	66.2	1.7	75.6
99.7	99.67	0.24	0.41	0.5	59.2	2.0	12.9
109.7	109.67	0.33	0.39	0.5	49.8	2.3	323.4
119.7	119.66	0.37	0.18	0.4	25.3	2.2	20.2
129.7	129.65	0.57	0.21	0.6	20.4	2.2	43.1
139.7	139.65	0.52	0.28	0.6	28.4	2.0	65.6
149.7	149.64	0.51	0.41	0.6	38.8	2.1	29.8
159.7	159.63	0.36	0.27	0.4	37.6	2.4	156.0
169.7	169.62	0.47	0.32	0.6	34.2	2.6	107.5
179.7	179.61	0.52	0.51	0.7	44.1	2.6	128.0
189.7	189.60	0.53	0.61	0.8	49.1	2.9	330.7
199.7	199.59	0.69	0.72	1.0	46.2	3.1	198.1
209.7	209.57	0.80	1.03	1.3	52.1	3.6	128.9
219.7	219.55	0.97	1.24	1.6	52.1	3.6	357.4
223.3	222.94	1.06	1.32	1.7	51.4	0.0	0.0



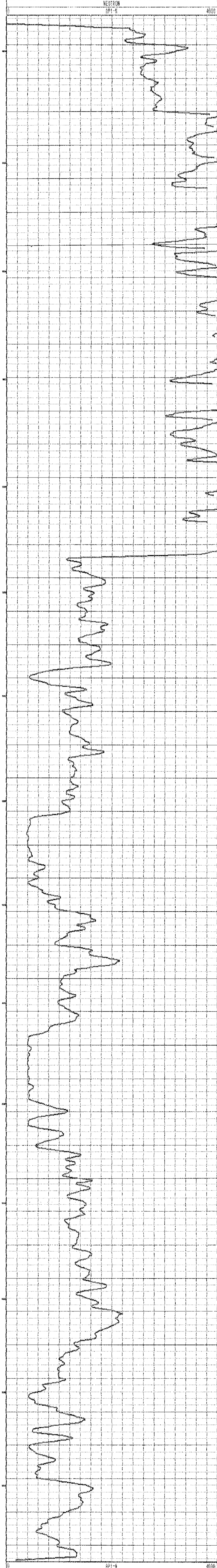
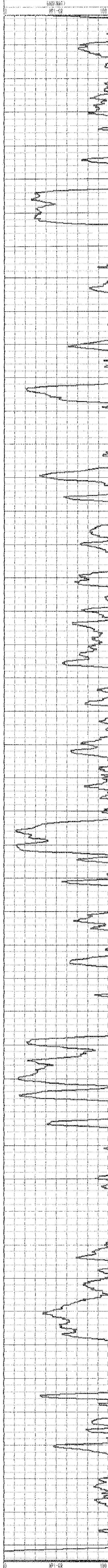


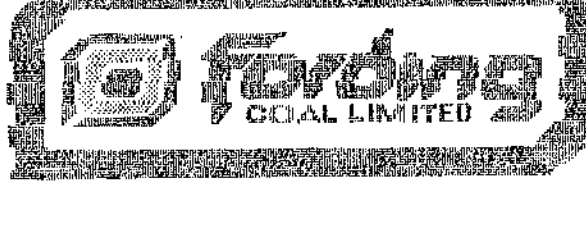
GAMMA-NEUTRON

RH #2360

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2360 NEUTRON - DEVIATION	RH 2360	
LOCATION/FIELD	: Eagle	Eagle	
COUNTY	:	NEUTRON	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 03/20/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 315m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 232.50	LOG MEASURED FROM:	G.L. DF :
LOG TOP	: 0.00	DRL MEASURED FROM:	CL. :
CASING DRILLER	: 15	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: Fording Rvr.
CASING THICKNESS:	.025	RECORDED BY	: Ian Oliver
BIT SIZE	: 12	BOREHOLE FLUID	: H 2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:		

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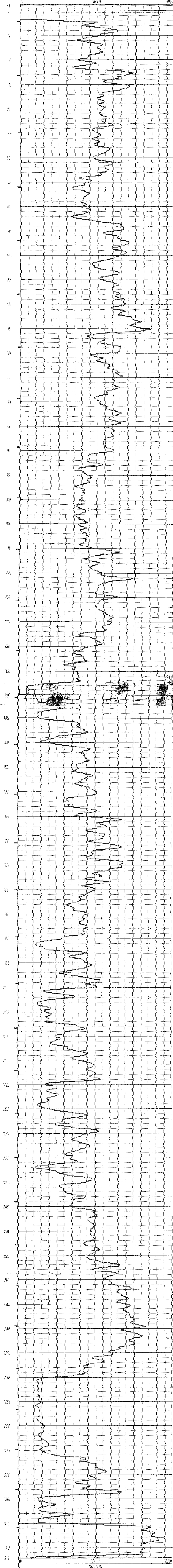
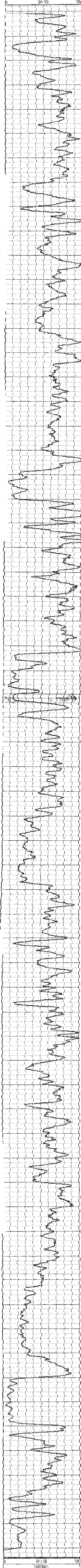


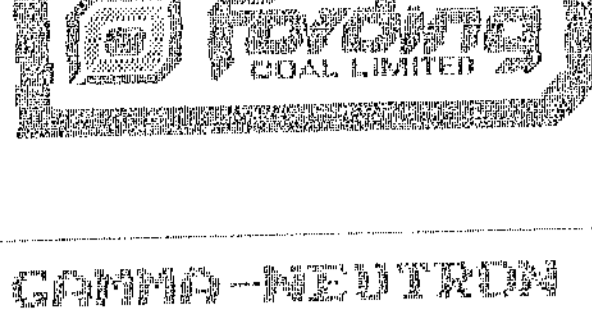
GAMMA-NEUTRON

RH#2367

COMPANY : Fording Coal	OTHER SERVICES: RH694	
LOG : RH 2367 EAGLE	Log # 2367	
CATION/FIELD : Turabul	Log # 2367	
DWTY :	Log # 2367	
DATE :	Log # 2367	
CITY :	Log # 2367	
TOWNSHIP :	Log # 2367	
RANGE :	Log # 2367	
DATE : 03/12/93	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : L06	ELEV. PERM. DATUM: 1815.7	FE :
LOG BOTTOM : 327.18	LOG MEASURED FROM: S.L.	BF :
LOG TOP : 9.60	DRL MEASURED FROM:	GL :
CASING DRILLER : 15	LOGGING UNIT : 379	
CASING TYPE : steel	FIELD OFFICE : Fording Rvr.	
CASING THICKNESS: .025	RECORDED BY : Sandy	
BIT SIZE : 12	BOREHOLE FLUID : H ₂ O	FILE : PROCESSED
MAGNETIC DECL. : 21	RH TEMPERATURE :	TYPE : 9055A
MATRIX DENSITY :	MINIAX WELT: 1	LOG : 5
FLUID DENSITY :	FLUID DELTA T :	PLR: GREEN 6
NEUTRON MATRIX :		THRESH:
REMARKS :		

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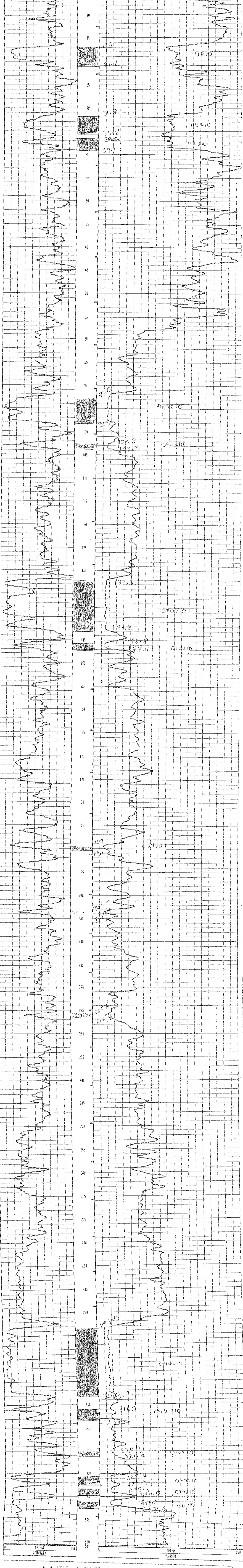
GAMMA-NEUTRON

2368

COMPANY : Fording Coal	OTHER SERVICES:	
WELL : R.H.2368	RH2368	
LOCATION/FIELD : Eagle	Eagle	
COUNTY :	C/N	
STATE :		
SECTION :	TOWNSHIP :	RANGE :
DATE : 03/22/93	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 340m	ELEV. PERM. DATUM:	KE :
LOG BOTTOM : 340.98	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -1.00	DRL MEASURED FROM: G.L.	CL :
CASING DRILLER : 15	LOGGING UNIT : 379	
CASING TYPE : steel	FIELD OFFICE : Fording Rvr.	
CASING THICKNESS : .125	RECORDED BY : Sandy	
BIT SIZE : 13.4	ROEMBLE FLUID : H 2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RH :	TYPE : 9055A
MATRIX DENSITY : 2.65	RM TEMPERATURE :	LOG : 9
FLUID DENSITY : 1.0	MATRIX DELTA T :	PLOT : 22556 V
NEUTRON MATRIX : Sandstone	FLUID DELTA T :	THRESH:
REMARKS :		

* see Density log for seam picks

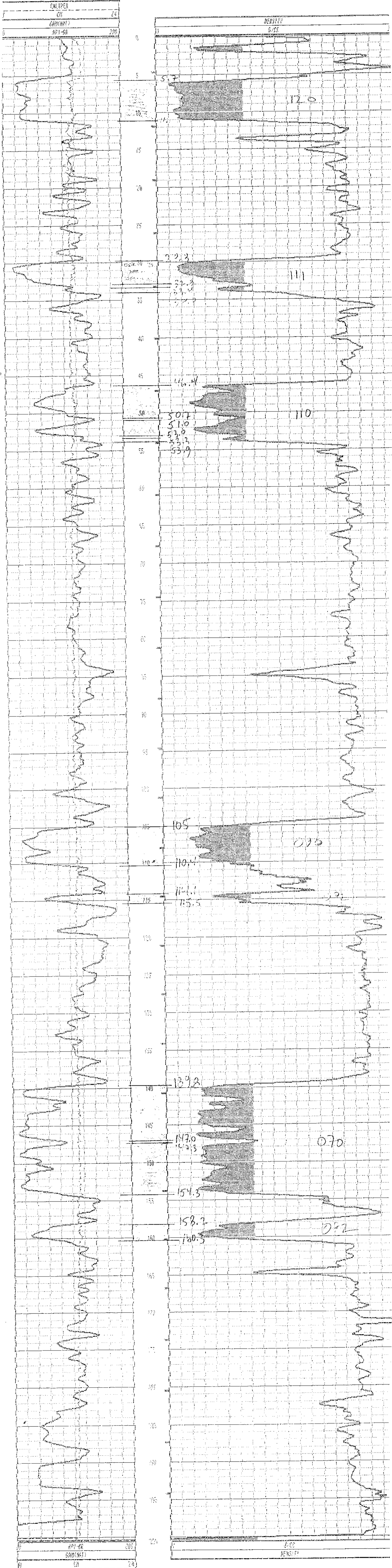
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MAGNETIC DECL. : 2.1 RH TYPE : 903000
 STRIK DENSITY : RW TEMPERATURE : LOG : 1
 LIQUID DENSITY : MATRIX DELTA T : PLOT : 903000 2
 NEUTRON MATRIX : FLUID DELTA T : THRESH :
 REMARKS :
 Hole Open to 197.66 Feb. 25/93

RH # 2366

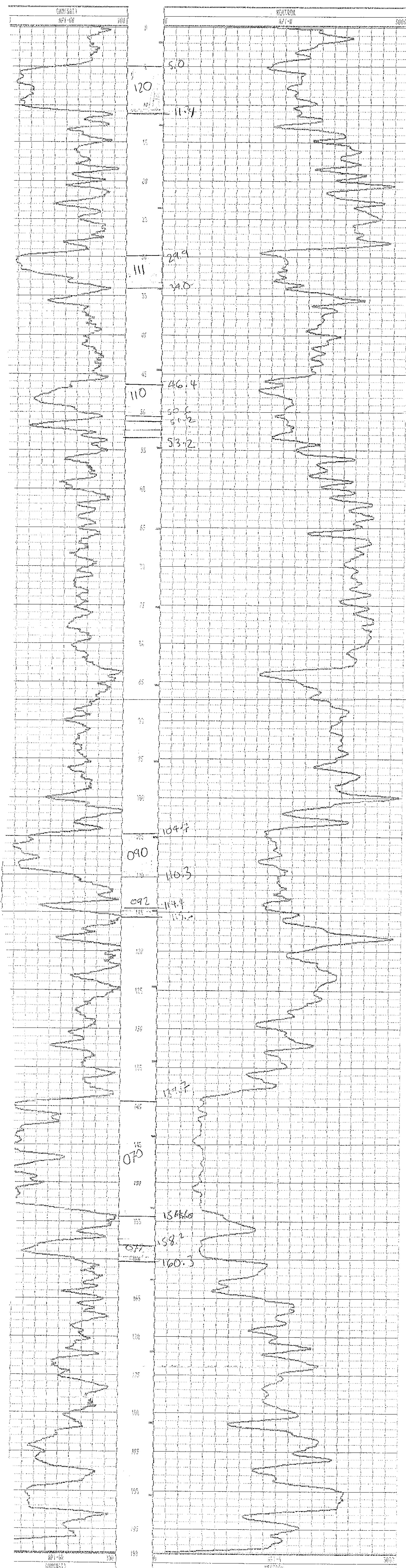
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MATRIX DENSITY : MA TEMPERATURE : LOG : 0
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9855A @
 NEUTRON MATRIX : FLUID DELTA T : THRESH :
 REMARKS :

see Density for "true" picks RH 2366

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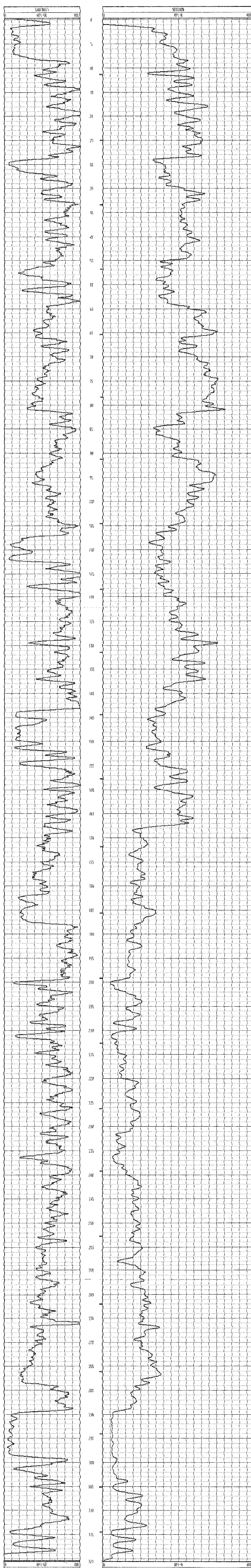


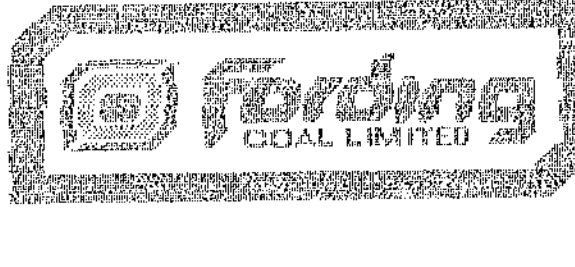


GAMMA-NEUTRON

COMPANY : Fording Coal	OTHER SERVICES : RH 2365	
WELL : RH 2365	2365	
LOCATION/FIELD : Taylor		
COUNTY :		
STATE :		
SECTION :	TOWNSHIP : RANGE :	
DATE : 02/23/93	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 30	ELEV. PERM. DATUM :	KB :
LOG BOTTOM : 328.60	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -0.10	DRL MEASURED FROM:	GL :
CASING DRILLER : 21	LOGGING UNIT : 379	
CASING TYPE : steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .025	RECORDED BY : I.J. OLIVER	
BIT SIZE : 12	BOREHOLE FLUID : H 2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM :	TYPE : 9055A
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 0
FLUID DENSITY :	MATRIX DELTA T :	PLOT : 9055A 0
NEUTRON MATRIX :	FLUID DELTA T :	THRESH:
REMARKS :		
GAMMA GRAMA		

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149116.4
25083.0
2136.5

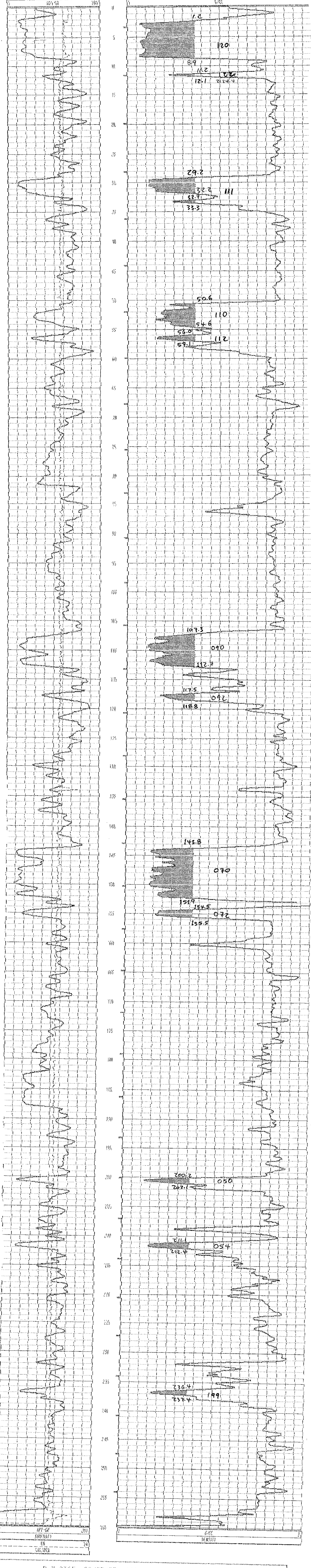
GAMMA-RS-DENSITY

RH# 2365

COMPANY : Fordina Coal	OTHER SERVICES:	
WELL : R.H.2365	RH2365	
LOCATION/FIELD : Eagle	Eagle	
COUNTY :	Density	
STATE :		
SECTION :	TOWNSHIP :	RANGE :
DATE : 02/25/93	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 326a	ELEV. PERM. DATUM:	RT :
LOG BOTTOM : 266.20	LOG MEASURED FROM: G.L.	RF :
LOG TOP : -2.50	DRL MEASURED FROM:	GL :
CASING DRILLER : 21	LOGGING UNIT : 379	
CASING TYPE : steel	FIELD OFFICE : G.O.	
CASING THICKNESS : .025	RECORDED BY : Sandy	
BIT SIZE : 12	BOREHOLE FLUID : H 2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RH TEMPERATURE :	TYPE : 9839AA
MATRIX DENSITY :	MATRIX DELTA T :	LOG : D
FLUID DENSITY :	FLUID DELTA T :	PLST : 9839AA 9
NEUTRON MATRIX :		WRESH :
REMARKS :		

Open hole open to 257 Feb 24/93

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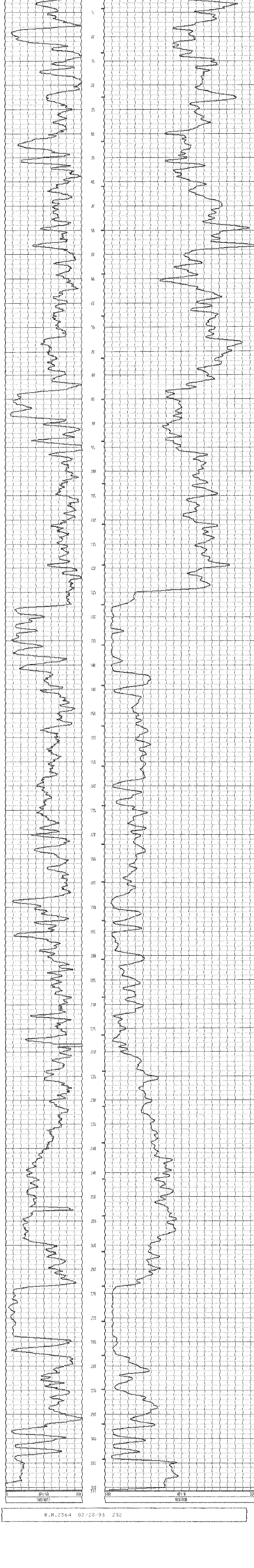


GAMMA-NEUTRON

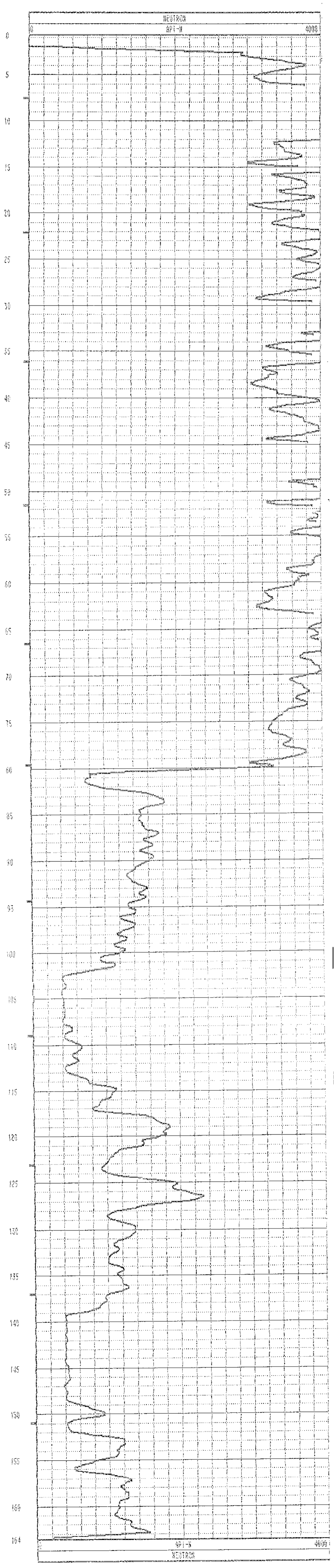
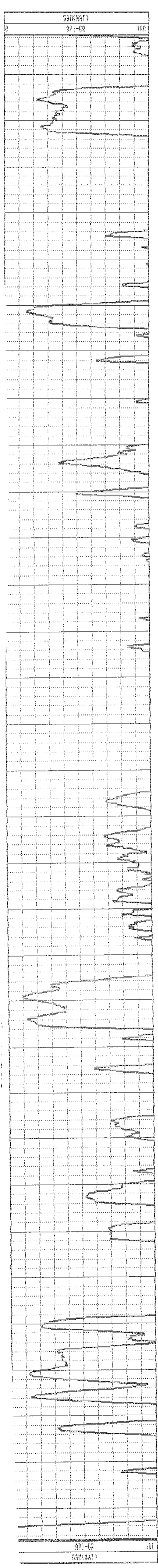
RH 42364

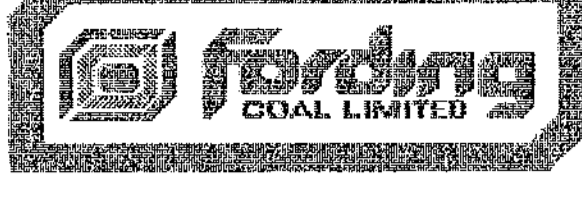
COMPANY : Fording Coal	OTHER SERVICES:	
WELL : R.H.2364	RH2364	
LOCATION/FIELD : Eagle	Eagle	
COUNTY :	C/N Log	
STATE :		
SECTION :	TOWNSHIP :	
	RANGE :	
DATE : 02/28/93	PERMANENT DATUM :	ELEVATIONS
DEPTH BRILLER : 310%	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 318.98	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -1.10	BRL MEASURED FROM:	GL :
CASING BRILLER : 21	LOGGING UNIT : 379	
CASING TYPE : steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .025	RECORDED BY : Sandg	
BIT SIZE : 12	BOREHOLE FLUID : H 2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM	TYPE : 9055A
MATRIX DENSITY :	TM TEMPERATURE :	LOG : 3
FLUID DENSITY :	MATRIX DELTA T :	PLOT : 9055A 0
NEUTRON MATRIX :	FLUID DELTA T :	WRESH:
REMARKS :		

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RH # 2363



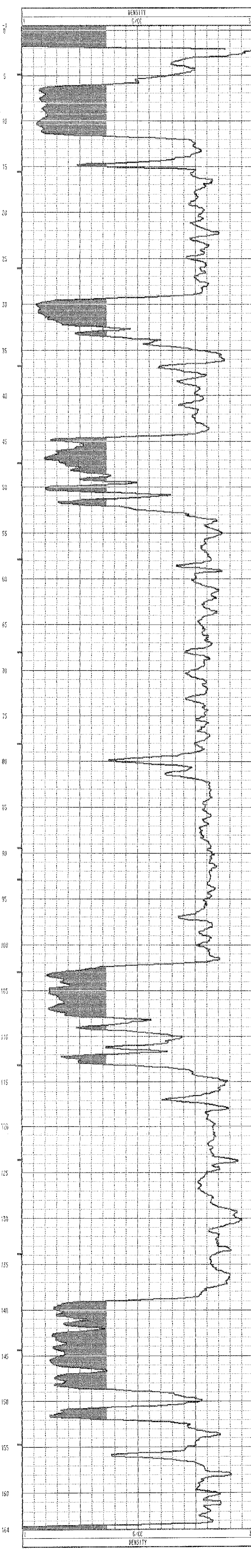
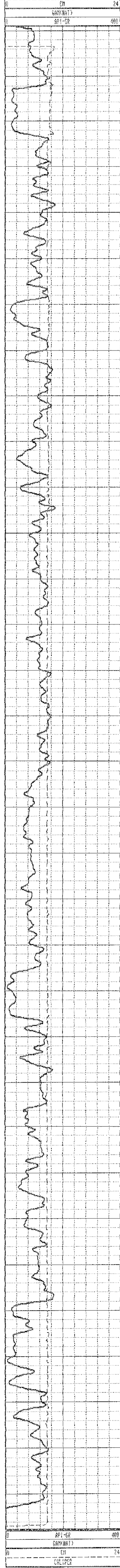


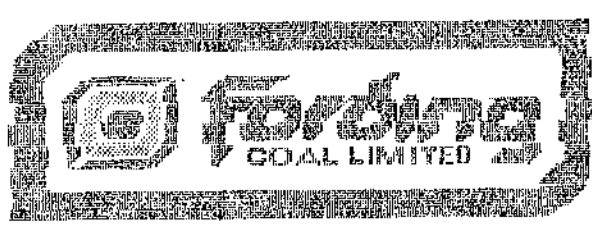
GAMMA-RES-DENSITY

RH 2363

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2363 DENSITY	RH 2363	
LOCATION/FIELD	: Eagle	Eagle	
COUNTRY	:	DENSITY	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 03/20/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 315a	ELEV. PERM. DATUM:	: RB :
LOG BOTTOM	: 164.00	LOG MEASURED FROM:	: G.L. DF :
LOG TOP	: -0.30	DRL MEASURED FROM:	: GL :
CASING DRILLER	: 15	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: Fording Rev.
CASING THICKNESS:	.025	RECORDED BY	: Ian Oliver
BIT SIZE	: 12	BOREHOLE FLUID	: H 2o
MAGNETIC DECL.	: 21	RH	:
MATRIX DENSITY	:	RH TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:		: THRESH:

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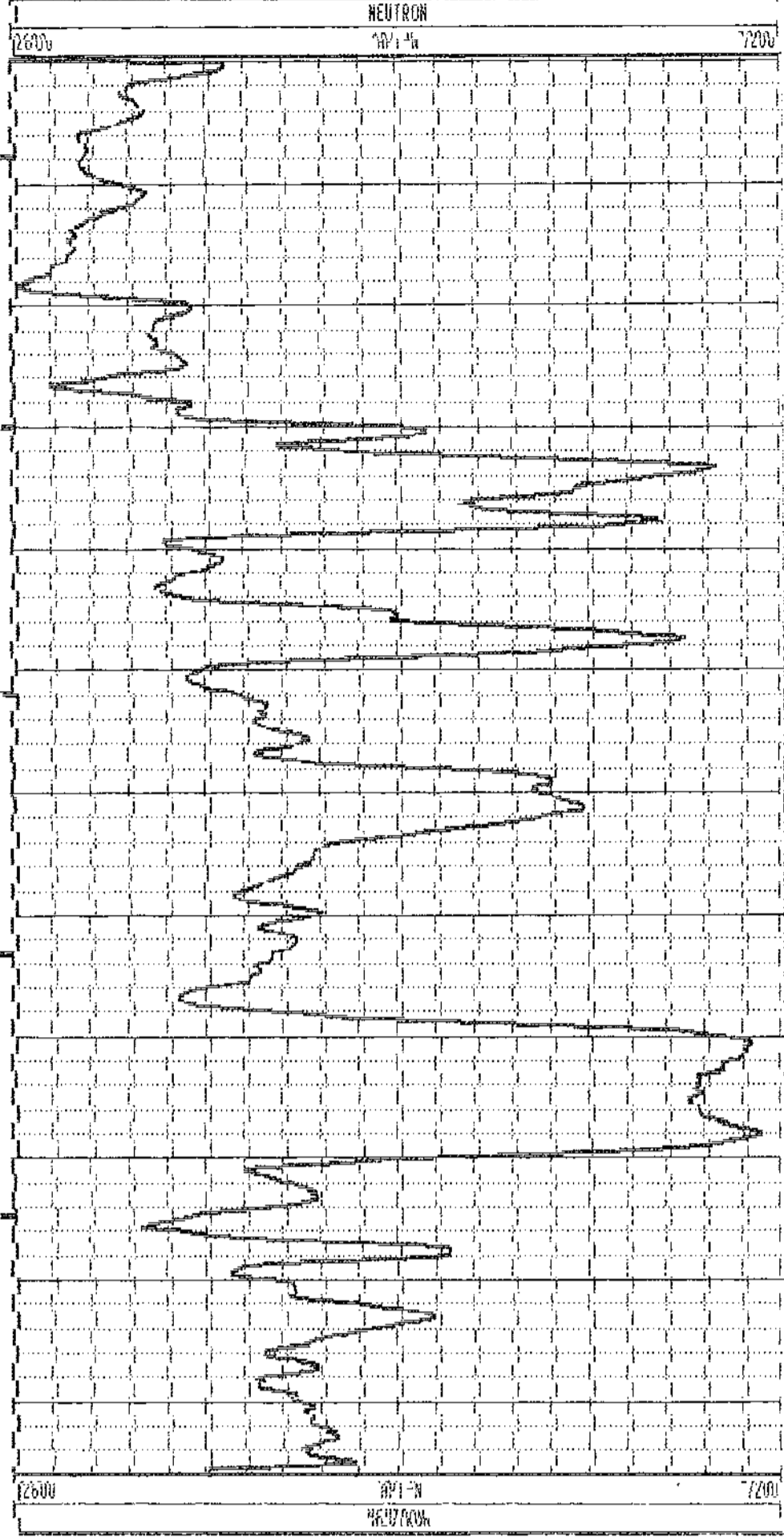
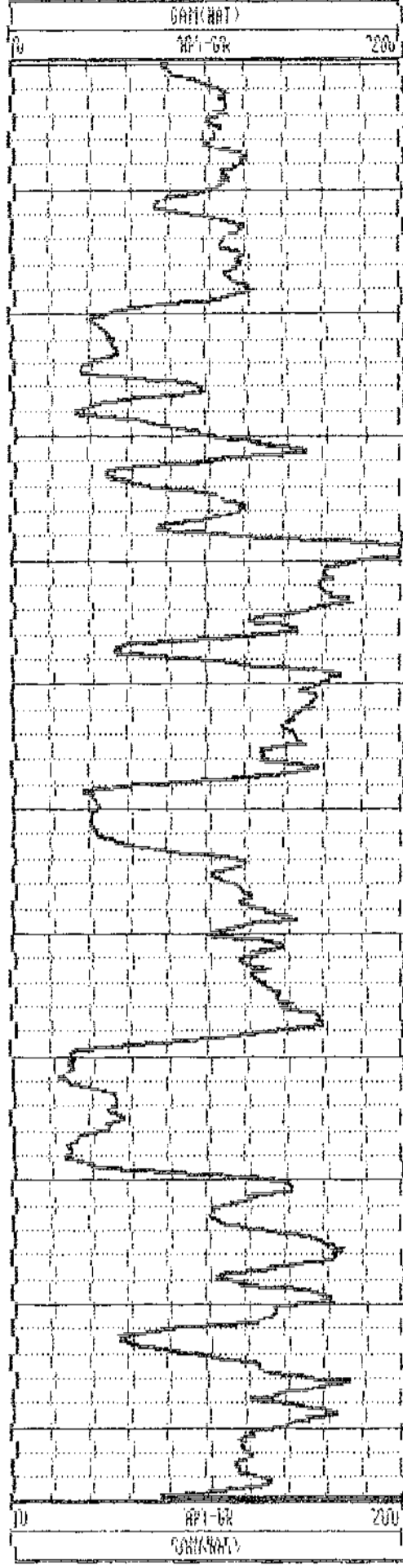


GAMMA-NEUTRON

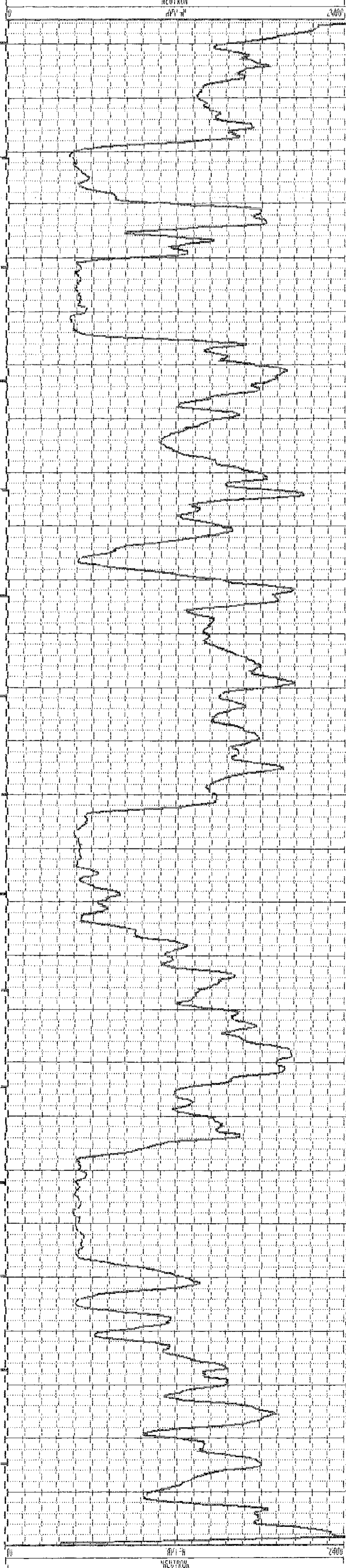
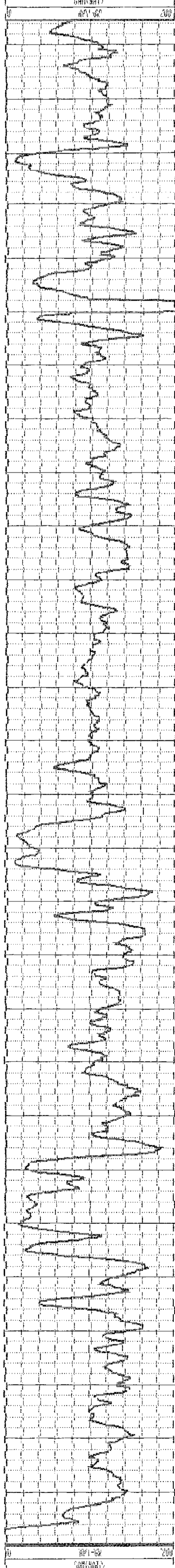
RH 2362

COMPANY : Fording Coal	OTHER SERVICES:	
WELL : R.H. 2362	RH2362	
LOCATION/FIELD : Eagle	Eagle	
COUNTY :	G/W Dev.	
STATE :		
SECTION :	TOWNSHIP :	RANGE :
DATE : 03/14/93	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 281a	ELEV. FERRY DATUM :	KB :
LOG BOTTOM : 298.60	LOG MEASURED FROM: G.L.	AP :
LOG TOP : -1.50	LOG MEASURED FROM:	CL :
CASING DRILLER : 15	LOGGING UNIT : 379	
CASING TYPE : steel	FIELD OFFICE : Fording Rev.	
CASING THICKNESS: .025	RECORDED BY : Sandy	
BIT SIZE : 12	BOREHOLE FLUID : H 2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RN :	TYPE : 9855A
MATRIX DENSITY :	TM TEMPERATURE :	LOG : 6
FLUID DENSITY :	MATRIX DELTA T :	PAGE : 9855A 2
NEUTRON MATRIX :	FLUID DELTA T :	TURNESM:
REMARKS :		

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R.H. 2362 03/14/93 232



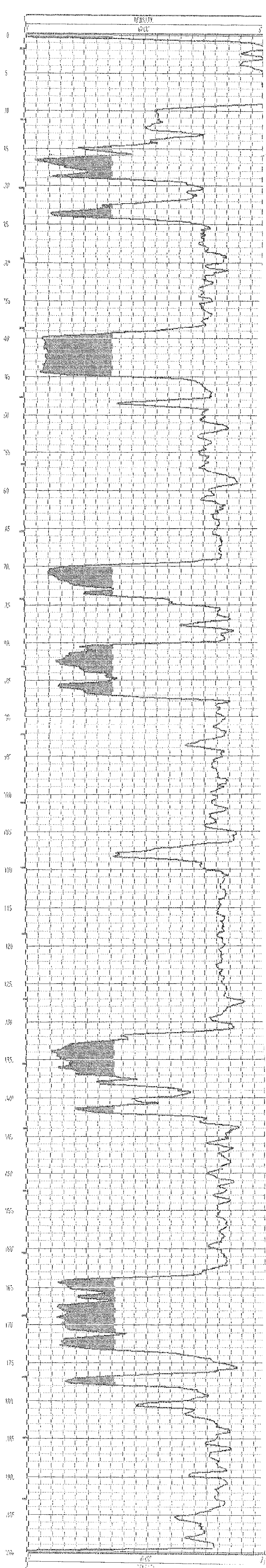
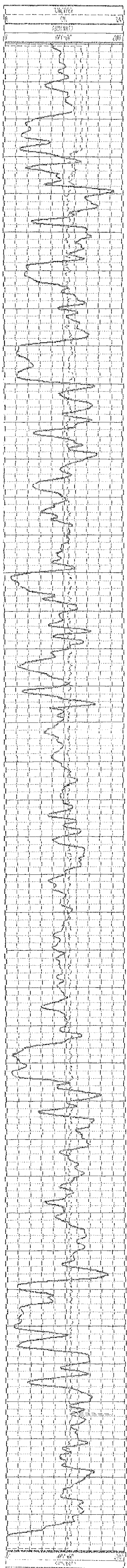
R.H. 2362 03/14/93 232

GAMMA-RIS-DENSITY

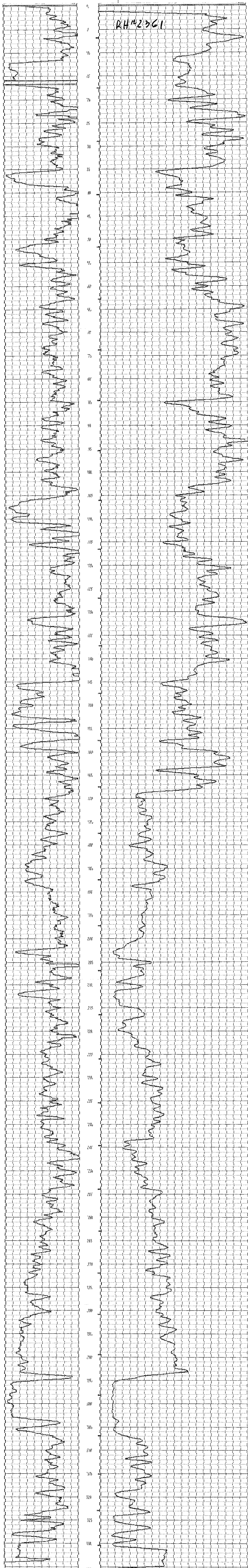
QH# 2362

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: K.H.2362	RH2362	
LOCATION/FIELD	: Eagle	Eagle	
COUNTY	:	Density	
STATE	:		
SECTION	:	TOWNSHIP	RANGE
DATE	: 03/14/93	PERMANENT DATUM	ELEVATIONS
DEPTH DRILLER	: 281a	ELEV. PERM. DATUM:	AS
LOG BOTTOM	: 289.28	LOG MEASURED FROM:	G.L.
LOG TOP	: -1.88	BRL MEASURED FROM:	GS
CASING DRILLER	: 15	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: Fording Rvr.
CASING THICKNESS	: .025	RECORDING BY	: Sandy
BIT SIZE	: 12	BARHOLE FIELD	: H 2a
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	TM TEMPERATURE	:
FLUID DENSITY	:	WATER DELTA T	:
NEUTRON MONITOR	:	SLATE DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 90300A
		LUG	: 7
		WIRE	: 90300A 8
		WIRESM.	:

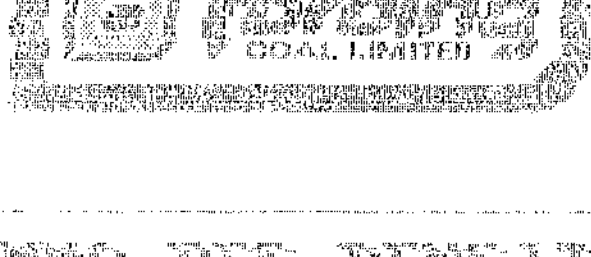
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RH#2361



2361

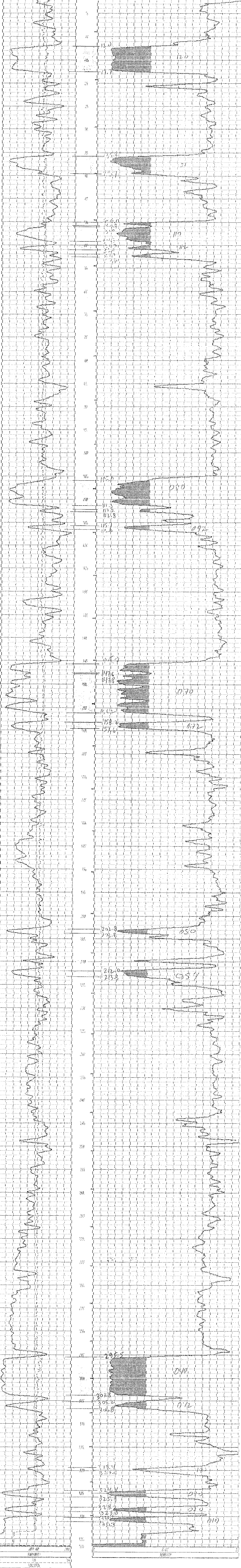


149372.0N
25123.4E
2137.8

GAMMA-RAY-DENSITY RH#2361

COMPANY : Logging Co. of Canada Ltd.	ORDER SERVICES : RHE2361	
WELL : R.H.2361	East	
LOCATION/FIELD : Eagle	Section	
COUNTS		
DATE		
DEPTH BRITISH : 540m	PERMANENT DATUM :	ELEVATIONS
LOG SECTION : 276.69	ELEV. FROM DATUM :	00
LOG TAP : -2.00	5M MEASURED FROM :	20
	3M MEASURED FROM :	65
CASING BRITTLE :	LOGGING UNIT : 379	
CASING TYPE :	FIELD OFFICE : Logging Rep.	
CASING THICKNESS :	ACQUIRED BY : Sample	
BIT SIZE :	DRILLABLE FLUID :	TYPE : BEINGAL
MAGNETIC DECL. : 24	RH :	TYPE : 963800
PHYSICAL DENSITY :	RT TEMPERATURE :	TYPE : 0
LOGICAL DENSITY :	WELLHEAD PRESSURE :	TYPE : 0.00000 MPa
NATIONAL MAPPING :	WELLHEAD TEMPERATURE :	TYPE :
REMARKS :		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



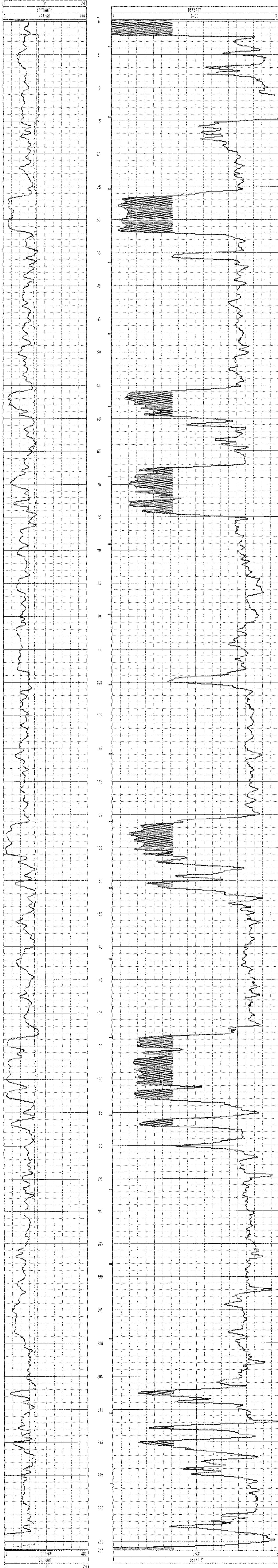


GAMMA-RES-DENSITY

RH 2360

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2360 DENSITY	RH 2360
LOCATION/FIELD	: Eagle	Eagle
COUNTY	:	DENSITY
STATE	:	
SECTION	: TOWNSHIP	: RANGE
DATE	: 03/20/93 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 315m ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 231.49 LOG MEASURED FROM: G.L.	MF :
LOG TOP	: -0.10 DRL MEASURED FROM:	GL :
CASING DRILLER	: 15	LOGGING UNIT
CASING TYPE	: steel	FIELD OFFICE
CASING THICKNESS	: .025	RECORDED BY
		: Ian Oliver
BIT SIZE	: 12	BOREHOLE FLUID
MAGNETIC DECL.	: 21	RM
MATRIX DENSITY	:	RM TEMPERATURE
FLUID DENSITY	:	MATRIX DELTA T
NEUTRON MATRIX	:	FLUID DELTA T
REMARKS	:	THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



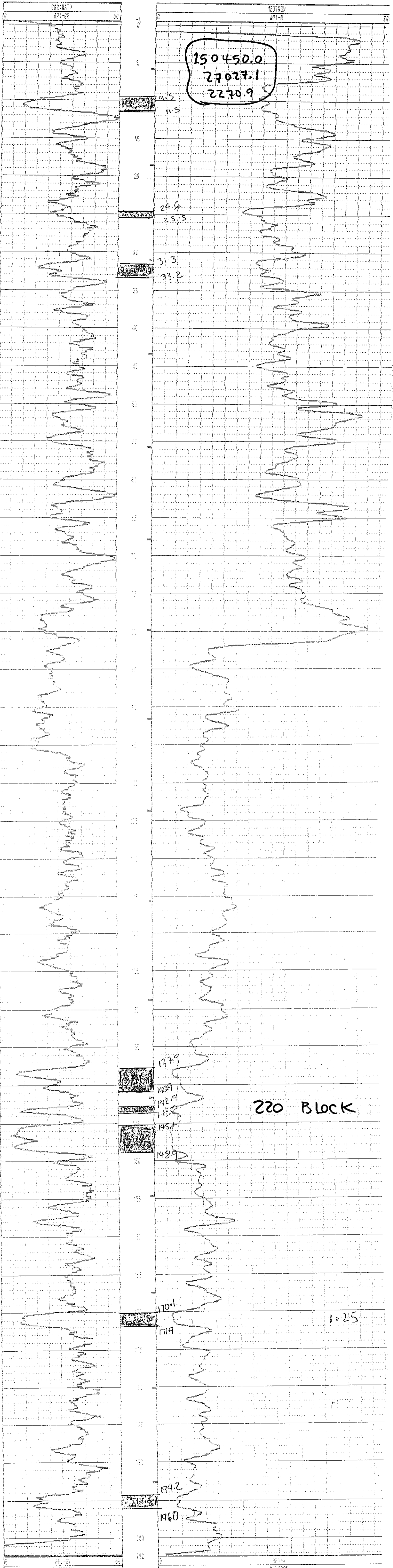
RH# 2396

TRACKS

Open Hole Log

Hole open to 88.39m with dummy tool

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT : Fording Coal HOLE ID. : RH 2360 NEUTR
 FIELD OFFICE : Fording Rvr. DATE OF LOG : 03/20/93
 DATA FROM : PROBE : 9055A
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

2360

7

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.8	0.80	0.00	0.00	0.0	0.0	0.0	0.0
10.8	10.80	0.04	-0.03	0.1	316.6	0.8	330.4
20.8	20.80	0.11	-0.10	0.1	317.4	1.7	276.5
30.8	30.79	0.09	-0.33	0.3	284.7	1.2	235.9
40.8	40.79	0.03	-0.58	0.6	273.1	1.4	255.3
50.8	50.78	-0.10	-0.93	0.9	263.8	2.5	249.4
60.8	60.77	-0.29	-1.33	1.4	257.9	2.7	239.0
70.8	70.76	-0.47	-1.77	1.8	255.0	3.1	234.5
80.8	80.75	-0.62	-2.25	2.3	254.5	2.7	254.5
90.8	90.73	-0.74	-2.78	2.9	255.1	3.7	256.4
100.8	100.71	-0.92	-3.36	3.5	254.7	3.1	231.7
110.8	110.70	-1.08	-3.89	4.0	254.5	3.1	252.5
120.8	120.68	-1.22	-4.43	4.6	254.6	3.3	251.1
130.8	130.67	-1.41	-4.98	5.2	254.2	3.4	250.8
140.8	140.65	-1.59	-5.51	5.7	253.9	3.0	251.3
150.8	150.64	-1.76	-6.01	6.3	253.7	2.9	250.8
160.8	160.62	-1.92	-6.51	6.8	253.6	3.1	248.7
170.8	170.61	-2.13	-6.99	7.3	253.1	3.1	241.2
180.8	180.59	-2.37	-7.48	7.8	252.4	3.0	240.6
190.8	190.58	-2.65	-7.94	8.4	251.5	3.4	238.5
200.8	200.56	-2.95	-8.40	8.9	250.6	3.2	234.5
210.8	210.55	-3.29	-8.88	9.5	249.7	3.7	233.5
220.8	220.52	-3.74	-9.45	10.2	248.4	4.2	226.6
230.8	230.49	-4.29	-9.99	10.9	246.8	4.3	244.7
232.5	231.98	-4.35	-10.07	11.0	246.6	0.0	0.0

CLIENT : Fording Coal HOLE ID. : R.H.2361
 FIELD OFFICE : G.O. DATE OF LOG : 03/05/93
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

Sandy's Log
 2301

ABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
10.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
20.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
30.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
40.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
50.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
60.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
70.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
80.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
90.0	89.89	-1.53	-2.98	3.3	242.8	2.5	211.6
100.0	99.88	-1.68	-3.44	3.8	244.0	3.6	275.7
110.0	109.86	-1.66	-4.09	4.4	247.9	3.7	271.1
120.0	119.83	-1.64	-4.77	5.0	251.0	4.0	262.6
130.0	129.81	-1.61	-5.44	5.7	253.5	4.0	268.5
140.0	139.79	-1.61	-6.04	6.2	255.1	3.6	279.9
150.0	149.77	-1.57	-6.68	6.9	256.8	3.4	276.0
160.0	159.75	-1.53	-7.30	7.5	258.2	3.1	274.8
170.0	169.74	-1.47	-7.80	7.9	259.3	2.6	294.4
180.0	179.73	-1.38	-8.30	8.4	260.6	2.9	284.9
190.0	189.71	-1.32	-8.79	8.9	261.5	3.0	276.4
200.0	199.71	-1.48	-8.85	9.0	260.5	1.1	187.4
210.0	209.71	-1.66	-8.87	9.0	259.4	0.7	185.0
220.0	219.70	-1.76	-9.06	9.2	259.0	2.4	251.0
230.0	229.70	-1.86	-9.44	9.6	258.9	2.2	239.8
240.0	239.69	-1.94	-9.62	9.8	258.6	0.5	82.1
250.0	249.69	-2.03	-9.66	9.9	258.1	1.8	183.2
260.0	259.69	-2.34	-9.68	10.0	256.4	1.7	197.3
270.0	269.68	-2.39	-9.56	9.9	255.9	0.1	289.3
280.0	279.68	-2.44	-9.65	10.0	255.8	0.9	254.8
290.0	289.68	-2.57	-9.82	10.1	255.3	1.7	237.2
300.0	299.68	-2.76	-10.05	10.4	254.7	2.0	225.3
310.0	309.67	-2.99	-10.28	10.7	253.8	2.0	219.2
320.0	319.66	-3.20	-10.57	11.0	253.1	2.2	252.6
330.0	329.65	-3.41	-10.96	11.5	252.7	3.1	236.5
333.5	332.95	-3.49	-11.11	11.6	252.6	0.0	0.0

I Logged this hole on the 5th, Top 80 meters did NOT compute. Compare to Rams Log done on the 3rd which I printed out from the div. Same hole number but does NOT look like the same hole
 Ram was through vada. NFG

2362

***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT : Fording Coal HOLE ID. : R.H.2362
 FIELD OFFICE : Fording Rvr. DATE OF LOG : 03/14/93
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 8

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	0.00	-0.00	0.0	327.7	2.7	327.7
10.0	9.99	0.11	-0.13	0.2	309.5	2.0	264.4
20.0	19.99	0.20	-0.24	0.3	308.7	2.6	182.2
30.0	29.98	-0.03	0.00	0.0	173.2	2.1	133.6
40.0	39.98	-0.21	0.18	0.3	139.7	1.5	144.2
50.0	49.97	-0.41	0.28	0.5	145.7	1.2	160.9
60.0	59.96	-0.79	0.33	0.9	157.2	2.7	159.9
70.0	69.95	-1.30	0.37	1.4	163.9	3.2	180.6
80.0	79.93	-1.83	0.22	1.8	173.2	4.9	238.2
90.0	89.90	-2.48	0.04	2.5	179.1	4.0	173.3
100.0	99.87	-3.18	0.07	3.2	178.8	4.2	177.0
110.0	109.84	-3.93	0.05	3.9	179.3	3.6	184.2
120.0	119.80	-4.72	-0.37	4.7	184.5	7.8	218.3
130.0	129.71	-5.75	-1.18	5.9	191.6	7.4	216.8
140.0	139.62	-6.88	-1.90	7.1	195.5	7.9	210.7
150.0	149.53	-8.06	-2.56	8.5	197.6	7.9	205.5
160.0	159.43	-9.26	-3.16	9.8	198.8	7.8	197.3
170.0	169.39	-10.19	-3.12	10.7	197.0	5.3	171.0
180.0	179.35	-11.06	-2.97	11.5	195.0	5.1	167.9
190.0	189.31	-11.93	-2.93	12.3	193.8	5.2	174.4
200.0	199.07	-12.77	-2.94	13.1	193.0	0.0	0.0
200.0	199.07	-12.77	-2.94	13.1	193.0	0.0	0.0

2363

***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT : Fording Coal HOLE ID. : RH 2363 GAMMA
 FIELD OFFICE : Fording Rvr. DATE OF LOG : 03/20/93
 DATA FROM : PROBE : 9055A 7
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.9	0.00	0.00	0.00	0.0	0.0	0.0	0.0
10.9	10.90	0.02	-0.02	0.0	310.6	0.4	353.0
20.9	20.90	0.10	-0.07	0.1	325.4	0.5	352.6
30.9	30.90	0.28	-0.15	0.3	331.6	1.8	322.6
40.9	40.89	0.46	-0.44	0.6	316.6	1.6	295.7
50.9	50.89	0.61	-0.72	0.9	310.4	1.8	298.3
60.9	60.88	0.77	-1.00	1.3	307.3	1.7	300.5
70.9	70.87	0.97	-1.34	1.7	305.8	2.7	299.5
80.9	80.86	1.10	-1.79	2.1	301.4	2.8	286.5
90.9	90.85	1.25	-2.25	2.6	299.1	2.9	281.7
100.9	100.84	1.34	-2.68	3.0	296.6	2.8	282.5
110.9	110.83	1.45	-2.99	3.3	295.8	2.1	294.1
120.9	120.83	1.58	-3.33	3.7	295.4	2.2	288.7
130.9	130.82	1.65	-3.71	4.1	293.9	2.3	270.7
140.9	140.82	1.68	-3.97	4.3	292.9	1.4	279.5
150.9	150.81	1.71	-4.20	4.5	292.1	1.1	274.7
160.9	160.81	1.71	-4.37	4.7	291.3	1.0	267.6
163.6	163.31	1.71	-4.40	4.7	291.2	0.0	0.0

2364

***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT : Fording Coal HOLE ID. : R.H.2364
 FIELD OFFICE : G.O. DATE OF LOG : 02/28/93
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 0

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
10.0	10.00	-0.03	-0.07	0.1	243.4	1.1	229.5
20.0	20.00	-0.17	-0.20	0.3	231.1	1.2	229.6
30.0	29.99	-0.27	-0.38	0.5	235.1	1.3	245.5
40.0	39.99	-0.46	-0.48	0.7	226.4	0.9	185.3
50.0	49.99	-0.51	-0.48	0.7	223.4	0.4	284.6
60.0	59.99	-0.53	-0.64	0.8	230.2	2.7	318.3
70.0	69.98	-0.59	-1.02	1.2	239.8	2.3	264.3
80.0	79.97	-0.62	-1.45	1.6	247.0	3.1	265.9
90.0	89.96	-0.46	-1.94	2.0	256.6	3.8	309.9
100.0	99.93	0.01	-2.53	2.5	270.3	4.6	306.7
110.0	109.89	0.51	-3.21	3.3	279.1	5.3	303.2
120.0	119.85	1.03	-3.98	4.1	284.6	5.6	301.7
130.0	129.80	1.59	-4.82	5.1	288.2	6.0	303.8
140.0	139.74	2.13	-5.72	6.1	290.5	5.8	303.6
150.0	149.68	2.68	-6.61	7.1	292.1	6.0	301.5
160.0	159.63	3.23	-7.53	8.2	293.2	6.2	306.2
170.0	169.56	3.76	-8.52	9.3	293.8	6.8	296.0
177.8	177.10	4.17	-9.36	10.2	294.0	0.0	0.0

RH # 2365

***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT : Fording Coal HOLE ID. : R.H.2365
 FIELD OFFICE : G.O. DATE OF LOG : 02/24/93
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-1.6	0.00	0.00	0.00	0.0	0.0	0.0	0.0
8.4	8.40	0.05	-0.07	0.1	304.3	0.9	316.0
18.4	18.40	0.13	-0.19	0.2	304.4	1.5	318.7
28.4	28.39	0.26	-0.42	0.5	302.1	1.6	291.1
38.4	38.39	0.38	-0.68	0.8	299.3	1.7	297.3
48.4	48.38	0.51	-0.97	1.1	297.9	1.8	296.6
58.4	58.38	0.60	-1.23	1.4	296.1	1.3	266.9
68.4	68.38	0.60	-1.45	1.6	292.5	1.0	289.4
78.4	78.38	0.62	-1.63	1.7	290.8	0.9	272.0
88.4	88.37	0.71	-1.93	2.1	290.3	2.3	281.4
98.4	98.36	0.81	-2.33	2.5	289.1	2.3	276.2
108.4	108.35	0.87	-2.71	2.8	287.7	1.7	268.7
118.4	118.34	0.97	-3.14	3.3	287.2	2.7	288.4
128.4	128.33	1.11	-3.68	3.8	286.8	3.5	282.5
138.4	138.31	1.27	-4.26	4.4	286.6	3.8	281.0
148.4	148.29	1.35	-4.86	5.0	285.5	3.0	269.7
158.4	158.27	1.37	-5.43	5.6	284.2	3.3	275.3
168.4	168.26	1.40	-6.02	6.2	283.1	3.2	282.4
178.4	178.24	1.45	-6.60	6.8	282.4	3.4	269.2
188.4	188.22	1.47	-7.23	7.4	281.5	3.9	275.7
198.4	198.20	1.41	-7.87	8.0	280.1	3.8	260.4
208.4	208.18	1.28	-8.53	8.6	278.6	3.7	268.3
218.4	218.15	1.14	-9.19	9.3	277.1	3.9	265.6
228.4	228.13	1.02	-9.86	9.9	275.9	4.1	259.9
238.4	238.10	0.91	-10.54	10.6	274.9	4.1	258.8
248.4	248.08	0.81	-11.21	11.2	274.1	3.7	260.0
258.4	258.05	0.66	-11.94	12.0	273.2	4.3	288.7
260.4	259.85	0.64	-12.07	12.1	273.0	0.0	0.0

PLAN VIEW
 COMPU-LOG DEVIATION

CLIENT: Fording Coal
 LOCATION: Eagle
 HOLE ID: R.H.2365
 DATE OF LOG: 02/24/93
 PROBE: 9055A 232



MAG DECL: 21.0

SCALE: 5 M/CM
 TRUE DEPTH: 259.75 M
 AZIMUTH: 273.0
 DISTANCE: 12.1 M
 + = 50 M INCR
 O = BOTTOM OF HOLE

2366

CLIENT : Fording Coal HOLE ID. : R.H.2366
 FIELD OFFICE : G.O. DATE OF LOG : 02/19/93
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 6

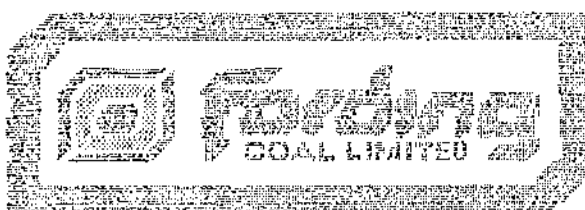
TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	0.00	-0.00	0.0	277.5	1.0	277.5
10.0	10.00	0.02	-0.07	0.1	287.6	1.1	332.4
20.0	20.00	0.18	-0.04	0.2	347.8	1.2	10.6
30.0	30.00	0.31	-0.01	0.3	359.1	0.7	350.6
40.0	40.00	0.39	0.07	0.4	10.7	0.5	38.3
50.0	50.00	0.38	0.12	0.4	16.9	0.2	104.9
60.0	59.99	0.28	-0.10	0.3	341.1	1.4	252.5
70.0	69.99	0.17	-0.32	0.4	298.8	1.3	240.9
80.0	79.99	0.04	-0.55	0.6	273.7	2.0	237.5
90.0	89.98	-0.09	-0.81	0.8	263.8	1.8	242.0
100.0	99.98	-0.20	-1.04	1.1	259.4	1.9	162.1
110.0	109.98	-0.25	-1.03	1.1	256.4	0.4	142.7
120.0	119.98	-0.29	-0.99	1.0	253.9	0.5	119.0
130.0	129.98	-0.28	-0.94	1.0	253.5	0.1	28.1
140.0	139.98	-0.34	-0.94	1.0	249.9	1.2	173.1
150.0	149.97	-0.54	-0.89	1.0	238.7	1.3	148.2
160.0	159.97	-0.73	-0.69	1.0	223.3	2.1	117.3
170.0	169.96	-0.84	-0.34	0.9	201.7	2.2	108.8
180.0	179.96	-0.96	0.01	1.0	179.2	2.1	107.2
190.0	189.95	-1.13	0.28	1.2	166.0	1.3	127.7
200.0	199.95	-1.32	0.51	1.4	159.0	1.8	119.1
202.8	202.54	-1.39	0.56	1.5	158.1	0.0	0.0

2368

***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT : Fording Coal HOLE ID. : R.H.2368
 FIELD OFFICE : Fording Rvr. DATE OF LOG : 03/22/93
 DATA FROM : PROBE : 9055A 7
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANBB
0.0	-0.00	-0.02	0.00	0.0	177.5	1.5	199.4
10.0	10.00	-0.05	-0.02	0.1	201.3	0.4	286.9
20.0	20.00	-0.04	-0.11	0.1	249.9	0.9	287.1
30.0	30.00	-0.01	-0.32	0.3	267.6	1.9	279.4
40.0	39.99	-0.04	-0.66	0.7	266.9	2.6	260.9
50.0	49.98	-0.14	-1.09	1.1	262.6	2.7	247.4
60.0	59.97	-0.29	-1.52	1.5	259.2	2.5	248.1
70.0	69.97	-0.35	-1.75	1.8	258.7	0.6	248.4
80.0	79.97	-0.42	-1.85	1.9	257.3	0.7	188.8
90.0	89.96	-0.55	-1.82	1.9	253.3	0.8	146.1
100.0	99.96	-0.70	-1.69	1.8	247.4	1.2	132.0
110.0	109.96	-0.88	-1.51	1.7	239.7	1.9	129.8
120.0	119.95	-1.05	-1.23	1.6	229.5	2.0	116.1
130.0	129.95	-1.19	-0.84	1.5	215.3	2.9	108.7
140.0	139.93	-1.36	-0.33	1.4	193.8	2.7	100.3
150.0	149.91	-1.49	0.24	1.5	170.7	3.4	92.4
160.0	159.89	-1.57	0.91	1.8	149.9	4.1	95.6
170.0	169.86	-1.64	1.65	2.3	134.7	4.1	94.8
180.0	179.84	-1.68	2.37	2.9	125.3	4.1	94.4
190.0	189.80	-1.71	3.17	3.6	118.4	5.0	90.9
200.0	199.76	-1.78	4.10	4.5	113.4	5.8	92.7
210.0	209.70	-1.87	5.19	5.5	109.8	6.6	94.2
220.0	219.63	-1.97	6.37	6.7	107.2	7.2	97.0
230.0	229.54	-2.15	7.68	8.0	105.6	8.1	94.6
240.0	239.44	-2.29	9.08	9.4	104.2	8.4	95.8
250.0	249.34	-2.41	10.46	10.7	103.0	7.9	93.0
260.0	259.25	-2.50	11.81	12.1	102.0	7.5	92.9
270.0	269.16	-2.58	13.14	13.4	101.1	8.0	95.7
280.0	279.06	-2.71	14.57	14.8	100.5	8.2	95.5
290.0	288.96	-2.82	15.98	16.2	100.0	7.7	90.1
300.0	298.87	-2.84	17.34	17.6	99.3	7.9	90.8
310.0	308.76	-2.78	18.76	19.0	98.4	8.6	87.2
320.0	318.64	-2.67	20.31	20.5	97.5	9.3	84.6
330.0	328.49	-2.48	22.01	22.2	96.4	10.0	83.1
340.0	338.35	-2.25	23.70	23.8	95.4	10.0	81.5
343.3	341.40	-2.17	24.22	24.3	95.1	0.0	0.0



153855.77
23664.71
1708.39

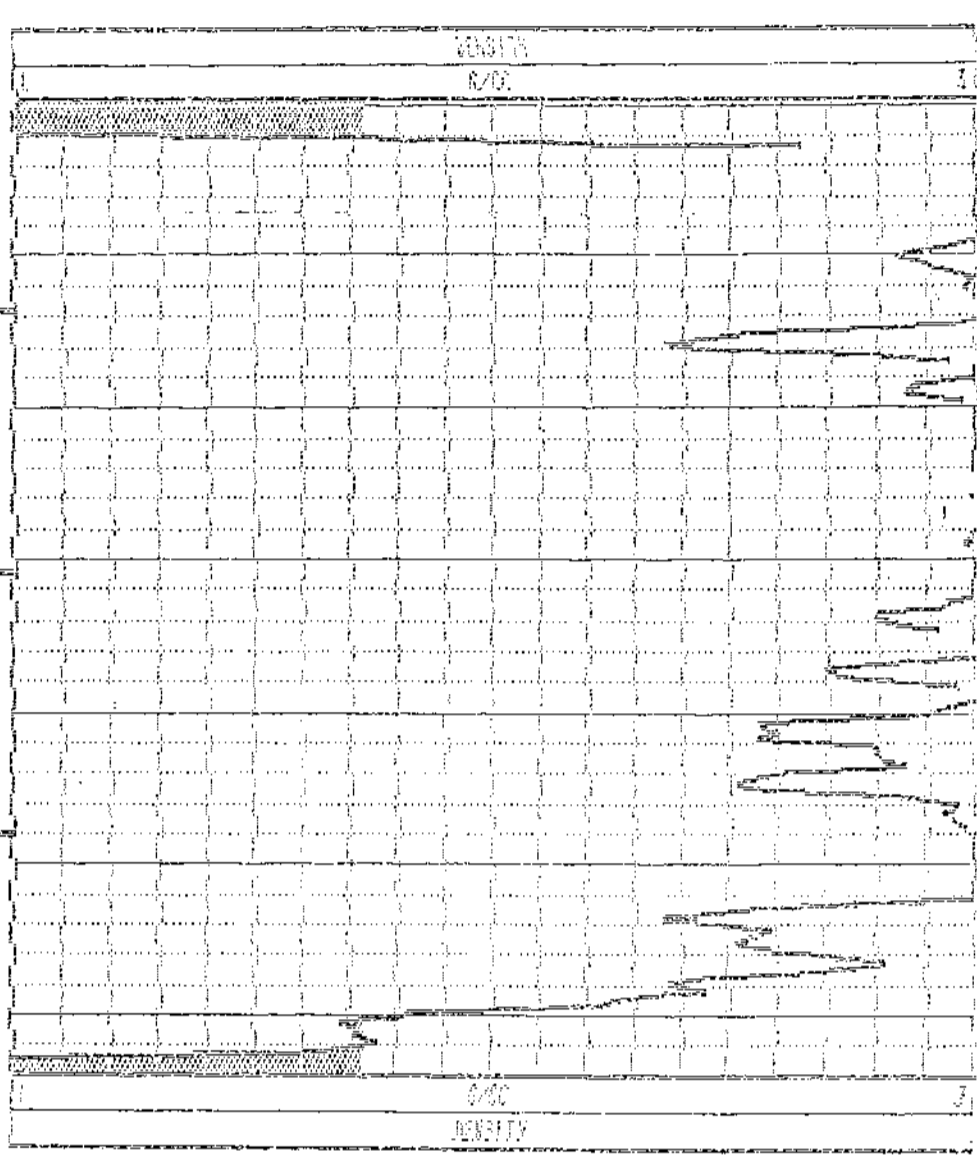
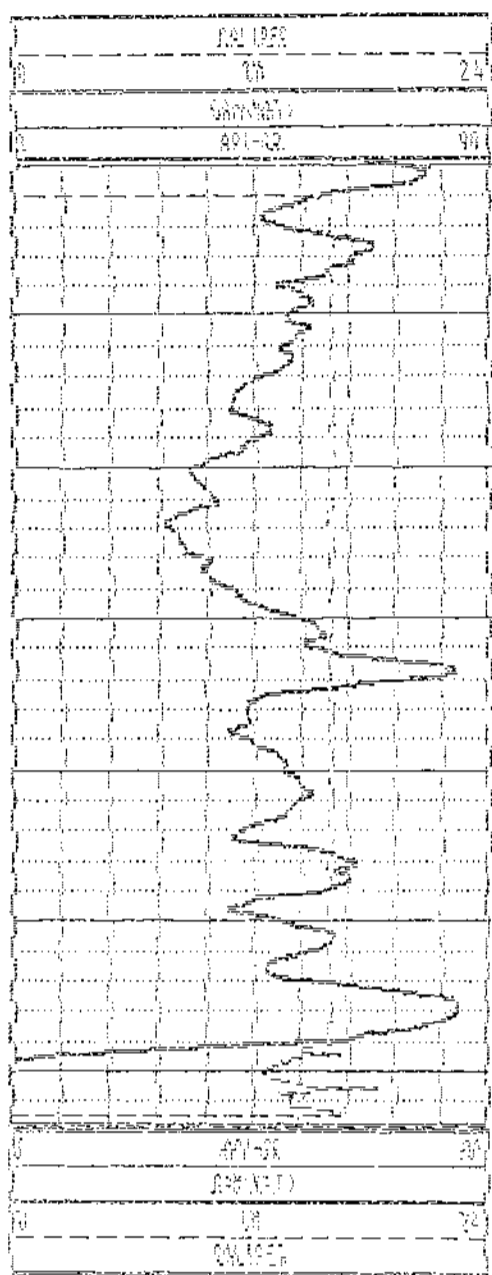
2374

see gamma
log.

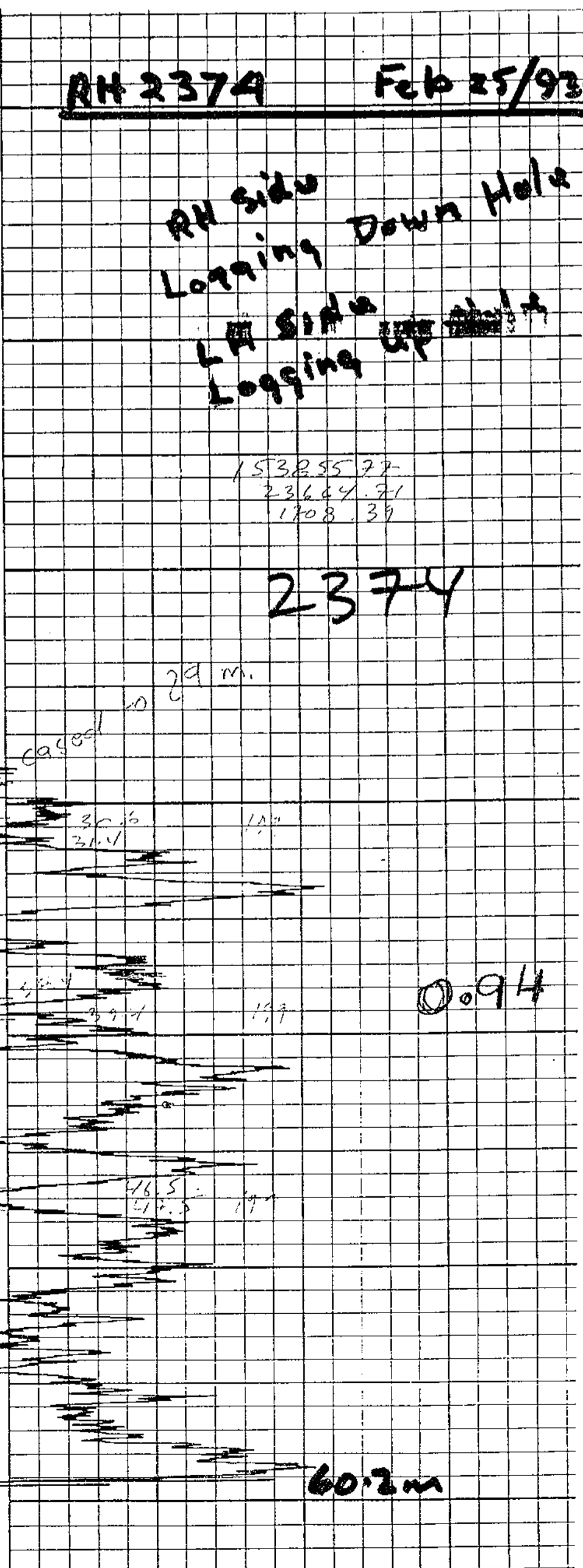
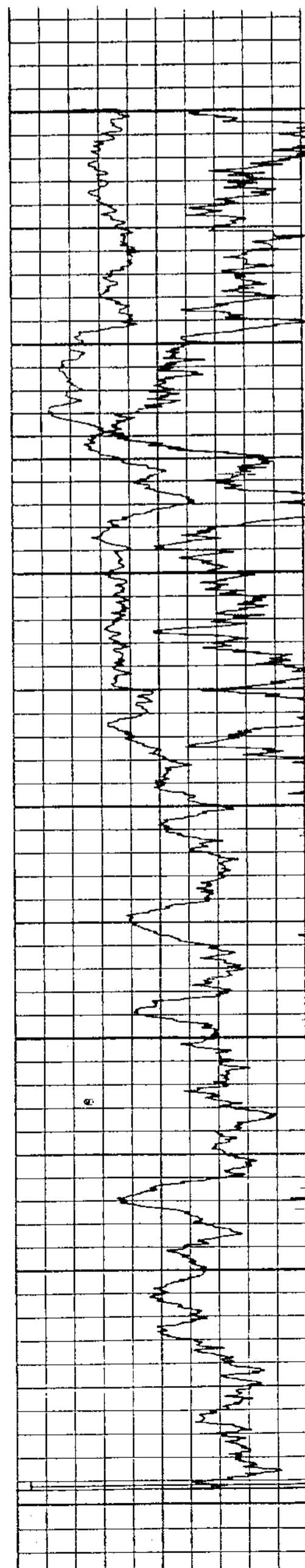
GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H.2374	RH2374	
LOCATION/FIELD	: Henretta	Henretta	
COUNTY	:	Density	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE
DATE	: 02/25/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 46m	ELEV. PERM. DATUM:	RF :
LOG BOTTOM	: 32.00	LOG MEASURED FROM:	C.A. :
LOG TOP	: -1.10	BRL MEASURED FROM:	CL :
CASING DRILLER	: 21	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .025	RECORDED BY	: Sandy
BIT SIZE	: 12	ROTBHOLE FLUID	: W 20
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9030AA
		LOG	: 4
		PLST	: 9030AA 0
		THRESH:	

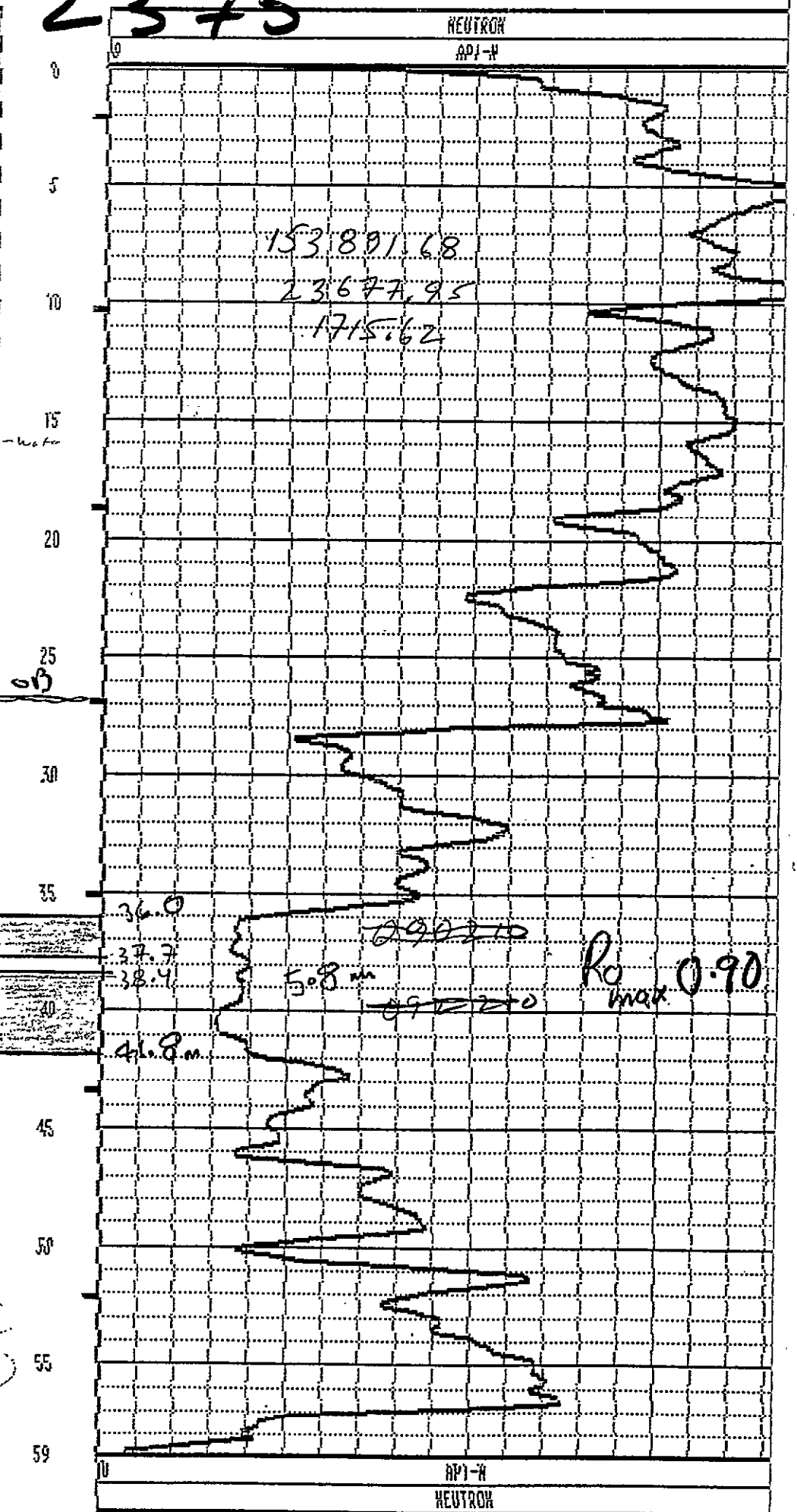
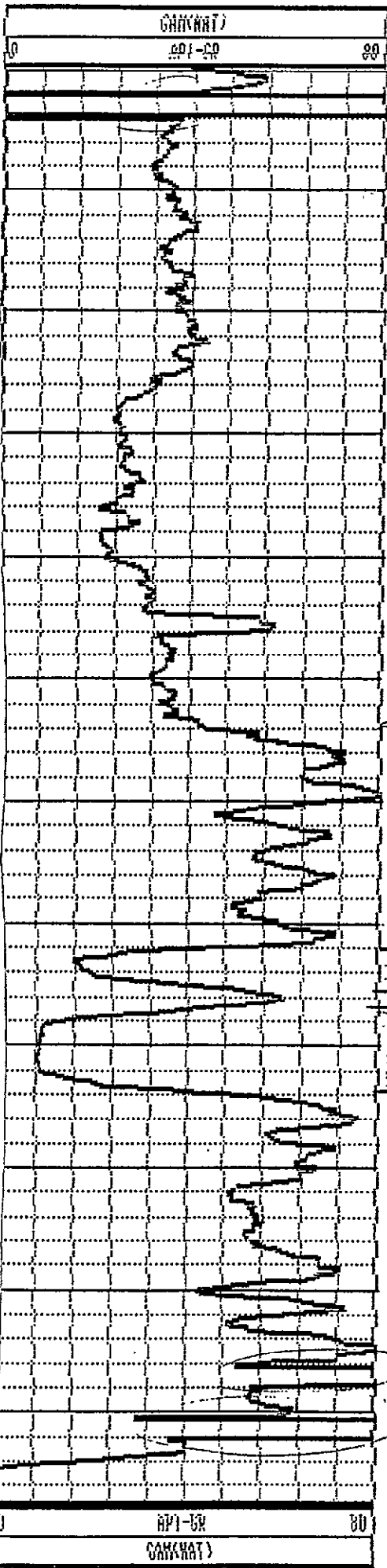
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



R.H.2374 02/25/93 440



2375





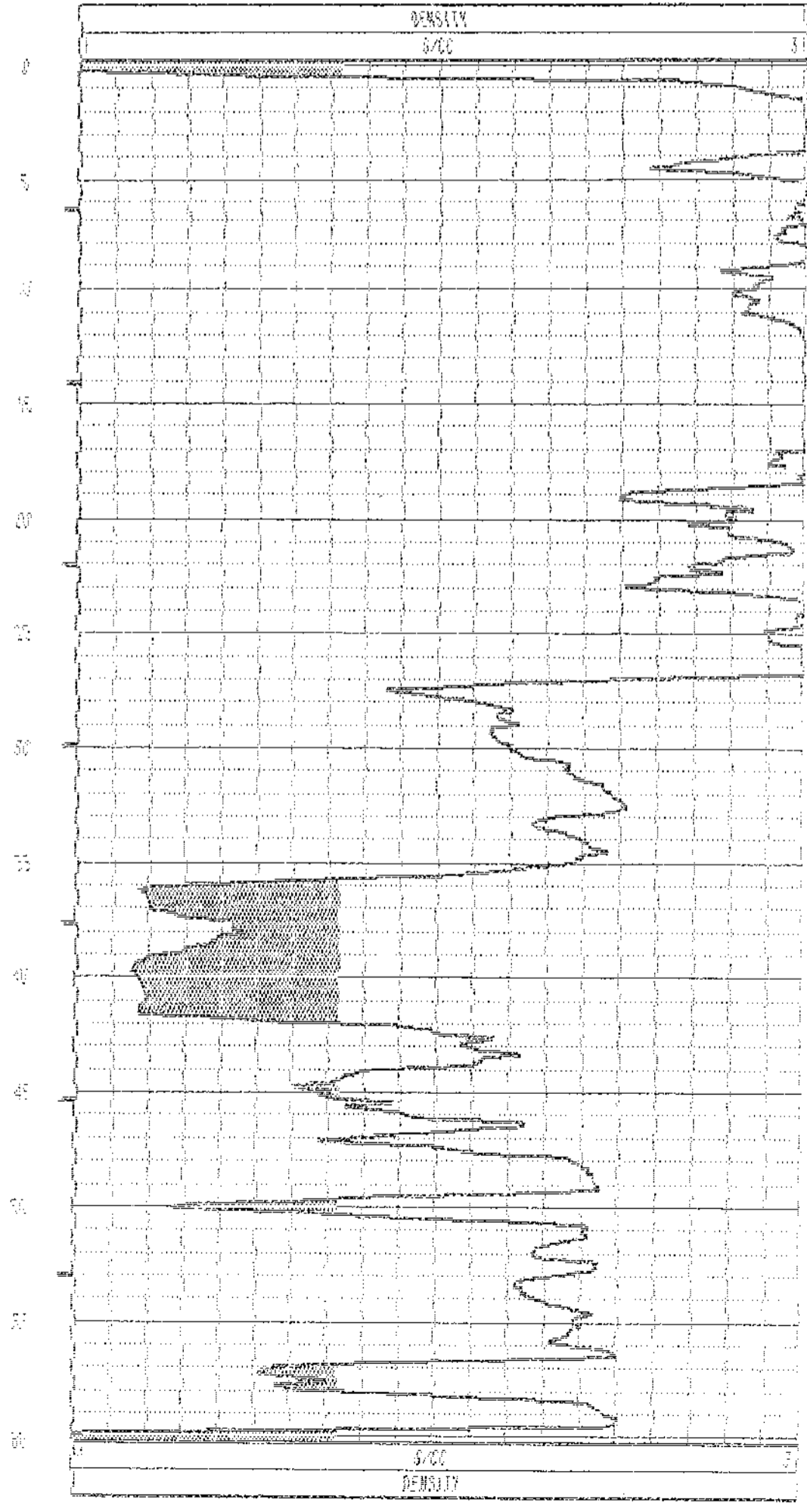
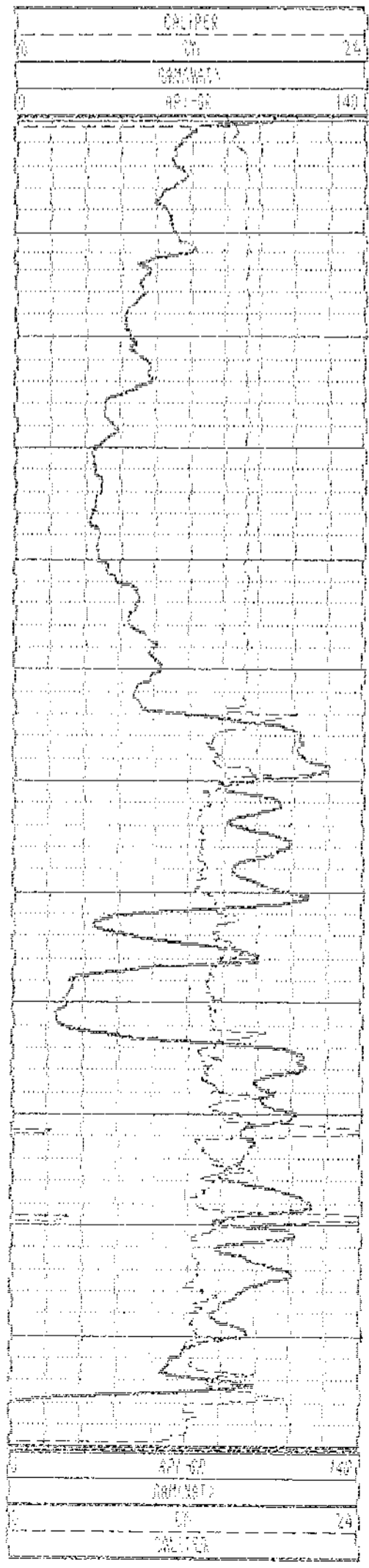
CANNA-RES-DENSITY

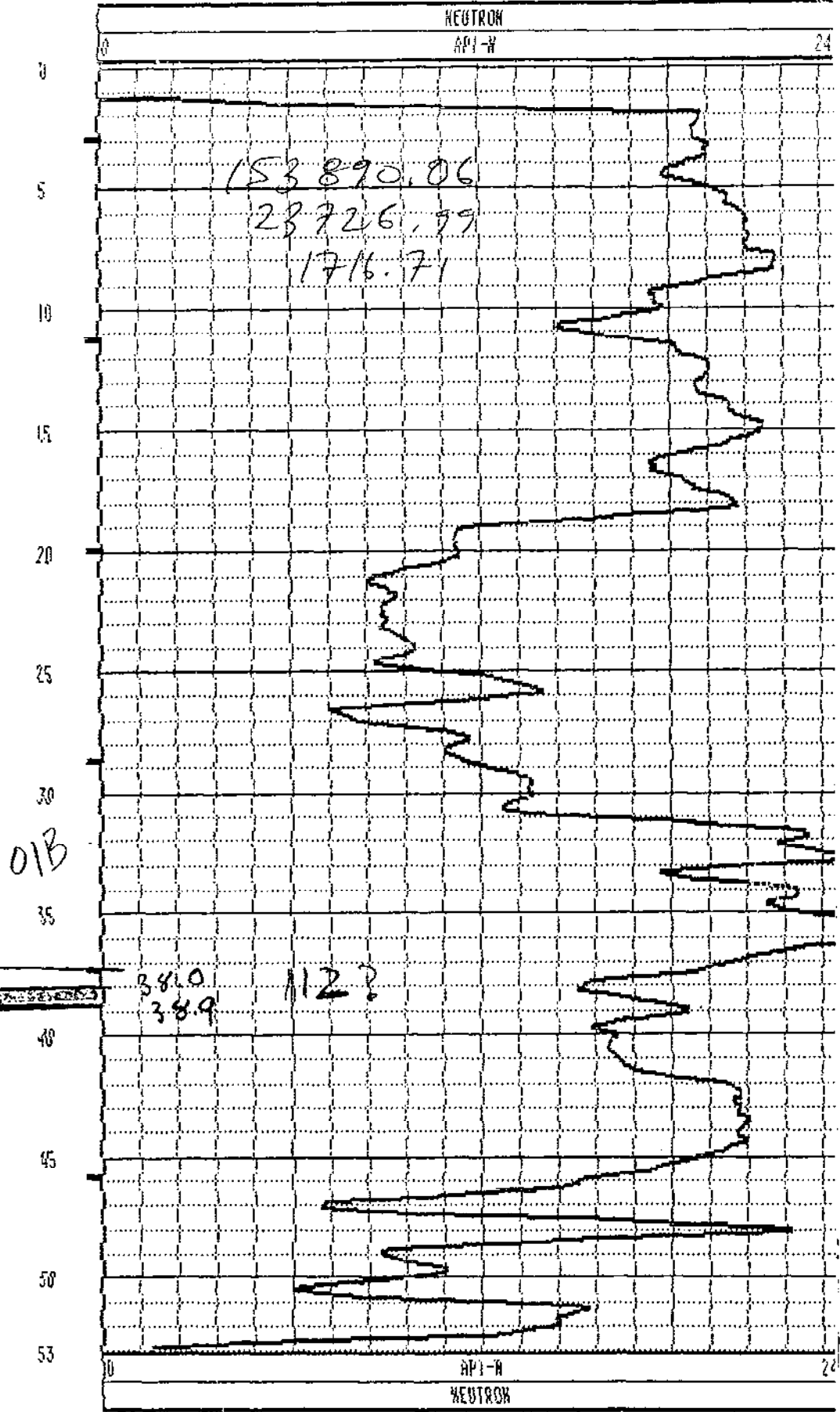
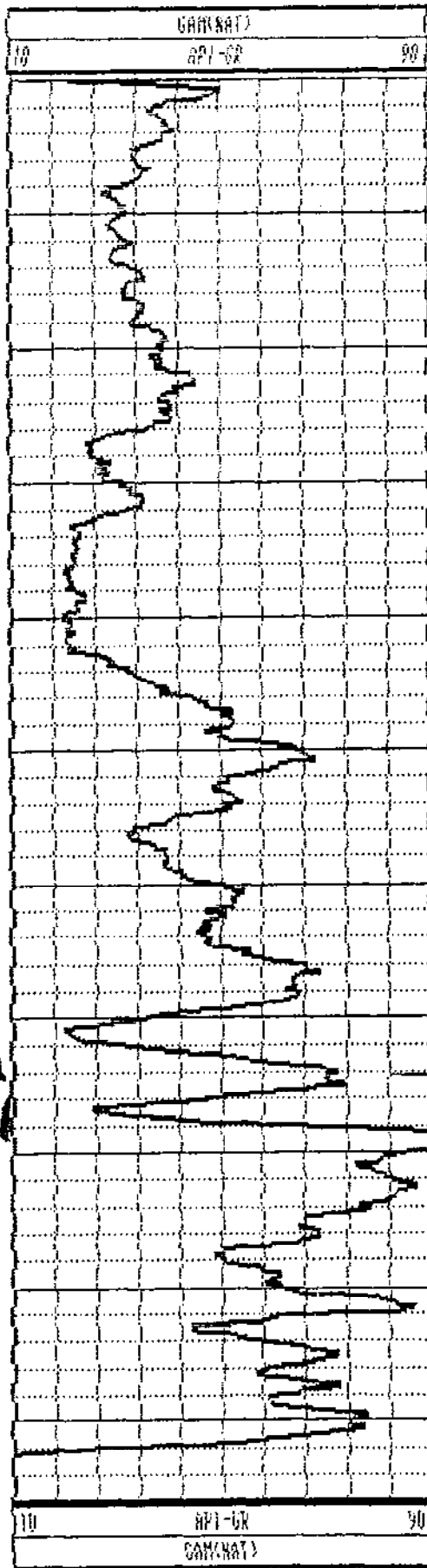
RH 2375

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: N.R. 2375	RH2375	
LOCATION/FIELD	: Hamretta	Hamretta	
COUNTY	:	Density	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 82/26/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 60r	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 60.00	LOG MEASURED FROM:	G.L. DF :
LOG TOP	: -1.80	BRL MEASURED FROM:	GL :
CASING DRILLER	: 21	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.325	RECORDED BY	: Sande
BIT SIZE	: 12	BOREHOLE FLUID	: H 2a FILE : ORIGINAL
MAGNETIC WELL	: 21	RM	: TYPE : 98300A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 5
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 98300A 8
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

Wala Open To 57.30 Feb. 26/93

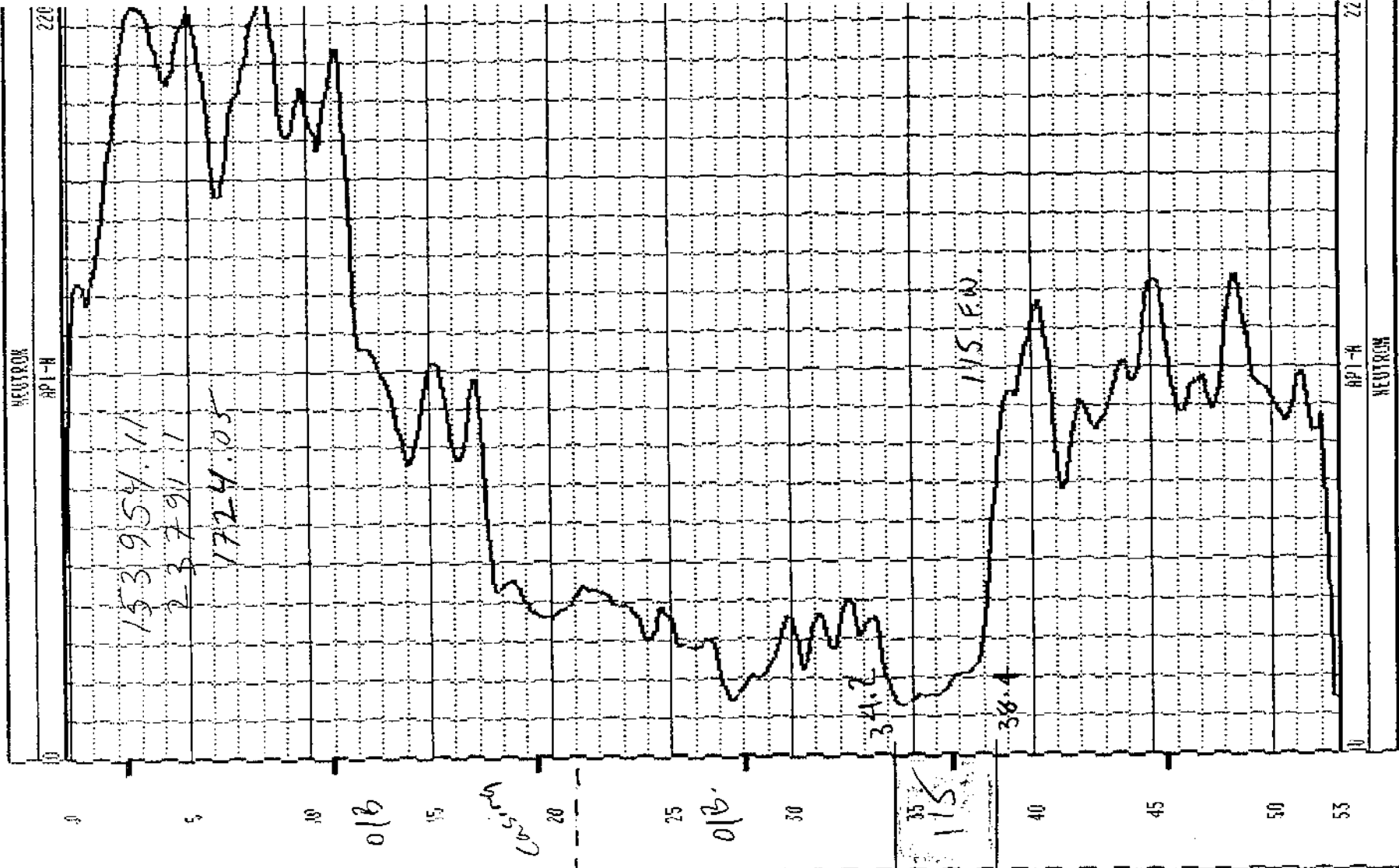
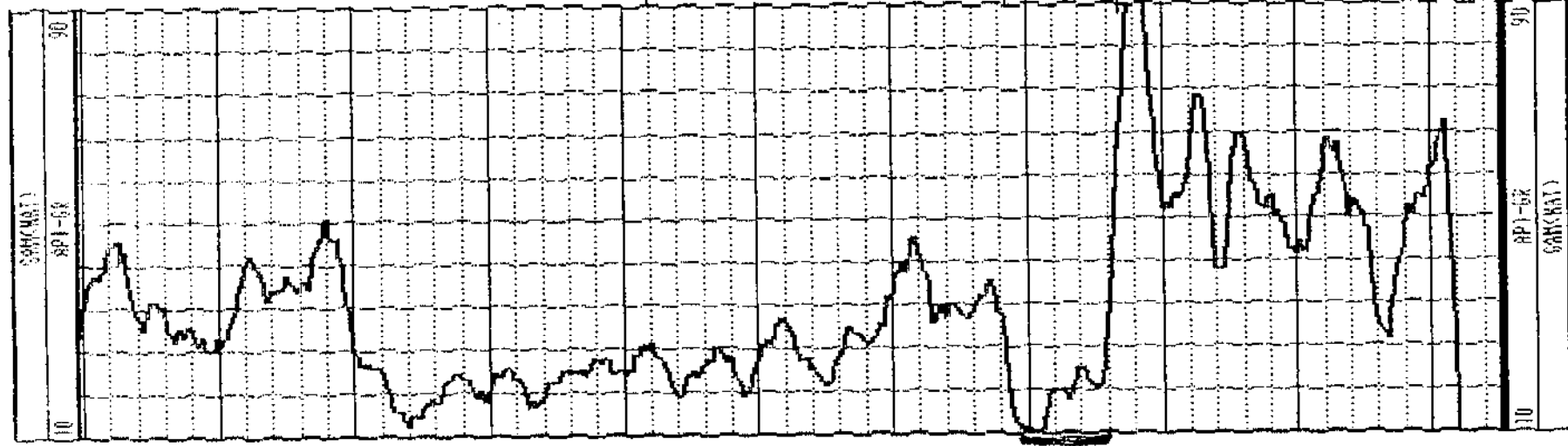
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





RH 2376 HENRETTA 02/14/93 232

2376

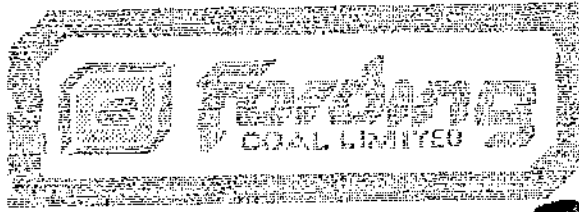


R.H.2377 02/13/93 232

HENRETTA

2377

153 992.36
23 825.77
1725.12



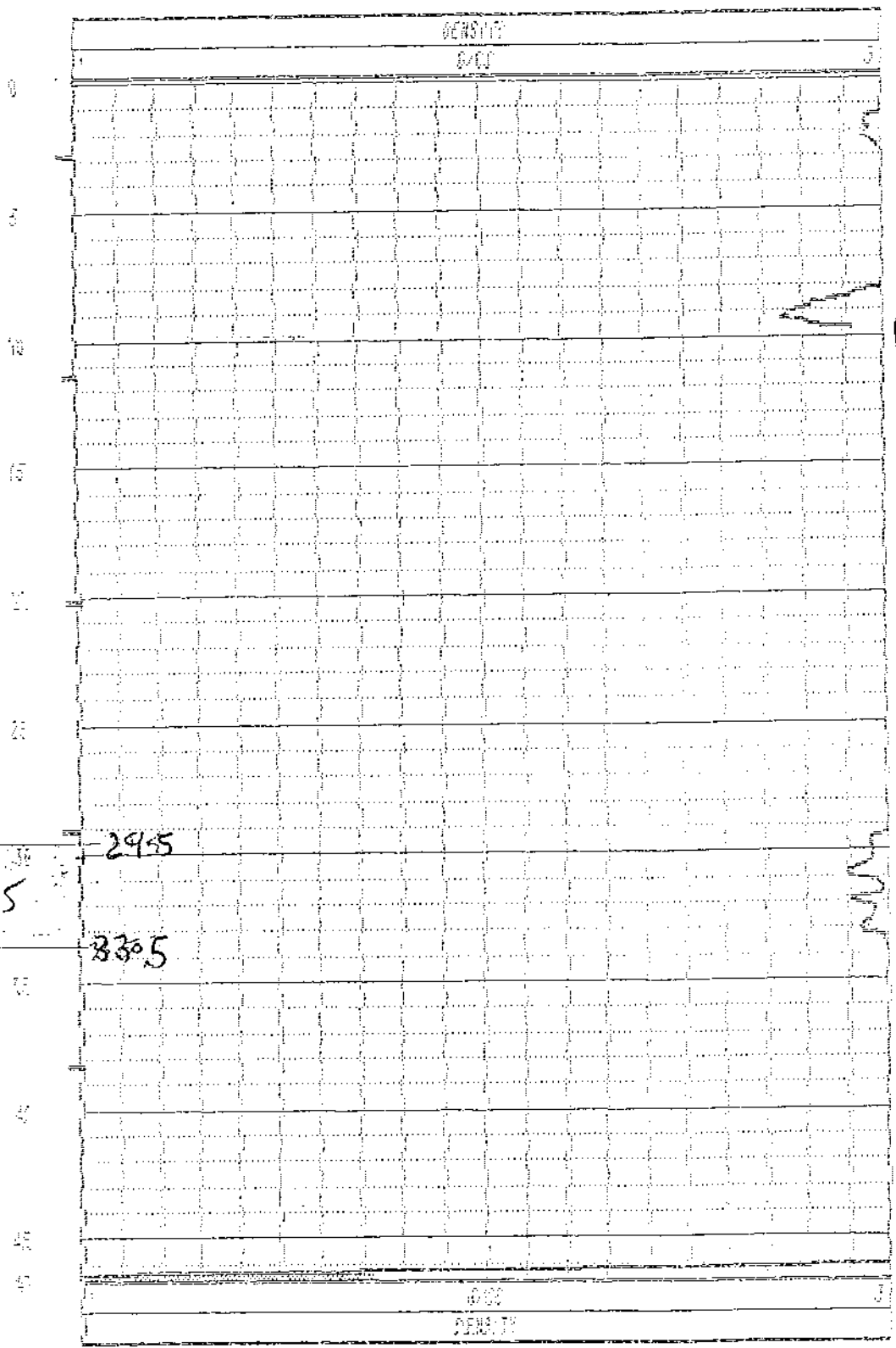
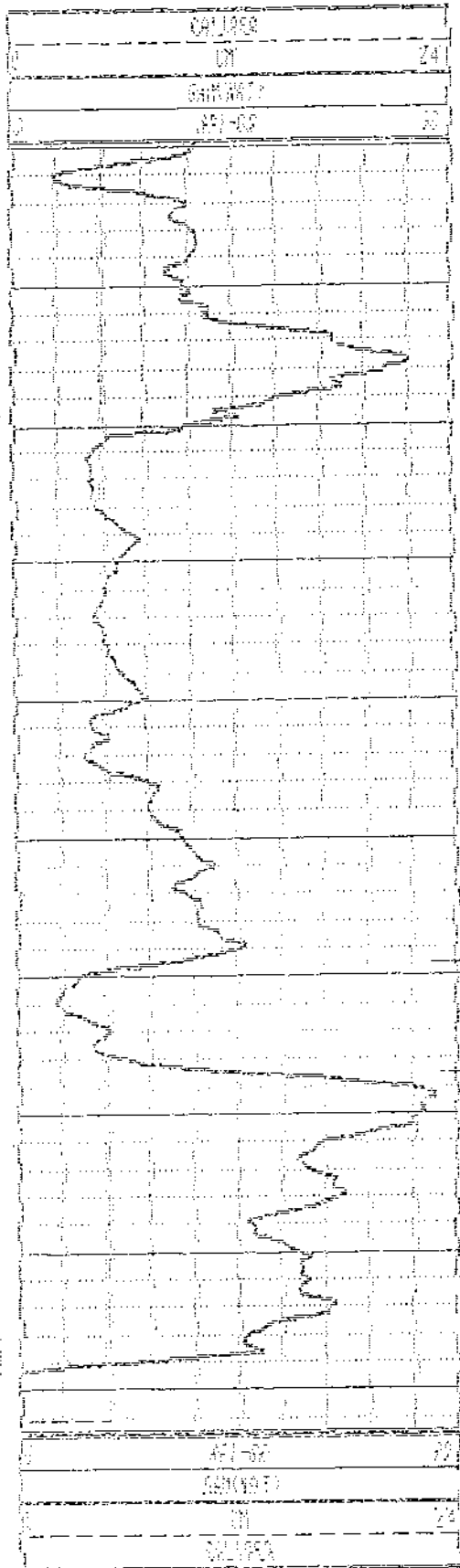
2378

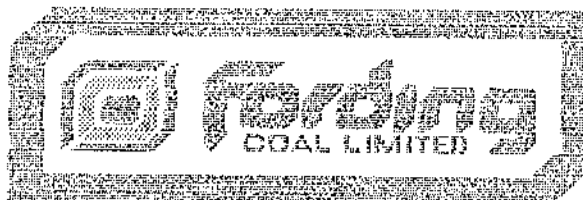
GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H.2378	RH2378	
LOCATION/FIELD	: Hewetta	Hewetta	
DEPTH	:	G/M Log	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE
DATE	: 02/25/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 40m	ELEV. PERM. DATUM:	KB
LOG BOTTOM	: 49.70	LOG MEASURED FROM: G.S.	DF
LOG TOP	: -2.50	URL MEASURED FROM:	GL
LOGGING DRILLER	: R1	LOGGING UNIT	: 379
LOGGING TYPE	: steel	FIELD OFFICE	: G.O.
LOGGING THICKNESS	: .023	RECORDED BY	: Sandy
BIT SIZE	: 12	BOREHOLE FLUID	: M 20
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:		

Through Steel Log using 9939 Tool

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GAMMA-NEUTRON

RH # 2379

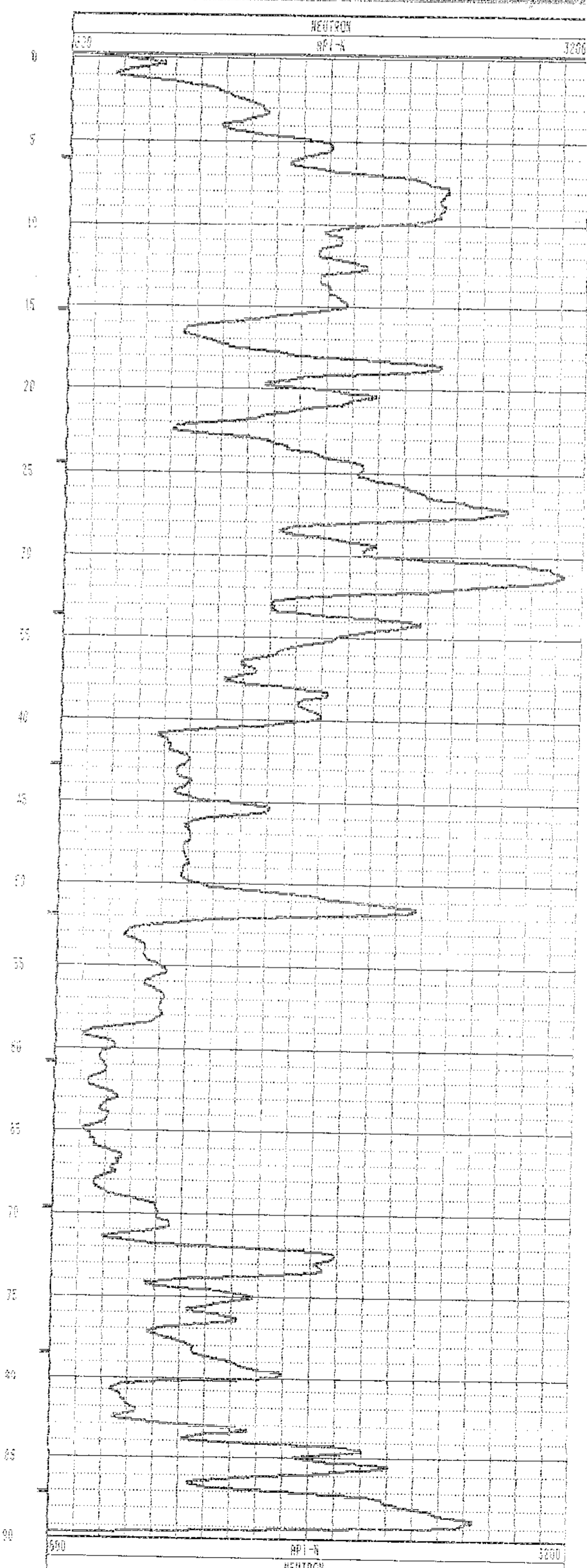
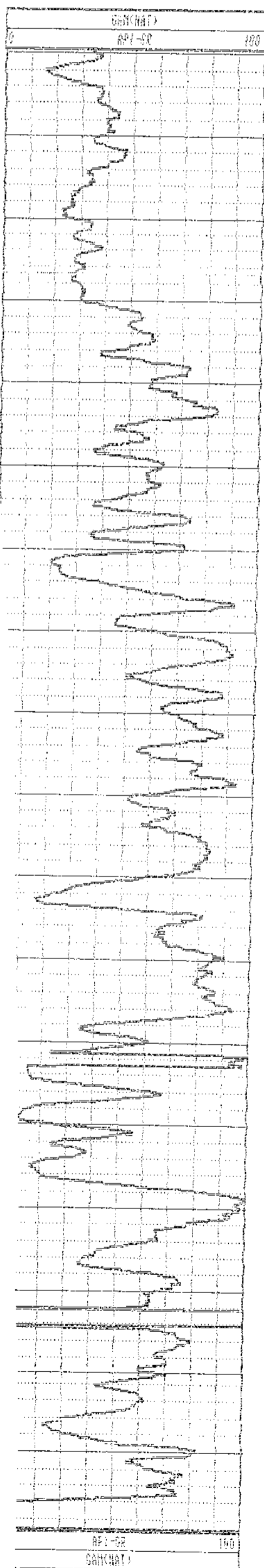
COMPANY : Fording Coal
 WELL : R.H.2379
 LOCATION/FIELD : Henretta
 COUNTY :
 STATE :
 SECTION :

OTHER SERVICES:
 RH2379
 Henretta
 C/W Log

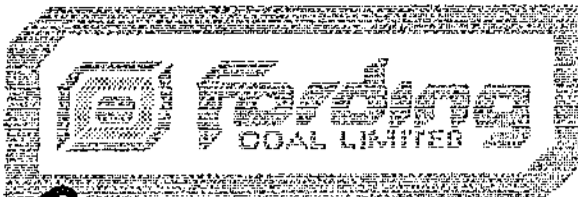
TOWNSHIP : RANGE :
 DATE : 02/27/93 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 91 ELEV. PERM. DATUM: RE :
 LOG BOTTOM : 89.80 LOG MEASURED FROM: C.L. DF :
 LOG TOP : -2.70 DRL MEASURED FROM: GL :
 CASING DRILLER : 21 LOGGING UNIT : 379
 CASING TYPE : steel FIELD OFFICE : G.O.
 CASING THICKNESS: .025 RECORDED BY : Sande

BIT SIZE : 12 BOREHOLE FLUID : H₂O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9855A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 0
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9855A 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

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2379



154020.26
23758.85
1723.76

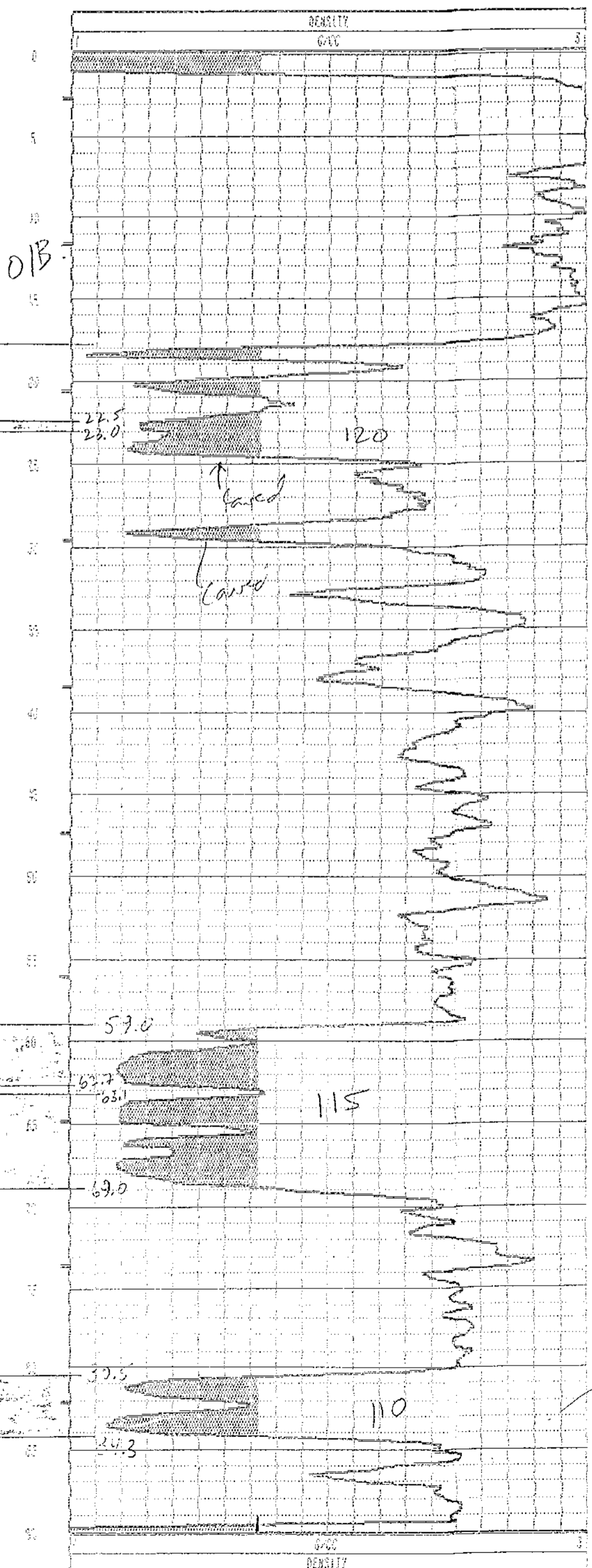
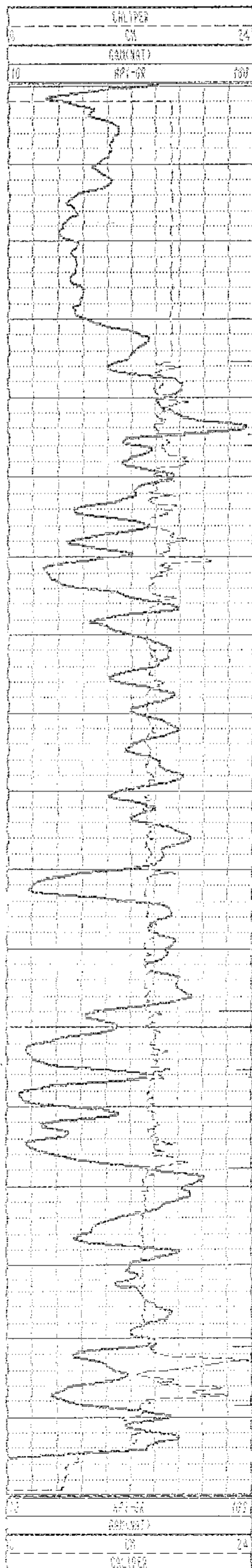
2379

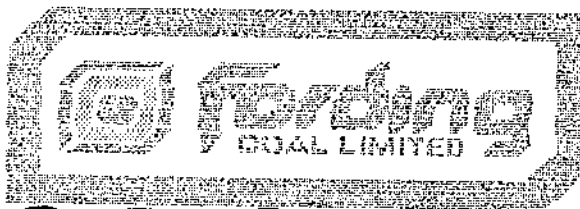
GAMMA-RAY-DENSITY

COMPANY	: Fordina Coal	OTHER SERVICES:	
WELL	: R.H.2379		RH2379
LOCATION/FIELD	: Henretta		Henretta
COUNTY	:		Density
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 02/27/93	PERMANENT DATUM	:
DEPTH DRILLER	: 91	ELEV. PERM. DATUM:	KB
LOG BOTTOM	: 99.10	LOG MEASURED FROM: G.L.	DF
LOG TOP	: -1.10	DRL MEASURED FROM:	GL
CASING DRILLER	: 21	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.025	RECORDED BY	: Sande
BIT SIZE	: 12	BOREHOLE FLUID	: H 2c
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 903000
		LOG	: F
		PLOT	: 903000 0
		THRESH:	

Hole Open To 87.17 Feb.27/93

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154027.23
23861.38
1727.04

2380

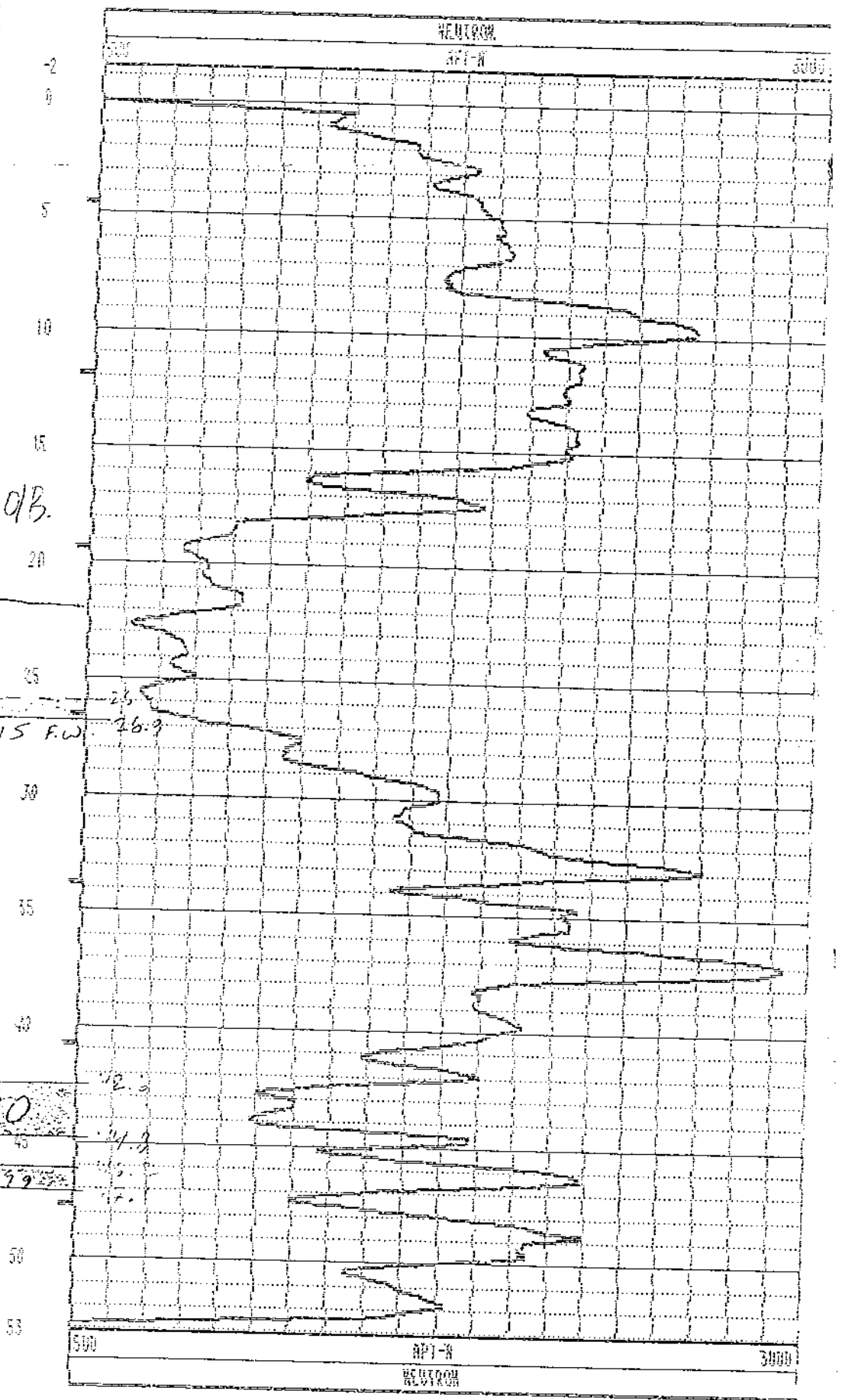
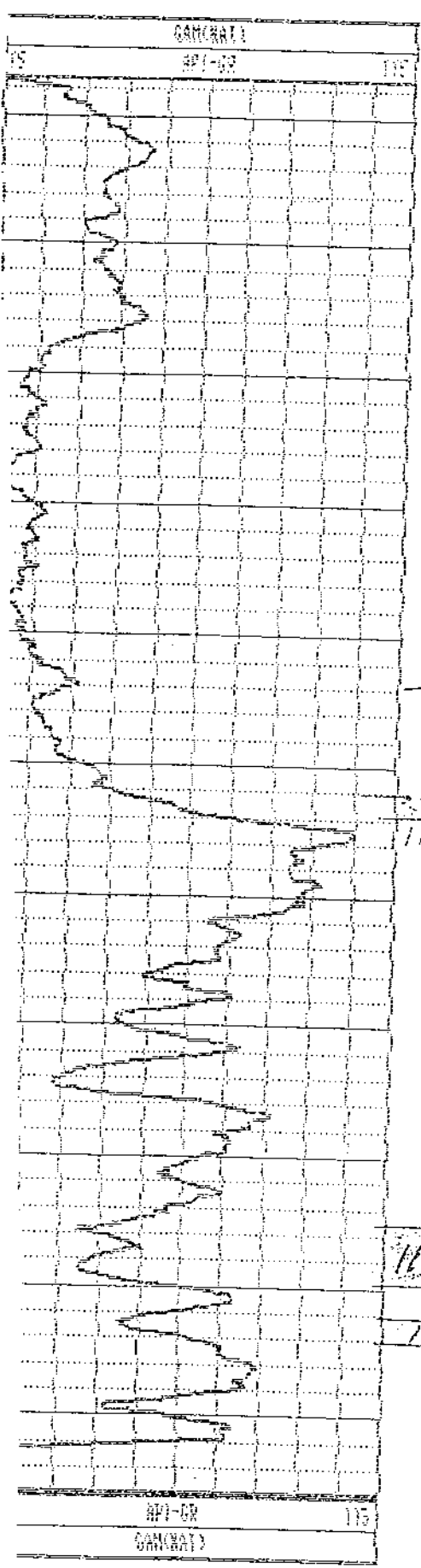
GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : RH 2380 HENRETTA
 LOCATION/FIELD : Taylor
 COUNTY :
 STATE :
 SECTION :
 TOWNSHIP :
 RANGE :
 DATE : 02/23/93 PERMANENT DATUM :
 DEPTH DRILLER : 36 ELEV. PERM. DATUM:
 LOG BOTTOM : 59.18 LOG MEASURED FROM: G.L.
 LOG TOP : -1.20 DRL MEASURED FROM:
 CASING DRILLER : 21 LOGGING UNIT : 379
 CASING TYPE : steel FIELD OFFICE : G.O.
 CASING THICKNESS: .825 RECORDED BY : I.J. OLIVER
 BIT SIZE : 12 BOREHOLE FLUID : H 20
 MAGNETIC DECL. : 21 RN
 MATRIX DENSITY : RN TEMPERATURE :
 FLUID DENSITY : MATRIX DELTA T :
 NEUTRON MATRIX : FLUID DELTA T :
 REMARKS :
 DENSITY :

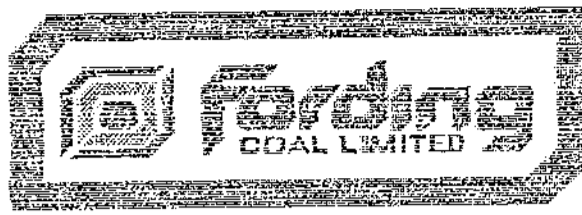
OTHER SERVICES:
 RH 2375
2380

ELEVATIONS
 KB :
 DF :
 CL :
 FILE : ORIGINAL
 TYPE : 9055A
 LOG : 3
 PLOT : 9055A 0
 THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2381



154054.02
23906.01
1732.61

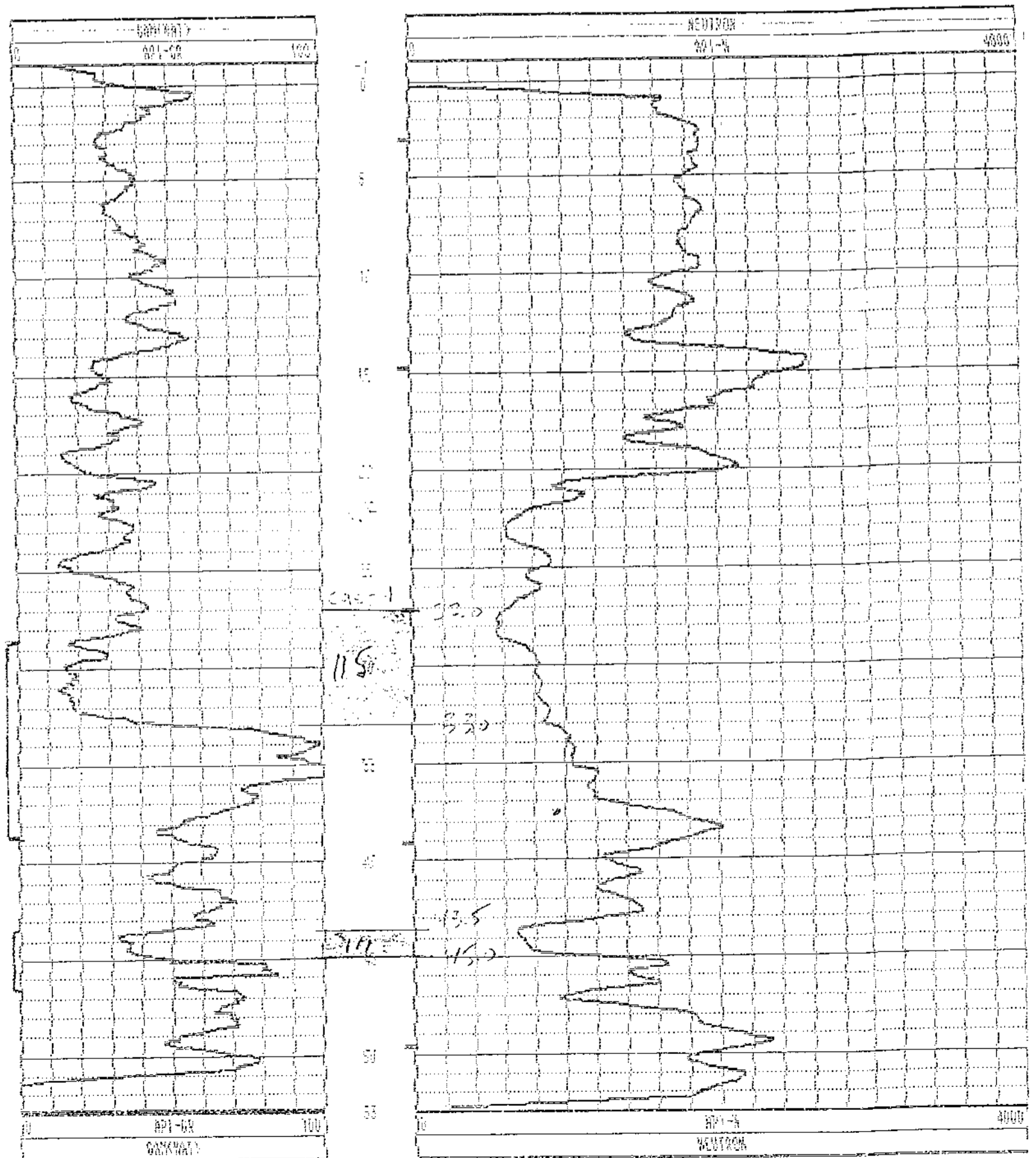
GAMMA-NEUTRON

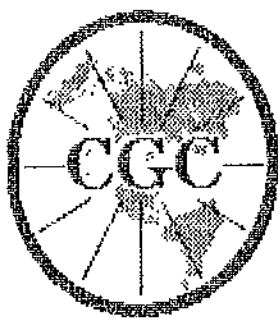
COMPANY : Fording Coal
WELL : RH 2381
LOCATION/FIELD : Taylor
COUNTY :
STATE :
SECTION :
DATE : 02/23/93
DEPTH DRILLER : 30
LOG BOTTOM : 53.00
LOG TOP : -2.80
CASING DRILLER : 21
CASING TYPE : steel
CASING THICKNESS : .825
BIT SIZE : 12
MAGNETIC DECL. : 21
MATRIX DENSITY :
FLUID DENSITY :
NEUTRON MATRIX :
REMARKS :
GAMMA GAMMA

OTHER SERVICES:
RH 2381
2381

TOWNSHIP : RANGE :
PERMANENT DATUM : ELEVATIONS
ELEV. PERM. DATUM: KB :
LOG MEASURED FROM: G.L. DF :
DRL MEASURED FROM: GL :
LOGGING UNIT : 379
FIELD OFFICE : G.O.
RECORDED BY : I.J. OLIVER
BOREHOLE FLUID : H 2o FILE : ORIGINAL
RM : TYPE : 9055A
RM TEMPERATURE : LOG : 1
MATRIX DELTA T : PLOT : 9055A 0
FLUID DELTA T : THRESH:

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GAMMA-RES-DENSITY

COMPANY : F.C.C. FORDING RIVER
 WELL : RH-2381
 LOCATION/FIELD : ELKFORD
 COUNTY : ELKFORD
 STATE : B.C.
 SECTION :

OTHER SERVICES:

RH 2381

DATE : 02/24/93
 DEPTH DRILLER : 90.0
 LOG BOTTOM : 53.79
 LOG TOP : 0.70

TOWNSHIP :
 RANGE :
 PERMANENT DATUM : GL
 ELEV. PERM. DATUM: KB :
 LOG MEASURED FROM: GL DF :
 DRL MEASURED FROM: GL GL :

ELEVATIONS
 KB :
 DF :
 GL :

CASING DRILLER : 0
 CASING TYPE : STEEL
 CASING THICKNESS: .125

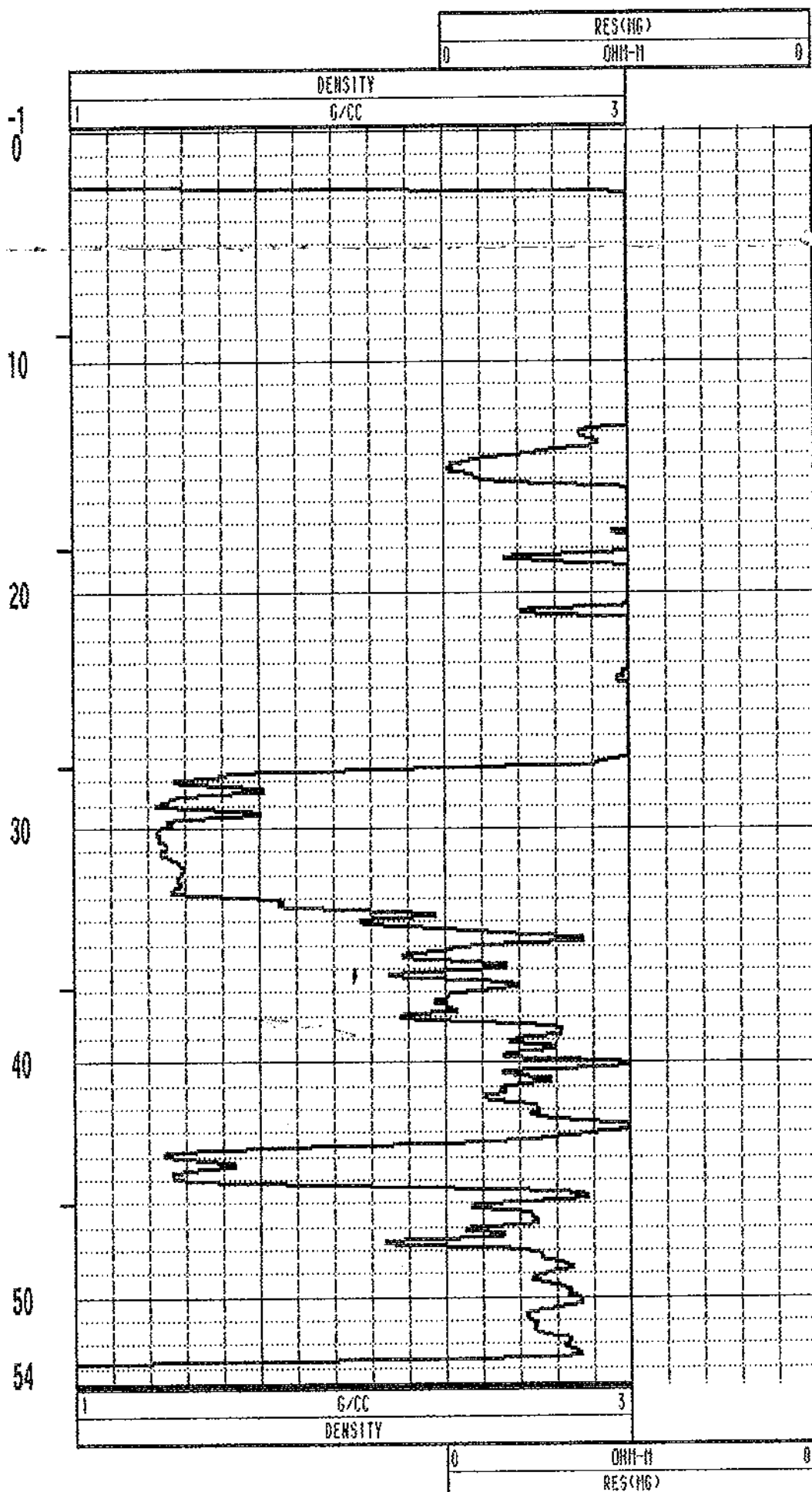
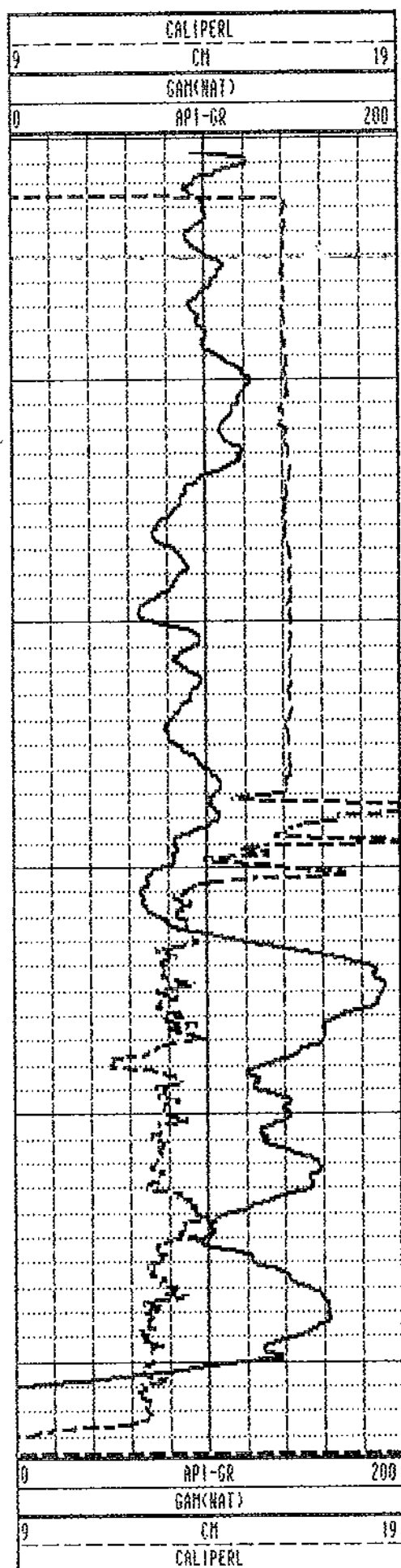
LOGGING UNIT : 8903
 FIELD OFFICE : CALGARY
 RECORDED BY : D. MacNeill

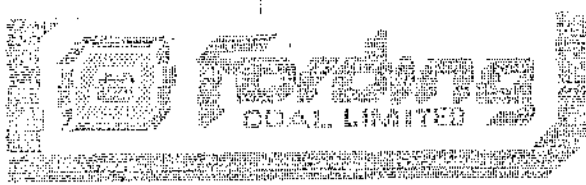
BIT SIZE : 13.4
 MAGNETIC DECL. : 20.0
 MATRIX DENSITY : 2.65
 FLUID DENSITY : 1.0
 NEUTRON MATRIX : SANDSTONE
 REMARKS :
 OPEN HOLE

BOREHOLE FLUID : WATER
 RM : 0.0
 RM TEMPERATURE : 0
 MATRIX DELTA T : 173
 FLUID DELTA T : 690

FILE : ORIGINAL
 TYPE : 9030AA
 LOG : 1
 PLOT : FORDING 5
 THRESH: 10000

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GAMMA RAY DENSITY

RH#2382

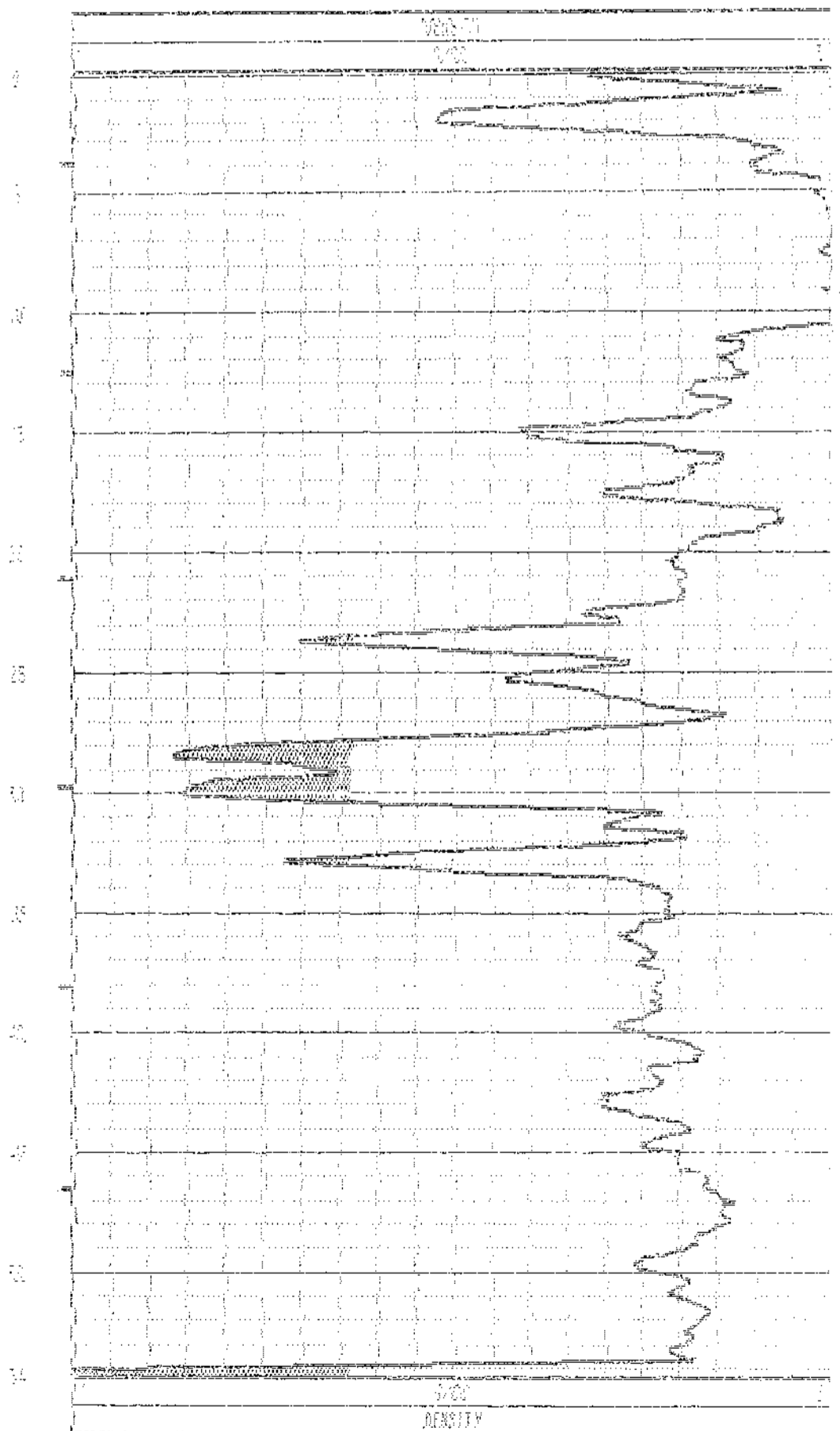
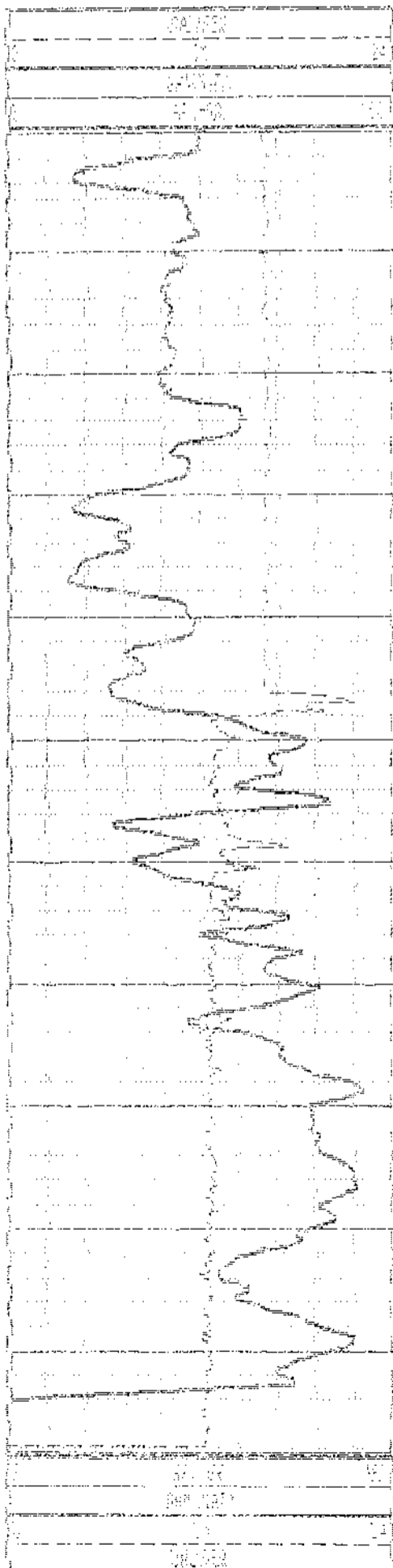
COMPANY : Funding Coal
 WELL : R.H. 2382
 LOCATION/FIELD : Henretta
 COUNTY :
 STATE :
 SECTION :

OTHER SERVICES:
 RH2382
 Henretta
 G/A Log

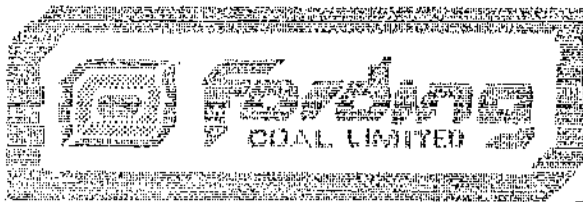
TOWNSHIP : RANGE :
 DATE : 02/24/93 PERMANENT DATUM : ELEVATIONS
 DEPTH BRILESS : 000 ELEV. PERM. DATUM: KF :
 LOG BOTTOM : 54.46 LOG MEASURED FROM: G.I. DF :
 LOG TOP : -2.70 DRL MEASURED FROM: GL :
 CASING DEPTH : 21 LOGGING UNIT : 375
 CASING TYPE : steel FIELD OFFICE : G.O.
 CASING THICKNESS : .055 RECORDER BY : Sander

WELL SIZE : 12 BOREHOLE FLUID : H 2o FILE : ORIGINAL
 MAGNETIC DEVI. : 23 AN TYPE : 963804
 MATRIX DENSITY : RM TEMPERATURE : LDC : 7
 FLUID DENSITY : MATRIX DELTA T : PLOT : 963804 2
 AVERAGE MATRIX : FLUID DELTA T : THRESH:
 MINIMUM :

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154057.32
23958.57
1732.87

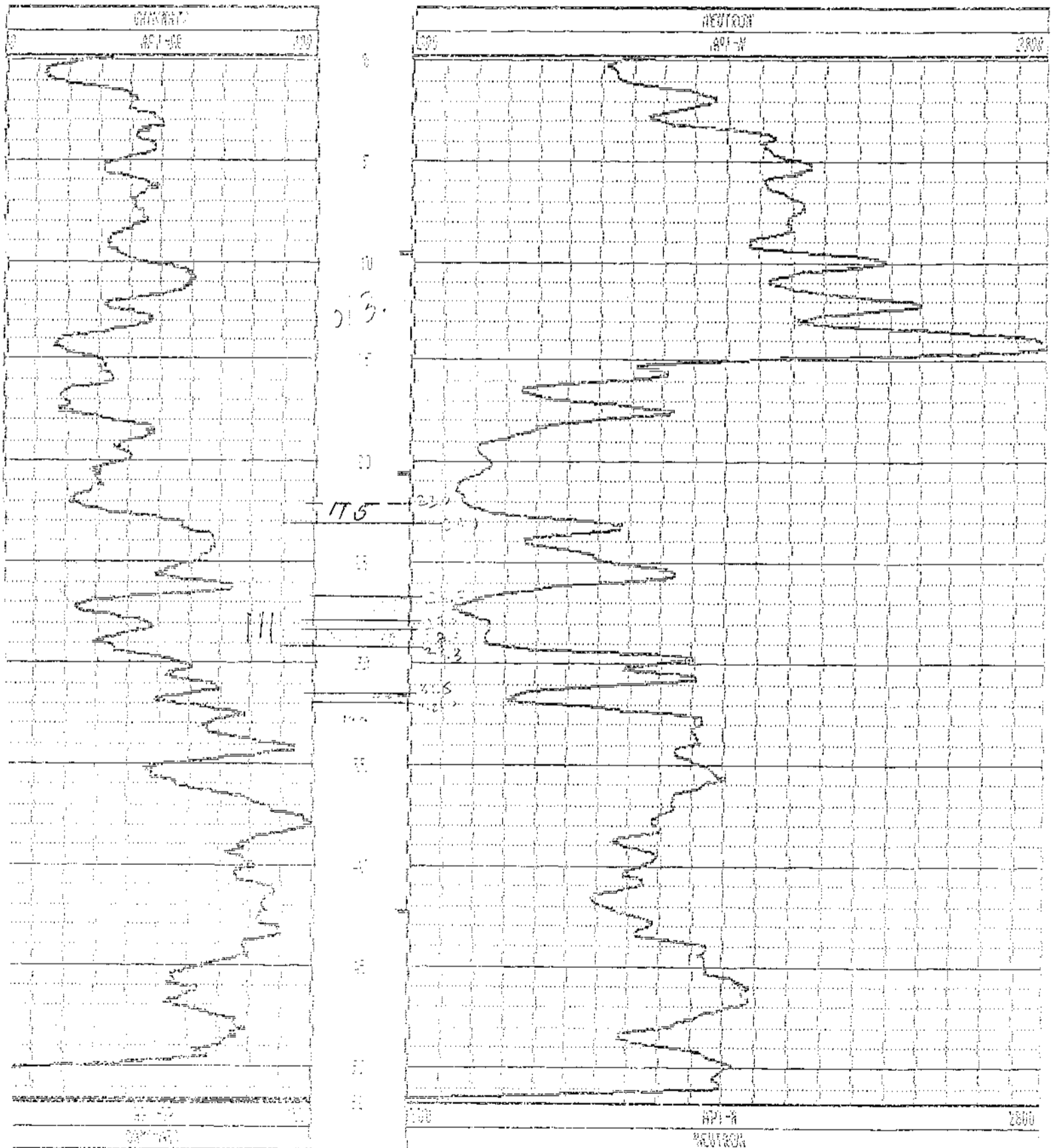


2382

GAMMA-NEUTRON

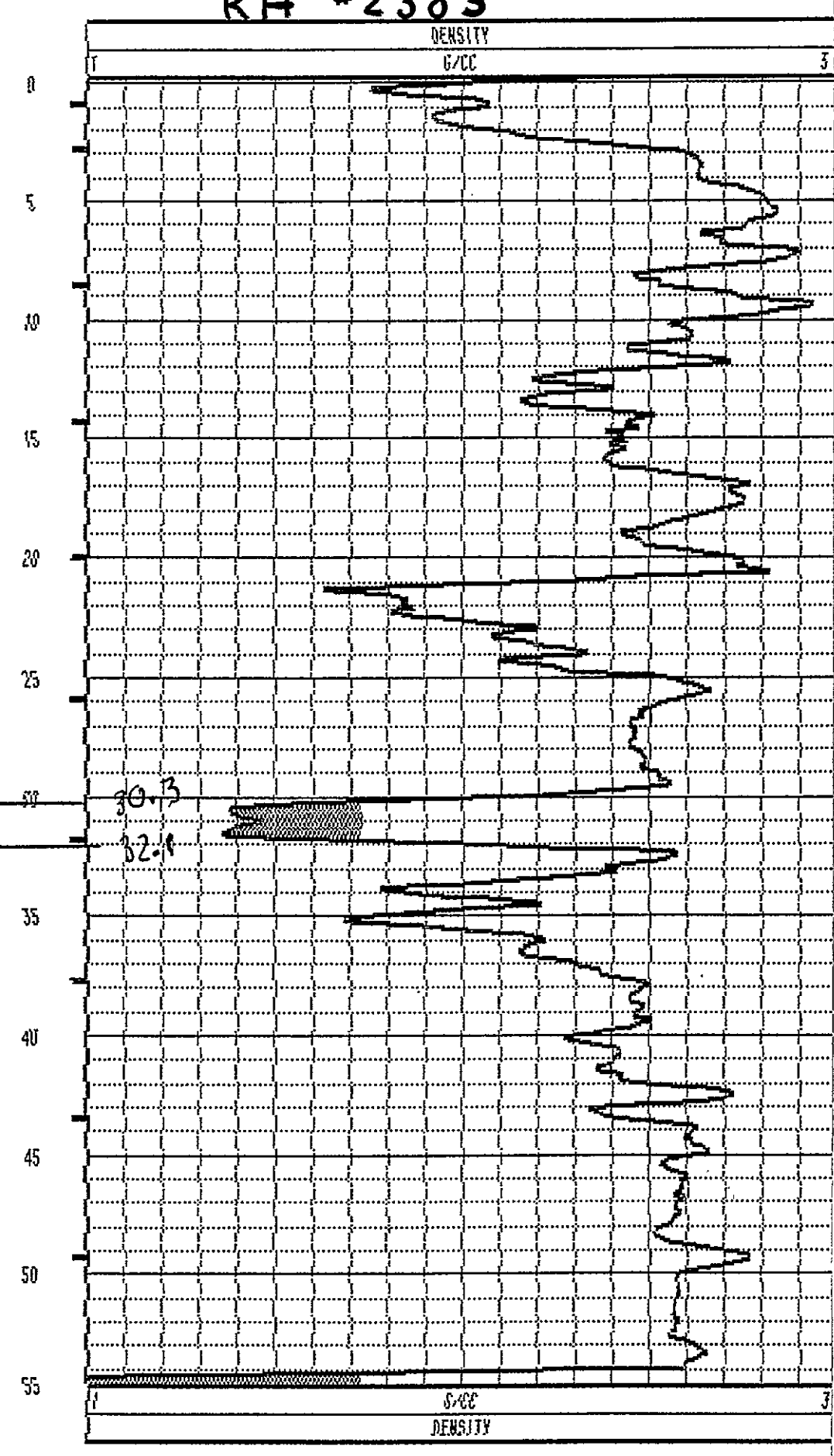
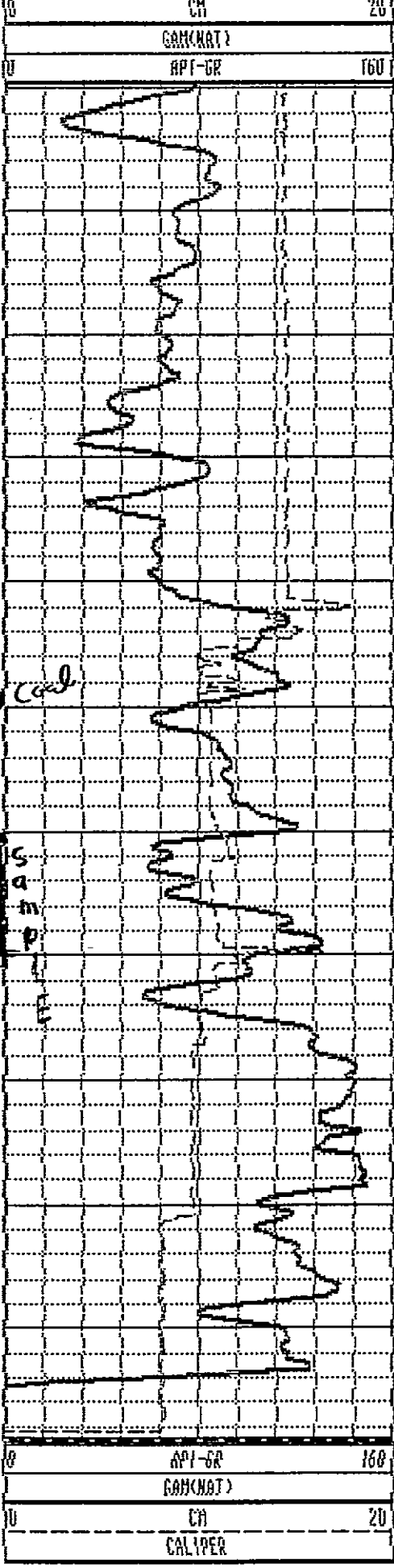
COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H.2382	RH2382	
LOCATION/FIELD	: Henretta	Henretta	
COUNTY	:	G/N Log	
STATE	:		
SECTION	:	TOWNSHIP	:
	:	RANGE	:
DATE	: 02/24/93	PERMANENT DATUM	:
DEPTH DRILLER	: SSN	ELEV. PERM. DATUM:	KS :
LOG BOTTOM	: 51.09	LOG MEASURED FROM:	G.I. DF :
LOG TOP	: -0.00	DEL MEASURED FROM:	GL :
LOGGING DRILLER	: SA	LOGGING UNIT	: 379
LOGGING TYPE	: steel	FIELD OFFICE	: G.O.
LOGGING THICKNESS:	.025	RECORDED BY	: Sandy
LOG SIZE	: 12	MARSHALE FLUID	: H 2o
MAGNETIC DECL.	: 21	RA	:
MATRIX DENSITY	:	RA TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 98754
		LOG	: 4
		PLST	: 9555A @
		THRESH:	

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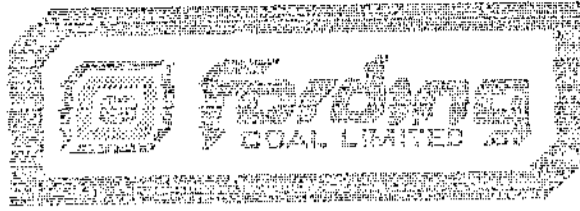
24.23.93 02.1.93 232

RH #2383



2383

154041.96
24014.59
1733.45



GAMMA-NEUTRON

RH # 2383

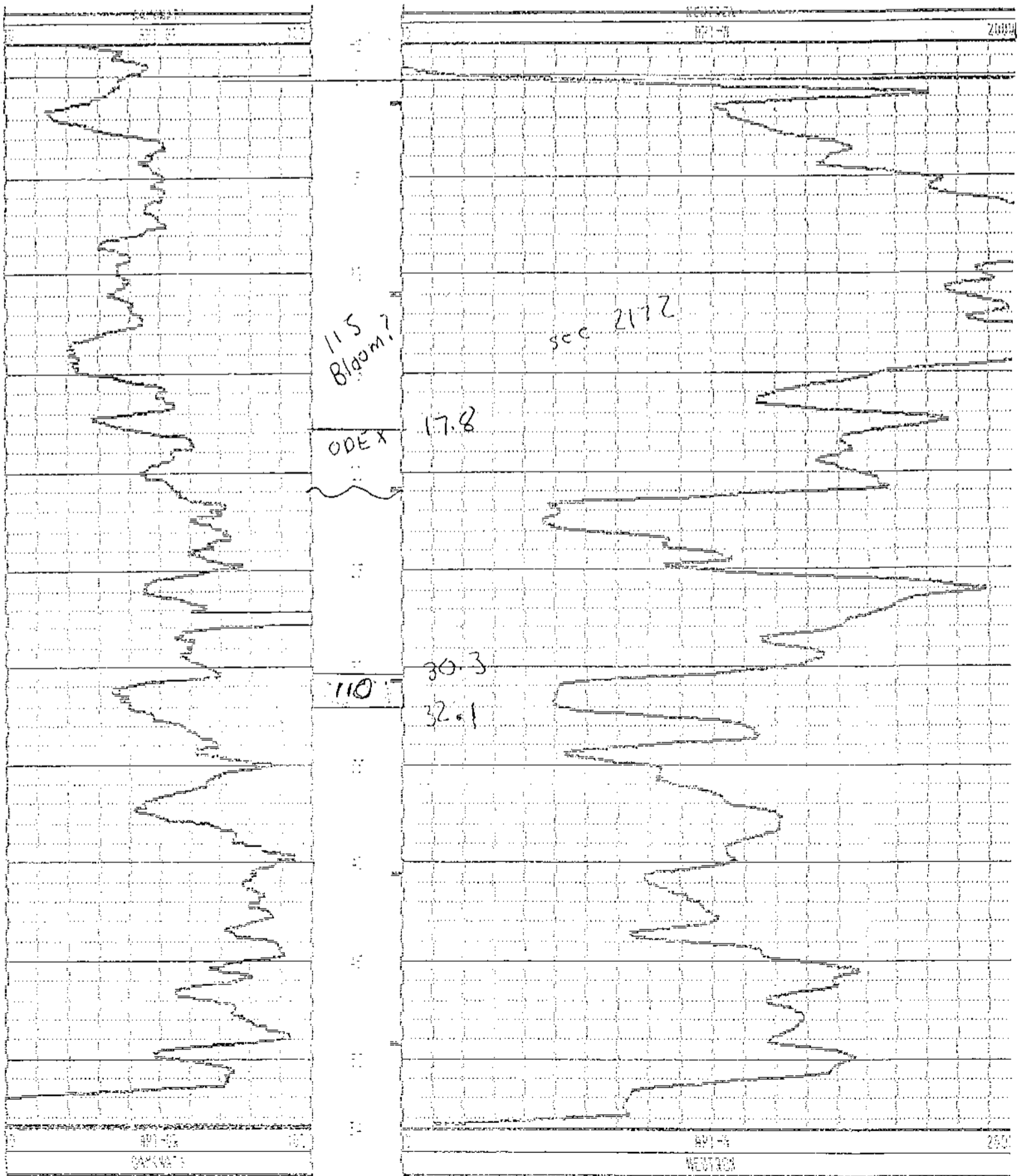
COMPANY : Fording Coal
WELL : RH 2383 HENRETTA
LOCATION/FIELD : Henretta West Pit
COUNTY :
STATE :
SECTION :

OTHER SERVICES:
RH2385
Henretta
G.W. log

TOWNSHIP : RANGE :

DATE : 02/05/98 PERMANENT DATUM : ELEVATIONS
DEPTH DRILLER : 56 ELEV. PERM. DATUM: RM :
LOG BOTTOM : 53.68 LOG MEASURED FROM: G.Z. DF :
LOG TOP : -1.48 DRL MEASURED FROM: RL :
CASING DRILLER : LOGGING UNIT : JY9
CASING TYPE : steel FIELD OFFICE : G.B.
CASING THICKNESS: .34 RECORDS BY :
BIT SIZE : 12 BOREHOLE FLUID : M 2a FILE : ORIGINAL
MAGNETIC DECL. : 21 RM : TYPE : 00550
MATRIX DENSITY : RM TEMPERATURE : LOG : 6
FLUID DENSITY : MATRIX DELTA T : FLOY : 50550 W
NEUTRON MATRIX : FLUID DELTA T : THRESH:
REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



153972.43
24116.61
1732.54

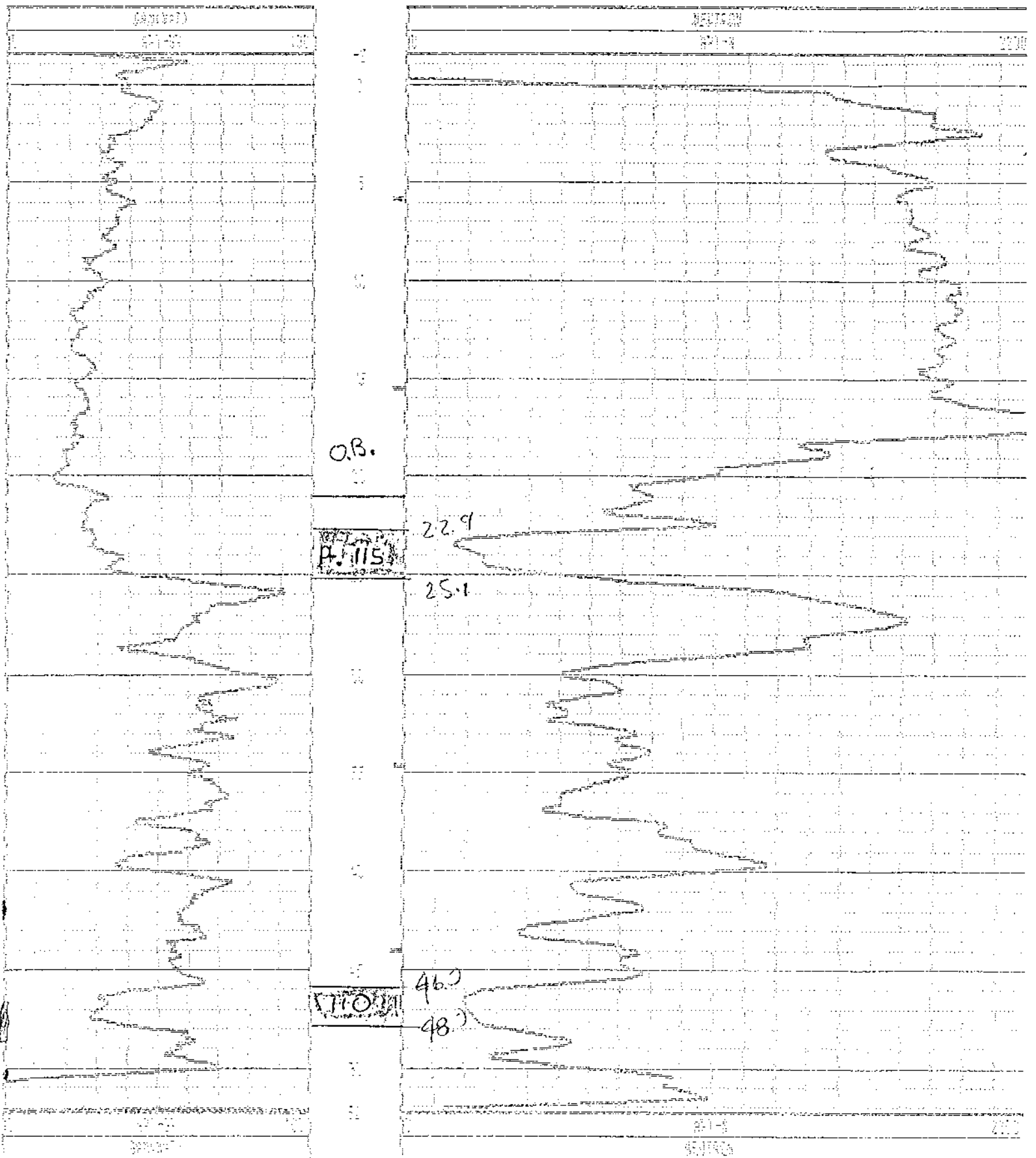
2384

GAMMA-NEUTRON

RH # 2384

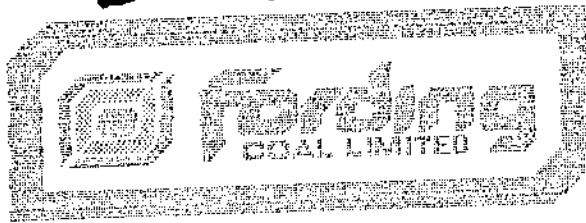
COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2384 (MAGNETIC REP)	312385
LOCATION/FIELD	: Fayette West Pit	Fayette
DEPTH	:	6.115
DATE	: 02/25/73	
LOGGERS	: 08	LOGGERS
LOG BOTTOM	: 33.30 LOG MEASURED FROM	01
LOG TOP	: -1.00 LOG MEASURED FROM	01
CASING DRILLER	: LOGGING UNIT : 370	
CASING TYPE	: steel	FIELD OFFICE : S.D.
CASING THICKNESS	: .34	RECORDED BY :
BIT SIZE	: 12	BOREHOLE FLUID : H 20
MAGNETIC DECL.	: 21	RH :
MATRIX DENSITY	:	RM TEMPERATURE :
FLUID DENSITY	:	MATRIX DELTA G :
NEUTRON MATRIX	:	FLUID DELTA G :
REMARKS	:	FILE : ORIGINAL
		TYPE : 0050A
		LOG : 3
		FLOW : 0050A @
		THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2385

153877.55
24215.61
1727.67



GAMMA-NEUTRON

RH #2385

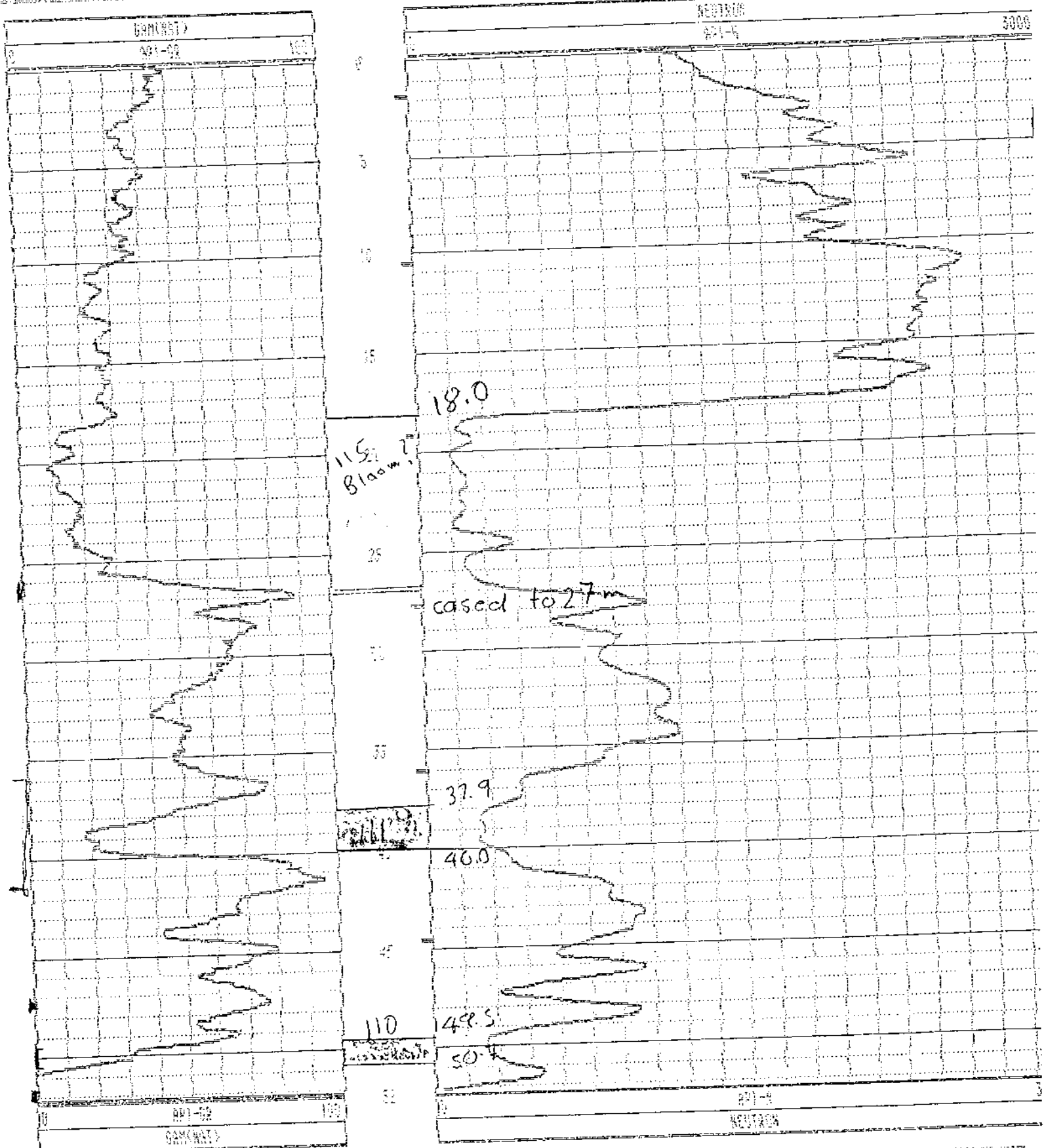
CLIENT : Fording Coal
WELL : R.H.2385
LOCATION/FIELD : Hareeta West (P1)
OSWY :
WATE :
SECTION :

OTHER SERVICES:
RH2005
Hareeta
G.M.100

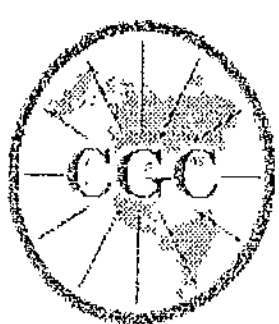
DATE : 02/04/93 PERMOUNT DATE :
DEPTH DRILLER : SS ELEV. PERM. DATUM:
LOG BOTTOM : 52.40 LOG MEASURED FROM: G.L.
LOG TOP : -4.10 DFL MEASURED FROM:
LOGGING UNIT : 379
LOGGING TYPE : steel FIELD OFFICE : G.O.
LOGGING THICKNESS : .34 RECORDED BY : Sandy

BIT SIZE : 12 FILE : ORIGINAL
MAGNETIC RECL. : 21 TYPE : 9055A
MATRIX DENSITY : RM TEMPERATURE : LOG : 1
FLUID DENSITY : MATRIX BELEO T : PLOT : 9055A 0
NEUTRON MATRIX : FLUID BELEO T : THRESH:
REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2386



Century CORPORATION

154069.16
23791.55
1726.91

GAMMA-RES-DENSITY

COMPANY : F.C.C. FORDING RIVER
WELL : RH-2386
LOCATION/FIELD : ELKFORD
COUNTY : ELKFORD
STATE : B.C.
SECTION :

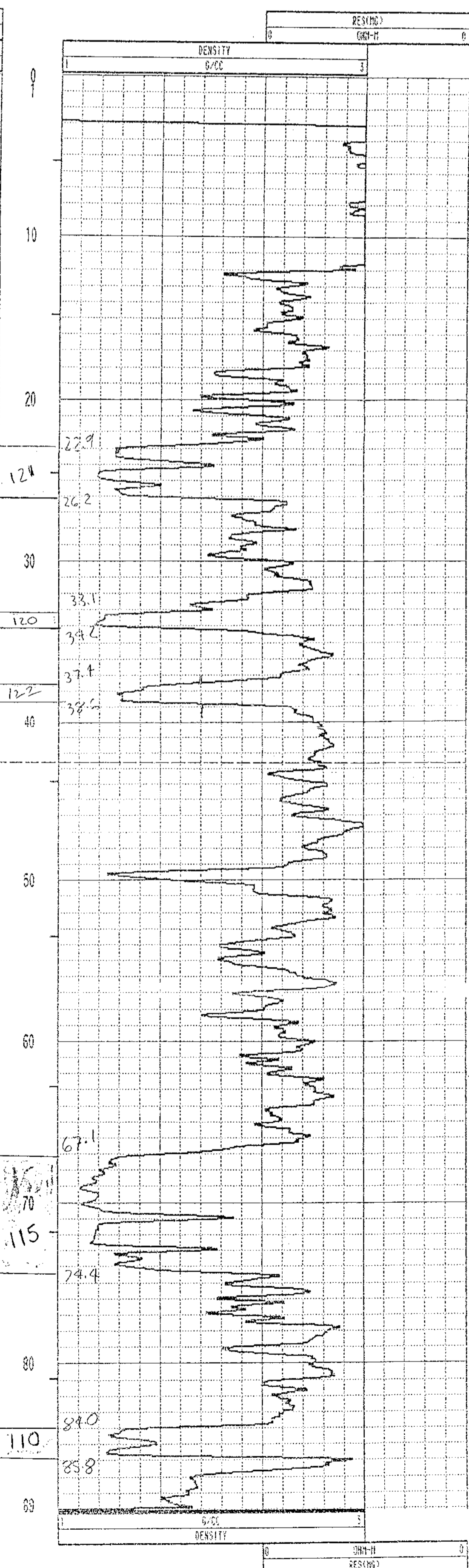
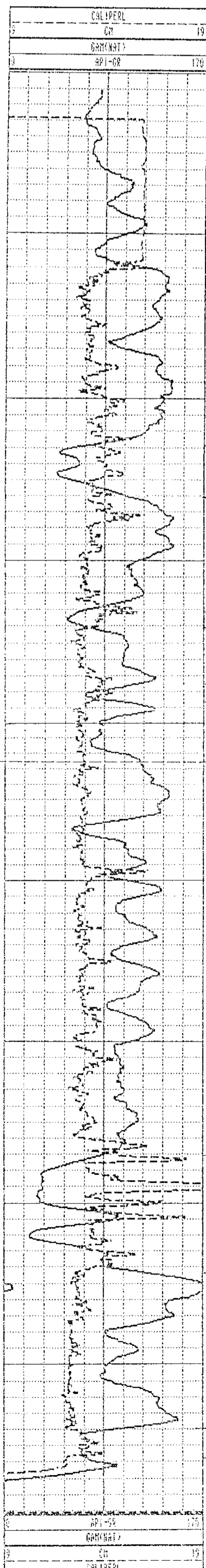
OTHER SERVICES:

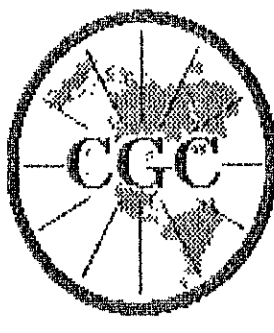
RH 2386

TOWNSHIP : RANGE :
DATE : 82/10/93 PERMANENT DATUM : GL ELEVATIONS
DEPTH DRILLER : 91.0 ELEV. PERM. DATUM: KB :
LOG BOTTOM : 89.19 LOG MEASURED FROM: GL DF :
LOG TOP : 1.13 BRL MEASURED FROM: GL GL :
CASING DRILLER : 12.0 LOGGING UNIT : 8903
CASING TYPE : STEEL FIELD OFFICE : CALGARY
CASING THICKNESS: .125 RECORDED BY : D. MacNeill

BIT SIZE : 13.4 BOREHOLE FLUID : WATER FILE : ORIGINAL
MAGNETIC DECL. : 20.0 RM : 0.0 TYPE : 9030AA
MATRIX DENSITY : 2.65 RM TEMPERATURE : 0 LOG : 4
FLUID DENSITY : 1.0 MATRIX DELTA T : 173 PLOT : FORDING 5
NEUTRON MATRIX : SANDSTONE FLUID DELTA T : 690 THRESH: 10000
REMARKS :
OPEN HOLE

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





Century CORPORATION

GAMMA-NEUTRON

RH#2387

COMPANY : F.C.C. FORDING RIVER
WELL : RH-2387
LOCATION/FIELD : ELKFORD
COUNTY : ELKFORD
STATE : B.C.
SECTION :

OTHER SERVICES:

TOWNSHIP : RANGE :

DATE : 02/10/93
DEPTH DRILLER : 122.0
LOG BOTTOM : 120.73
LOG TOP : 1.63

PERMANENT DATUM : GL
ELEV. PERM. DATUM:
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL

ELEVATIONS
KB :
DF :
GL :

CASING DRILLER : 6.1
CASING TYPE : STEEL
CASING THICKNESS: .125

LOGGING UNIT : 8903
FIELD OFFICE : CALGARY
RECORDED BY : D. MacNeill

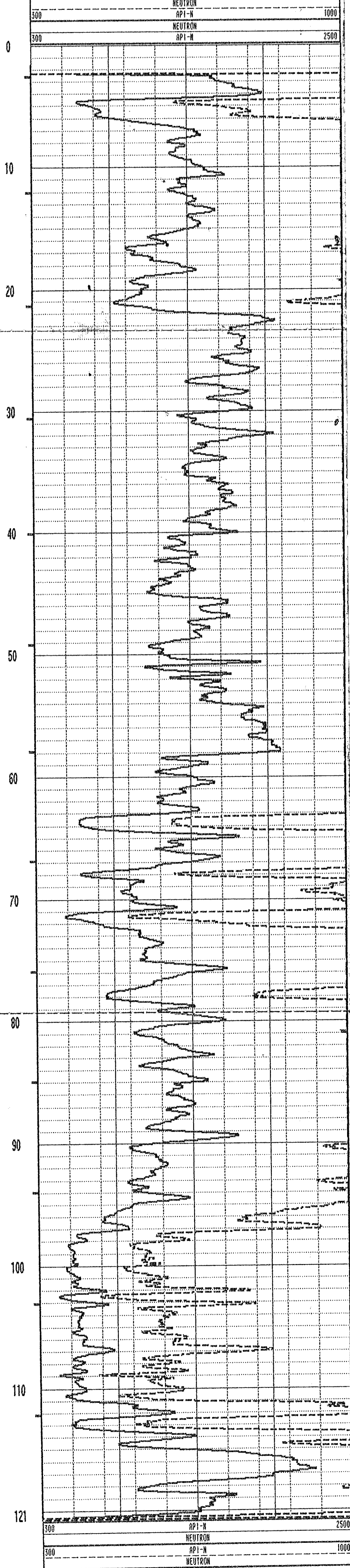
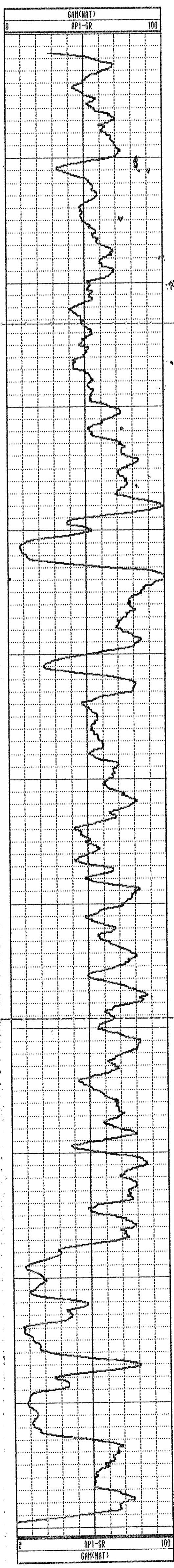
BIT SIZE : 13.4
MAGNETIC DECL. : 20.0
MATRIX DENSITY : 2.65
NEUTRON MATRIX : SANDSTONE

BOREHOLE FLUID : WATER
RM : 0.0
RM TEMPERATURE : 0
MATRIX DELTA T : 173
FLUID DELTA T : 690

FILE : ORIGINAL
TYPE : 9055A
LOG : 5
PLOT : FORDING 6
THRESH: 10000

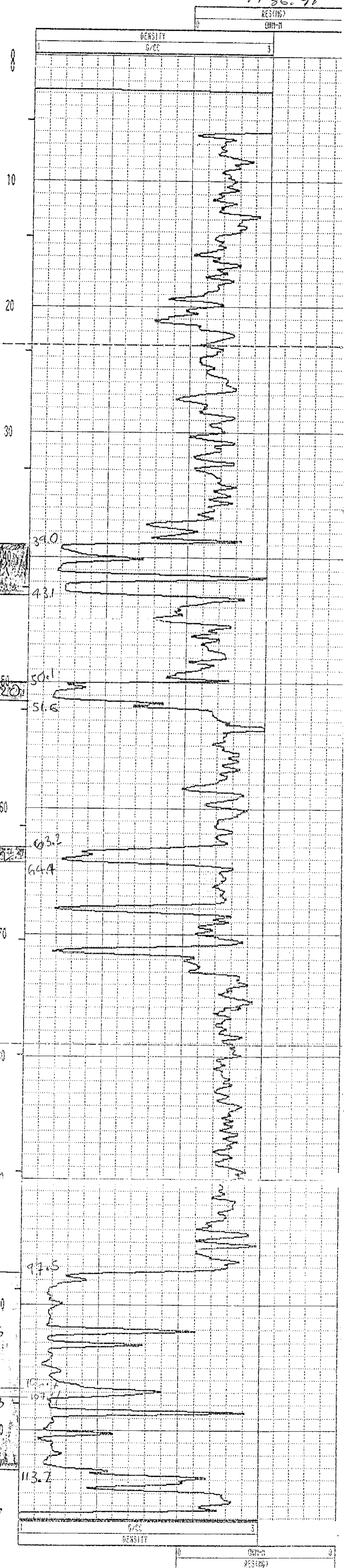
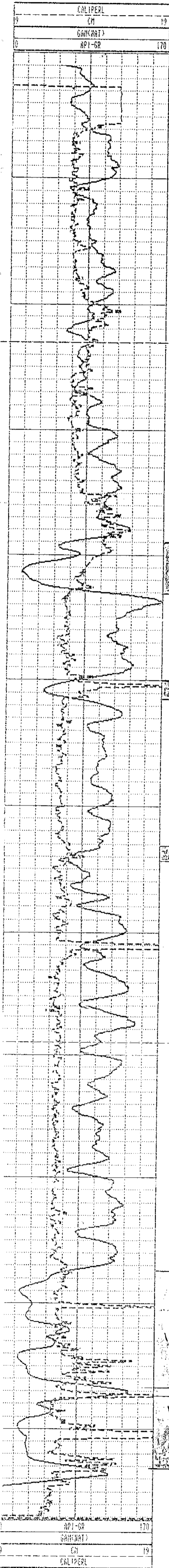
REMARKS :
INSIDE PIPE

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2387

154140.73
23840.34
1736.91



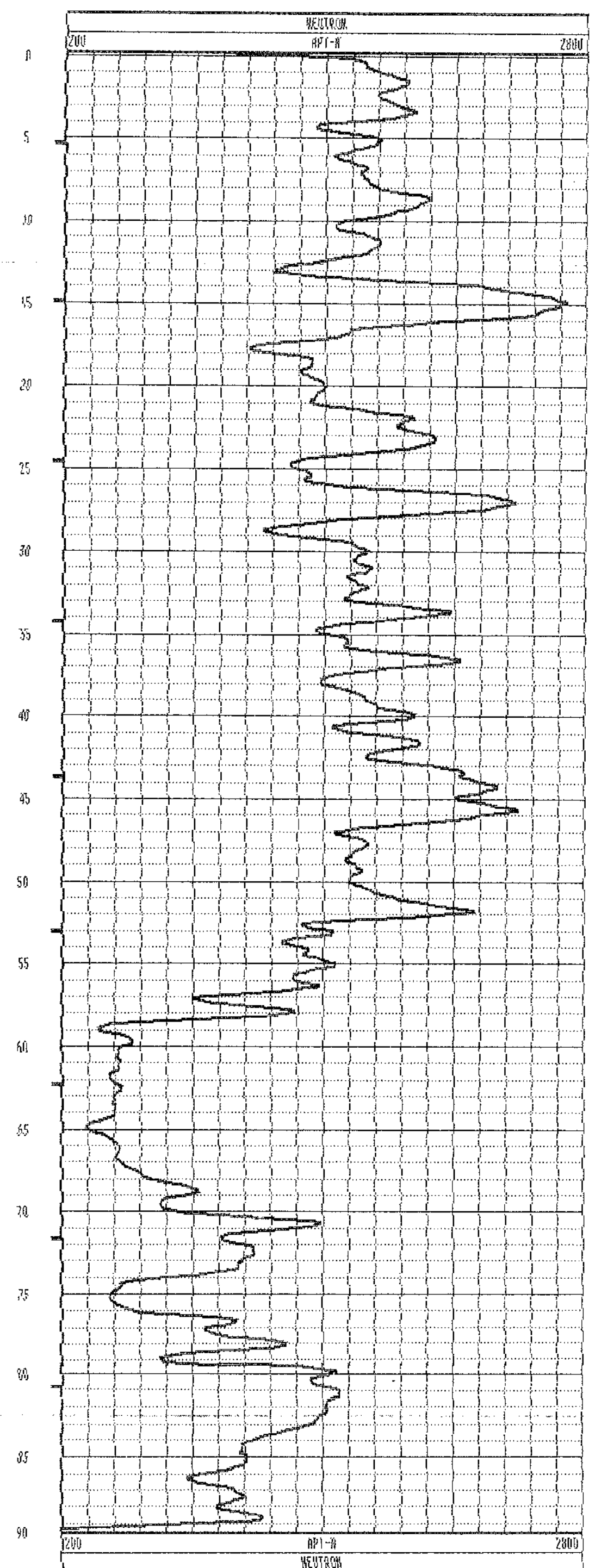
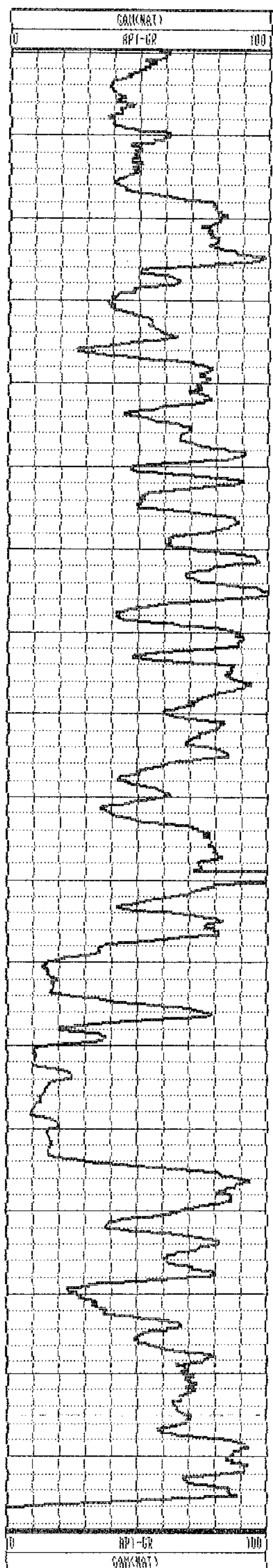


GAMMA-NEUTRON

RH #2388

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: R.H.2388	R.H.2388
LOCATION/FIELD	: Henretta West Pit	Henretta
COUNTY	:	G.N.log
STATE	:	
SECTION	:	TOWNSHIP : RANGE :
DATE	: 02/09/93	PERMANENT DATUM :
DEPTH DRILLER	: 79m	ELEV. PERM. DATUM:
LOG BOTTOM	: 89.60	LOG MEASURED FROM: G.L.
LOG TOP	: -3.50	DRL MEASURED FROM:
CASING DRILLER	:	LOGGING UNIT : 379
CASING TYPE	: steel	FIELD OFFICE : G.U.
CASING THICKNESS	: .825	RECORDED BY : Sandg
BIT SIZE	: 12	BOREHOLE FLUID : H 2o
MAGNETIC DECL.	: 21	RM :
MATRIX DENSITY	:	RM TEMPERATURE :
FLUID DENSITY	:	MATRIX DELTA T :
NEUTRON MATRIX	:	FLUID DELTA T :
REMARKS	:	FILE : ORIGINAL
		TYPE : 9055A
		LOG : 5
		PLOT : 9055A 0
		THRESH:

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2388



Century
CORPORATION

154130.73
23911.14
1736.61

GAMMA-RES-DENSITY

COMPANY : F.C.C. FORDING RIVER
WELL : RH-2388
LOCATION/FIELD : ELKFORD
COUNTY : ELKFORD
STATE : B.C.
SECTION :

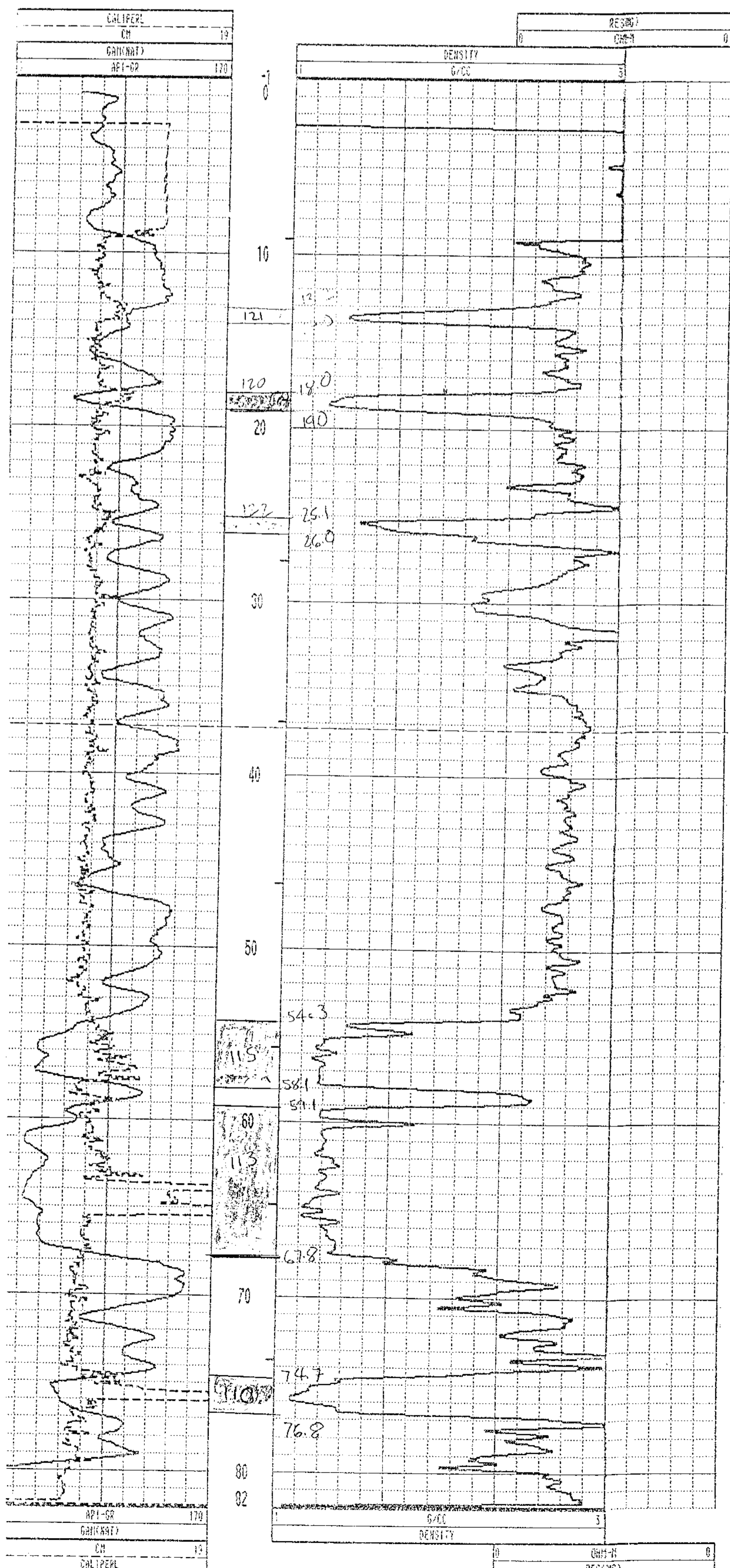
OTHER SERVICES:

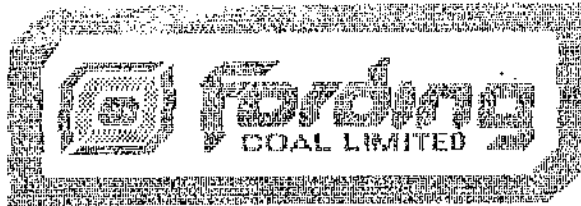
RH #2388

TOWNSHIP : RANGE :
DATE : 02/10/93 PERMANENT DATUM : GL ELEVATIONS
DEPTH DRILLER : 91.0 ELEV. PERM. DATUM: KB :
LOG BOTTOM : 82.03 LOG MEASURED FROM: GL DF :
LOG TOP : 0.00 DRL MEASURED FROM: GL GL :
CASING DRILLER : 12.0 LOGGING UNIT : 6903
CASING TYPE : STEEL FIELD OFFICE : CALGARY
CASING THICKNESS: .125 RECORDED BY : D. MacNeill

BIT SIZE : 13.4 BOREHOLE FLUID : WATER FILE : ORIGINAL
MAGNETIC DECL. : 20.0 RM : 0.0 TYPE : 9030AA
MATRIX DENSITY : 2.65 RM TEMPERATURE : 0 LOG : 6
FLUID DENSITY : 1.0 MATRIX DELTA T : 173 PLOT : FORDING S
NEUTRON MATRIX : SANDSTONE FLUID DELTA T : 690 THRESH: 10000
REMARKS :
OPEN HOLE

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GAMMA-NEUTRON

RH # 2389

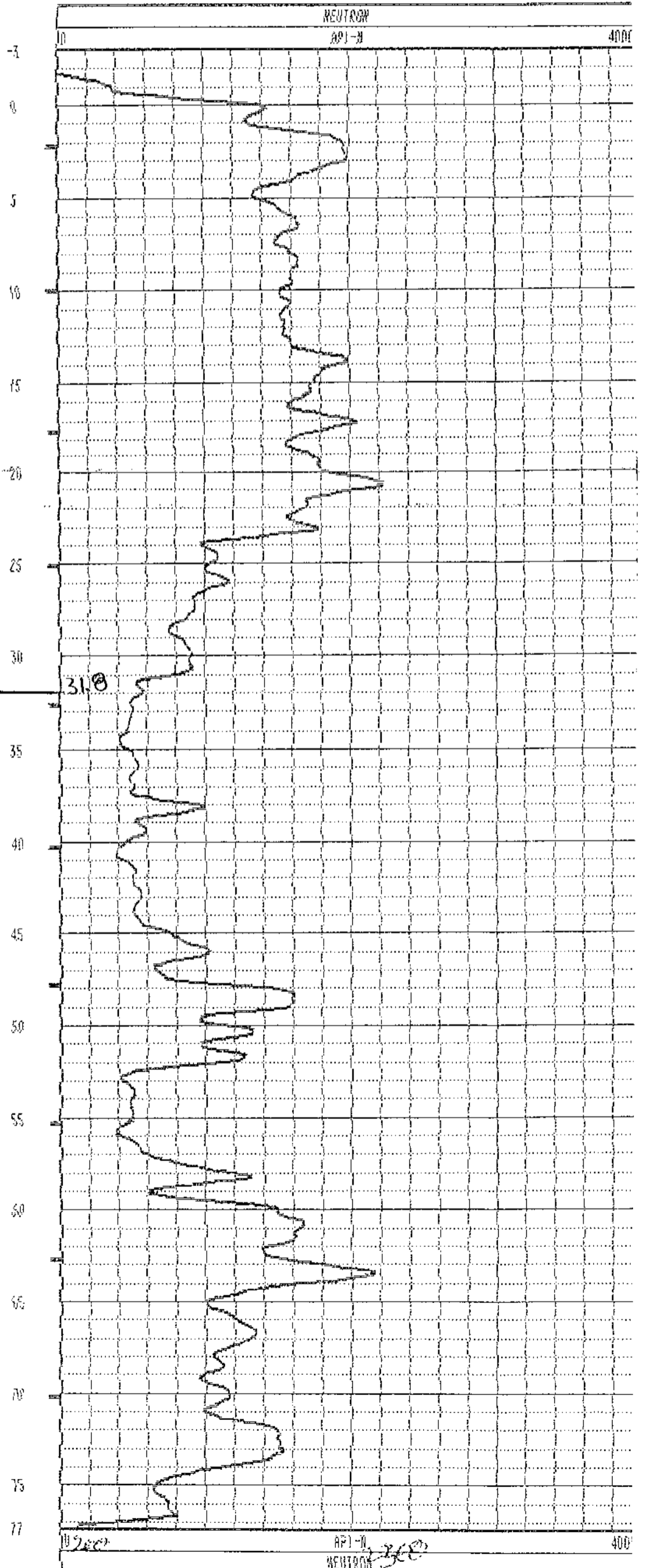
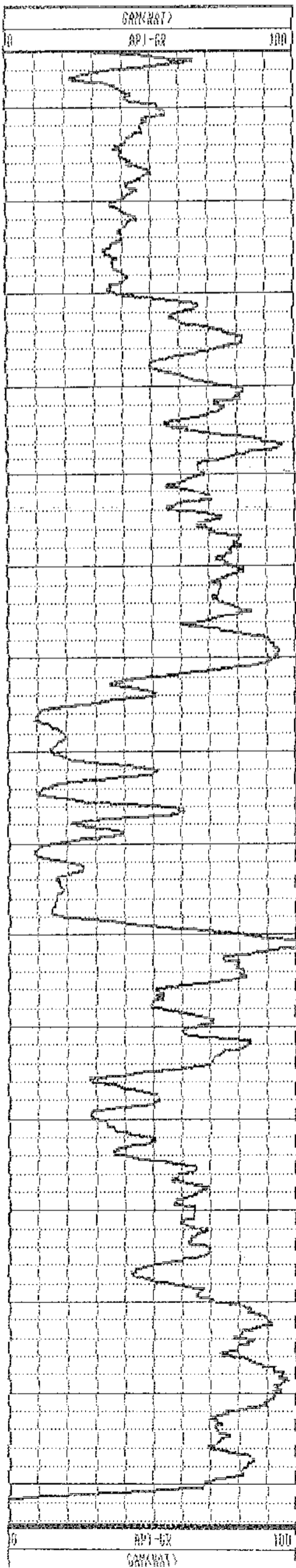
COMPANY : Fordina Coal
 WELL : R.H.2389
 LOCATION/FIELD : Henretta West Pit
 COUNTY :
 STATE :
 SECTION : TOWNSHIP : RANGE :
 DATE : 02/09/93 PERMANENT DATUM :
 DEPTH DRILLER : 79m ELEV. PERM. DATUM :
 LOG BOTTOM : 77.40 LOG MEASURED FROM: G.L. :
 LOG TOP : -2.00 DRL MEASURED FROM: :
 CASING DRILLER : LOGGING UNIT : 379
 CASING TYPE : steel FIELD OFFICE : G.O.
 CASING THICKNESS: 025 RECORDED BY : Sandy
 MAGNETIC DEVIATION : 22 DIRECTOR : H. 20
 FLOIS SENSITIV : MATRIX DELTA T :
 PENALTY : 0.00 :

OTHER SERVICES:
 RH2389
 Henretta
 G.N.log

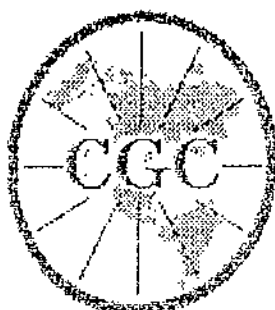
ELEVATIONS
 KB :
 BF :
 CL :

TAPE : 00500000
 SLOT : 9855A 0
 SUBJECT:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2389



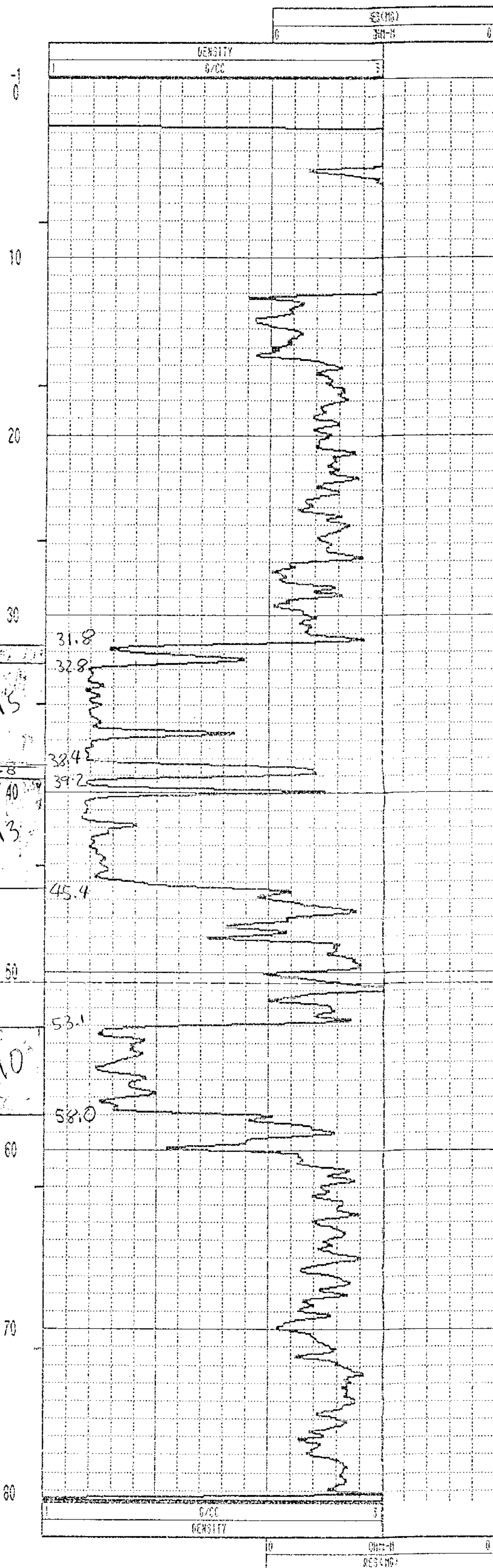
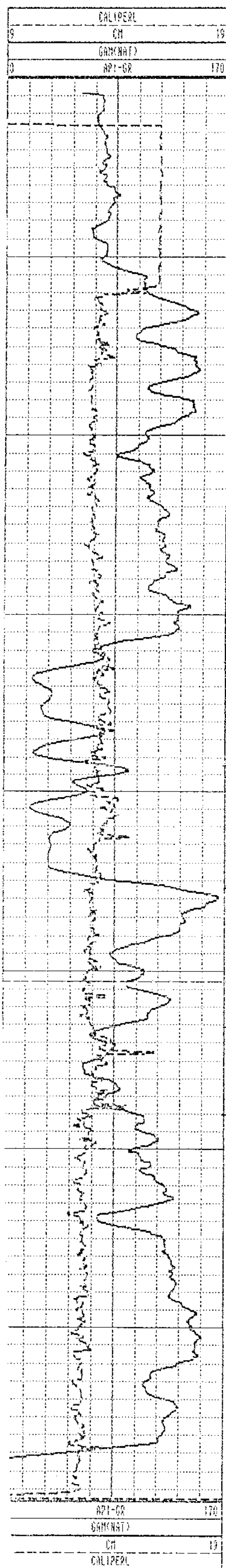
Century CORPORATION

154113.18
23961.52
1735.34

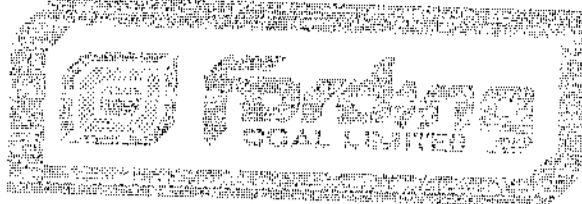
GAMMA-RS-DENSITY

COMPANY	: F.C.C. FORDING RIVER	OTHER SERVICES:	
WELL	: RH-2389	RH 2389	
LOCATION/FIELD	: ELKFORD		
COUNTY	: ELKFORD		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 02/10/93	PERMANENT DATUM	: GL
DEPTH DRILLER	: 75	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 79.64	LOG MEASURED FROM:	GL :
LOG TOP	: 0.06	DRL MEASURED FROM:	GL :
CASING DRILLER	: 6.1	LOGGING UNIT	: 8903
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	.125	RECORDED BY	: D. MacNeill
BIT SIZE	: 13.4	BOREHOLE FLUID	: WATER
MAGNETIC DECL.	: 20.0	RM	: 0.0
MATRIX DENSITY	: 2.65	RM TEMPERATURE	: 0
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 170
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690
REMARKS	:	FILE	: ORIGINAL
OPEN HOLE		TYPE	: 9030AA
		LOG	: 3
		PLOT	: FORDING 5
		THRESH	: 19000

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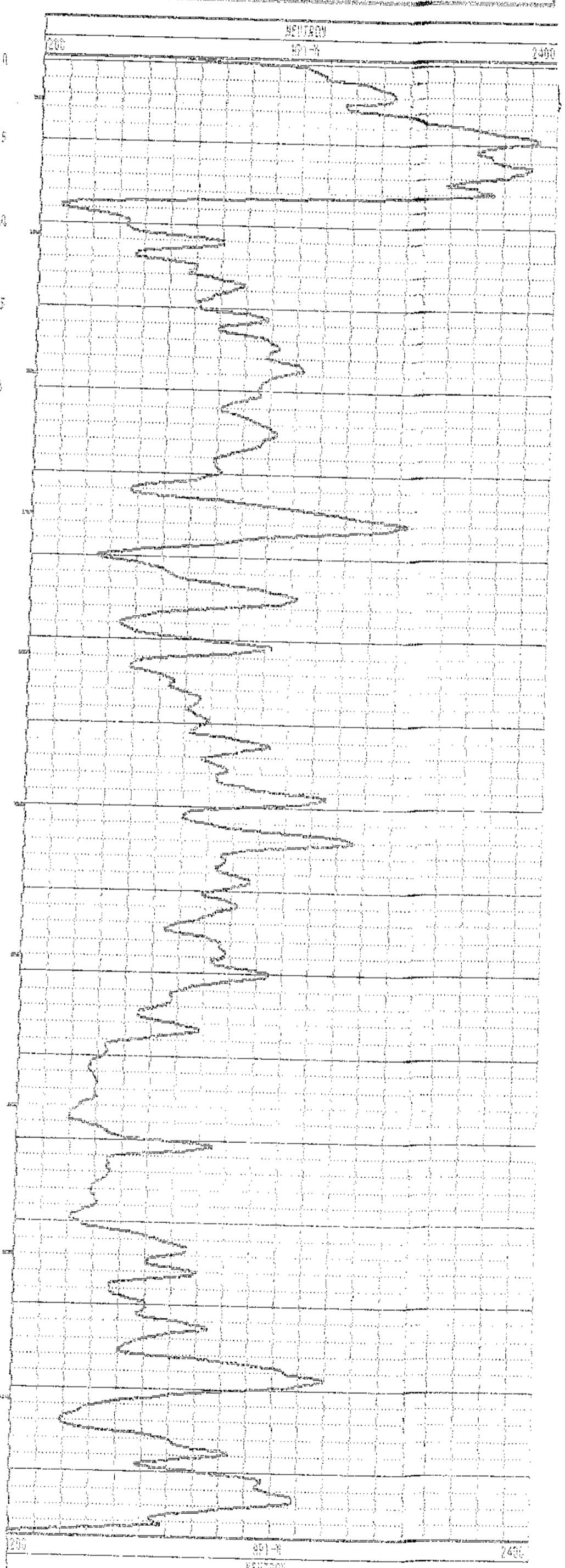
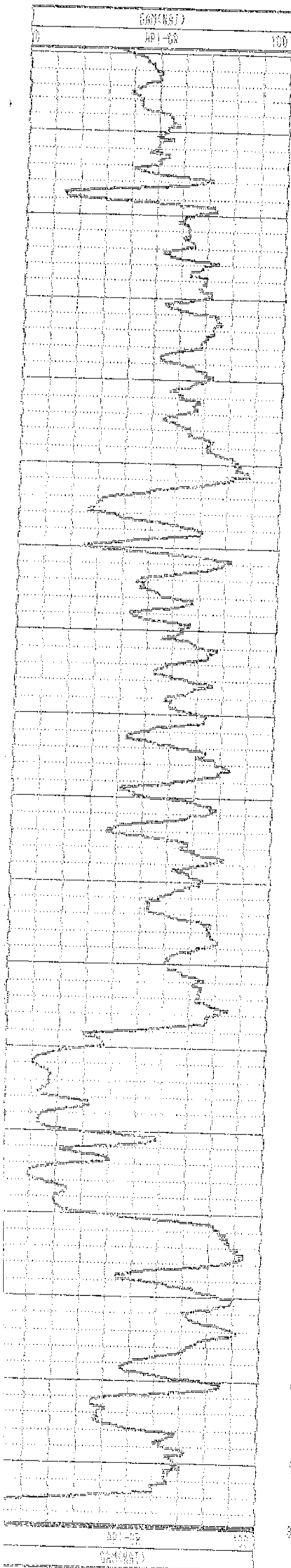
RH # 2390



GAMMA-NEUTRON

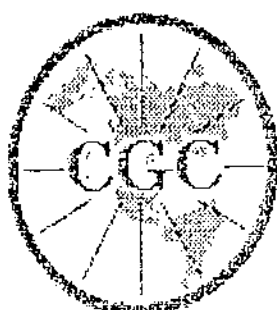
COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H.2390	PH2390	
LOCATION/FIELD	: Harretta West Pit	Harretta	
COUNTY	:	C.A. Log	
STATE	:		
SECTION	:	TOWNSHIP	: CANON
DATE	: 02/06/93	PERMITS	: PERMITS
DEPTH DRILLER	: 90m	ELEV. PERM. DATUM:	: ELEVATIONS
LOG BOTTOM	: 88.98	LOG MEASURED FROM:	: G.L.
LOG TOP	: -2.48	DAL MEASURED FROM:	: G.L.
CASING DEPTH	:	LOGGING UNIT	: 775
CASING TYPE	: 81451	FIELD OFFICE	: U.S.
CASING THICKNESS	: 825	WORKED BY	: Sandy
BIT SIZE	: 12	WORKING FLUID	: W 20
MAGNETIC DECL.	: 21		
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA X	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: OTHER
		LUG	: 4
		PLST	: 9855A W
		THRESH	:

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R.H.2390 02/06/93 232

2390



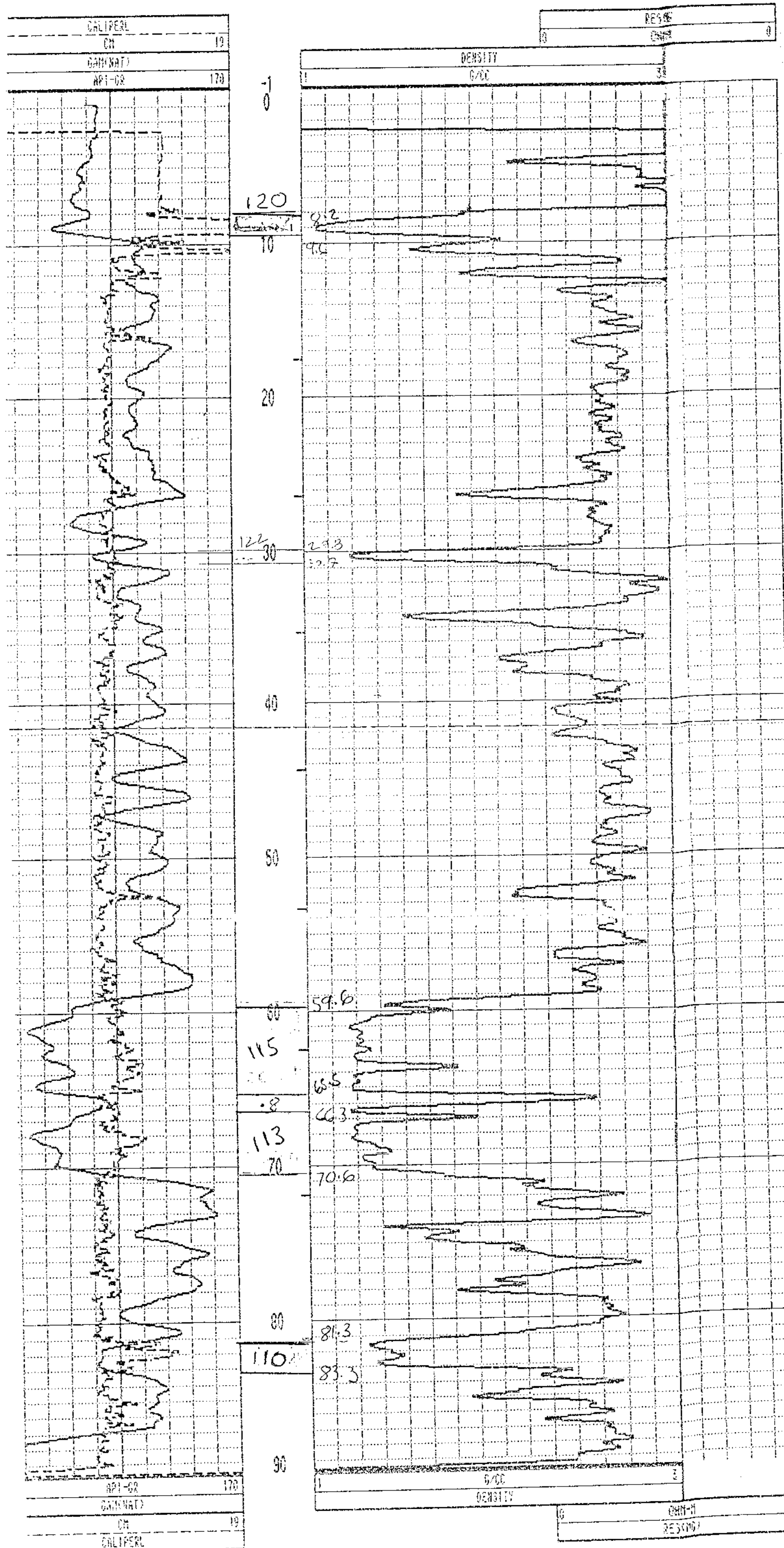
Century
CORPORATION

154144.86
24007.14
1738.76

GAMMA-RES-DENSITY

COMPANY	: F.C.C. FORDING RIVER	OTHER SERVICES:	
WELL	: RH-2390	RH 2390	
LOCATION/FIELD	: ELXFORD		
COUNTY	: ELXFORD		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 02/08/93	PERMANENT DATUM	: GL
DEPTH DRILLER	: 90.8	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 89.73	LDC MEASURED FROM:	GL
LOG TOP	: 9.92	DRL MEASURED FROM:	GL
CASING DRILLER	: 9.1	LOGGING UNIT	: 8903
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	.125	RECORDED BY	: D. MacNeill
BIT SIZE	: 13.4	BOREHOLE FLUID	: WATER
MAGNETIC DECL.	: 29.0	RM	: 0.0
MATRIX DENSITY	: 2.65	RM TEMPERATURE	: 0
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690
REMARKS	:	FILE	: ORIGINAL
OPEN HOLE		TYPE	: 0300A
		LOG	: 3
		PLOT	: FORDING 5
		THRESH	: 0000

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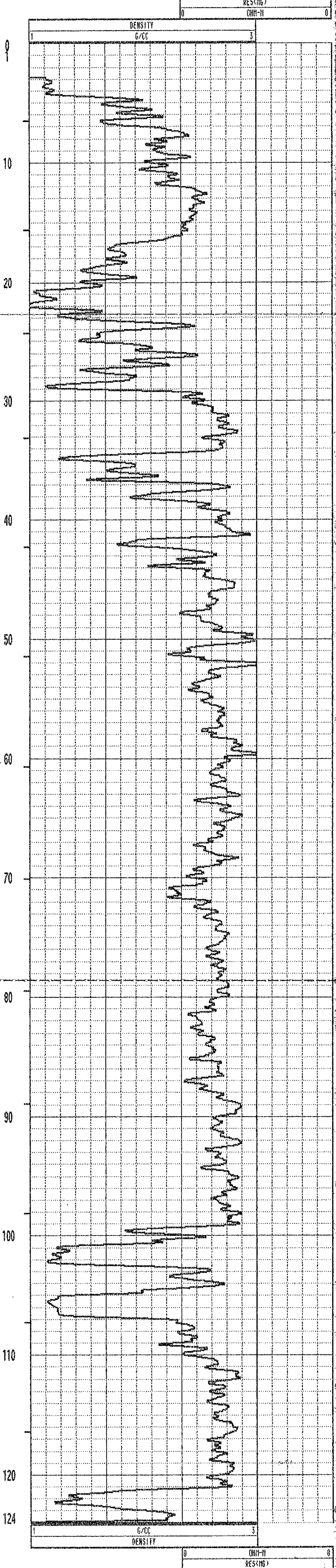
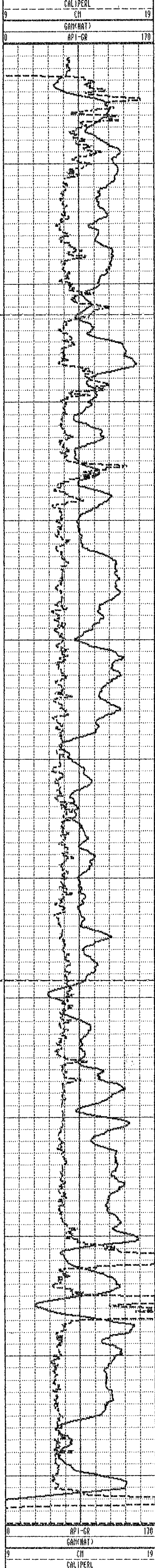


Century CORPORATION

GAMMA-RES-DENSITY

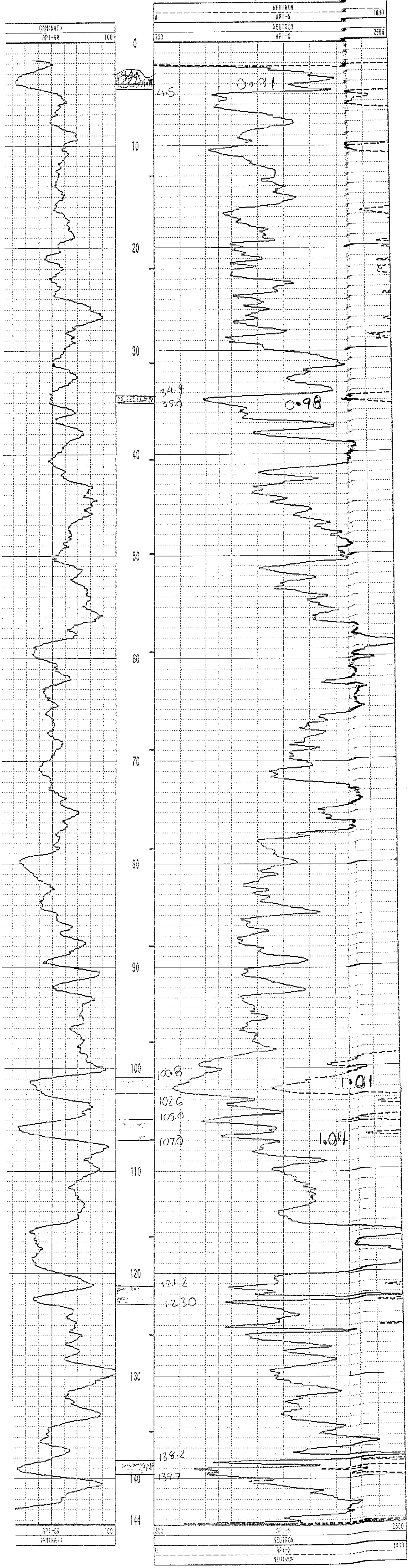
COMPANY	: F.C.C. FORDING RIVER	OTHER SERVICES:	
WELL	: RH-2391		2391
LOCATION/FIELD	: ELKFORD		
COUNTY	: ELKFORD		
STATE	: B.C.		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 02/09/93	PERMANENT DATUM	: GL ELEVATIONS
DEPTH DRILLER	: 144	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 124.08	LOG MEASURED FROM:	GL DF :
LOG TOP	: 1.11	DRL MEASURED FROM:	GL GL :
CASING DRILLER	: 6.1	LOGGING UNIT	: 8903
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	.125	RECORDED BY	: D. MacNeill
BIT SIZE	: 13.4	BOREHOLE FLUID	: WATER FILE : ORIGINAL
MAGNETIC DECL.	: 20.0	RM	: 0.0 TYPE : 9030AA
MATRIX DENSITY	: 2.65	RM TEMPERATURE	: 0 LOG : 1
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173 PLOT : FORDING 5
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 690 THRESH: 10000
REMARKS	:		
OPEN HOLE			

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154205.47
 23886.19
 1750.53

2391





Century CORPORATION

GAMMA-NEUTRON

2392

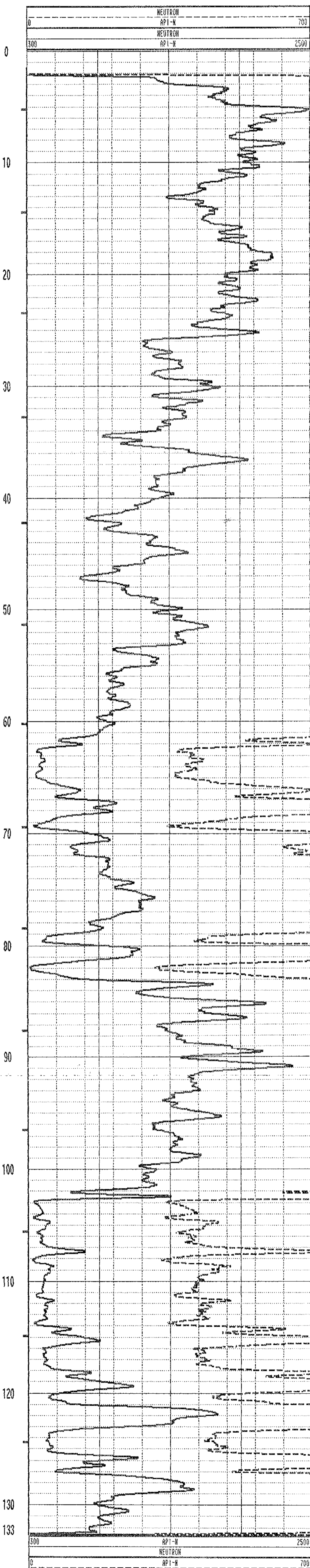
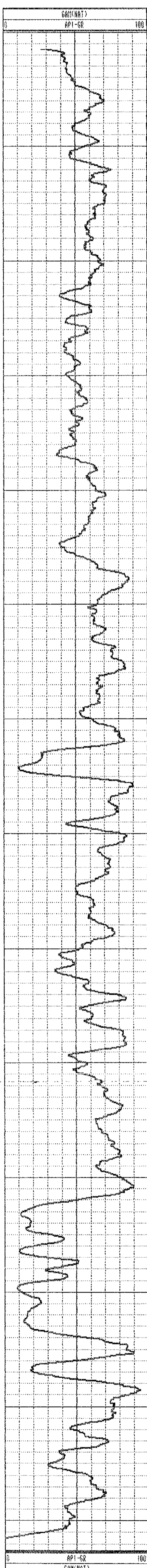
COMPANY : F.C.C. FORDING RIVER
 WELL : RH-2392
 LOCATION/FIELD : ELKFORD
 COUNTY : ELKFORD
 STATE : B.C.
 SECTION : TOWNSHIP : RANGE :

DATE : 02/08/93 PERMANENT DATUM : GL ELEVATIONS
 DEPTH DRILLER : 134.5 ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 132.73 LOG MEASURED FROM: GL DF :
 LOG TOP : 1.53 DRL MEASURED FROM: GL GL :

CASING DRILLER : 12.0 LOGGING UNIT : 8903
 CASING TYPE : STEEL FIELD OFFICE : CALGARY
 CASING THICKNESS: .125 RECORDED BY : D. MacNeill

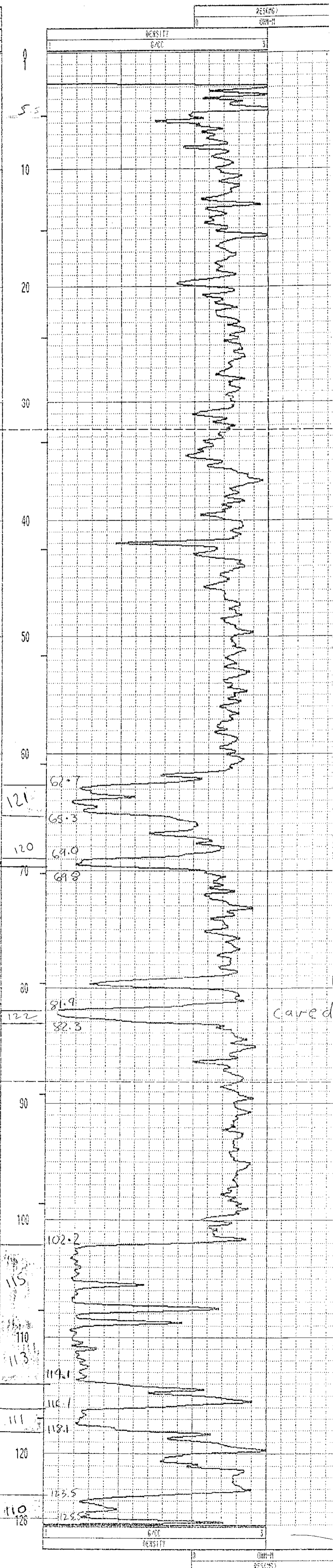
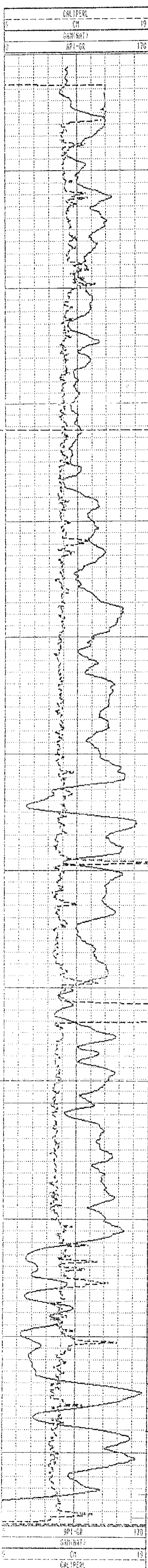
BIT SIZE : 13.4 BOREHOLE FLUID : WATER FILE : ORIGINAL
 MAGNETIC DECL. : 20.0 RM : 0.0 TYPE : 9055A
 MATRIX DENSITY : 2.65 RM TEMPERATURE : 0 LOG : 0
 FLUID DENSITY : 1.0 MATRIX DELTA T : 173 PLOT : FORDING 6
 NEUTRON MATRIX : SANDSTONE FLUID DELTA T : 690 THRESH: 10000
 REMARKS :
 INSIDE PIPE

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

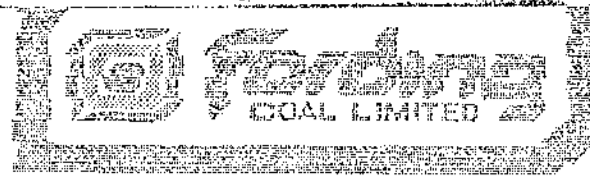


2392

154210.71
23952.54
1747.61



Cared



152 483.0N
23 377.4E
1726.3 m

GAMMA-NEUTRON

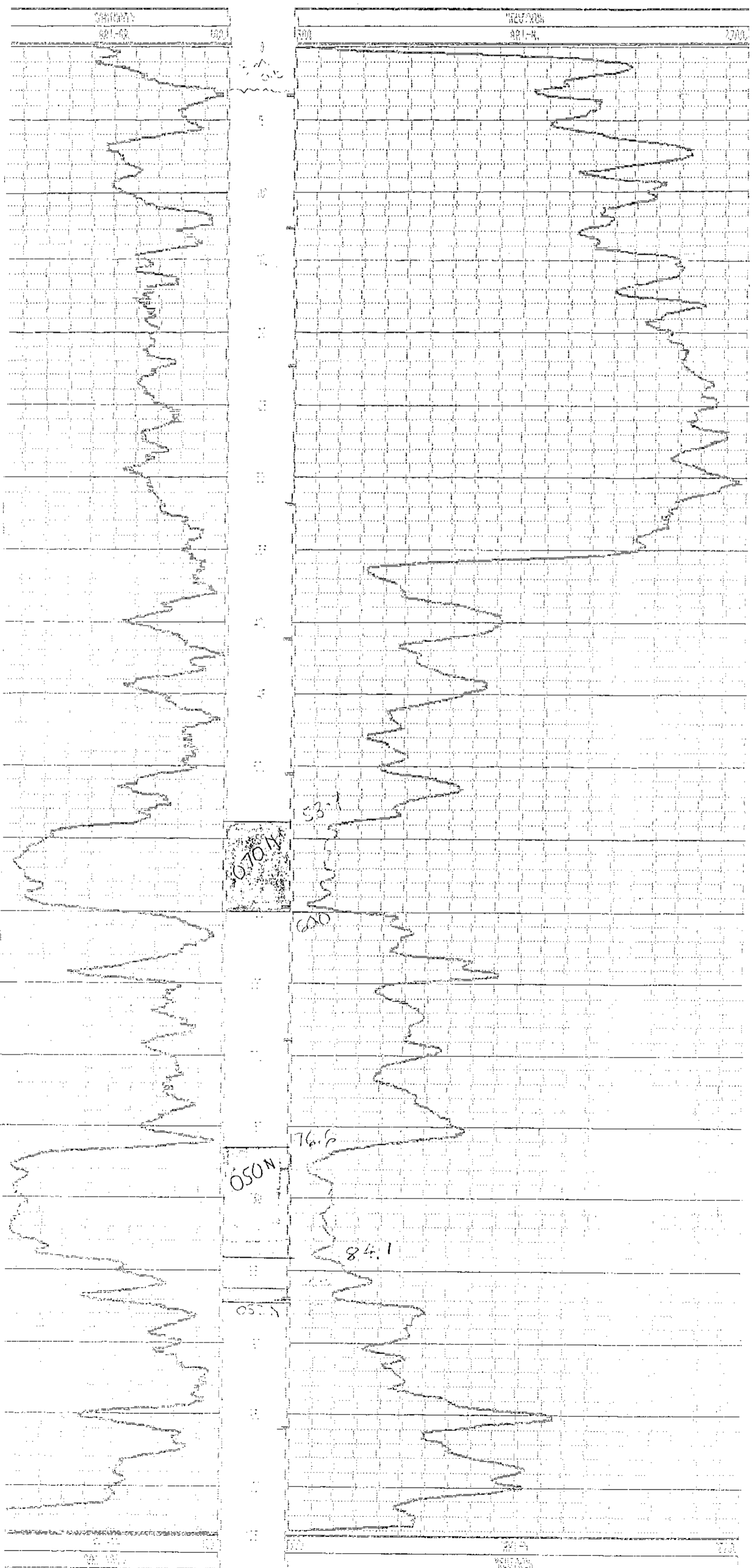
2H '695

COMPANY : Fording Coal
 WELL : R.H. 695
 LOCATION/FIELD : Henretta
 BUNTS :
 DATE :
 SECTION :
 TOWNSHIP :
 RANGE :
 RTG : 53/15/93 PERMANENT DATA :
 OPEN SPACING : 120' ELEV. FEET, SURF. :
 TO BIT TOP : 102.49 LOG MEASURED FROM : C.T.
 TO BOP : -2.30 DEPTH MEASURED FROM :
 WIND DRILLER : 15 LOGGING UNIT : 379
 WIND TYPE : steel FIELD OFFICE : Fording Riv.
 WIND THICKNESS : .025' RECORDING BY : Gaudy
 IT SIZE : 12 GREENHOLE FLUID : N/A
 MAGNETIC DECL. : 21 RM :
 STRAT DENSITY : RM TEMPERATURE :
 LITH DENSITY : MTRAIN DELTA T :
 SUDEN MTRAIN : FLUID DELTA T :
 MTRAIN :

OTHER SERVICES:
 RH695
 Henretta
 G/A

FILE : ORIGINAL
 TYPE : 5655A
 LOG : 1
 PLOT : 5655A, 2
 TWEAK:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





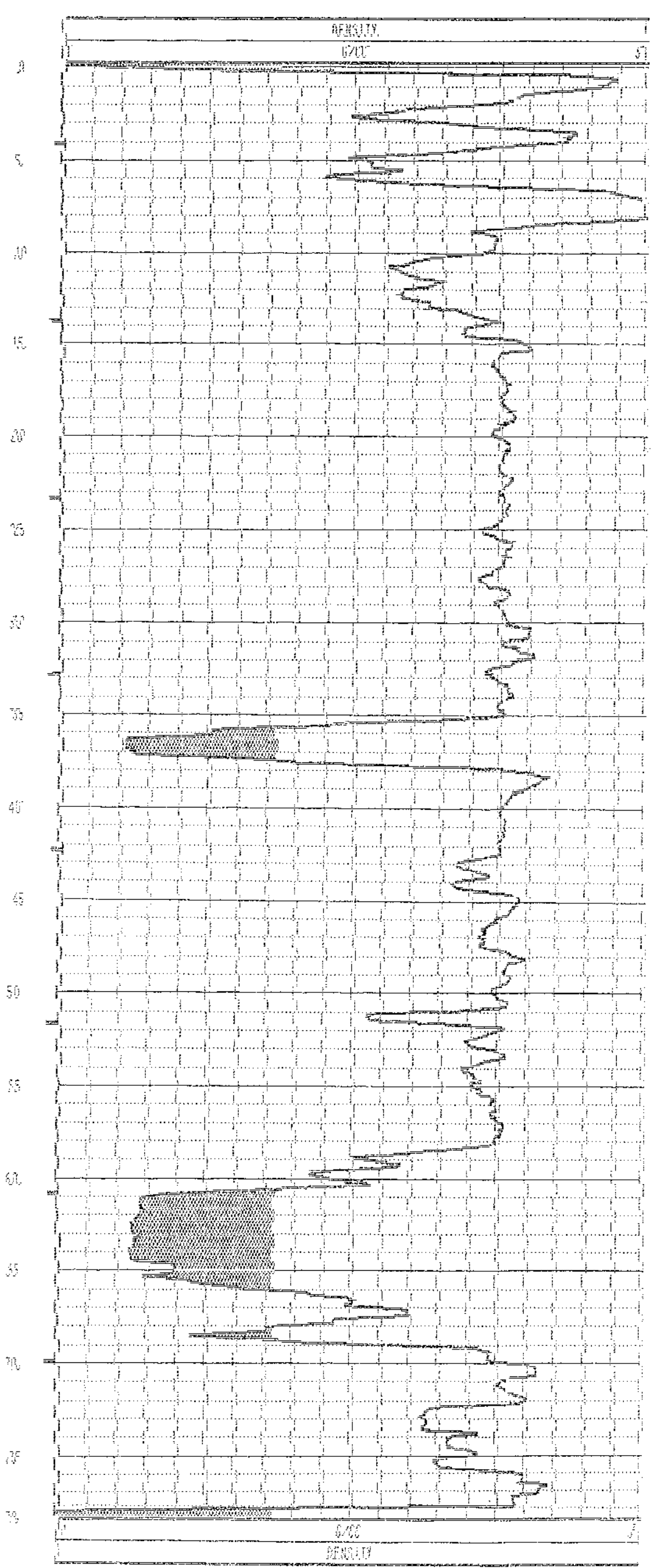
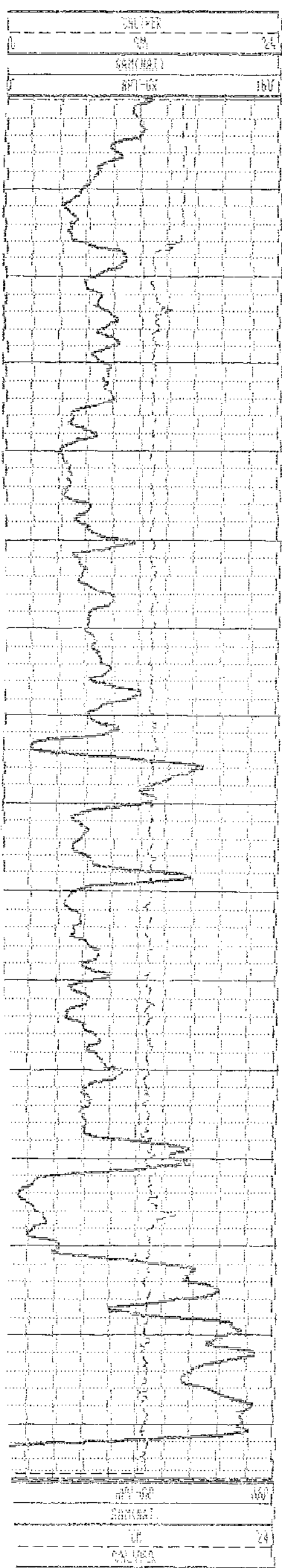
GAMMA-RAY-DENSITY

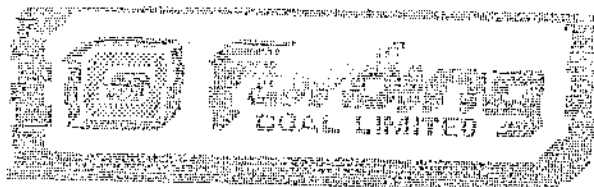
RH#696

COMPANY : Fording Coal
 WELL : R.H. 696
 LOCATION/FIELD : Henretta
 COUNTY :
 STATE :
 SECTION : TOWNSHIP : RANGE :
 DATE : 03/14/93 SURVEY DATUM : ELEVATIONS
 DEPTH DRILLER : DSH ELEV. PERT. SURF. : RF :
 LOG BOTTOM : 70.10 LOG MEASURED FROM : C.L. : LF :
 LOG TOP : -9.10 LOG MEASURED FROM : CI :
 CASING DRILLER : AS LOGGING UNIT : 379
 CASING TYPE : steel FIELD OFFICE : Fording Ser.
 CASING THICKNESS : .285 RECORDED BY : Sandy
 BIT SIZE : 12 BOREHOLE FLUID : H₂O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 98300A
 MATRIX DENSITY : 2.65 100 TEMPERATURE : LOG : 0
 FLUID DENSITY : MATRIX DELTA T : YEAR : 98300A 0
 ELECTRON DENSITY : FLUID DELTA T : THRESHOLD :
 REMARKS :

OTHER SERVICES:
 RH696
 Henretta
 Density

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





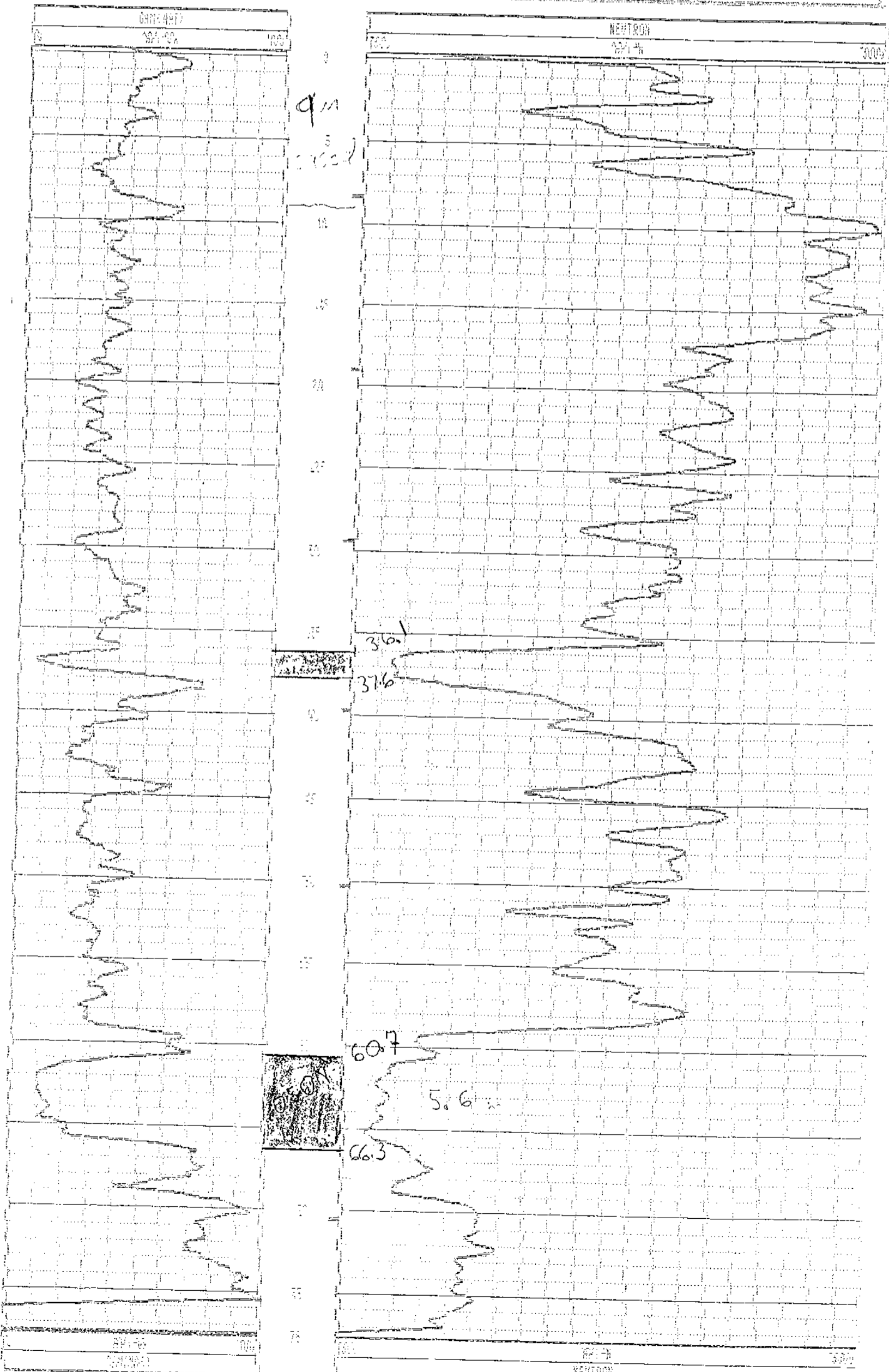
152 300.8 N
23409.6 E
1739.6 m

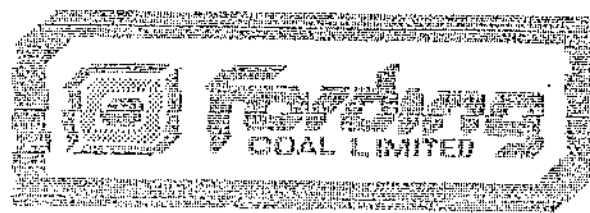
GAMMA-NEUTRON

24#696

COMPANY	: Fordings Coal	OTHER SERVICES:	
WELL	: R-11.696	RMS96	
LOCATION/FIELD	: Xumbali	Turnbul	
COUNTRY	:	G/A	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE
DATE	: 03/13/93	PERMANENT DATUM	: ELEVATIONS
DEPOT DRILLER	: RSW	ELEV. PERM. DATUM	: M
LOG BOTTOM	: 77.72	LOG MEASURED FROM	: G.L.
LOG TOP	: -1.58	LOG MEASURED FROM	: M
CASING DRILLER	: IS	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: Fordings Rvr.
CASING THICKNESS	: .025	RECORDED BY	: Samols
BIT SIZE	: 12	ROPERMILE FLUID	: M 20
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	NO TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA 1	:
NEUTRON MATRIX	:	FLUID DELTA 1	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9855A
		LOG	: 6
		PLAT	: 9855A 6
		THRESH	:

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152,294.0 N
23517.9 E
1749.5m

GAMMA-NEUTRON

RH697

COMPANY : Fording Coal
WELL : R.H.697
LOCATION/FIELD : Turnbull
COUNTY : East Wootton
STATE : VA
SECTION : _____

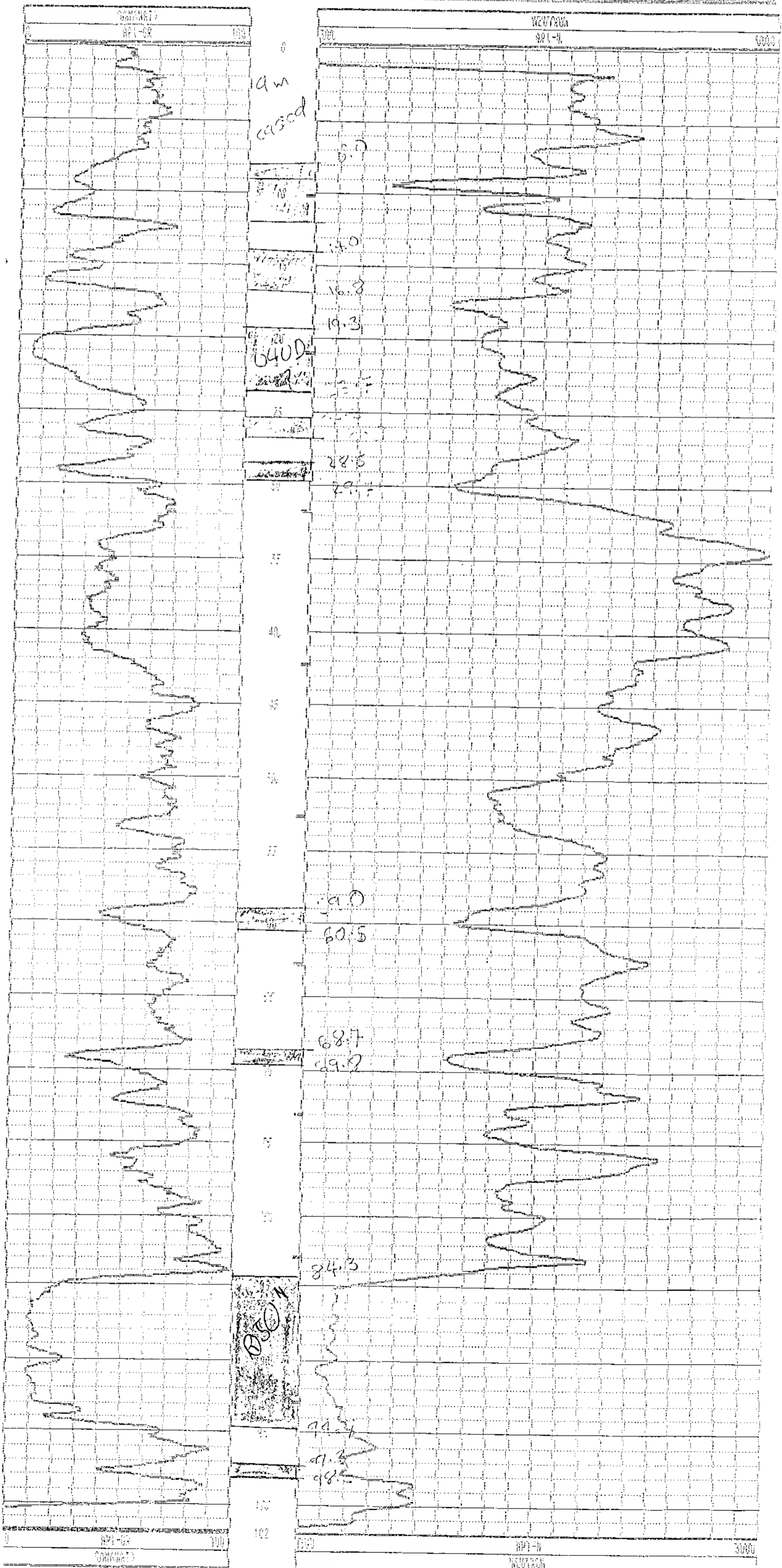
DTWD SERVICES:
RH697
Turnbull
GM

TOWNSHIP : _____ RANGE : _____

DATE : 03/24/93 PERMANENT DATUM : _____ ELEVATIONS
DEPTH DRILLER : 189m ELEV. FERN. DATUM : _____
LOG BOTTOM : 192.89 LOG MEASURED FROM: G.I. DF : 1.45
LOG TDP : 9.89 BRX MEASURED FROM: GL CL : _____
CASING DRILLER : 15 LOGGING UNIT : 379
CASING TYPE : steel FIELD OFFICE : Fording Rvr.
CASING THICKNESS: .625 RECORDED BY : sandy

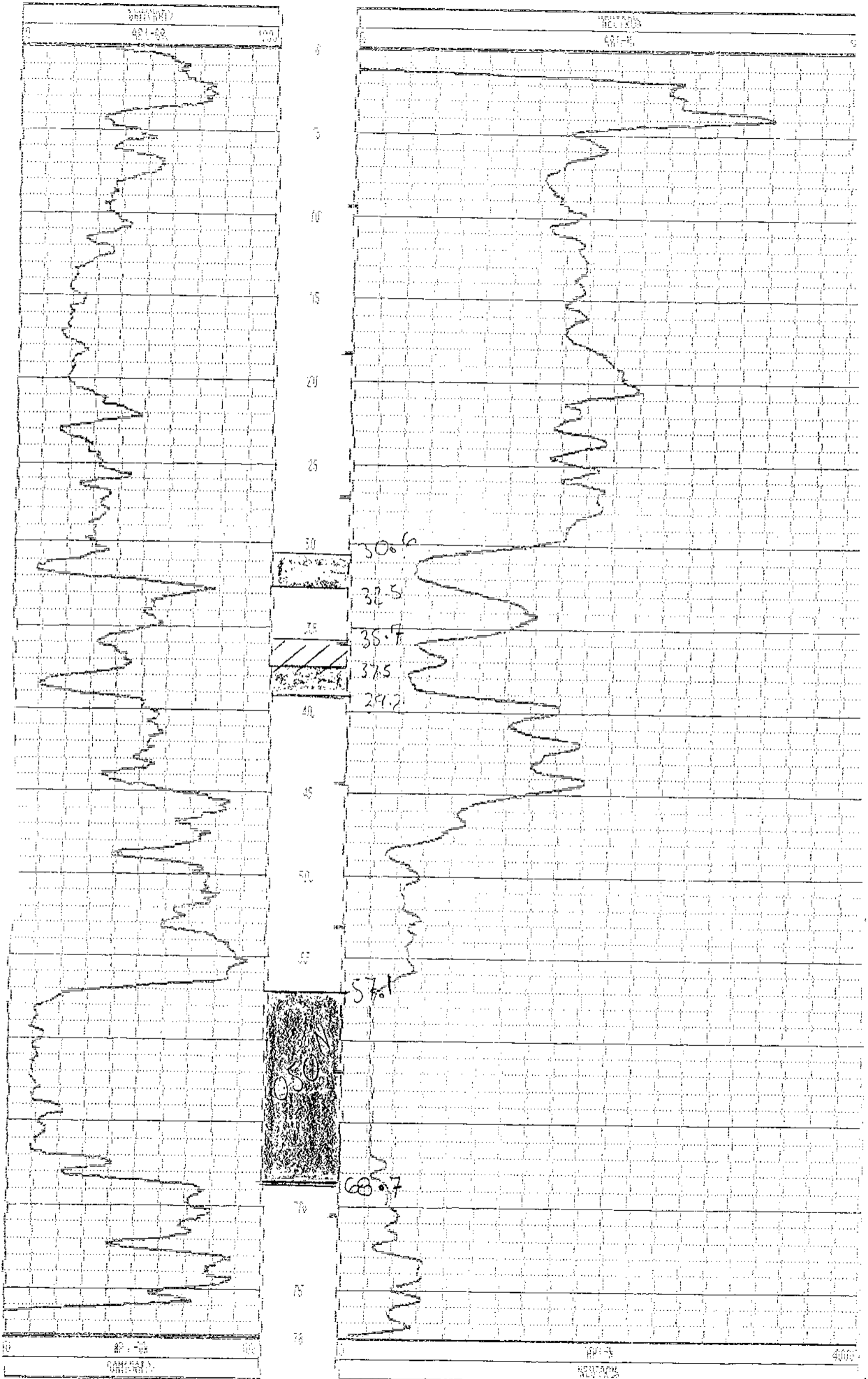
BIT SIZE : 12 BOREHOLE FLUID : M 2a FILE : ORIGINAL
MAGNETIC DECL. : 21 RM : _____ TYPE : 9055A
MATRIX DENSITY : _____ MA TEMPERATURE : _____ LOG : 8
FLUID DENSITY : _____ MATRIX DELTA T : _____ PLOT : 9055A 2
NEUTRON MATRIX : Sandstone FLUID DELTA T : _____ TRISH:
REMARKS : _____

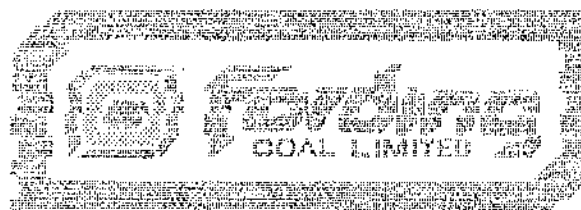
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



152 161.4N
23555.6E
1743.0M

RH# 698



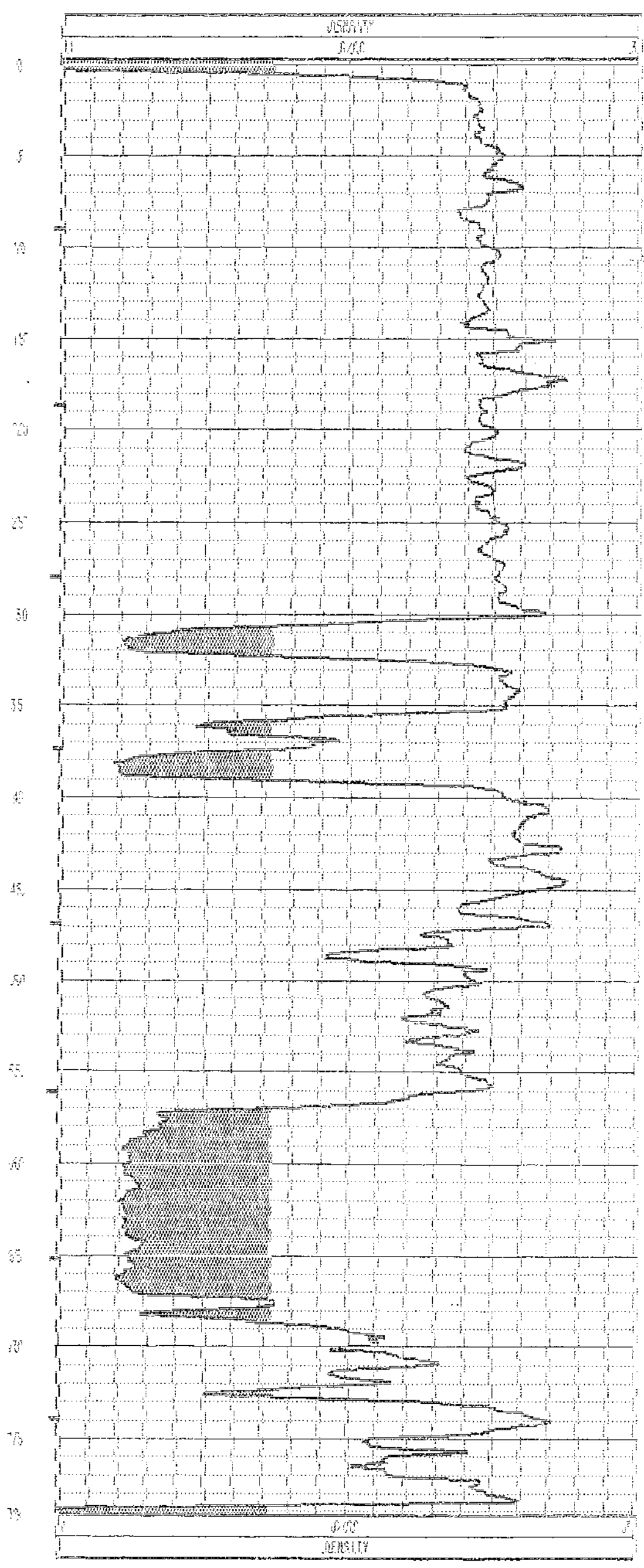
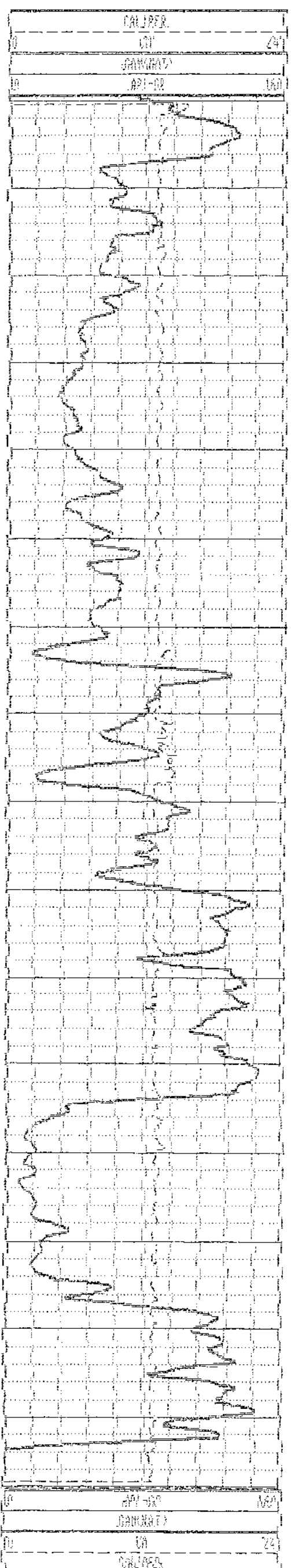


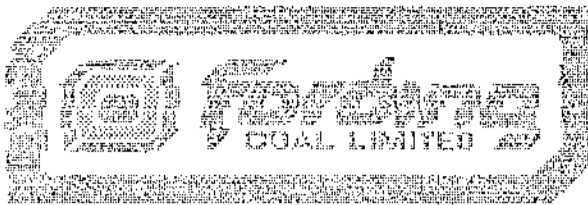
GAMMA-RIS-DENSITY

RH#698

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H.698	RH698	
LOCATION/FIELD	: Turnbull	Turnbull	
COUNTY	:	Density	
STATE	:		
SECTION	:	TOWNSHIP	RANGE
DATE	: 03/13/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 60M	ELEV. FERT. DATUM	: RT
LOG BOTTOM	: 79.58	LOG MEASURED FROM	: G.L.
LOG TOP	: -1.98	DEI MEASURED FROM	: SI
CASING DRILLER	: 15	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: Fording Rvr.
CASING THICKNESS	: .054	RECORDED BY	: Sandy
BIT SIZE	: 12	BARRELS FLUID	: 8 20
MAGNETIC DECL.	: 21	RN	:
MATRIX DENSITY	:	KN TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9800AA
		LOG	: 7
		PLST	: 000000 0
		TRNSM:	

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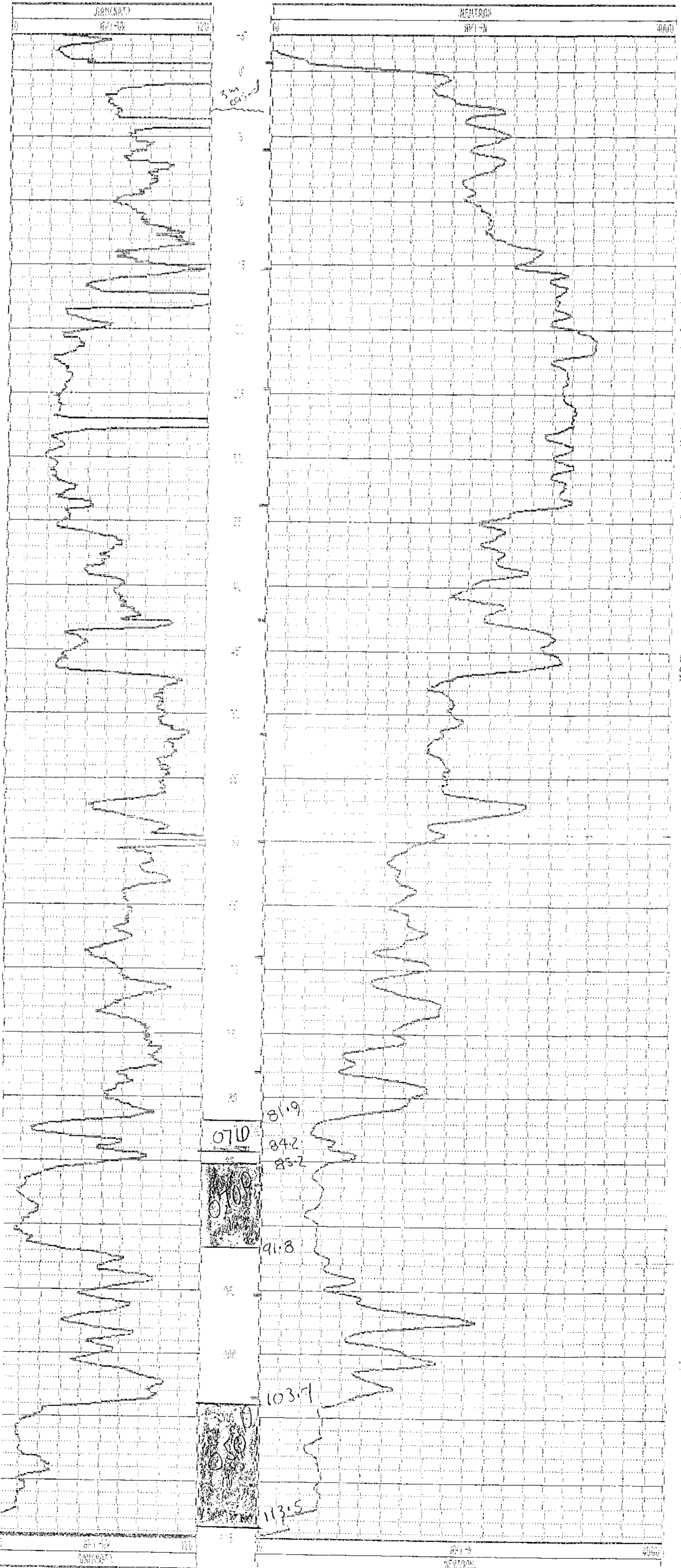
151,997.6 N
23938.6 E
1875.3 m

GAYMO-NEUTRON

RH#699

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 699 TURNBULL	34594	
LOCATION/FIELD	: Turnbull	Turnbull	
COUNTRY	:	S/M	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 03/11/92	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 105	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 414.55	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -2.69	DMI MEASURED FROM:	GI :
CASING DRILLER	: 15	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: Fording Rvr.
CASING THICKNESS:	.203	RECORDED BY	: Sandy
BIT SIZE	: 12	DRILLING FLUID	: H 20
MAGNETIC DECL.	: 21	RA	:
MATRIX DENSITY	:	TM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 4
		PLAT	: 9055A 8
		WIRELOG	:

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ROKE

GAMMA RAY NEUTRON LOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

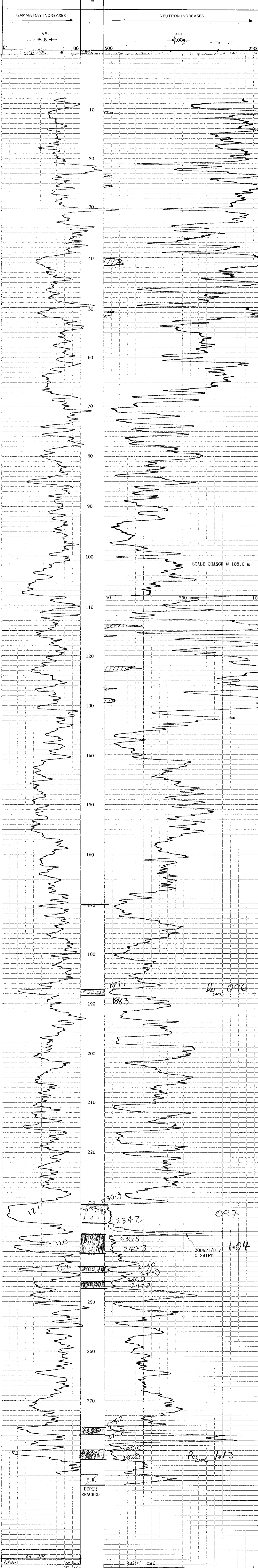
2322

FILE NO.	COMPANY	FORBING COAL LIMITED
WELL	RI 23 22	RH # 2322
LOCATION	FORBING RIVER MINE	
PROVINCE	BRITISH COLUMBIA	
FIELD	ELKFOOD	
PERMANENT DATUM	GROUND LEVEL	Other Services:
LOG MEASURED FROM	GROUND LEVEL	NTL
100% DEPTH MEASURED FROM	GROUND LEVEL	K.B.
		C.S.G.
		G.L.
		230 METRIC
Run No.	ONE	
Date	31 AUGUST 1993	
First Reading	286.8	
Art Reading	1.5	
Fracture Logged	285.3	
Depth Reached	287.1	
Depth Driller	292.3	
Casing Roke		
Casing Driller		
Fluid Type	AIR/WATER	
Min. Diam.		
Run @		
Operating Time	10:15 - 12:00	
Truck No.	51	
Recorded By	MURRAY	Witnessed By
		NESTL

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	125A	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	32 mm	TOOL MODEL NO.	125A
DETECTOR MODEL NO.		DIAMETER	32 mm
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10 cm	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.15 m	LENGTH	15 cm
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	171
HOIST TRUCK NO.		SPACING	43 cm
INSTRUMENT TRUCK NO.	51	TYPE	AmBe
TOOL SERIAL NO.	125A010	STRENGTH	3 CURRIES

LOGGING DATA											
RUN NO.	GENERAL		GAMMA RAY				NEUTRON				
	FROM	TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
ONE	8.0	108	6.5		DAC = 0.2	0	8		DAC = 0.2	-5	100
ONE	108	286.8	6.5		DAC = 0.2	0	8		DAC = 0.2	-1	50

REMARKS LOGGED THROUGH THE DRILL RODS.



BR CAL 10 DEV ADJUS
NEUT. CAL 10 DEV ADJUS

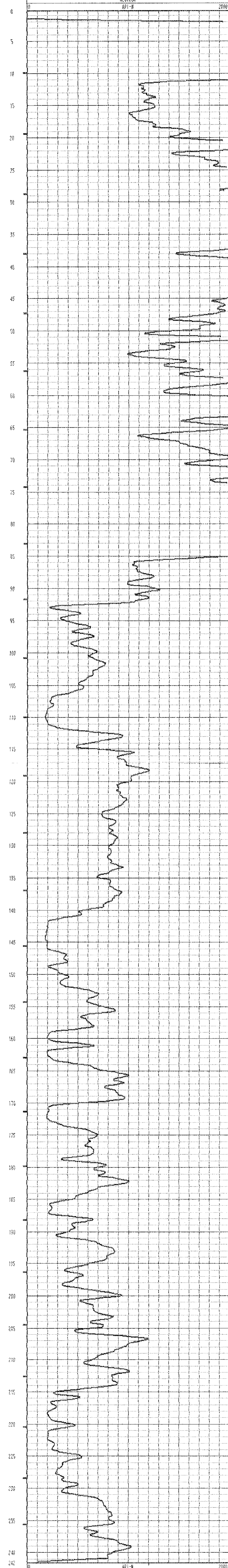
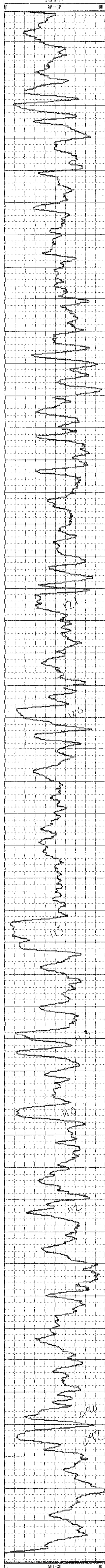


GAMMA-NEUTRON

2323

COMPANY : Fording Coal	OTHER SERVICES: R.H.2323
WELL : R.H.2323	G/N Henretta
LOCATION/FIELD : Henretta	
COUNTY : B.C.	
STATE : E. Kootenai	
SECTION : _____	TOWNSHIP : _____
	RANGE : _____
DATE : 07/21/93	PERMANENT DATUM : _____
DEPTH DRILLER : 244n	ELEV. PERM. DATUM: _____
LOG BOTTOM : 241.60	LOG MEASURED FROM: G.L.
LOG TOP : 0.50	DRL MEASURED FROM: _____
CASING DRILLER : 15	LOGGING UNIT : 379
CASING TYPE : Steel	FIELD OFFICE : Fording Rvr.
CASING THICKNESS: .125	RECORDED BY : Sandy
BIT SIZE : _____	BOREHOLE FLUID : H2O
MAGNETIC DECL. : 21	RM : _____
MATRIX DENSITY : 2.65	RM TEMPERATURE : _____
FLUID DENSITY : 1.0	MATRIX DELTA T : 173
NEUTRON MATRIX : _____	FLUID DELTA T : 690
REMARKS : _____	FILE : ORIGINAL
Through steel log	TYPE : 9055A
	LOG : 7
	PLOT : 9055A 0
	THRESH: _____

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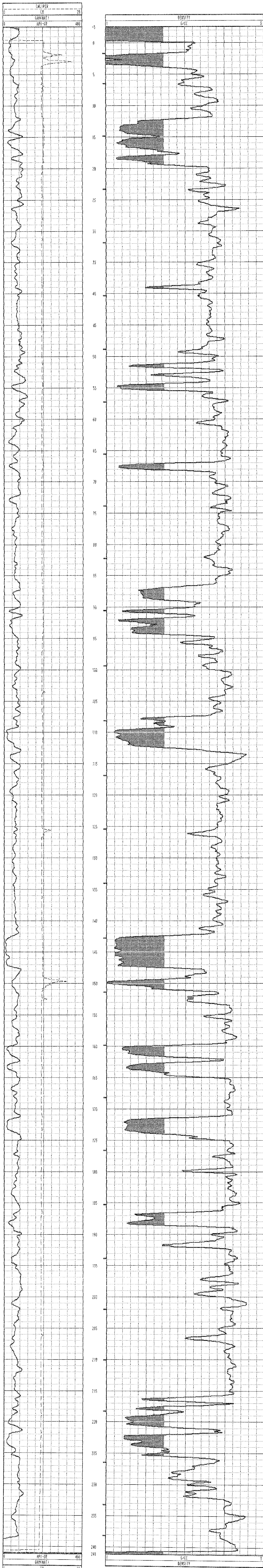


CLIENT : Fording Coal HOLE ID. : RH 2323 DEV
 FIELD OFFICE : Fording Rvr. DATE OF LOG : 07/24/93
 DATA FROM : PROBE : 9055A 7
 MAG. COR. : 21.000 DEPTH UNITS : METERS LOG 0

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
31.2	31.20	0.00	0.00	0.0	0.0	0.0	0.0
31.2	31.26	-0.02	-0.14	0.1	261.9	1.0	267.3
41.2	41.20	-0.03	-0.34	0.3	265.2	1.3	266.2
51.2	51.19	-0.08	-0.54	0.5	261.4	1.1	245.0
61.2	61.19	-0.19	-0.65	0.7	253.7	0.8	215.4
71.2	71.19	-0.29	-0.69	0.7	247.4	0.6	185.1
81.2	81.19	-0.40	-0.69	0.8	240.3	0.8	191.1
91.2	91.19	-0.55	-0.72	0.9	232.5	1.0	184.8
101.2	101.19	-0.75	-0.71	1.0	223.4	1.4	174.2
111.2	111.19	-0.97	-0.65	1.2	213.6	1.1	150.6
121.2	121.18	-1.08	-0.55	1.2	207.1	0.7	134.3
131.2	131.18	-1.15	-0.47	1.2	202.1	0.6	127.7
141.2	141.18	-1.24	-0.36	1.3	196.2	0.9	124.4
151.2	151.18	-1.34	-0.22	1.4	189.5	1.0	135.7
161.2	161.18	-1.52	-0.08	1.5	182.9	1.7	132.2
171.2	171.17	-1.70	0.17	1.7	174.2	2.1	119.4
181.2	181.17	-1.89	0.53	2.0	164.3	2.6	112.5
191.2	191.15	-2.09	0.99	2.3	154.5	3.3	115.3
201.2	201.14	-2.31	1.54	2.8	146.3	3.6	110.8
211.2	211.11	-2.56	2.20	3.4	139.3	4.1	109.7
221.2	221.08	-2.76	2.91	4.0	133.5	4.0	99.6
231.2	231.05	-2.89	3.66	4.7	128.3	4.9	97.0
241.2	241.01	-3.02	4.57	5.5	123.5	0.0	0.0
241.3	240.91	-3.02	4.57	5.5	123.5	0.0	0.0

Deviation RH 2323

RH # 2323



CLIENT : FORDING COAL
 FIELD OFFICE : CALGARY
 DATA FROM :
 MAG. DECL. : 21.000

HOLE ID. : RH-2324
 DATE OF LOG : 09/11/93
 PROBE : 9055A
 DEPTH UNITS : METER

2324
 7
 LOG 8

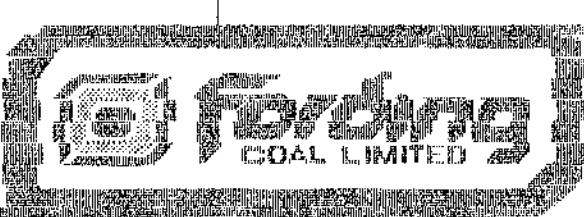
CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.0	10.00	0.12	0.12	0.2	46.4	2.2	53.9
15.0	14.99	0.25	0.27	0.4	47.8	2.6	47.6
20.0	19.99	0.38	0.43	0.6	48.5	2.5	50.0
25.0	24.98	0.53	0.60	0.8	48.7	2.6	51.1
30.0	29.98	0.68	0.80	1.0	49.5	2.9	54.9
35.0	34.97	0.83	0.99	1.3	50.0	3.0	56.4
40.0	39.96	0.98	1.20	1.5	50.9	3.2	58.3
45.0	44.96	1.12	1.44	1.8	52.2	3.1	60.1
50.0	49.95	1.25	1.69	2.1	53.5	3.3	60.9
55.0	54.94	1.37	1.95	2.4	54.9	3.4	65.0
60.0	59.93	1.48	2.23	2.7	56.4	3.4	71.7
65.0	64.92	1.57	2.52	3.0	58.1	3.4	75.6
70.0	69.91	1.64	2.80	3.2	59.7	3.5	76.6
75.0	74.91	1.71	3.09	3.5	61.1	3.3	75.7
80.0	79.90	1.77	3.38	3.8	62.3	3.4	79.4
85.0	84.89	1.83	3.68	4.1	63.6	2.9	87.0
90.0	89.88	1.92	3.99	4.4	64.3	3.8	70.6
95.0	94.86	2.01	4.32	4.8	65.1	3.9	76.5
100.0	99.85	2.09	4.64	5.1	65.8	3.6	78.2
105.0	104.84	2.15	4.98	5.4	66.6	3.8	79.4
110.0	109.83	2.21	5.31	5.8	67.4	3.9	83.0
115.0	114.82	2.25	5.66	6.1	68.3	4.0	86.8
120.0	119.81	2.28	6.00	6.4	69.2	4.1	87.2
125.0	124.79	2.29	6.36	6.8	70.2	4.0	95.9
130.0	129.78	2.30	6.71	7.1	71.1	4.2	89.3
135.0	134.77	2.34	7.10	7.5	71.8	4.7	86.5
140.0	139.75	2.35	7.53	7.9	72.7	5.2	88.8
145.0	144.72	2.34	8.01	8.3	73.7	5.7	95.0
150.0	149.70	2.30	8.53	8.8	74.9	6.1	94.9
155.0	154.67	2.25	9.07	9.3	76.1	6.4	96.5
160.0	159.63	2.17	9.64	9.9	77.3	6.9	99.8
165.0	164.59	2.05	10.26	10.5	78.7	7.3	104.0
170.0	169.55	1.89	10.91	11.1	80.2	8.0	104.4
175.0	174.50	1.71	11.61	11.7	81.6	8.5	105.4
180.0	179.44	1.49	12.33	12.4	83.1	9.0	107.2
185.0	184.38	1.27	13.07	13.1	84.5	9.1	107.5
190.0	189.31	1.04	13.83	13.9	85.7	9.5	105.8
195.0	194.24	0.81	14.65	14.7	86.8	10.1	105.9
200.0	199.16	0.56	15.52	15.5	87.9	10.8	107.4
205.0	204.07	0.29	16.44	16.4	89.0	11.2	105.1
210.0	208.96	-0.00	17.41	17.4	90.0	12.1	106.9
215.0	213.85	-0.32	18.42	18.4	91.0	12.4	107.7
220.0	218.73	-0.65	19.45	19.5	91.9	12.6	107.7
225.0	223.60	-0.98	20.51	20.5	92.7	13.0	107.7
230.0	228.47	-1.33	21.60	21.6	93.5	13.3	106.7
235.0	233.33	-1.68	22.72	22.8	94.2	13.6	108.2
240.0	238.19	-2.05	23.86	23.9	94.9	13.8	108.6
245.0	243.04	-2.43	25.01	25.1	95.5	14.0	108.2
250.0	247.89	-2.80	26.15	26.3	96.1	13.8	107.4
253.7	251.47	-3.05	26.96	27.1	96.5	0.0	0.0

***** COMPU-LOG - VERTICAL DEVIATION *****

2325

CLIENT : Fording Coal HOLE ID. : R.H.2325
 FIELD OFFICE : Fording Rvr. DATE OF LOG : 03/08/93
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

ABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
10.0	10.00	-0.03	0.23	0.2	97.8	1.6	92.7
20.0	19.99	-0.10	0.60	0.6	99.1	1.0	67.8
30.0	29.99	-0.03	0.74	0.7	92.3	1.1	83.6
40.0	39.98	0.02	0.93	0.9	88.5	0.8	226.1
50.0	49.97	-0.47	1.09	1.2	113.1	3.8	122.8
60.0	59.96	-0.46	1.55	1.6	106.5	2.4	97.8
70.0	69.95	-0.72	1.76	1.9	112.3	3.6	157.1
80.0	79.93	-0.74	2.23	2.4	108.4	3.0	83.3
90.0	89.92	-0.64	2.74	2.8	103.2	3.7	67.1
100.0	99.91	-0.52	3.20	3.2	99.3	4.4	123.5
110.0	109.88	-0.89	3.84	3.9	103.0	5.2	109.2
120.0	119.85	-1.16	4.55	4.7	104.3	4.6	103.7
130.0	129.82	-1.34	5.28	5.4	104.3	4.1	106.0
140.0	139.79	-1.43	6.06	6.2	103.3	5.2	88.7
150.0	149.75	-1.37	6.90	7.0	101.2	4.9	80.8
160.0	159.71	-1.19	7.76	7.9	98.7	5.5	73.0
170.0	169.67	-0.91	8.65	8.7	96.0	5.4	72.1
180.0	179.62	-0.58	9.57	9.6	93.4	5.6	70.8
190.0	189.57	-0.24	10.51	10.5	91.3	5.7	69.7
200.0	199.52	0.08	11.47	11.5	89.6	6.0	71.0
203.4	202.70	0.19	11.78	11.8	89.1	0.0	0.0



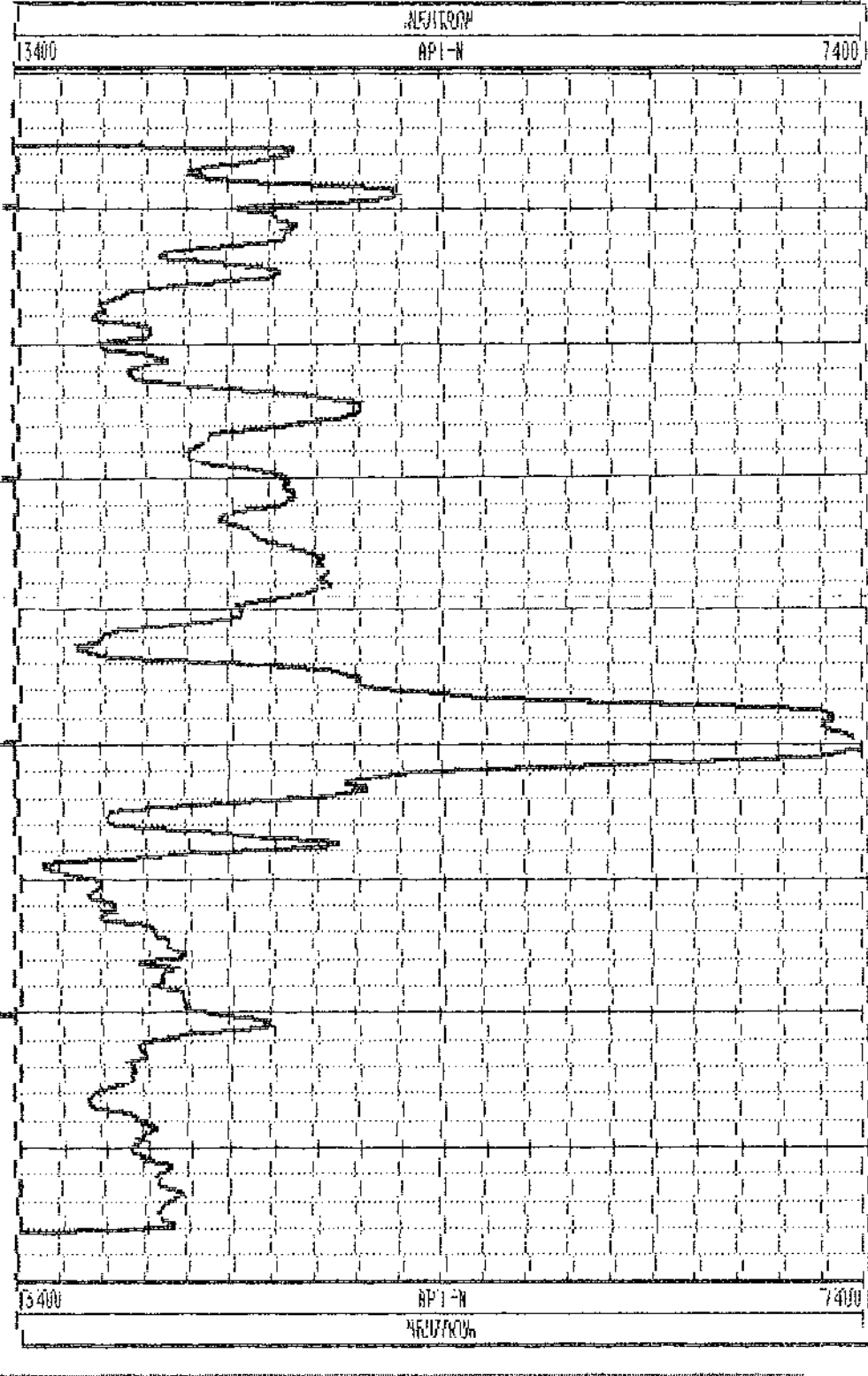
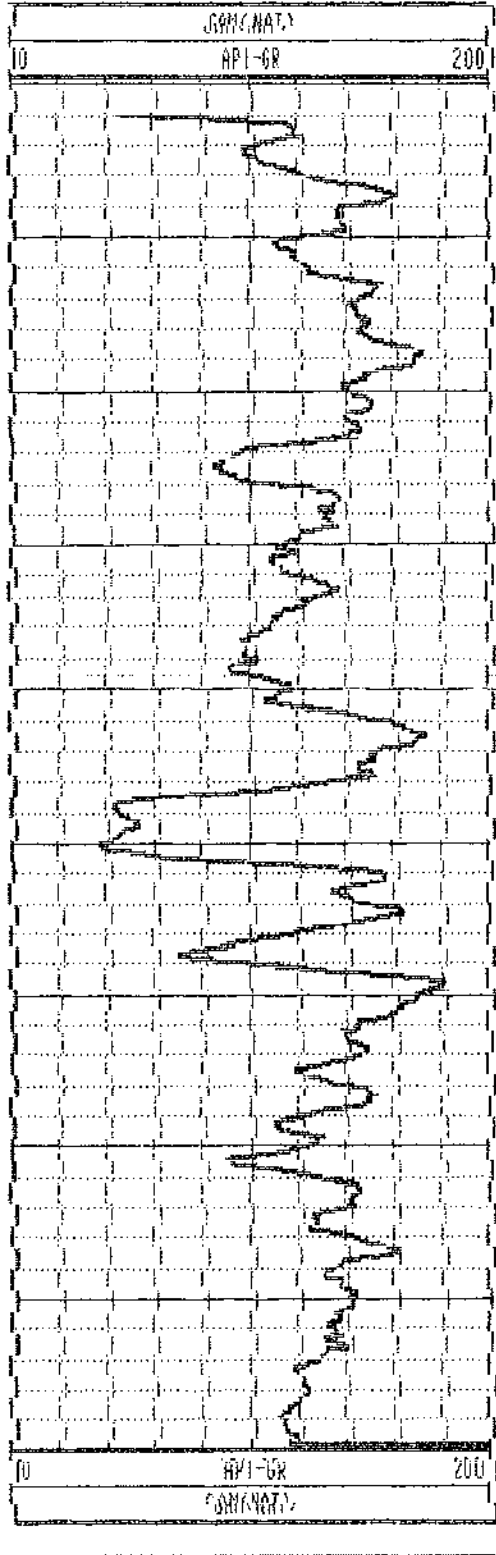
GAMMA-NEUTRON

RH2325

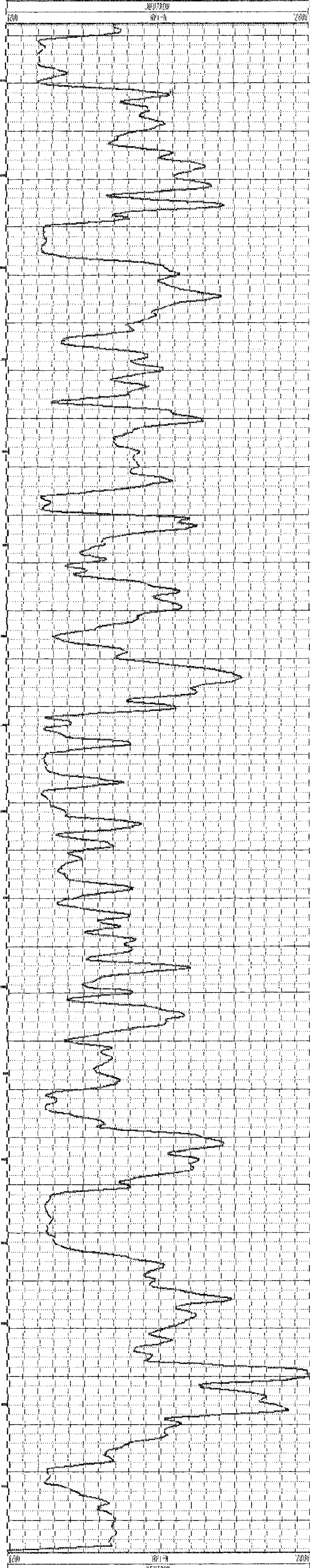
COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H.2325	RH2325	
LOCATION/FIELD	: Henretta	Henretta	
COUNTY	:	C/A Dev.	
STATE	:		
SECTION	:	TOWNSHIP	
	:	RANGE	
DATE	: 03/08/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 200m	ELEN. PERM. DATUM:	KF
LOG BOTTOM	: 202.49	LOG MEASURED FROM:	G.I.
LOG TOP	: 1.10	DRI MEASURED FROM:	CI
CASING DRILLER	: 21	LOGGING UNIT	: 379
CASING TYPE	: steel	FIELD OFFICE	: Fording Riv.
CASING THICKNESS:	.025	RECORDED BY	: Sandy
BIT SIZE	: 12	BOREHOLE FLUID	: H 2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX WEIGHT	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 0
		PLST	: 00250 0
		WRESH:	

Hole Open To 200.56 m March 7th 1993

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



R.H.2325 03/08/93 232



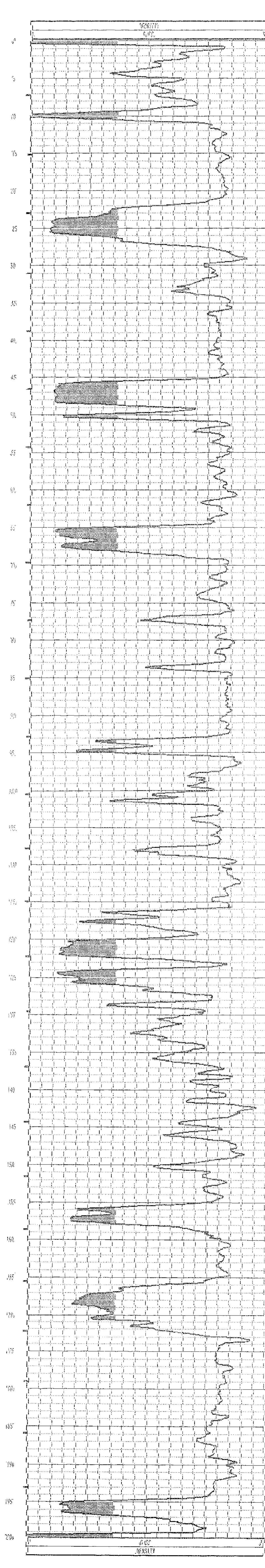
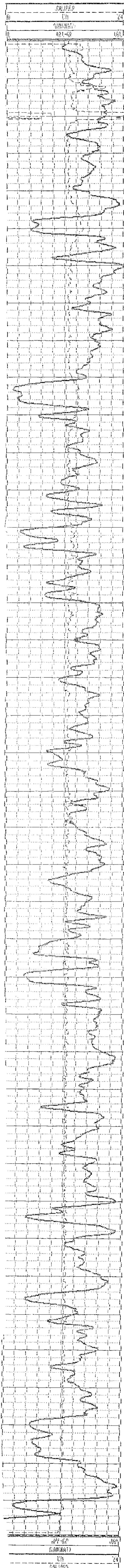
R.H.2368 03/08/93 232

BIT SIZE : 12 ROEMBLE FLUID : H 2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9838AA
 MATRIX DENSITY : RA TEMPERATURE : LOG : 2
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9838AA 0
 NEUTRON MATHY. : FLUID DELTA T : THRESH:

Hole Open To 208.56 m March 7th 1993

RH # 2325

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2369

***** COMPU-LOG - VERTICAL DEVIATION *****

CLIENT : Fording Coal HOLE ID. : R.H.2369
 FIELD OFFICE : Fording Rvr. DATE OF LOG : 03/07/93
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 5

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	0.01	0.02	0.0	69.3	2.1	70.4
10.0	9.99	-0.05	0.21	0.2	104.5	2.1	96.2
20.0	19.99	-0.13	0.55	0.6	103.0	2.9	68.0
30.0	29.98	0.20	0.79	0.8	76.1	1.9	354.0
40.0	39.97	0.57	0.72	0.9	51.9	1.4	310.5
50.0	49.97	0.77	0.59	1.0	37.3	0.8	305.9
60.0	59.96	1.00	0.70	1.2	35.3	2.5	2.9
70.0	69.95	1.35	0.82	1.6	31.3	3.0	76.6
80.0	79.94	1.45	1.30	1.9	41.9	2.6	77.2
90.0	89.92	1.67	1.76	2.4	46.6	3.3	54.1
100.0	99.91	2.01	1.73	2.7	40.8	2.1	310.6
110.0	109.90	2.24	1.46	2.7	33.0	1.8	284.8
120.0	119.89	2.53	1.41	2.9	29.1	2.9	313.1
130.0	129.88	2.80	1.03	3.0	20.1	2.6	298.0
140.0	139.87	3.04	0.61	3.1	11.4	2.9	300.7
150.0	149.86	3.32	0.20	3.3	3.5	3.2	312.4
160.0	159.84	3.64	-0.21	3.6	356.8	3.4	313.6
170.0	169.83	3.92	-0.60	4.0	351.3	2.3	302.6
180.0	179.82	4.21	-0.96	4.3	347.1	1.4	304.4
190.0	189.81	4.40	-1.22	4.6	344.6	2.3	329.2
199.1	198.71	4.62	-1.37	4.8	343.5	0.0	0.0

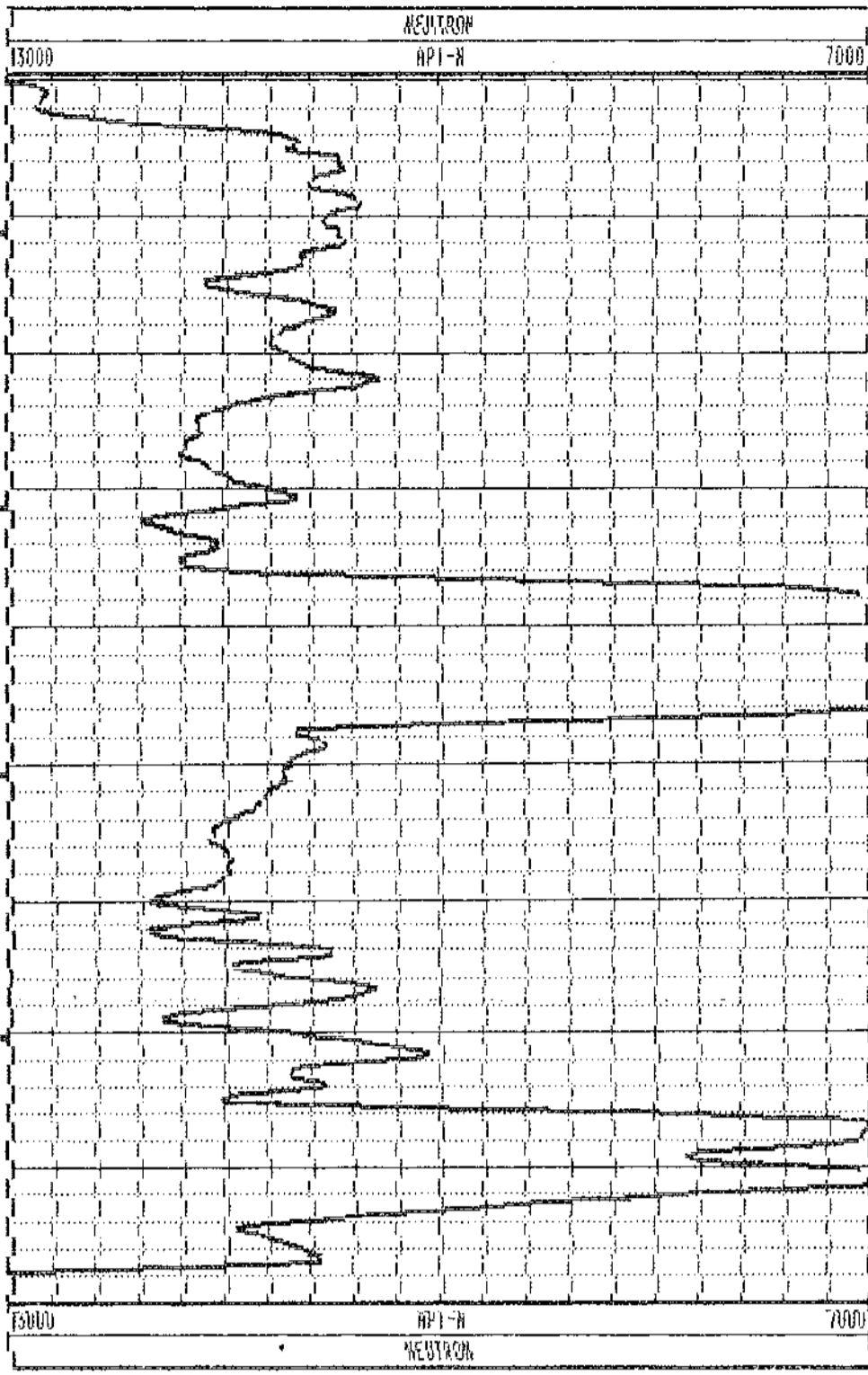
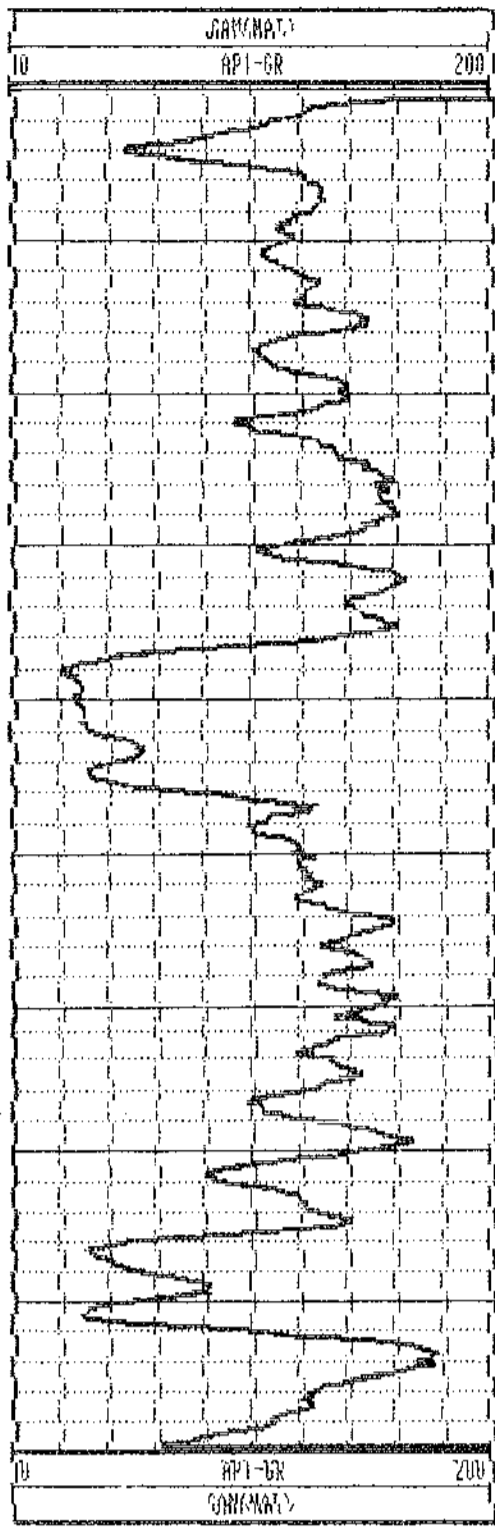


GAMMA-NEUTRON

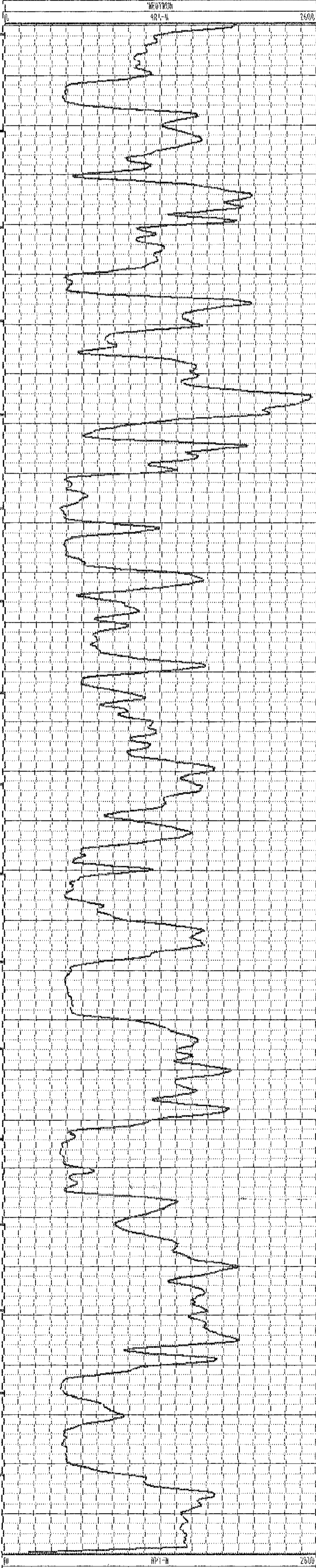
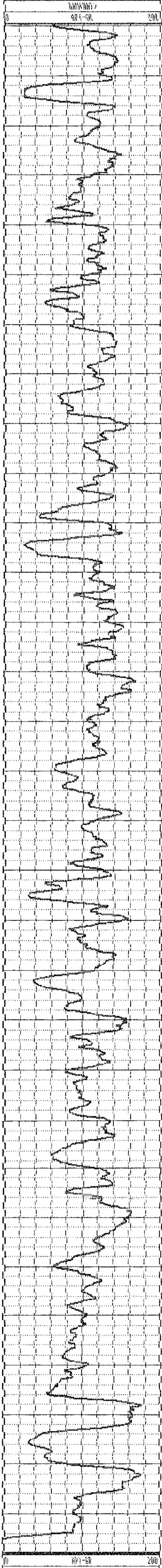
RH #2369

COMPANY : Fording Coal	OTHER SERVICES:
WELL : R.H.2369	RH2369
LOCATION/FIELD : Henretta	Henretta
COUNTY :	G/W Dev.
STATE :	
SECTION :	TOWNSHIP :
DATE : 03/07/93	PERMANENT DATUM :
DEPTH DRILLER : 2606	ELEV. FERRY. DATUM:
LOG BOTTOM : 199.29	LOG MEASURED FROM: S.L.
LOG TOP : -3.29	LOG MEASURED FROM: CL
CASING DRILLER : 21	LOGGING UNIT : 379
CASING TYPE : steel	FIELD OFFICE : Fording Riv.
CASING THICKNESS: .025	RECORDS # : Sandy
BIT SIZE : 12	BOREHOLE FLUID : H 2o
MAGNETIC DECL. : 21	RA :
MATRIX DENSITY :	RA TEMPERATURE :
FLUID DENSITY :	MATRIX DELTA T :
NEUTRON MATRIX :	FLUID DELTA T :
REMARKS :	FILE : ORIGINAL
Open Hole G/N Deviation	TYPE : 9055A
	LOG : 2
	PLS# : 9055A 0
	TRACES:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



R.H.2369 03/07/93 232



R.H.2369 03/07/93 232

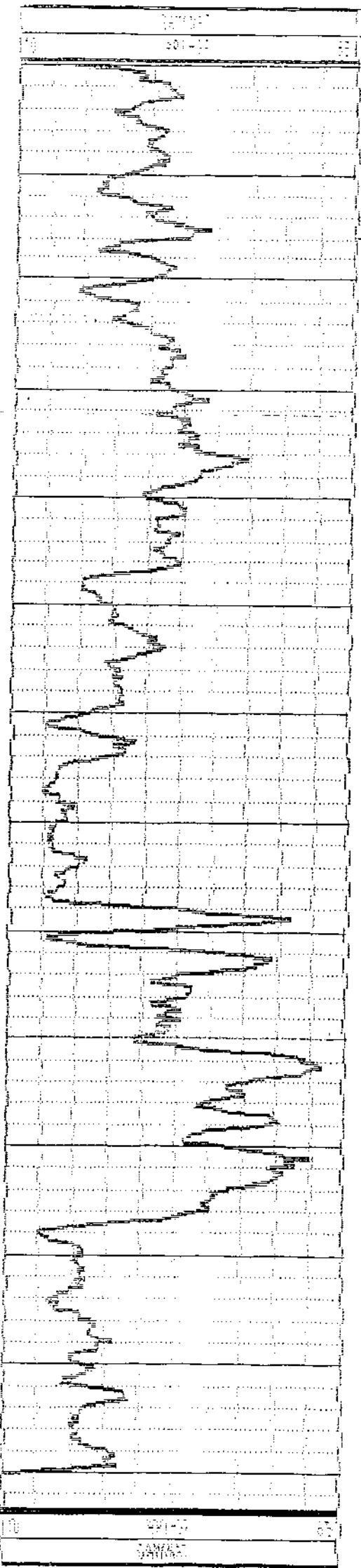
BIT SIZE :
 MAGNETIC DEVIATION : 0.1
 MINIMUM DENSITY : 1.185
 FLUID DENSITY : 1.18
 NEUTRON CAPTURE :
 REMARKS :
 LOGGING SPEED : 100

RESERVOIR FLUID : OIL
 TEMPERATURE :
 MINIMUM DENSITY : 1.18
 FLUID DENSITY : 1.18

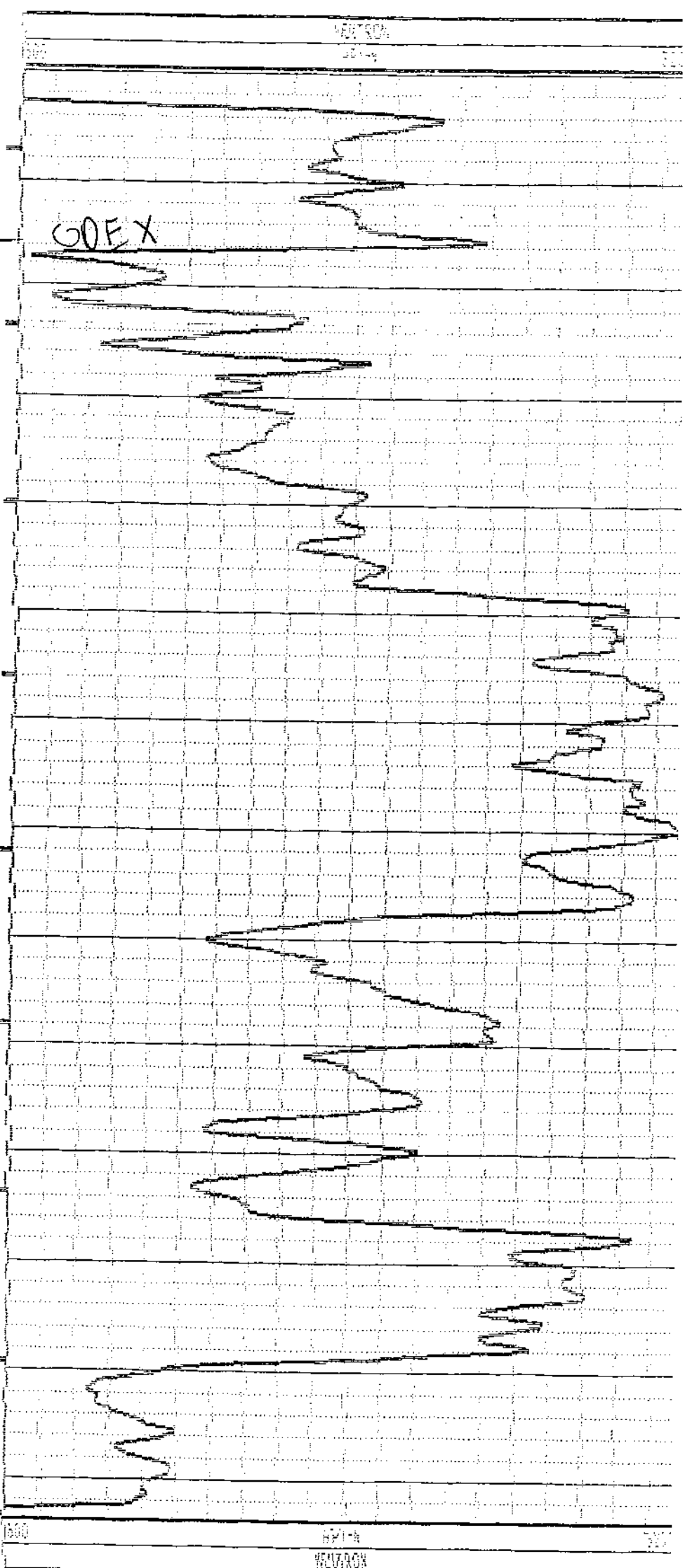
FILE : ORIGINAL
 TYPE : 90550
 LOG : 6
 PLAN : WBSA 6
 TAREDA:

RH # 2402

ALL DATA ARE PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

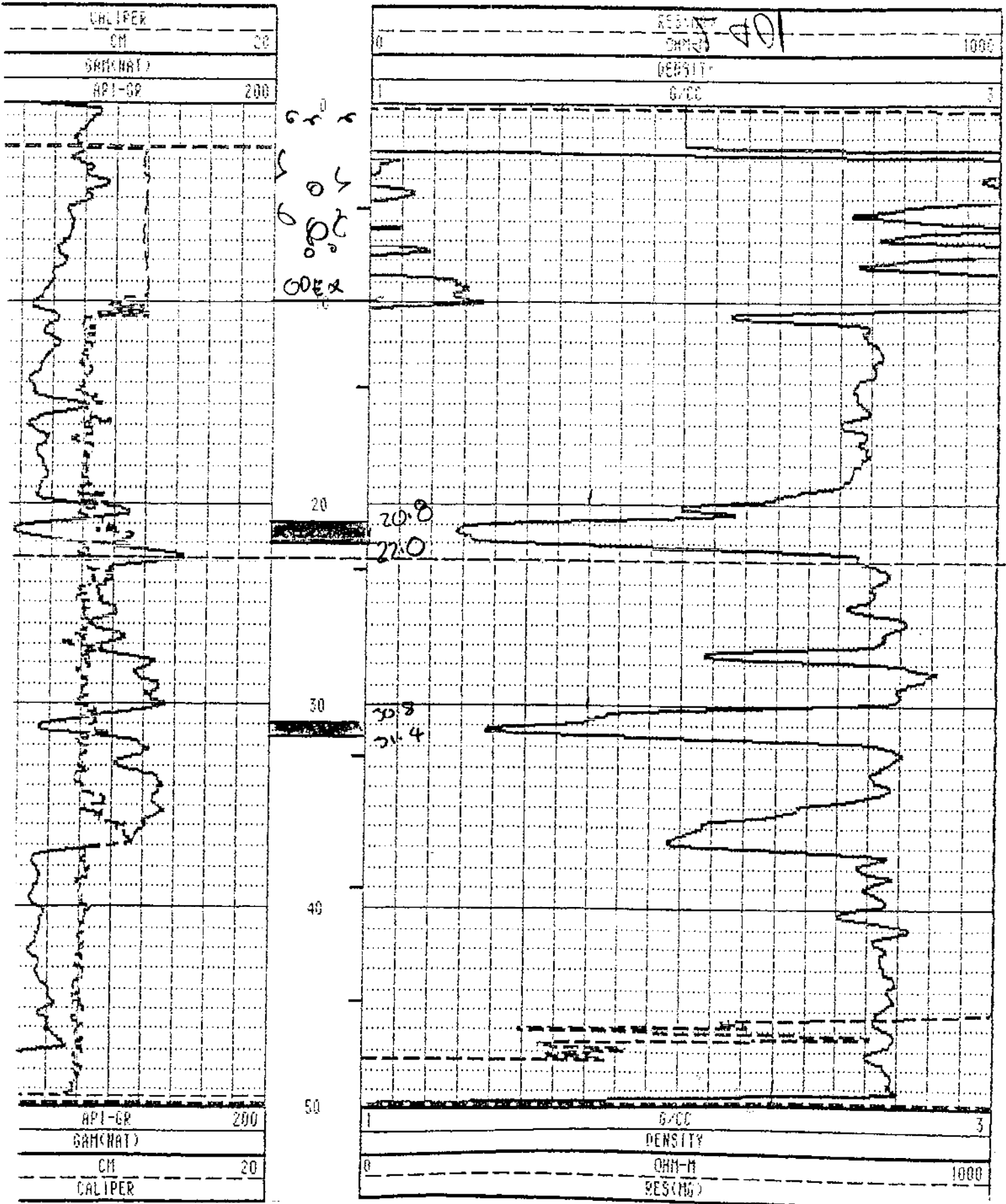


0.8
 0.6
 0.4
 0.2

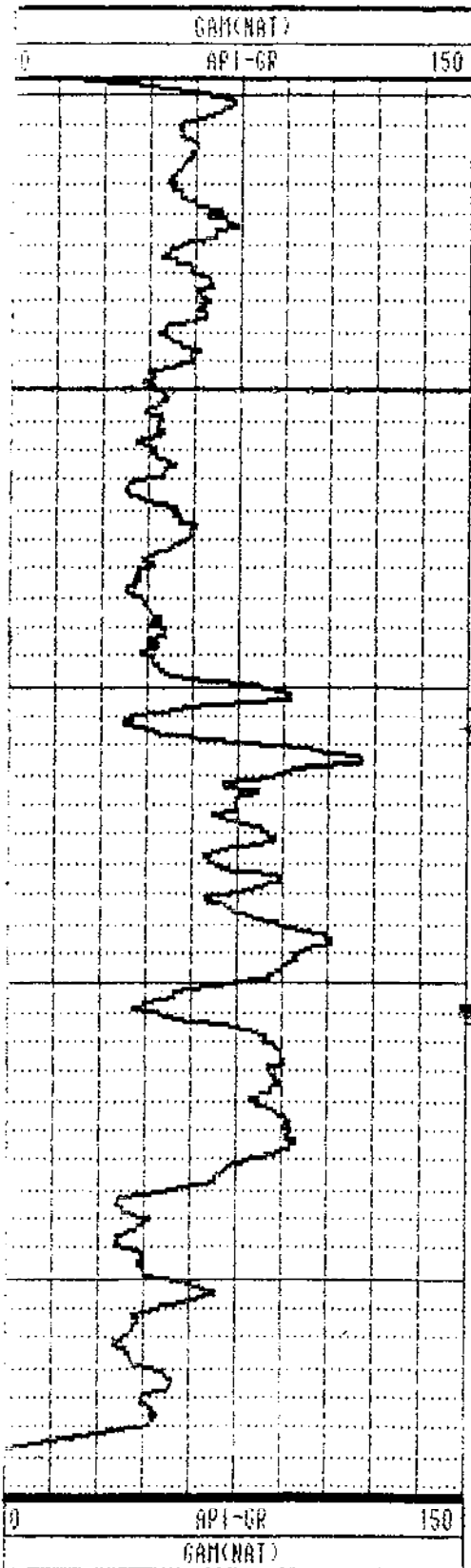


GDEX

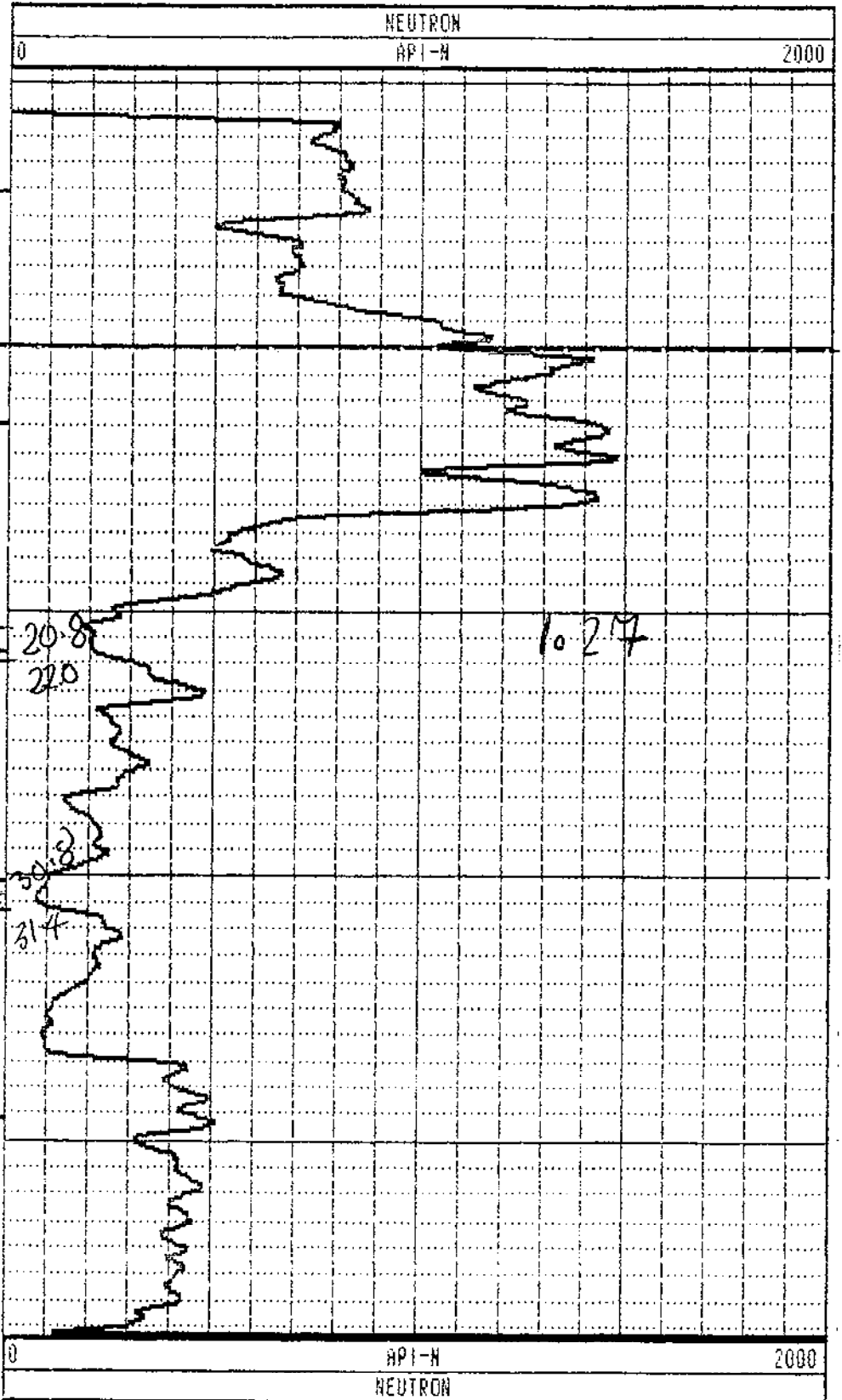
RH #2401



RH # 2401



200
200
200
08'



20

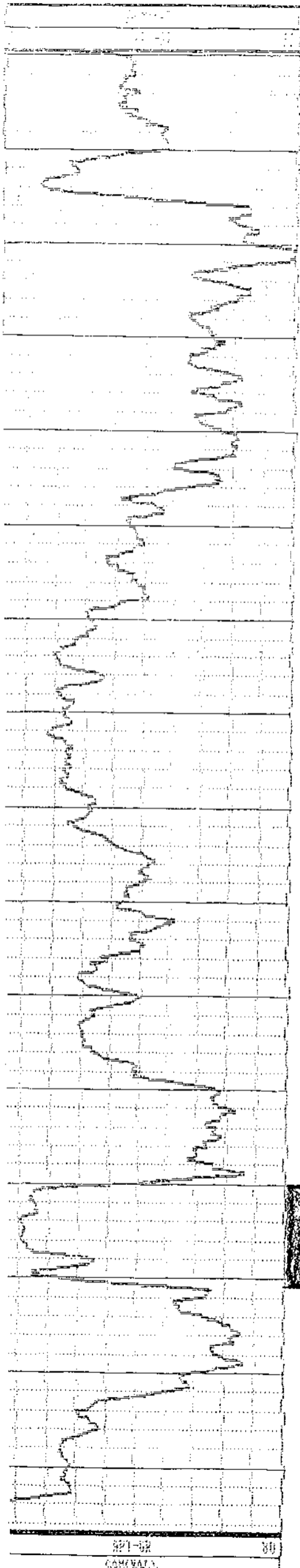
30

40

47

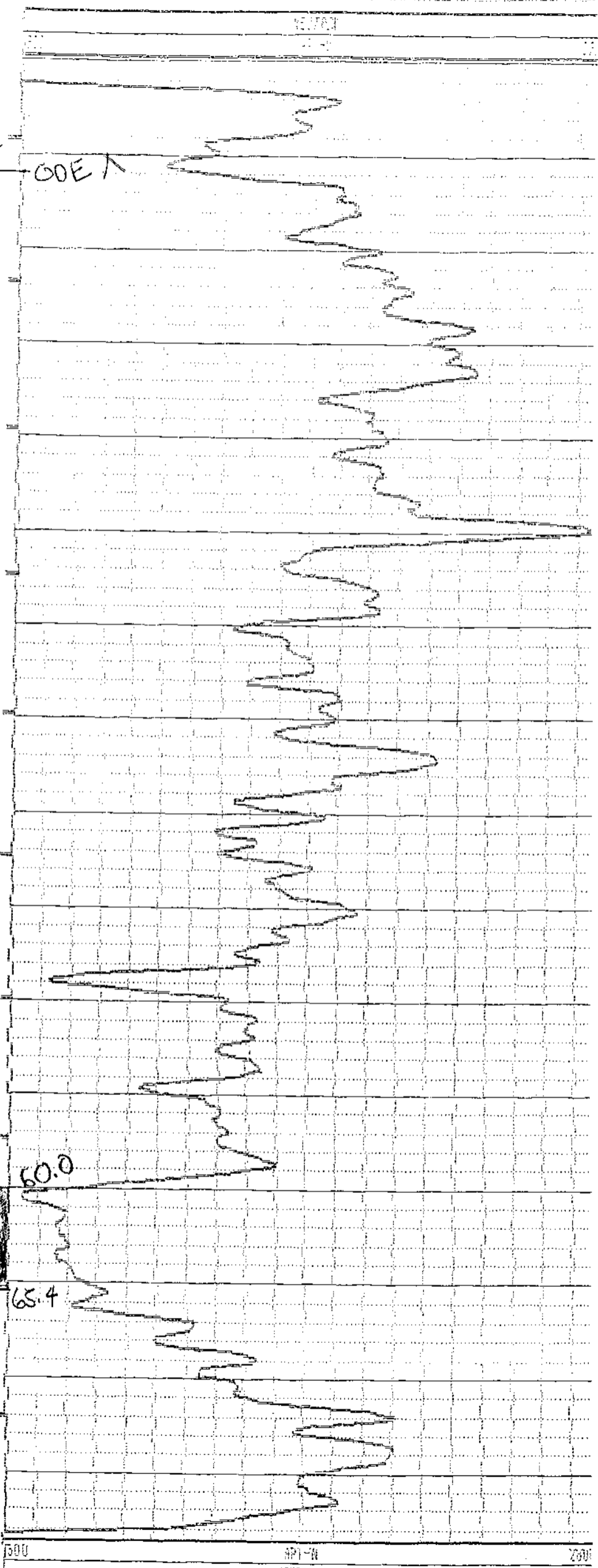
2404

ALL TESTS WERE CONDUCTED SUBJECT TO STANDARD TESTS AND CONDITIONS



204
 0.0
 0.0
 0.0
 DL

COE A



60.0

65.4

CIRCUIT TYPE : ST-1
CIRCUIT TRACKING : 005

FIELD OFFICE : Fordong Ave.
RECORDING APP : 5000

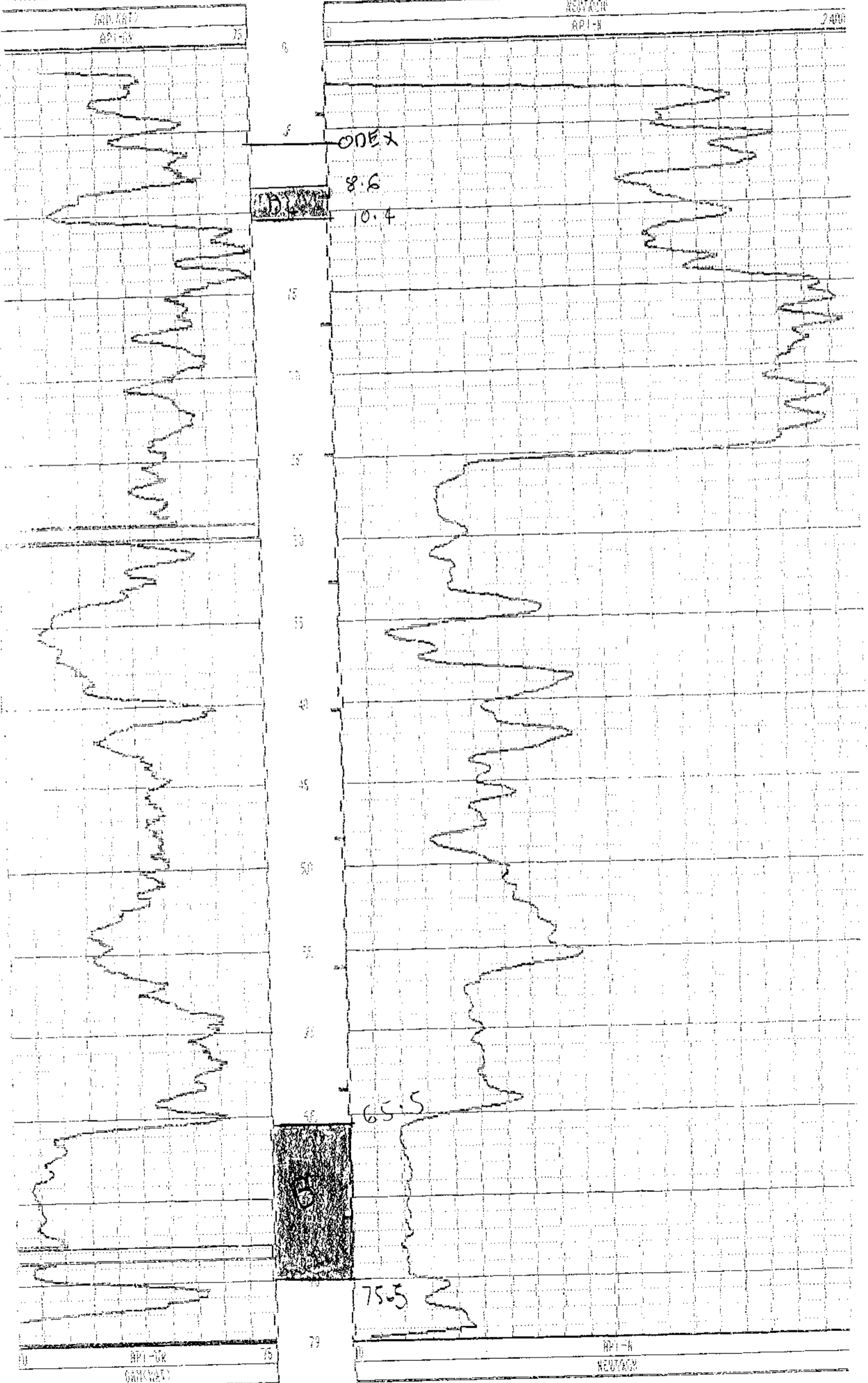
WELL ID :
WELL NO : 21
WELL DEPTH : 2100
WELL TYPE : 1.1
WELL STATUS :
WELL TYPE :
WELL TYPE :

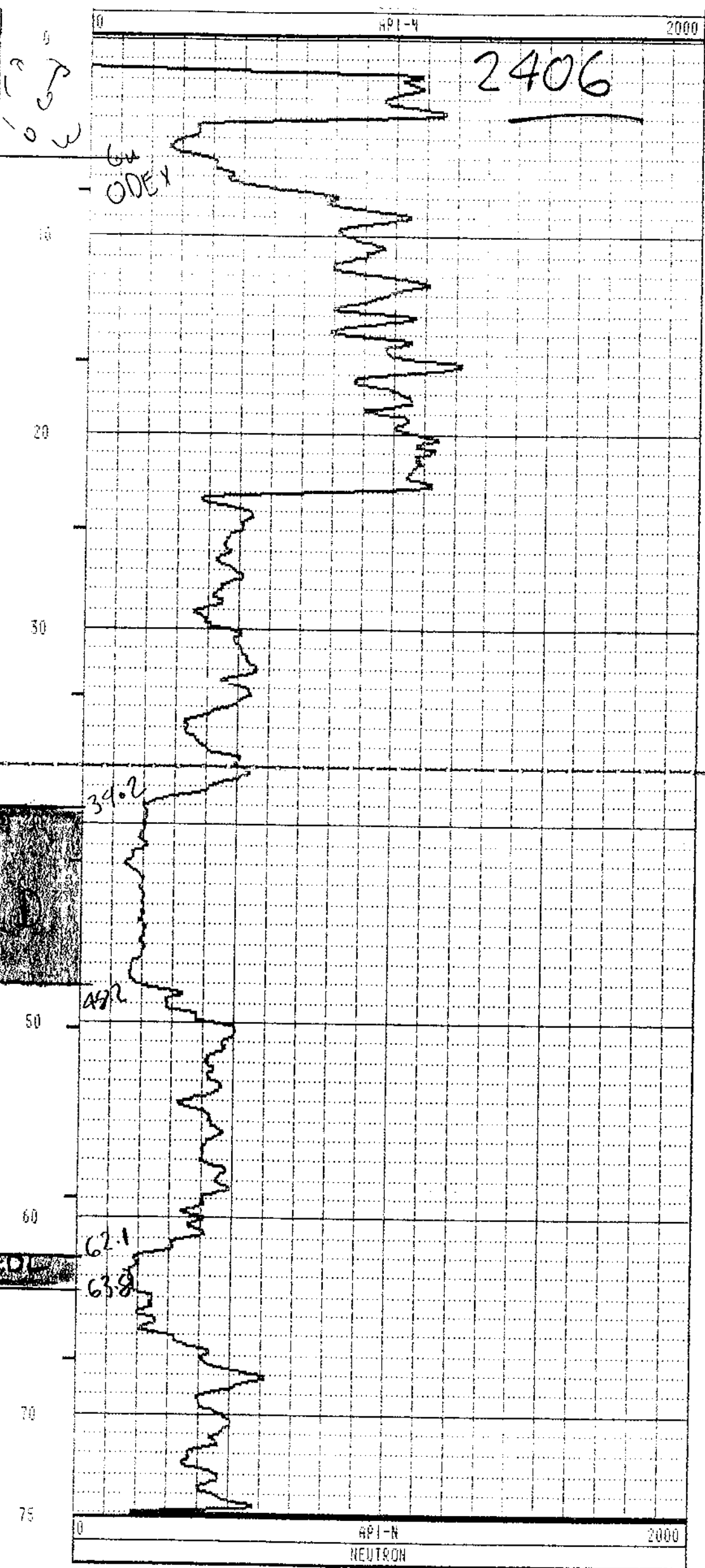
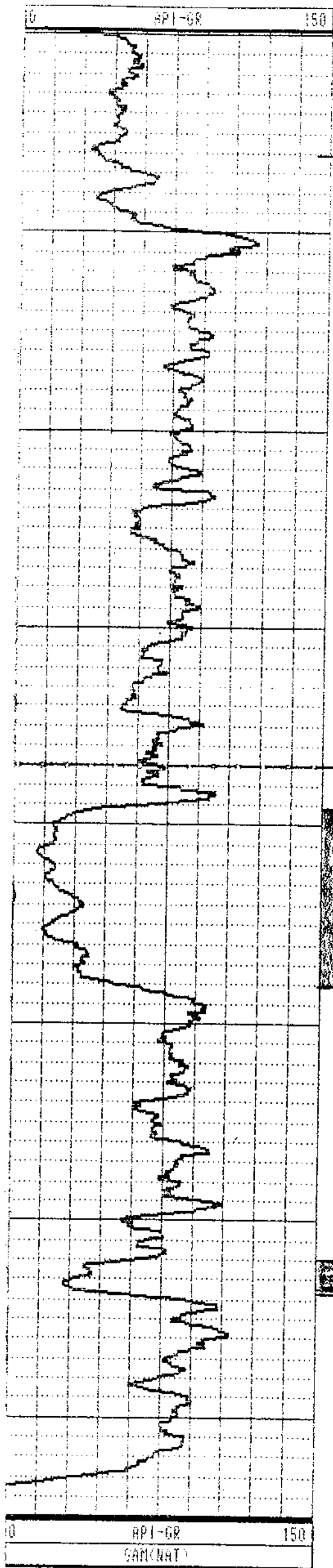
WELL NO : 2100
WELL TYPE : 1.1
WELL STATUS :
WELL TYPE :
WELL TYPE :

FILE : ORIGINAL
TYPE : 5000
NO : 2
WELL : 2100
WELL :

RH # 2405

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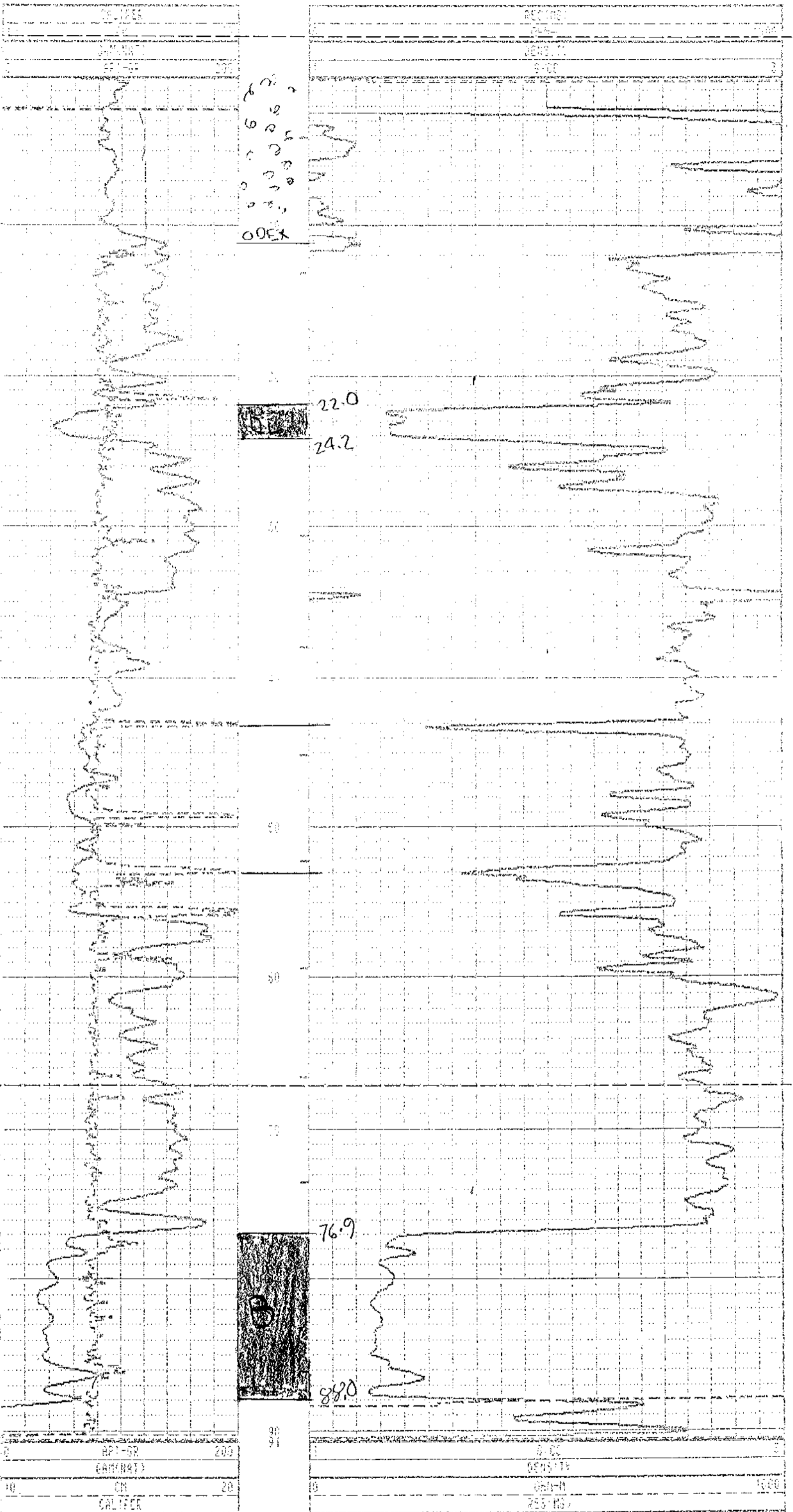




TOOL CALIBRATION TOOL = 9067A SERIAL NUMBER = 514

CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
----------	----------	------	--------	----------	----------

RH # 2407



0	API-GR	200
	GAMMART	
10	CM	20
	CALIFEE	

1	D-C	
	DENSITY	
0	DIN-H	1000
	DIN-MS	

TOOL CALIBRATION		TOOL = 903099	SERIAL NUMBER = 440			
CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD	
0	09/09/93	13:22:11	0	GAMMART	0.000 CPS	0.000 API-GR
1	09/09/93	13:22:11	0	GAMMATA	0.000 CPS	0.000 API-GR

GAMMA

API-GR

150

0
10
20
30
40

DL

20

30

40

50

60

70

B

80

NEUTRON

API-N

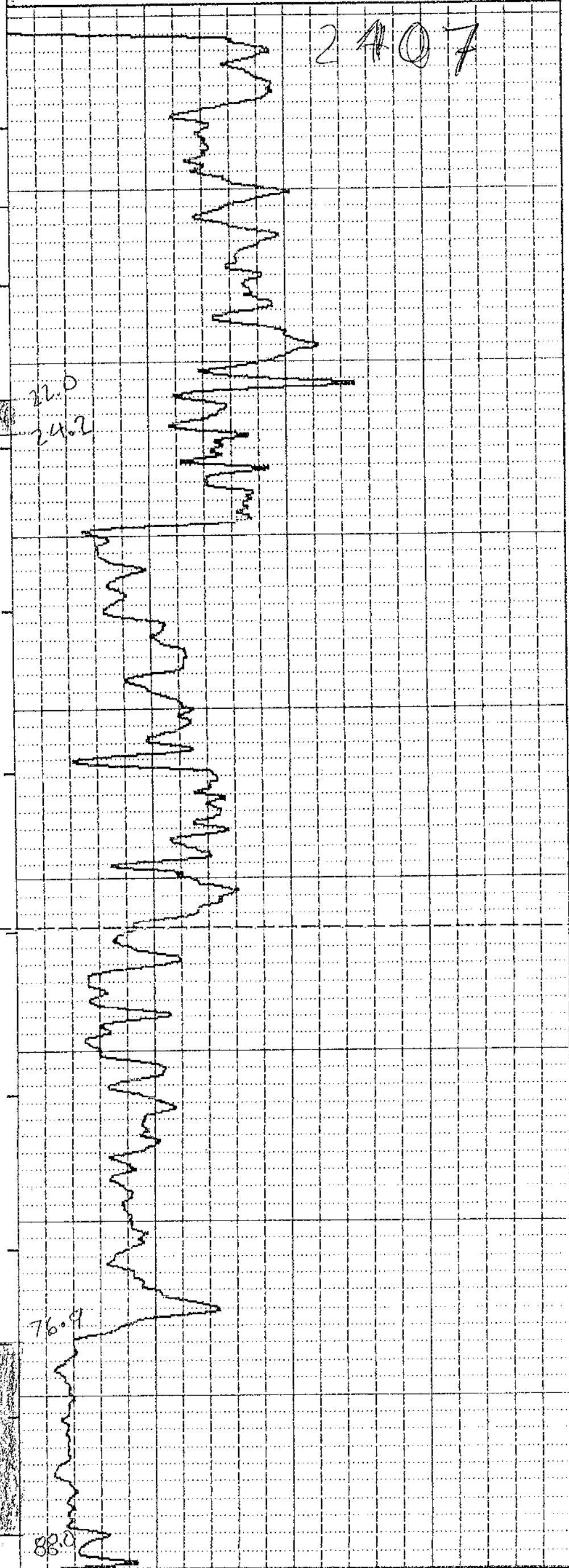
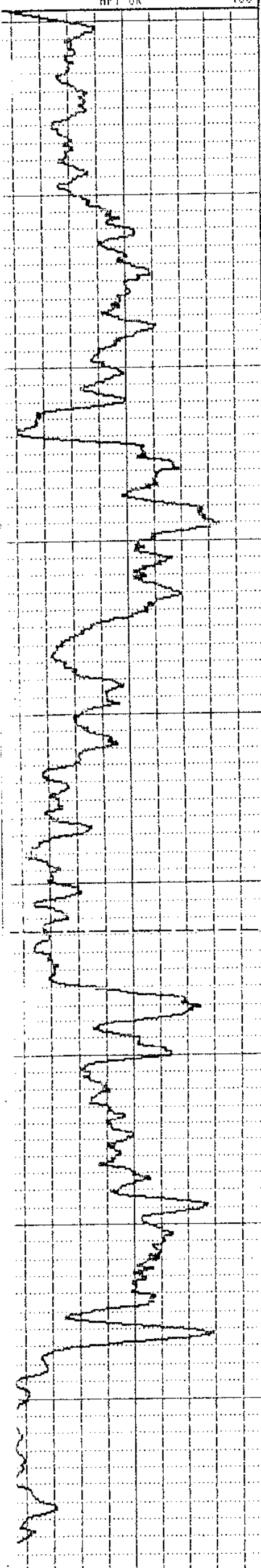
2000

2407

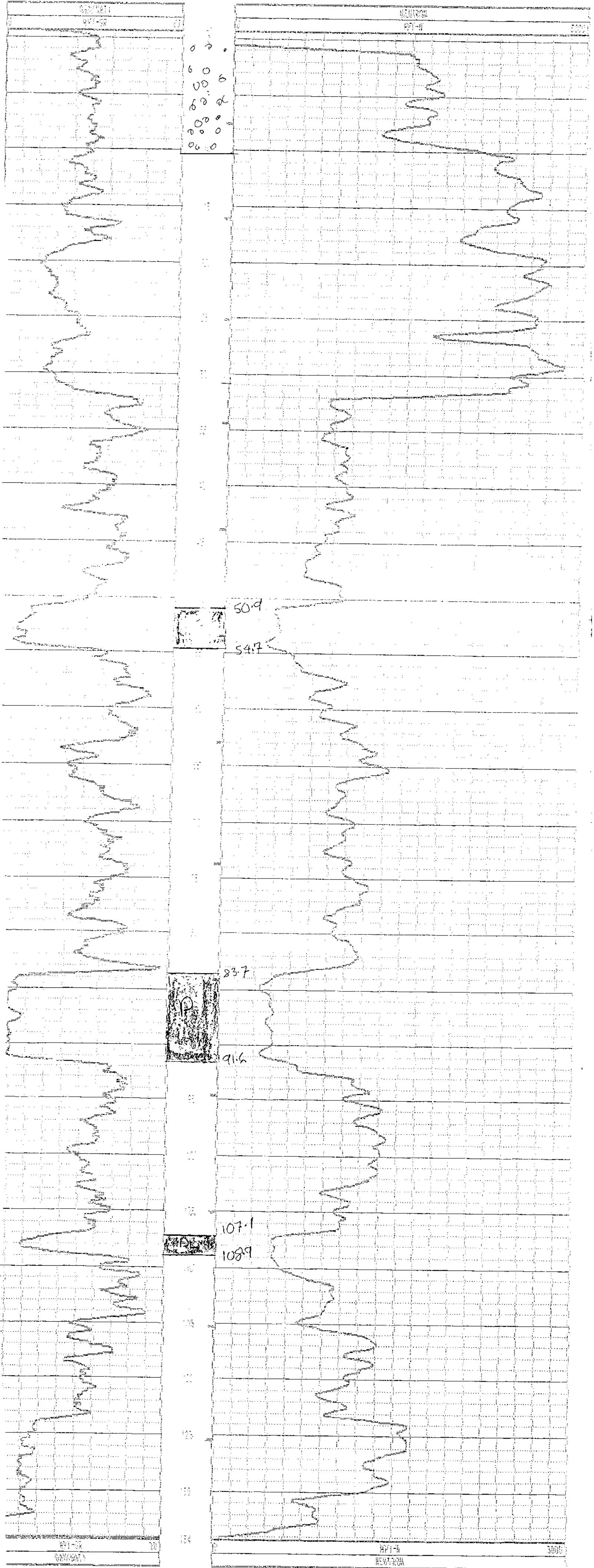
22.0
24.2

76.9

88.0

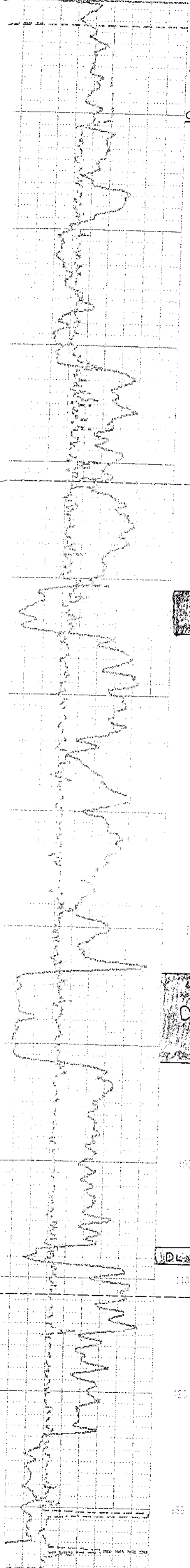


RH #2408



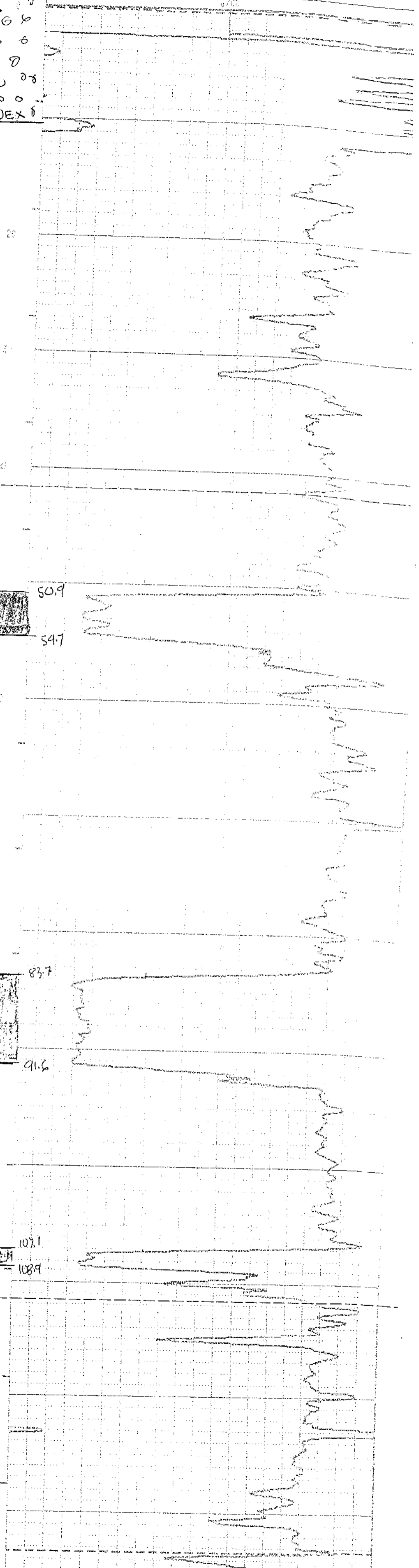
RH # 2408

CHLIPER
CM
DMM NET
API-SS



0 0
6 8
6 6
6 8
U 08
0 0
OOEX

RESINS
DMM-N
DENSITY
G/CC



E

50.9
54.7

D

83.7
91.6

107.1
108.9

API-SS
DMM NET
CM
CHLIPER

G/CC
DENSITY
DMM-N
RESINS

RH # 2409

***** COMPU-LOG II - VERTICAL DEVIATION *****

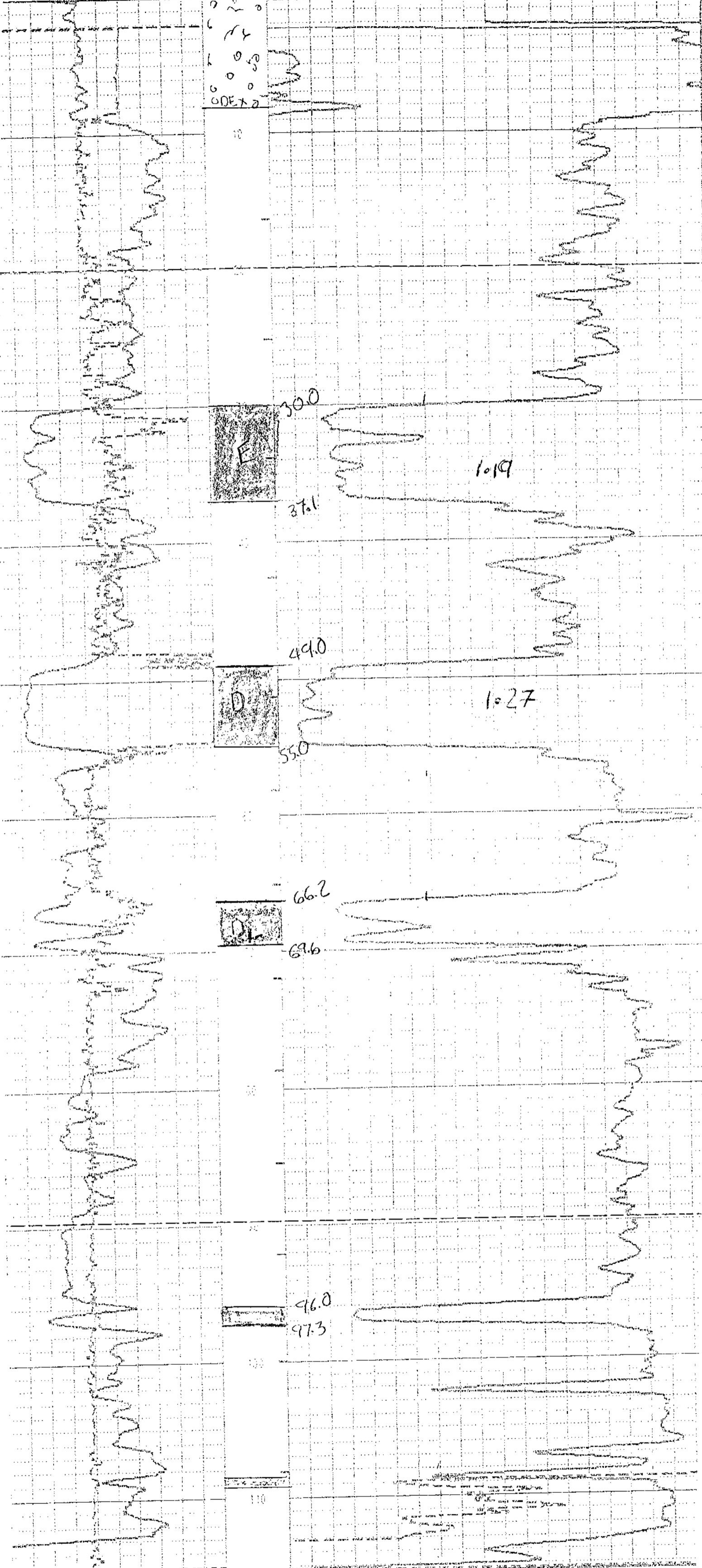
CLIENT : FORDING COAL LTD HOLE ID. : RH-2409
FIELD OFFICE : CALGARY DATE OF LOG : 09/15/93
DATA FROM : PROBE : 9055A 7
MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 4

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
5.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
10.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
15.0	15.00	-0.03	-0.12	0.1	258.1	2.8	245.8
20.0	19.99	-0.09	-0.32	0.3	254.5	2.3	246.6
25.0	24.99	-0.19	-0.51	0.5	249.6	2.4	237.7
30.0	29.98	-0.32	-0.67	0.7	244.8	2.5	229.9
35.0	34.98	-0.47	-0.84	1.0	240.9	2.7	229.6
40.0	39.97	-0.67	-1.01	1.2	236.5	3.3	213.4
45.0	44.96	-0.91	-1.17	1.5	232.0	3.2	212.2
50.0	49.95	-1.18	-1.34	1.8	228.7	3.3	214.5
55.0	54.95	-1.38	-1.43	2.0	226.0	4.4	212.9
55.4	55.37	-1.41	-1.45	2.0	225.8	0.0	0.0

2409

CALIPER	20
GAIN(RAT)	200
API-GR	200

RES(MG)	1000
DHM-B	
DENSITY	
0/EC	



API-GR	200
GAIN(RAT)	
CM	20
CALIPER	

0/EC	
DENSITY	
DHM-B	
RES(MG)	

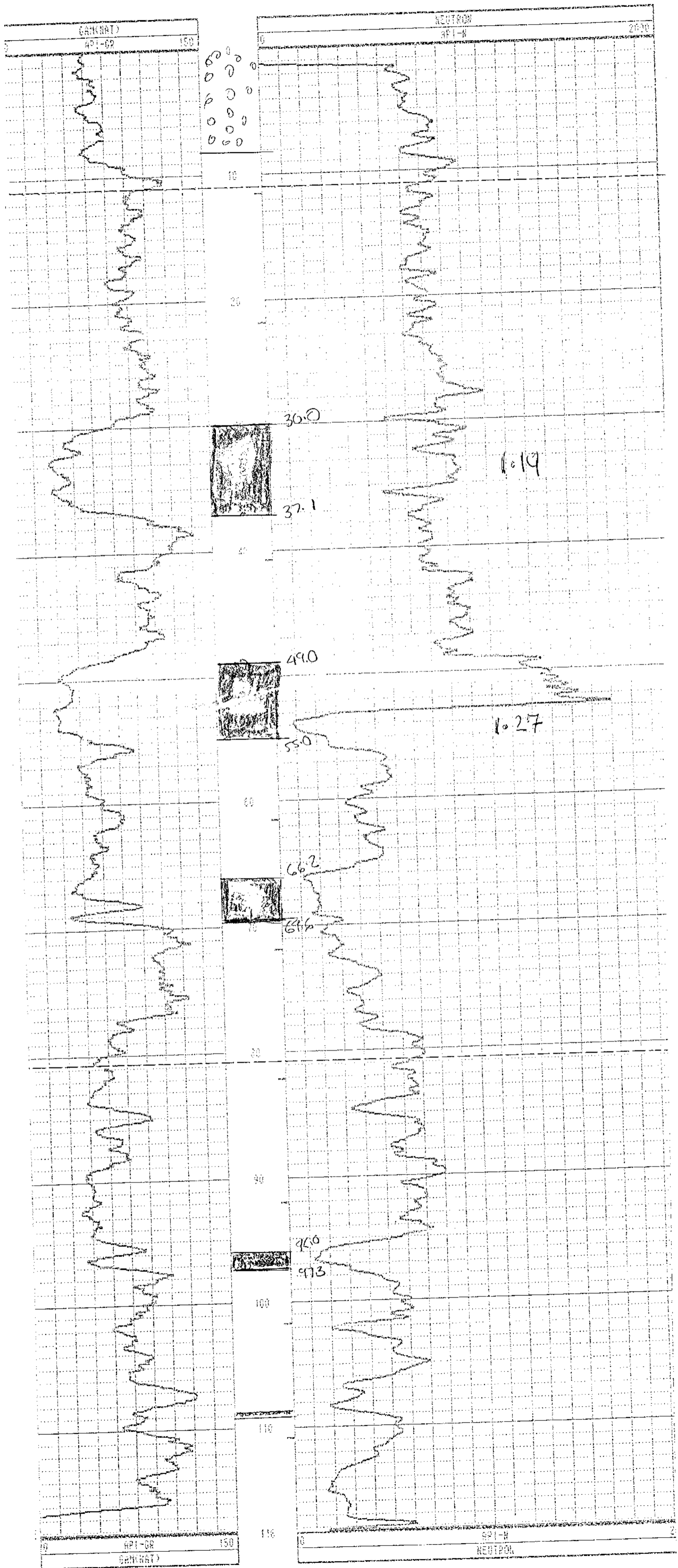
TOOL CALIBRATION

TOOL = 903004

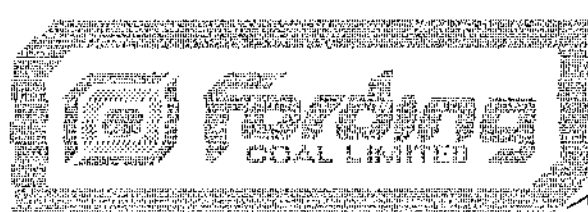
SERIAL NUMBER = 440

CAL-DATE	CAL-TIME	CODE	SENSOR	RESPONSE	STANDARD	
0	09/06/93	13:22:11	0	GAIN(RAT)	0.000 CPS	0.000 API-SP
1	09/06/93	13:22:11	0	GAIN(RAT)	0.000 CPS	0.000 API-6P
				DENSITY	0.000 700 CPG	1.105 0/EC

RH # 2409



2410 B.

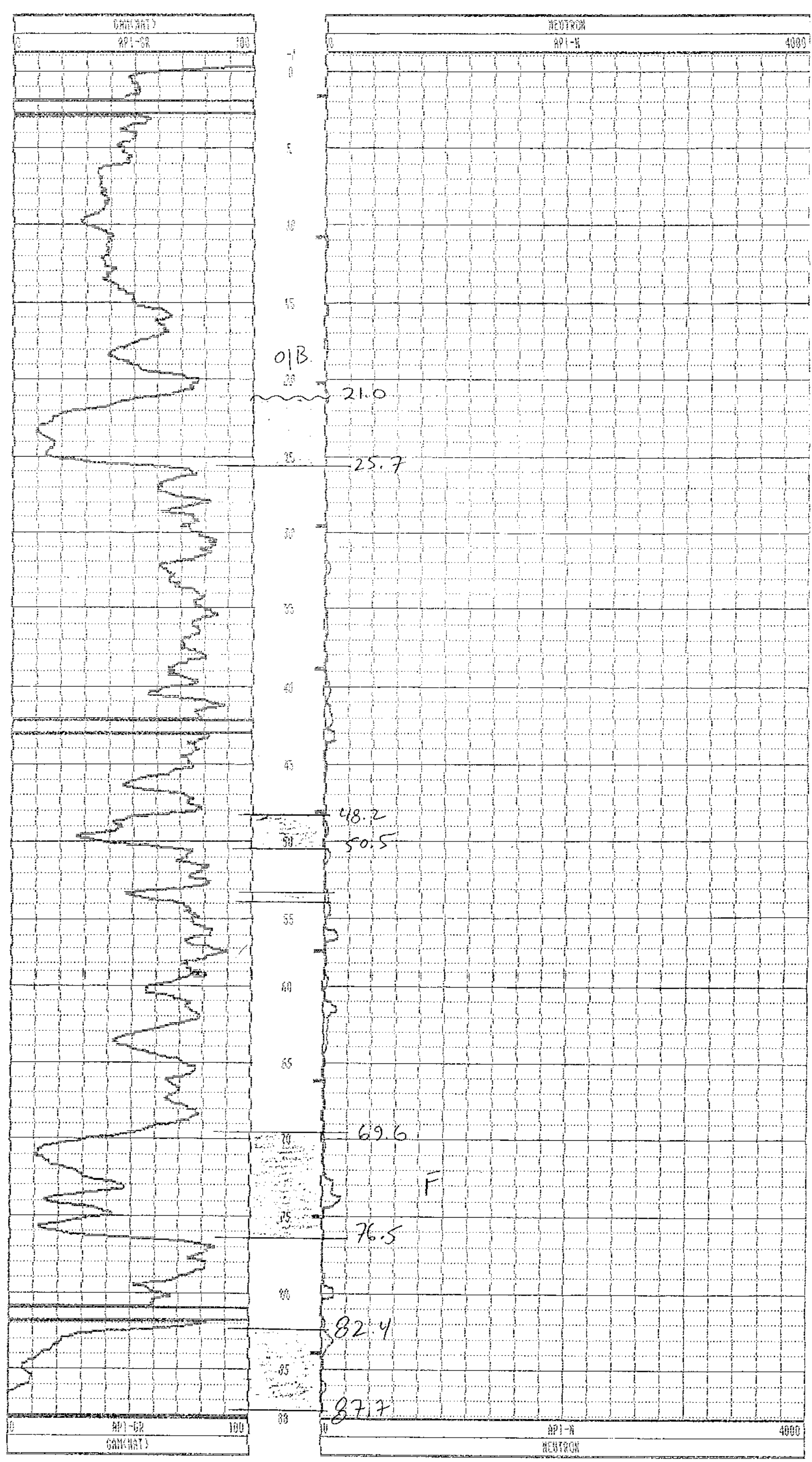


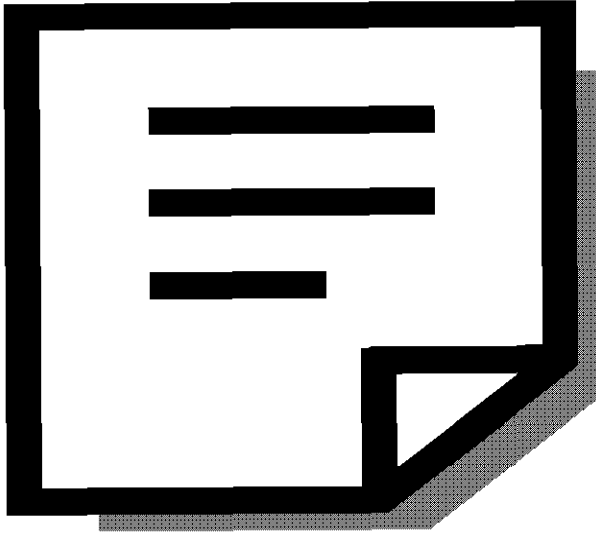
Drilled first.
 Drilled to 240m
 couldn't get back
 into hole. Skidded
 ~7m to 240 A.

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H. 2410 B	RH12-90	
LOCATION/FIELD	: Brownie	G/N	
COUNTY	: B.C.	Brownie	
STATE	: East Kootenay		
SECTION	: TOWNSHIP		: RANGE
DATE	: 08/26/93	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 230m	ELEV. PERM. DATUM:	: RM
LOG BOTTOM	: 88.20	LOG MEASURED FROM:	: G.L.
LOG TOP	: -1.00	BPL MEASURED FROM:	: GL
CASING DRILLER	: 6.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: Fording Rvr.
CASING THICKNESS:	.125	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	: 2.55	RM TEMPERATURE	:
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 173
NEUTRON MATRIX	:	FLUID DELTA T	: 690
REMARKS	:	FILE	: ORIGINAL
Through Steel Log		TYPE	: 90550
		LOG	: 7
		PLOT	: 9055A 0
		THRESH:	

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RH#2411

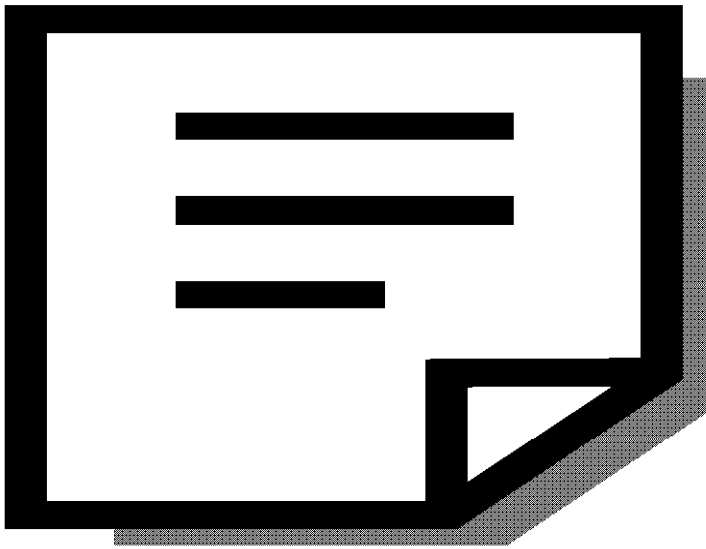
***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD HOLE ID. : RH-2411
 FIELD OFFICE : CALGARY DATE OF LOG : 09/23/93
 DATA FROM : PROSE : 9055A 82
 MAG. DECL. : 21,000 DEPTH UNITS : METER LOG 6

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
15.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
20.0	20.00	0.02	0.02	0.0	45.0	0.5	41.2
25.0	25.00	0.05	0.04	0.1	42.4	0.4	56.0
30.0	30.00	0.06	0.07	0.1	48.0	0.3	45.7
35.0	35.00	0.07	0.08	0.1	49.8	0.1	181.7
40.0	40.00	0.06	0.07	0.1	46.1	0.4	286.9
45.0	45.00	0.07	0.03	0.1	26.4	0.6	272.1
50.0	50.00	0.07	-0.04	0.1	327.8	1.5	271.3
55.0	55.00	0.07	-0.17	0.2	292.7	1.7	257.6
60.0	59.99	0.06	-0.32	0.3	281.1	1.8	263.8
65.0	64.99	0.04	-0.45	0.5	275.5	1.5	259.8
70.0	69.99	0.01	-0.61	0.6	271.2	1.9	256.2
75.0	74.99	-0.03	-0.78	0.8	267.8	1.6	250.6
80.0	79.98	-0.09	-0.94	0.9	264.7	1.6	231.6
85.0	84.98	-0.23	-1.07	1.1	258.0	2.8	223.7
90.0	89.98	-0.41	-1.22	1.3	251.4	2.7	221.4
95.0	94.97	-0.60	-1.38	1.5	246.4	3.0	217.4
100.0	99.96	-0.81	-1.56	1.8	242.5	3.3	226.6
105.0	104.95	-1.03	-1.76	2.0	239.6	3.1	217.8
110.0	109.94	-1.26	-1.96	2.3	237.2	3.5	220.3
115.0	114.93	-1.49	-2.18	2.6	235.6	3.6	231.3
120.0	119.92	-1.76	-2.43	3.0	234.1	4.4	218.6
125.0	124.90	-2.03	-2.70	3.4	233.1	4.4	215.1
130.0	129.89	-2.31	-3.00	3.8	232.4	4.6	209.8
135.0	134.87	-2.57	-3.32	4.2	232.2	5.3	242.8
140.0	139.85	-2.80	-3.73	4.7	233.1	5.8	252.8
145.0	144.82	-3.06	-4.19	5.2	233.8	6.3	239.1
150.0	149.79	-3.32	-4.68	5.7	234.6	6.2	243.3
155.0	154.76	-3.59	-5.16	6.3	235.2	6.5	240.1
160.0	159.73	-3.86	-5.64	6.8	235.6	6.3	241.4
165.0	164.69	-4.14	-6.16	7.4	236.1	6.9	243.4
170.0	169.66	-4.41	-6.69	8.0	236.6	6.8	239.5
175.0	174.62	-4.70	-7.21	8.6	236.9	6.7	244.3
180.0	179.58	-4.98	-7.76	9.2	237.3	8.2	246.0
185.0	184.53	-5.31	-8.35	9.9	237.6	7.8	251.1
190.0	189.49	-5.64	-8.96	10.6	237.8	7.8	240.7
195.0	194.44	-5.99	-9.57	11.3	238.0	8.4	239.3
200.0	199.38	-6.34	-10.21	12.0	238.2	9.1	239.2
205.0	204.32	-6.72	-10.89	12.8	238.3	9.2	243.9
210.0	209.25	-7.10	-11.62	13.6	238.5	10.1	251.8
215.0	214.18	-7.47	-12.36	14.4	238.9	9.9	240.7
220.0	219.11	-7.84	-13.12	15.3	239.1	9.9	246.1
225.0	224.03	-8.25	-13.88	16.1	239.3	10.1	248.0

235.0	233.85	-9.13	-15.52	18.0	239.5	11.2	244.3
240.0	238.76	-9.60	-16.35	19.0	239.6	11.7	228.7
245.0	243.65	-10.10	-17.23	20.0	239.6	12.1	245.4
250.0	248.53	-10.59	-18.16	21.0	239.8	12.2	243.9
255.0	253.41	-11.12	-19.12	22.1	239.8	13.2	234.6
260.0	258.28	-11.66	-20.13	23.3	239.9	13.6	247.0
265.0	263.13	-12.22	-21.16	24.4	240.0	13.7	245.1
270.0	267.99	-12.82	-22.16	25.6	239.9	14.0	235.1
275.0	272.85	-13.43	-23.16	26.8	239.9	13.5	238.6
280.0	277.71	-14.07	-24.11	27.9	239.7	13.9	241.2
285.0	282.57	-14.68	-25.09	29.1	239.7	13.8	265.7
290.0	287.42	-15.37	-26.02	30.2	239.4	13.9	269.8
295.0	292.27	-16.04	-27.01	31.4	239.3	13.8	230.0
300.0	297.12	-16.75	-27.95	32.6	239.1	14.2	226.6
305.0	301.97	-17.43	-28.93	33.8	238.9	14.0	213.3
310.0	306.82	-18.13	-29.81	34.9	238.7	14.5	244.4
315.0	311.66	-18.79	-30.70	36.0	238.5	14.3	228.3
320.0	316.51	-19.48	-31.70	37.2	238.4	14.5	229.3
325.0	321.35	-20.16	-32.70	38.4	238.3	14.4	233.1
330.0	326.20	-20.82	-33.68	39.6	238.3	14.4	237.9
335.0	331.04	-21.62	-34.62	40.8	238.0	15.3	267.9
340.0	335.89	-22.43	-35.49	42.0	237.7	13.9	235.1
345.0	340.73	-23.16	-36.41	43.1	237.5	15.5	200.6
350.0	345.57	-23.95	-37.38	44.4	237.3	14.9	232.2
355.0	350.40	-24.76	-38.38	45.7	237.2	15.3	226.4
360.0	355.21	-25.60	-39.44	47.0	237.0	16.1	233.6
365.0	360.01	-26.38	-40.52	48.3	236.9	17.1	264.0
370.0	364.80	-27.10	-41.74	49.8	237.0	16.2	243.6
375.0	369.59	-27.84	-42.96	51.2	237.0	16.7	237.2
380.0	374.37	-28.58	-44.21	52.6	237.1	17.0	242.9
385.0	379.13	-29.26	-45.48	54.1	237.2	20.2	283.3
390.0	383.91	-29.90	-46.73	55.5	237.4	17.2	230.6
395.0	388.66	-30.48	-48.12	57.0	237.6	17.9	244.5
400.0	393.42	-31.12	-49.52	58.5	237.9	18.1	237.2
405.0	398.16	-31.79	-50.93	60.0	238.0	18.7	241.5
410.0	402.91	-32.45	-52.36	61.6	238.2	18.2	233.1
415.0	407.64	-33.08	-53.83	63.2	238.4	19.3	245.7
420.0	412.36	-33.66	-55.35	64.8	238.7	19.5	248.9
425.0	417.08	-34.21	-56.88	66.4	239.0	20.1	259.1
430.0	421.80	-34.71	-58.39	67.9	239.3	19.8	252.0
435.0	426.52	-35.19	-59.91	69.5	239.6	19.5	252.2
440.0	431.23	-35.71	-61.49	71.1	239.9	19.5	249.9
445.0	435.95	-36.23	-63.04	72.7	240.1	18.5	255.3
450.0	440.68	-36.73	-64.56	74.3	240.4	18.5	241.8
455.0	445.41	-37.23	-66.07	75.8	240.6	19.6	260.7
460.0	450.15	-37.68	-67.57	77.4	240.9	18.6	255.6
465.0	454.89	-38.13	-69.10	78.9	241.1	18.9	254.6
470.0	459.63	-38.55	-70.63	80.5	241.4	18.9	255.9
475.0	464.36	-38.94	-72.19	82.0	241.7	19.2	261.7
480.0	469.09	-39.32	-73.77	83.6	241.9	19.0	264.9
485.0	473.81	-39.68	-75.36	85.2	242.2	19.6	255.1
490.0	478.52	-40.03	-77.00	86.8	242.5	19.7	255.9
495.0	483.23	-40.30	-78.61	88.3	242.9	18.8	248.9
500.0	487.92	-40.61	-80.30	90.0	243.2	20.4	260.9
505.0	492.60	-40.99	-81.99	91.7	243.4	20.8	255.4
510.0	497.28	-41.31	-83.70	93.3	243.7	19.8	220.0
515.0	501.94	-41.60	-85.46	95.0	244.0	20.7	255.8
520.0	506.60	-41.84	-87.25	96.8	244.4	21.6	260.4
525.0	511.24	-41.98	-89.04	98.4	244.8	22.1	265.4
530.0	515.88	-42.12	-90.87	100.2	245.1	22.1	258.6
535.0	520.51	-42.21	-92.71	101.9	245.5	22.1	273.3
540.0	525.12	-42.22	-94.61	103.6	246.0	22.6	269.3
545.0	529.73	-42.15	-96.55	105.4	246.4	22.9	270.4
550.0	534.33	-42.08	-98.49	107.1	246.9	22.9	274.6
555.0	538.94	-41.94	-100.43	108.8	247.3	23.0	268.5

570.0	552.74	-41.56	-106.27	114.1	248.6	22.9	270.3
575.0	557.33	-41.42	-108.23	115.9	249.1	24.3	280.5
580.0	561.90	-41.24	-110.24	117.7	249.5	24.1	277.2
585.0	566.48	-41.04	-112.24	119.5	249.9	23.6	274.2
590.0	571.02	-40.80	-114.29	121.4	250.4	24.1	267.0
595.0	575.56	-40.43	-116.36	123.2	250.8	25.1	279.9
600.0	580.08	-40.01	-118.45	125.0	251.3	25.1	282.0
605.0	584.58	-39.48	-120.56	126.9	251.9	25.7	281.1
610.0	589.05	-38.92	-122.70	128.7	252.4	27.2	289.3
615.0	593.50	-38.30	-124.88	130.6	252.9	27.1	284.8
620.0	597.94	-37.63	-127.09	132.5	253.5	27.7	289.5
625.0	602.36	-36.79	-129.21	134.3	254.1	29.0	302.7
630.0	606.76	-35.91	-131.41	136.2	254.7	29.0	295.1
635.0	611.13	-34.97	-133.63	138.1	255.3	29.3	293.6
640.0	615.48	-33.95	-135.85	140.0	256.0	29.6	293.3
645.0	619.81	-32.84	-138.07	141.9	256.6	30.6	293.4
650.0	624.12	-31.64	-140.25	143.8	257.3	34.0	316.4
655.0	628.46	-30.50	-142.46	145.7	257.9	29.7	297.3
660.0	632.79	-29.32	-144.62	147.6	258.5	30.4	300.5
665.0	637.12	-28.21	-146.83	149.5	259.1	32.2	305.0
670.0	641.44	-27.01	-149.07	151.4	259.7	29.7	298.2
675.0	645.75	-25.72	-151.13	153.3	260.3	31.2	301.9
680.0	650.05	-24.35	-153.25	155.2	261.0	30.7	303.0
681.0	650.94	-24.08	-153.66	155.5	261.1	0.0	0.0

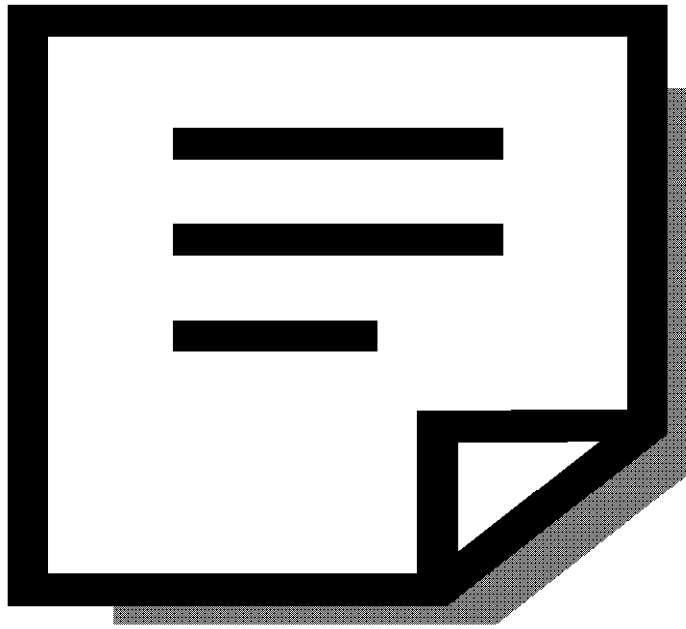


***** COMPU-LOG - VERTICAL DEVIATION *****

RH#2412

CLIENT : FORDING RIVER COAL HOLE ID. : RH-2412
 FIELD OFFICE : CALGARY DATE OF LOG : 08/19/93
 DATA FROM : PROBE : 9055A 238
 MAG. DECL. : 20.000 DEPTH UNITS : METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
21.2	21.22	0.00	0.00	0.0	0.0	0.0	0.0
25.0	25.00	0.04	0.02	0.0	27.1	0.7	25.2
30.0	30.00	0.12	0.10	0.2	38.9	1.4	44.1
35.0	35.00	0.23	0.24	0.3	46.6	2.0	49.6
40.0	39.99	0.34	0.43	0.5	51.8	3.6	61.3
45.0	44.98	0.43	0.67	0.8	57.4	3.5	76.8
50.0	49.98	0.52	0.94	1.1	61.2	2.8	85.2
55.0	54.96	0.61	1.24	1.4	63.9	4.2	59.6
60.0	59.95	0.68	1.58	1.7	66.8	4.3	82.2
65.0	64.94	0.76	1.97	2.1	68.9	5.1	75.8
70.0	69.92	0.84	2.38	2.5	70.6	4.8	80.1
75.0	74.90	0.93	2.80	2.9	71.5	5.5	69.2
80.0	79.88	1.08	3.24	3.4	71.5	5.2	69.5
85.0	84.85	1.24	3.67	3.9	71.3	5.7	68.2
90.0	89.83	1.41	4.13	4.4	71.2	6.1	68.1
95.0	94.80	1.57	4.59	4.9	71.1	6.1	76.7
100.0	99.77	1.70	5.14	5.4	71.7	6.4	86.6
105.0	104.73	1.84	5.75	6.0	72.3	7.6	72.9
110.0	109.68	2.00	6.42	6.7	72.7	9.2	71.8
115.0	114.63	2.16	7.12	7.4	73.1	8.2	88.5
120.0	119.57	2.29	7.88	8.2	73.8	8.8	77.3
125.0	124.51	2.40	8.66	9.0	74.5	10.0	75.5
130.0	129.43	2.53	9.49	9.8	75.1	9.3	89.0
135.0	134.36	2.64	10.33	10.7	75.6	9.8	82.3
140.0	139.29	2.77	11.18	11.5	76.1	10.1	80.6
145.0	144.20	2.95	12.08	12.4	76.3	11.0	80.4
150.0	149.11	3.08	13.03	13.4	76.7	11.1	80.0
155.0	154.01	3.24	13.99	14.4	77.0	11.5	79.1
160.0	158.90	3.41	15.02	15.4	77.2	12.2	87.2
165.0	163.78	3.60	16.11	16.5	77.4	12.5	82.8
170.0	168.64	3.84	17.24	17.7	77.5	13.6	68.5
175.0	173.49	4.30	18.37	18.9	76.8	14.4	69.7
180.0	178.32	4.79	19.54	20.1	76.2	15.6	66.6
181.1	179.42	4.91	19.83	20.4	76.1	15.7	68.0



ROKE

DIRECTIONAL SURVEY

OIL ENTERPRISES LTD.



COMPANY FORDING COAL LIMITED
DRILLHOLE RH 24-13
LOCATION FORDING RIVER MINE
FIELD ELKFORD
PROVINCE BRITISH COLUMBIA

LATITUDE _____
DEPARTURE _____
ELEVATION _____
MAGNETIC DECLINATION _____
CORRECTION OF _____

DATE SURVEYED 31 Aug 93
SURVEY BY J. Murray
WITNESSED BY MUSEL
CALCULATIONS BY _____
FOR _____ GRID

PAGE 1 of 2

Number	Cable Depth m	Slant Angle	Slant Angle Bearing	Number	Cable Depth m	Slant Angle	Slant Angle Bearing	Number	Cable Depth m	Slant Angle	Slant Angle Bearing
0	0	0	—	11	110	4.25	218.0	22	220	9.89	212.3
1	10	0	—	12	120	5.22	202.4	23	230	11.33	219.2
2	20	0	—	13	130	6.19	205.8	24	240	11.47	207.6
3	30	0.10	181.4	14	140	7.10	217.1	25	250	11.82	211.1
4	40	0.71	206.7	15	150	7.88	204.7	26	260	11.81	224.8
5	50	1.12	206.5	16	160	8.68	210.2	27	270	11.51	209.6
6	60	1.21	224.3	17	170	8.49	213.5	28	280	11.64	221.1
7	70	2.20	217.6	18	180	8.31	200.5	29	290	11.64	209.5
8	80	2.38	204.5	19	190	9.06	211.0	30	300	12.41	208.5
9	90	2.96	212.0	20	200	9.06	213.6	31	310	12.93	223.4
10	100	3.90	219.9	21	210	9.44	218.8	32	320	13.20	224.5

ROKE DIRECTIONAL SURVEY

OIL ENTERPRISES LTD.



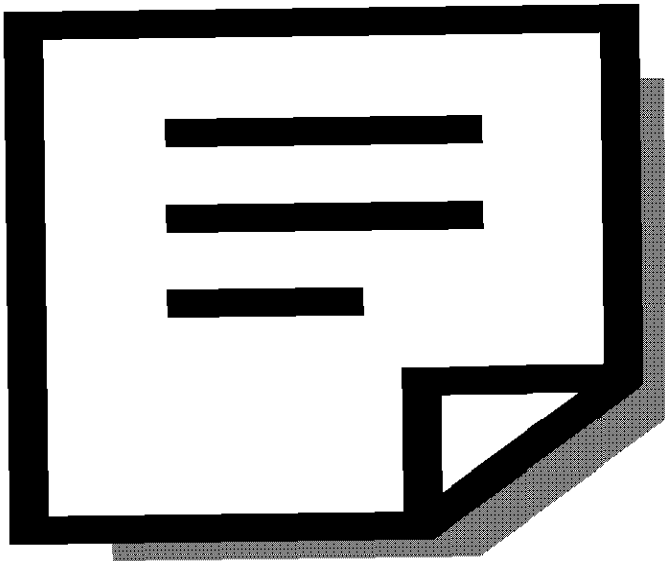
COMPANY FORDING COAL LIMITED
 DRILLHOLE RH 24-13
 LOCATION FORDING RIVER MINE
 FIELD ELKFORD
 PROVINCE BRITISH COLUMBIA

LATITUDE _____
 DEPARTURE _____
 ELEVATION _____
 MAGNETIC DECLINATION _____
 CORRECTION OF _____

DATE SURVEYED 31 Aug 93
 SURVEY BY S. Murray
 WITNESSED BY MUSIL
 CALCULATIONS BY _____
 FOR _____ GRID

PAGE 2 of 2

Number	Cable Depth	Slant Angle	Slant Angle Bearing	Number	Cable Depth	Slant Angle	Slant Angle Bearing	Number	Cable Depth	Slant Angle	Slant Angle Bearing
0	330	13.49	209.6	11	440	15.43	222.9	22	REPEATS		
1	340	13.86	228.4	12	450	16.52	219.0	23	430	14.78	227.9
2	350	14.71	221.4	13	DEPTH REACHED 450.9m			24	370	14.64	233.9
3	360	14.56	235.0	14				25	220	10.35	219.2
4	370	14.59	230.4	15				26	140	7.07	224.3
5	380	14.68	233.0	16				27	80	2.31	204.6
6	390	14.66	233.3	17				28			
7	400	14.72	227.3	18				29			
8	410	15.21	220.7	19				30			
9	420	15.20	215.4	20				31			
10	430	14.81	232.2	21				32			



RH #2414

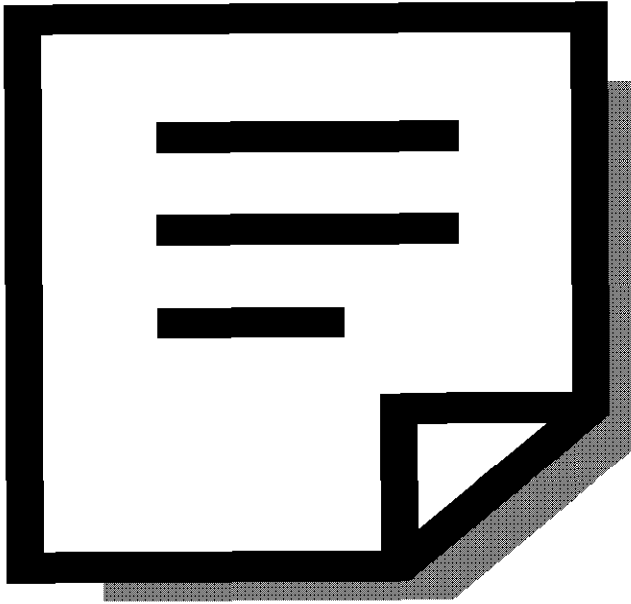
***** COMPU-LOG 11 - VERTICAL DEVIATION *****

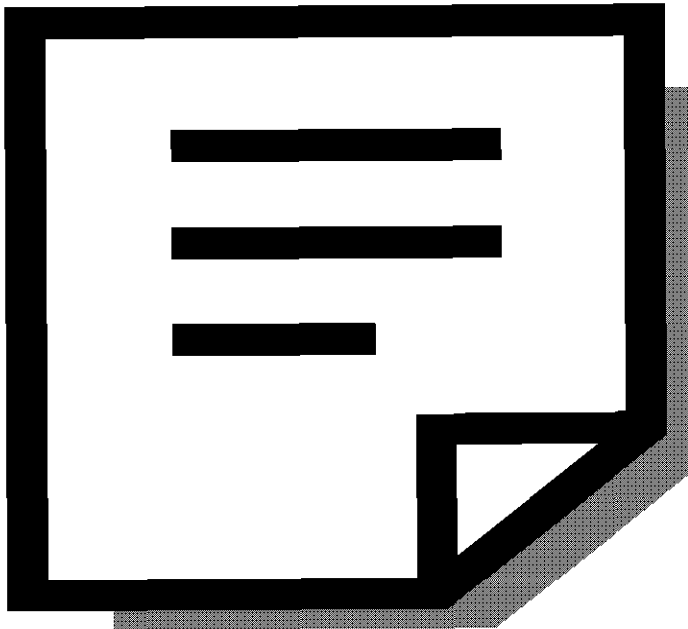
CLIENT : FORDING COAL LTD HOLE ID. : RH-2414
 FIELD OFFICE : CALGARY DATE OF LOG : 09/26/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
15.0	15.00	0.00	0.00	0.0	-0.0	0.0	0.0
20.0	20.00	0.05	-0.00	0.0	354.5	0.7	346.7
25.0	25.00	0.09	-0.01	0.1	351.7	0.4	358.8
30.0	30.00	0.12	-0.02	0.1	351.3	0.2	321.6
35.0	35.00	0.14	-0.02	0.1	350.2	0.2	309.6
40.0	40.00	0.16	-0.06	0.2	339.7	0.6	316.8
45.0	45.00	0.19	-0.11	0.2	329.2	0.9	297.9
50.0	50.00	0.21	-0.18	0.3	320.1	1.0	296.2
55.0	55.00	0.23	-0.26	0.3	311.1	1.1	261.3
60.0	60.00	0.25	-0.39	0.5	303.1	1.8	278.4
65.0	64.99	0.28	-0.57	0.6	296.1	2.1	256.4
70.0	69.99	0.30	-0.76	0.8	291.4	2.2	274.7
75.0	74.98	0.31	-0.97	1.0	287.6	2.4	271.9
80.0	79.98	0.31	-1.19	1.2	284.6	2.6	268.1
85.0	84.97	0.28	-1.41	1.4	281.1	2.9	256.1
90.0	89.97	0.21	-1.66	1.7	277.1	3.1	250.1
95.0	94.96	0.13	-1.92	1.9	274.0	3.4	254.7
100.0	99.95	0.05	-2.20	2.2	271.4	3.2	247.9
105.0	104.94	-0.05	-2.48	2.5	268.8	3.4	257.4
110.0	109.93	-0.17	-2.75	2.8	266.5	3.6	246.9
115.0	114.92	-0.29	-3.04	3.0	264.5	3.8	246.5
120.0	119.91	-0.43	-3.34	3.4	262.7	4.0	247.9
125.0	124.90	-0.58	-3.64	3.7	261.0	3.7	238.5
130.0	129.89	-0.74	-3.95	4.0	259.3	4.2	252.5
135.0	134.87	-0.91	-4.28	4.4	257.9	4.3	245.3
140.0	139.86	-1.09	-4.61	4.7	256.7	4.5	250.0
145.0	144.84	-1.21	-4.97	5.1	256.4	4.4	249.2
150.0	149.83	-1.33	-5.34	5.5	256.0	4.5	250.1
155.0	154.81	-1.48	-5.70	5.9	255.5	4.6	246.0
160.0	159.80	-1.63	-6.07	6.3	255.0	4.7	250.2
165.0	164.78	-1.79	-6.45	6.7	254.5	4.6	247.9
170.0	169.76	-1.96	-6.83	7.1	254.0	4.7	242.8
175.0	174.74	-2.15	-7.22	7.5	253.4	4.9	254.7
180.0	179.72	-2.34	-7.64	8.0	253.0	5.3	246.4
185.0	184.70	-2.53	-8.07	8.5	252.6	5.7	249.9
190.0	189.68	-2.72	-8.49	8.9	252.2	5.3	251.0
195.0	194.66	-2.92	-8.91	9.4	251.8	5.8	246.4
200.0	199.63	-3.12	-9.36	9.9	251.5	5.5	234.4
205.0	204.61	-3.32	-9.79	10.3	251.3	5.5	245.9
210.0	209.59	-3.52	-10.22	10.8	251.0	5.4	242.0
215.0	214.56	-3.75	-10.68	11.3	250.7	6.4	247.5
220.0	219.53	-3.97	-11.18	11.9	250.5	6.7	243.3
225.0	224.50	-4.19	-11.69	12.4	250.3	6.3	245.6
230.0	229.47	-4.43	-12.17	12.9	250.0	6.3	247.9
235.0	234.44	-4.64	-12.66	13.5	249.9	6.6	238.4
240.0	239.40	-4.87	-13.18	14.1	249.8	6.7	266.2
245.0	244.37	-5.15	-13.73	14.7	249.4	7.0	249.7
250.0	249.33	-5.41	-14.26	15.3	249.3	7.2	246.5
255.0	254.29	-5.67	-14.84	15.9	249.1	7.2	251.5
260.0	259.25	-5.92	-15.38	16.5	248.9	6.6	255.6
265.0	264.21	-6.19	-15.92	17.1	248.8	7.2	244.9

CLIENT : FORDING COAL LTD HOLE ID. : RH-2414
 FIELD OFFICE : CALGARY DATE OF LOG : 09/26/93
 DATA FROM : PROBE : 9055A , 82
 MAG. GEOL. : 21.000 DEPTH UNITS : METER LOG 2

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANBS
270.0	259.17	-6.44	-16.49	17.7	248.7	7.1	247.2
275.0	274.14	-6.70	-17.03	18.3	248.5	7.3	246.0
280.0	279.10	-6.95	-17.60	18.9	248.4	7.3	242.2
285.0	284.06	-7.21	-18.17	19.5	248.3	7.2	246.1
290.0	289.02	-7.46	-18.77	20.2	248.3	7.5	256.6
295.0	293.97	-7.70	-19.36	20.8	248.3	7.4	250.5
300.0	298.93	-7.95	-19.95	21.5	248.3	7.7	257.3
305.0	303.89	-8.20	-20.54	22.1	248.2	7.6	245.8
310.0	308.84	-8.41	-21.18	22.8	248.3	7.5	252.0
315.0	313.80	-8.60	-21.81	23.4	248.5	7.8	270.2
320.0	318.76	-8.79	-22.42	24.1	248.6	7.3	243.4
325.0	323.72	-8.99	-23.01	24.7	248.6	7.3	247.5
330.0	328.68	-9.20	-23.59	25.3	248.7	7.6	248.6
335.0	333.64	-9.41	-24.15	25.9	248.7	7.3	245.5
340.0	338.60	-9.64	-24.75	26.6	248.7	7.5	249.2
345.0	343.55	-9.86	-25.37	27.2	248.8	7.4	247.5
350.0	348.51	-10.07	-25.99	27.9	248.8	7.6	264.1
355.0	353.46	-10.27	-26.62	28.5	248.9	7.4	245.4
360.0	358.42	-10.46	-27.25	29.2	249.0	7.6	254.1
365.0	363.38	-10.67	-27.84	29.8	249.0	8.1	253.1
370.0	368.34	-10.92	-28.41	30.4	249.0	6.9	238.8
375.0	373.30	-11.13	-28.96	31.0	249.0	6.9	267.7
380.0	378.27	-11.33	-29.52	31.6	249.0	7.0	267.0
385.0	383.23	-11.55	-30.10	32.2	249.0	7.1	248.0
390.0	388.19	-11.76	-30.65	32.8	249.0	7.5	259.7
395.0	393.15	-11.98	-31.22	33.4	249.0	6.3	272.6
400.0	398.12	-12.20	-31.77	34.0	249.0	6.7	266.4
405.0	403.08	-12.41	-32.32	34.6	249.0	6.8	252.5
410.0	408.05	-12.61	-32.83	35.2	249.0	6.9	250.8
415.0	413.02	-12.84	-33.34	35.7	248.9	6.2	243.0
420.0	417.99	-13.06	-33.84	36.3	248.9	5.4	242.4
425.0	422.96	-13.27	-34.30	36.8	248.9	6.0	242.4
430.0	427.93	-13.48	-34.76	37.3	248.8	5.9	262.5
435.0	432.91	-13.70	-35.18	37.8	248.7	5.2	237.8
440.0	437.89	-13.91	-35.58	38.2	248.6	5.2	240.0
445.0	442.87	-14.10	-35.94	38.6	248.6	4.8	268.3
450.0	447.86	-14.28	-36.30	39.0	248.5	5.0	261.3
455.0	452.84	-14.54	-36.62	39.4	248.3	4.9	229.5
460.0	457.82	-14.82	-36.95	39.8	248.1	4.9	228.8
465.0	462.80	-15.11	-37.26	40.2	247.9	4.8	226.4
469.0	466.81	-15.34	-37.50	40.5	247.7	0.0	0.0





RH # 2418

***** COMPU-LOG II - VERTICAL DEVIATION *****

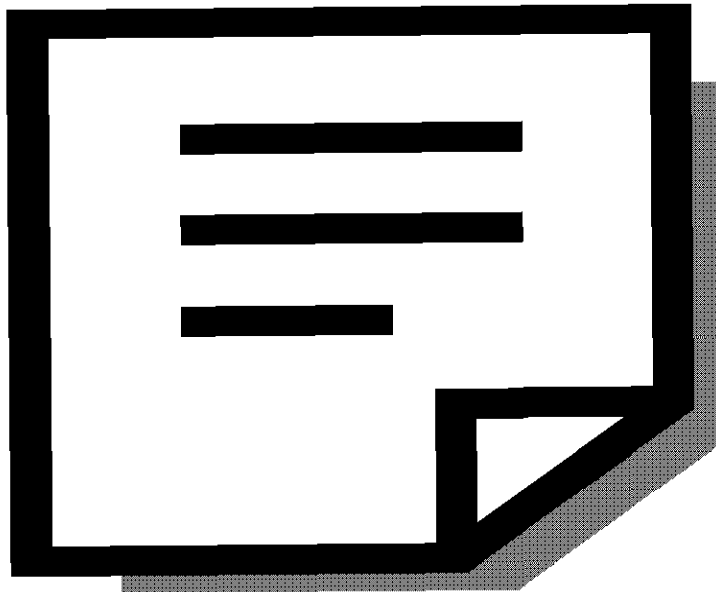
CLIENT : FORDING RIVER COAL HOLE ID. : RH-2418
 FIELD OFFICE : CALGARY DATE OF LOG : 10/25/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 3

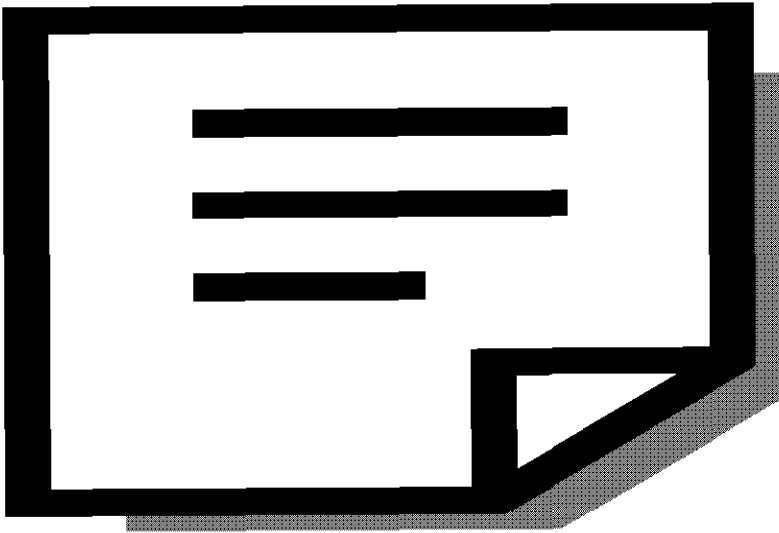
ABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
15.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
20.0	20.00	0.04	-.01	0.0	348.0	0.9	332.2
25.0	25.00	0.10	-.03	0.1	344.3	0.8	345.0
30.0	30.00	0.17	-.05	0.2	342.2	1.1	335.6
35.0	35.00	0.25	-.10	0.3	337.6	0.9	321.4
40.0	40.00	0.31	-.17	0.4	330.9	1.1	305.5
45.0	45.00	0.36	-.28	0.5	322.6	1.6	301.7
50.0	49.99	0.42	-.44	0.6	313.6	2.1	281.7
55.0	54.99	0.46	-.62	0.8	306.5	2.3	271.2
60.0	59.99	0.52	-.80	1.0	303.2	2.2	284.9
65.0	64.98	0.59	-.98	1.1	300.9	2.4	271.6
70.0	69.98	0.64	-1.17	1.3	298.6	2.4	286.7
75.0	74.97	0.68	-1.38	1.5	296.3	2.7	268.9
80.0	79.97	0.75	-1.63	1.8	294.7	2.7	282.4
85.0	84.96	0.79	-1.88	2.0	292.9	3.1	270.8
90.0	89.95	0.81	-2.16	2.3	290.7	3.4	272.9
95.0	94.94	0.83	-2.47	2.6	288.5	3.7	270.0
100.0	99.93	0.85	-2.80	2.9	286.9	4.0	269.1
105.0	104.92	0.90	-3.17	3.3	285.8	4.4	272.2
110.0	109.90	0.92	-3.57	3.7	284.4	4.7	269.1
115.0	114.88	0.93	-4.00	4.1	283.1	5.4	272.1
120.0	119.86	0.95	-4.50	4.6	281.9	6.2	263.0
125.0	124.82	0.97	-5.06	5.1	280.9	6.4	273.9
130.0	129.79	0.99	-5.65	5.7	279.9	6.9	268.4
135.0	134.75	1.00	-6.25	6.3	279.1	7.2	273.0
140.0	139.71	0.98	-6.87	6.9	278.2	7.0	268.8
145.0	144.67	0.98	-7.53	7.6	277.4	7.8	277.5
150.0	149.62	0.94	-8.24	8.3	276.5	9.0	267.7
155.0	154.55	0.92	-9.02	9.1	275.8	9.4	264.5
160.0	159.48	0.89	-9.86	9.9	275.2	8.9	258.0
165.0	164.41	0.89	-10.70	10.7	274.7	10.1	276.5
170.0	169.33	0.83	-11.56	11.6	274.1	10.2	267.0
175.0	174.25	0.75	-12.45	12.5	273.4	10.5	264.7
180.0	179.17	0.63	-13.35	13.4	272.7	10.8	260.6
185.0	184.08	0.53	-14.29	14.3	272.1	11.1	266.4
190.0	188.98	0.39	-15.25	15.2	271.5	11.7	267.9
195.0	193.87	0.24	-16.28	16.3	270.9	11.4	273.3
200.0	198.74	0.23	-17.39	17.4	270.8	12.8	262.9
205.0	203.60	0.17	-18.53	18.5	270.5	13.8	267.9
210.0	208.46	0.09	-19.71	19.7	270.3	13.5	263.9
215.0	213.31	0.02	-20.92	20.9	270.1	13.8	251.8
220.0	218.15	-.08	-22.15	22.1	269.8	14.6	266.3
225.0	222.98	-.16	-23.43	23.4	269.6	15.0	268.3
230.0	227.81	-.30	-24.71	24.7	269.3	15.3	267.1
235.0	232.63	-.31	-26.02	26.0	269.3	15.7	284.8
240.0	237.44	-.38	-27.36	27.4	269.2	17.1	288.9
245.0	242.24	-.41	-28.70	28.7	269.2	16.4	271.7
250.0	247.04	-.55	-30.08	30.1	269.0	16.5	261.6
255.0	251.83	-.66	-31.51	31.5	268.8	16.9	267.1
260.0	256.61	-.80	-32.97	33.0	268.6	17.4	267.4
265.0	261.38	-.99	-34.43	34.4	268.3	18.0	284.2

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING RIVER COAL HOLE ID. : RH-2418
 FIELD OFFICE : CALGARY DATE OF LOG : 10/25/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 3

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
270.0	266.15	-1.16	-35.91	35.9	268.1	17.7	253.0
275.0	270.91	-1.42	-37.40	37.4	267.8	18.4	264.3
280.0	275.66	-1.70	-38.92	38.9	267.5	18.2	258.1
285.0	280.41	-2.01	-40.39	40.4	267.2	17.4	259.3
290.0	285.14	-2.34	-41.93	42.0	266.8	19.9	268.5
295.0	289.84	-2.56	-43.61	43.7	266.6	20.1	276.7
300.0	294.51	-2.76	-45.38	45.5	266.5	21.4	261.7
305.0	299.15	-2.92	-47.20	47.3	266.5	22.6	268.0
310.0	303.76	-3.05	-49.10	49.2	266.4	22.7	264.8
315.0	308.35	-3.11	-51.06	51.2	266.5	24.4	268.1
320.0	312.93	-3.09	-53.07	53.2	266.7	24.8	273.1
325.0	317.48	-3.05	-55.11	55.2	266.8	24.5	275.7
330.0	322.02	-2.92	-57.20	57.3	267.1	24.9	272.8
335.0	326.54	-2.73	-59.31	59.4	267.4	25.7	278.5
340.0	331.06	-2.47	-61.44	61.5	267.7	25.6	277.0
345.0	335.56	-2.16	-63.56	63.6	268.1	26.0	279.6
350.0	340.06	-1.86	-65.69	65.7	268.4	25.3	256.7
355.0	344.57	-1.45	-67.78	67.8	268.8	25.9	277.0
360.0	349.07	-1.09	-69.91	69.9	269.1	26.0	278.7
365.0	353.58	-.81	-72.03	72.0	269.4	25.7	278.7
370.0	358.08	-.44	-74.17	74.2	269.7	25.9	281.4
375.0	362.57	-.12	-76.33	76.3	269.9	26.0	276.5
380.0	367.05	0.22	-78.50	78.5	270.2	26.9	281.2
385.0	371.52	0.57	-80.71	80.7	270.4	27.6	282.0
390.0	375.98	0.94	-82.94	82.9	270.6	26.8	278.3
395.0	380.43	1.31	-85.17	85.2	270.9	27.4	279.6
400.0	384.88	1.74	-87.41	87.4	271.1	26.7	276.8
405.0	389.33	2.30	-89.59	89.6	271.5	28.1	302.0
410.0	393.78	2.84	-91.73	91.8	271.8	26.8	284.3
411.4	395.07	2.99	-92.34	92.4	271.9	0.0	0.0





RH #2419

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD HOLE ID. : RH-2419
 FIELD OFFICE : CALGARY DATE OF LOG : 09/30/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG B

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
15.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
20.0	20.00	-.06	-.03	0.1	202.9	1.5	212.4
25.0	25.00	-.18	-.11	0.2	210.4	1.7	226.4
30.0	29.99	-.29	-.19	0.3	213.3	1.3	199.5
35.0	34.99	-.35	-.27	0.4	217.4	0.7	229.2
40.0	39.99	-.41	-.35	0.5	220.5	2.0	220.0
45.0	44.99	-.53	-.45	0.7	220.6	1.7	206.3
50.0	49.99	-.62	-.60	0.9	223.8	2.0	257.9
55.0	54.98	-.71	-.82	1.1	229.2	2.9	258.9
60.0	59.97	-.79	-1.05	1.3	233.2	3.2	247.1
65.0	64.97	-.87	-1.32	1.6	236.5	3.6	252.9
70.0	69.96	-.97	-1.60	1.9	238.9	3.6	255.0
75.0	74.95	-1.06	-1.92	2.2	241.0	4.0	251.2
80.0	79.93	-1.14	-2.28	2.5	243.3	4.7	260.9
85.0	84.92	-1.22	-2.67	2.9	245.4	5.2	269.7
90.0	89.90	-1.30	-3.07	3.3	247.0	5.4	260.9
95.0	94.88	-1.40	-3.52	3.8	248.3	5.3	253.7
100.0	99.85	-1.49	-4.01	4.3	249.6	6.1	253.7
105.0	104.82	-1.57	-4.53	4.8	250.9	6.1	258.6
110.0	109.80	-1.64	-5.06	5.3	252.1	6.6	271.1
115.0	114.76	-1.70	-5.62	5.9	253.2	7.0	269.9
120.0	119.72	-1.74	-6.24	6.5	254.4	7.7	269.6
125.0	124.68	-1.77	-6.90	7.1	255.6	7.6	262.6
130.0	129.63	-1.79	-7.59	7.8	256.7	8.1	263.7
135.0	134.58	-1.78	-8.29	8.5	257.8	8.2	269.5
140.0	139.53	-1.78	-9.00	9.2	258.8	8.7	269.7
145.0	144.47	-1.75	-9.73	9.9	259.8	7.2	267.8
150.0	149.43	-1.71	-10.42	10.6	260.7	7.7	272.6
155.0	154.38	-1.67	-11.10	11.2	261.4	8.0	271.4
160.0	159.33	-1.61	-11.81	11.9	262.2	8.4	269.6
165.0	164.27	-1.57	-12.51	12.6	262.9	8.7	274.7
170.0	169.22	-1.56	-13.25	13.3	263.3	8.5	279.8
175.0	174.15	-1.55	-14.04	14.1	263.7	9.4	273.1
180.0	179.09	-1.52	-14.86	14.9	264.2	9.4	267.5
185.0	184.02	-1.49	-15.69	15.8	264.6	9.7	274.2
190.0	188.94	-1.47	-16.54	16.6	264.9	10.4	276.2
195.0	193.86	-1.47	-17.44	17.5	265.2	10.5	270.9
200.0	198.76	-1.42	-18.40	18.5	265.6	12.2	292.4
205.0	203.64	-1.38	-19.45	19.5	265.9	11.6	276.0
210.0	208.51	-1.40	-20.55	20.6	266.1	13.5	278.2
215.0	213.37	-1.40	-21.72	21.8	266.3	13.6	265.8
220.0	218.22	-1.44	-22.93	23.0	266.4	14.2	262.5
225.0	223.07	-1.49	-24.17	24.2	266.5	14.3	271.5
230.0	227.90	-1.52	-25.45	25.5	266.6	15.3	276.7
235.0	232.73	-1.55	-26.70	26.7	266.7	15.5	279.2
240.0	237.55	-1.56	-28.01	28.0	266.8	14.8	271.9
245.0	242.38	-1.58	-29.32	29.4	266.9	15.2	266.9
250.0	247.20	-1.57	-30.64	30.7	267.1	15.4	266.2
255.0	252.01	-1.59	-31.98	32.0	267.2	15.3	278.9
260.0	256.82	-1.62	-33.35	33.4	267.2	16.1	263.5
265.0	261.62	-1.59	-34.73	34.8	267.4	16.7	275.0

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD HOLE ID. : RH-2419
 FIELD OFFICE : CALGARY DATE OF LOG : 09/30/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 8

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
270.0	266.41	-1.58	-36.13	36.2	267.5	16.8	267.1
275.0	271.20	-1.54	-37.51	37.5	267.6	13.3	264.5
280.0	275.99	-1.58	-38.96	39.0	267.7	16.8	268.7
285.0	280.77	-1.69	-40.40	40.4	267.6	18.3	269.2
290.0	285.54	-1.60	-41.88	41.9	267.5	14.2	235.8
295.0	290.31	-1.86	-43.38	43.4	267.5	18.4	279.9
300.0	295.07	-1.89	-44.88	44.9	267.6	17.7	272.1
305.0	299.83	-1.89	-46.42	46.5	267.7	19.9	274.0
310.0	304.57	-1.88	-47.98	48.0	267.8	18.3	272.3
315.0	309.31	-1.87	-49.56	49.6	267.8	17.9	275.3
320.0	314.04	-1.77	-51.18	51.2	268.0	18.0	272.5
325.0	318.76	-1.69	-52.80	52.8	268.2	19.9	276.2
330.0	323.48	-1.55	-54.43	54.4	268.4	19.9	282.4
335.0	328.19	-1.45	-56.09	56.1	268.5	19.8	274.1
340.0	332.89	-1.31	-57.76	57.8	268.7	19.9	273.2
345.0	337.59	-1.17	-59.45	59.5	268.9	20.1	277.0
350.0	342.30	-1.02	-61.14	61.1	269.0	20.0	276.5
355.0	346.99	-.84	-62.84	62.8	269.2	20.5	275.8
360.0	351.68	-.50	-64.49	64.5	269.6	21.8	296.5
365.0	356.36	-.25	-66.20	66.2	269.8	20.9	277.4
370.0	361.04	-.04	-67.95	68.0	270.0	20.9	275.4
375.0	365.71	0.23	-69.71	69.7	270.2	20.9	281.9
380.0	370.38	0.51	-71.39	71.4	270.4	19.9	265.2
385.0	375.06	0.79	-73.12	73.1	270.6	21.1	252.0
390.0	379.72	1.12	-74.89	74.9	270.9	20.5	281.3
395.0	384.36	1.50	-76.69	76.7	271.1	21.2	285.9
400.0	389.01	1.91	-78.44	78.5	271.4	21.9	283.4
405.0	393.65	2.31	-80.26	80.3	271.6	22.1	284.3
410.0	398.28	2.70	-82.11	82.1	271.9	21.7	275.0
415.0	402.90	3.13	-83.95	84.0	272.1	22.2	280.4
420.0	407.51	3.58	-85.80	85.9	272.4	23.3	283.3
425.0	412.12	4.04	-87.66	87.7	272.6	22.5	300.4
430.0	416.73	4.45	-89.52	89.6	272.8	21.5	259.9
435.0	421.32	4.96	-91.38	91.5	273.1	22.4	302.7
440.0	425.93	5.49	-93.23	93.4	273.4	22.5	278.1
445.0	430.52	6.06	-95.06	95.3	273.6	22.3	283.9
450.0	435.10	6.57	-96.99	97.2	273.9	23.1	278.1
455.0	439.69	7.09	-98.89	99.1	274.1	23.2	283.3
460.0	444.29	7.62	-100.78	101.1	274.3	23.0	287.8
465.0	448.90	8.17	-102.63	102.9	274.6	23.0	289.1
470.0	453.52	8.70	-104.45	104.8	274.8	22.6	297.9
475.0	458.15	9.28	-106.24	106.6	275.0	21.5	290.5
480.0	462.80	9.85	-107.98	108.4	275.2	21.2	289.3
485.0	467.46	10.43	-109.66	110.1	275.4	21.3	293.4
490.0	472.12	10.96	-111.36	111.9	275.6	21.0	285.1
495.0	476.79	11.50	-113.05	113.6	275.8	20.3	289.0
498.0	479.60	11.82	-114.04	114.7	275.9	0.0	0.0

2419

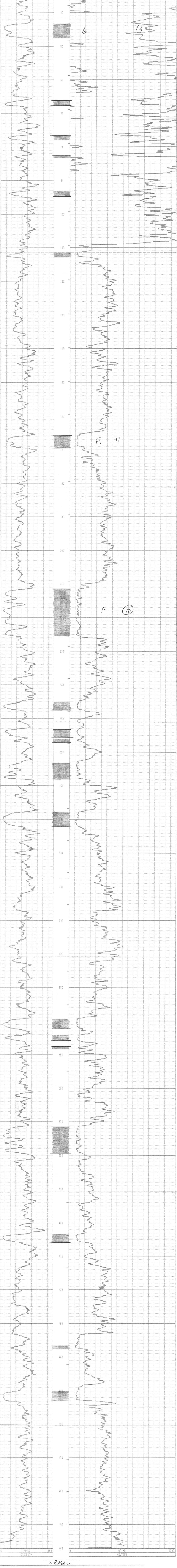


Century

GAMMA-NEUTRON

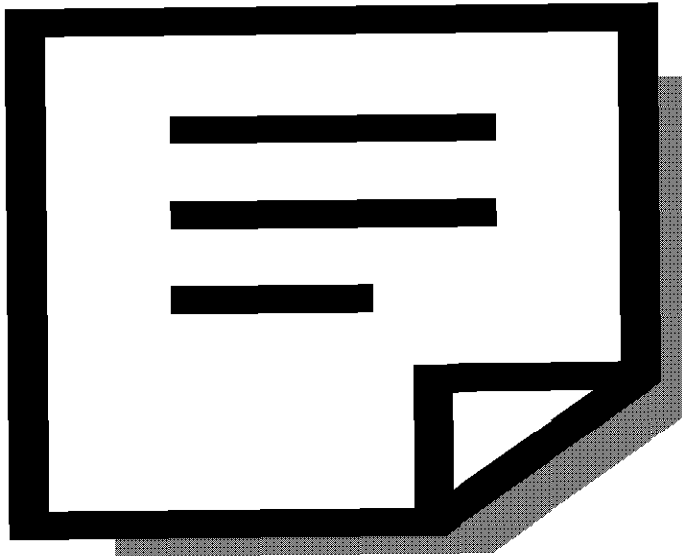
COMPANY : FORDING COAL LTD.	OTHER SERVICES:	
WELL : RH-2419	9067	
LOCATION/FIELD : FORDING RIVER MINE	9055	
COUNTY :	9050	
STATE : B.C.		
SECTION :	TOWNSHIP :	RANGE :
DATE : 09/30/93	PERMANENT DATUM : GL	ELEVATIONS
DEPTH DRILLER : 498	ELEV. PERM. DATUM: KB :	
LOG BOTTOM : 497.08	LOG MEASURED FROM: GL	DF :
LOG TOP : 0.18	DRL MEASURED FROM: GL	GL :
CASING DRILLER : 3	LOGGING UNIT : 8902	
CASING TYPE : STEEL	FIELD OFFICE : CALGARY	
CASING THICKNESS : .125	RECORDED BY : T. LEWICKYJ	
BIT SIZE : 12.7	BOREHOLE FLUID : WATER	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM : 0	TYPE : 9067A
MATRIX DENSITY : 2.68	RM TEMPERATURE : 0	LOG : 6
NEUTRON MATRIX : 1.0	MATRIX DELTA T : 175	PLOT : TESTHOLE
REMARKS :	FLUID DELTA T : 690	THRESH: 1000
THROUGH RODS :		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



© BASAL.

TOOL CALIBRATION		TOOL = 9067A	SERIAL NUMBER = 514			
CAL-DATE	CAL-TIME	SRC	SENSOR	RESPONSE	STANDARD	
0	09/05/93	13:13:24	0	GAMMA	0.000 CPS	0.000 API-GR
1	09/05/93	13:13:24	0	GAMMA	0.000 CPS	0.000 API-GR
2	09/05/93	13:23:22	0	NEUTRON	102.000 CPS	271.000 API-N
3	09/05/93	13:13:24	0	NEUTRON	0.000 CPS	0.000 API-N



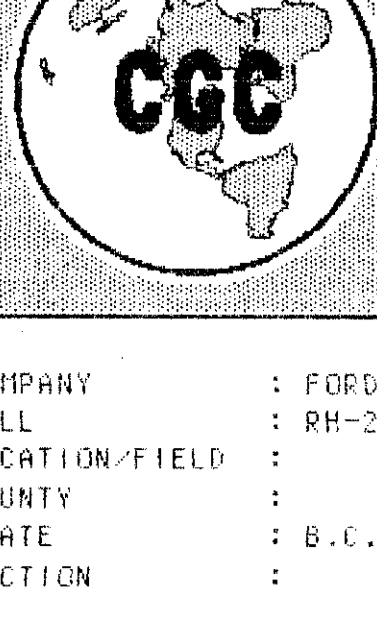
2420

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING RIVER COAL HOLE ID. : RH-2420
 FIELD OFFICE : CALGARY DATE OF LOG : 10/21/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 7

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
15.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
20.0	20.00	-.01	-.00	0.0	209.3	0.5	215.4
25.0	25.00	-.05	-.04	0.1	218.4	1.2	247.3
30.0	30.00	-.10	-.13	0.2	233.0	1.4	270.4
35.0	35.00	-.12	-.25	0.3	245.0	1.2	279.5
40.0	39.99	-.10	-.39	0.4	255.5	1.4	267.6
45.0	44.99	-.09	-.50	0.5	259.6	1.3	266.1
50.0	49.99	-.12	-.62	0.6	259.1	1.7	248.0
55.0	54.99	-.16	-.76	0.8	258.5	1.8	263.4
60.0	59.99	-.18	-.91	0.9	258.6	1.7	259.6
65.0	64.98	-.20	-1.09	1.1	259.4	2.1	259.0
70.0	69.98	-.23	-1.29	1.3	259.7	2.3	258.9
75.0	74.97	-.27	-1.52	1.5	260.1	2.7	281.3
80.0	79.97	-.32	-1.77	1.8	259.8	3.5	260.1
85.0	84.96	-.40	-2.07	2.1	259.0	3.8	254.6
90.0	89.94	-.51	-2.40	2.4	258.1	4.2	259.5
95.0	94.93	-.65	-2.78	2.9	256.8	4.5	245.2
100.0	99.91	-.81	-3.18	3.3	255.7	4.8	252.0
105.0	104.89	-.98	-3.62	3.7	254.9	5.3	252.6
110.0	109.86	-1.14	-4.09	4.2	254.5	5.7	249.2
115.0	114.83	-1.30	-4.58	4.8	254.1	6.2	251.9
120.0	119.80	-1.49	-5.12	5.3	253.7	6.6	255.6
125.0	124.76	-1.74	-5.68	5.9	252.9	8.1	236.8
130.0	129.70	-2.03	-6.36	6.7	252.3	8.9	233.5
135.0	134.64	-2.36	-7.07	7.4	251.5	9.4	241.1
140.0	139.57	-2.71	-7.83	8.3	250.9	9.6	219.4
145.0	144.48	-3.11	-8.64	9.2	250.2	10.8	234.2
150.0	149.39	-3.55	-9.47	10.1	249.5	11.2	241.9
155.0	154.30	-3.99	-10.30	11.0	248.8	11.0	247.5
160.0	159.21	-4.42	-11.16	12.0	248.4	11.3	241.6
165.0	164.11	-4.88	-12.02	13.0	247.9	11.4	244.9
170.0	169.02	-5.34	-12.84	13.9	247.4	11.2	242.1
175.0	173.92	-5.85	-13.64	14.8	246.8	10.9	259.6
180.0	178.81	-6.26	-14.52	15.8	246.7	12.1	242.7
185.0	183.70	-6.71	-15.43	16.8	246.5	12.2	240.7
190.0	188.59	-7.18	-16.35	17.9	246.3	12.0	233.1
195.0	193.47	-7.68	-17.31	18.9	246.1	12.9	241.2
200.0	198.34	-8.19	-18.26	20.0	245.9	13.2	241.7
205.0	203.21	-8.74	-19.26	21.1	245.6	13.1	214.0
210.0	208.06	-9.30	-20.26	22.3	245.3	13.8	210.2
215.0	212.92	-9.88	-21.28	23.5	245.1	13.6	234.3
220.0	217.76	-10.63	-22.22	24.6	244.4	14.2	235.3
225.0	222.60	-11.37	-23.20	25.8	243.9	14.4	217.9
230.0	227.43	-12.17	-24.19	27.1	243.3	15.6	243.0
235.0	232.26	-12.96	-25.17	28.3	242.8	16.1	244.2
240.0	237.07	-13.72	-26.18	29.6	242.3	16.1	256.2
245.0	241.88	-14.61	-27.13	30.8	241.7	15.9	187.5
250.0	246.68	-15.43	-28.05	32.0	241.2	17.1	249.2
255.0	251.46	-16.29	-29.18	33.4	240.8	17.0	219.5
260.0	256.24	-17.17	-30.34	34.9	240.5	17.5	232.2
265.0	261.01	-18.05	-31.50	36.3	240.2	17.1	229.8
270.0	265.78	-18.97	-32.63	37.7	239.8	17.5	187.5

155.0	154.30	-3.99	-10.30	11.0	248.8	11.0	247.5
160.0	159.21	-4.42	-11.16	12.0	248.4	11.3	241.6
165.0	164.11	-4.88	-12.02	13.0	247.9	11.4	244.9
170.0	169.02	-5.34	-12.84	13.9	247.4	11.2	242.1
175.0	173.92	-5.85	-13.64	14.8	246.8	10.9	259.6
180.0	178.81	-6.26	-14.52	15.8	246.7	12.1	242.7
185.0	183.70	-6.71	-15.43	16.8	246.5	12.2	240.7
190.0	188.59	-7.18	-16.35	17.9	246.3	12.0	233.1
195.0	193.47	-7.68	-17.31	18.9	246.1	12.9	241.2
200.0	198.34	-8.19	-18.26	20.0	245.9	13.2	241.7
205.0	203.21	-8.74	-19.26	21.1	245.6	13.1	214.0
210.0	208.06	-9.30	-20.26	22.3	245.3	13.8	210.2
215.0	212.92	-9.88	-21.28	23.5	245.1	13.6	234.3
220.0	217.76	-10.63	-22.22	24.6	244.4	14.2	235.3
225.0	222.60	-11.37	-23.20	25.8	243.9	14.4	217.9
230.0	227.43	-12.17	-24.19	27.1	243.3	15.6	243.0
235.0	232.26	-12.96	-25.17	28.3	242.8	16.1	244.2
240.0	237.07	-13.72	-26.18	29.6	242.3	16.1	256.2
245.0	241.88	-14.61	-27.13	30.8	241.7	15.9	187.5
250.0	246.68	-15.43	-28.05	32.0	241.2	17.1	249.2
255.0	251.46	-16.29	-29.12	33.4	240.8	17.0	219.5
260.0	256.24	-17.17	-30.34	34.9	240.5	17.5	232.2
265.0	261.01	-18.05	-31.50	36.3	240.2	17.1	229.8
270.0	265.78	-18.97	-32.63	37.7	239.8	17.5	187.5
275.0	270.53	-19.90	-33.80	39.2	239.5	18.0	230.1
280.0	275.30	-20.84	-34.97	40.7	239.2	18.1	235.3
285.0	280.06	-21.80	-36.13	42.2	238.9	17.5	234.0
290.0	284.83	-22.75	-37.26	43.7	238.6	17.4	244.5
295.0	289.60	-23.71	-38.33	45.1	238.3	16.3	269.4
300.0	294.37	-24.57	-39.48	46.5	238.1	17.2	228.5
305.0	299.14	-25.46	-40.64	48.0	237.9	18.8	241.1
310.0	303.89	-26.31	-41.84	49.4	237.8	18.3	224.7
315.0	308.63	-27.25	-43.08	51.0	237.7	20.2	196.1
320.0	313.36	-28.24	-44.35	52.6	237.5	19.3	232.5
325.0	318.09	-29.26	-45.56	54.1	237.3	18.5	254.0
330.0	322.83	-30.32	-46.70	55.7	237.0	19.1	198.0
335.0	327.56	-31.36	-47.84	57.2	236.8	19.0	229.8
340.0	332.30	-32.47	-48.91	58.7	236.4	18.1	254.1
345.0	337.04	-33.47	-50.10	60.2	236.3	18.3	225.2
350.0	341.78	-34.53	-51.27	61.8	236.0	18.2	224.9
355.0	346.52	-35.59	-52.40	63.3	235.8	18.5	216.2
360.0	351.26	-36.68	-53.52	64.9	235.6	18.7	245.5
365.0	355.99	-37.82	-54.55	66.4	235.3	19.9	229.2
370.0	360.71	-39.03	-55.66	68.0	235.0	19.8	229.9
375.0	365.42	-40.24	-56.74	69.6	234.7	19.5	217.0
380.0	370.11	-41.57	-57.82	71.2	234.3	20.8	227.2
385.0	374.79	-42.89	-58.92	72.9	233.9	20.5	203.4
390.0	379.46	-44.25	-60.06	74.6	233.6	21.5	211.5
395.0	384.12	-45.51	-61.23	76.3	233.4	21.2	227.8
400.0	388.78	-46.89	-62.19	77.9	233.0	22.3	186.4
405.0	393.41	-48.41	-63.22	79.6	232.6	22.9	239.0
410.0	398.03	-49.92	-64.22	81.3	232.1	22.2	219.8
415.0	402.66	-51.34	-65.43	83.2	231.9	22.6	229.7
420.0	407.29	-52.77	-66.56	84.9	231.6	21.9	235.8
425.0	411.93	-54.13	-67.62	86.6	231.3	22.0	210.4
430.0	416.57	-55.34	-68.70	88.2	231.1	18.0	199.4
435.0	421.21	-56.79	-69.81	90.0	230.9	21.8	214.4
440.0	425.85	-58.19	-70.94	91.7	230.6	22.7	247.9
445.0	430.50	-59.60	-72.06	93.5	230.4	18.8	200.0
450.0	435.17	-60.97	-73.14	95.2	230.2	20.0	235.8
452.6	437.56	-61.66	-73.61	96.0	230.0	0.0	0.0



Century

GAMMA-NEUTRON 2420

COMPANY : FORDING RIVER COAL
 WELL : RM-2420
 LOCATION/FIELD :
 COUNTY :
 STATE : B.C.
 SECTION :
 TOWNSHIP : RANGE :
 DATE : 10/20/92
 DEPTH DRILLER : 600.0
 LOG BOTTOM : 597.82
 LOG TOP : -0.2
 CASING DRILLER : 3.0
 CASING TYPE : STEEL
 CASING THICKNESS : .125
 BIT SIZE : 12.7
 MAGNETIC DECL. : 21
 MATRIX DENSITY : 2.68
 FLUID DENSITY : 1.0
 NEUTRON MATRIX : SANDSTONE
 REMARKS :
 OPEN HOLE :

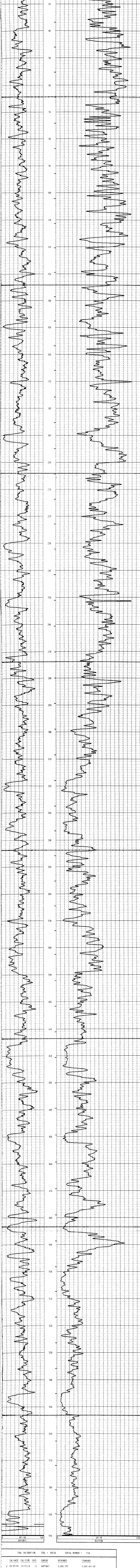
OTHER SERVICES:
 9067
 9055
 9050

PERMANENT DATUM : GL ELEVATIONS
 ELEV. PERM. DATUM: KB :
 LOG MEASURED FROM: GL DF :
 ORL MEASURED FROM: GL GL :

LOGGING UNIT : 0902
 FIELD OFFICE : CALGARY
 RECORDED BY : D. MCNEILL

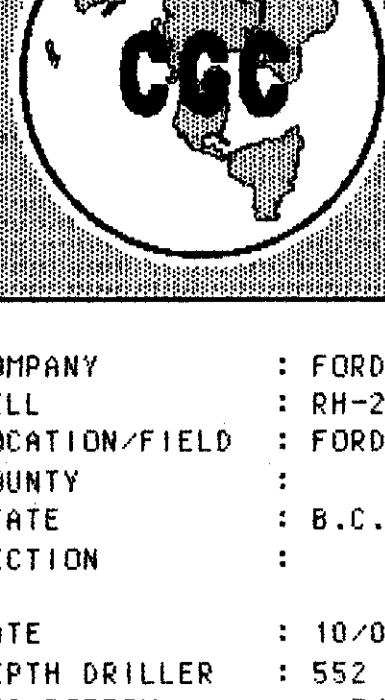
BOREHOLE FLUID : WATER FILE : ORIGINAL
 RH TEMPERATURE : 0 TYPE : 9067A
 MATRIX DELTA T : 173 LOG : 5
 FLUID DELTA T : 690 THRESH: 10000

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION TOOL = 9067A SERIAL NUMBER = 514

CAL-DATE	CAL-TIME	SOURCE	SENSOR	RESPONSE	STANDARD	
0	09-03-95	13:13:24	0	GAMMA-RAY	0.000 CPS	0.000 API-GR
1	09-03-95	13:13:24	0	GAMMA-RAY	0.000 CPS	0.000 API-GR
2	09-03-95	13:22:22	0	NEUTRON	102.000 CPS	271.000 API-N
3	09-03-95	13:13:24	0	NEUTRON	0.000 CPS	0.000 API-N

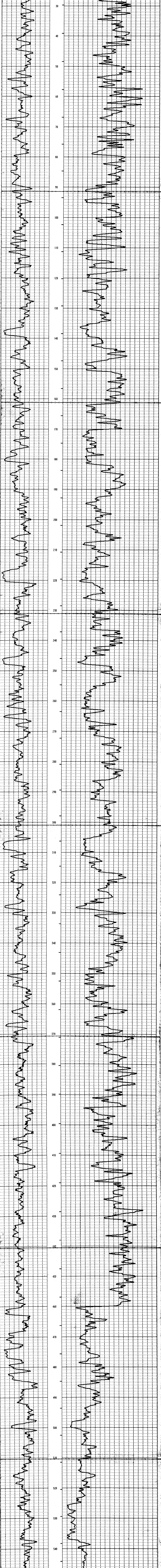


Century

GAMMA-NEUTRON

COMPANY : FORDING COAL LTD	OTHER SERVICES:	
WELL : RH-2421	9067	
LOCATION/FIELD : FORDING RIVER MINE	9055	
COUNTY :	9030	
STATE : B.C.		
SECTION :	TOWNSHIP : RANGE :	
DATE : 10/06/93	PERMANENT DATUM : GL	ELEVATIONS
DEPTH DRILLER : 552	ELEV. PERM. DATUM: KB :	
LOG BOTTOM : 549.08	LOG MEASURED FROM: GL	DF :
LOG TOP : -70	DRL MEASURED FROM: GL	GL :
CASING DRILLER : 3	LOGGING UNIT : 8902	
CASING TYPE : STEEL	FIELD OFFICE : CALGARY	
CASING THICKNESS: 125	RECORDED BY : T. LEHYCKYJ	
BIT SIZE : 12.7	BOREHOLE FLUID : WATER	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM : 0	TYPE : 9067A
MATRIX DENSITY : 2.68	RM TEMPERATURE : 0	LOG : 0
FLUID DENSITY : 1.0	MATRIX DELTA T : 173	PLOT : TESTHOLE 1
NEUTRON MATRIX : SANDSTONE	FLUID DELTA T : 690	THRESH: 1000
REMARKS :		
THROUGH RODS		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION TOOL = 9067A SERIAL NUMBER = 514

CAL-DATE	CAL-TIME	SRCE	SENSOR	RESPONSE	STANDARD
0	09-03-93	13:13:24	0	0.000 CPS	0.000 API-GR
1	09-03-93	13:13:24	0	0.000 CPS	0.000 API-GR
2	09-03-93	13:23:22	0	102.000 CPS	271.000 API-N
3	09-03-93	13:13:24	0	0.000 CPS	0.000 API-N

2421

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD HOLE ID. : RH-2421
 FIELD OFFICE : CALGARY DATE OF LOG : 10/06/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
15.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
20.0	20.00	0.00	0.00	0.0	-0	0.0	0.0
25.0	25.00	-0.04	-0.07	0.1	239.7	1.3	241.7
30.0	30.00	-0.10	-0.18	0.2	239.6	1.5	245.5
35.0	35.00	-0.18	-0.29	0.3	237.4	1.6	221.2
40.0	39.99	-0.28	-0.38	0.5	233.2	1.4	215.4
45.0	44.99	-0.40	-0.46	0.6	228.9	1.7	213.9
50.0	49.99	-0.54	-0.55	0.8	225.5	1.8	206.0
55.0	54.99	-0.69	-0.64	0.9	222.9	2.1	219.9
60.0	59.98	-0.85	-0.73	1.1	221.0	2.3	206.6
65.0	64.98	-1.01	-0.83	1.3	219.5	2.0	212.3
70.0	69.97	-1.18	-0.92	1.5	218.0	2.5	207.3
75.0	74.97	-1.38	-1.04	1.7	217.0	2.6	213.1
80.0	79.97	-1.58	-1.14	1.9	215.9	2.8	200.2
85.0	84.96	-1.78	-1.25	2.2	215.0	2.5	206.3
90.0	89.96	-1.98	-1.36	2.4	214.4	2.4	185.7
95.0	94.95	-2.14	-1.54	2.6	215.7	3.2	230.7
100.0	99.94	-2.30	-1.74	2.9	217.1	2.8	247.1
105.0	104.94	-2.46	-1.93	3.1	218.2	3.1	227.3
110.0	109.93	-2.62	-2.14	3.4	219.2	3.3	203.3
115.0	114.92	-2.84	-2.32	3.7	219.2	3.5	216.1
120.0	119.91	-3.08	-2.49	4.0	219.0	3.3	221.2
125.0	124.90	-3.32	-2.68	4.3	218.9	3.8	218.4
130.0	129.89	-3.55	-2.91	4.6	219.4	3.6	233.9
135.0	134.88	-3.72	-3.17	4.9	220.4	3.6	234.3
140.0	139.87	-3.90	-3.45	5.2	221.5	3.9	238.1
145.0	144.86	-4.07	-3.74	5.5	222.6	4.0	227.8
150.0	149.85	-4.24	-4.04	5.8	223.6	4.0	241.2
155.0	154.83	-4.41	-4.35	6.2	224.6	4.5	239.7
160.0	159.82	-4.61	-4.66	6.6	225.3	4.5	231.4
165.0	164.80	-4.83	-4.97	6.9	225.8	5.2	233.5
170.0	169.79	-5.09	-5.30	7.3	226.2	4.5	235.2
175.0	174.77	-5.37	-5.66	7.8	226.5	5.8	250.2
180.0	179.74	-5.64	-6.10	8.3	227.2	6.1	230.7
185.0	184.71	-5.92	-6.56	8.8	227.9	5.9	209.8
190.0	189.68	-6.15	-7.05	9.4	228.9	6.8	260.0
195.0	194.64	-6.42	-7.59	9.9	229.8	7.4	222.6
200.0	199.59	-6.71	-8.18	10.6	230.6	8.0	255.3
205.0	204.54	-7.01	-8.81	11.3	231.5	8.3	243.5
210.0	209.49	-7.32	-9.47	12.0	232.3	8.6	238.2
215.0	214.43	-7.64	-10.15	12.7	233.0	9.5	248.2
220.0	219.36	-8.01	-10.87	13.5	233.6	9.7	235.4
225.0	224.29	-8.35	-11.66	14.3	234.4	10.4	242.9
230.0	229.20	-8.72	-12.48	15.2	235.0	9.9	234.6
235.0	234.11	-9.14	-13.32	16.2	235.5	11.0	245.2
240.0	239.02	-9.57	-14.18	17.1	236.0	12.1	232.5
245.0	243.91	-10.03	-15.01	18.1	236.2	12.3	241.6
250.0	248.80	-10.52	-15.91	19.1	236.5	13.6	201.3
255.0	253.68	-11.02	-16.83	20.1	236.8	11.5	252.2
260.0	258.55	-11.49	-17.83	21.2	237.2	13.7	245.9
265.0	263.41	-11.97	-18.86	22.3	237.6	13.8	236.3
270.0	268.27	-12.47	-19.89	23.5	237.9	13.7	247.4

***** COMPUL-LOG I - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD HOLE ID. : RH-2421
 FIELD OFFICE : CALGARY DATE OF LOG : 10/06/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGS
275.0	273.12	-12.97	-20.98	24.7	238.3	13.6	251.8
280.0	277.98	-13.55	-21.99	25.8	238.4	13.9	247.8
285.0	282.83	-14.10	-23.02	27.0	238.5	14.5	244.2
290.0	287.67	-14.74	-24.08	28.2	238.5	15.0	240.3
295.0	292.49	-15.52	-25.13	29.5	238.3	15.5	233.6
300.0	297.29	-16.35	-26.19	30.9	238.0	15.1	258.8
305.0	302.08	-17.15	-27.27	32.2	237.8	17.5	211.6
310.0	306.85	-18.00	-28.47	33.7	237.7	17.4	241.7
315.0	311.62	-18.82	-29.71	35.2	237.7	17.4	244.2
320.0	316.40	-19.67	-30.89	36.6	237.5	17.2	243.6
325.0	321.18	-20.50	-32.07	38.1	237.4	17.3	221.1
330.0	325.94	-21.39	-33.22	39.5	237.2	14.1	239.2
335.0	330.70	-22.11	-34.54	41.0	237.4	18.3	240.5
340.0	335.45	-22.84	-35.86	42.5	237.5	18.5	245.4
345.0	340.19	-23.62	-37.18	44.0	237.6	18.6	252.6
350.0	344.91	-24.34	-38.57	45.6	237.7	19.3	239.4
355.0	349.63	-25.09	-40.03	47.2	237.9	19.1	232.8
360.0	354.35	-25.82	-41.50	48.9	238.1	19.6	244.2
365.0	359.05	-26.50	-43.04	50.5	238.4	19.9	253.5
370.0	363.74	-27.25	-44.57	52.2	238.6	20.4	208.5
375.0	368.42	-28.00	-46.04	53.9	238.7	21.5	252.1
380.0	373.09	-28.79	-47.56	55.6	238.8	21.4	251.2
385.0	377.75	-29.70	-49.05	57.3	238.8	21.5	225.0
390.0	382.39	-30.52	-50.63	59.1	238.9	21.5	256.5
395.0	387.03	-31.39	-52.27	61.0	239.0	22.0	237.2
400.0	391.65	-32.22	-53.93	62.8	239.1	22.7	251.8
405.0	396.27	-33.09	-55.60	64.7	239.2	23.0	238.1
410.0	400.87	-33.94	-57.33	66.6	239.4	22.8	254.0
415.0	405.48	-34.73	-59.06	68.5	239.5	22.9	248.8
420.0	410.09	-35.62	-60.68	70.4	239.6	23.7	244.3
425.0	414.68	-36.54	-62.41	72.3	239.7	23.8	242.4
430.0	419.27	-37.48	-64.13	74.3	239.7	23.4	227.0
435.0	423.85	-38.38	-65.86	76.2	239.8	23.8	255.3
440.0	428.44	-39.31	-67.59	78.2	239.8	23.3	245.5
445.0	433.04	-40.21	-69.30	80.1	239.9	22.4	235.0
450.0	437.65	-41.15	-70.89	82.0	239.9	22.9	264.1
455.0	442.28	-41.89	-72.59	83.8	240.0	22.6	224.2
460.0	446.91	-42.84	-74.14	85.6	240.0	21.9	228.5
465.0	451.53	-43.78	-75.72	87.5	240.0	22.4	242.8
470.0	456.14	-44.55	-77.44	89.3	240.1	23.1	260.4
475.0	460.74	-45.40	-79.17	91.3	240.2	23.1	242.0
480.0	465.34	-46.33	-80.90	93.2	240.2	23.1	241.9
485.0	469.94	-47.25	-82.63	95.2	240.2	23.1	241.7
485.3	470.22	-47.30	-82.72	95.3	240.2	0.0	0.0

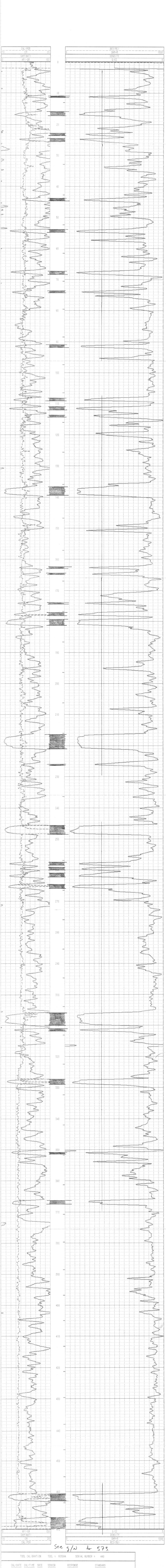


Century

GAMMA-RES-DENSITY

COMPANY : FORDING COAL LTD	OTHER SERVICES:	
WELL : RH-2421	9067	
LOCATION/FIELD : FORDING RIVER MINE	9055	
COUNTY :	9030	
STATE : B.C.		
SECTION :	TOWNSHIP :	RANGE :
DATE : 10/06/93	PERMANENT DATUM : GL	ELEVATIONS
DEPTH DRILLER : 552	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 481.96	LOG MEASURED FROM: GL	DF :
LOG TOP : 0.04	DRL MEASURED FROM: GL	GL :
CASING DRILLER : 3	LOGGING UNIT : 8902	
CASING TYPE : STEEL	FIELD OFFICE : CALGARY	
CASING THICKNESS: .125	RECORDED BY : T. LEWYCKYJ	
BIT SIZE : 12.7	BOREHOLE FLUID : WATER	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM : 0	TYPE : 9030AA
MATRIX DENSITY : 2.68	RM TEMPERATURE : 0	LOG : 3
FLUID DENSITY : 1.0	MATRIX DELTA T : 175	PLOT : TESTHOLE 1
NEUTRON MATRIX : SANDSTONE	FLUID DELTA T : 690	THRESH: 1000
REMARKS :		
OPEN HOLE		

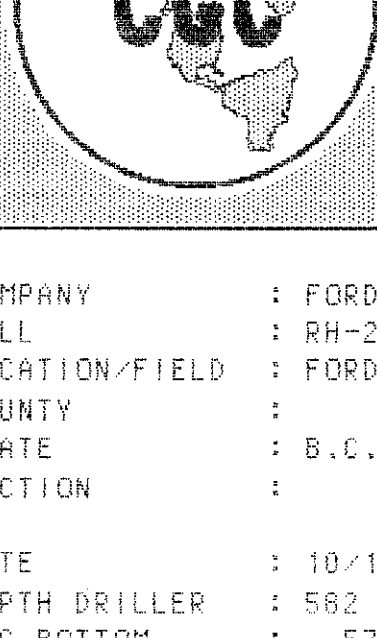
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



See g/w to 573.

TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 440

CAL-DATE	CAL-TIME	SRC	SENSOR	RESPONSE	STANDARD	
0	09/08/93	13:22:11	0	GAM(NAT)	0.000 CPS	0.000 API-GR
1	09/08/93	13:22:11	0	GAM(NAT)	0.000 CPS	0.000 API-GR
2	09/09/93	14:17:57	0	DENSITY	5218.700 CPS	1.106 G/CC
3	09/09/93	14:35:32	0	DENSITY	2079.600 CPS	2.120 G/CC
4	09/08/93	14:11:56	0	RES(MG)	74.400 CPS	0.000 OHM-M
5	09/08/93	14:27:23	0	RES(MG)	66941.500 CPS	800.000 OHM-M
6	09/08/93	13:49:30	0	CALIPER	299.100 CPS	7.600 CM
7	09/08/93	13:49:30	0	CALIPER	1872.500 CPS	17.800 CM
8	09/08/93	13:22:11	0	DENSITYH	0.000 CPS	0.000 G/CC
9	09/08/93	13:22:11	0	DENSITYH	0.000 CPS	0.000 G/CC
10	09/08/93	13:22:11	0	CALIPERL	0.000 CPS	0.000 CM
11	09/08/93	13:22:11	0	CALIPERL	0.000 CPS	0.000 CM

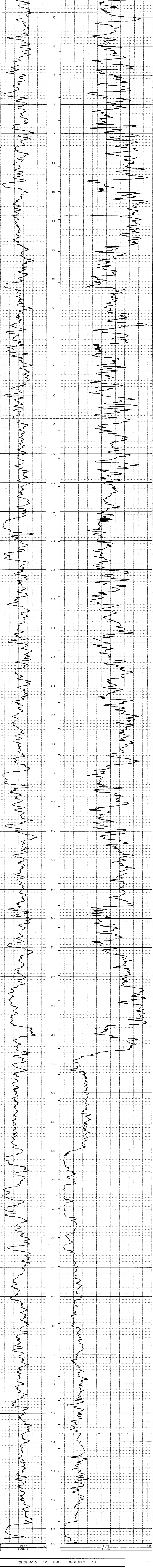


Century

GAMMA-NEUTRON

COMPANY : FORDING COAL LTD	OTHER SERVICES:
WELL : RH-2422	9067
LOCATION/FIELD : FORDING RIVER MINE	9055
COUNTY :	9030
STATE : B.C.	
SECTION :	TOWNSHIP : RANGE :
DATE : 10/16/93	PERMANENT DATUM : GL ELEVATIONS
DEPTH DRILLER : 562	ELEU. PERM. DATUM: KB :
LOG BOTTOM : 575.12	LOG MEASURED FROM: GL DF :
LOG TOP : -.08	DRL MEASURED FROM: GL GL :
CASING DRILLER : 3	LOGGING UNIT : 8902
CASING TYPE : STEEL	FIELD OFFICE : CALGARY
CASING THICKNESS: .125	RECORDED BY : T. LEWYCKYJ
BIT SIZE : 12.7	BOREHOLE FLUID : WATER FILE : ORIGINAL
MAGNETIC DECL. : 21	RM TYPE : 9067H
MATRIX DENSITY : 2.68	RM TEMPERATURE : 0 LOG : 0
FLUID DENSITY : 1.0	MATRIX DELTA T : 173 PLOT : TESTHOLE 1
NEUTRON MATRIX : SANDSTONE	FLUID DELTA T : 690 THRESH: 10000
REMARKS :	
OPEN HOLE	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION			TOOL - 9067A	SERIAL NUMBER = 514		
CAL-DATE	CAL-TIME	SOFC	SENSOR	RESPONSE	STANDARD	
0	09/03/93	13:13:24	0	GAMMA(T)	0.000 CPS	0.000 API-GR
1	09/03/93	13:13:24	0	GAMMA(T)	0.000 CPS	0.000 API-GR
2	09/03/93	13:23:22	0	NEUTRON	102.000 CPS	271.000 API-N
3	09/03/93	13:15:24	0	NEUTRON	0.000 CPS	0.000 API-N

2422

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD HOLE ID. : RH-2422
 FIELD OFFICE : CALGARY DATE OF LOG : 10/17/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
15.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
20.0	20.00	0.03	0.00	0.0	8.7	0.5	356.1
25.0	25.00	0.07	0.02	0.1	12.0	0.6	20.2
30.0	30.00	0.11	0.04	0.1	21.1	0.4	68.0
35.0	35.00	0.11	0.09	0.1	38.9	0.4	100.1
40.0	40.00	0.09	0.13	0.2	53.7	0.6	121.7
45.0	45.00	0.07	0.14	0.2	63.2	0.2	131.2
50.0	50.00	0.06	0.14	0.2	65.3	0.1	309.3
55.0	55.00	0.08	0.14	0.2	59.6	0.4	24.3
60.0	60.00	0.11	0.17	0.2	56.7	0.4	73.0
65.0	65.00	0.11	0.21	0.2	62.9	0.5	117.2
70.0	70.00	0.06	0.24	0.2	76.6	0.9	162.6
75.0	75.00	-0.03	0.25	0.2	97.5	1.2	185.2
80.0	80.00	-0.14	0.22	0.3	122.2	1.4	208.6
85.0	84.99	-0.26	0.15	0.3	150.3	1.7	216.7
90.0	89.99	-0.39	0.03	0.4	175.6	2.4	214.0
95.0	94.99	-0.53	-0.13	0.5	193.2	2.6	239.8
100.0	99.98	-0.68	-0.30	0.7	203.8	2.8	225.0
105.0	104.97	-0.85	-0.52	1.0	211.4	3.3	235.0
110.0	109.96	-1.02	-0.77	1.3	217.0	4.0	247.1
115.0	114.95	-1.20	-1.07	1.6	221.8	3.6	240.6
120.0	119.94	-1.39	-1.36	1.9	224.3	4.1	241.0
125.0	124.92	-1.60	-1.68	2.3	226.4	4.2	254.2
130.0	129.91	-1.81	-2.00	2.7	227.9	4.3	230.6
135.0	134.89	-2.03	-2.35	3.1	229.2	5.2	240.2
140.0	139.87	-2.28	-2.74	3.6	230.2	5.5	238.9
145.0	144.84	-2.56	-3.15	4.1	230.9	5.7	246.6
150.0	149.82	-2.82	-3.59	4.6	231.8	5.9	253.1
155.0	154.79	-3.11	-4.02	5.1	232.3	6.3	236.0
160.0	159.75	-3.43	-4.53	5.7	232.9	7.4	210.7
165.0	164.71	-3.74	-5.08	6.3	233.6	7.6	237.1
170.0	169.66	-4.11	-5.65	7.0	234.0	7.9	233.5
175.0	174.61	-4.45	-6.28	7.7	234.7	8.7	251.2
180.0	179.55	-4.73	-6.98	8.4	235.9	9.0	243.8
185.0	184.49	-5.02	-7.71	9.2	236.9	9.3	256.3
190.0	189.42	-5.33	-8.46	10.0	237.8	9.4	245.3
195.0	194.34	-5.64	-9.26	10.8	238.7	10.0	246.4
200.0	199.26	-5.95	-10.09	11.7	239.5	10.3	249.3
205.0	204.19	-6.25	-10.90	12.6	240.2	10.1	258.0
210.0	209.11	-6.57	-11.71	13.4	240.7	10.1	241.7
215.0	214.03	-6.87	-12.56	14.3	241.3	10.3	226.2
220.0	218.93	-7.23	-13.43	15.3	241.7	11.6	249.7
225.0	223.84	-7.58	-14.35	16.2	242.2	11.6	250.5
230.0	228.73	-7.96	-15.29	17.2	242.5	11.5	251.4
235.0	233.62	-8.35	-16.23	18.3	242.8	12.0	253.6
240.0	238.51	-8.77	-17.18	19.3	243.0	12.7	248.1
245.0	243.39	-9.20	-18.15	20.4	243.2	13.1	255.4
250.0	248.27	-9.62	-19.16	21.4	243.3	12.4	244.3
255.0	253.14	-10.06	-20.19	22.6	243.5	13.2	265.0
260.0	258.01	-10.49	-21.22	23.7	243.7	12.9	244.1
265.0	262.88	-10.90	-22.29	24.8	243.9	13.6	252.6

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD
 FIELD OFFICE : CALGARY
 DATA FROM :
 MAG. DECL. : 21.000

HOLE ID. : RH-2422
 DATE OF LOG : 10/17/93
 PROBE : 9055A 82
 DEPTH UNITS : METER LOG 2

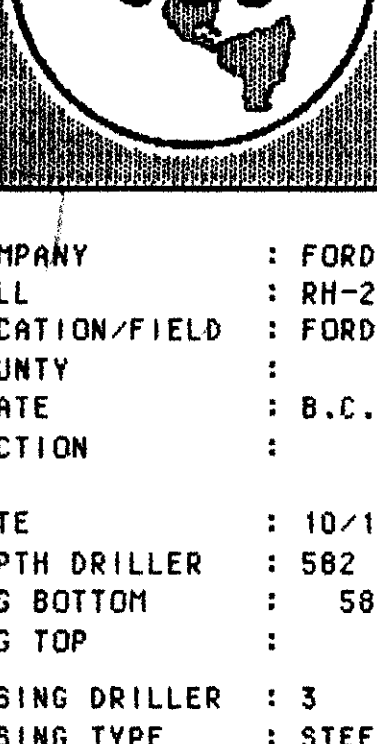
CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
270.0	267.74	-11.35	-23.34	25.9	244.1	14.2	252.0
275.0	272.59	-11.79	-24.46	27.2	244.3	13.9	247.6
280.0	277.44	-12.25	-25.58	28.4	244.4	14.0	244.2
285.0	282.29	-12.69	-26.68	29.5	244.6	13.6	247.0
290.0	287.15	-13.16	-27.74	30.7	244.6	15.2	251.9
295.0	291.98	-13.59	-28.91	31.9	244.8	14.2	231.7
300.0	296.81	-14.20	-30.01	33.2	244.7	15.2	241.3
305.0	301.63	-14.85	-31.13	34.5	244.5	15.4	218.7
310.0	306.45	-15.50	-32.30	35.8	244.4	15.9	241.8
315.0	311.25	-16.16	-33.51	37.2	244.3	16.9	230.3
320.0	316.05	-16.85	-34.73	38.6	244.1	16.0	239.3
325.0	320.84	-17.50	-35.97	40.0	244.0	16.9	242.5
330.0	325.62	-18.22	-37.22	41.4	243.9	17.0	241.3
335.0	330.39	-18.96	-38.48	42.9	243.8	18.1	255.2
340.0	335.15	-19.65	-39.78	44.4	243.7	17.5	238.3
345.0	339.90	-20.21	-41.20	45.9	243.9	18.0	246.1
350.0	344.66	-20.76	-42.55	47.3	244.0	17.9	234.4
355.0	349.41	-21.45	-43.94	48.9	244.0	17.7	243.0
360.0	354.16	-22.11	-45.31	50.4	244.0	18.2	254.3
365.0	358.91	-22.63	-46.75	51.9	244.2	18.8	262.8
370.0	363.65	-23.15	-48.15	53.4	244.3	18.4	249.8
375.0	368.40	-23.70	-49.62	55.0	244.5	17.8	238.5
380.0	373.14	-24.24	-51.07	56.5	244.6	17.9	234.5
385.0	377.88	-24.76	-52.50	58.0	244.8	19.4	254.8
390.0	382.63	-25.31	-53.97	59.6	244.9	19.7	249.3
395.0	387.36	-25.85	-55.48	61.2	245.0	19.0	251.9
400.0	392.09	-26.38	-56.99	62.8	245.2	19.4	245.0
405.0	396.82	-26.94	-58.49	64.4	245.3	18.6	245.6
410.0	401.54	-27.45	-60.03	66.0	245.4	18.9	264.9
415.0	406.27	-28.05	-61.47	67.6	245.5	18.5	231.9
420.0	410.98	-28.53	-63.03	69.2	245.6	19.4	251.2
425.0	415.69	-29.05	-64.62	70.8	245.8	19.6	250.7
430.0	420.40	-29.55	-66.22	72.5	246.0	18.3	262.1
435.0	425.12	-30.17	-67.67	74.1	246.0	19.8	248.8
440.0	429.83	-30.86	-69.17	75.7	246.0	19.6	241.3
445.0	434.54	-31.49	-70.68	77.4	246.0	18.9	228.7
450.0	439.24	-32.18	-72.06	78.9	245.9	20.1	241.0
455.0	443.93	-32.92	-73.58	80.6	245.9	19.9	241.5
460.0	448.62	-33.65	-75.12	82.3	245.9	21.2	250.0
465.0	453.30	-34.39	-76.70	84.1	245.8	20.7	248.3
470.0	457.98	-35.12	-78.28	85.8	245.8	21.0	250.3
475.0	462.65	-35.87	-79.87	87.6	245.8	21.0	244.4
480.0	467.31	-36.62	-81.47	89.3	245.8	21.0	261.2
485.0	471.99	-37.35	-83.00	91.0	245.8	21.2	260.4
490.0	476.66	-37.96	-84.62	92.7	245.8	20.7	250.5
495.0	481.33	-38.61	-86.18	94.4	245.9	21.5	257.6
500.0	486.00	-39.39	-87.78	96.2	245.8	20.9	243.6
505.0	490.67	-40.20	-89.30	97.9	245.8	20.9	225.9
510.0	495.33	-40.99	-90.91	99.7	245.7	22.8	248.8
515.0	499.99	-41.77	-92.53	101.5	245.7	21.4	240.6
520.0	504.64	-42.49	-94.11	103.3	245.7	21.5	252.7
525.0	509.29	-43.15	-95.80	105.1	245.7	21.1	229.7

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING COAL LTD HOLE ID. : RH-2422
 FIELD OFFICE : CALGARY DATE OF LOG : 10/17/93
 DATA FROM ICE : PROBE : 9055A 82
 MAG. DEPTH : 21.000 DEPTH UNITS : METER LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
530.0	513.92	-43.83	-97.50	106.9	245.8	22.5	255.8
535.0	518.54	-44.46	-99.29	108.8	245.9	22.3	253.1
540.0	523.16	-45.00	-101.13	110.7	246.0	23.4	253.1
545.0	527.75	-45.49	-103.01	112.6	246.2	23.5	241.9
550.0	532.32	-45.97	-104.96	114.6	246.3	24.1	263.4
555.0	536.87	-46.41	-106.98	116.6	246.5	24.9	261.1
560.0	541.39	-46.76	-109.05	118.6	246.8	25.9	254.9
565.0	545.90	-46.96	-111.19	120.7	247.1	25.3	255.8
570.0	550.40	-47.09	-113.35	122.7	247.4	26.3	268.0
575.0	554.88	-47.13	-115.55	124.8	247.8	26.2	263.1
580.0	559.33	-47.16	-117.81	126.9	248.2	26.9	269.3
580.9	560.12	-47.16	-118.18	127.2	248.2	0.0	0.0

90.0
 95.0
 100.0
 105.0
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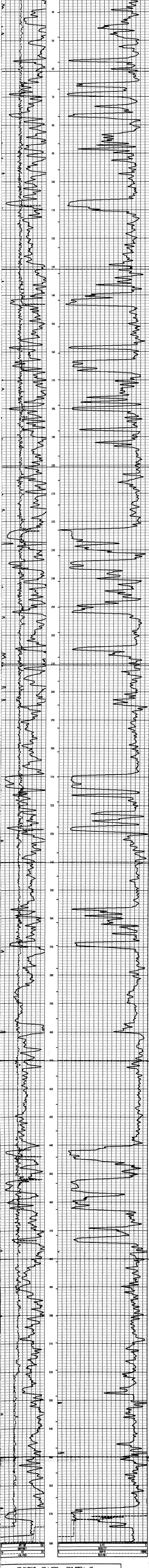


Century

GAMMA-RES-DENSITY

COMPANY : FORDING COAL LTD	OTHER SERVICES: 9067	
WELL : RH-2422	9055	
LOCATION/FIELD : FORDING RIVER MINE	9030	
COUNTY :		
STATE : B.C.		
SECTION :	TOWNSHIP : RANGE :	
DATE : 10/17/93	PERMANENT DATUM : GL	ELEVATIONS
DEPTH DRILLER : 582	ELEV. PERM. DATUM: KB :	
LOG BOTTOM : 580.40	LOG MEASURED FROM: GL	DF :
LOG TOP : 0.26	DRL MEASURED FROM: GL	GL :
CASING DRILLER : 3	LOGGING UNIT : 8902	
CASING TYPE : STEEL	FIELD OFFICE : CALGARY	
CASING THICKNESS: 125	RECORDED BY : T. LEWICKYJ	
BIT SIZE : 12.7	BOREHOLE FLUID : WATER	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM : 0	TYPE : 9030AA
MATRIX DENSITY : 2.68	RM TEMPERATURE : 0	LOG : 2
FLUID DENSITY : 1.0	MATRIX DELTA T : 173	PLOT : TESTHOLE 1
NEUTRON MATRIX : SANDSTONE	FLUID DELTA T : 690	THRESH: 10000
REMARKS :		
OPEN HOLE		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION TOOL = 9030AA SERIAL NUMBER = 440

CAL-DATE	CAL-TIME	SRC	SENSOR	RESPONSE	STANDARD	
0	09/08/93	13:22:11	0	GAMMAT	0.000 CPS	0.000 API-GR
1	09/08/93	13:22:11	0	GAMMAT	0.000 CPS	0.000 API-GR
2	09/08/93	14:17:57	0	DENSITY	5218.700 CPS	1.106 G/CC
3	09/08/93	14:35:32	0	DENSITY	2079.600 CPS	2.120 G/CC
4	09/08/93	14:11:56	0	RES(NG)	74.400 CPS	0.000 OHM-M
5	09/08/93	14:27:23	0	RES(NG)	66941.500 CPS	0.000 OHM-M
6	09/08/93	13:49:50	0	CALIPER	299.100 CPS	7.600 CM
7	09/08/93	13:49:50	0	CALIPER	1872.500 CPS	17.000 CM
8	09/08/93	13:22:11	0	DENSITY	0.000 CPS	0.000 G/CC
9	09/08/93	13:22:11	0	DENSITY	0.000 CPS	0.000 G/CC
10	09/08/93	13:22:11	0	CALIPER	0.000 CPS	0.000 CM
11	09/08/93	13:22:11	0	CALIPER	0.000 CPS	0.000 CM



2423

***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING RIVER COAL HOLE ID. : RH-2423
 FIELD OFFICE : CALGARY DATE OF LOG : 10/30/93
 DATA FROM : PROBE : 9055A 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
15.0	15.00	0.02	0.00	0.0	10.2	0.1	188.3
20.0	20.00	-.01	0.00	0.0	173.5	0.5	203.4
25.0	25.00	-.04	-.00	0.0	181.3	0.3	171.9
30.0	30.00	-.07	-.01	0.1	186.3	0.3	213.9
35.0	35.00	-.12	-.05	0.1	202.3	0.9	214.8
40.0	40.00	-.17	-.12	0.2	214.2	0.9	225.2
45.0	45.00	-.23	-.18	0.3	218.5	1.1	231.4
50.0	50.00	-.30	-.26	0.4	220.9	1.1	218.4
55.0	55.00	-.38	-.31	0.5	219.1	1.2	199.0
60.0	59.99	-.48	-.32	0.6	213.7	1.4	183.7
65.0	64.99	-.61	-.34	0.7	209.1	1.6	180.3
70.0	69.99	-.76	-.35	0.8	204.9	1.8	180.4
75.0	74.99	-.91	-.36	1.0	201.6	1.9	184.6
80.0	79.98	-1.05	-.40	1.1	200.9	1.6	200.8
85.0	84.98	-1.19	-.48	1.3	201.9	2.0	208.8
90.0	89.98	-1.34	-.57	1.4	203.0	2.3	215.4
95.0	94.98	-1.49	-.66	1.6	203.8	2.2	216.2
100.0	99.97	-1.66	-.76	1.8	204.5	2.1	208.7
105.0	104.97	-1.84	-.87	2.0	205.3	2.5	208.2
110.0	109.96	-2.01	-.99	2.2	206.2	2.5	221.5
115.0	114.96	-2.21	-1.12	2.5	206.9	2.5	213.6
120.0	119.95	-2.38	-1.24	2.7	207.5	2.4	216.4
125.0	124.95	-2.56	-1.36	2.9	208.0	2.6	215.0
130.0	129.94	-2.74	-1.48	3.1	208.4	2.3	212.5
135.0	134.94	-2.91	-1.62	3.3	209.1	2.7	221.0
140.0	139.93	-3.10	-1.79	3.6	209.9	3.0	217.7
145.0	144.92	-3.30	-1.96	3.8	210.7	3.0	218.2
150.0	149.92	-3.50	-2.15	4.1	211.6	3.3	206.7
155.0	154.91	-3.69	-2.35	4.4	212.5	3.2	233.7
160.0	159.90	-3.88	-2.55	4.6	213.4	2.8	223.5
165.0	164.89	-4.06	-2.76	4.9	214.2	3.5	232.2
170.0	169.88	-4.27	-2.99	5.2	215.0	3.2	229.1
175.0	174.87	-4.49	-3.26	5.5	215.9	4.3	236.5
180.0	179.86	-4.71	-3.51	5.9	216.7	3.4	244.2
185.0	184.85	-4.92	-3.76	6.2	217.4	3.6	232.0
190.0	189.84	-5.14	-4.02	6.5	218.0	3.9	234.6
195.0	194.82	-5.42	-4.22	6.9	217.9	4.0	199.0
200.0	199.81	-5.73	-4.46	7.3	217.9	4.6	216.8
205.0	204.79	-6.06	-4.70	7.7	217.8	4.8	223.8
210.0	209.77	-6.40	-4.94	8.1	217.7	5.0	209.9
215.0	214.75	-6.76	-5.22	8.5	217.7	5.7	244.3
220.0	219.73	-7.09	-5.58	9.0	218.2	5.4	227.2
225.0	224.71	-7.41	-5.91	9.5	218.5	5.6	218.0
230.0	229.68	-7.73	-6.23	9.9	218.9	5.3	234.5
235.0	234.66	-8.05	-6.55	10.4	219.1	5.7	211.9
240.0	239.64	-8.36	-6.89	10.8	219.5	5.2	230.3
245.0	244.62	-8.67	-7.24	11.3	219.9	5.3	234.8
250.0	249.60	-8.94	-7.61	11.7	220.4	5.2	230.1
255.0	254.58	-9.18	-7.96	12.2	220.9	5.1	245.9
260.0	259.56	-9.43	-8.30	12.6	221.4	4.9	235.6
265.0	264.54	-9.67	-8.67	13.0	221.9	4.7	227.7
270.0	269.52	-9.94	-9.00	13.4	222.2	5.9	210.0

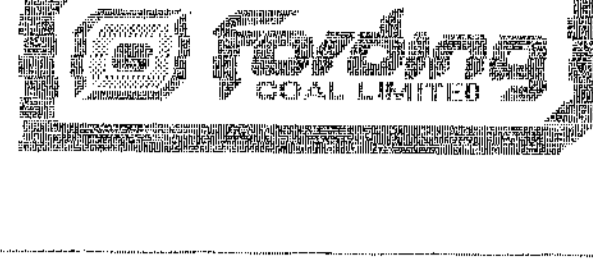
***** COMPU-LOG II - VERTICAL DEVIATION *****

CLIENT : FORDING RIVER COAL HOLE ID. : RH-2423
 FIELD OFFICE : CALGARY DATE OF LOG : 10/30/93
 DATA FROM : PROBE : 9055A , 82
 MAG. DECL. : 21.000 DEPTH UNITS : METER LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANBB
275.0	274.50	-10.22	-9.41	13.9	222.6	5.5	240.8
280.0	279.47	-10.51	-9.86	14.4	223.2	6.0	238.1
285.0	284.44	-10.79	-10.27	14.9	223.6	6.0	241.5
290.0	289.42	-11.07	-10.70	15.4	224.0	5.8	233.9
295.0	294.39	-11.35	-11.11	15.9	224.4	5.4	225.7
300.0	299.36	-11.64	-11.54	16.4	224.8	6.1	243.1
305.0	304.33	-11.93	-12.01	16.9	225.2	6.3	236.6
310.0	309.30	-12.24	-12.47	17.5	225.5	6.5	228.5
315.0	314.27	-12.58	-12.92	18.0	225.8	6.3	225.4
320.0	319.23	-12.95	-13.33	18.6	225.8	6.2	223.6
325.0	324.20	-13.33	-13.75	19.1	225.9	6.7	222.8
330.0	329.17	-13.74	-14.15	19.7	225.8	7.1	219.1
335.0	334.13	-14.10	-14.62	20.3	226.0	6.4	235.1
340.0	339.09	-14.45	-15.09	20.9	226.2	6.6	238.3
345.0	344.06	-14.75	-15.60	21.5	226.6	6.7	227.7
350.0	349.02	-15.07	-16.09	22.0	226.9	7.0	240.7
355.0	353.99	-15.33	-16.58	22.6	227.2	6.0	255.2
360.0	358.95	-15.65	-17.09	23.2	227.5	7.2	239.6
365.0	363.91	-15.97	-17.61	23.8	227.8	6.9	241.3
370.0	368.87	-16.30	-18.10	24.4	228.0	7.0	229.0
375.0	373.84	-16.63	-18.58	24.9	228.2	6.7	234.2
380.0	378.81	-16.95	-19.04	25.5	228.3	6.5	230.7
385.0	383.77	-17.25	-19.52	26.1	228.5	6.5	227.8
390.0	388.74	-17.58	-19.97	26.6	228.7	6.6	226.3
395.0	393.71	-17.89	-20.44	27.2	228.8	6.3	237.3
400.0	398.67	-18.20	-20.93	27.7	229.0	6.9	230.4
405.0	403.64	-18.52	-21.40	28.3	229.1	6.3	225.0
410.0	408.61	-18.87	-21.85	28.9	229.2	6.6	232.4
415.0	413.57	-19.23	-22.33	29.5	229.3	7.2	239.9
420.0	418.53	-19.57	-22.85	30.1	229.4	7.7	240.2
425.0	423.49	-19.88	-23.41	30.7	229.7	7.7	240.8
430.0	428.44	-20.20	-24.00	31.4	229.9	7.3	244.8
435.0	433.39	-20.50	-24.62	32.0	230.2	8.9	244.3
440.0	438.33	-20.80	-25.36	32.8	230.6	9.1	247.4
445.0	443.26	-21.09	-26.09	33.5	231.1	8.6	229.7
450.0	448.20	-21.38	-26.83	34.3	231.5	9.1	252.1
455.0	453.14	-21.62	-27.56	35.0	231.9	8.9	256.2
460.0	458.08	-21.87	-28.26	35.7	232.3	8.5	259.8
465.0	463.03	-22.09	-28.94	36.4	232.6	8.1	253.7
470.0	467.98	-22.32	-29.59	37.1	233.0	7.9	244.7
475.0	472.94	-22.53	-30.21	37.7	233.3	7.1	240.6
480.0	477.90	-22.73	-30.77	38.3	233.5	7.3	262.0
485.0	482.86	-22.91	-31.35	38.8	233.8	6.8	256.7
490.0	487.83	-23.08	-31.90	39.4	234.1	7.1	252.5
491.2	489.06	-23.12	-32.05	39.5	234.2	0.0	0.0



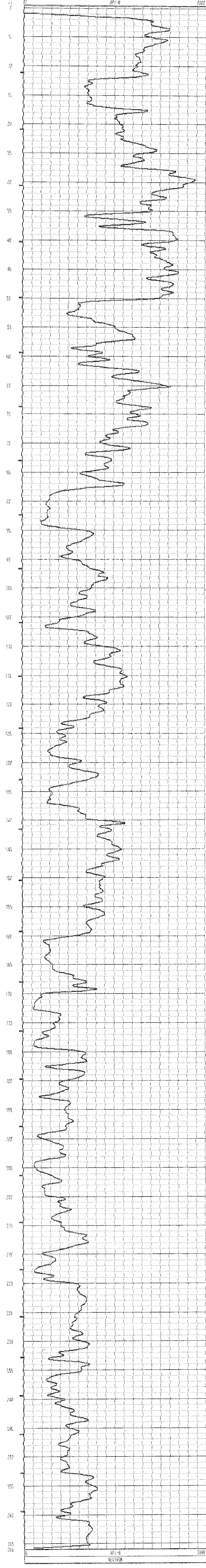
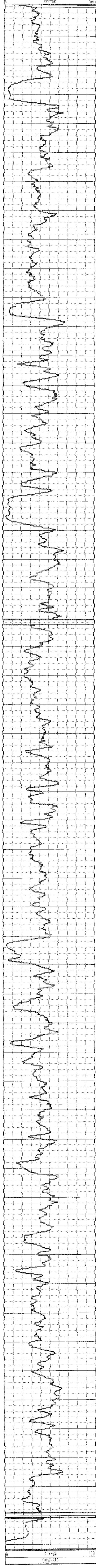
RH #2424



GAMMA-NEUTRON

COMPANY : Fording Coal	OTHER SERVICES : RH2424	
WELL : R.H.2424	C/N	
LOCATION/FIELD : Green Hills	Grn. Hill	
COUNTY : B.C.		
STATE : East Kootenay		
SECTION : TOWNSHIP	RANGE :	
DATE : 10/01/93	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 2866	ELEV. PERY. DATUM :	KB :
LOG BOTTOM : 255.89	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -0.16	DLR MEASURED FROM:	CL :
CASING DRILLER : 15	LOGGING UNIT : 379	
CASING TYPE : Steel	FIELD OFFICE : Fording Rev.	
CASING THICKNESS : .125	RECORDED BY : Sandy	
BIT SIZE :	BAREHOLE FLUID : H2O	FILE : ORIGINAL
MAGNETIC DECL. : 21	KM :	TYPE : 9855A
MATRIX DENSITY : 2.65	KA TEMPERATURE :	LOG : B
FLUID DENSITY : 1.0	MATRIX DELTA T : 573	PLST : 9855A 0
NEUTRON MATRIX :	FLUID DELTA T : 698	THRESH :
REMARKS : Through Steel Log		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

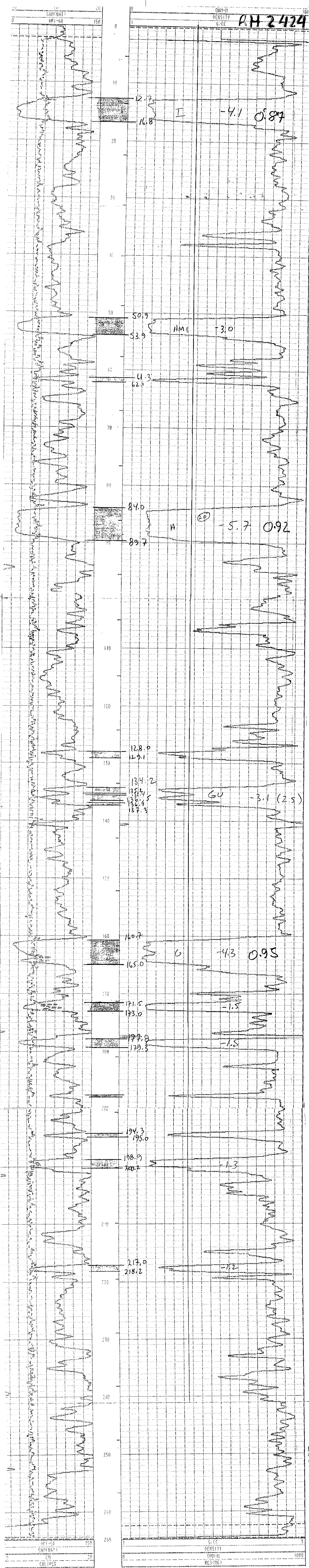


2424

CLIENT : Fording Coal
 FIELD OFFICE : Fording Rvr.
 DATA FROM :
 MAG. DECL. : 21.000

HOLE ID. : R.H.2424
 DATE OF LOG : 10/01/93
 PROBE : 9055A 7
 DEPTH UNITS : METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.0	10.00	-0.01	0.04	0.0	97.6	0.7	86.2
20.0	20.00	0.01	0.23	0.2	87.5	1.1	83.8
30.0	30.00	0.03	0.36	0.4	85.3	0.5	89.4
40.0	40.00	0.01	0.43	0.4	88.6	0.8	122.2
50.0	50.00	-0.05	0.51	0.5	95.6	0.5	127.2
60.0	60.00	-0.15	0.57	0.6	104.4	1.0	160.2
70.0	69.99	-0.34	0.56	0.7	121.0	1.5	202.9
80.0	79.99	-0.66	0.39	0.8	149.4	2.4	213.9
90.0	89.97	-1.08	0.16	1.1	171.7	2.9	207.0
100.0	99.96	-1.53	-0.11	1.5	184.1	3.0	217.9
110.0	109.95	-1.93	-0.49	2.0	194.3	3.6	223.1
120.0	119.92	-2.39	-0.95	2.6	201.7	4.2	224.5
130.0	129.89	-2.91	-1.52	3.3	207.5	4.9	226.7
140.0	139.85	-3.52	-2.20	4.2	211.9	5.4	222.4
150.0	149.80	-4.18	-3.01	5.2	215.8	6.9	231.7
160.0	159.71	-4.96	-4.07	6.4	219.4	8.1	234.7
170.0	169.61	-5.76	-5.24	7.8	222.3	8.3	234.6
180.0	179.50	-6.58	-6.49	9.2	224.6	8.6	237.7
190.0	189.37	-7.40	-7.86	10.8	226.7	9.9	237.9
200.0	199.20	-8.31	-9.44	12.6	228.6	11.1	241.8
210.0	209.00	-9.28	-11.20	14.5	230.3	11.8	242.4
220.0	218.76	-10.25	-13.10	16.6	231.9	12.9	246.2
230.0	228.51	-11.26	-15.09	18.8	233.3	13.4	243.6
240.0	238.23	-12.31	-17.19	21.1	234.4	13.7	245.1
250.0	247.94	-13.37	-19.34	23.5	235.4	14.3	244.4
260.0	257.62	-14.44	-21.59	26.0	236.2	14.6	245.2
265.2	262.47	-14.96	-22.69	27.2	236.6	0.0	0.0



RH 2424

TOOL CALIBRATION TOOL = 903049 SERIAL NUMBER = 440

CAL-DATE	CAL-TIME	SSCE	SENSOR	RESPONSE	STANDARD
09-09-93	13:22:11	0	GAMNAT	0.000 CPS	0.000 API-GR
09-09-93	13:22:11	0	GAMNAT	0.000 CPS	0.000 API-GR
09-09-93	14:17:57	0	DENSITY	5210.700 CPS	1.106 G/CC
09-09-93	14:27:47	0	DENSITY	2970.400 CPS	2.120 G/CC