

#817

FORDING RIVER OPERATIONS

SUMMARY REPORT

1991 EXPLORATION PROGRAM

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Statement of Author's Academic and Professional Qualifications

The author of this report, K.A. Komenac, in 1973 received the degree of Bachelor of Science (Geology Major) from the University of British Columbia, and is registered as a Professional Engineer with the Association of Professional Engineers and Geoscientists of the Province of British Columbia. The author has been an employee of Fording Coal Limited at the Fording River Operation since November of 1973, as Assistant Pit Geologist, Exploration Geologist, Senior Exploration Geologist and, since 1989, Senior Geologist.

SCHEDULE C

PROVINCE OF
BRITISH COLUMBIA

MINISTRY OF
ENERGY, MINES AND
PETROLEUM RESOURCES

TITLE PAGE OF
ASSESSMENT REPORT

GENERAL NATURE OF WORK

TOTAL COST

Exploration \$460,000.

Author of Landsman _____ Signature(s) 

K.A. Komenac (P. Eng.)

Date report filed 22-8-92 Year of work 1991

Property Name Fording River Operations

Coal type (if applicable) Medium to High Volatile Bituminous

Mining Division Fort Steele NTS 82J2W

Latitude 50° 10' Longitude 114° 52'

Coal Licence Numbers; Coal Leases; Freehold B.C. Coal-Leases 1, 2;

Coal Licences 330, 331, 332, 336, 337, 355, 356, and 357.

Owner(s)

(1) FORDING COAL LIMITED

Box 100, Elkford, B.C. V0B 1H0

Operator(s)

(1) Same

References to Previous Work

Annual Assessment Reports since 1970.

FORDING RIVER OPERATIONS

SUMMARY REPORT

1991 EXPLORATION PROGRAM

I. INTRODUCTION

1. General Geography and History

The Fording River Coal property is located in the Fording River and Upper Elk Valleys, approximately twenty-five (25) kilometres north of Elkford, B.C. Access is by paved road north from Elkford along the Fording River Valley, or north along the Elk River Valley via the Forestry Service gravel road or the Kan-Elk Powerline road.

The Fording River minesite is situated within the front range of the southern Canadian Rocky Mountains. At least ten (10) major coal seams, generally greater than four (4) metres thick, are contained in the Mist Mountain Formation of the Kootenay Group.

The Elk River portion of the property was actively explored by the Canadian Pacific Railway Company in the period 1902 - 1908. Until 1947, the property was comprised of 10,276 hectares in forty (40) Crown Granted Lots. In that year, the holdings were reduced to 2,979 hectares in fifteen (15) Crown Granted Lots. In 1967 and 1968, Canadian Pacific Oil and Gas re-acquired part of the coal lands which had been abandoned in 1947. At the present time, the Fording Coal Property consists and 15,502 hectares, held on four (4) Coal leases and fifty-four (54) Coal Licences.

Introduction/General Geography and History (Con't)

Mining operations which commenced in 1972, have produced more than 66.1 million tonnes of clean metallurgical and thermal coal for markets in North and South America, Europe and Asia. Of this total, 6.0 million tonnes were produced in 1991.

Reference:

- i) Illustration No. 1a: Index Map - Coal Properties

2. Geology

i) Stratigraphy

The general stratigraphic succession on the Fording River Property is summarized in the following table:

PERIOD	LITHO-STRATIGRAPHIC UNITS		PRINCIPAL ROCK TYPES
Recent			Colluvium
Quaternary			Clay, silt, sand, gravel, cobbles
Lower Cretaceous	Blairmore Group		Massive bedded sandstones and conglomerates
Lower Cretaceous to Upper Jurassic	KOOTENAY GROUP	Elk Formation	Sandstone, siltstone, shale, mudstone, chert pebble conglomerate, minor coal
		Mist Mountain Formation	Sandstone, siltstone, shale, mudstone, thick coal seams
		Moose Mountain Member	Medium to coarse grained quartz-chert sandstone
		Weary Ridge Member	Fine to coarse grained, slightly ferruginous quartz-chert sandstone
Jurassic	Ferne Formation		Shale, siltstone, fine-grained sandstone
Triassic	Spray River Formation		Sandy shale, shaley quartzite
	Rocky Mountain Formation		
Mississippian	Rundle Group		Limestone

The oldest rocks present on the Fording River property are the Rundle Group limestones, located on the west bank of the Fording River, near the southern property boundary. They are in faulted contact with the Kootenay Group to the west, and unconformable contact with Rocky Mountain Formation quartzites to the north. The latter are best exposed on the eastern slope of the Brownie Creek Valley.

Geology/Stratigraphy (Con't)

The Fernie Formation shales occur throughout the area, generally along the sides of valleys on the lower flanks of the mountains. The shales are recessive and, therefore, poorly exposed. The Fernie Formation is in conformable contact with the Morrissey, through the "Passage Beds", which are a transitional zone from marine to non-marine sedimentation.

The Morrissey Formation, which is the "basal sandstone" of the Kootenay Group, is a prominent cliff-forming marker horizon in many locations. On the Fording River Property, the top of the Moose Mountain member (Morrissey Formation) is in sharp contrast with #1 or A seam, the lowermost bed of the Mist Mountain Formation.

The Mist Mountain Formation contains all of the economic coal seams, and is the most widely occurring formation on Fording River Property. This economically important formation is an interbedded sequence of sandstones, siltstones, silty shales, mudstones, and medium to high volatile bituminous coal seams. The volatile content of the coal increases up section, with decreasing rank. Lenticular sandstones comprise about 1/3 of the Mist Mountain sediments at Fording River, but very few laterally extensive sandstone beds exist.

The sandstone above and below seam #4 (B) and above #9 (F), are the most persistent units, and are often cliff-forming marker horizons.

Geology/Stratigraphy (Con't)

The Mist Mountain Formation is generally overlain conformably by strata of the Elk Formation. On the Fording property, this formation is commonly a succession of sandstones, siltstones, shales, mudstones, chert pebble conglomerates and sporadic, thin, high volatile bituminous coal seams. The coal seams are characterized by a high alginate content and referred to as "Needle" coal. The Elk Formation is observed near the tops of the mountains, mainly on the east side of the Elk Valley on the Greenhills Range, and northward to the Mount Tuxford area.

The top of the Elk Formation marks the upper boundary of the Kootenay Group, which is unconformably overlain by the basal member of the Blaimore Group. This thick bedded, cliff forming sandstone and conglomerate unit is observed on the upper slopes of Mount Tuxford.

ii) Structure

Subsequent to deposition, the sediments were involved in the mountain building movements of the late Cretaceous to early Tertiary Laramide orogeny. The major structural features of the Fording River property are the north-south trending synclines with near horizontal to steep westerly dipping thrust faults, and a few high angle normal faults. Some of the thrust faults probably were folded late in the tectonic cycle.

Geology/Structure (Con't)

The formation of the major fold structures began early in the tectonic cycle. In the current mining area, two (2) asymmetric synclines are evident; the Greenhills Syncline to the west, and the Alexander Creek Syncline to the east of the Fording River.

The thrust faulting (i.e. the Ewin Pass and Brownie Ridge Thrusts), was probably contemporaneous with the later stages of folding. The intervening anticline was subsequently faulted (Ericson Fault), then eroded.

The Alexander Creek Syncline can be traced from the southern property boundary on Castle Mountain to the northern end of the property on Weary Ridge. The strata of the west limb, on the west face of Eagle Mountain, dips easterly at 20 to 25°, decreasing gradually to zero (0) as the axis is approached. The east limb, however, attains a 20° westerly dip within a much shorter (500m) distance of the axis. This asymmetry is possibly due, at least in part, to the influence of the Ewin Pass Thrust which subcrops 600 to 800 metres east of the synclinal axis.

Further to the east, on Brownie Ridge, the strata dips westerly at a mean dip of 42°. The Brownie Ridge Thrust, which subcrops near the crest of the ridge, probably contributes to this steepening.

Geology/Structure (Con't)

Within the mining areas, the axis of the Alexander Creek Syncline plunges to the north at an average of 4° . Turnbull Mountain exhibits a localized series of en echelon fold structures, plunging both to the north and south. These subsidiary folds may be related to thrust faulting. From the south end of Mount Tuxford, the synclinal axis continues north-northwest along the base of Mount Veits and into the Elk River Valley near Aldridge Creek.

On Mount Tuxford, the beds exposed are those of the Elk Formation and the overlying (non-coal bearing) Cadomin Formation. The area has not been extensively explored. The stratigraphic sequence of the east limb, in the more extensively explored Mist Mountain strata near Aldridge Creek (Elco property), closely resembles the east limb strata found on Henretta Mountain, ten (10) kilometres to the south.

On the northwest corner of Eagle Mountain, the lower Kootenay-upper Fernie section is the locus for a zone of near horizontal thrust faulting. The effect is to cause a double repetition of the lower coal seams and basal sandstone on the west synclinal limb. This fault zone is synclinal in form, and continuous with the Ewin Pass Thrust zone found on the east limb.

The Greenhills Syncline in the mining area, is essentially a "mirror-image" of the Alexander Creek structure. The east limb of the asymmetric syncline dips westerly at 15 to 25°, except in areas near the Ericson Fault, where 45 to 55° dips are common. The west limb exhibits much steeper dips; commonly in the 35 to 45° range. The Greenhills Syncline plunges northward (340 to 350°), at less than 5°, then apparently dies out to the north in the area of the Osborne Creek Depression.

The Ericson Fault, which locally runs along the base of the Greenhills Range west of the Fording River, is one of the major regional faults. From south to north, this westerly dipping (40 to 70°) normal fault, brings Mist Mountain strata progressively into contact with Rundle, Rock Mountain, Spray River, Fernie, and Morrissey strata. The downthrown block is to the west.

Near the south end of Lake Mountain, the Ericson Fault begins to "splay" into two (2) zones. The main fault runs along the eastern margin of Lake Mountain, and the subsidiary fault runs to the west, and appears to "die out" northward. The steep northward dip exhibited in the Lake Mountain strata could be due to influence from these flanking "splays" of the fault. The flat lying region to the north of Lake Mountain (Osborne Creek Depression area) is completely void of outcrop, and the Ericson Fault has not been traced either through or to the north of this area.

Reference:

- i) Illustration No. 1b: General Geology Map

3. Summary of Work Done in 1991

Seventy-two (72) reverse circulation rotary holes were drilled, for a total of 11,522 metres.

Drilling was done by S.D.S. Drilling using Drill Systems AV-1000 and Gardner-Denver 1700 drilling rigs. All holes were geophysically logged through the rods using the gamma-neutron method. Holes that remained open after the rods were pulled, were logged for hole deviation, and selected holes were logged for density.

Coal seams encountered by rotary drilling were sampled in 0.5m intervals. Representative composite samples for each coal seam encountered in the hole were prepared at Fording's Process Plant Laboratory. Each seam composite was tested for proximate analysis, % Sulphur, and Free Swelling Index. Samples from selected seam composites were sent to David E. Pearson and Associates for petrographic analysis.

Road and drillsite construction was done by Elkford Industries Ltd. and Fording Coal Limited. Staff surveyors provided the required survey control and drillhole pickups.

Summary of Work Done (Con't)

The following table shows the drillhole locations with respect to coal lease and licence boundaries:

<u>Lease/Licence</u>	<u>Drillhole</u>
B.C. Coal Lease #1	RH#2247, 2248, 2249, 2250, 2351, 2352, 2353, 2354, 2355, 2358, 2359
B.C. Coal Lease #2	RH#1997, 1998, 1999, 2305, 2306, 2307, 2308, 2309, 2318, 2320, 2326, 2327, 2328, 2330
Coal Licence #330	RH#2310, 2316, 2317, 2319
Coal Licence #331	RH#2311, 2314, 2321
Coal Licence #332	RH#2312, 2313, 2315, 2296
Coal Licence #336	RH#2289, 2290, 2291, 2292, 2294, 2295, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304
Coal Licence #337	RH#2293
Coal Licence #355	RH#2350
Coal Licence #356	RH#2335, 2336, 2337, 2338, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349
Coal Licence #357	RH#2329, 2330, 2331, 2332, 2333, 2334

Reference:

- i) Illustration No. 2: 1991 Exploration Program

II INDIVIDUAL AREA PROGRAMS

1. Taylor Pit Area

i) Objectives

As a follow-up to the 1990 drilling program in this area, the 1991 drilling was designed to:

- a) precisely locate the intersection of #4 seam with the Ewin Pass Thrust, and
- b) investigate the southward projection of "repeated" seams 7 and 5, below the Ewin Pass Fault.

This information was required to allow the design for the lowermost benches of Taylor Pit to be finalized.

ii) Summary of Work Done

A total of ten (10) reverse circulation rotary drillholes were completed. An eleventh hole, RH#2354, was abandoned at 73.5 metres depth, with the drillrods lost in the hole. Total meterage drilled in 1991 was 1,402.6.

iii) Results and Conclusions

Six (6) of the seven (7) holes designed to intersect #4 seam, encountered normal thicknesses of the seam; indicating that the faulted cut-off had not yet been reached. The seventh hole, RH#2351, intersected the fault at approximately 20 metres above the projected #4 seam hanging wall location.

Southward projection of "repeated" seams 7 and 5 were not encountered in any of the four (4) holes designed to do so, indicating that the faulting that affected these seams to the north, in Clode Pit, has died out to the south.

Results from the 1991 Taylor Pit drilling allowed completion of the final design for the bottom benches of the pit.

References:

- i) Illustration 3a: Taylor Pit Area Program
- ii) Illustration 3b: Geological Cross Section
150,700 N.
- iii) Appendix 1: Drillhole Logs
- iv) Appendix 2: Sample Analyses

2. North Castle Mountain Area Program

i) Objectives

The objective of the 1991 Castle Mountain drilling program was to obtain information required to:

- a) determine the potential for dragline or low ratio truck/shovel mining on the north flank of Castle Mountain, and
- b) determine the amount of additional spoil room that would be released by Castle Mountain mining activity.

ii) Summary of Work Done

Twenty-two (22) rotary drillholes were completed for a total of 4,095.7 metres. A minor amount of geological field mapping was also completed.

iii) Results and Conclusions

Preliminary results show that seam thickness and location are essentially as anticipated; particularly in the western region, above the Ewin Pass Thrust Fault. The extreme western area, however, appears to be more structurally complex than expected, with several minor thrust faults affecting the sequence between #4 seam and the basal sandstone units.

North Castle Mountain Area Program/Results and Conclusions (Con't)

The structural configuration in the area below the Ewin Pass Thrust is similar to previous interpretations, except for the extreme eastern region. There appears to be much more faulting than anticipated, particularly in the axial region of the major syncline. As a result of this faulting, the upper Mist Mountain sequence is located at a much higher elevation than originally projected.

Economic evaluation of the north flank of Castle Mountain will be done during the latter part of 1992, after geological interpretation and the building of a 3D Block Model have been completed.

References:

- i) Illustration 4a: North Castle Mountain Area Program
- ii) Illustration 4b: Geological Cross Section
147,100 N.
- iii) Appendix 1: Drillhole Logs
- iv) Appendix 2: Sample Analyses

3. Eagle Mountain Area Program

i) Objectives

The location of the eastern highwall of Eagle Main Pit may largely be controlled by the location and zone of influence of the Ewin Pass Thrust Fault. Another option for the eastern highwall is to follow the easterly dipping portion of the 11 seam footwall, to the east of the Ewin Pass fault.

The objectives of the Eagle Mountain drilling program were to:

- a) increase the level of confidence in the location and affect of the Ewin Pass Thrust Fault, particularly in the interval located 250 to 300 metres below the present mining bench, and
- b) obtain additional information on dip angle and structural configuration of seam 11 near the axis of the tight syncline located beneath the Ewin Pass Fault.

ii) Summary of Work Done

Six (6) rotary holes were completed for a total of 2,540 metres. Surface exposures of the Ewin Pass Fault on recently mined benches, were mapped and surveyed.

iii) Results and Conclusions

Three (3) holes drilled in the 220 fault block synclinal axis region intersected extremely variable thicknesses of 11 seam. In RH#2326, the southernmost hole, "normal" thickness of 11 seam (8.6m) was intersected at a depth of 267 metres. In the northernmost hole, RH#2328, 11 seam was intersected at a depth of 400 metres. In this hole, the seam has thinned into two bands; each less than 1 metre thick.

In RH#2327, located approximately midway between the aforementioned holes, 11 seam has been thrust faulted at least twice, resulting in a greatly increased section of coal (36.7 metres of coal in the 48.5 metre interval between 392.6 and 441.1 metre depths).

This widely ranging affect of the 220 block syncline on the thickness and character of 11 seam, indicates that a much more detailed study, combined with more drilling, will be required before the structural setting can be accurately determined.

All three (3) holes that were designed to intersect the Ewin Pass Thrust Fault at depth, did so. The exact location of the fault, however, is often difficult to determine.

Eagle Mountain Area Program/Results and Conclusions (Con't)

In RH#1997, the 135.8 metre section between 207.1 and 343.0 is completely void of coal seams, making an exact location for the fault very difficult to determine. The driller, however, reported a "coal-like" material (dark, finely ground material) between 285 and 287.5 metres. This material is likely fault gouge. The fault location was, therefore, determined to be at 285 metres.

In RH#1998, the normal stratigraphic sequence is interrupted between #7 seam in the upper fault block, and seam 11 upper in the lower fault block. Had the normal sequence been maintained, seam 5 upper (upper block), or seam 12 (lower block), would have been intersected at approximately 260 metres. The fault, therefore, must be at this location. For similar reasons, the fault location in RH#1999 is determined to be at 378 metres.

Evaluation of the various options for the location and design of the Eagle Pit highwall awaits the completion of an updated 3D Block Model that will incorporate the results from the 1991 Eagle drillholes.

References:

- i) Illustration No. 5a: Eagle Mountain Area Program
- ii) Illustration No. 5b: Geological Cross Section
151,450 N.
- iii) Appendix 1: Drillhole Logs
- iv) Appendix 2: Sample Analyses

4. Henretta Creek Area Program

i) Objectives

The 1991 Henretta Creek drilling program was designed to:

- a) provide a more accurate delineation of an erosional zone located near the creek bottom, where seam 115 has been eroded out,
- b) provide more accurate definition of seams 115, 110, and 090 subcrops, particularly near the southeast corner of South Pit and the northwest corner of West Pit, and
- c) provide additional information on the structure and stratigraphy beneath the proposed spoil areas.

ii) Summary of Work Done

A total of 3,483.7 metres were completed in thirty-two (32) reverse circulation rotary drillholes. A minor amount of geological field mapping was also completed.

iii) Results and Conclusions

As a result of the 1991 drilling program, the extent of the 115 seam erosional zone has been precisely determined. RH#2301 to 2305 intersected 115 seam, or part of 115 seam, immediately beneath the till layer; thus establishing the exact subcrop location. The eroded out zone appears to be slightly larger than anticipated, but not to an extent that will seriously affect the mine plan.

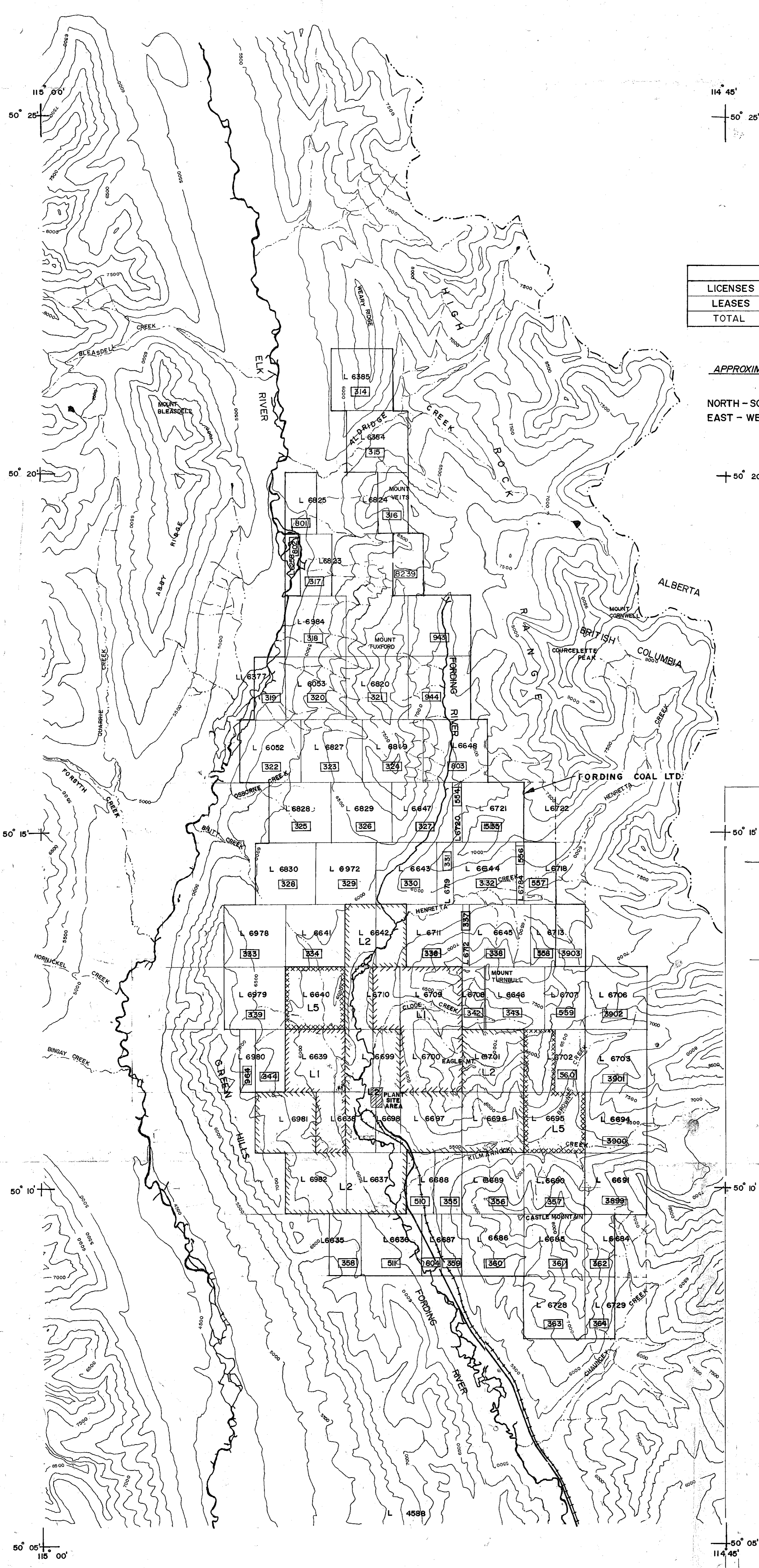
Henretta Creek Area Program/Results and Conclusions (Con't)

Holes drilled near the southeast corner of South Pit, established the subcrop location of seams 115, 110, and 090 to be as previously projected. In the northwest corner of West Pit, however, the seam 115 subcrop swings considerably further to the west than previously projected, allowing a significant increase in coal reserves, and resultant decrease in available spoil room.

With the exception of the northeast portion of the proposed West Spoil (as noted above), the proposed spoil designs will not impact any significant volumes of economic coal reserves. Henretta West Pit and Spoil have been redesigned to recover the additional volumes of 115 seam.

References:

- i) Illustration No. 6a: Henretta Creek Area Program
- ii) Illustration No. 6b: Geological Cross Section
153,900 N.
- iii) Appendix 1: Drillhole Logs
- iv) Appendix 2: Sample Analyses



LAND TENURE

	NO.	AREA - ACRES	AREA - HECTARES
LICENSES	60	28,648	11,601
LEASES	3	9,638	3,903
TOTAL		38,286	15,504

APPROXIMATE MAXIMUM PROPERTY DIMENSIONS

NORTH - SOUTH 15.9 MILES ; 25.5 KILOMETRES
 EAST - WEST 6.9 MILES ; 11.0 KILOMETRES

LEGEND

COAL LEASES (NOS. , OWNERSHIP)

L 2 FORDING COAL LTD.

COAL LICENSES (NOS. , OWNERSHIP)

557 FORDING COAL LTD.

RAILROAD
 EXISTING HIGHWAYS

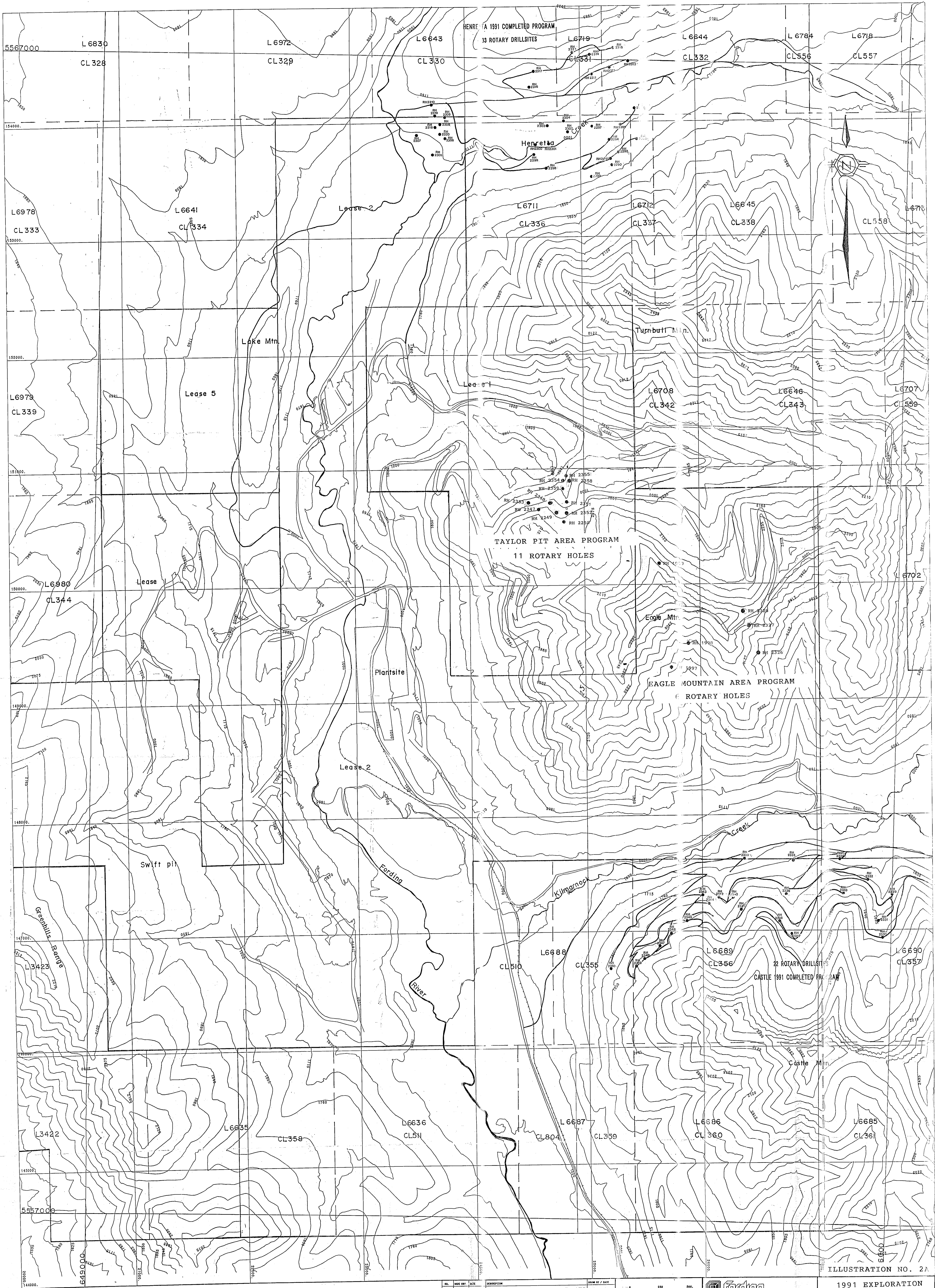
817

FORDING RIVER OPERATIONS ILLUSTRATION 1a

Drawn by: RK	Checked by: RK
R.K. JULY 78	
J.S. JUNE 83	
D.S. JULY 88	

COAL PROPERTIES
FORDING COAL LIMITED

Scale: 1 : 50,000 Date: OCT. 31, 1972



NO.	DATE	DESCRIPTION	DRAWN BY / DATE
1	01/00	1991 EXPLORATION PROGRAM	D. CH/OCT/91

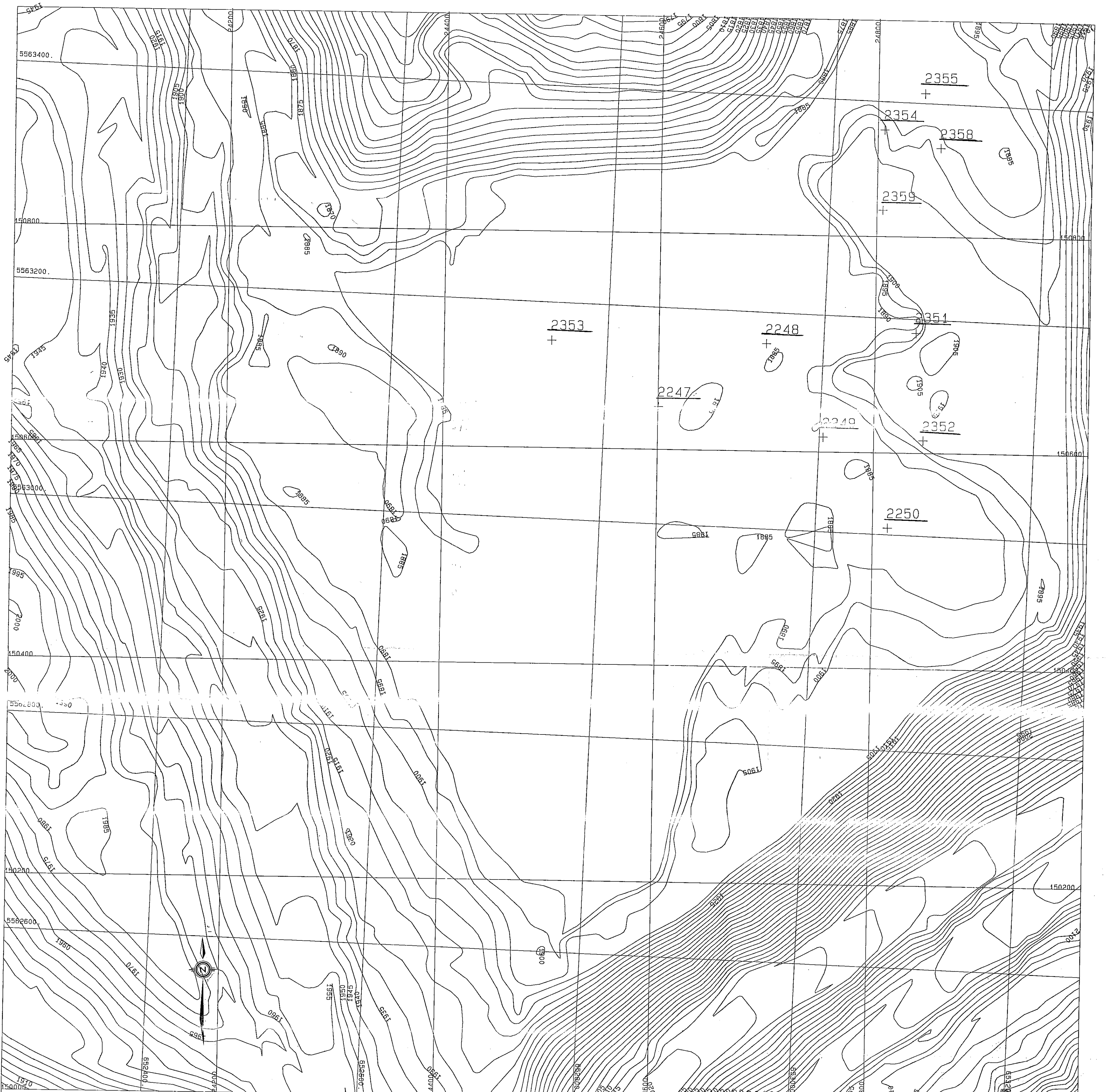
1991 COMPLETED EXPLORATION PROGRAM



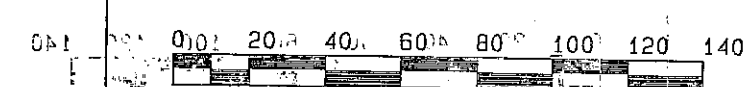
1991 EXPLORATION PROGRAM
 ILLUSTRATION NO. 2A
 SCALE 1:10000
 EXP-9-36

#817

* ILLUSTRATION NO. 3A TAYLOR PIT AREA PROGRAM



MAP SCALE



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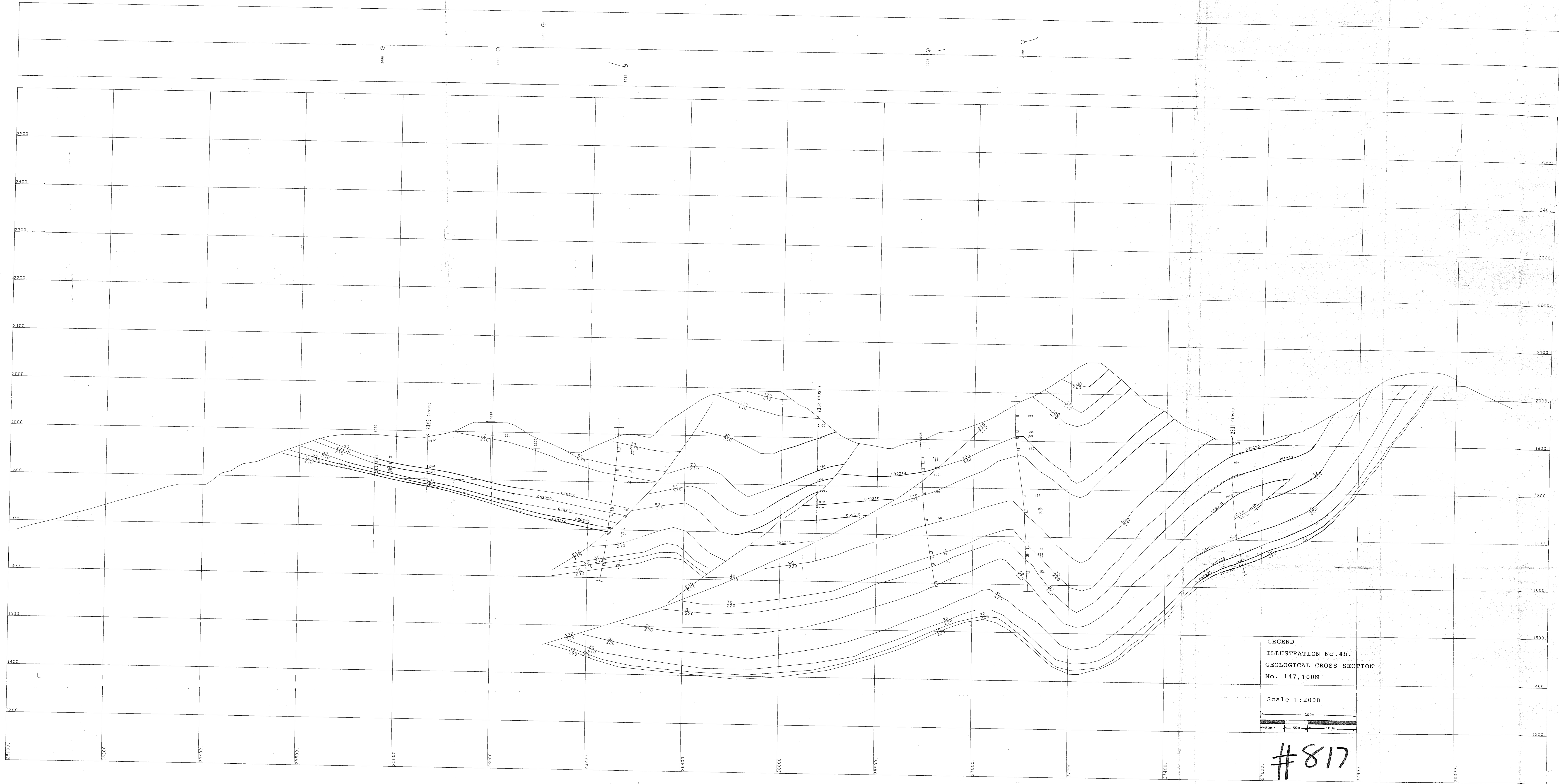
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FORDING COAL LIMITED

ILLUSTRATION NO. 3A #817
TAYLOR PIT AREA PROGRAM

MAP INDEX NUMBER

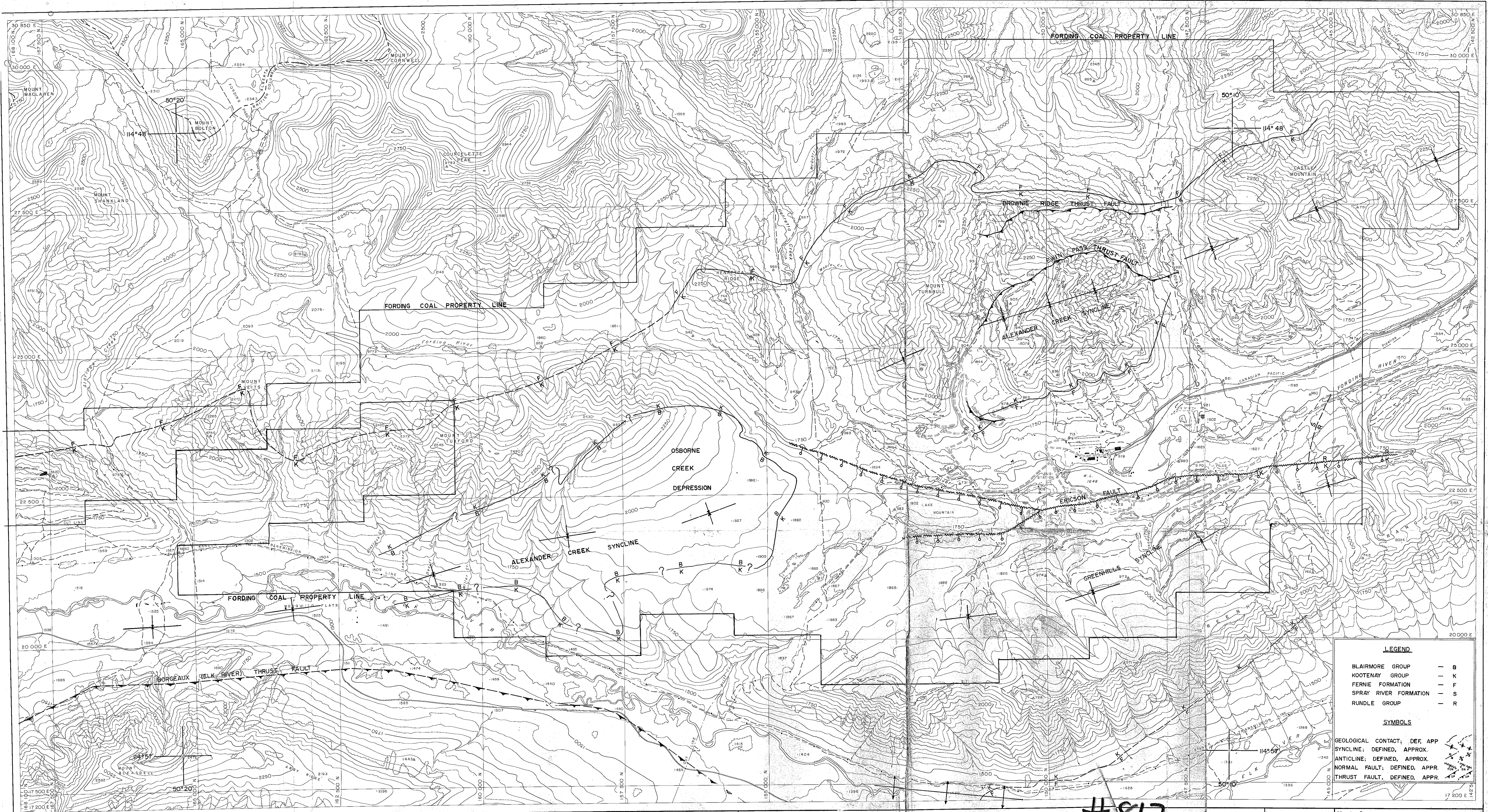
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LEGEND
ILLUSTRATION No. 4b.
GEOLOGICAL CROSS SECTION
No. 147,100N

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#817



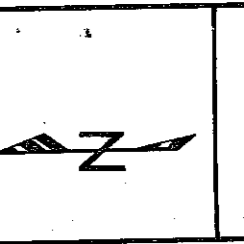
LEGEND

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

SYMBOLS

GEOLOGICAL CONTACT, DEF APP	
SYNCLINE: DEFINED, APPROX.	
ANTICLINE: DEFINED, APPROX.	
NORMAL FAULT: DEFINED, APPR.	
THRUST FAULT, DEFINED, APPR.	

Job No. 06333-7 Date Flown August 1977
 McELHANNEY SURVEYING & ENGINEERING LTD.



Function:
 Activity:
 Section:
 Job:

Revisions	No.	Made by	Date	Description
I	D.J.D.	JULY 88		PROPERTY BOUNDARY

Drawn by: J.S. JUNE
 Checked by:
 Design Eng:
 Proj. Eng: Approved

GEOLOGY MAP - ILLUSTRATION

#817
 1b

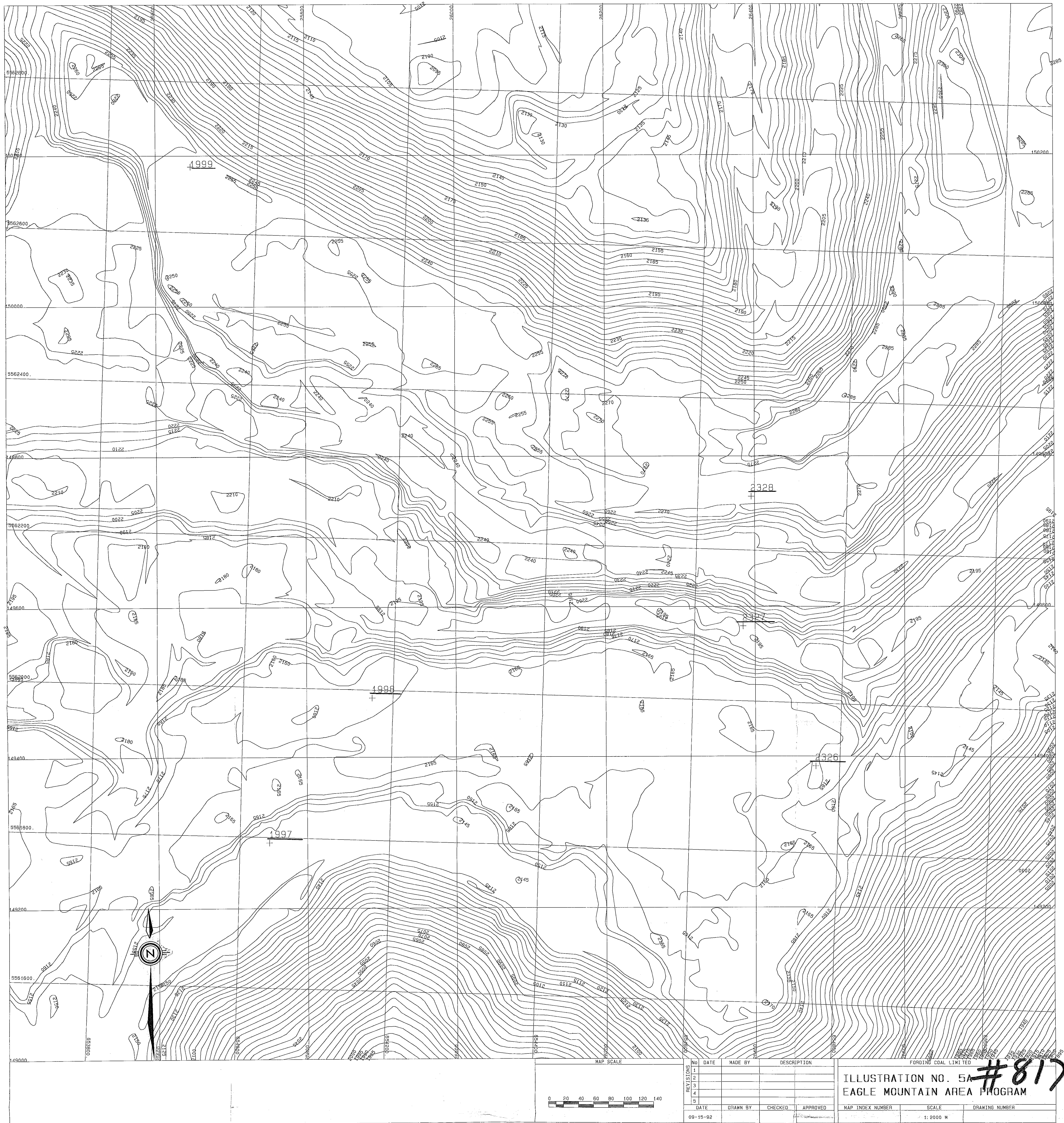


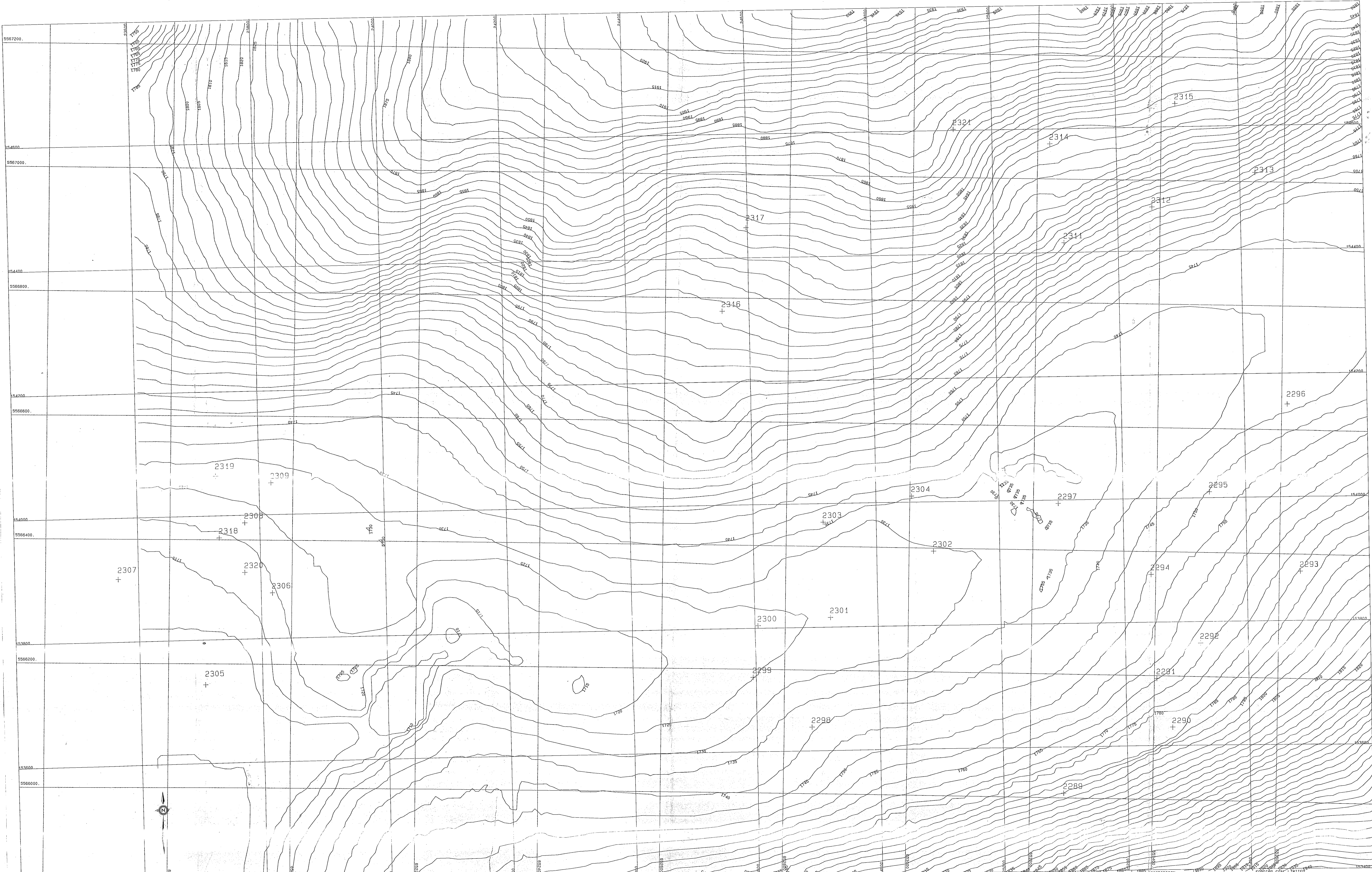
Metric Scale 1:25000

Co-ordinates and Elevations on this Map are in METERS

09-15-92
17:27:45

* ILLUSTRATION NO. 5A EAGLE MOUNTAIN AREA PROGRAM





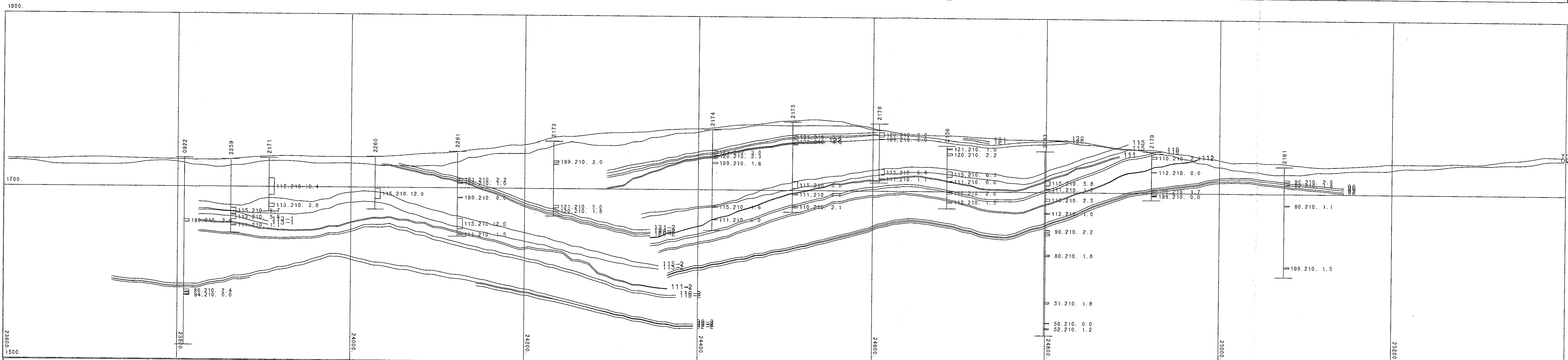
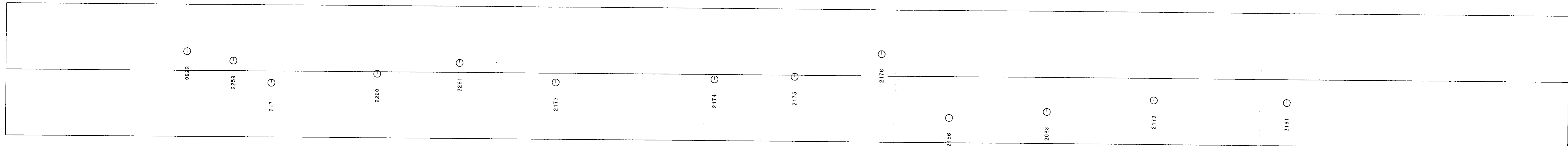
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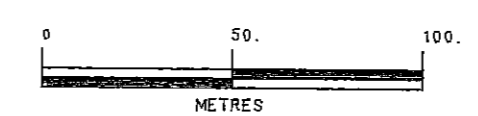
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09-11-92					1:2000 M	

ILLUSTRATION NO. 6A
HENRETTA CREEK AREA PROGRAM

#817



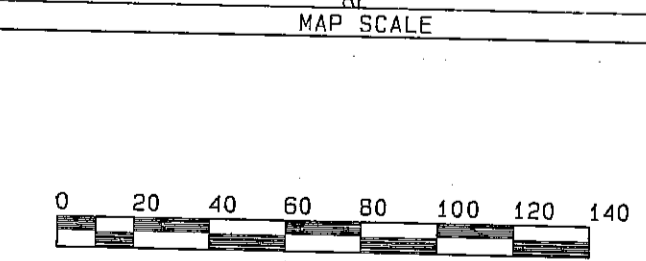
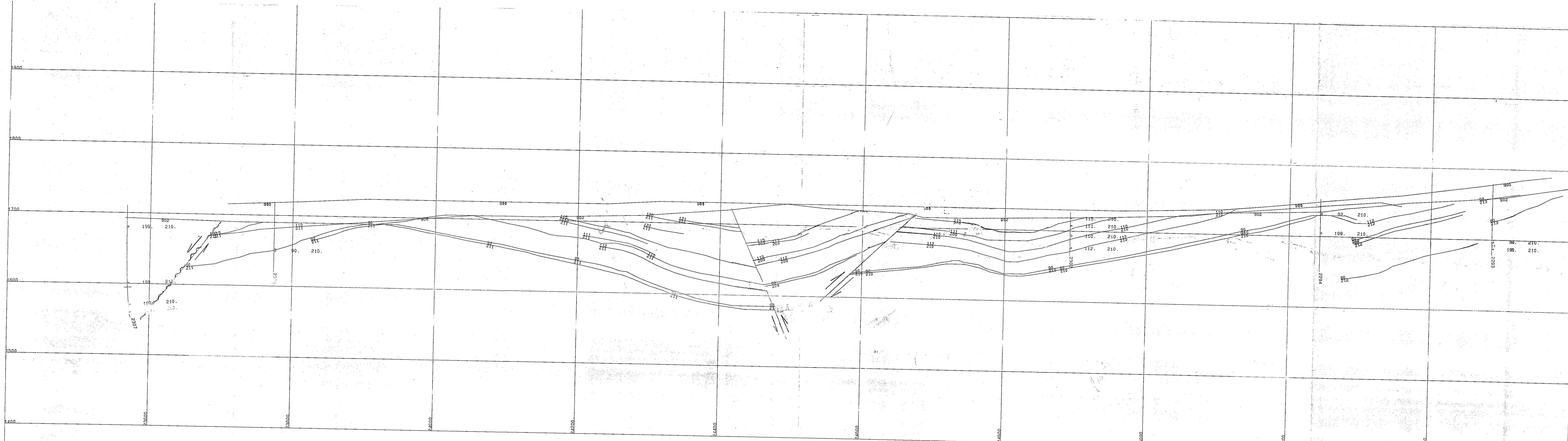
NO.	MADE BY	DATE	DESCRIPTION	DRAWN BY / DATE



FORDING RIVER OPERATIONS

GEOLOGICAL SECTION 154100 N.
ILLUSTRATION 6 C.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:2000	



REVISIONS	No	DATE	MADE BY	DESCRIPTION
1				
2				
3				
4				
5				

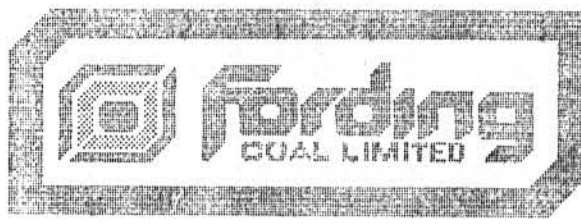
DATE	DRAWN BY	CHECKED	APPROVED
09-11-92			

FORDING COAL LIMITED

**GEOLOGICAL CROSS SECTION
153900 N. ILLUSTRATION NO.6B**

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:2000 M	

#817



28-3

GAMMA-RES-DENSITY

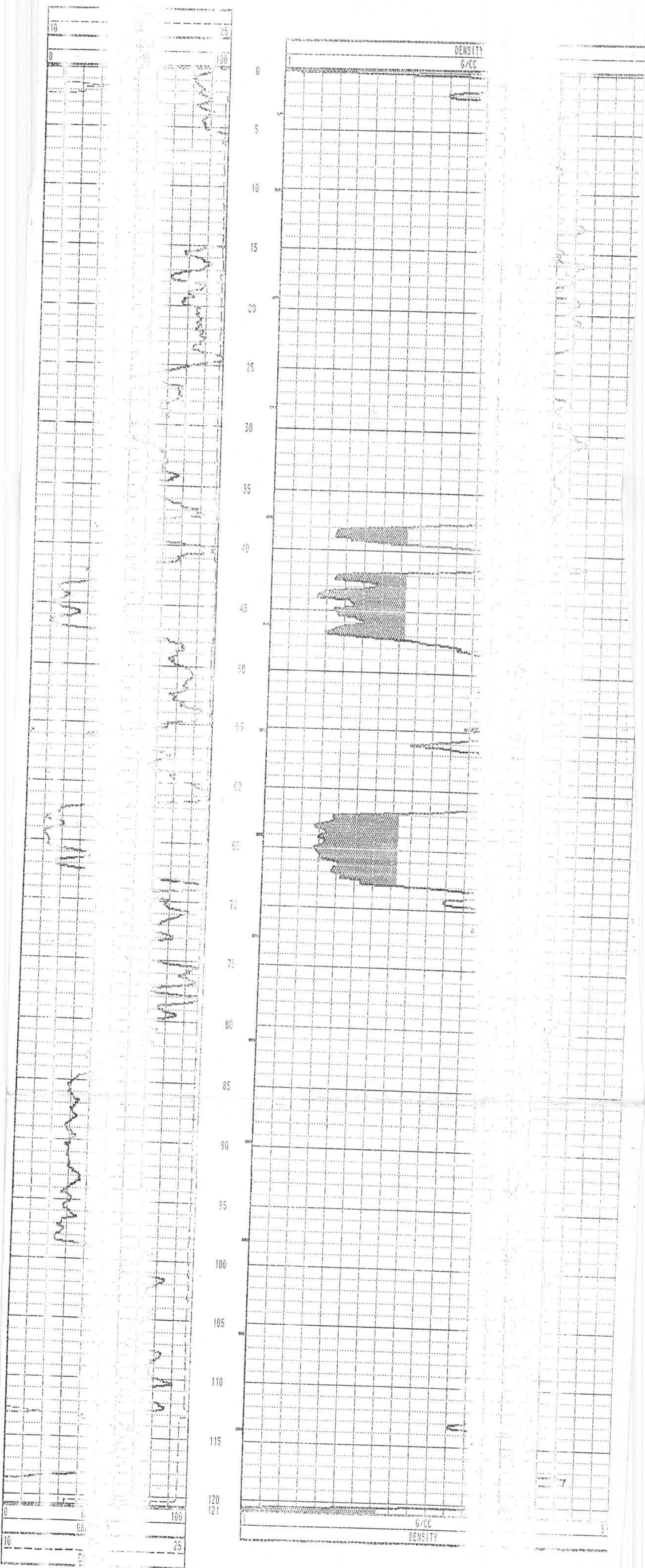
COMPANY : Fording Coal
 WELL : rh2359density
 LOCATION : Taylor
 COUNTY :
 STATE :
 SECTION : TOWNSHIP :

OTHER SERIAL NO.
2359

DATE : 02/18/91 PERMANENT DATUM :
 DEPTH DRL : 102m ELEV. PERM. DATUM :
 LOG BOTTOM : 120.90 LOG MEASURED FROM: G.L.
 LOG TOP : -2.00 DRL MEASURED FROM:
 CASING : LOGGING UNIT : 376
 CASING : FIELD OFFICE : G.O.
 CASING : RECORDED BY : Sandy

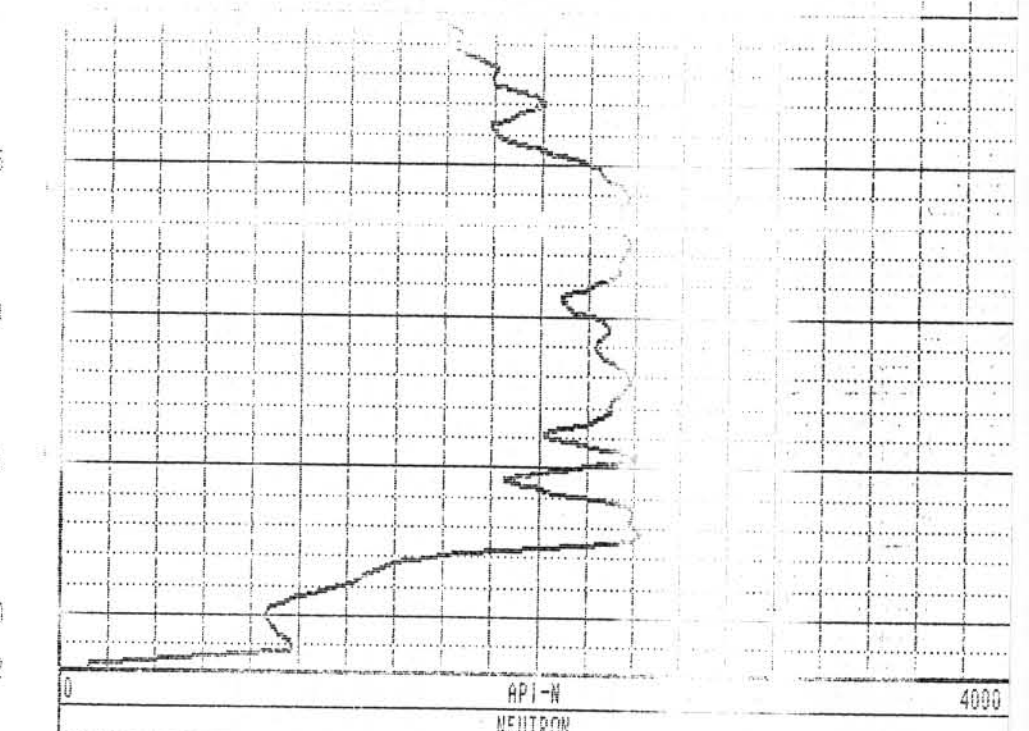
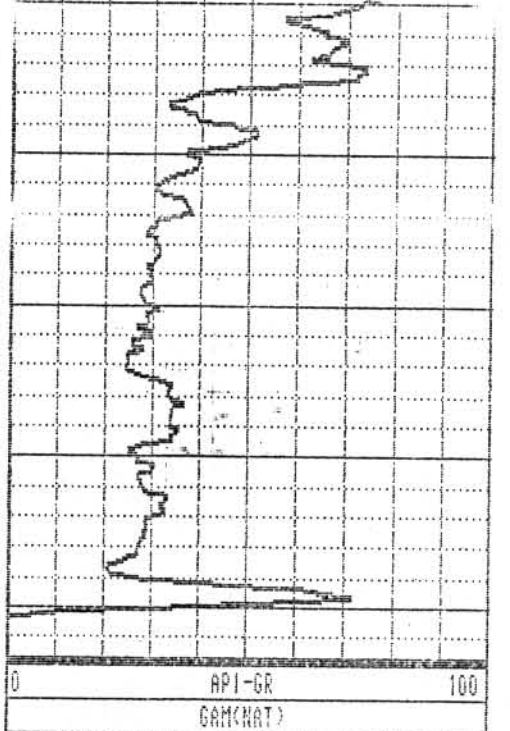
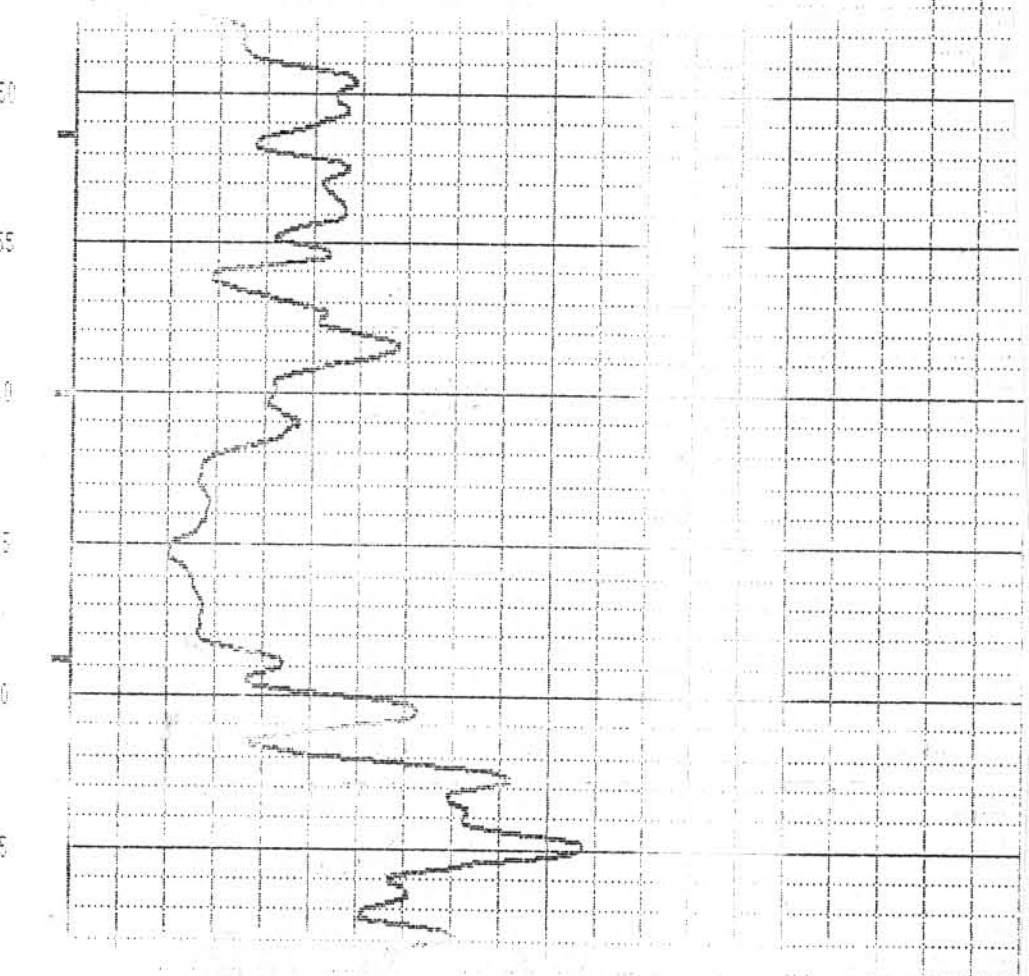
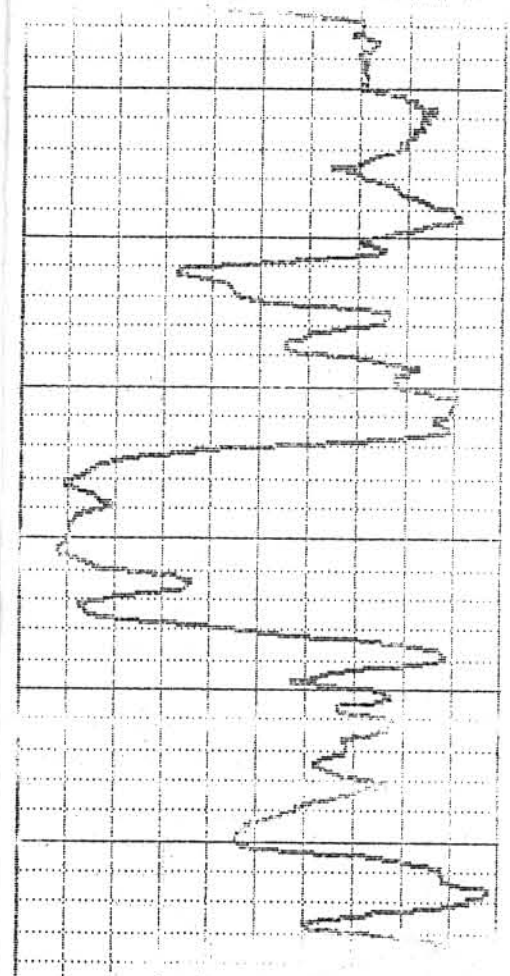
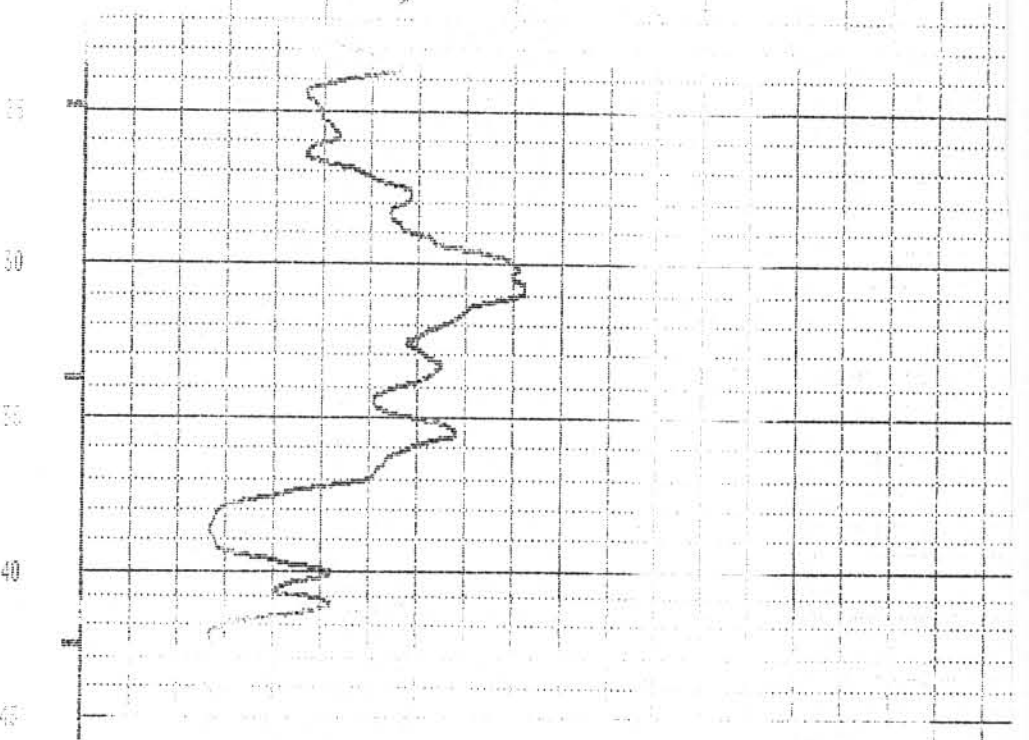
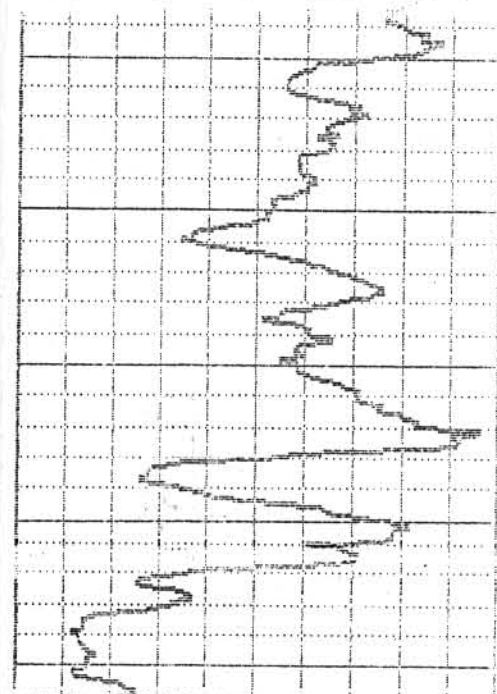
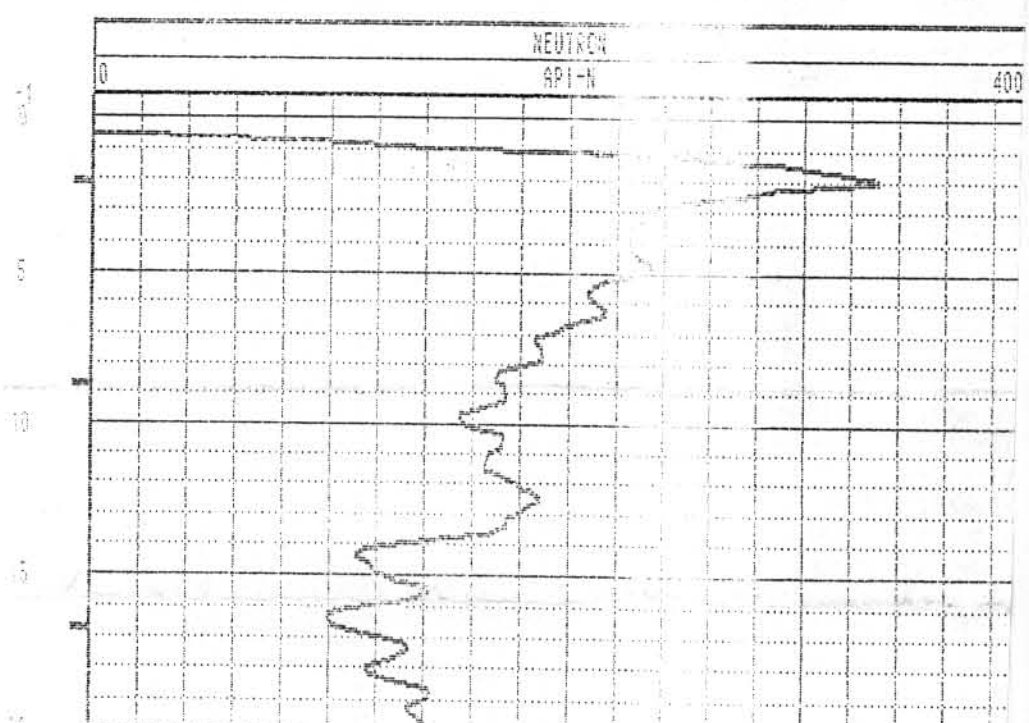
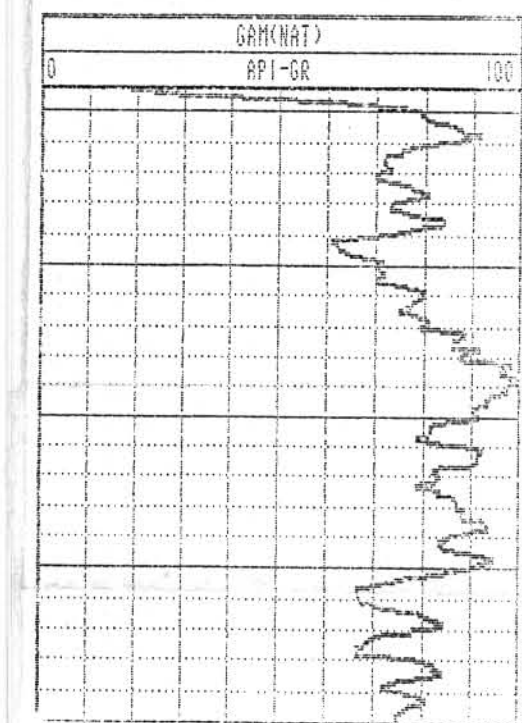
BIT SIZE : BOREHOLE FLUID : ORIGINAL
 MAGNETIC : 1.1 RH : 9030AA
 MATRIX : RM TEMPERATURE : 2
 FLUID : MATRIX DELTA T : 0
 NEUTRON : FLUID DELTA T :
 REMARKS :

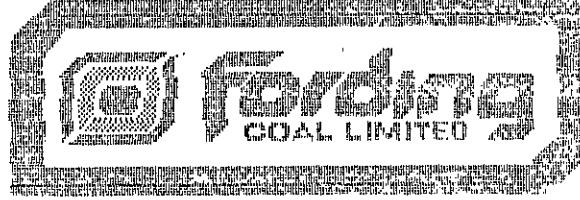
ALL RESULTS PROVIDED SUBJECT TO STANDARD TERMS



RH. 2359

Gamma-Neutron





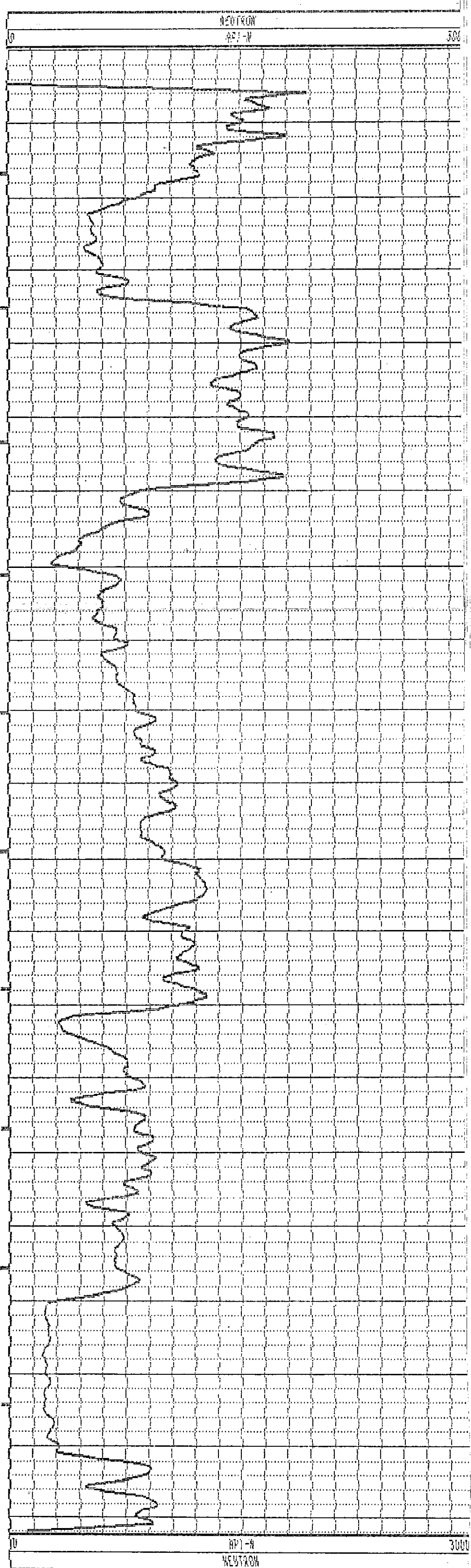
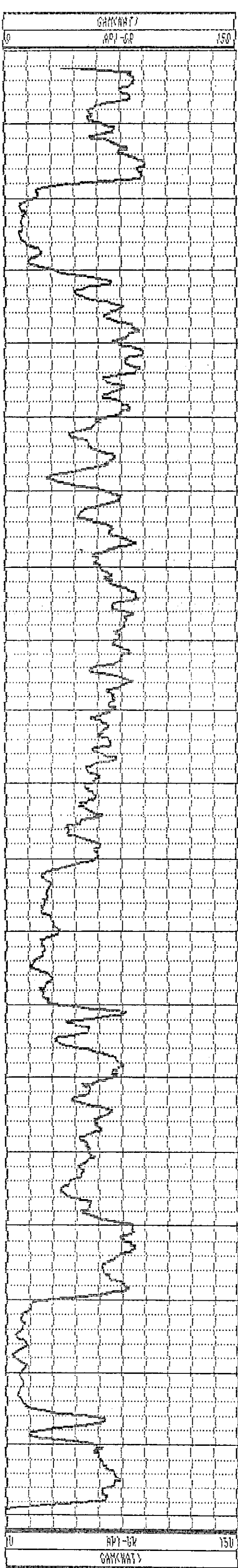
45-4

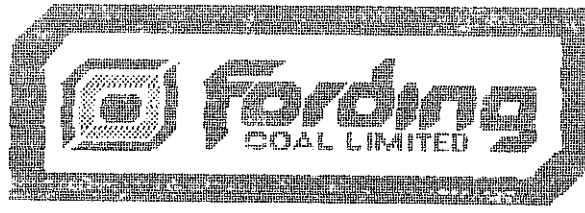
GAMMA-NEUTRON

2247

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2247 Taylor		
LOCATION/FIELD	: Taylor		
COUNTY	: E. Rootney		
STATE	: W.C.		
SECTION	: TOWNSHIP	RANGE	:
DATE	: 07/10/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 100m	ELEV. PERM. DATUM	: KB
LOG BOTTOM	: 181.28	LOG MEASURED FROM	: G.L. DF
LOG TOP	: 1.38	DRL MEASURED FROM	: GL
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Raj Sharma
BIT SIZE	:	BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9855A
MATRIX DENSITY	:	KA TEMPERATURE	: LDG : 2
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9855A 0
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





56-5

GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : RH 2248 Taylor
 LOCATION/FIELD : Taylor
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION :

OTHER SERVICES:
2248

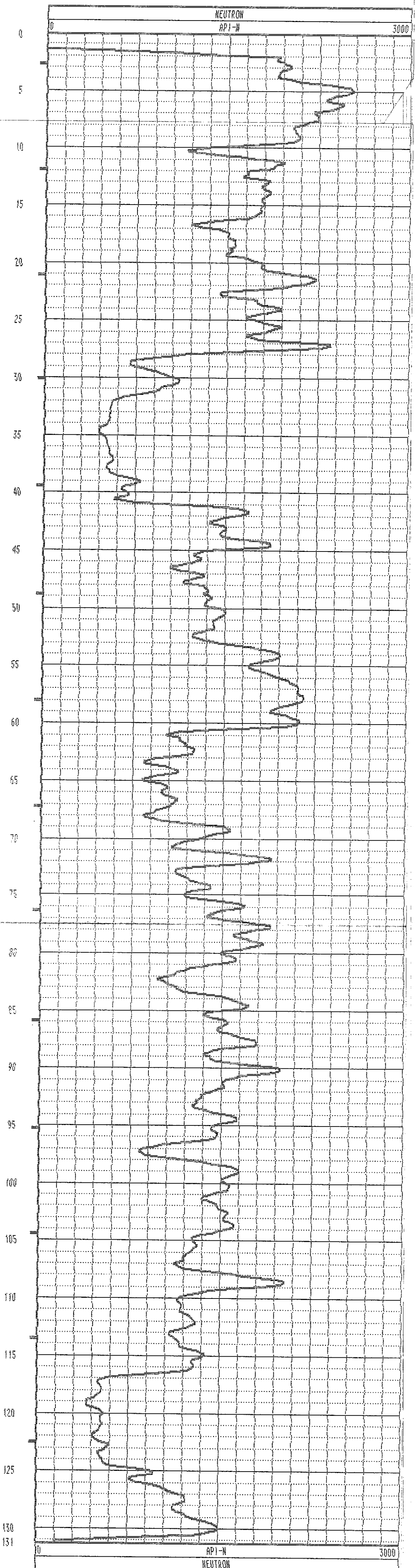
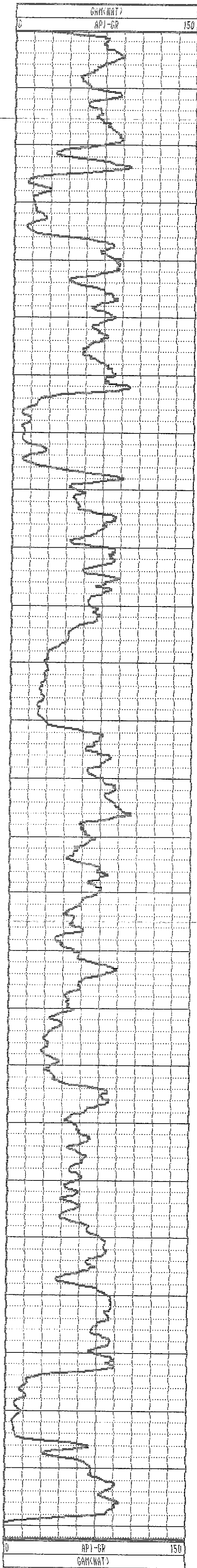
TOWNSHIP : RANGE :

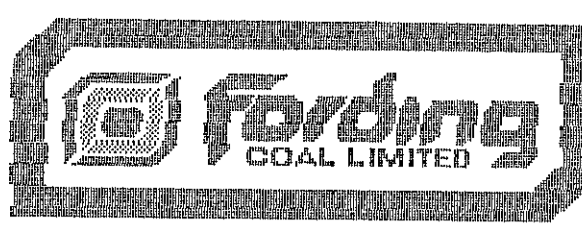
DATE : 07/11/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 130m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 131.30 LOG MEASURED FROM: G.L. DF :
 LOG TOP : 0.40 DRL MEASURED FROM: GL :

CASING DRILLER : 11.5 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Raj Sharma

BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 4
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A @
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





GAMMA-RES-DENSITY

2248

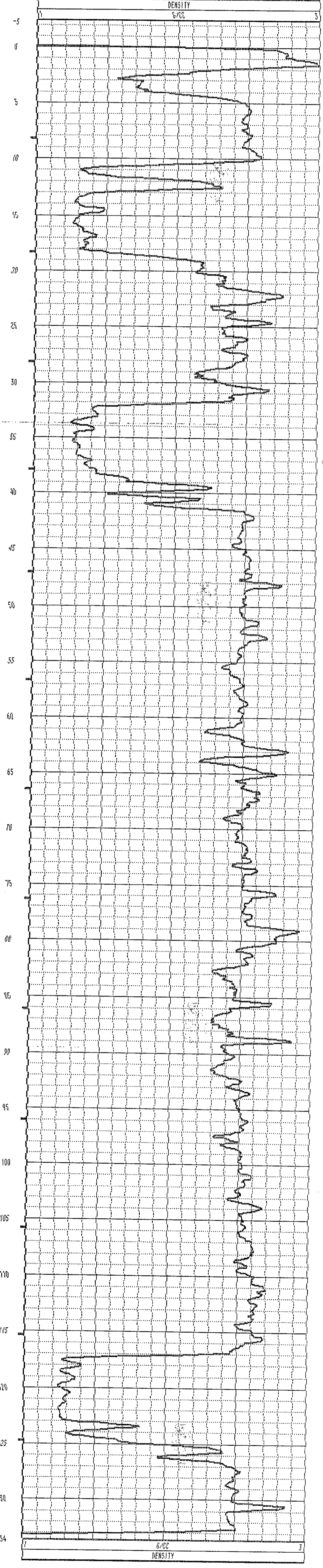
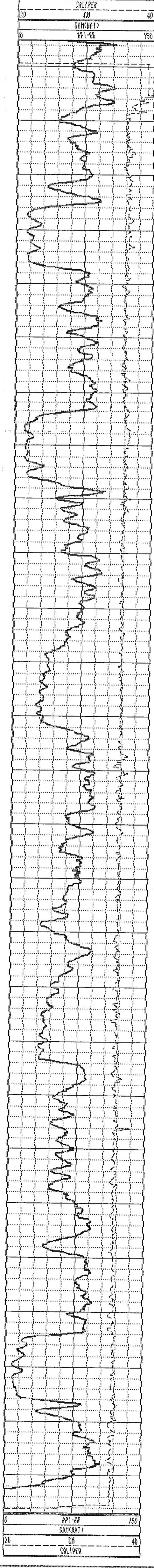
COMPANY : Fording Coal
 WELL : RH 2248 Density
 LOCATION/FIELD : Taylor
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION : TOWNSHIP : RANGE :

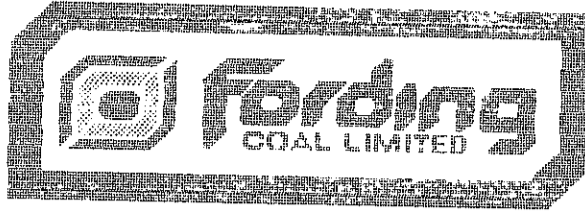
OTHER SERVICES:

DATE : 07/12/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 138m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 133.70 LOG MEASURED FROM: G.L. DF :
 LOG TDW : -3.20 DRL MEASURED FROM: GL :
 CASING DRILLER : 11.5 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Ian J. Olive

BJT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 7
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9032AA @
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





54-4

GAMMA-NEUTRON

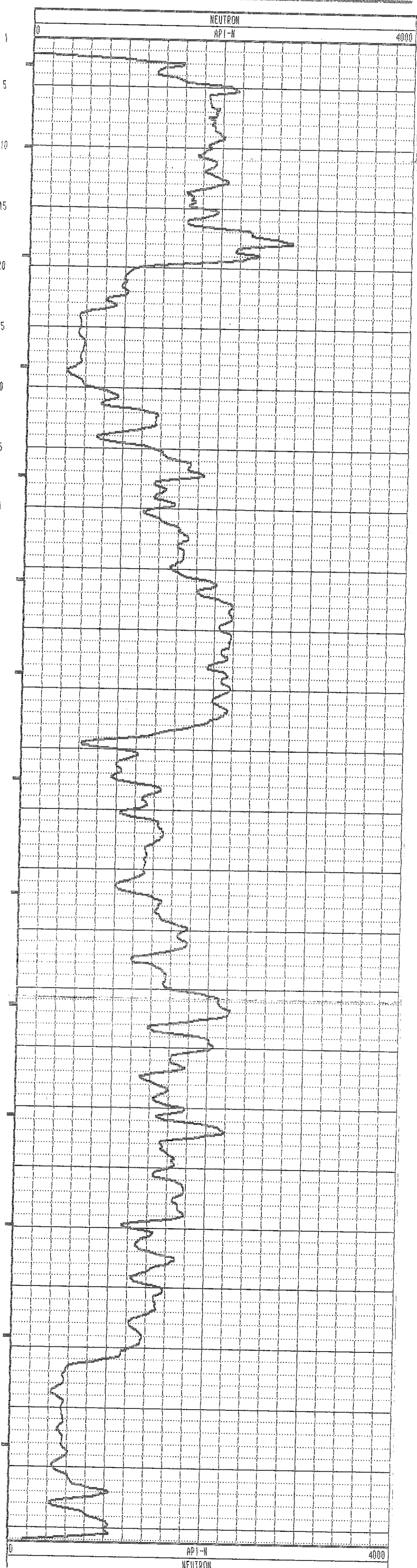
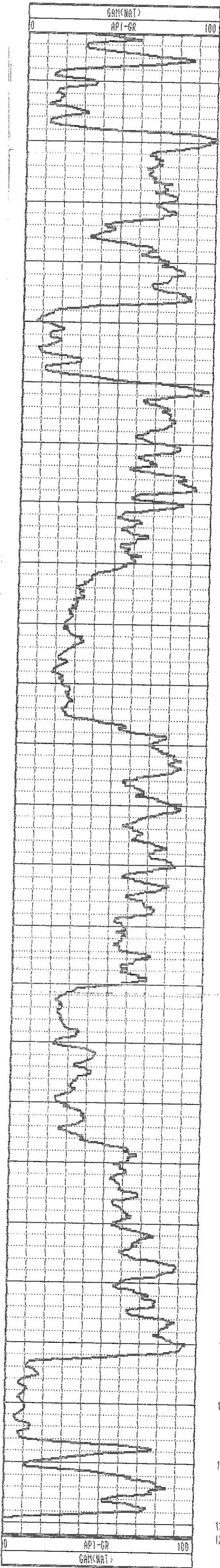
COMPANY : Fording Coal
 WELL : RH 2249
 LOCATION/FIELD : Taylor
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION :
 DATE : 07/08/91
 DEPTH DRILLER : 128m
 LOG BOTTOM : 126.20
 LOG TOP : 1.30
 CASING DRILLER : 11.5
 CASING TYPE : Steel
 CASING THICKNESS : .03
 BIT SIZE :
 MAGNETIC DECL. : 21
 MATRIX DENSITY :
 FLUID DENSITY :
 NEUTRON MATRIX :
 REMARKS :

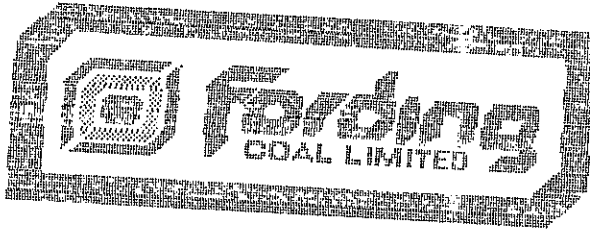
OTHER SERVICES:
2249

TOWNSHIP :
 RANGE :
 PERMANENT DATUM :
 ELEV. PERM. DATUM :
 LOG MEASURED FROM: G.L.
 DRL MEASURED FROM:
 LOGGING UNIT : 379
 FIELD OFFICE : G.O.
 RECORDED BY : Raj Sharma

ELEVATIONS
 KB :
 DF :
 CL :
 FILE : ORIGINAL
 TYPE : 9055A
 LOG : 2
 PLOT : 9055A 0
 THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





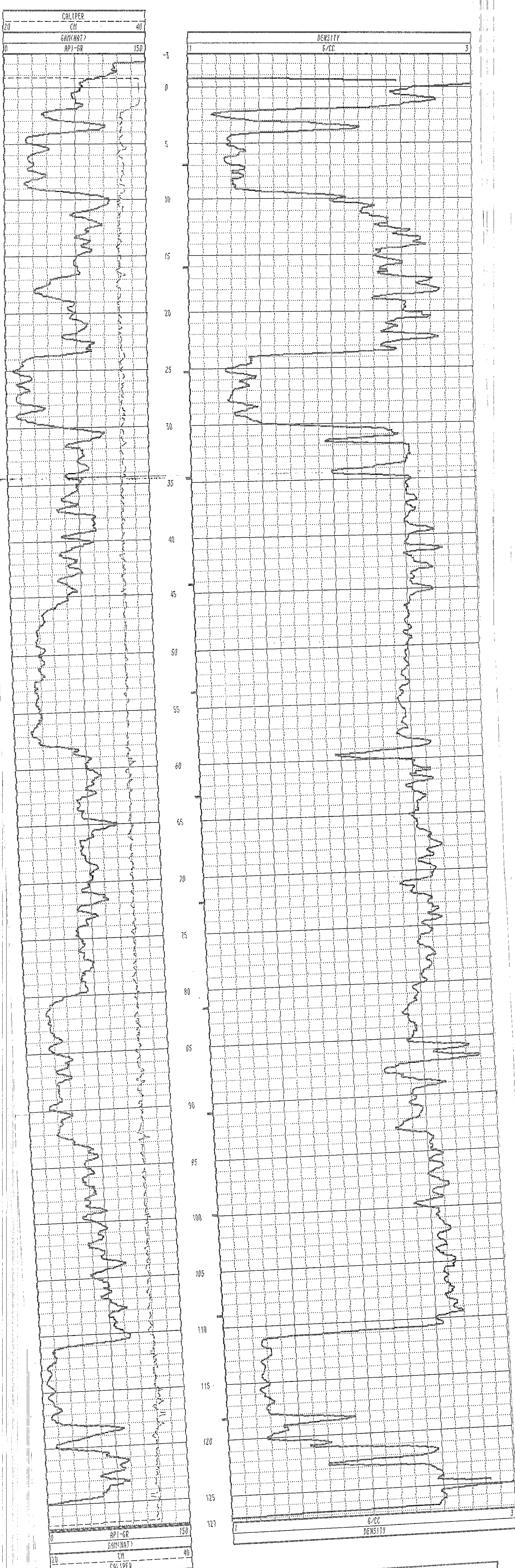
GAMMA-RES-DENSITY

2249

OTHER SERVICES:

COMPANY : Fording Coal
 WELL : RH 2249 Taylor Den
 LOCATION/FIELD : Taylor
 COUNTY : E. Wootney
 STATE : B.C.
 SECTION : TOWNSHIP : RANGE :
 DATE : 07/09/91 PERMANENT DATUM :
 DEPTH DRILLER : 128m ELEV. PERM. DATUM : ELEVATIONS
 LOG BOTTOM : 127.30 LOG MEASURED FROM: G.L. KB :
 LOG TOP : -2.70 DRL MEASURED FROM: GL :
 CASING DRILLER : 11.5 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Raj Sharma
 BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 5
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9032AA 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



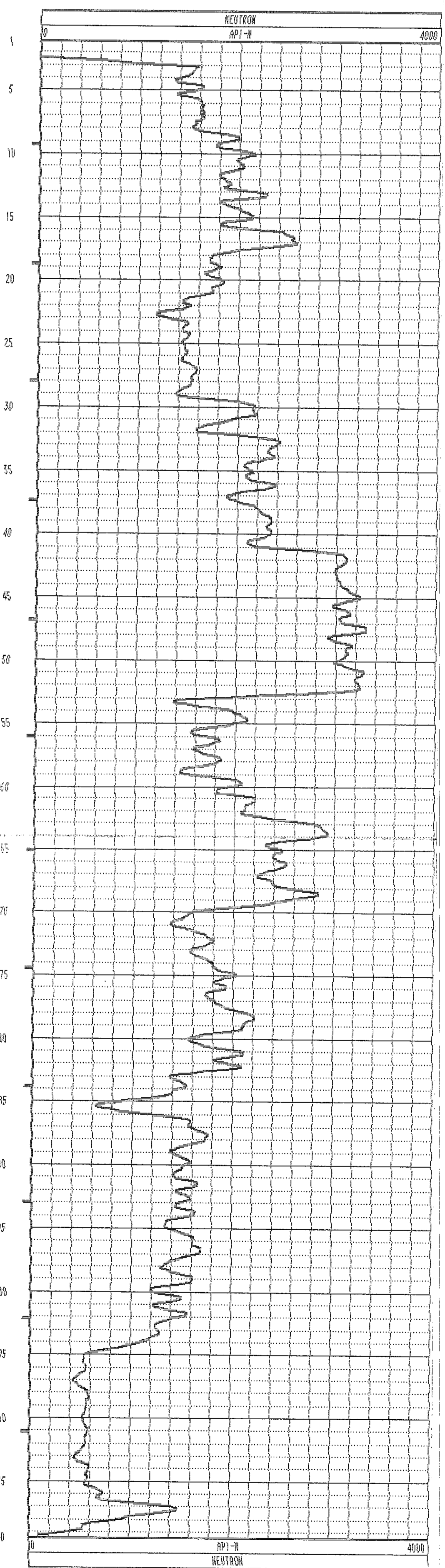
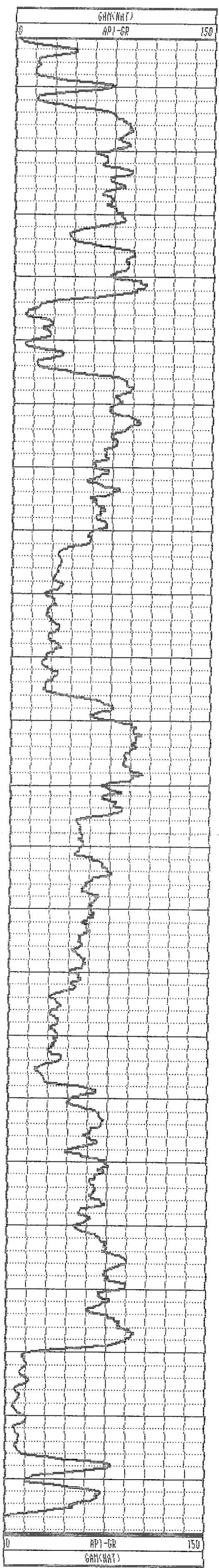


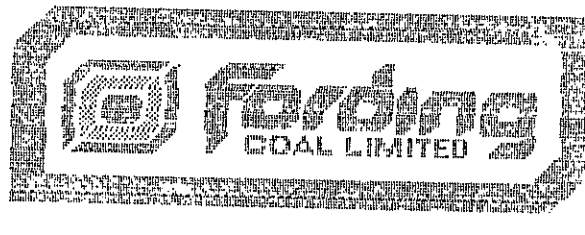
55-3

GAMMA-NEUTRON

COMPANY : Fording Coal	OTHER SERVICES:
WELL : RH 2250 Taylor	2250
LOCATION/FIELD : Taylor	
COUNTY : E. Kootney	
STATE : B.C.	
SECTION :	TOWNSHIP :
	RANGE :
DATE : 07/09/91	PERMANENT DATUM :
DEPTH DRILLER : 128m	ELEV. PERM. DATUM: KB :
LOG BOTTOM : 119.50	LOG MEASURED FROM: G.L. DF :
LOG TOP : 1.40	DRL MEASURED FROM: CL :
CASING DRILLER : 11.5	LOGGING UNIT : 379
CASING TYPE : Steel	FIELD OFFICE : G.O.
CASING THICKNESS: .03	RECORDED BY : Raj Sharma
BIT SIZE :	BOREHOLE FLUID : H2o
MAGNETIC DECL. : 21	RM :
MATRIX DENSITY :	RM TEMPERATURE :
FLUID DENSITY :	MATRIX DELTA T :
NEUTRON MATRIX :	FLUID DELTA T :
REMARKS :	FILE : ORIGINAL
	TYPE : 9055A
	LOG : 8
	PLOT : 9055A 0
	THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



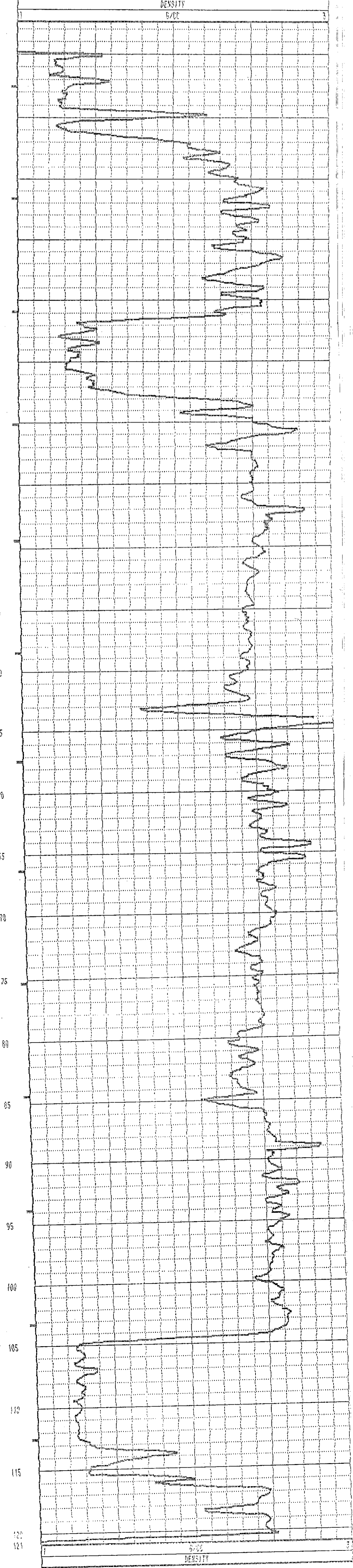
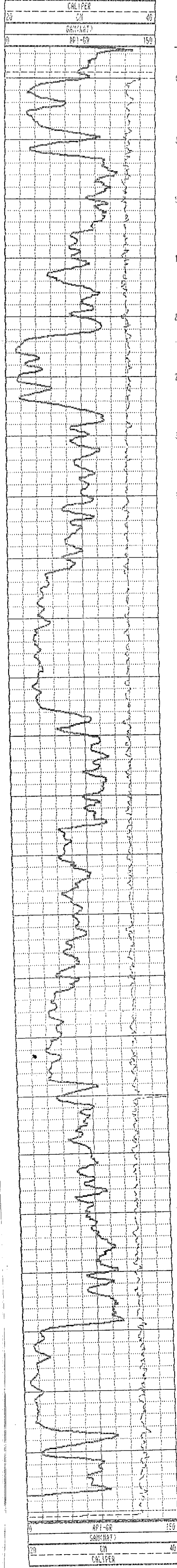


GAMMA-RES-DENSITY

2250

COMPANY : Fording Coal	OTHER SERVICES:	
WELL : BH 2250 Taylor Den		
LOCATION/FIELD : Taylor		
COUNTY : E. Mecklenburg		
STATE : N.C.		
SECTION :	TOWNSHIP :	
	RANGE :	
DATE : 07/89/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 128m	ELEV. PERM. DATUM:	NS :
LOG BOTTOM : 121.00	LOG MEASURED FROM: G.L.	DE :
LOG TOP : -2.40	DRL MEASURED FROM:	GL :
CASING DRILLER : 11.5	LOGGING UNIT : 379	
CASING TYPE : Steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .03	RECORDED BY : Raj Sharma	
BIT SIZE :	BOREHOLE FLUID : H2O	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM	TYPE : 9032AA
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 9
FLUID DENSITY :	MATRIX DELTA T :	PLAY : 9032AA. 0
NEUTRON MATRIX :	FLUID DELTA T :	THRESH:
REMARKS :		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : RH2351
 LOCATION/FIELD : Taylor
 COUNTY : E. Kootenay
 STATE : B.C.
 SECTION : _____

OTHER SERVICES:
 RH2351 3
 Taylor 2451
 G/N

76-10

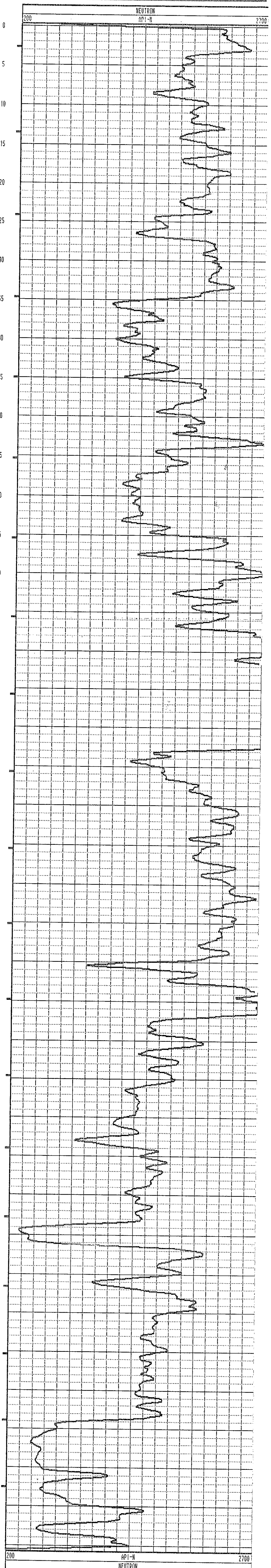
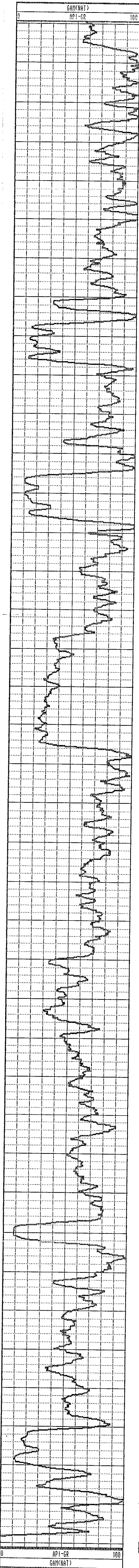
TOWNSHIP : _____ RANGE : _____

DATE : 09/18/91 PERMANENT DATUM : _____ ELEVATIONS
 DEPTH DRILLER : 200m ELEV. PERM. DATUM: _____ KB :
 LOG BOTTOM : 195.80 LOG MEASURED FROM: GL DF :
 LOG TOP : -1.40 DRL MEASURED FROM: _____ GL :

CASING DRILLER : 3 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Sandy

BIT SIZE : _____ BOREHOLE FLUID : H2o 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 : _____

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

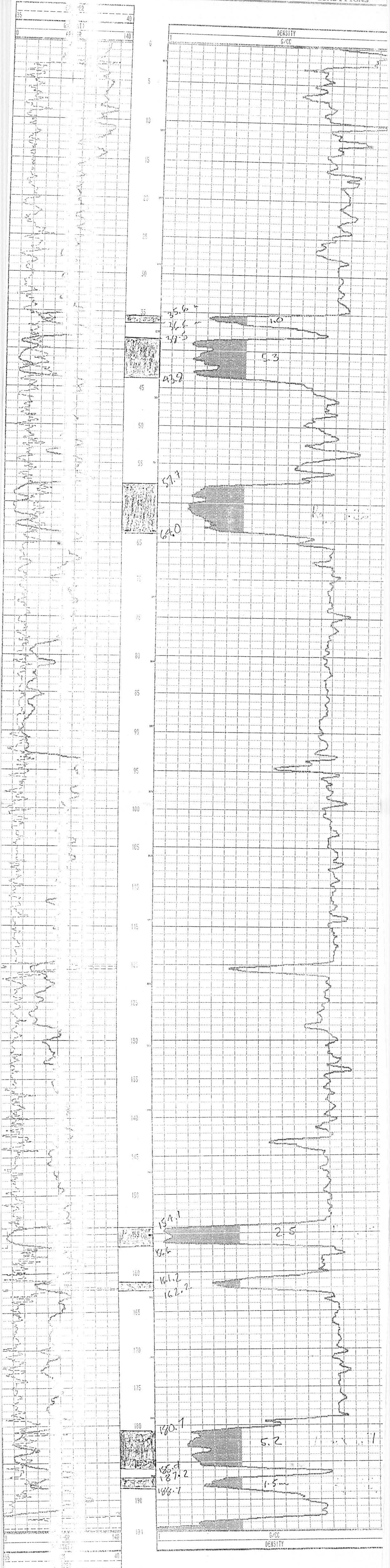


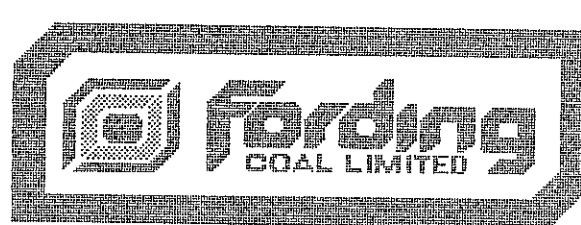


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH2351	RH2351
LOCATION/	: Taylor	Taylor
COUNTY	: E. Kootenay	DEN.
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 09/19/91	PERMANENT DATUM :
DEPTH DRILLER	: 280m	ELEV. PERM. DATUM:
LOG BOTTOM	: 194.28	LOG MEASURED FROM: GL
LOG TOP	: -2.58	DRL MEASURED FROM:
CASING DRILLER	: 3	LOGGING UNIT : 379
CASING TYPE	: Steel	FIELD OFFICE : G.O.
CASING WALL THICKNESS	: .03	RECORDED BY : Sandy
BIT SIZE		BOREHOLE FLUID : H2O
MAGNETIC DEVIATION	: 21	RM :
MATRIX DENSITY		RM TEMPERATURE :
FLUID DENSITY		MATRIX DELTA T :
NEUTRON MATRIX		FLUID DELTA T :
REMARKS		FILE : ORIGINAL
Open Hole		TYPE : 9032AR
		LOG : 3
		PLOT : SHADE 2
		THRESH:

ALL DATA IS PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



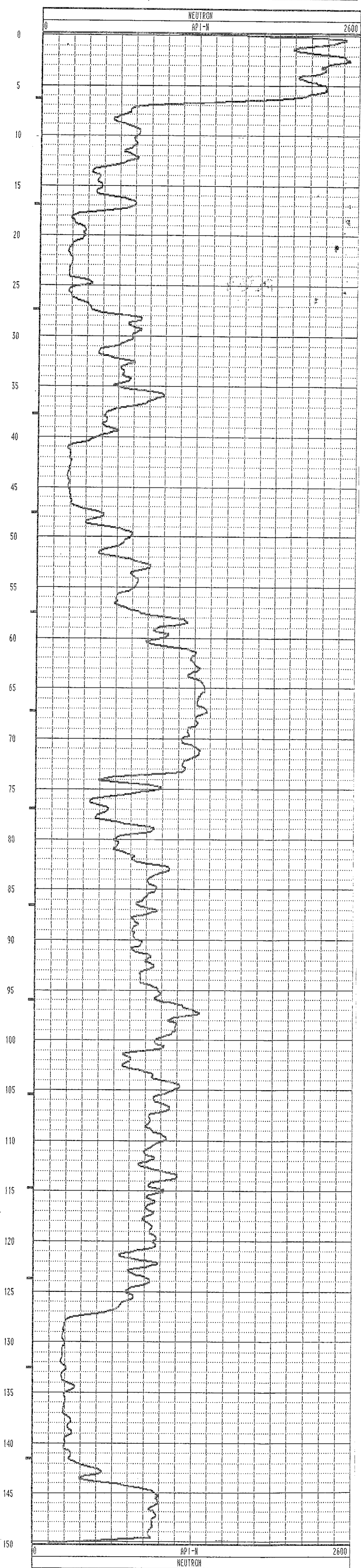
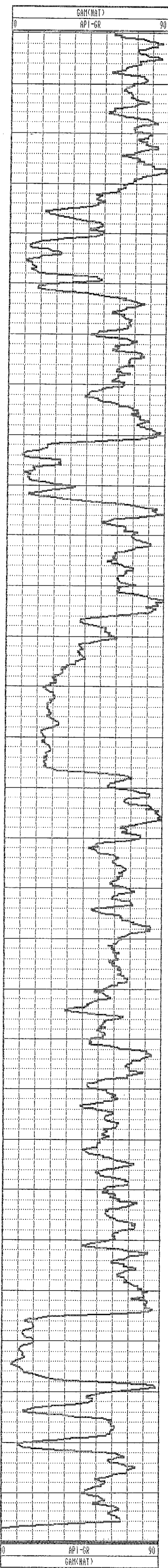


69-3

GAMMA-NEUTRON

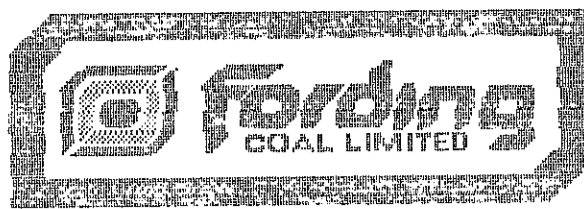
COMPANY : Fording Coal	OTHER SERVICES : RH2352	2352	
WELL : RH2352	Taylor		
LOCATION/FIELD : Taylor	G/N		
COUNTY :			
STATE :			
SECTION :	TOWNSHIP :		RANGE :
DATE : 09/17/91	PERMANENT DATUM :		ELEVATIONS
DEPTH DRILLER : 150m	ELEV. PERM. DATUM :		KB :
LOG BOTTOM : 150.30	LOG MEASURED FROM: GL		DF :
LOG TOP : -1.60	DRL MEASURED FROM:		GL :
CASING DRILLER : 30	LOGGING UNIT : 379		
CASING TYPE : Steel	FIELD OFFICE : G.O.		
CASING THICKNESS: .03	RECORDED BY : Sandy		
BIT SIZE :	BOREHOLE FLUID : H2o	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 :			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



RH2352 09/17/91 232

Note:- Open hole caved at 12.76 m



38

5003

GAMMA-NEUTRON

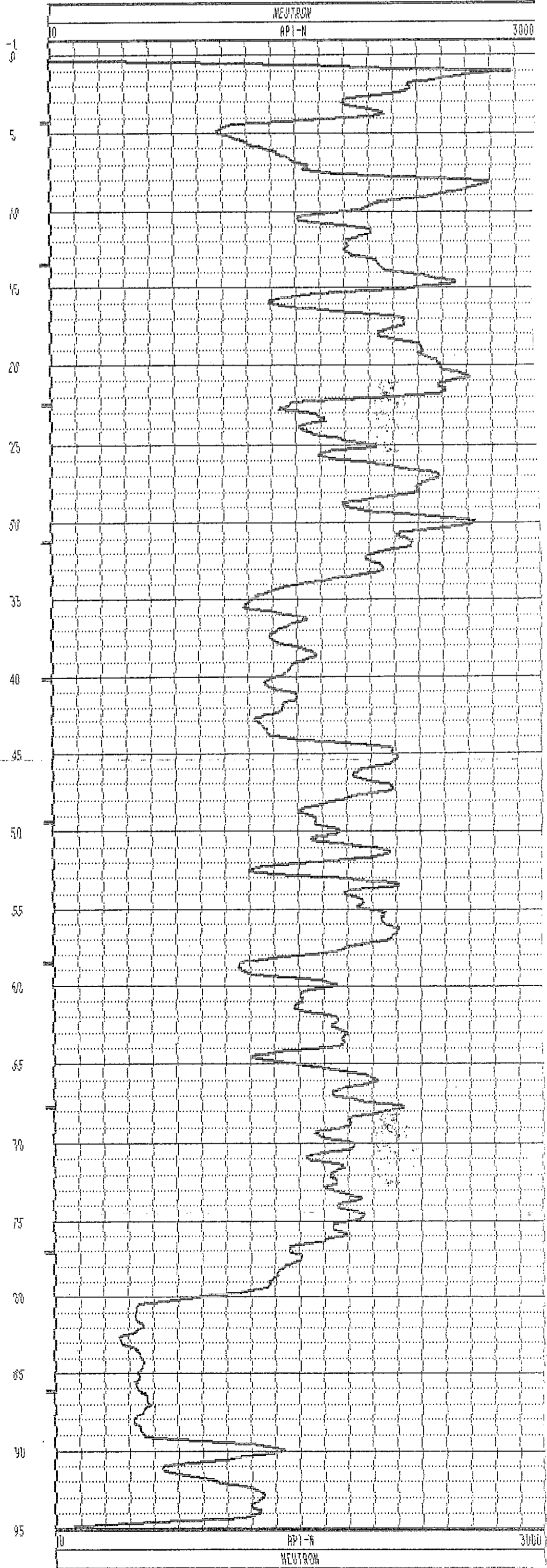
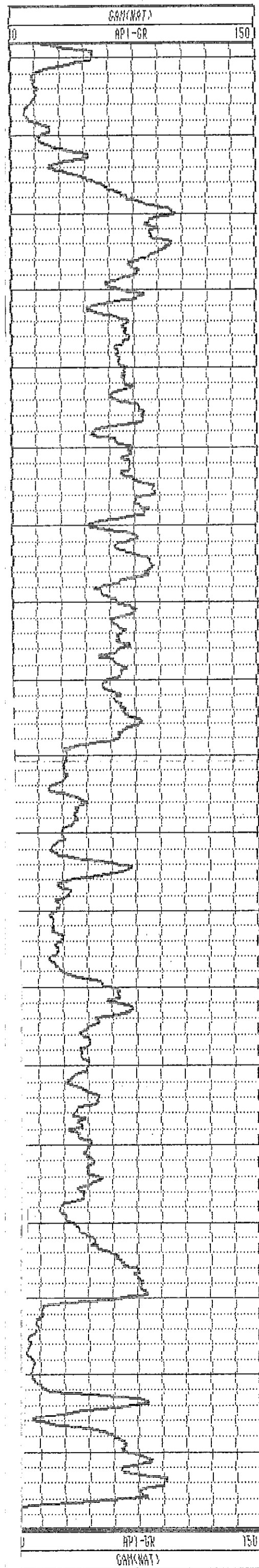
COMPANY : Fording Coal
 WELL : RH 2000 Taylor
 LOCATION/FIELD : Taylor
 COUNTY : E. Kootenay
 STATE : B.C.
 SECTION :

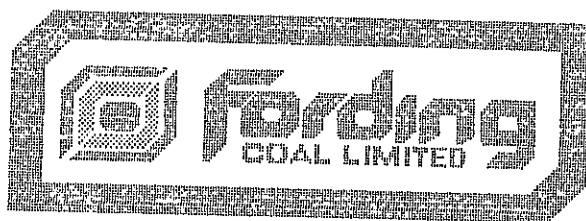
OTHER SERVICES
 2353

DATE : 07/10/91 PERMANENT DATUM :
 DEPTH DRILLER : 97m ELEV. FERM. DATUM :
 LOG BOTTOM : 95.10 LOG MEASURED FROM: G.L.
 LOG TOP : -0.70 DVL MEASURED FROM:

ASING DRILLER : 11.5 LOGGING UNIT : 379
 ASING TYPE : Steel FIELD OFFICE : G.O.
 ASING THICKNESS: .03 RECORDED BY : Raj Sharma
 BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 3
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A @
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





49-4

GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : RH 2355 Taylor Neutron
 LOCATION : Taylor
 COUNTY :
 STATE :
 SECTION : TOWNSHIP :

OTHER SERVICE :
2355

DATE : 12/11/91 PERMANENT DATUM :
 DEPTH : 128m ELEV. PERM. DATUM :
 LOG BOTTOM : 127.50 LOG MEASURED FROM: G.L.
 LOG TOP : -6.40 DRL MEASURED FROM:

RA :
 S :
 I :
 C :

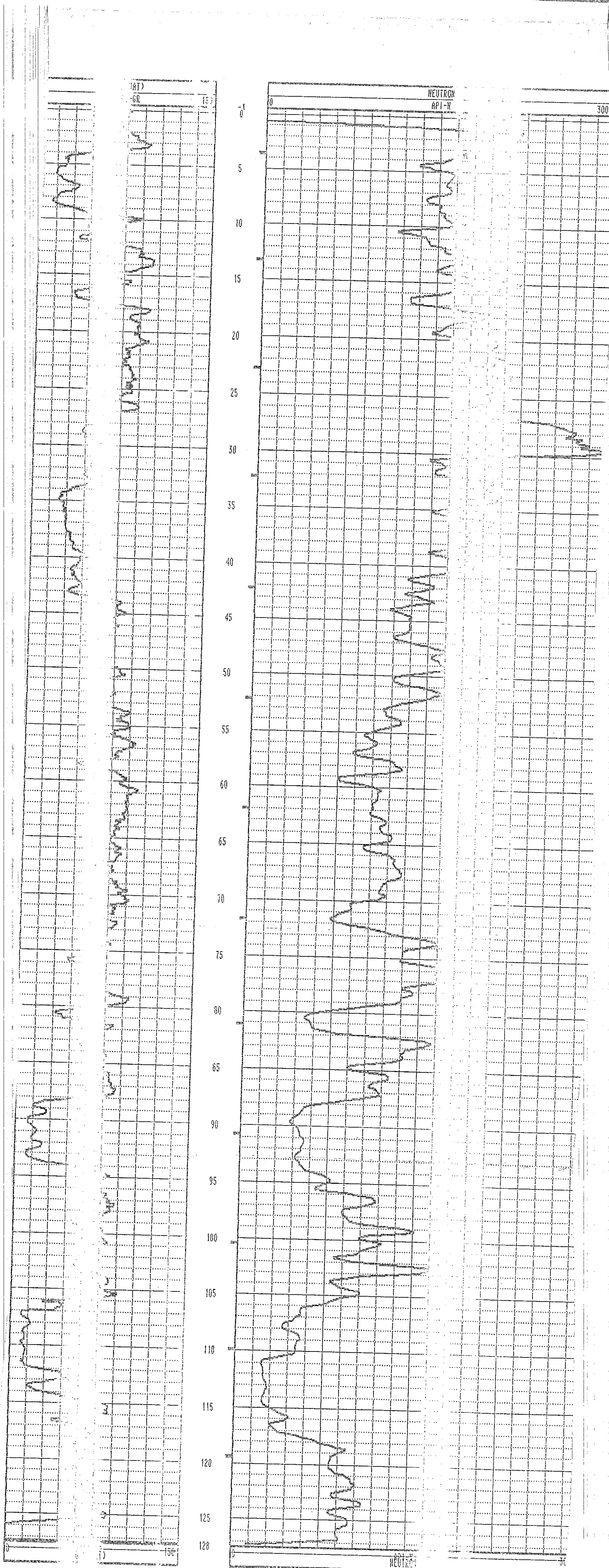
LOGGING UNIT : 376
 FIELD OFFICE : G.O.
 RECORDED BY : Sandy

LOG SIZE :
 MAGNETIC : 21
 MATRIX :
 FLUID :
 NEUTRON :
 MARKS :

BOREHOLE FLUID :
 RM :
 RM TEMPERATURE :
 MATRIX DELTA T :
 FLUID DELTA T :

ORIGINAL :
 9055A
 0
 9055A 0
 0

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





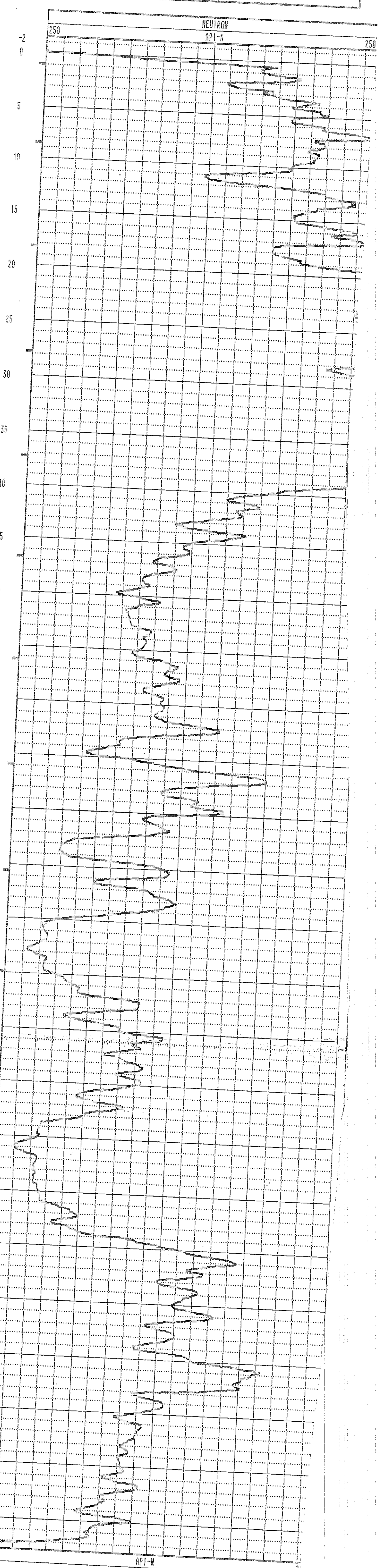
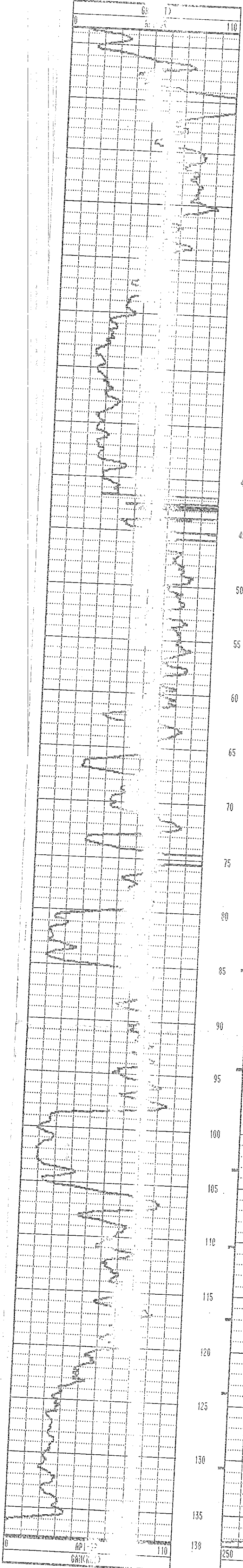
41-3

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2358 Taylor	2358
LOCATION/FIELD	: Taylor	
COUNTY	:	
STATE	:	
SECTION	:	
	TOWNSHIP	RANGE
DATE	: 12/12/91	PERMANENT DATUM
DEPTH DRILLER	: 182m	ELEV. PERM. DATUM
LOG BOTTOM	: 137.98	LOG MEASURED FROM: G.L.
LOG TOP	: -1.20	BRL MEASURED FROM:
CASING DRILLER	:	LOGGING UNIT
CASING TYPE	:	FIELD OFFICE
CASING THICKNESS	:	RECORDED BY
		: Sandy
BIT SIZE	:	BOREHOLE FLUID
MAGNETIC DEVIATION	: 21	RM
MATRIX DENSITY	:	RM TEMPERATURE
FLUID DENSITY	:	MATRIX DELTA T
NEUTRON MATRIX	:	FLUID DELTA T
REMARKS	:	FILE : PROCESSED
		TYPE : 9855A
		LOG : 2
		PLOT : 9855A 0
		THRESH:

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RH 2358 TAYLOR 12/12/91 232



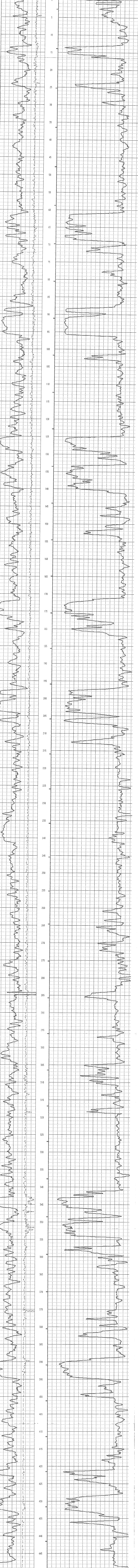
RH 2358 TAYLOR 12/12/91 232

GAMMA-RES-DENSITY

229-25

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 1997 Density	RH 1997
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/23/91	PERMANENT DATUM :
DEPTH DRILLER	: 00	ELEV. PERM. DATUM:
LOG BOTTOM	: 458.28	LOG MEASURED FROM: G.L.
LOG TOP	: -2.28	DRL MEASURED FROM:
CASING DRILLER	: 11.5	LOGGING UNIT
CASING TYPE	: Steel	FIELD OFFICE
CASING THICKNESS	: .03	RECORDED BY
		: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID
MAGNETIC DECL.	: 21	: H2o
MATRIX DENSITY	:	FILE
FLUID DENSITY	:	: ORIGINA
NEUTRON MATRIX	:	RM TEMPERATURE
REMARKS	:	: :
		LOG
		: 1
		PLOT
		: 9032AA
		THRESH:

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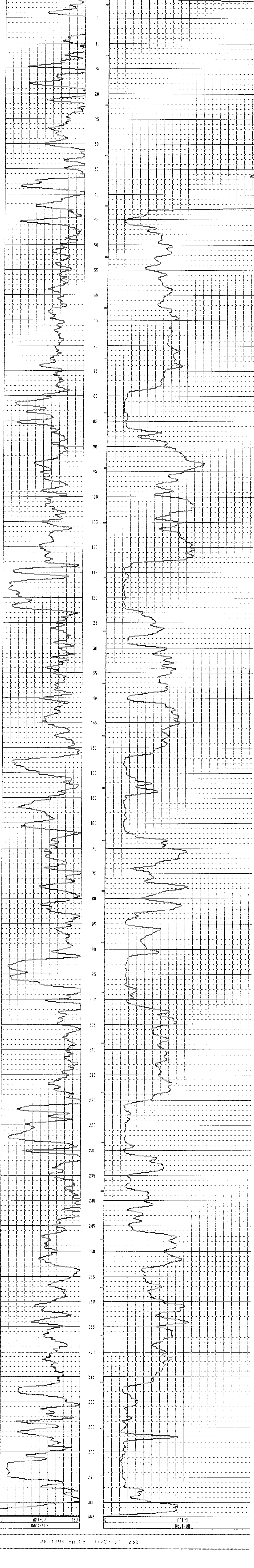


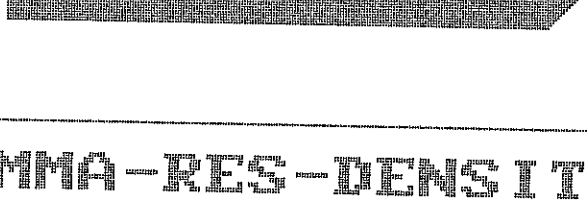
182-19

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 1998 Eagle		
LOCATION/FIELD	: Eagle		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 07/27/91	PERMANENT DATUM	:
DEPTH DRILLER	: 304.9	ELEV. PERM. DATUM:	KB
LOG BOTTOM	: 302.90	LOG MEASURED FROM:	G.L. DF
LOG TOP	: 0.00	DRL MEASURED FROM:	GL
CASING DRILLER	: 0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Aaron Penman
BIT SIZE	:	BOREHOLE FLUID	: H2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 0
		PLOT	: 9055A
		THRESH	:

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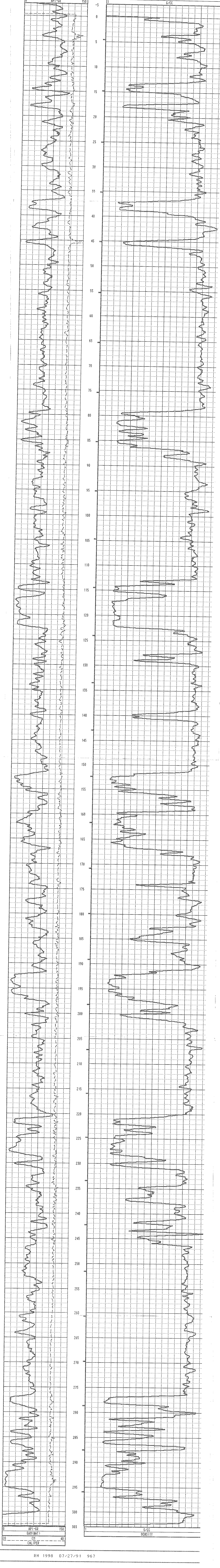


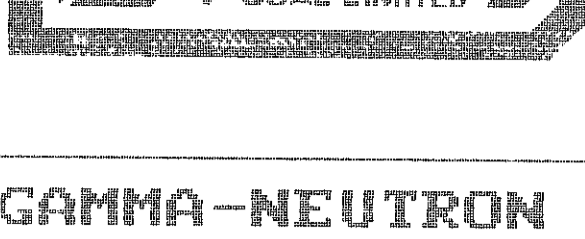


GAMMA-RES-DENSITY

COMPANY : Fording Coal	OTHER SERVICES:	
WELL : RH 1998	RH 1998	
LOCATION/FIELD : Eagle		
COUNTY : E. Kootney		
STATE : B.C.		
SECTION :	TOWNSHIP :	
	RANGE :	
DATE : 07/27/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 304.9	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 303.00	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -2.30	DRL MEASURED FROM:	GL :
CASING DRILLER : 0	LOGGING UNIT : 379	
CASING TYPE : Steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .03	RECORDED BY : Aaron Penman	
BIT SIZE :	BOREHOLE FLUID : H2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM :	TYPE : 9832AA
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 4
FLUID DENSITY :	MATRIX DELTA T :	PLOT : 9832AA
NEUTRON MATRIX :	FLUID DELTA T :	THRESH:
REMARKS :		

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700-23

GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : RH 1999 Neutron
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION :

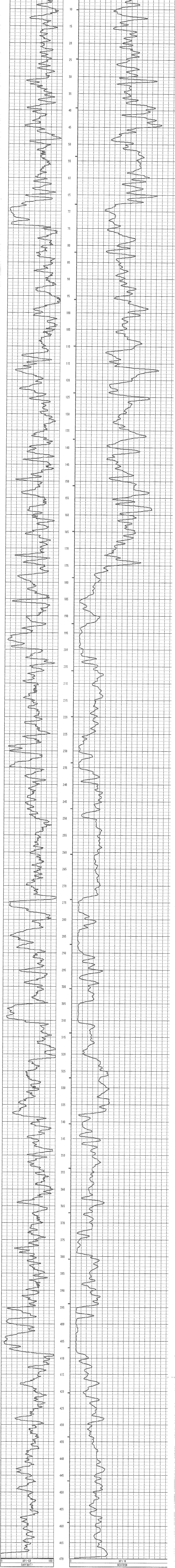
OTHER SERVICES:
 RH 1999

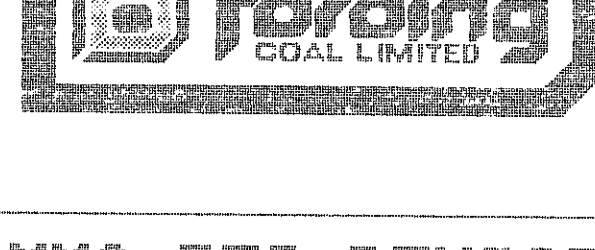
DATE : 07/20/91 PERMANENT DATUM :
 DEPTH DRILLER : 88 ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 469.88 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -1.68 DRL MEASURED FROM: GL :

CASING DRILLER : 11.5 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Ian Oliver

BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 1
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A
 NEUTRON MATRIX : FLUID DELTA T : THRESH:

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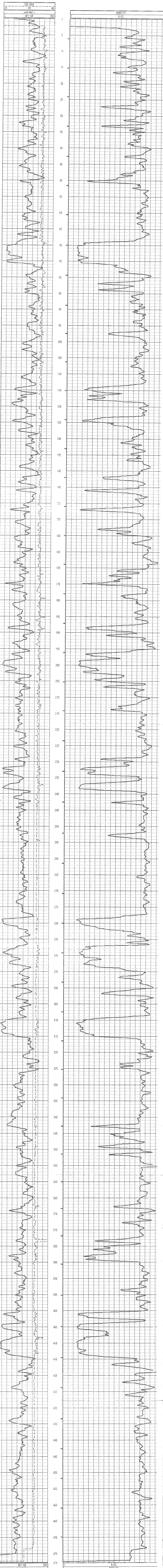


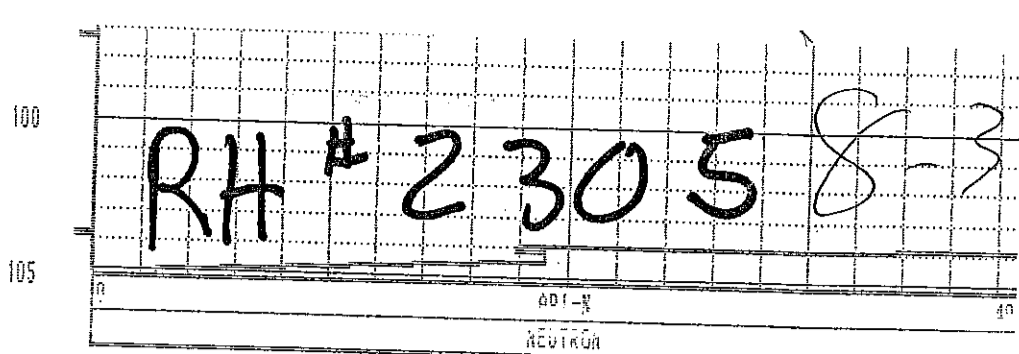
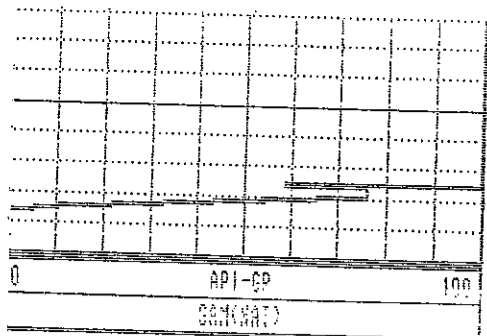


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 1999 Eagle Density 2		
LOCATION/FIELD	: Eagle		1999
COUNTY	: E. Kootenay		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 07/25/91	PERMANENT DATUM	:
DEPTH DRILLER	: 488n	ELEV. PERM. DATUM	: KB
LOG BOTTOM	: 477.98	LOG MEASURED FROM	: G.L.
LOG TOP	: 0.38	DRL MEASURED FROM	: GL
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Raj Sharna
BIT SIZE	:	BOREHOLE FLUID	: M2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:		
		FILE	: ORIGINAL
		TYPE	: 9832A
		LOG	: 4
		PLOT	: 9832A
		THRESH	:

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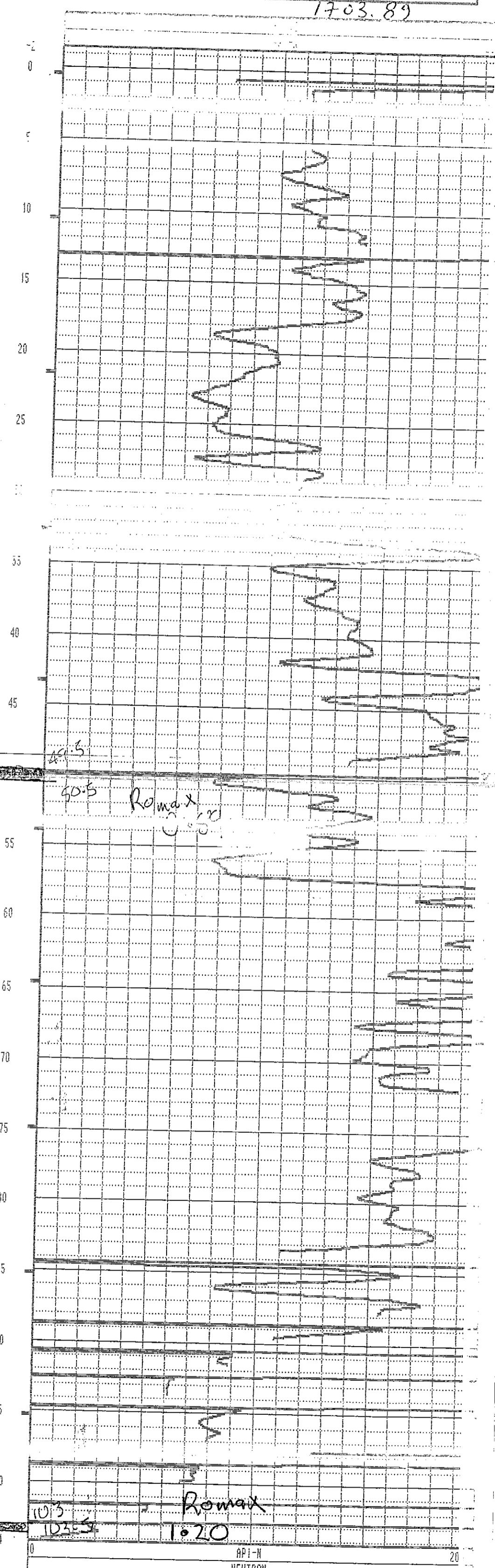
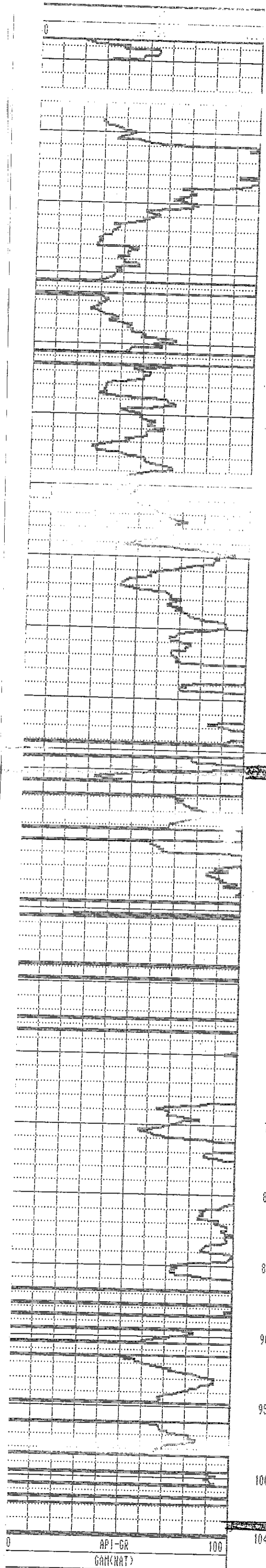




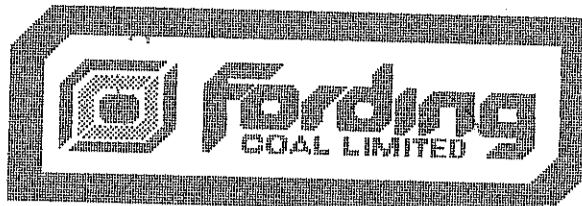
RH # 2305 8-3

RH 2305 REPEAT 08/12/91 232

153728.082
23707.198
1703.89



RH 2305 NEU. HENRETTA 08/12/91 232



18-3

GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : RH 2306 Henretta
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION : TOMNSHIP : RANGE :
 DATE : 07/27/91 PERMANENT DATUM :
 DEPTH DRILLER : 101 ELEV. PERM. DATUM :
 LOG BOTTOM : 99.30 LOG MEASURED FROM: G.I.
 LOG TOP : 0.20 DRL MEASURED FROM:
 CASING DRILLER : 6.8 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Aaron Penman
 BIT SIZE :
 MAGNETIC DECL. : 21
 MATRIX DENSITY :
 FLUID DENSITY :
 NEUTRON MATRIX :
 REMARKS :

OTHER SERVICES:

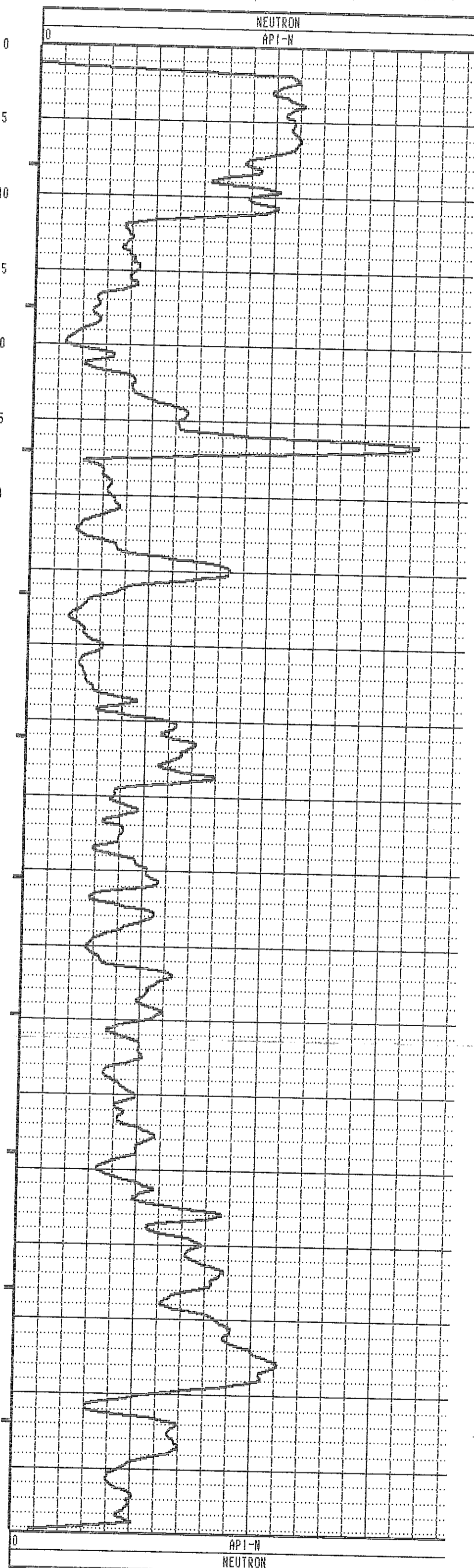
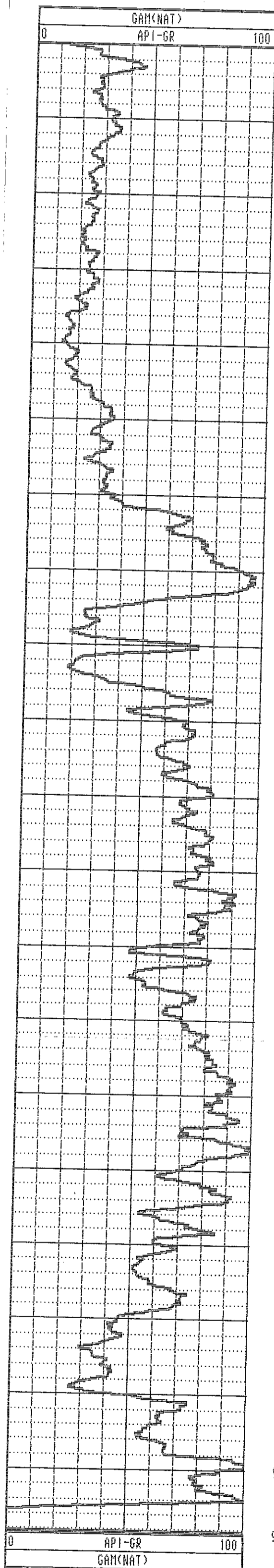
RH 2306

ELEVATIONS

KB :
 DE :
 GL :

FILE : ORIGINAL
 TYPE : 9055A
 LOG : 1
 PLOT : 9055A
 THRESH:

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GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : rh 2307 henretta
 LOCATION/FIELD : henretta
 COUNTY :
 STATE :
 SECTION :

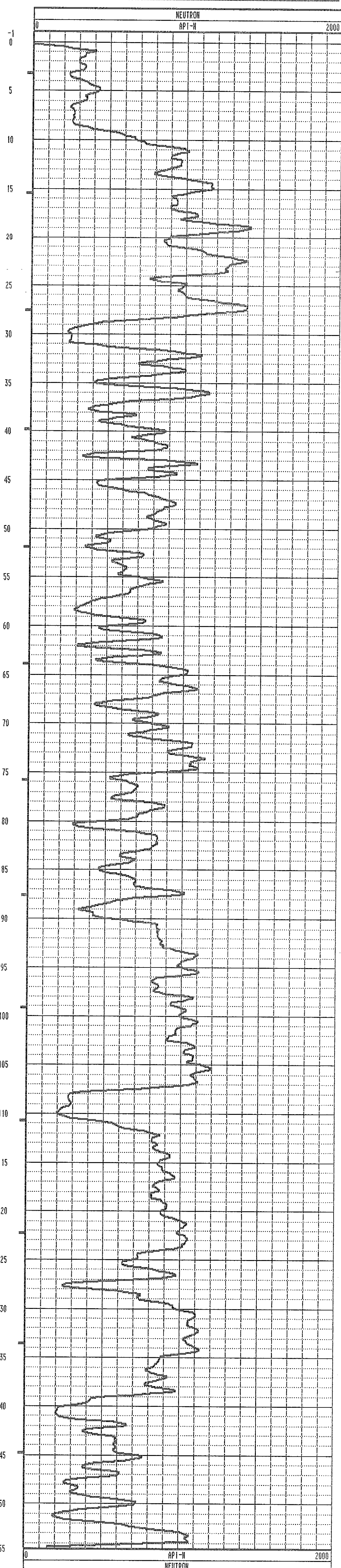
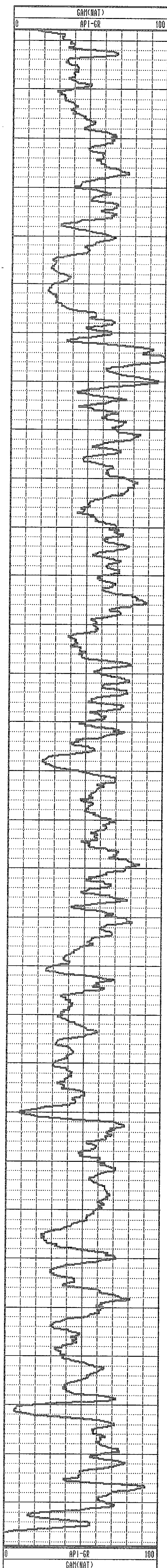
OTHER SERVICES:

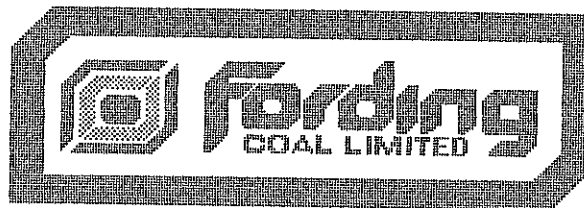
2307 25-7

DATE : 08/11/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 150 ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 154.60 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -0.80 DRL MEASURED FROM: GL :
 CASING DRILLER : 6 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : rk

BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 5
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :
 FLUID DENSITY : MATRIX DELTA T : FLUI : 7000 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

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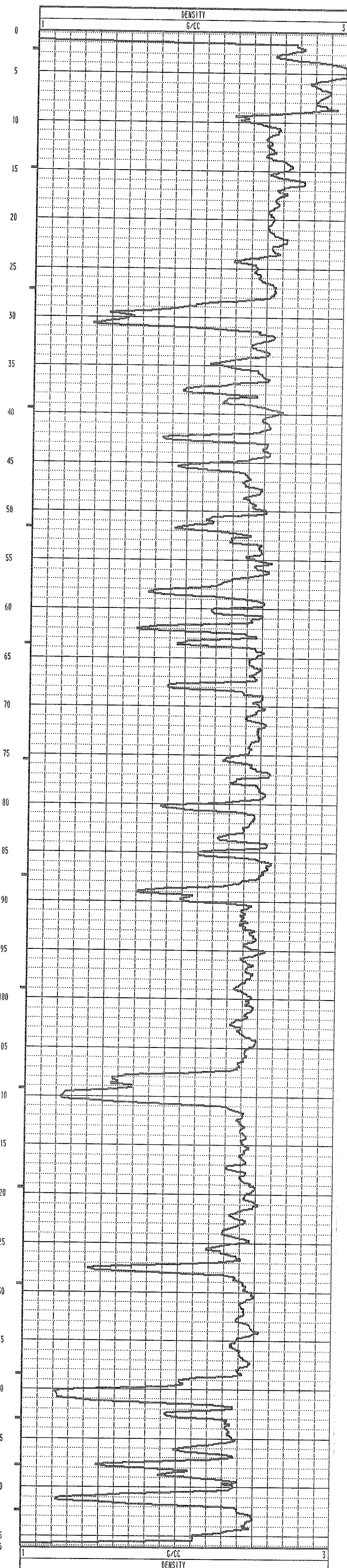
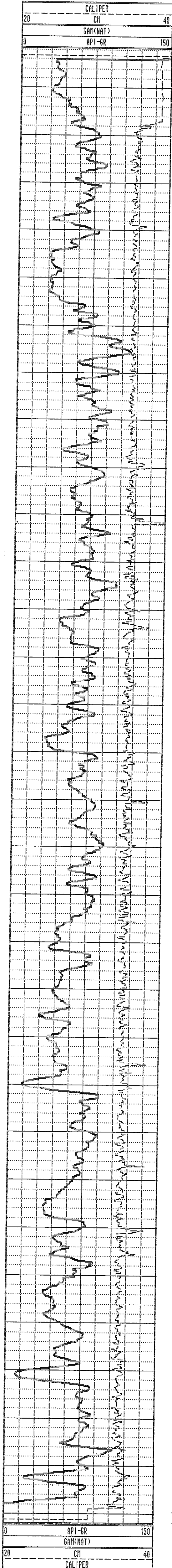


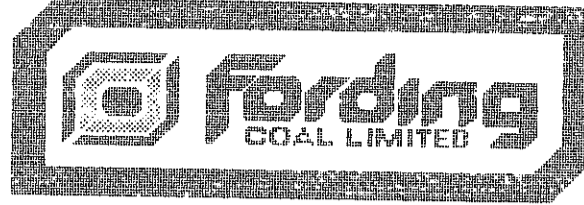


GAMMA-RES-DENSITY

<p>COMPANY : Fording Coal WELL : rh 2307 density henretta LOCATION/FIELD : henretta COUNTY : STATE : SECTION : TOWNSHIP : RANGE : DATE : 08/11/91 PERMANENT DATUM : DEPTH DRILLER : 150 ELEV. PERM. DATUM : LOG BOTTOM : 156.20 LOG MEASURED FROM: G.L. : LOG TOP : 1.00 DRL MEASURED FROM: : CASING DRILLER : 6 LOGGING UNIT : 379 CASING TYPE : Steel FIELD OFFICE : G.O. CASING THICKNESS: .03 RECORDED BY : rk</p> <p>BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL MAGNETIC DECL. : 21 RM : TYPE : 9032AA MATRIX DENSITY : RM TEMPERATURE : LOG : 5 FLUID DENSITY : MATRIX DELTA T : PLOT : 9032AA 0 NEUTRON MATRIX : FLUID DELTA T : THRESH: REMARKS :</p>	<p style="text-align: center;">OTHER SERVICES: 2307</p>
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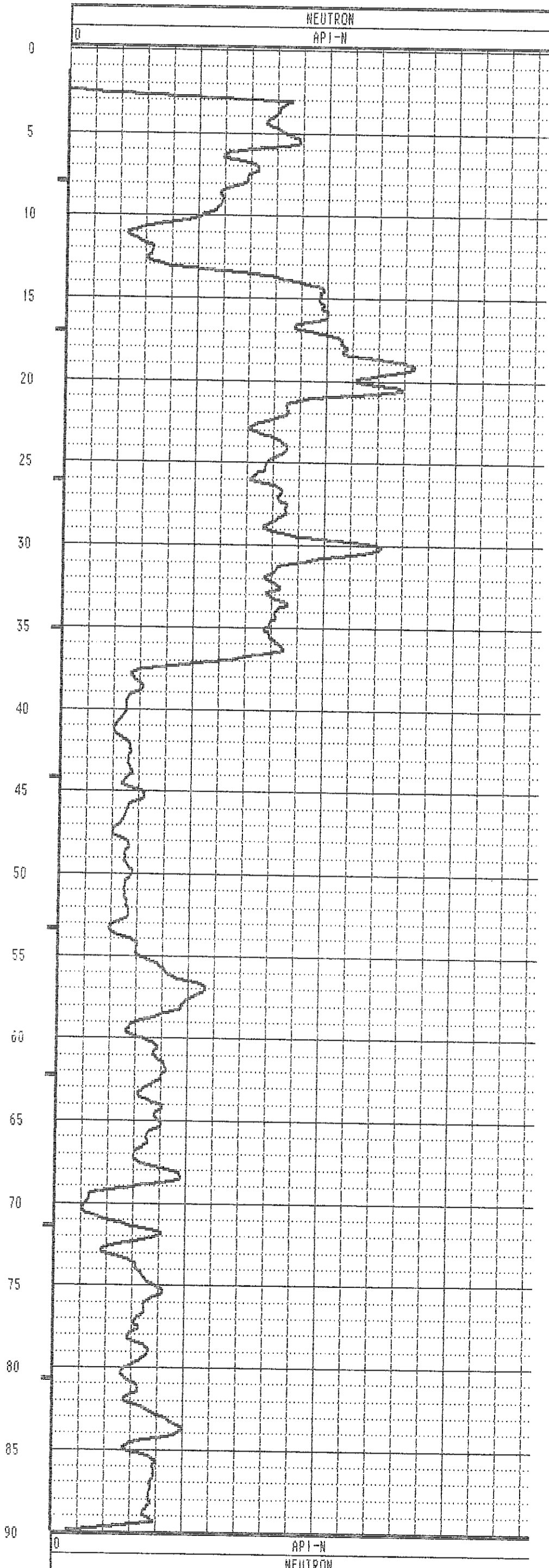
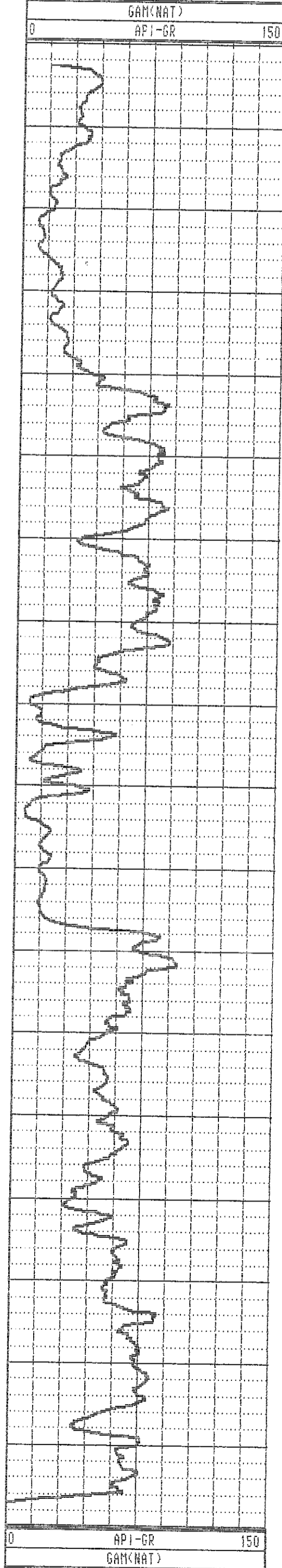


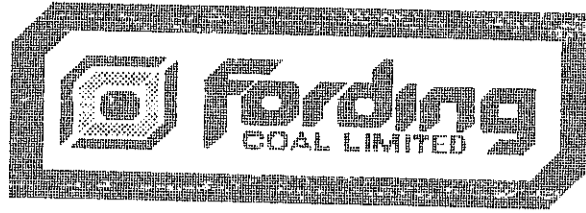
42-2

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2308 Henretta	2308
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/29/91	PERMANENT DATUM :
DEPTH DRILLER	: 91m	ELEV. PERM. DATUM:
LOG BOTTOM	: 90.10	LOG MEASURED FROM: G.L.
LOG TOP	: 1.40	DRL MEASURED FROM:
CASING DRILLER	: 9	LOGGING UNIT
CASING TYPE	: Steel	FIELD OFFICE
CASING THICKNESS	: .03	RECORDED BY
		: Raj Sharma
BIT SIZE	:	BOREHOLE FLUID
MAGNETIC DECL.	: 21	RM
MATRIX DENSITY	:	RM TEMPERATURE
FLUID DENSITY	:	MATRIX DELTA T
NEUTRON MATRIX	:	FLUID DELTA T
REMARKS	:	
		FILE : ORIGINAL
		TYPE : 9055A
		LOG : 2
		PLOT : 9055A
		THRESH:

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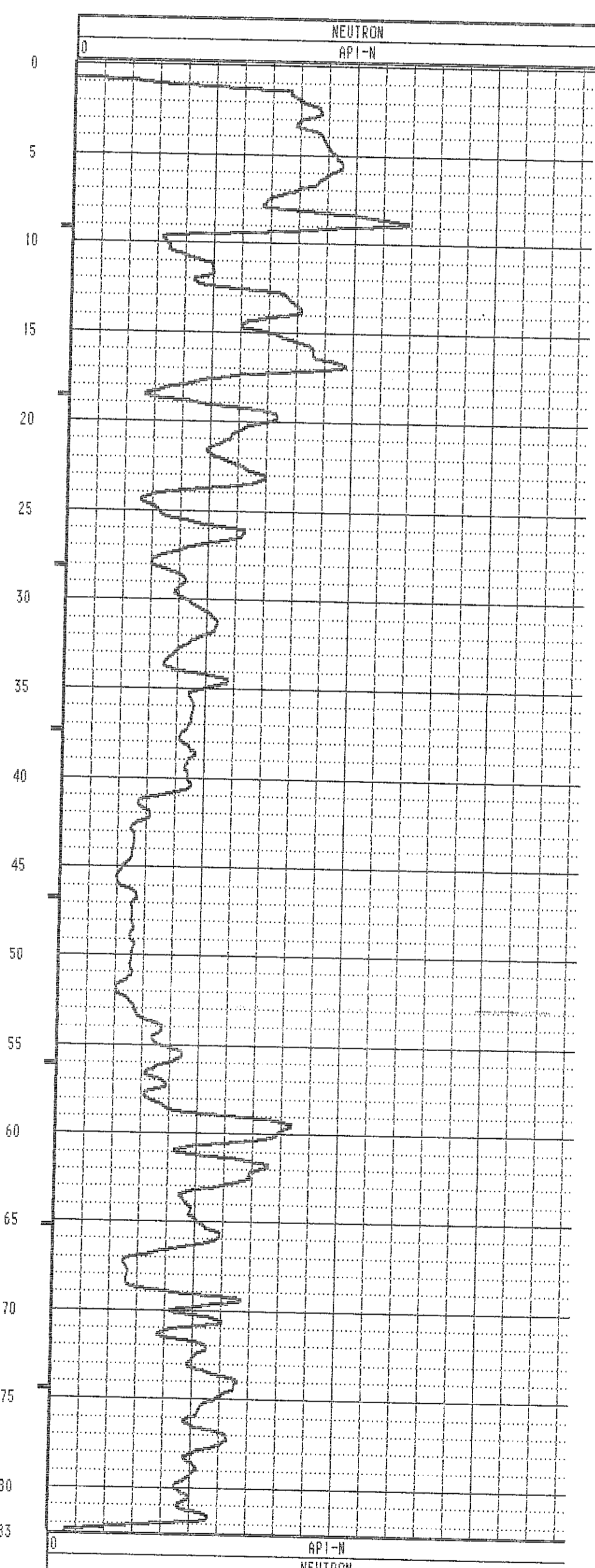
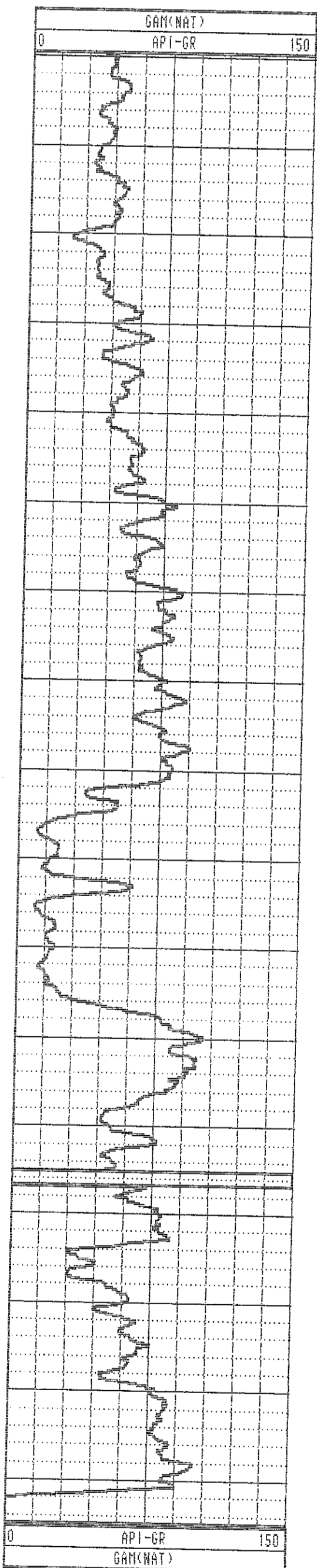


42-6

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2309 Neutron	2309
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/28/91 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 84 ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 82.60 LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -0.30 DRL MEASURED FROM:	GL :
CASING DRILLER	: 9 LOGGING UNIT	: 379
CASING TYPE	: Steel FIELD OFFICE	: G.O.
CASING THICKNESS	: .03 RECORDED BY	: Aaron Penman
BIT SIZE	: BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21 RM	: TYPE : 9055A
MATRIX DENSITY	: RM TEMPERATURE	: LOG : 2
FLUID DENSITY	: MATRIX DELTA T	: PLOT : 9055A
NEUTRON MATRIX	: FLUID DELTA T	: THRESH:
REMARKS	:	

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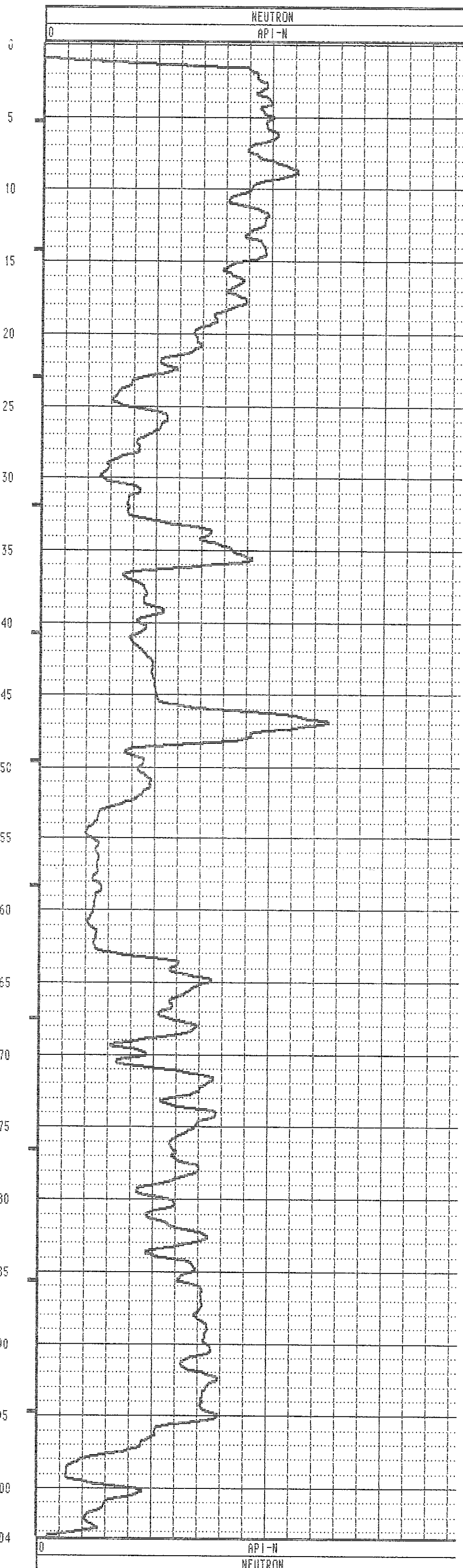
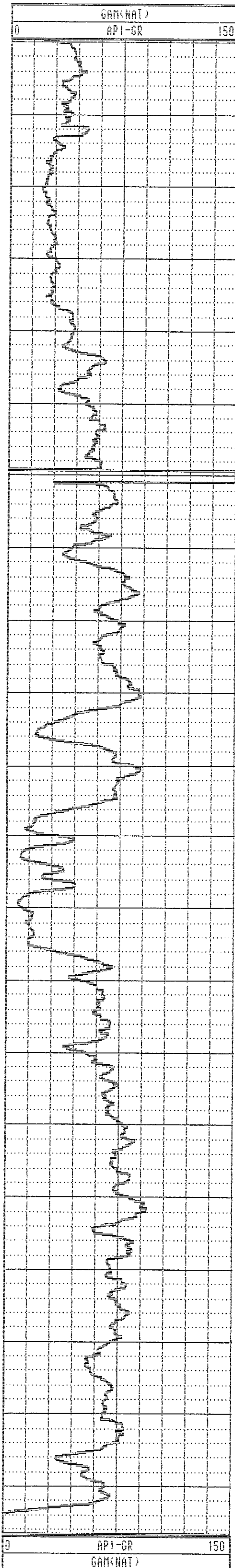


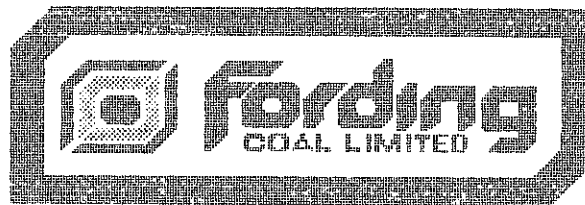
32-4

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2318 Henretta	2318
LOCATION/FIELD	: Henretta	
COUNTY	:	
STATE	:	
SECTION	:	TOWNSHIP : RANGE :
DATE	: 08/05/91	PERMANENT DATUM : ELEVATIONS
DEPTH DRILLER	: 99	ELEV. PERM. DATUM: KB :
LOG BOTTOM	: 103.50	LOG MEASURED FROM: G.L. DF :
LOG TOP	: -0.10	DRL MEASURED FROM: GL :
CASING DRILLER	: 6	LOGGING UNIT : 379
CASING TYPE	: Steel	FIELD OFFICE : G.O.
CASING THICKNESS	: .03	RECORDED BY : Raj Sharna
BIT SIZE	:	BOREHOLE FLUID : H2O FILE : ORIGINAL
MAGNETIC DECL.	:	RM TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE : LOG : 0
FLUID DENSITY	:	MATRIX DELTA T : PLOT : 9055A
NEUTRON MATRIX	:	FLUID DELTA T : THRESH:
REMARKS	:	

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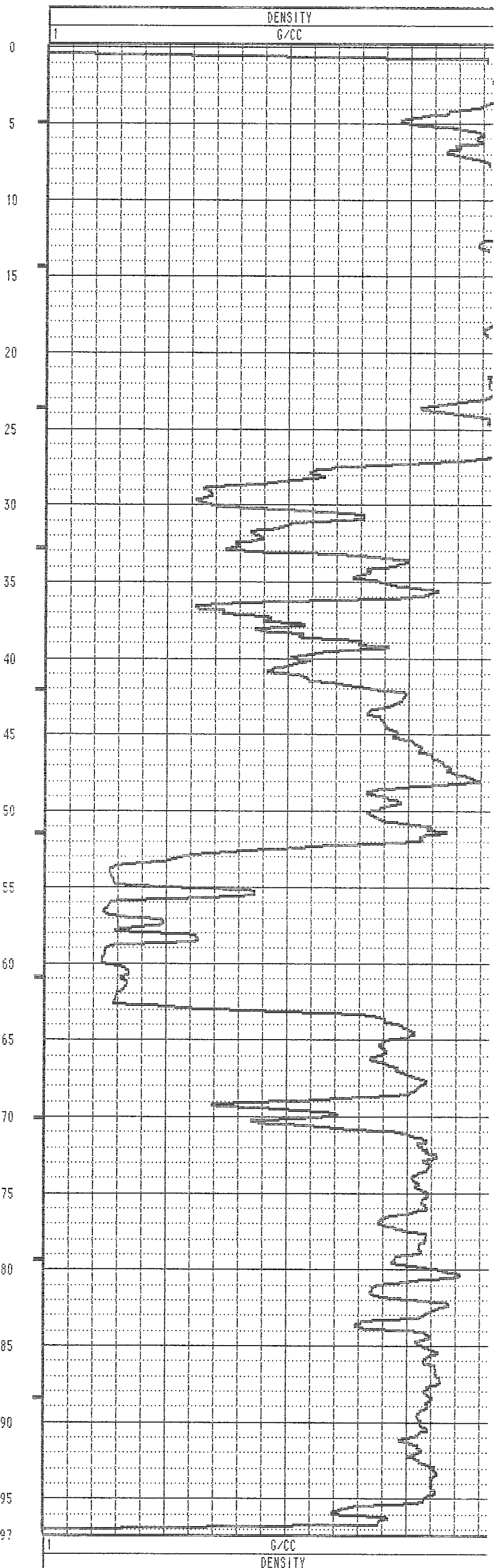
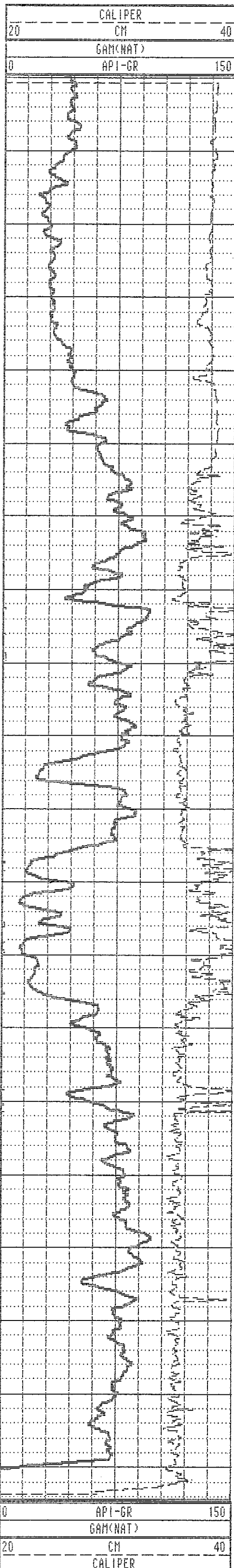


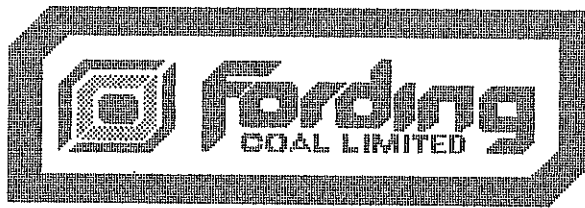


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2318 Henretta Den	2318
LOCATION/FIELD	: Henretta	
COUNTY	:	
STATE	:	
SECTION	:	TOWNSHIP :
		RANGE :
DATE	: 08/05/91	PERMANENT DATUM :
DEPTH DRILLER	: 99	ELEV. PERM. DATUM:
LOG BOTTOM	: 97.40	LOG MEASURED FROM: G.L.
LOG TOP	: -1.60	DRL MEASURED FROM:
		ELEVATIONS
		KB :
		DF :
		GL :
CASING DRILLER	: 6	LOGGING UNIT :
CASING TYPE	: Steel	FIELD OFFICE :
CASING THICKNESS:	.03	RECORDED BY :
		Raj Sharma
BIT SIZE	:	BOREHOLE FLUID :
MAGNETIC DECL.	:	RM :
MATRIX DENSITY	:	RM TEMPERATURE :
FLUID DENSITY	:	MATRIX DELTA T :
NEUTRON MATRIX	:	FLUID DELTA T :
REMARKS	:	FILE : ORIGINAL
		TYPE : 9032AA
		LOG : 3
		PLOT : 9032AA
		THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





15-2

GAMMA-RES-DENSITY

COMPANY : Fording Coal
 WELL : R.H.2320
 LOCATION/FIELD : Henretta
 COUNTY :
 STATE :
 SECTION :

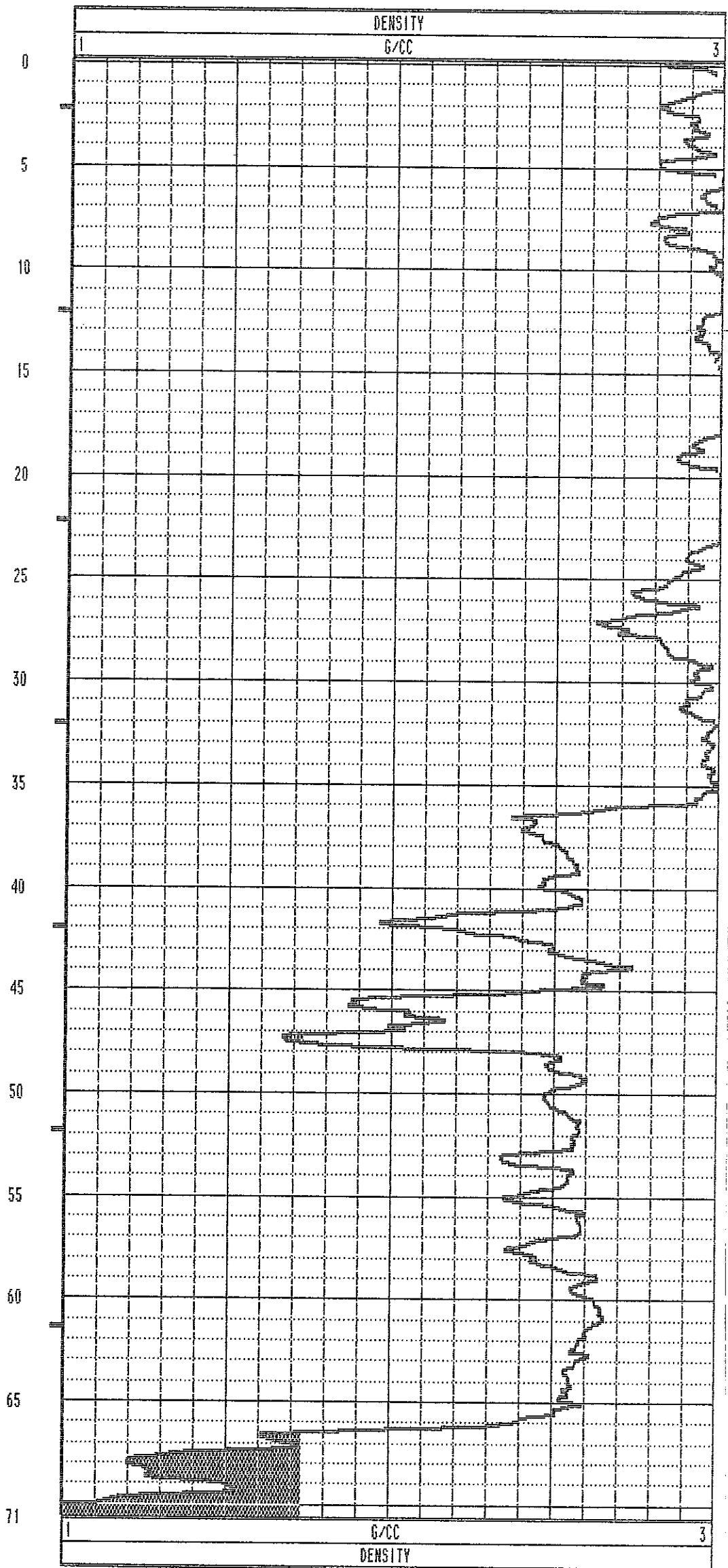
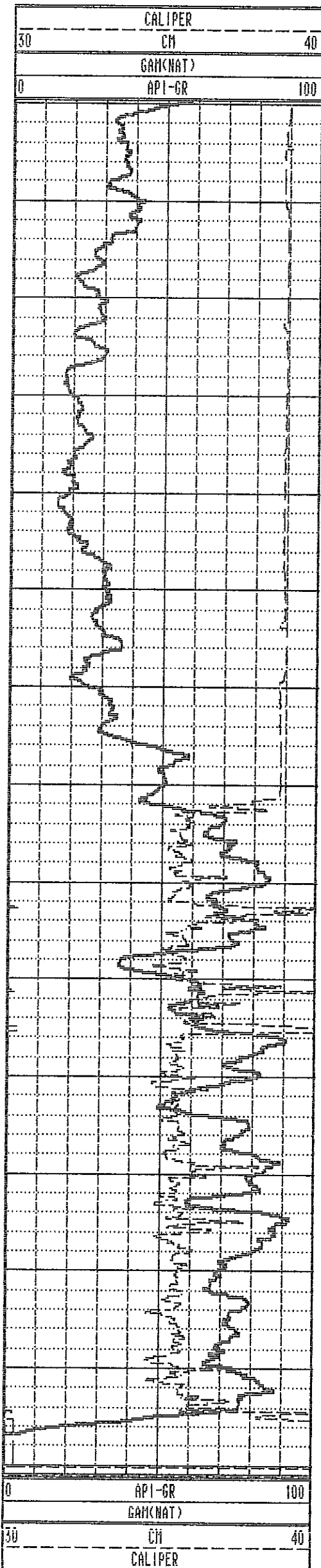
OTHER SERVICES:
 R.H.2320
 Henretta
 Den. 2320

DATE : 08/10/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 189 ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 70.70 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -2.90 DRL MEASURED FROM: GL :
 CASING DRILLER : 35.0 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Sandy

BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 2
 FLUID DENSITY : MATRIX DELTA T : PLOT : SHADE @
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

Open Hole Log

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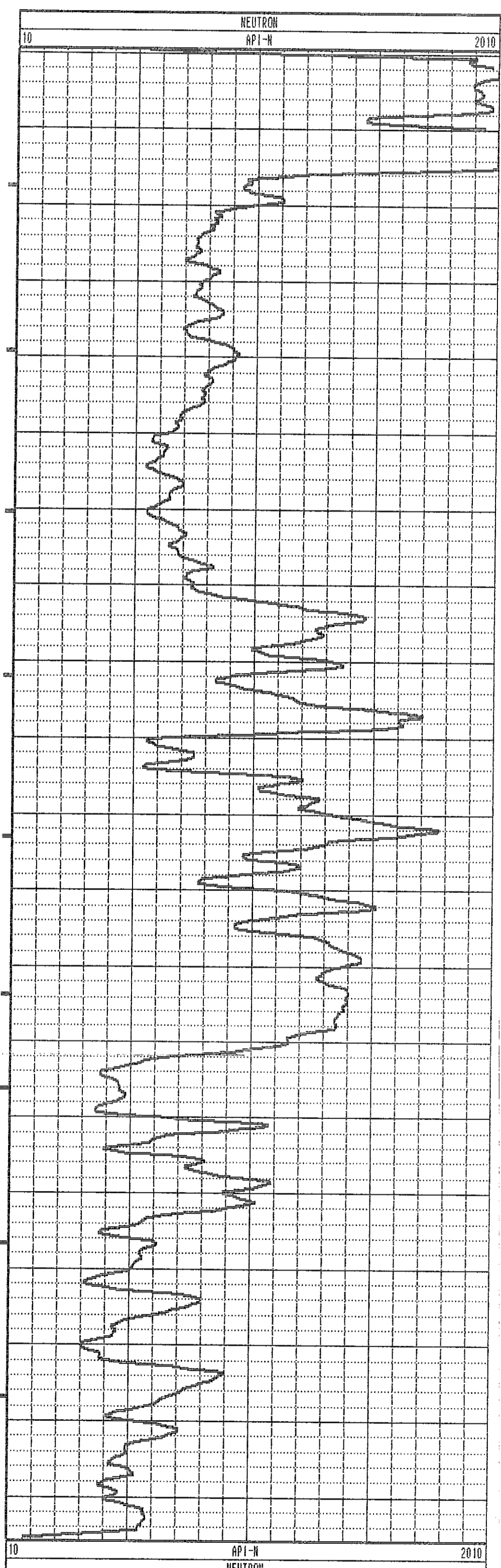
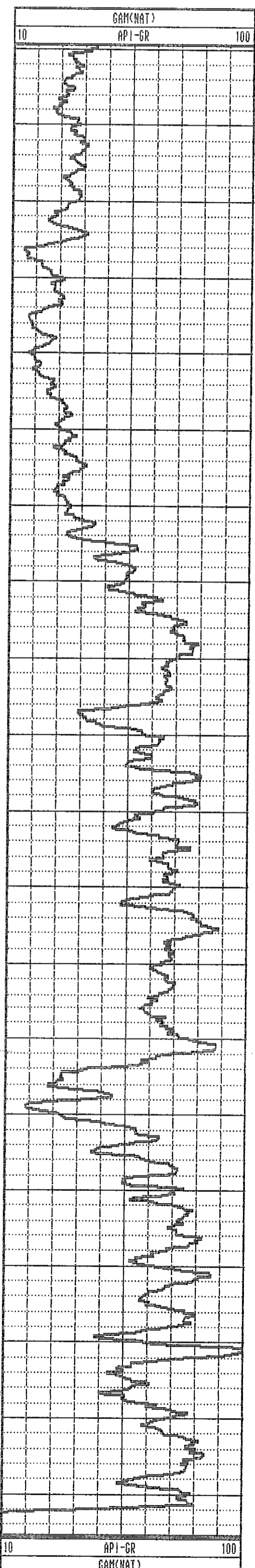


GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H. 2320	R.H.2320	
LOCATION/FIELD	: Henretta	Henretta	
COUNTY	:	G/N 2320	
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 08/10/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 189	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 97.90	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -1.40	DRL MEASURED FROM:	GL :
CASING DRILLER	:	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Sandy
BIT SIZE	:	BOREHOLE FLUID	: H2O FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 9
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A 0
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

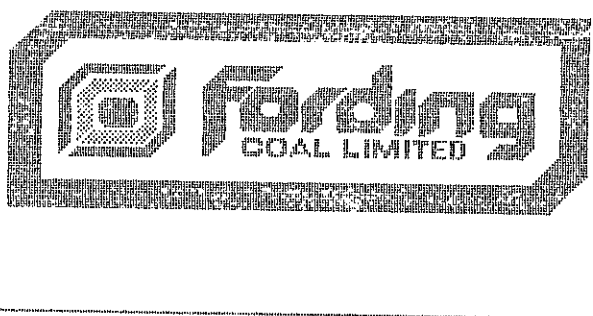
Through steel log

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



R.H. 2320 08/10/91 232

105-19

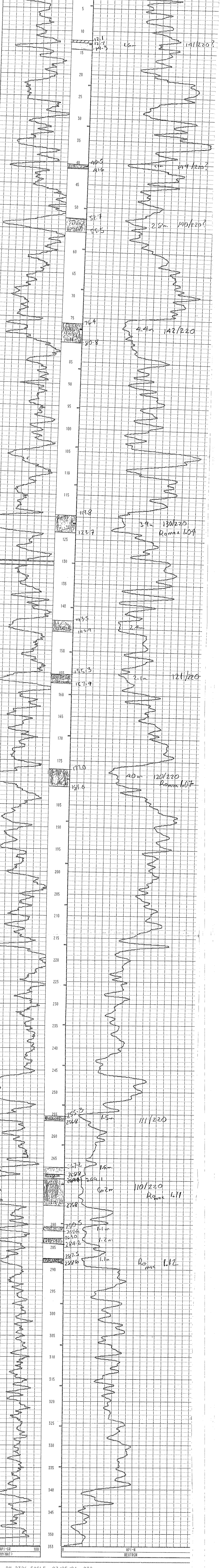


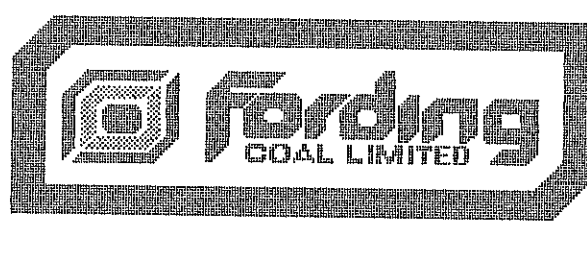
149,401.6 N
26,497.7 E
el. 2166.3 m

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2326 Eagle		
LOCATION/FIELD	: Eagle		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	: TOWNSHIP	RANGE	:
DATE	: 07/25/91	PERMANENT DATUM	:
DEPTH DRILLER	: 350m	ELEV. PERM. DATUM:	KB
LOG BOTTOM	: 352.90	LOG MEASURED FROM: G.L.	DF
LOG TOP	: 1.40	DRL MEASURED FROM:	GL
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Raj Sharma
BIT SIZE	:	BOREHOLE FLUID	: H2o
MAGNETIC DECL.	: 21	RH	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 5
		PLOT	: 9055A
		THRESH:	

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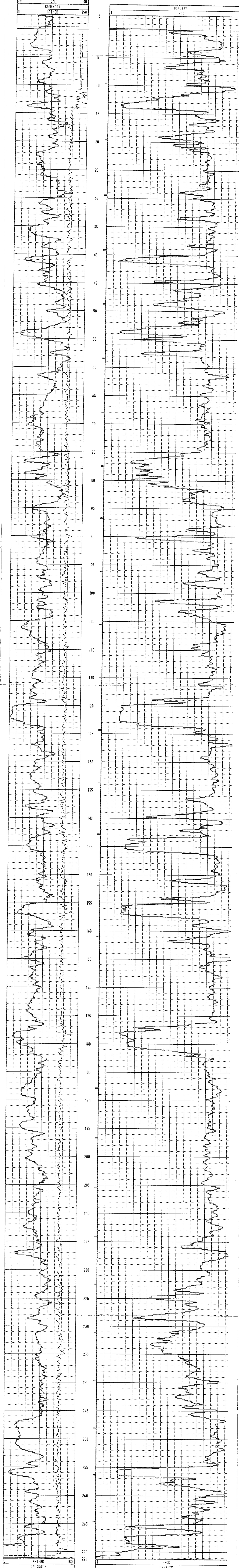


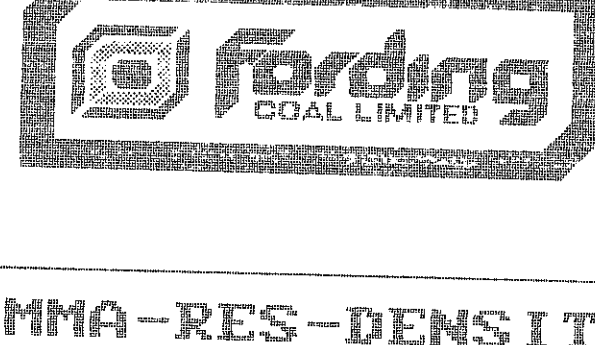


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2326 Eagle		RH 2326
LOCATION/FIELD	: Eagle		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	: TOWNSHIP	: RANGE	:
DATE	: 07/26/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 350m	ELEV. PERM. DATUM	: KB
LOG BOTTOM	: 271.30	LOG MEASURED FROM	: G.L. DF
LOG TOP	: -2.30	DRL MEASURED FROM	: GL
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Aaron Penman
BIT SIZE	:	BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9032AA
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 0
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9032AA
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

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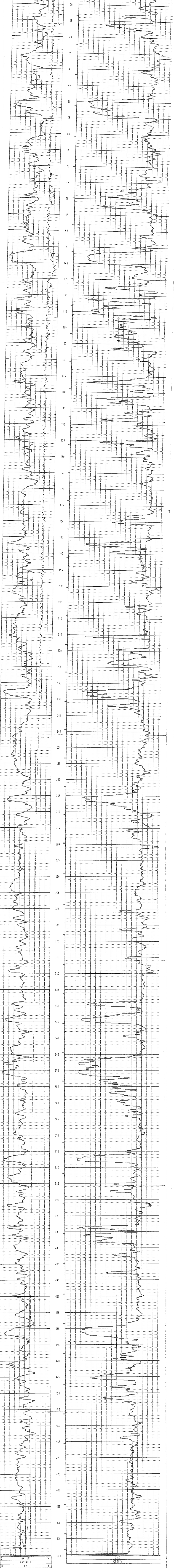


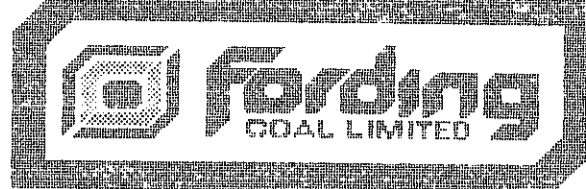
178-31

GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2328 Eagle Density 2		
LOCATION/FIELD	: Eagle		
COUNTY	: E. Kootenay	2328	
STATE	: B.C.		
SECTION	: TOWNSHIP	RANGE	:
DATE	: 07/24/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 500%	ELEV. PERM. DATUM	: KB
LOG BOTTOM	: 500.40	LOG MEASURED FROM	: G.L.
LOG TOP	: 0.50	DRL MEASURED FROM	: DF
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Raj Sharma
BIT SIZE	:	BOREHOLE FLUID	: H2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9032AA
		LOG	: 3
		PLOT	: 9032AA
		THRESH	:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



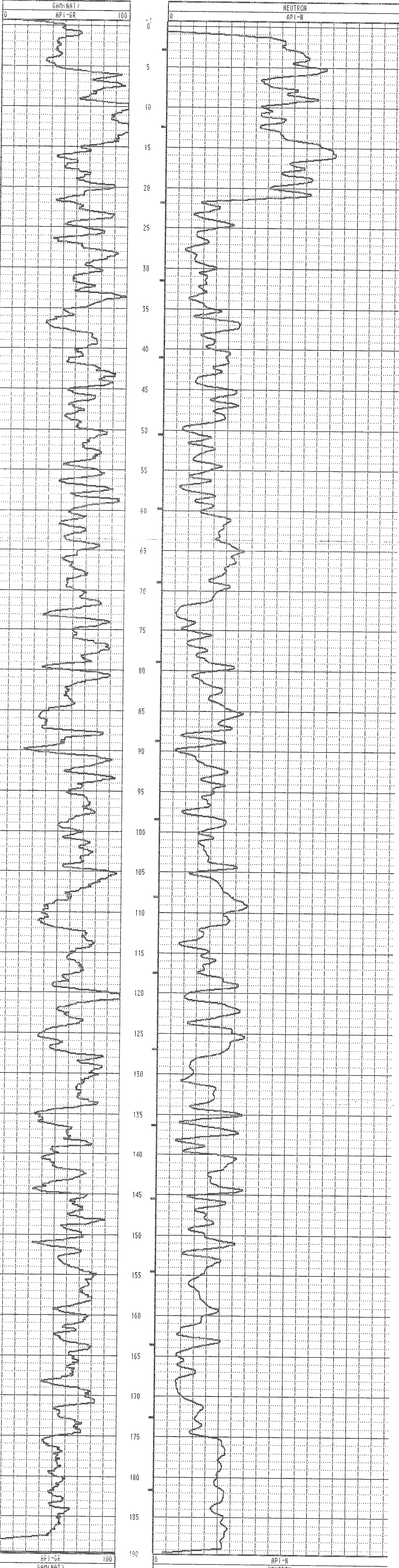


10-5

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2310 Neutron Henretta	RH 2310	
LOCATION/FIELD	: Henretta		
COUNTY	:		
STATE	:		
SECTION	: TOWNSHIP	: RANGE	
DATE	: 08/02/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 188	ELEV. PERM. DATUM	: KB
LOG BOTTOM	: 189.60	LOG MEASURED FROM	: G.L. DF
LOG TOP	: -0.40	DRL MEASURED FROM	: GL
CASING DRILLER	: 3	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Aaron Penman
BIT SIZE	:	BOREHOLE FLUID	: H2O FILE : ORIGINAL
MAGNETIC DECL.	:	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 0
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

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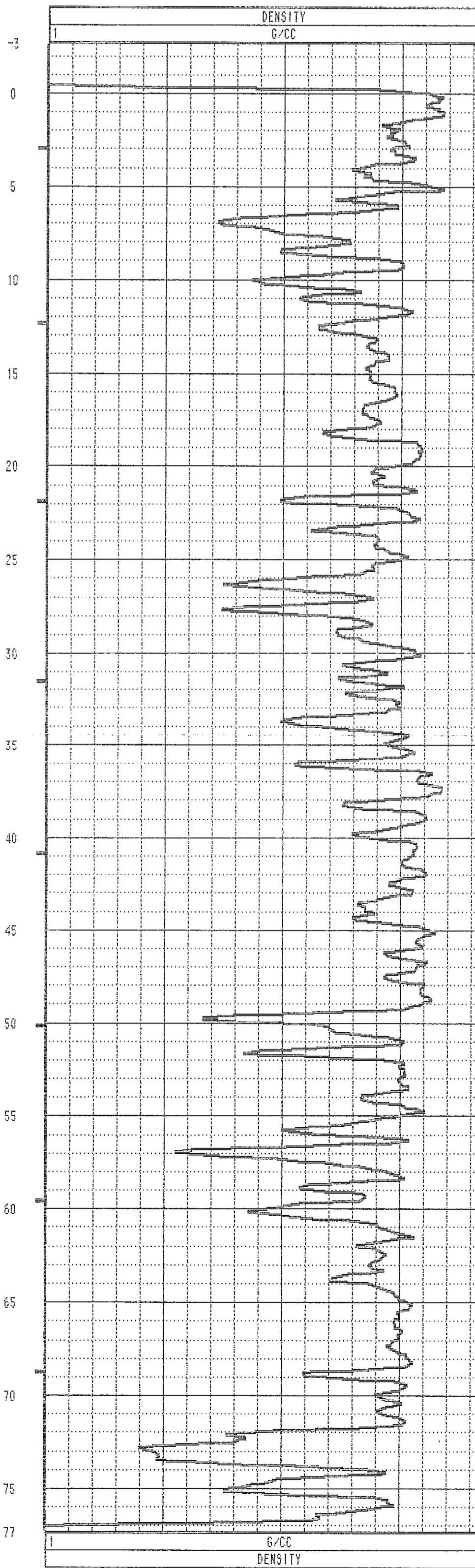
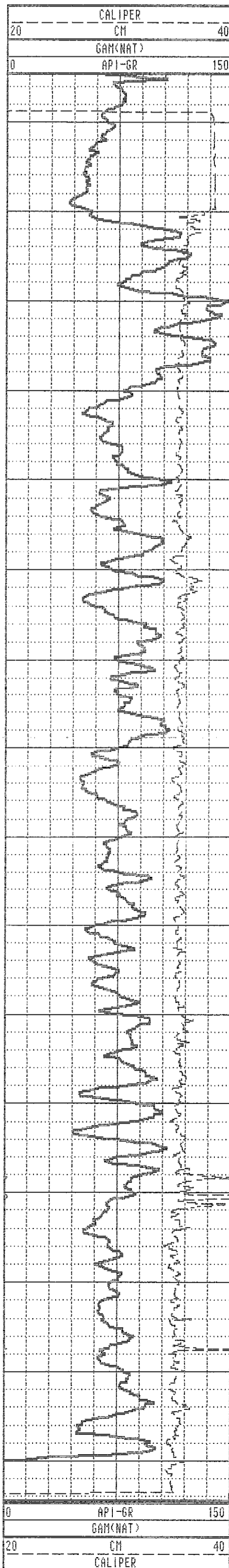


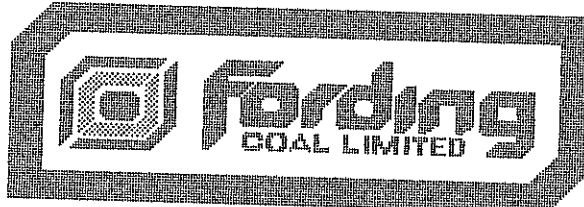


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2310 Density	RH 2310 HOLE SLOUGHED
LOCATION/FIELD	: Henretta	
COUNTY	:	
STATE	:	
SECTION	:	TOWNSHIP :
		RANGE :
DATE	: 08/03/91	PERMANENT DATUM :
DEPTH DRILLER	: 188	ELEV. PERM. DATUM:
LOG BOTTOM	: 77.40	LOG MEASURED FROM: G.L.
LOG TOP	: -2.50	DRL MEASURED FROM:
		ELEVATIONS
		KB :
		DF :
		GL :
CASING DRILLER	: 3	LOGGING UNIT :
CASING TYPE	: Steel	FIELD OFFICE :
CASING THICKNESS:	.03	RECORDED BY :
		Aaron Pennan
BIT SIZE	:	BOREHOLE FLUID :
MAGNETIC DECL.	:	RM :
MATRIX DENSITY	:	RM TEMPERATURE :
FLUID DENSITY	:	MATRIX DELTA T :
NEUTRON MATRIX	:	FLUID DELTA T :
REMARKS	:	FILE :
		TYPE :
		LOG :
		PLOT :
		THRESH:

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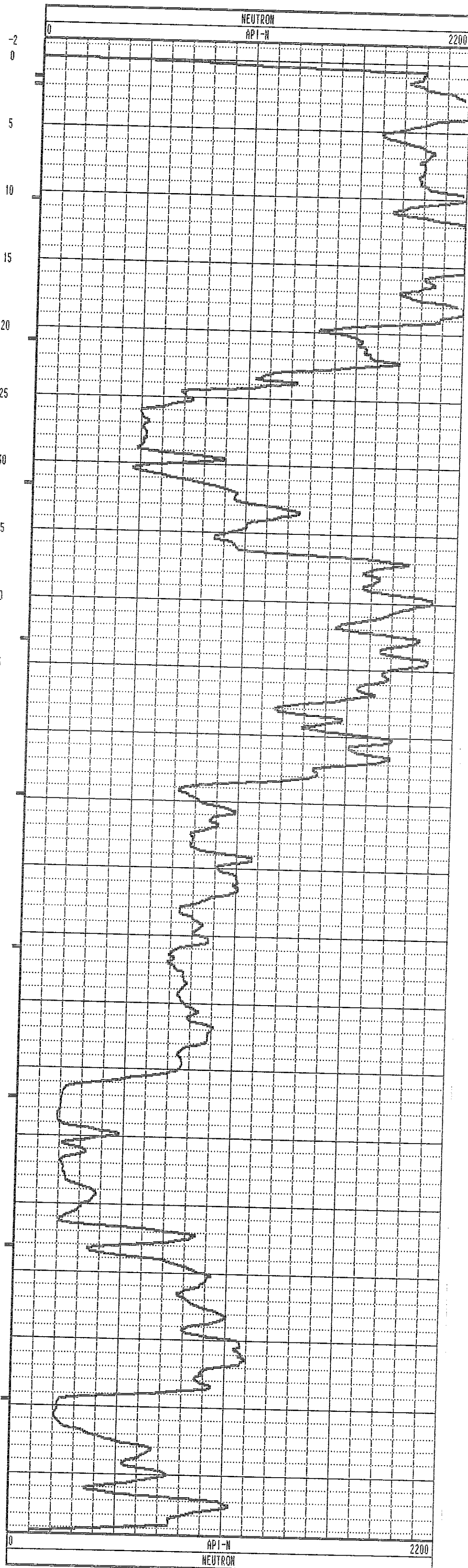
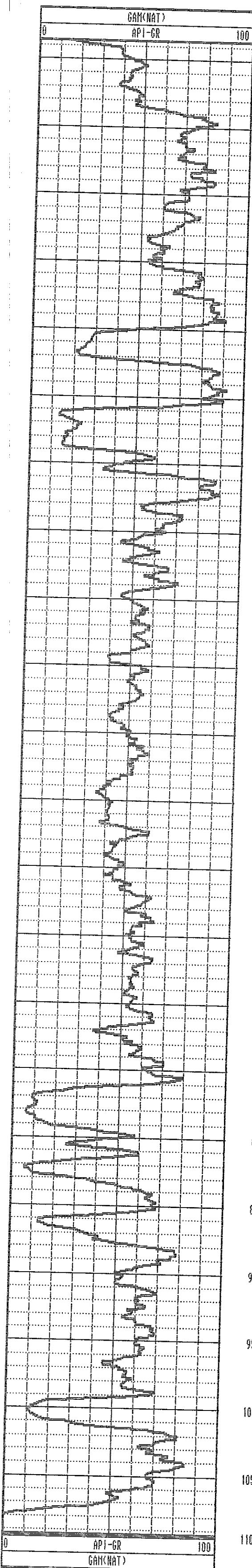


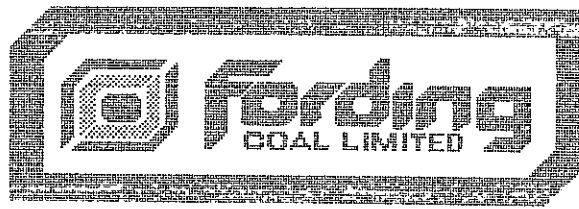
54-7

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2316 Neu. henretta	2316
LOCATION/FIELD	: castle	
COUNTY	:	
STATE	:	
SECTION	:	
	TOWNSHIP :	RANGE :
DATE	: 08/14/91 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 150 ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 109.50 LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -1.10 DRL MEASURED FROM:	GL :
CASING DRILLER	: 6 LOGGING UNIT : 379	
CASING TYPE	: Steel FIELD OFFICE : G.O.	
CASING THICKNESS	: .03 RECORDED BY : rk	
BIT SIZE	:	FILE : PROCESSED
MAGNETIC DECL.	: 21 BOREHOLE FLUID : H2O	TYPE : 9055A
MATRIX DENSITY	:	LOG : 9
FLUID DENSITY	:	PLOT : 9055A 0
NEUTRON MATRIX	:	THRESH:
REMARKS	:	

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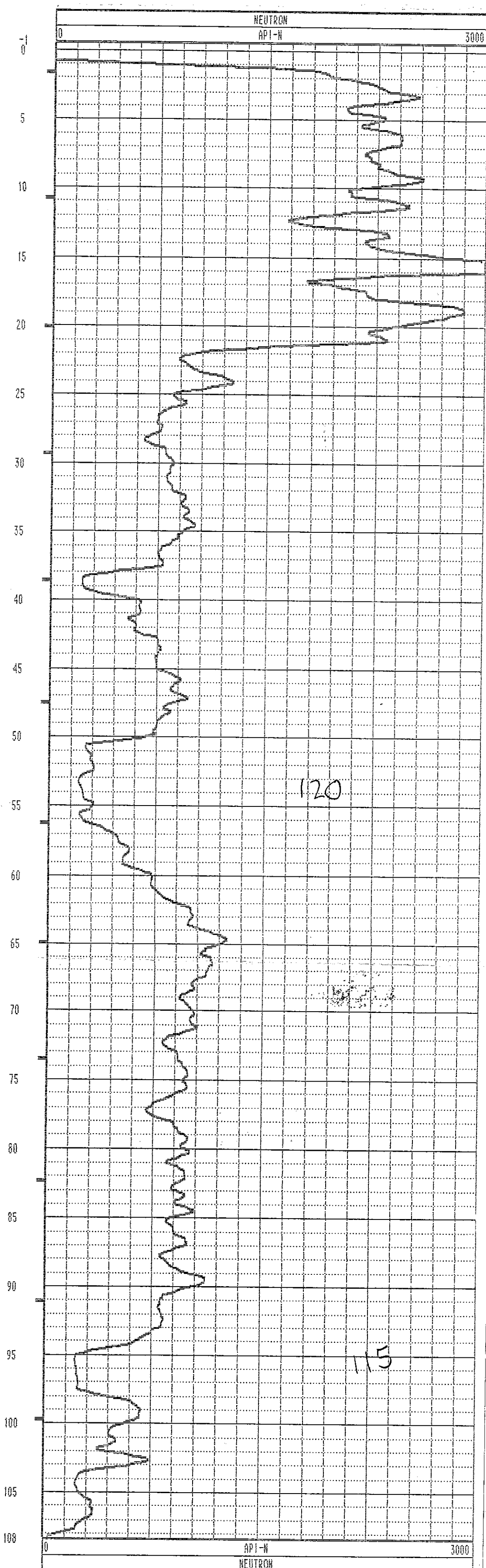
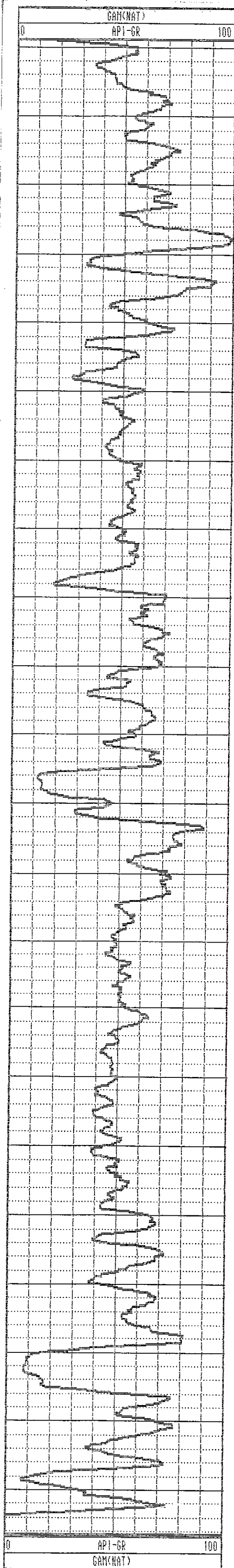




GAMMA-NEUTRON

COMPANY : Fording Coal WELL : RH 2317 Henretta LOCATION/FIELD : henretta COUNTY : STATE : SECTION : TOWNSHIP : RANGE :	OTHER SERVICES: <div style="font-size: 1.5em; font-weight: bold; text-align: center;">RH #2317</div>
DATE : 08/15/91 PERMANENT DATUM : ELEVATIONS DEPTH DRILLER : 110m ELEV. PERM. DATUM: KB : LOG BOTTOM : 108.40 LOG MEASURED FROM: G.L. DF : LOG TOP : -0.30 DRL MEASURED FROM: GL :	
CASING DRILLER : 6 LOGGING UNIT : 379 CASING TYPE : Steel FIELD OFFICE : G.O. CASING THICKNESS: .03 RECORDED BY : Raj Sharma	
BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL MAGNETIC DECL. : 21 RM : TYPE : 9055A MATRIX DENSITY : RM TEMPERATURE : LOG : 7 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A @ NEUTRON MATRIX : FLUID DELTA T : THRESH:	
REMARKS :	

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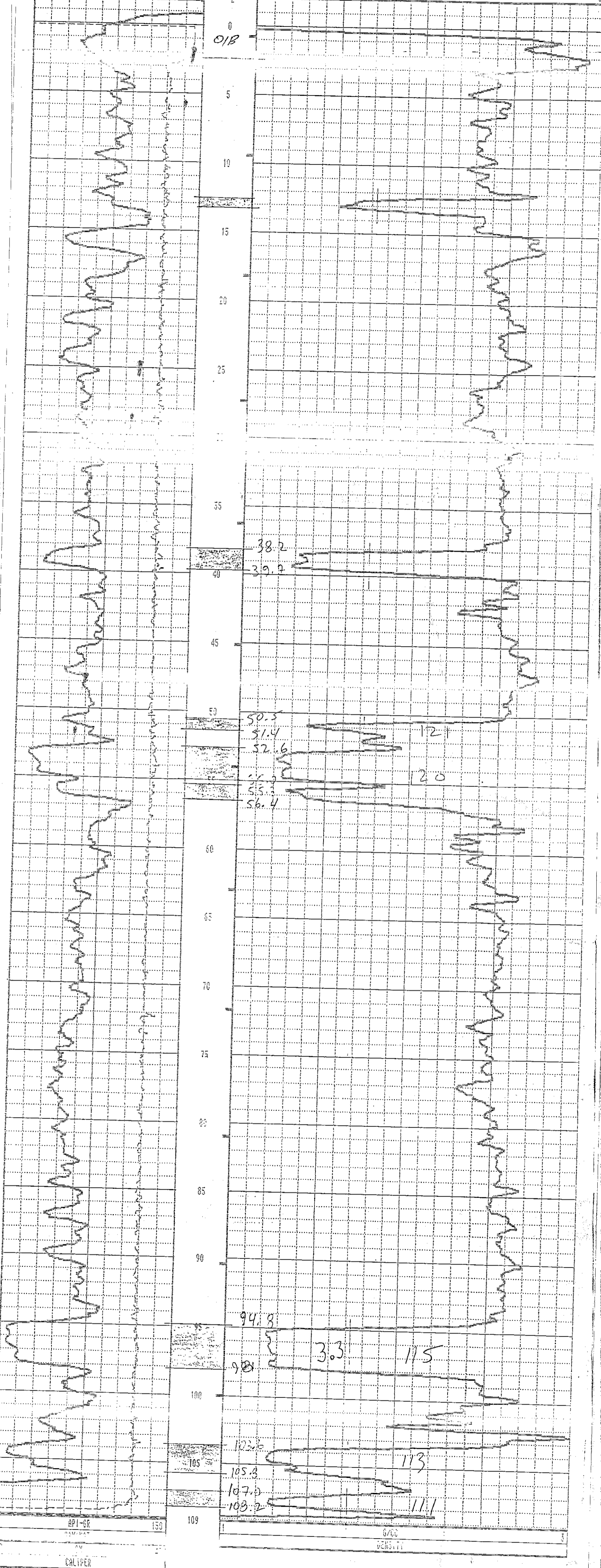


RH #2317 Gamma-Ray-Density

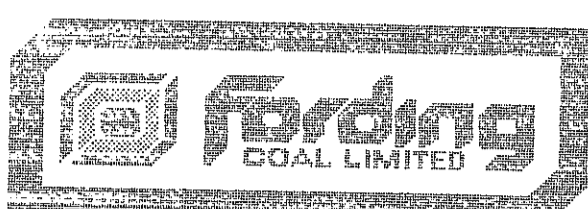
CALIPER	
20	40
CH	
BAR/CHART	
API-GR	150

DENSITY	
G/CC	

01B



2319

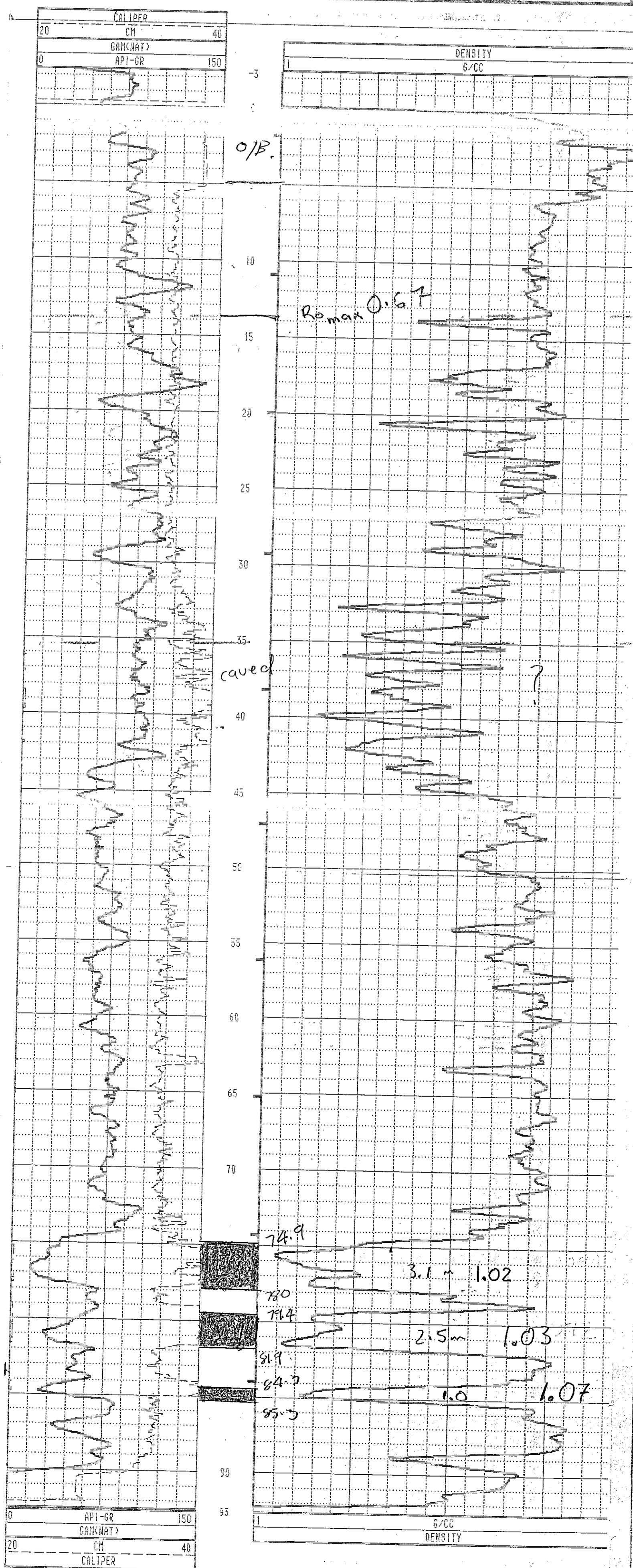
30-13


154064.05
23730.34
1726.48

GAMMA-RES-DENSITY

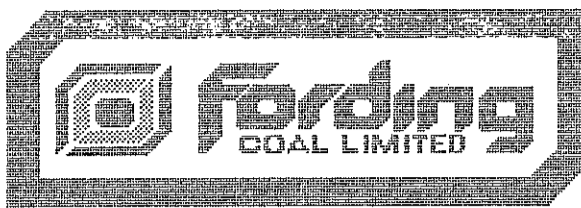
<p>COMPANY : Fording Coal ME : LOG : COAL : STATE : SECTION : DATE : 08/04/91 DEPTH DRILLER : 99 LOG BOTTOM : 92.70 LOG TOP : -2.20 CASING DRILLER : 6 CASING TYPE : Steel CASING THICKNESS : .03 BIT SIZE : MAGNETIC DECL. : MA : FL : NEUTRON MATRIX : REMARKS :</p>	<p>OTHER SERVICES: RH 2319 TOWNSHIP : RANGE : PERMANENT DATUM : ELEV. PERM. DATUM : LOG MEASURED FROM: G.L. DRL MEASURED FROM: LOGGING UNIT : 379 FIELD OFFICE : G.O. RECORDED BY : Aaron Penman BOREHOLE FLUID : H2O RM : FILE : ORIGINAL TYPE : 9032AA THRESH :</p>
--	---

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2311

85-10

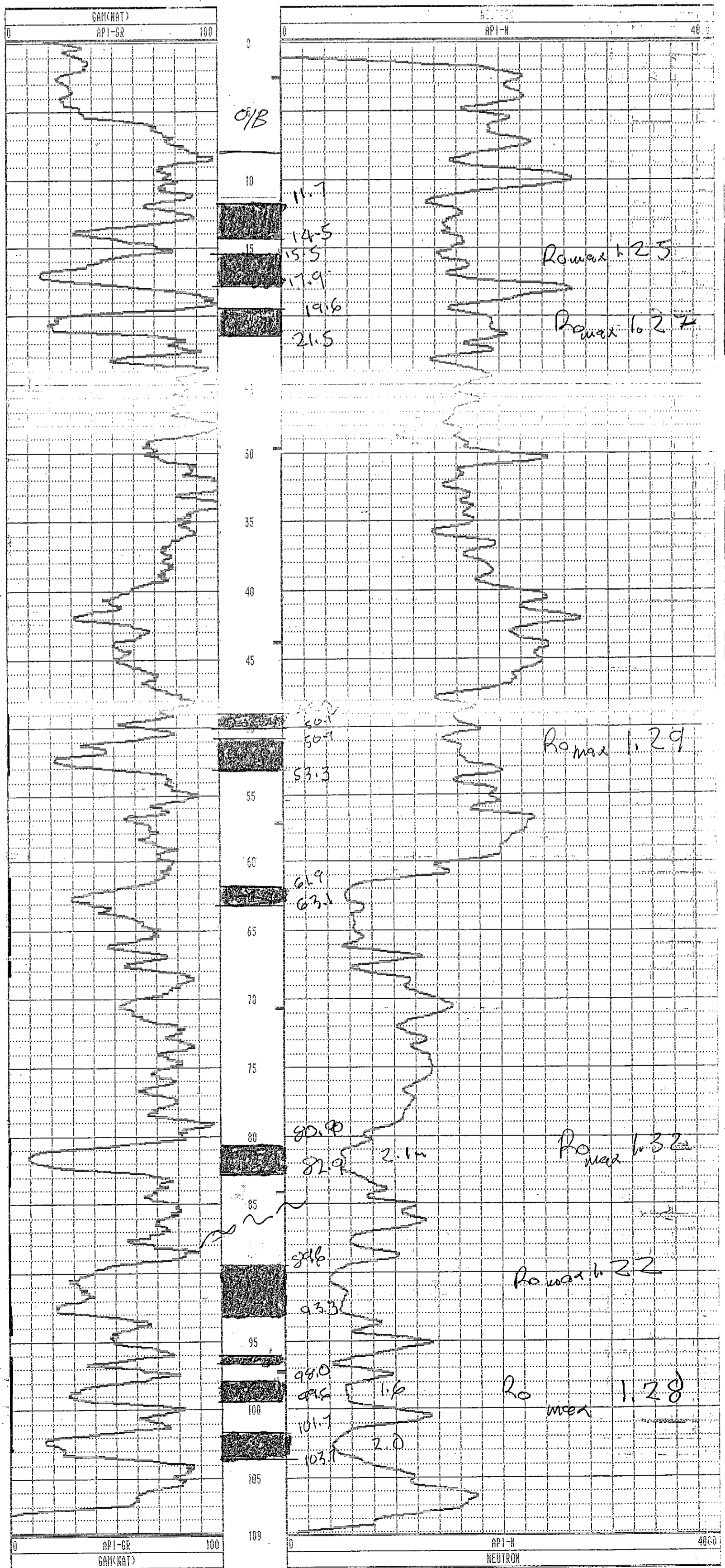


154415.76
25112.04
1783.94

GAMMA-NEUTRON

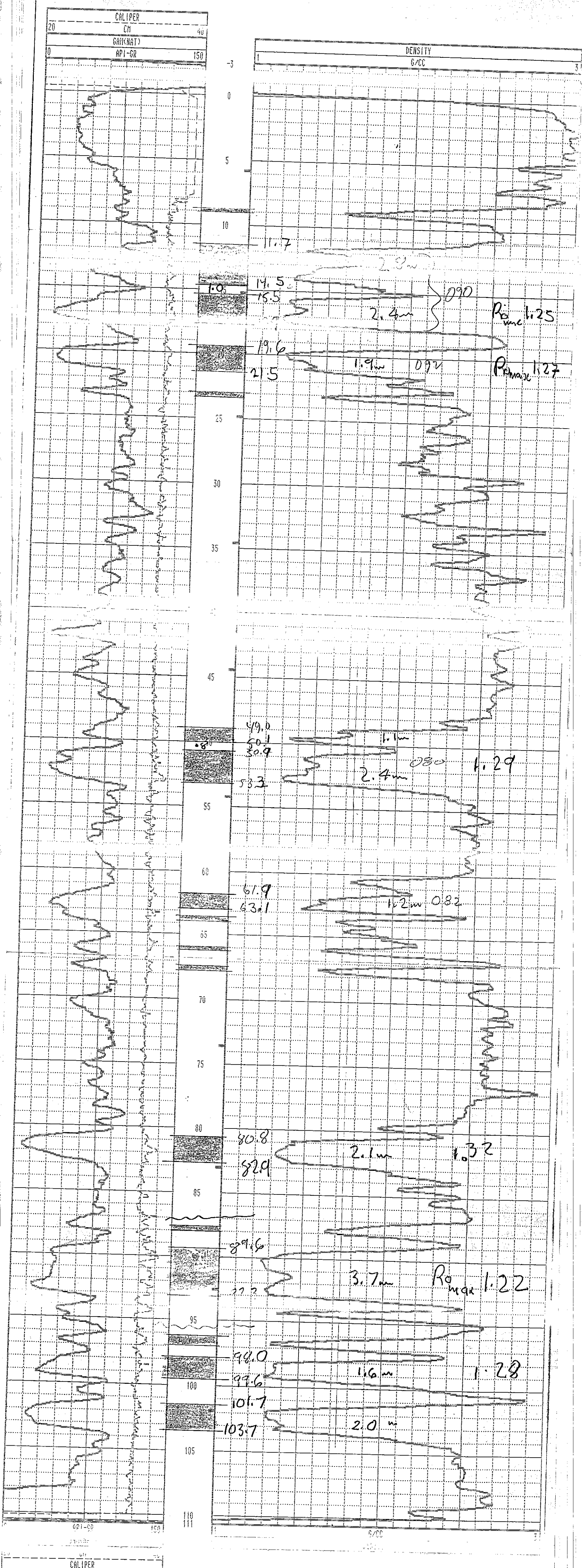
COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2311 NEUTRON		RH 2311
LOCATION/FIELD	: Castle Mt		
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 08/19/91	PERMANENT DATUM	:
DEPTH DRILLER	: 250	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 109.20	LOG MEASURED FROM:	G.L. DF :
LOG TOP	: 0.00	DRL MEASURED FROM:	GL :
CASING DRILLER	: 8.0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 2
		PLOT	: 9055A 0
		THRESH:	

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RH # 2311

Gamma-Res-Density



65-10
07-10



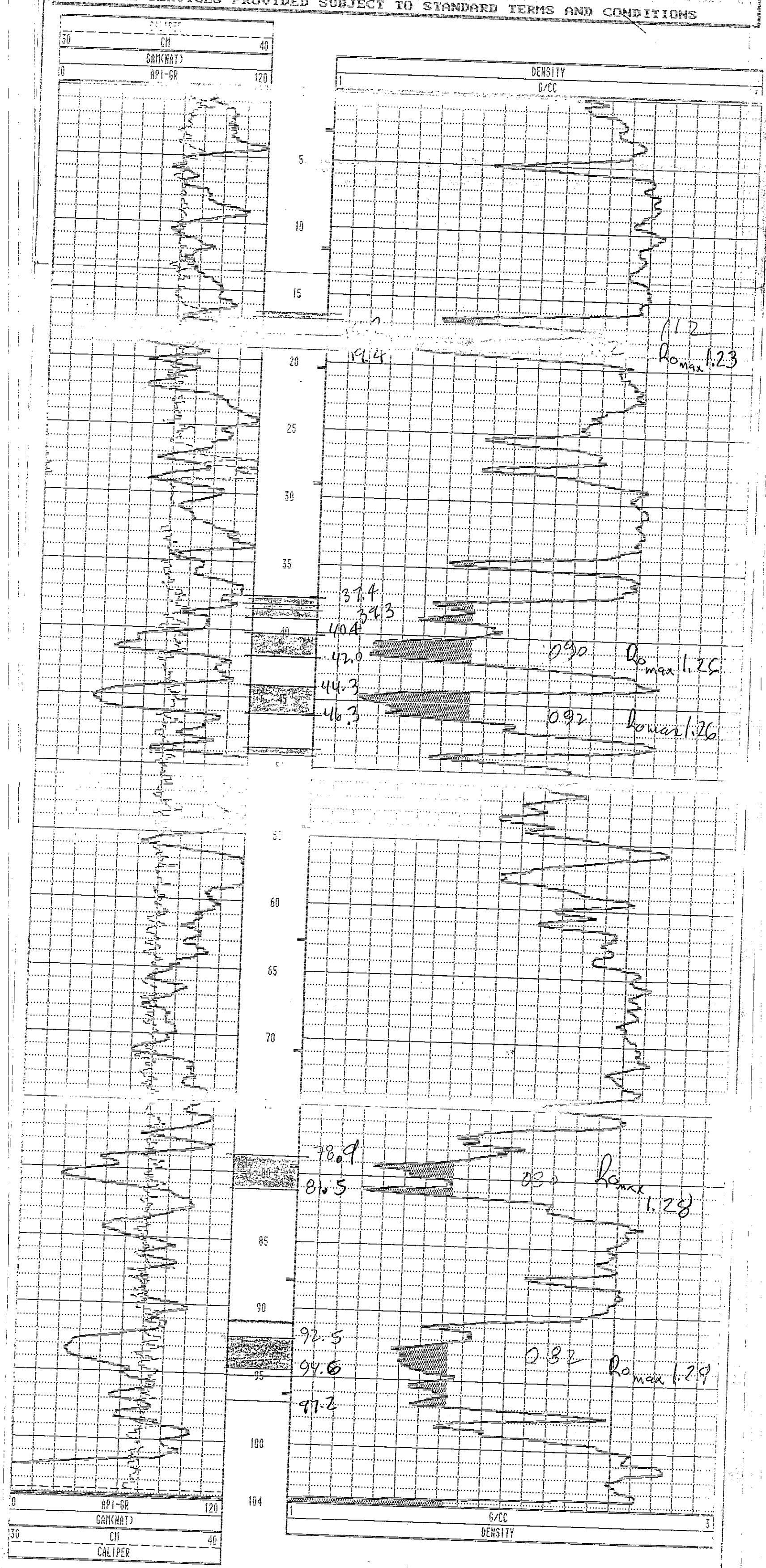
154575.49
25092.21
1829.04

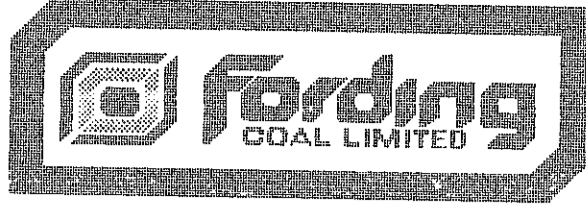
2314

GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2314	RH2314
LOCATION/FIELD	: Henretta	Henretta
COUNTY	:	Den.
STATE	:	
SECTION	:	
	TOWNSHIP :	RANGE :
DATE	: 08/18/91 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 115	KB :
LOG BOTTOM	: 104.30 LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -2.50 DRL MEASURED FROM:	GL :
CASING DRILLER	: 5	LOGGING UNIT :
CASING TYPE	: Steel	FIELD OFFICE :
CASING THICKNESS	: .03	RECORDED BY :
		Sandy
BIT SIZE	:	FILE : ORIGINAL
MAGNETIC DECL.	: 21	TYPE : 9032AA
MATRIX DENSITY	:	LOG : 4
FLUID DENSITY	:	PLOT : SHADE 0
NEUTRON MATRIX	:	THRESH:
REMARKS	:	
	BOREHOLE FLUID	: H2O
	RM	:
	RM TEMPERATURE	:
	MATRIX DELTA T	:
	FLUID DELTA T	:

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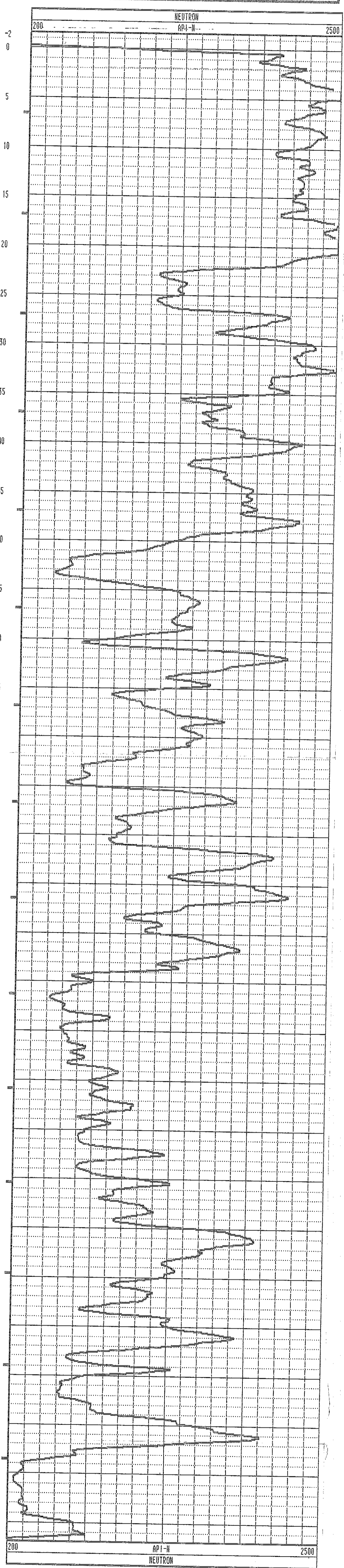
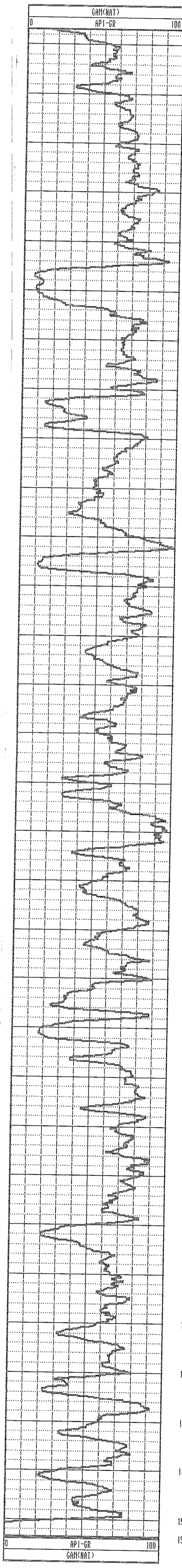


75-10

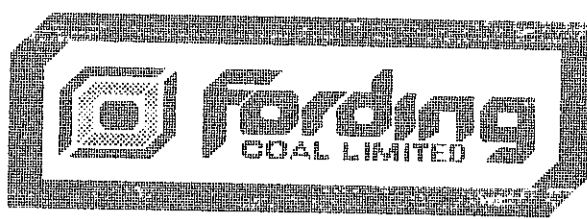
GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2321	RH2321	
LOCATION/FIELD	: Henretta	Henretta	
COUNTY	:	G/N	2321
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 08/17/91	PERMANENT DATUM	:
DEPTH DRILLER	: 150	ELEV. PERM. DATUM:	ELEVATIONS
LOG BOTTOM	: 151.90	LOG MEASURED FROM:	G.L.
LOG TOP	: -1.30	DRL MEASURED FROM:	GL
CASING DRILLER	: 5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Sandy
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:		
		FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 1
		PLOT	: 9055A 0
		THRESH:	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



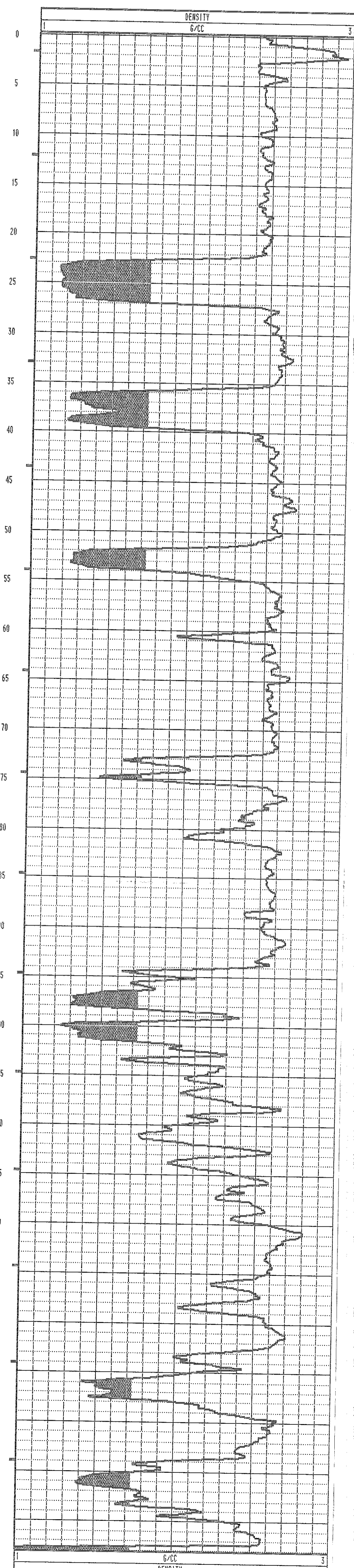
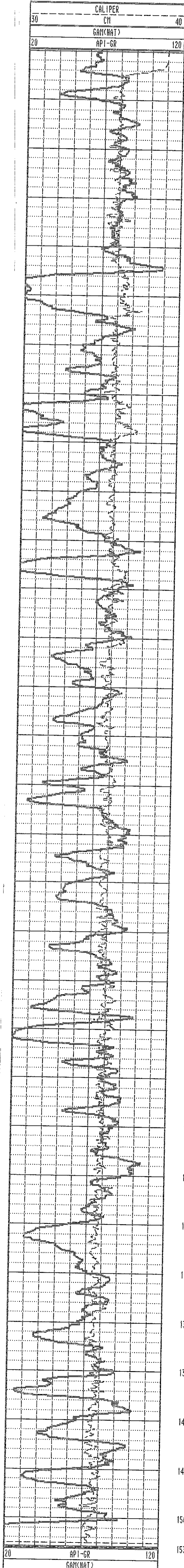
RH 2321 08/17/91 232

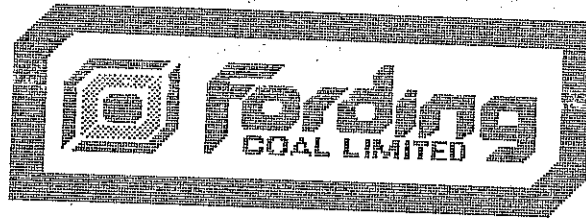


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:		
WELL	: RH 2321	RH2321		
LOCATION/FIELD	: Henretta	Henretta		
COUNTY	:	DEN. 2321		
STATE	:			
SECTION	:			
	TOWNSHIP :	RANGE :		
DATE	: 08/17/91	PERMANENT DATUM :	ELEVATIONS	
DEPTH DRILLER	: 150	ELEV. PERM. DATUM:	KB :	
LOG BOTTOM	: 153.10	LOG MEASURED FROM: G.L.	DF :	
LOG TOP	: -2.90	DRL MEASURED FROM:	GL :	
CASING DRILLER	: 5	LOGGING UNIT	: 379	
CASING TYPE	: Steel	FIELD OFFICE	: G.O.	
CASING THICKNESS:	.03	RECORDED BY	: Sandy	
BIT SIZE	:	BOREHOLE FLUID	: H2O	FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	:	TYPE : 9032AA
MATRIX DENSITY	:	RM TEMPERATURE	:	LOG : 2
FLUID DENSITY	:	MATRIX DELTA T	:	PLOT : SHADE 0
NEUTRON MATRIX	:	FLUID DELTA T	:	THRESH:
REMARKS	:			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





31-5

GAMMA-NEUTRON

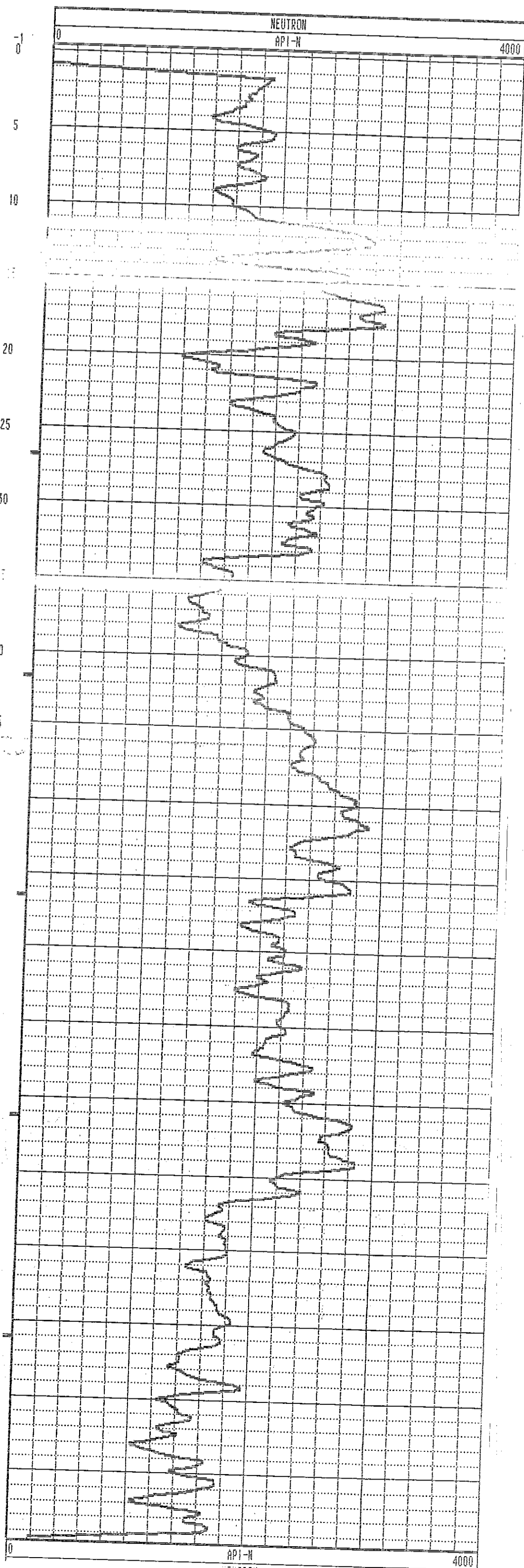
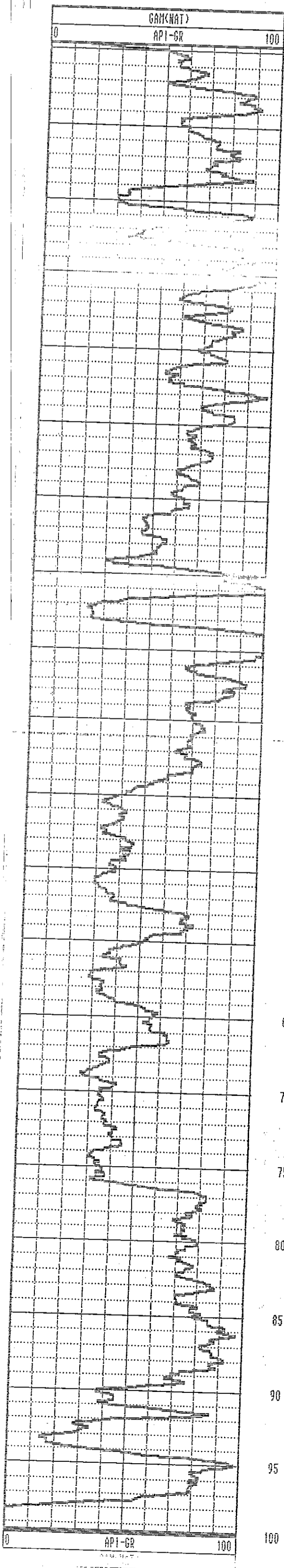
COMPANY : Fording Coal
 WELL : RH 2312 NEUTRON
 LOCATION/FIELD : Henretta
 COUNTY :
 STATE :
 SECTION :

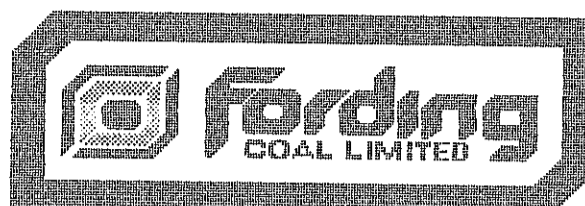
OTHER SERVICES:
 RH 2312
 2312

DATE : 08/21/91 PERMANENT DATUM :
 DEPTH DRILLER : 115 ELEV. PERM. DATUM :
 LOG BOTTOM : 99.70 LOG MEASURED FROM: G.L. :
 LOG TOP : -0.20 DRL MEASURED FROM: :
 CASING DRILLER : 8.0 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Ian Oliver

BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 5
 FLUID DENSITY : MATRIX DELTA T : PLST : 9055A
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :
 RH 2312 NEUTRON

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

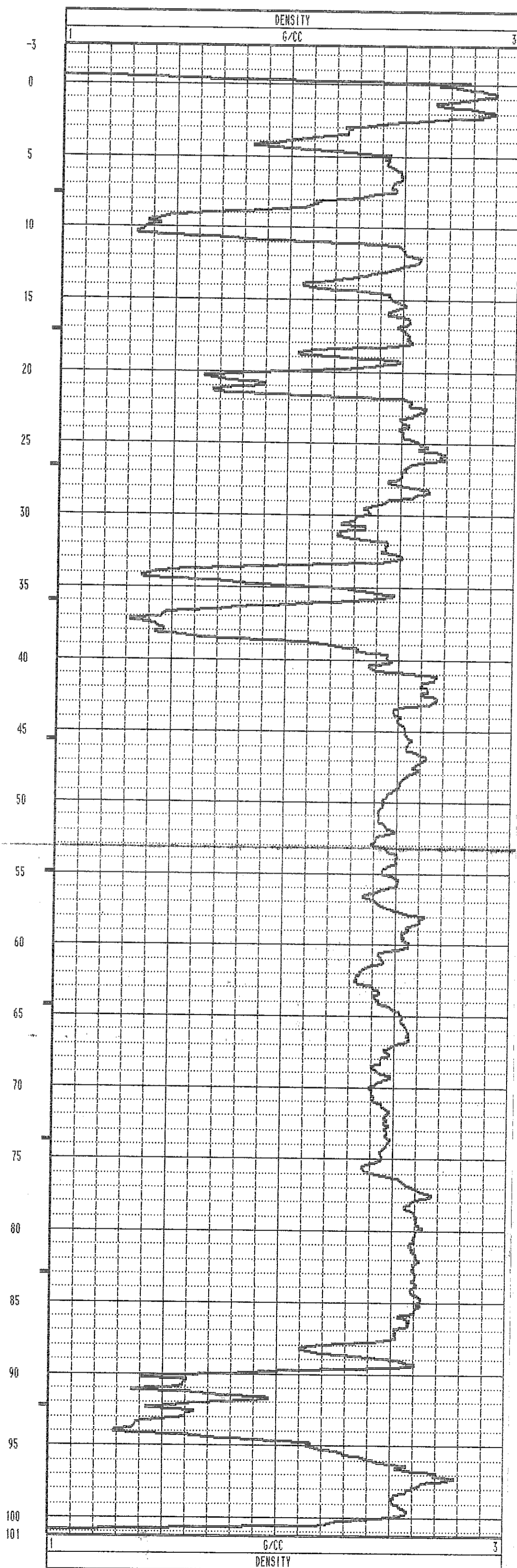
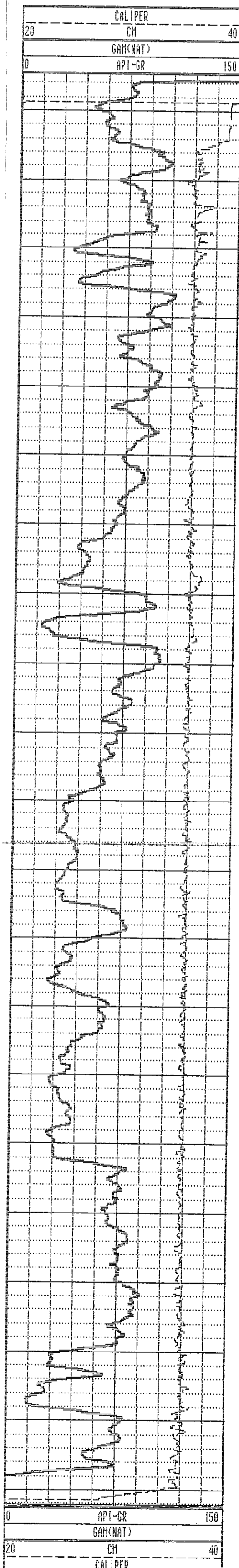




GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2312 DENSITY	RH 2312	
LOCATION/FIELD	: Henretta	2 312	
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 08/22/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 115	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 101.30	LOG MEASURED FROM:	G.L. DF :
LOG TOP	: -2.50	DRL MEASURED FROM:	GL :
CASING DRILLER	: 8.0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
RH 2312 DENSITY		TYPE	: 9032AA
		LOG	: 0
		PLOT	: 9032AA 0
		THRESH:	

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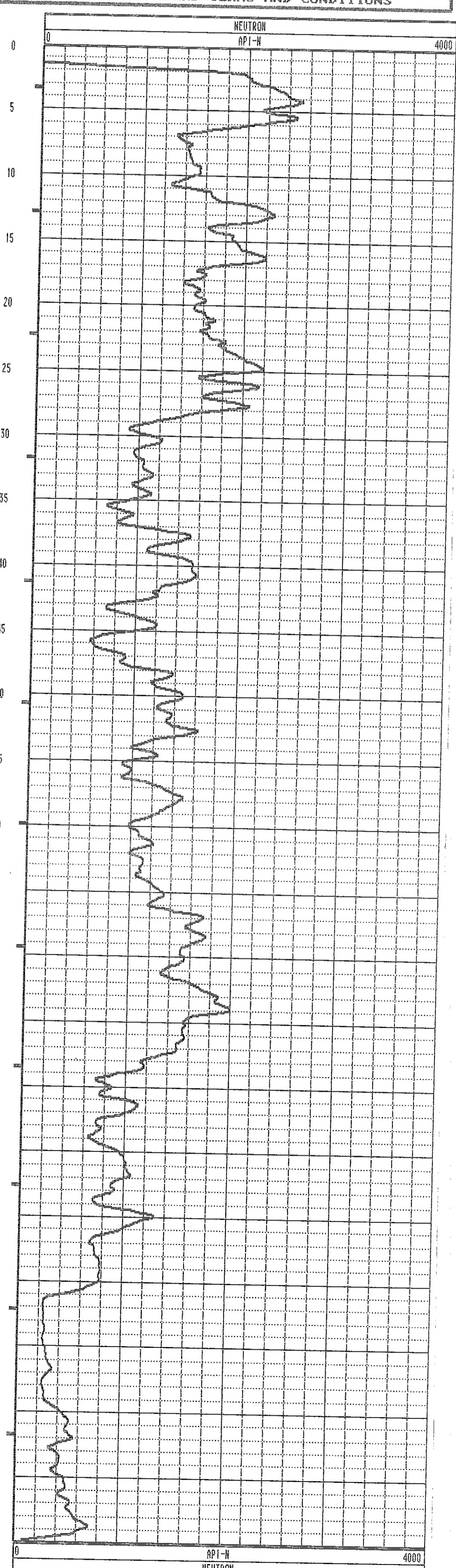
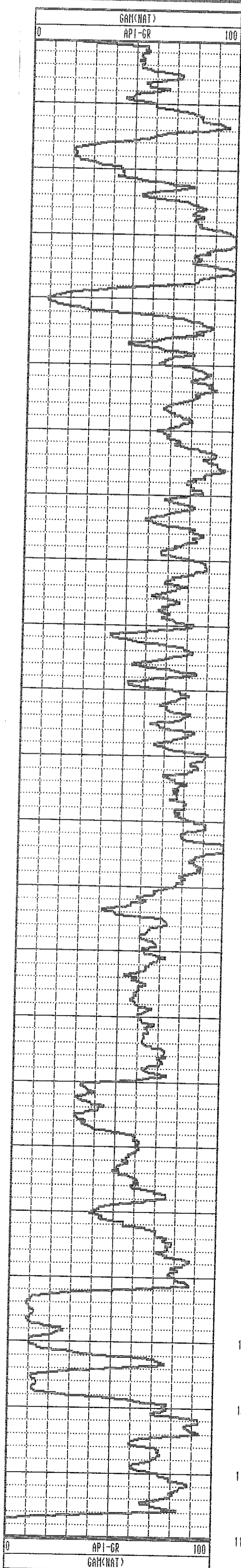


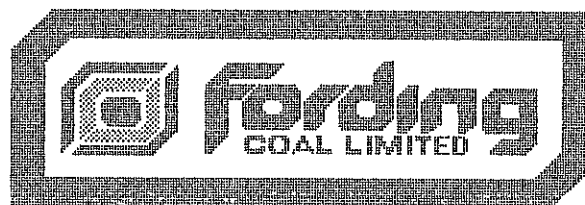
49-7

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2313 Neu.	RH 2313	
LOCATION/FIELD	: Henretta	2313	
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 08/20/91	PERMANENT DATUM	:
DEPTH DRILLER	: 115	ELEV. PERM. DATUM:	ELEVATIONS
LOG BOTTOM	: 115.10	LOG MEASURED FROM: G.L.	KB :
LOG TOP	: 0.40	DRL MEASURED FROM:	DF :
			CL :
CASING DRILLER	: 8.0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Aaron Penman
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 4
		PLOT	: 9055A 0
		THRESH:	

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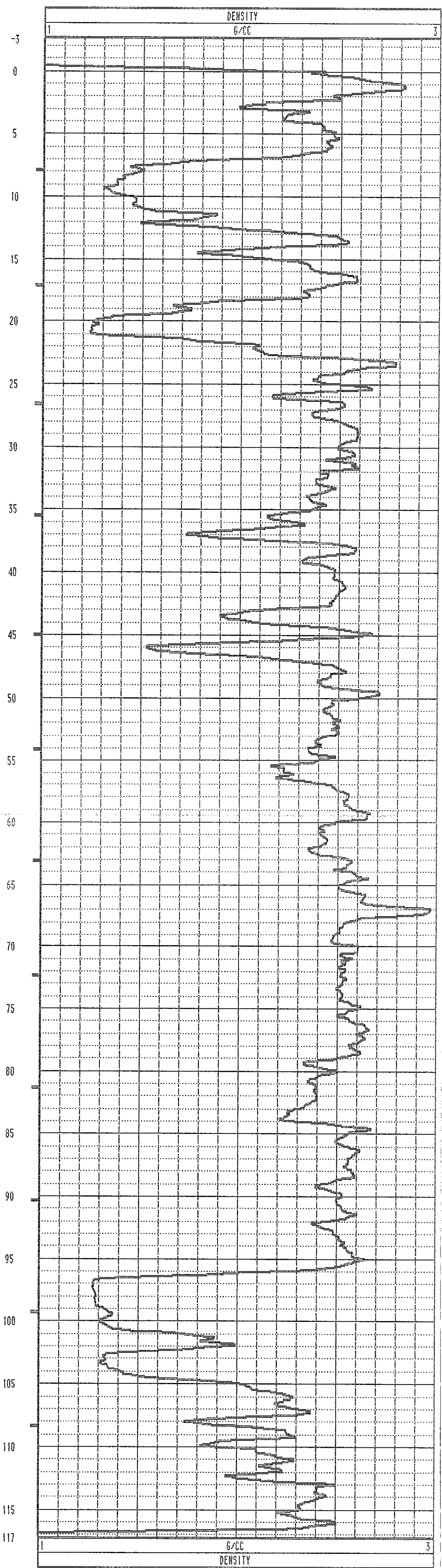
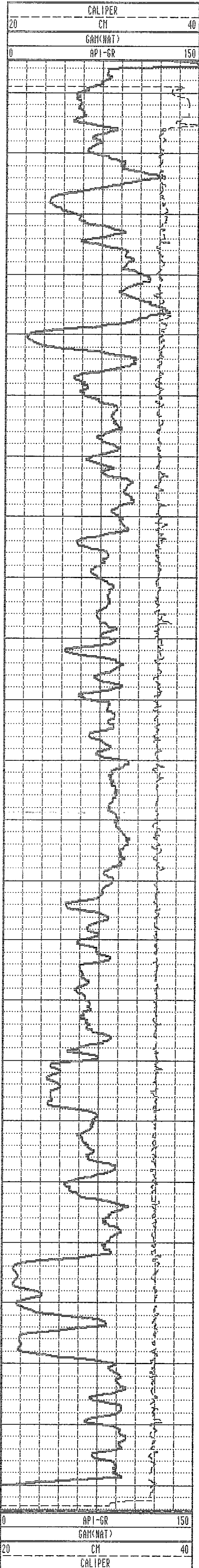


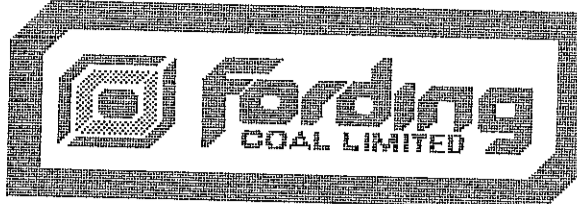


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2313 DENSITY	RH 2313	
LOCATION/FIELD	: Henretta	2313	
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 08/22/91	PERMANENT DATUM	:
DEPTH DRILLER	: 115	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 117.30	LOG MEASURED FROM:	G.L. DF :
LOG TOP	: -2.40	DRL MEASURED FROM:	GL :
CASING DRILLER	: 8.0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
RH 2313 DENSITY		TYPE	: 9032AA
		LOG	: 1
		PLOT	: 9032AA 0
		THRESH:	

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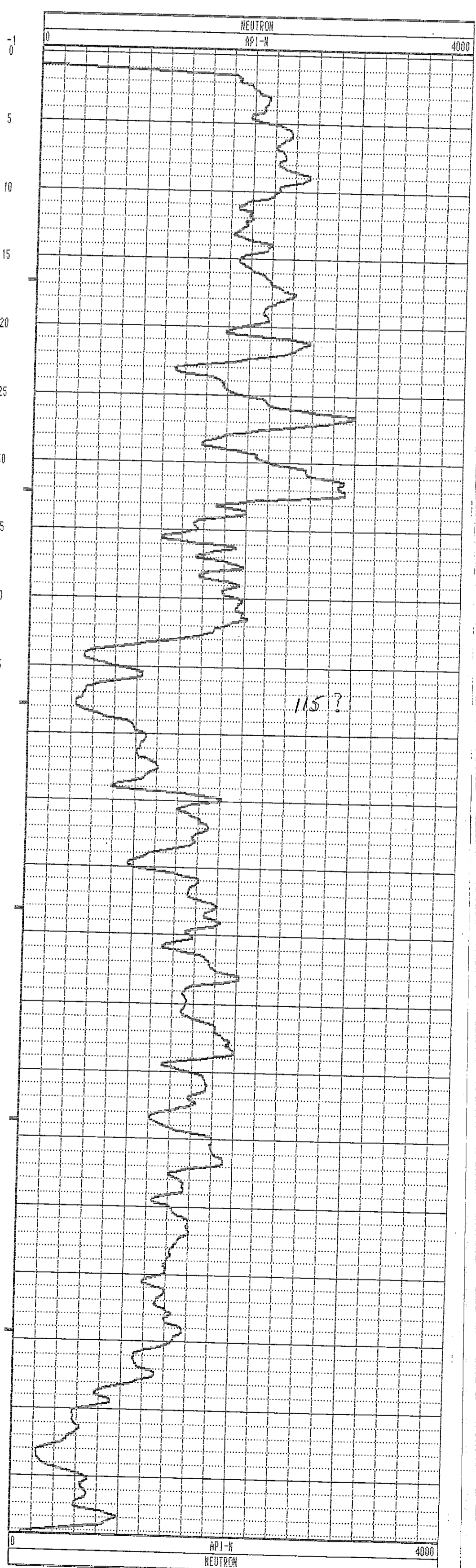
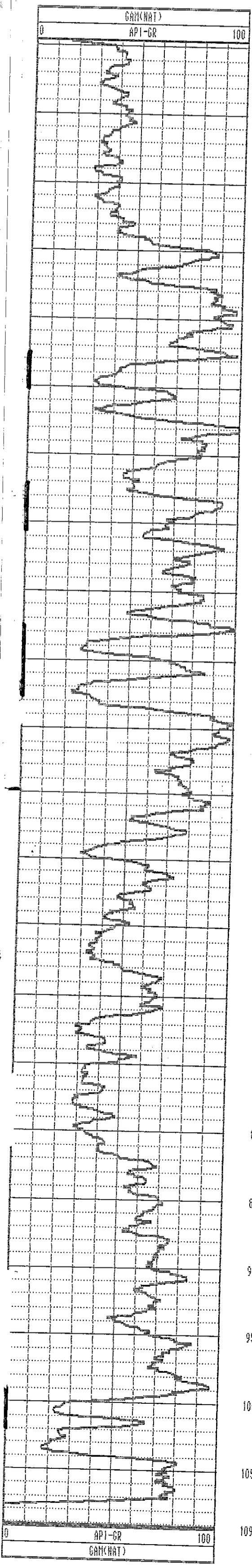


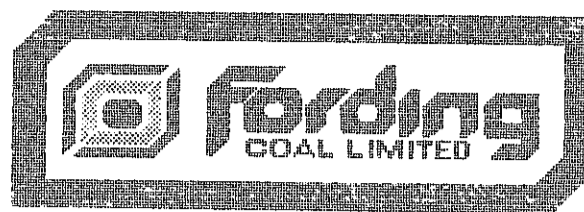
34-6

GAMMA-NEUTRON

COMPANY : Fording Coal	OTHER SERVICES:	
WELL : RH 2315 Neutron	2315	
LOCATION/FIELD : henretta		
COUNTY :		
STATE :		
SECTION :	TOWNSHIP : RANGE :	
DATE : 08/16/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 110m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 109.30	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -0.20	DRL MEASURED FROM:	GL :
CASING DRILLER : 6	LOGGING UNIT : 379	
CASING TYPE : Steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .03	RECORDED BY : Ian Oliver	
BIT SIZE :	BOREHOLE FLUID : H2O	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 :		
RH 2315 Neutron		

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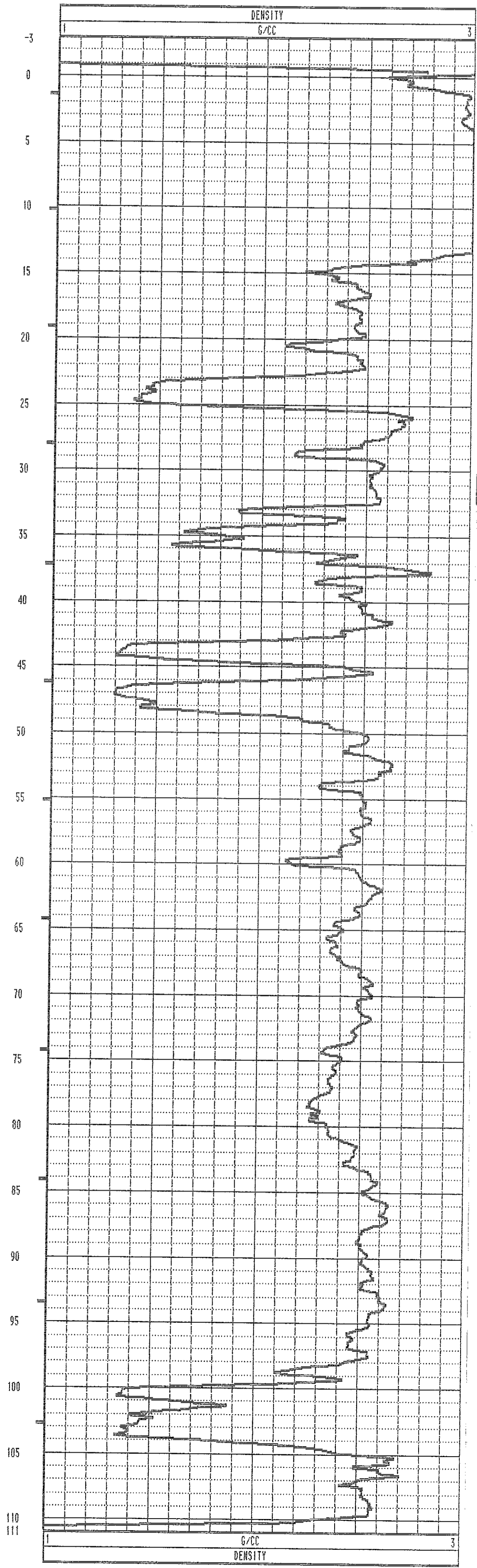
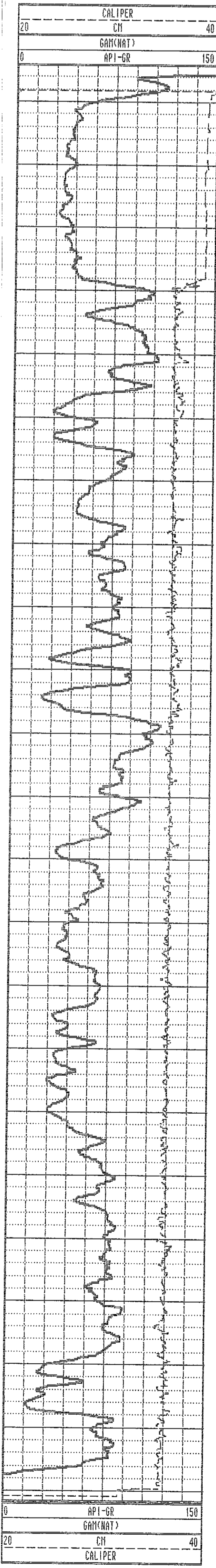


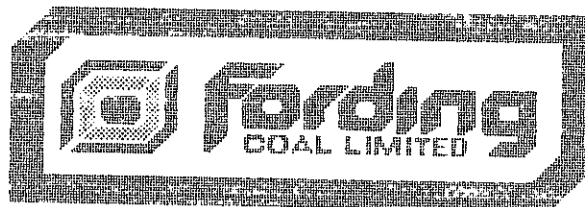


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2315 DENSITY	RH 2315	
LOCATION/FIELD	: Henretta		
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP :	RANGE :
DATE	: 08/22/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 115	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 111.00	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -2.70	DRL MEASURED FROM:	GL :
CASING DRILLER	: 8.0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
RH 2315 DENSITY	:	TYPE	: 9032AA
		LOG	: 2
		PLOT	: 9032AA 0
		THRESH:	

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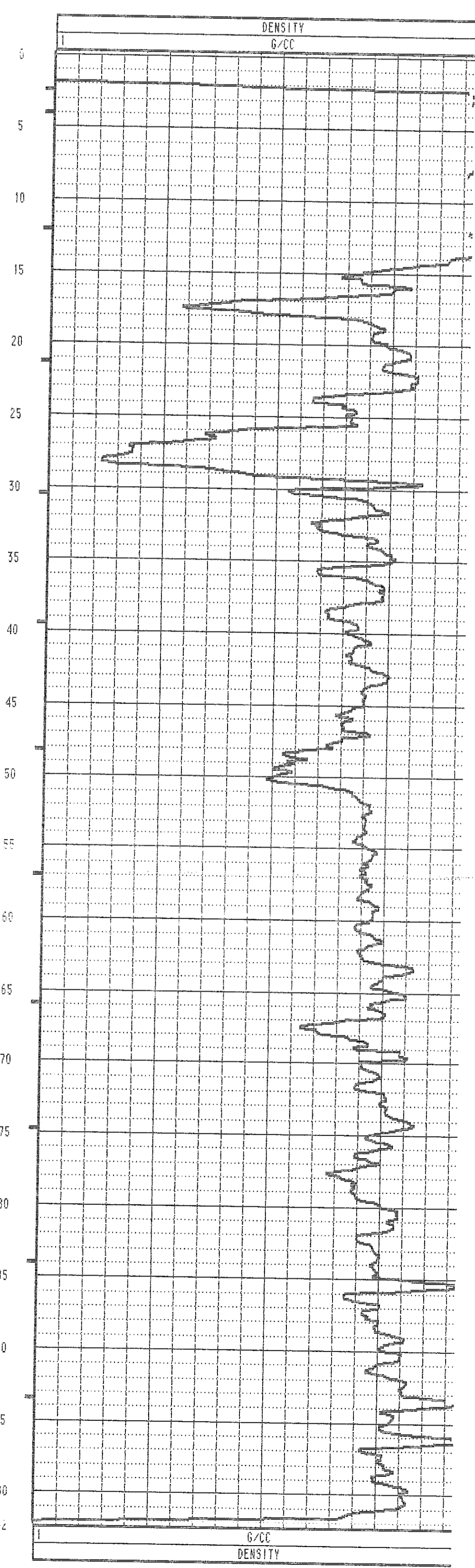
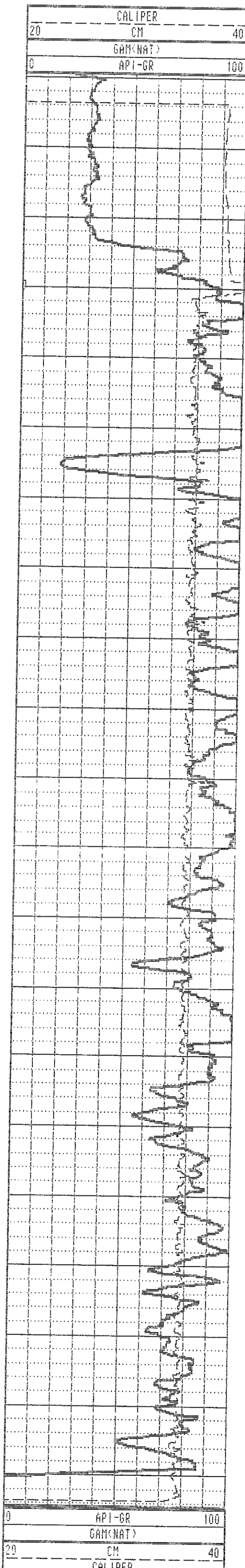


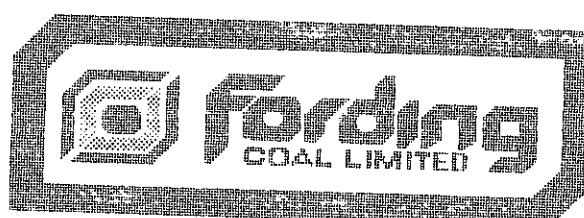
13-2

GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2296 Men Density	2296
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP : RANGE :	
DATE	: 07/19/91 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 80 ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 102.40 LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -0.10 DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5 LOGGING UNIT : 379	
CASING TYPE	: Steel FIELD OFFICE : G.O.	
CASING THICKNESS	: .03 RECORDED BY : Raj Sharma	
BIT SIZE	: BOREHOLE FLUID : H2o	FILE : ORIGINAL
MAGNETIC DECL.	: 21 RM :	TYPE : 9032AA
MATRIX DENSITY	: RM TEMPERATURE :	LOG : 5
FLUID DENSITY	: MATRIX DELTA T :	PLOT : 9032AA
NEUTRON MATRIX	: FLUID DELTA T :	THRESH:
REMARKS	:	

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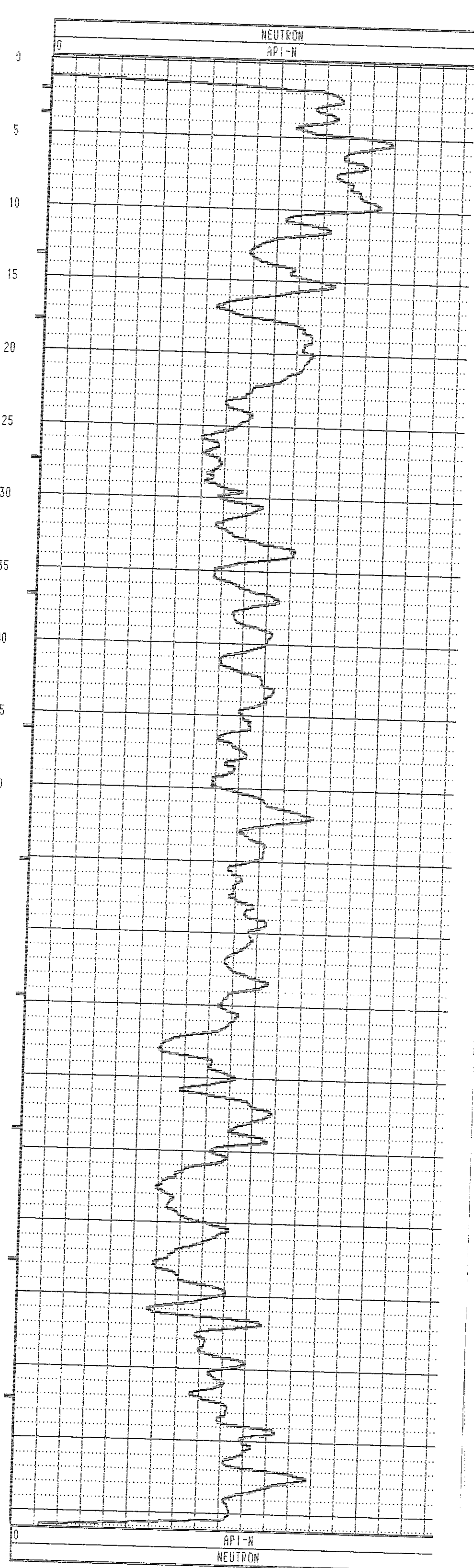
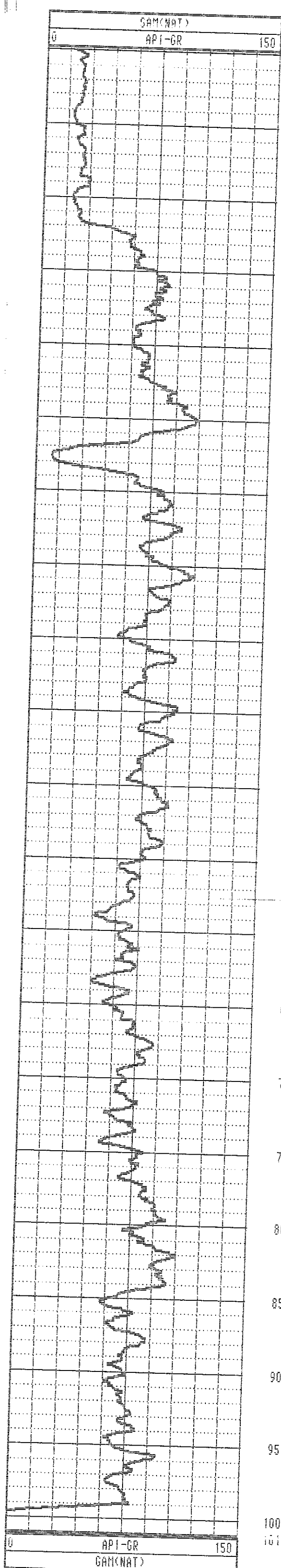




GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2296 Henretta Neu		2296
LOCATION/FIELD	: Henretta		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
			RANGE :
DATE	: 07/19/91	PERMANENT DATUM	:
DEPTH DRILLER	: 100m	ELEV. PERM. DATUM:	ELEVATIONS
LOG BOTTOM	: 101.20	LOG MEASURED FROM: G.L.	KB :
LOG TOP	: 0.10	DRL MEASURED FROM:	DF :
			GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Raj Sharma
BIT SIZE	:	BOREHOLE FLUID	: H2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:		
		FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 4
		PLOT	: 9055A
		THRESH:	

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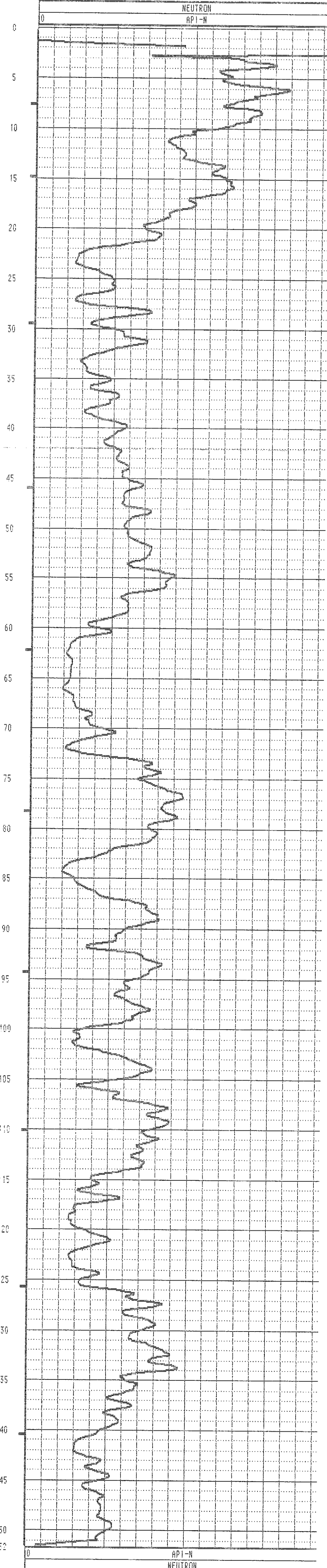
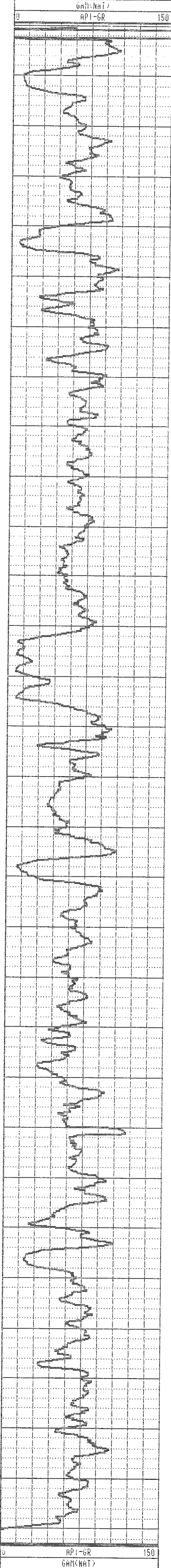


84-13

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2289 Neutron	2289
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/23/91	PERMANENT DATUM :
DEPTH DRILLER	: 80	ELEV. PERM. DATUM:
LOG BOTTOM	: 151.70	LOG MEASURED FROM: G.L.
LOG TOP	: 0.30	DRL MEASURED FROM:
CASING DRILLER	: 11.5	LOGGING UNIT
CASING TYPE	: Steel	FIELD OFFICE
CASING THICKNESS	: .03	RECORDED BY
		: Ian Oliver
BIT SIZE	: BOREHOLE FLUID	FILE
MAGNETIC DECL.	: RM	TYPE
MATRIX DENSITY	: RM TEMPERATURE	LOG
FLUID DENSITY	: MATRIX DELTA T	PLOT
NEUTRON MATRIX	: FLUID DELTA T	THRESH:
REMARKS	:	

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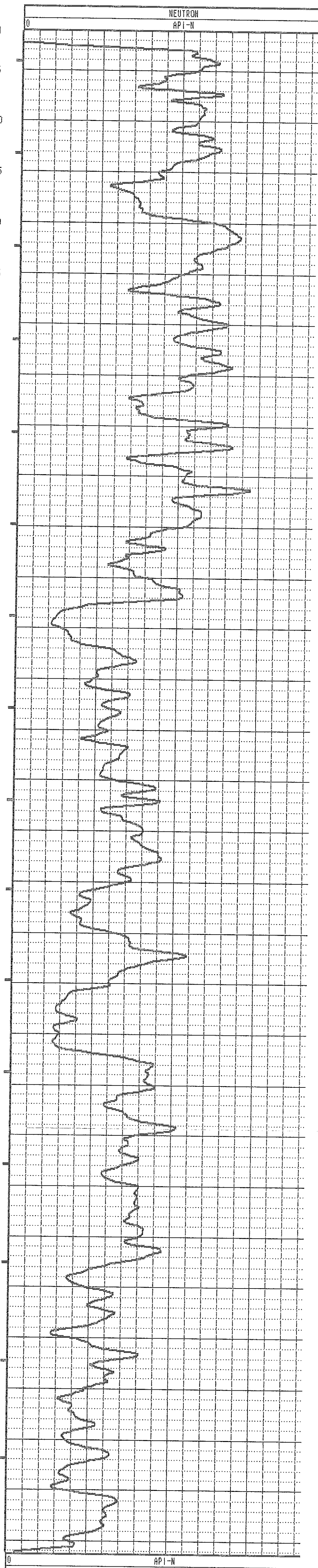
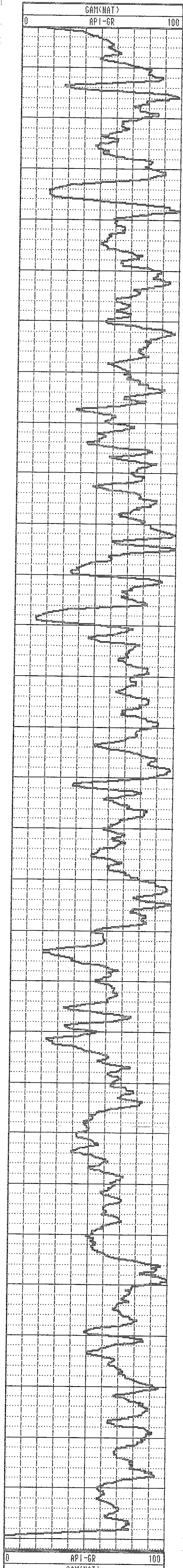




GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2290 Henretta		
LOCATION/FIELD	: Henretta		<i>RH 2290</i>
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 07/25/91	PERMANENT DATUM	:
DEPTH DRILLER	: 150m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 151.30	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: 1.30	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Raj Sharma
BIT SIZE	:	BOREHOLE FLUID	: H2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 1
		PLOT	: 9055A
		THRESH:	

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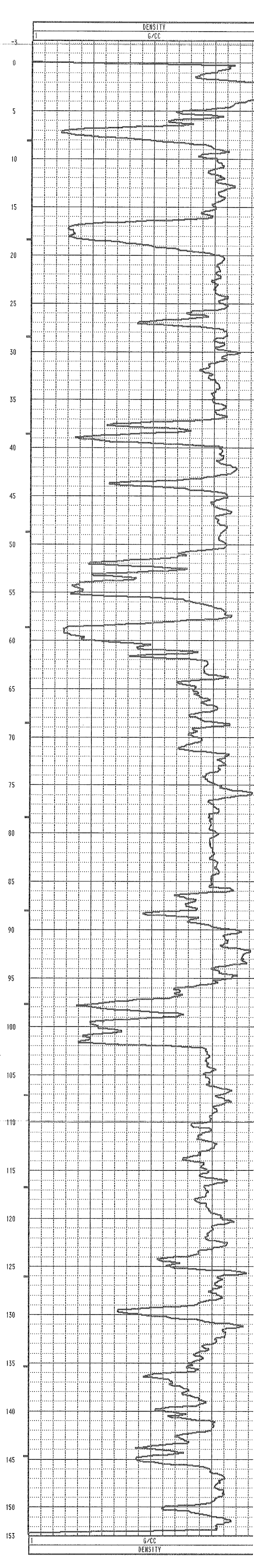
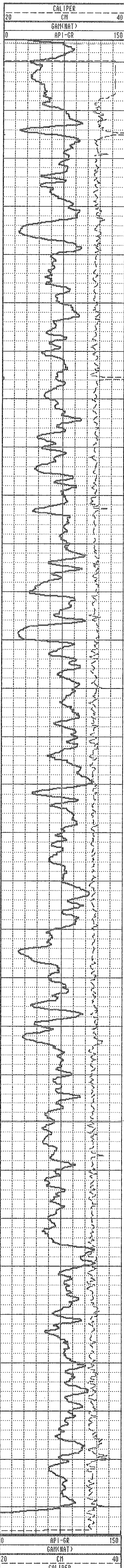


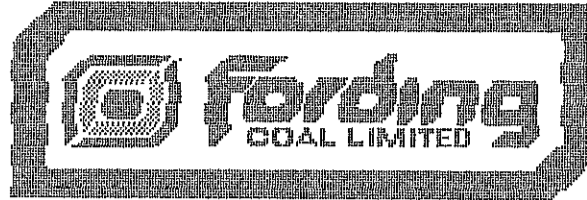
73-16

GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:			
WELL	: RH 2290 Henretta	RH 2290			
LOCATION/FIELD	: Henretta				
COUNTY	: E. Kootney				
STATE	: B.C.				
SECTION	: _____	TOWNSHIP	: _____	RANGE	: _____
DATE	: 07/26/91	PERMANENT DATUM	: _____	ELEVATIONS	
DEPTH DRILLER	: 150m	ELEV. PERM. DATUM:	KB	:	
LOG BOTTOM	: 153.00	LOG MEASURED FROM:	G.L.	BF	:
LOG TOP	: -2.10	DRL MEASURED FROM:	GL	GL	:
CASING DRILLER	: 11.5	LOGGING UNIT	: 379		
CASING TYPE	: Steel	FIELD OFFICE	: G.D.		
CASING THICKNESS:	.03	RECORDED BY	: Aaron Penman		
BIT SIZE	:	BOREHOLE FLUID	: H2o	FILE	: ORIGINA
MAGNETIC DECL.	: 21	RM	:	TYPE	: 9032AA
MATRIX DENSITY	:	RM TEMPERATURE	:	LOG	: 4
FLUID DENSITY	:	MATRIX DELTA T	:	PLOT	: 9032AA
NEUTRON MATRIX	:	FLUID DELTA T	:	THRESH:	
REMARKS	:				

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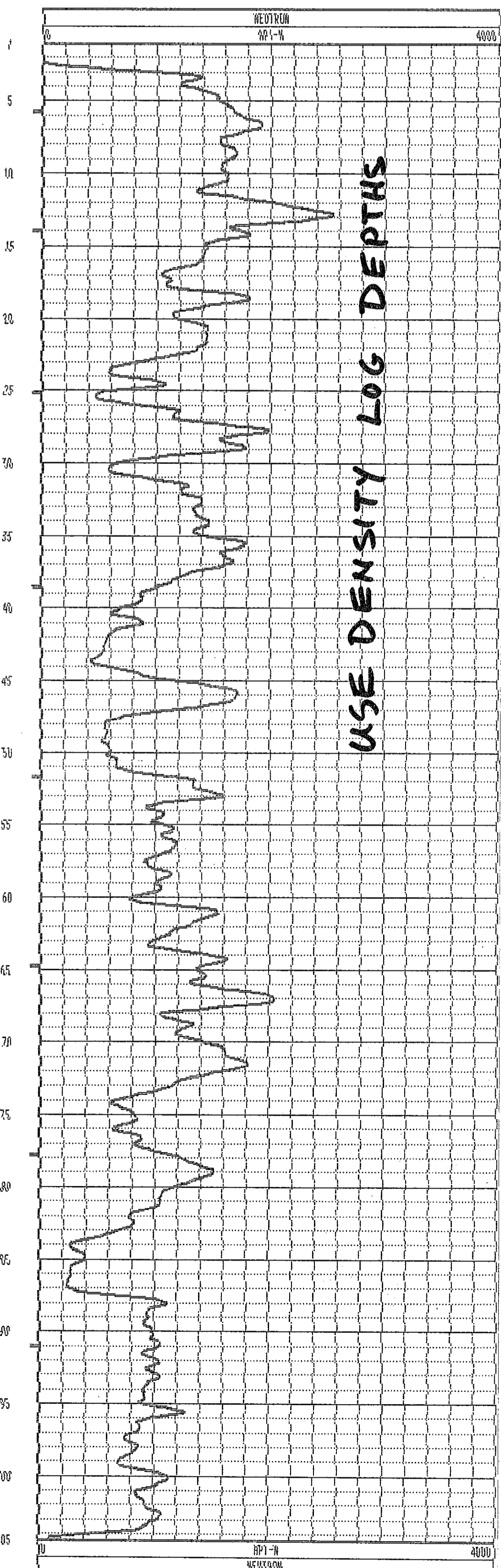
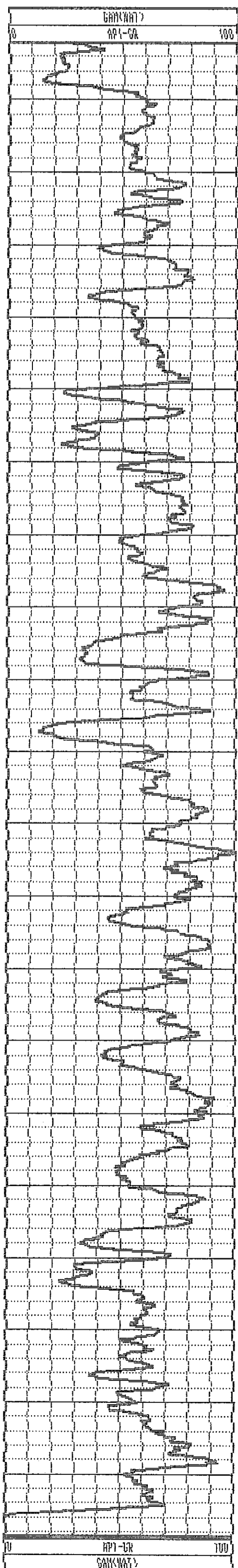


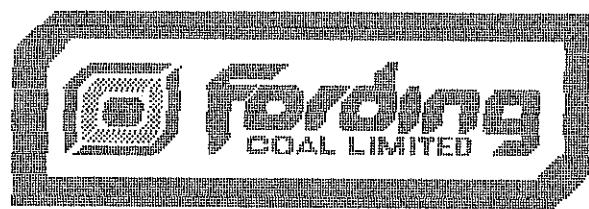
39-8

GAMMA-NEUTRON

COMPANY : Fording Coal	OTHER SERVICES:
WELL : RH 2291 Gamma	2291
LOCATION/FIELD : Taylor	
COUNTY : E. Kootney	
STATE : B.C.	
SECTION : TOWNSHIP : RANGE :	
DATE : 07/12/91 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 130m ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 184.50 LOG MEASURED FROM: G.L.	DF :
LOG TOP : 1.30 DRL MEASURED FROM:	GL :
CASING DRILLER : 11.5 LOGGING UNIT : 379	
CASING TYPE : Steel FIELD OFFICE : G.O.	
CASING THICKNESS: .03 RECORDED BY : Ian J. Olive	
BIT SIZE : BOREHOLE FLUID : M20 FILE : ORIGINAL	
MAGNETIC DECL. : 21 RM TYPE : 9055A	
MATRIX DENSITY : RM TEMPERATURE : LOG : 8	
FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A 0	
NEUTRON MATRIX : FLUID DELTA T : THRESH:	
REMARKS :	

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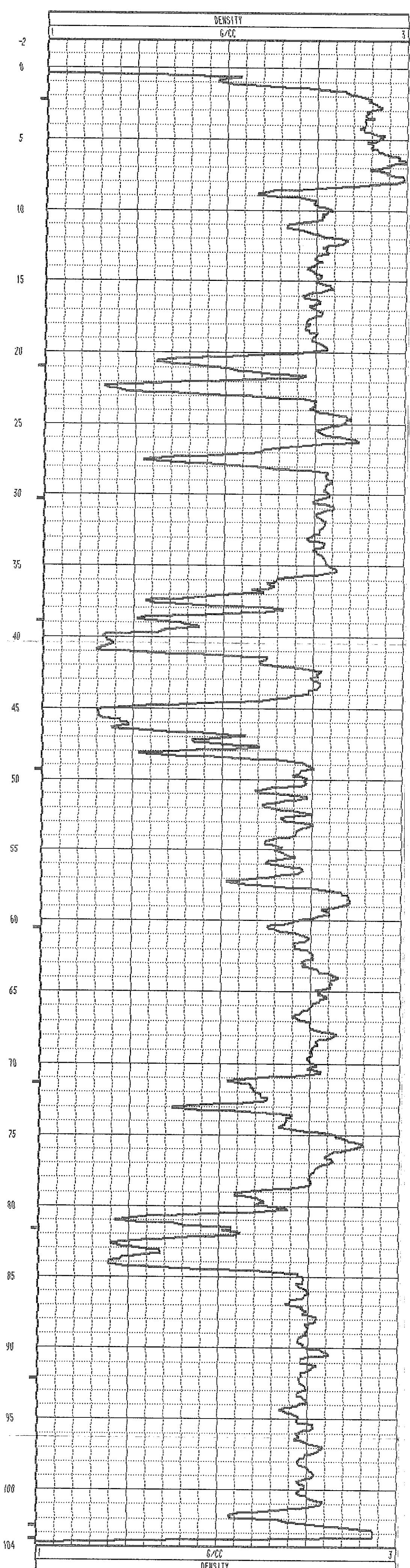
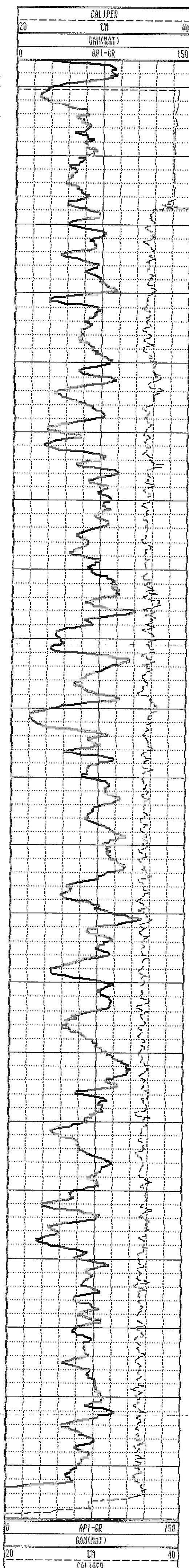


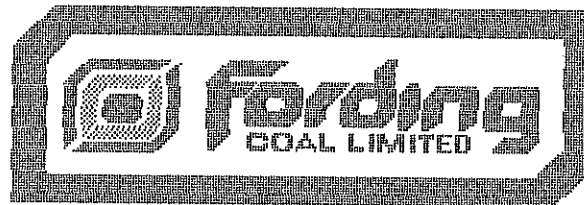


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2291 Density	2291	
LOCATION/FIELD	: Taylor		
COUNTY	: E. Kootney	TOWNSHIP	: RANGE :
STATE	: B.C.		
SECTION	:		
DATE	: 07/13/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 130m	ELEV. FERM. DATUM:	KB :
LOG BOTTOM	: 104.00	LOG MEASURED FROM:	G.L. DF :
LOG TDP	: -1.70	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Ian J. Olive
BIT SIZE	:	BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9032AA
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 1
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9032AA 0
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

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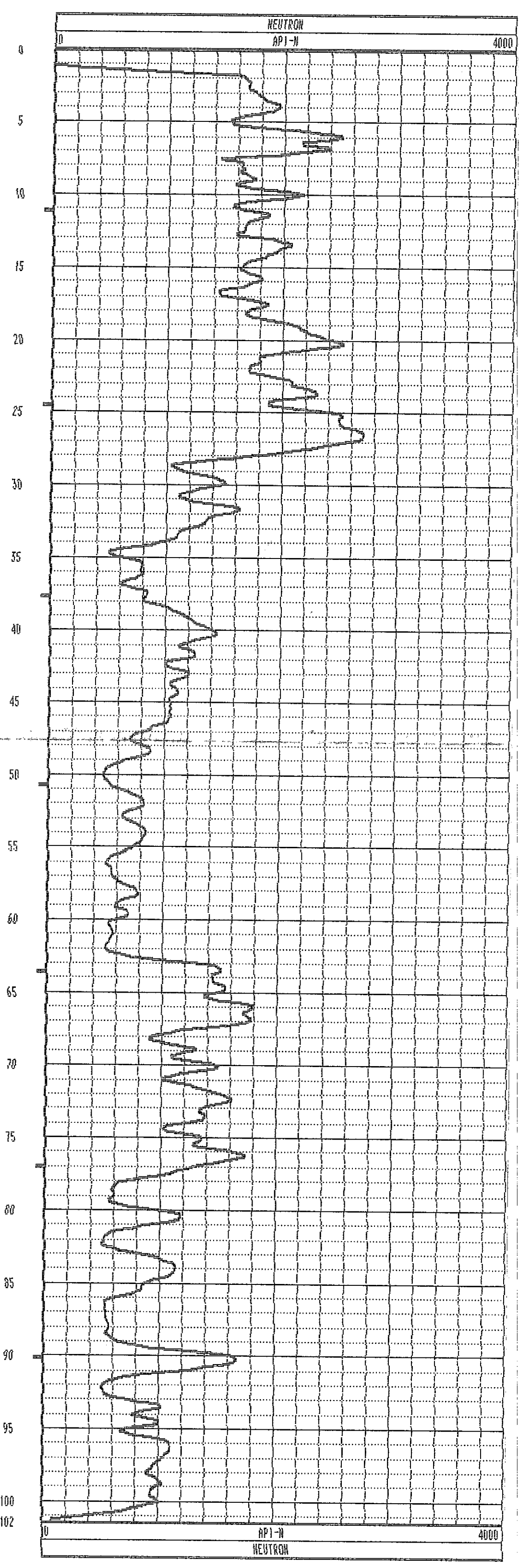
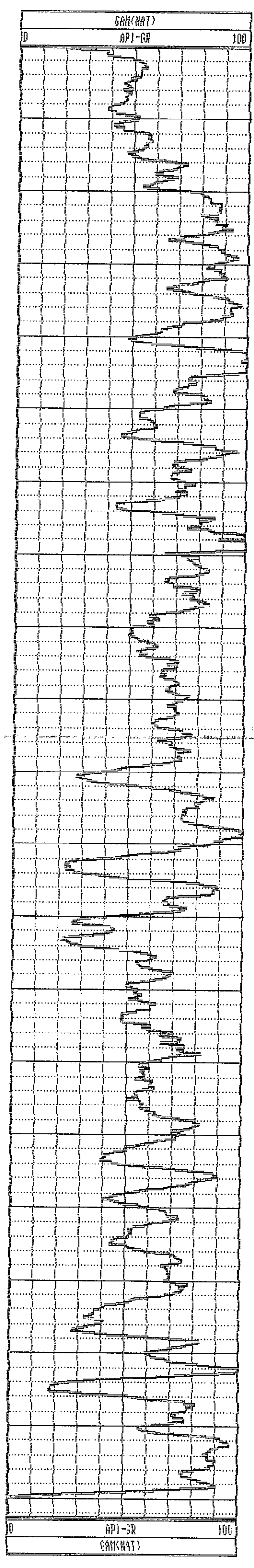


55-8

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2292 Neutron		2292
LOCATION/FIELD	: Taylor		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
			RANGE :
DATE	: 07/14/91	PERMANENT DATUM	:
DEPTH DRILLER	: 130m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 101.50	LOG MEASURED FROM:	G.I. DF :
LOG TOP	: 0.10	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Ian J. Olive
BIT SIZE	:	BOREHOLE FLUID	: H2O FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 6
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A 0
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

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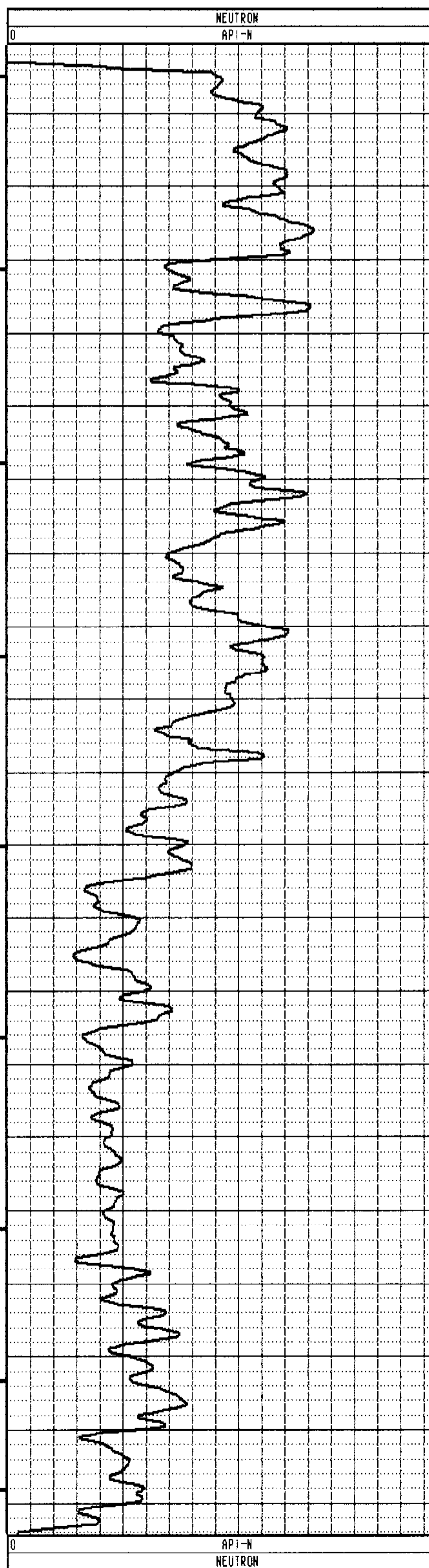
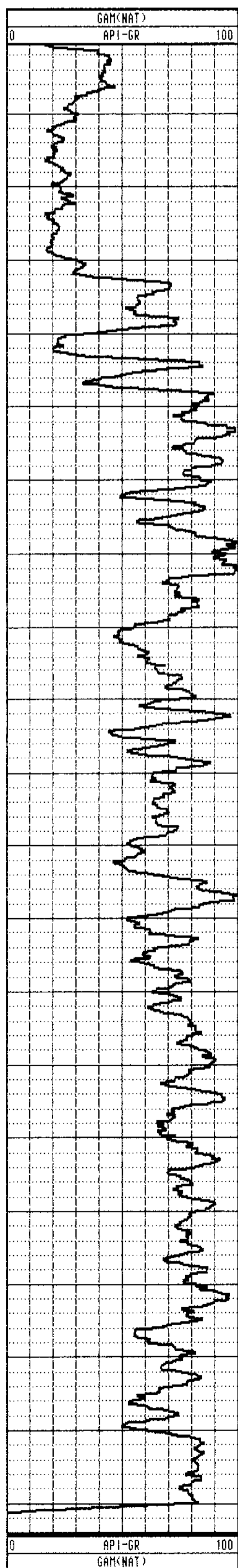


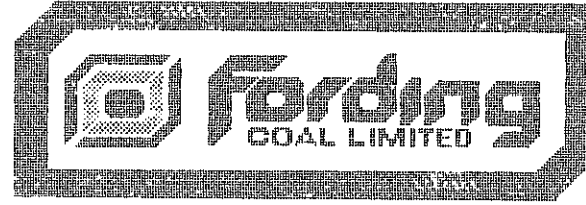
38-11

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2294 Neutron	RH 2294	
LOCATION/FIELD	: Henretta		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 07/21/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 80	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 102.20	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: 0.50	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 2
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





GAMMA-RES-DENSITY

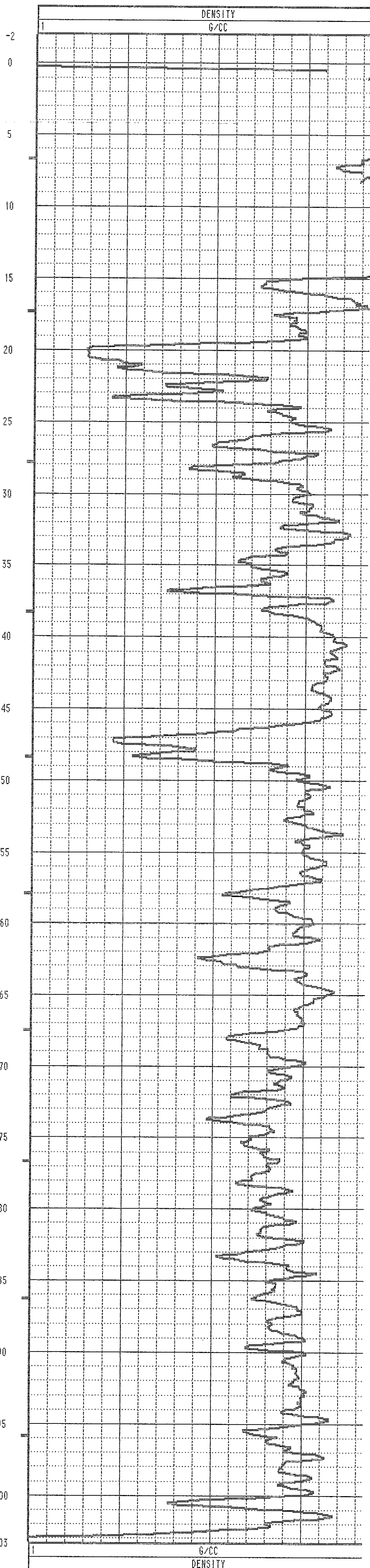
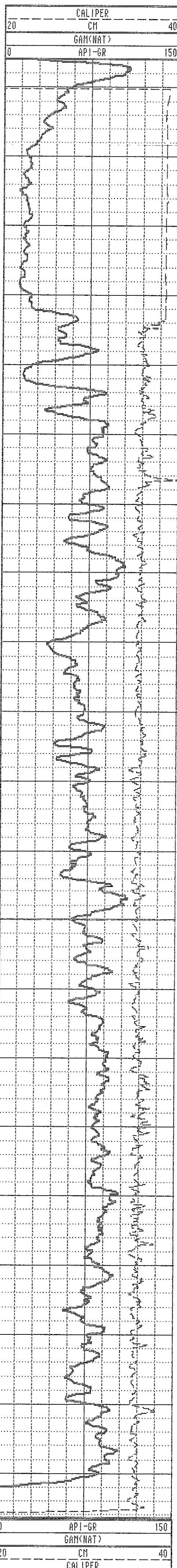
COMPANY : Fording Coal
 WELL : RH 2294 Density
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION : TOWNSHIP : RANGE :

OTHER SERVICES:
RH 2294

DATE : 07/22/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 80 ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 103.40 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -1.80 DRL MEASURED FROM: GL :
 CASING DRILLER : 11.5 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Ian Oliver

BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 3
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9032AA
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

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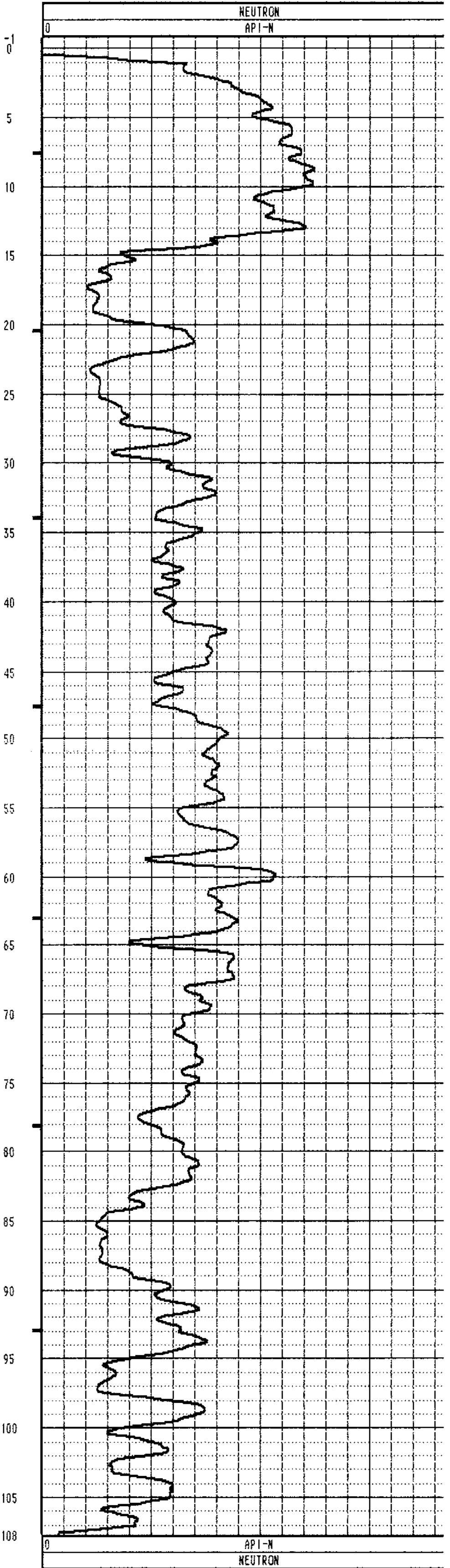
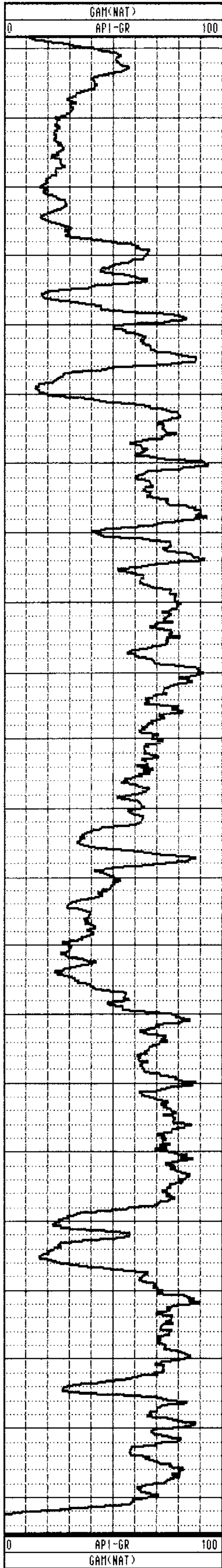


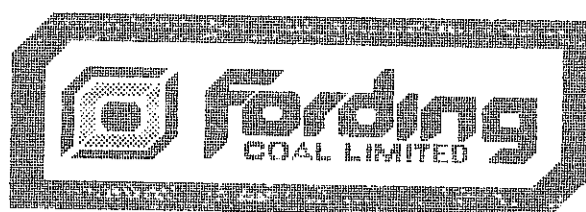
39-6

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2295 Neutron	RH 2295	
LOCATION/FIELD	: Henretta		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 07/20/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 80	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 107.80	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -0.60	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2o FILE : PROCESS
MAGNETIC DECL.	: 21	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 4
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

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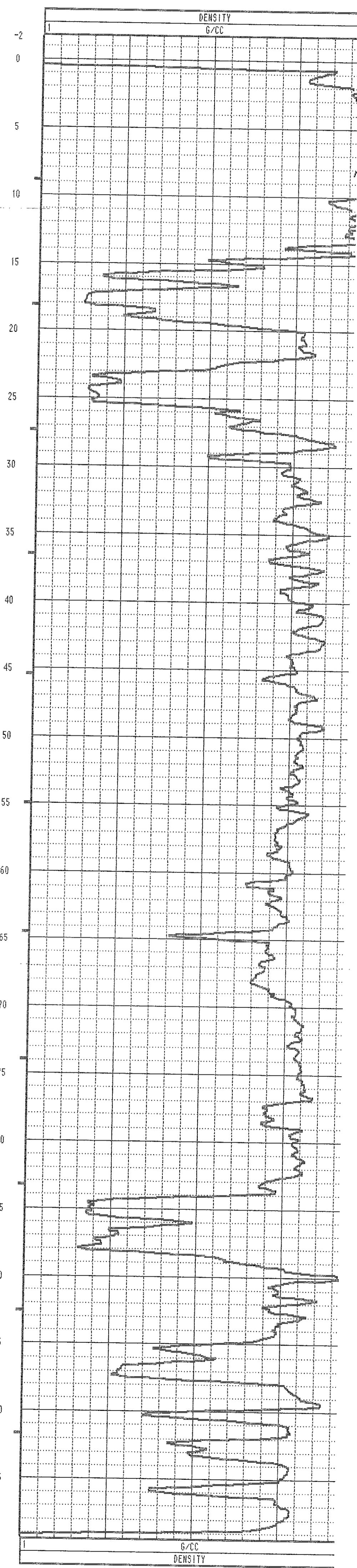
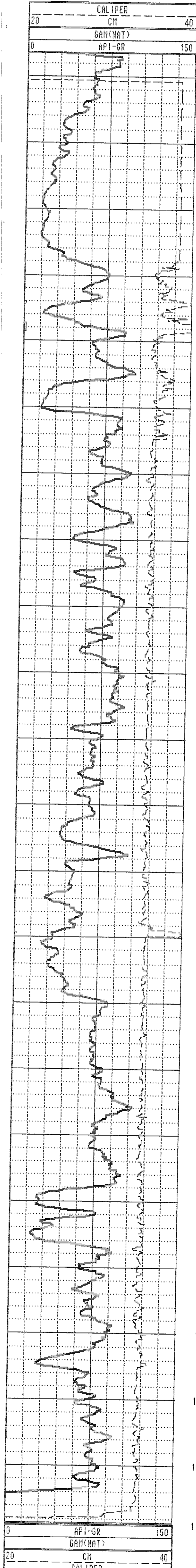




GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2295 Density	<i>RH 2295</i>
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/21/91	PERMANENT DATUM :
DEPTH DRILLER	: 80	ELEV. PERM. DATUM:
LOG BOTTOM	: 109.50	LOG MEASURED FROM: G.L.
LOG TOP	: -1.60	DRL MEASURED FROM:
CASING DRILLER	: 11.5	LOGGING UNIT
CASING TYPE	: Steel	FIELD OFFICE
CASING THICKNESS	: .03	RECORDED BY
		: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID
MAGNETIC DECL.	: 21	: H2o
MATRIX DENSITY	:	RM
FLUID DENSITY	:	RM TEMPERATURE
NEUTRON MATRIX	:	MATRIX DELTA T
REMARKS	:	FLUID DELTA T
		FILE : ORIGINAL
		TYPE : 9032AA
		LOG : 5
		PLOT : 9032AA
		THRESH:

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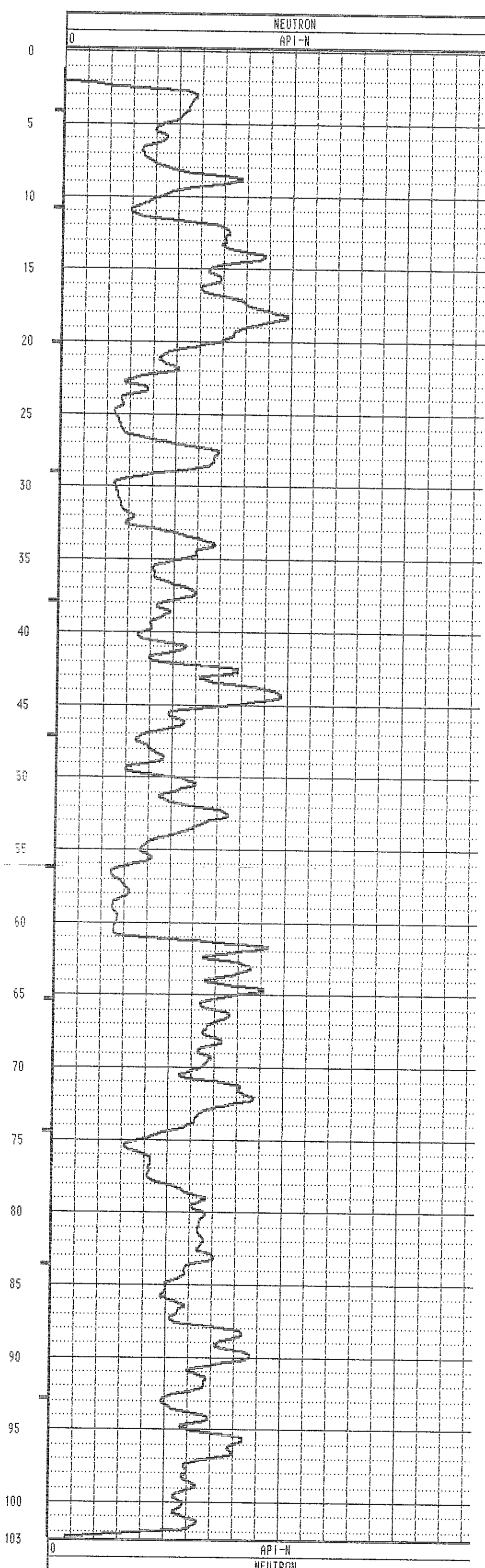
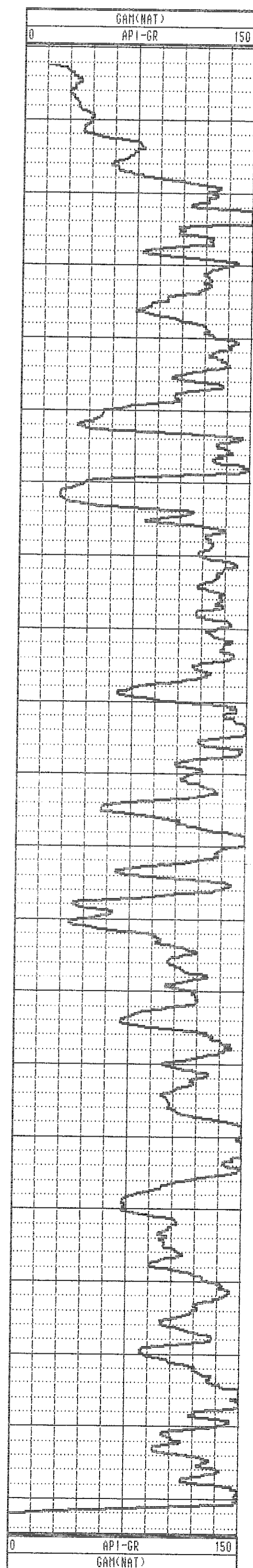




GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2297 Hen Gam-Neu	2297
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/18/91 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 100m ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 102.60 LOG MEASURED FROM: G.L.	DF :
LOG TOP	: 1.30 DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5 LOGGING UNIT	: 379
CASING TYPE	: Steel FIELD OFFICE	: G.O.
CASING THICKNESS	: .03 RECORDED BY	: Raj Sharma
BIT SIZE	: BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21 RM	: TYPE : 9855A
MATRIX DENSITY	: RM TEMPERATURE	: LOG : 2
FLUID DENSITY	: MATRIX DELTA T	: PLOT : 9655A
NEUTRON MATRIX	: FLUID DELTA T	: THRESH:
REMARKS	:	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





37-6

GAMMA-RES-DENSITY

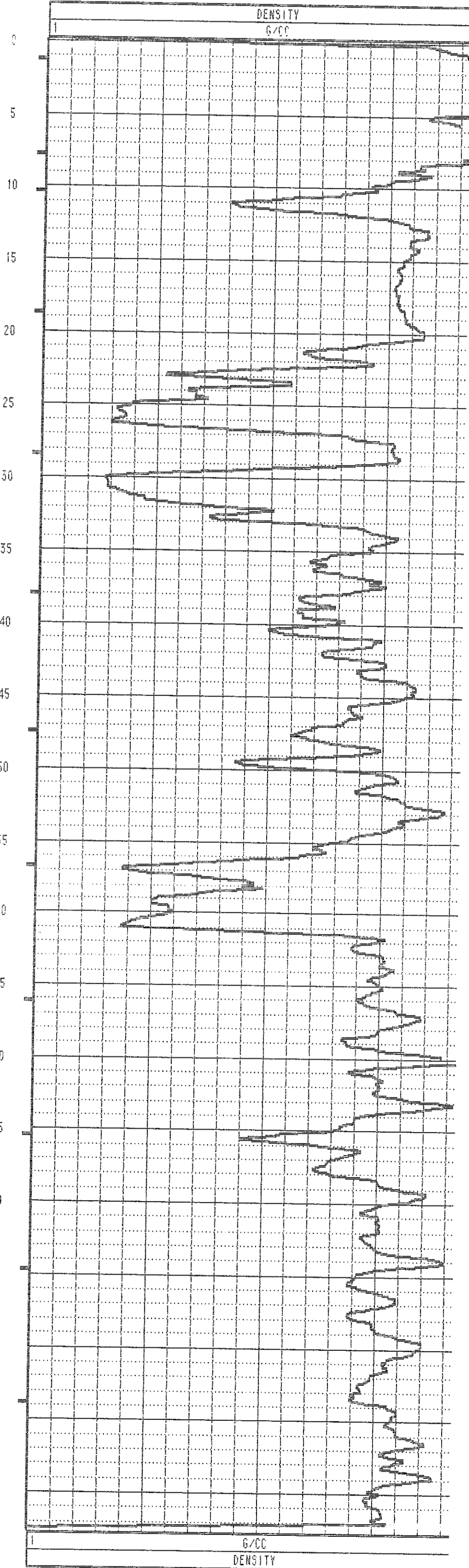
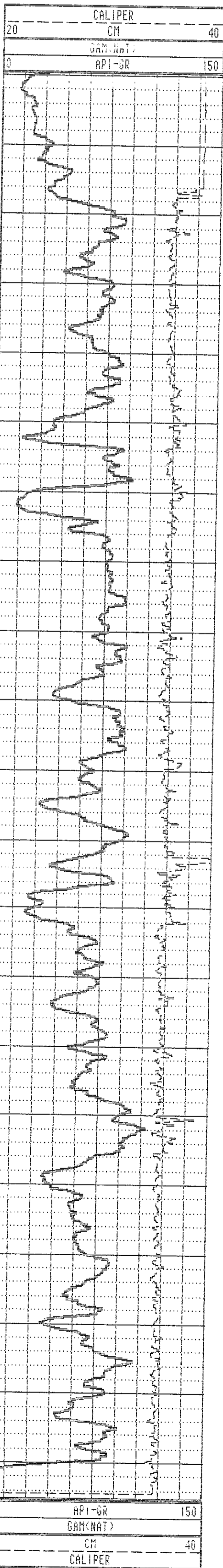
COMPANY : Fording Coal
 WELL : RH 2297 Hen Density
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION : TOMNSHIP : RANGE :

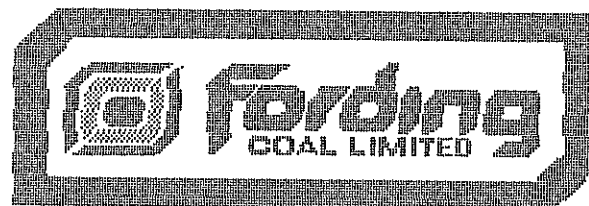
OTHER SERVICES:
 2297

DATE : 07/18/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 100m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 102.80 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -2.20 DRL MEASURED FROM: GL :
 CASING DRILLER : 11.5 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Raj Sharma

BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 3
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9032AA
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

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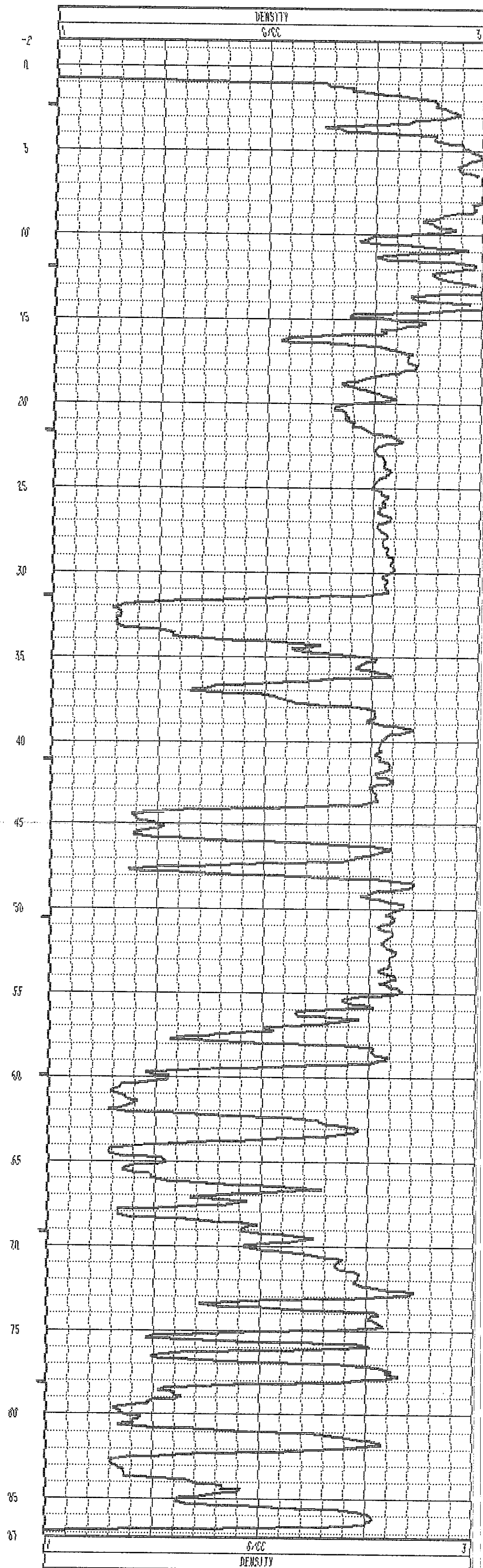
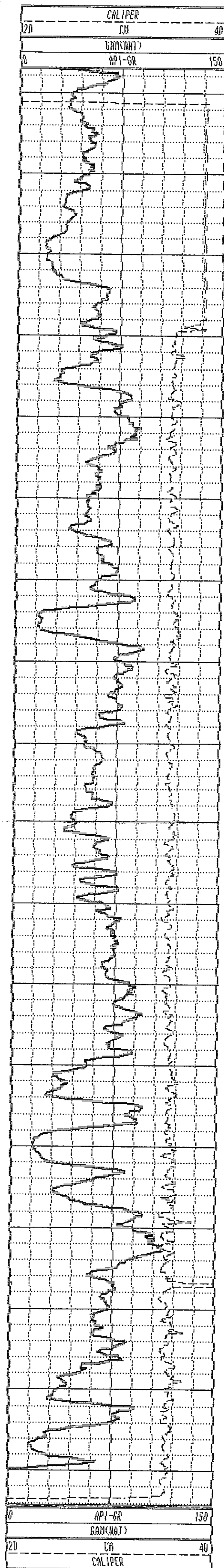


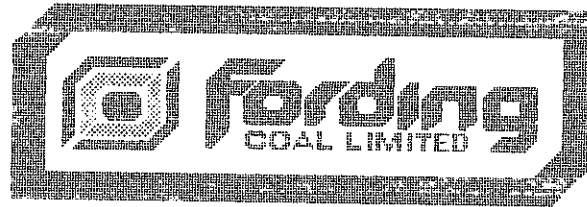
62-10

GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2298 Density		2298
LOCATION/FIELD	: Taylor		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 07/14/91	PERMANENT DATUM	:
DEPTH DRILLER	: 130m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 87.30	LOG MEASURED FROM:	G.L. DF :
LOG TOP	: -1.30	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.U.
CASING THICKNESS:	.03	RECORDED BY	: Ian J. Olive
BIT SIZE	:	BOREHOLE FLUID	: H2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9032AA
		LOG	: 3
		PLOT	: 9032AA 0
		THRESH:	

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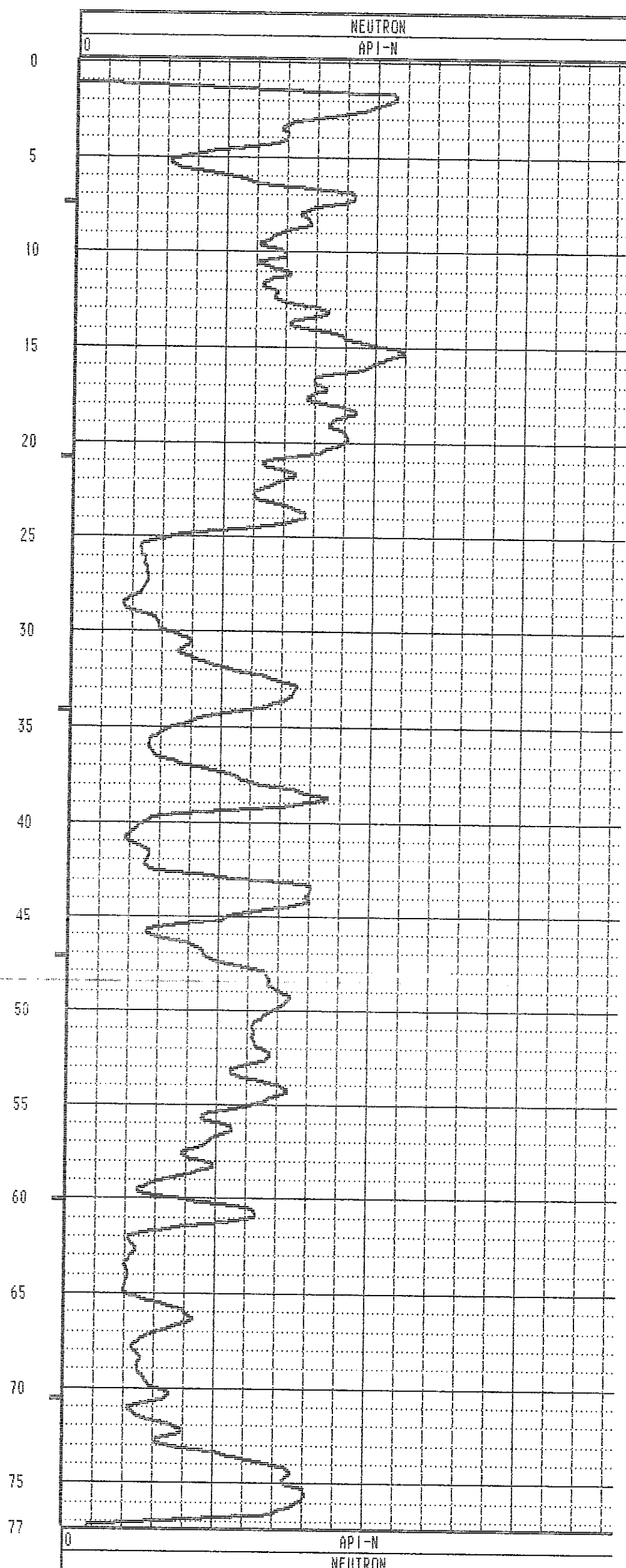
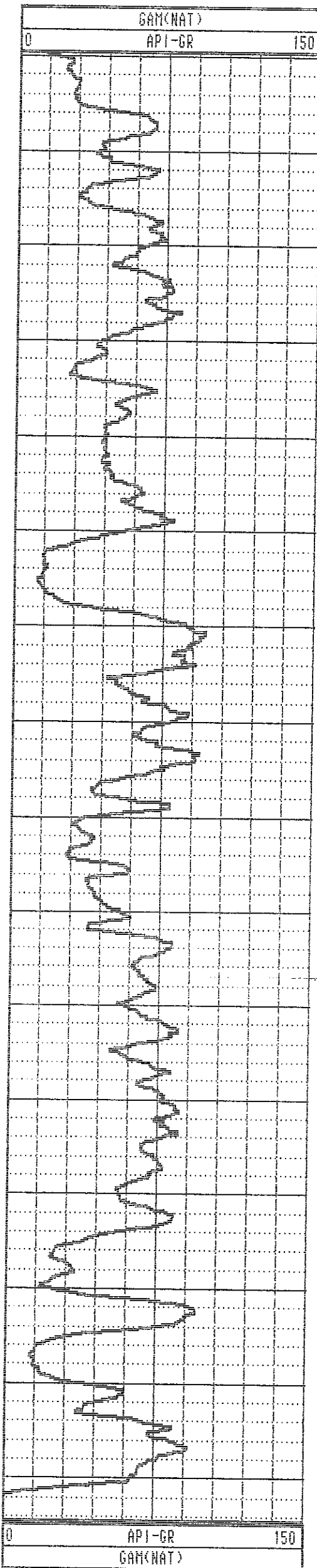


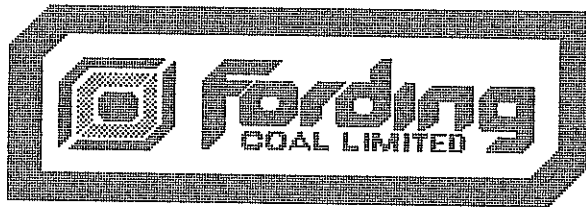
57-8

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 229 09 Neutron	2299	
LOCATION/FIELD	: Henretta		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 07/22/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 80	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 77.40	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: 0.00	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID	: H2o
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 7
		PLOT	: 9055A
		THRESH:	

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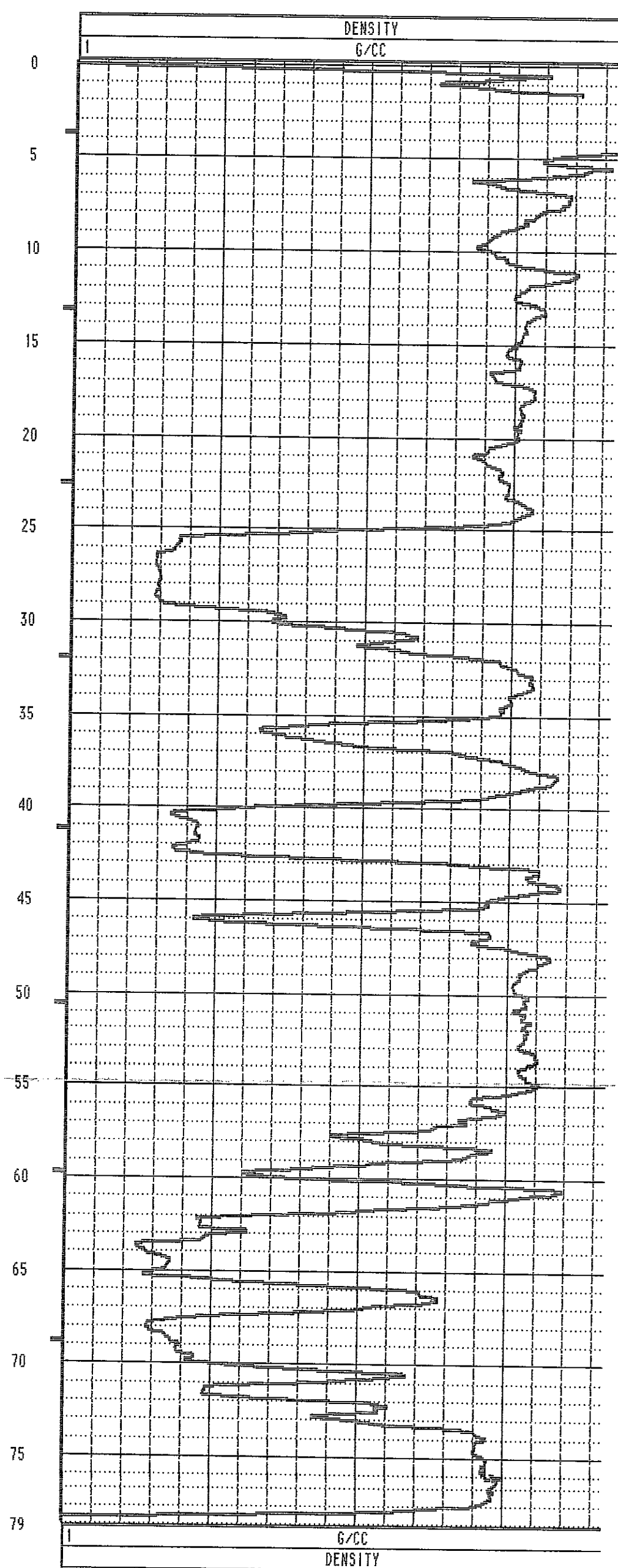
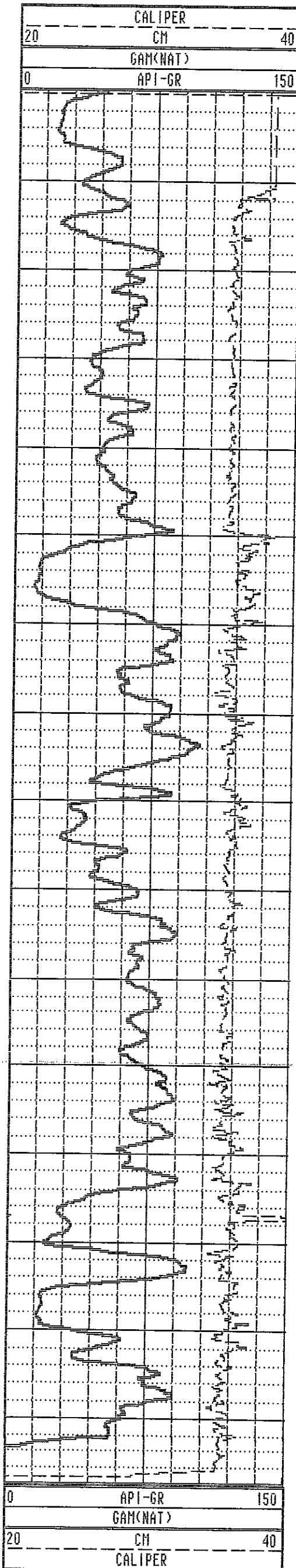


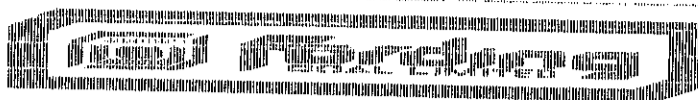


GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 22989 Density	2298
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/22/91	PERMANENT DATUM :
DEPTH DRILLER	: 80	ELEV. PERM. DATUM:
LOG BOTTOM	: 79.10	LOG MEASURED FROM: G.L.
LOG TOP	: -1.90	DRL MEASURED FROM:
CASING DRILLER	: 11.5	LOGGING UNIT
CASING TYPE	: Steel	FIELD OFFICE
CASING THICKNESS:	.03	RECORDED BY
		: Ian Oliver
BIT SIZE	:	BOREHOLE FLUID
MAGNETIC DECL.	: 21	RM
MATRIX DENSITY	:	RM TEMPERATURE
FLUID DENSITY	:	MATRIX DELTA T
NEUTRON MATRIX	:	FLUID DELTA T
REMARKS	:	FILE : ORIGINAL
		TYPE : 9032AA
		LOG : 8
		PLOT : 9032AA
		THRESH:

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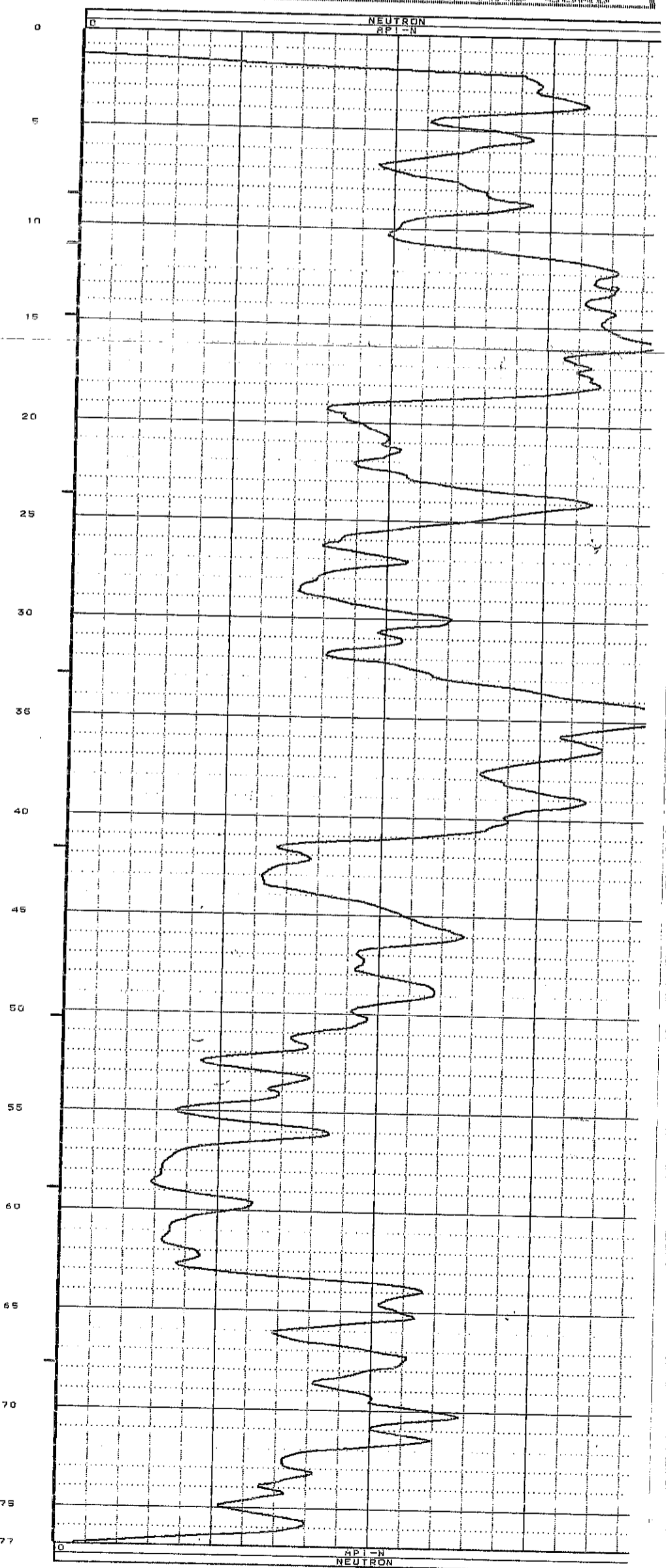
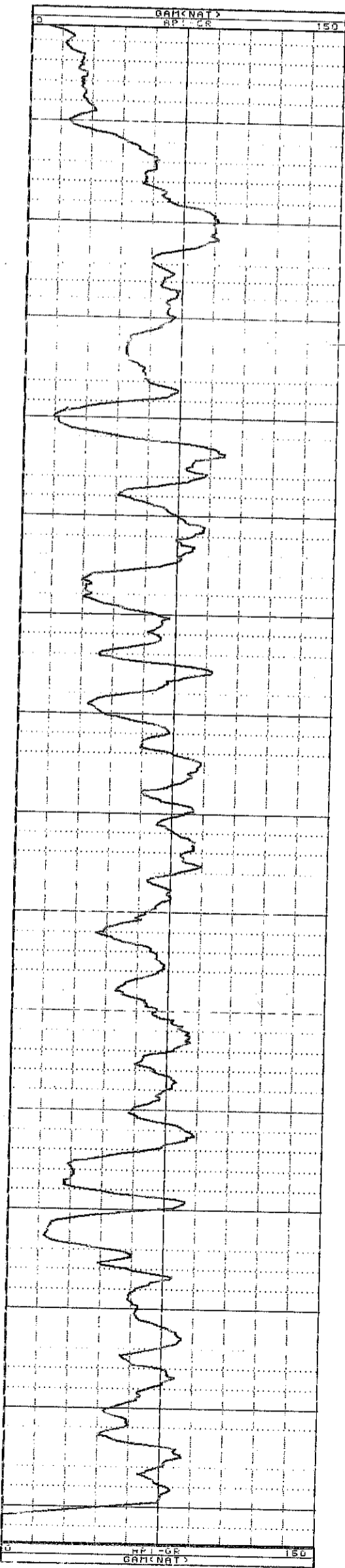


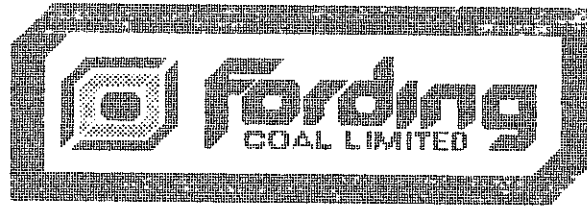


GAMMA - NEUTRON

COMPANY	Frontier Coal	DATE	1988-08-08
LOCAL	Frontier Coal	LOCATION	Frontier Coal
WELL	Frontier Coal	DEPTH	150
LOG	Frontier Coal	LOG	Frontier Coal
...

2300



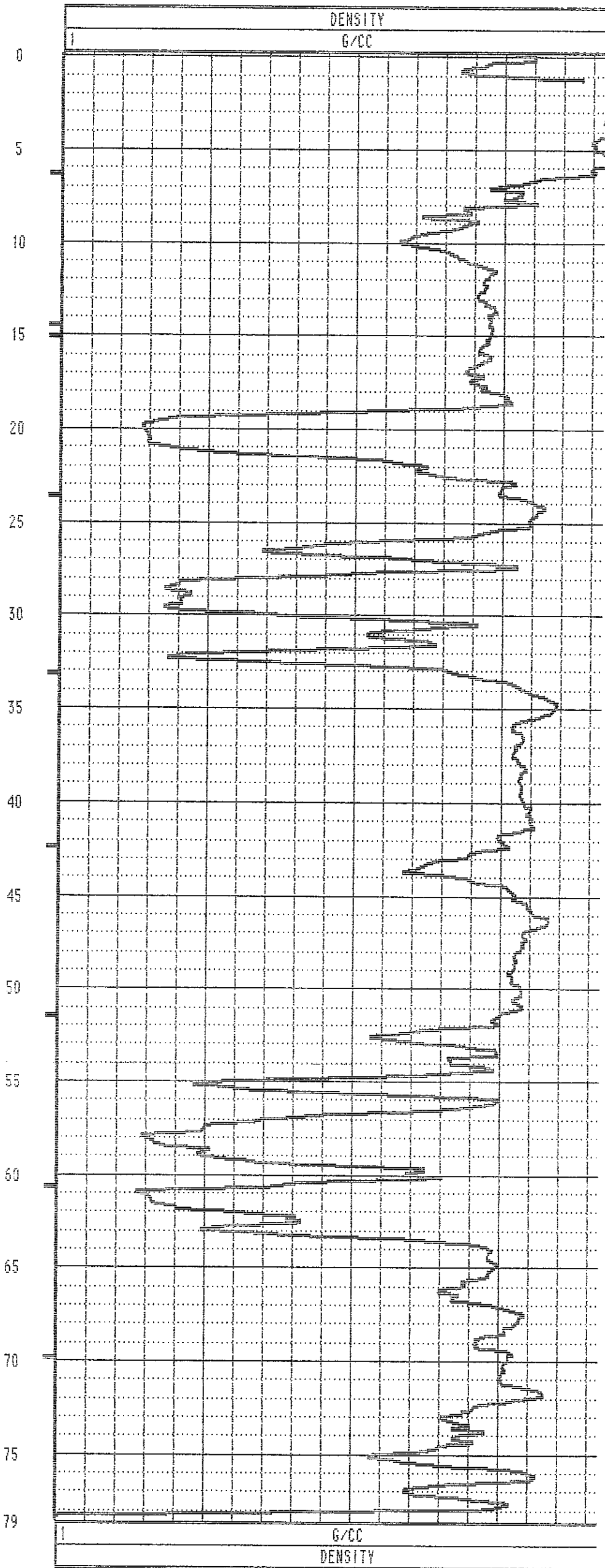
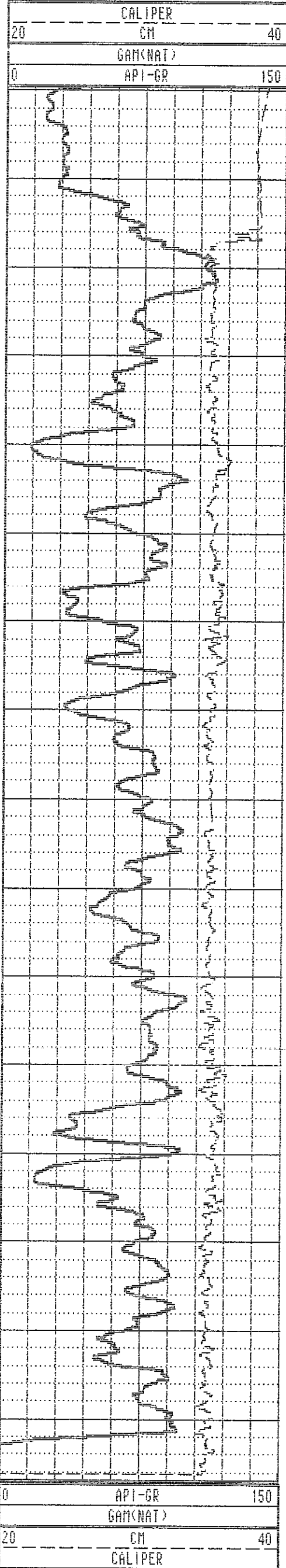


38-7

GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2400 ²³⁰⁰ Hen Density	2300
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/17/91	PERMANENT DATUM :
DEPTH DRILLER	: 80	ELEV. PERM. DATUM:
LOG BOTTOM	: 78.70	LOG MEASURED FROM: G.L.
LOG TOP	: -2.80	DRL MEASURED FROM:
CASING DRILLER	: 11.5	LOGGING UNIT
CASING TYPE	: Steel	FIELD OFFICE
CASING THICKNESS	: .03	RECORDED BY
BIT SIZE	:	BOREHOLE FLUID
MAGNETIC DECL.	: 21	RM
MATRIX DENSITY	:	RM TEMPERATURE
FLUID DENSITY	:	MATRIX DELTA T
NEUTRON MATRIX	:	FLUID DELTA T
REMARKS	:	

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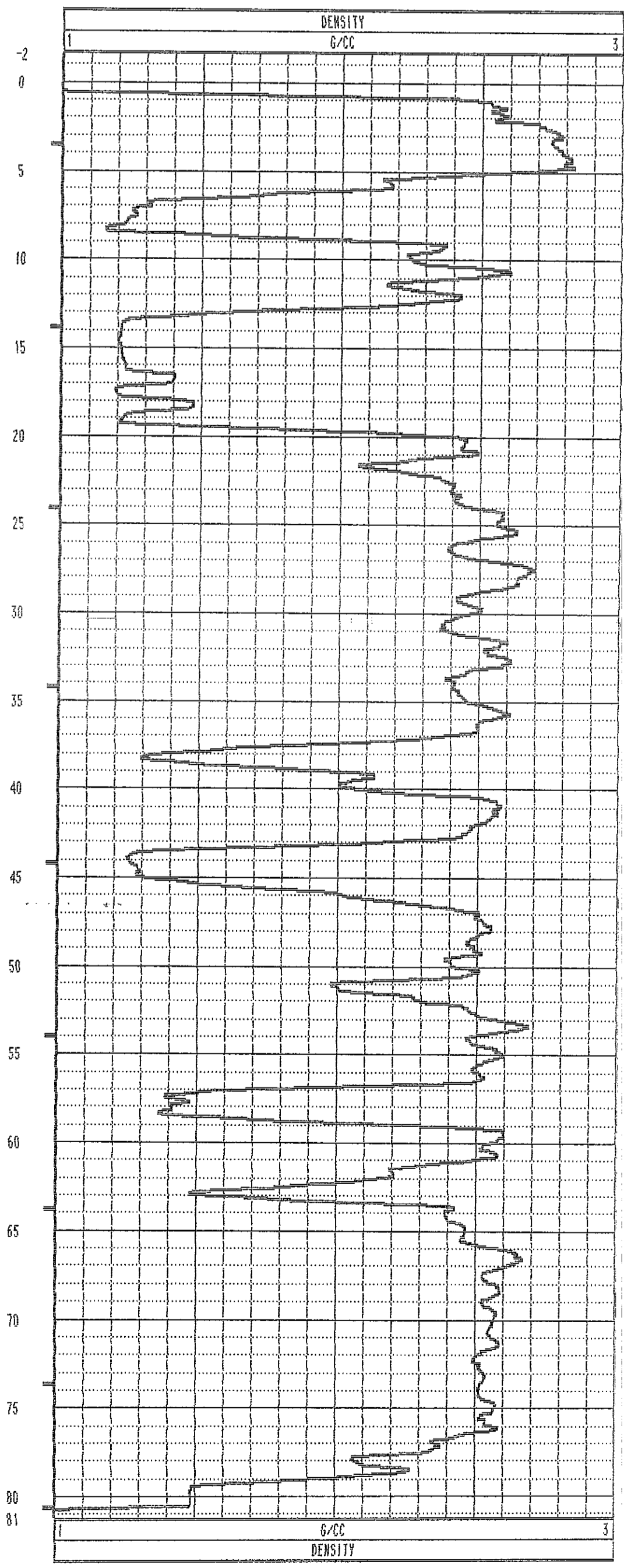
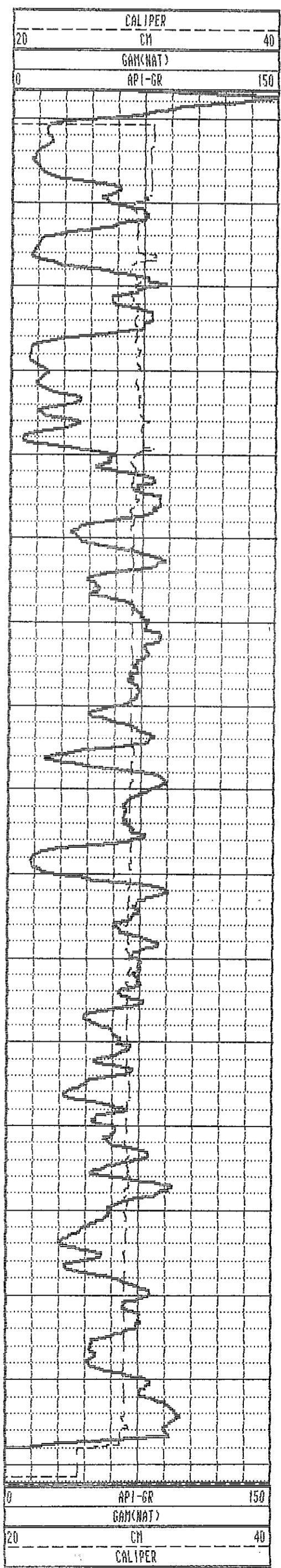
RH ~~2400~~ ²³⁰⁰ HEN DENSITY 07/17/91 967

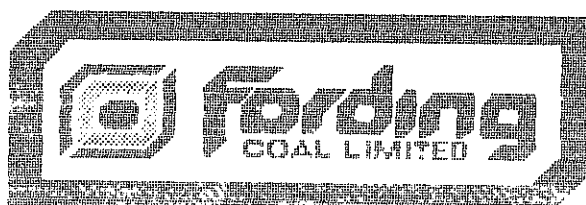


GAMMA-RES-DENSITY

COMPANY	: .fording coal	OTHER SERVICES:	
WELL	: RH 2301 henretta density		2301
LOCATION/FIELD	: henretta		
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 07/05/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	:	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 81.30	LOG MEASURED FROM:	DF :
LOG TOP	: -1.50	DRL MEASURED FROM:	GL :
CASING DRILLER	:	LOGGING UNIT	: 379
CASING TYPE	:	FIELD OFFICE	: G.O.
CASING THICKNESS:		RECORDED BY	: Sandy Ram
BIT SIZE	:	BOREHOLE FLUID	: FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9032AA
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 0
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9032AA 0
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

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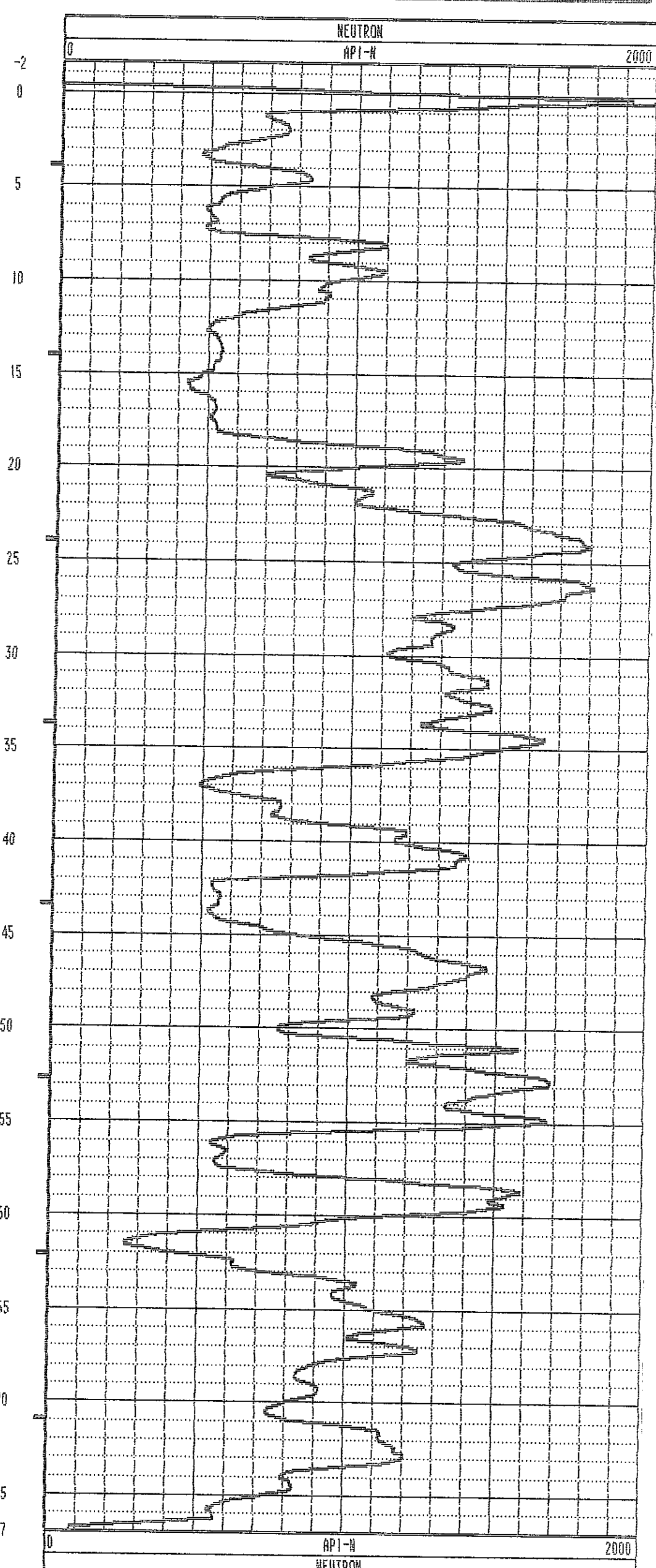
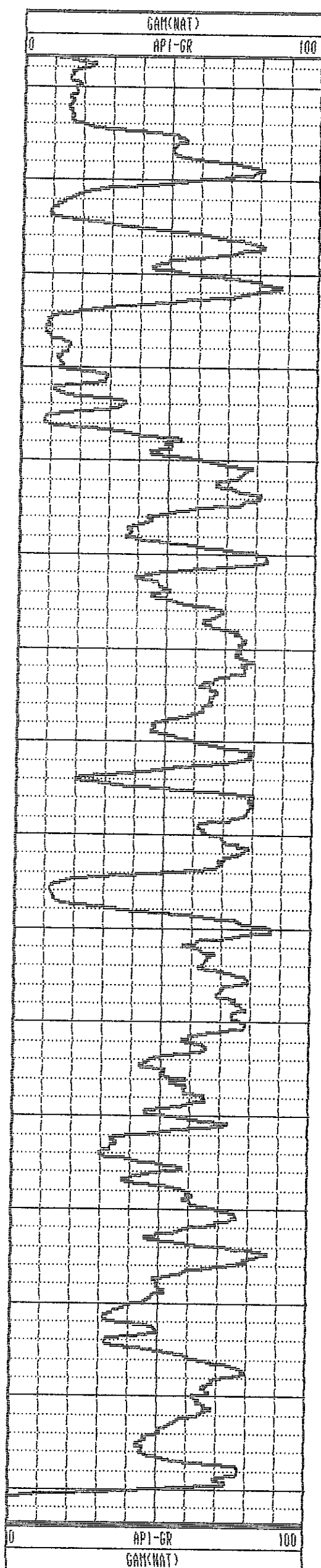




GAMMA-NEUTRON

COMPANY	: .fording coal	OTHER SERVICES:	
WELL	: RH 2301 henretta	2301	42-5
LOCATION/FIELD	: henretta		
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 07/05/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	:	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 77.00	LOG MEASURED FROM:	DF :
LOG TOP	: -1.40	DRL MEASURED FROM:	GL :
CASING DRILLER	:	LOGGING UNIT	: 379
CASING TYPE	:	FIELD OFFICE	: G.O.
CASING THICKNESS:		RECORDED BY	: <i>Sandy Ram</i>
BIT SIZE	:	BOREHOLE FLUID	: FILE : PROCESSED
MAGNETIC DECL.	: 21	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 2
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A 0
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

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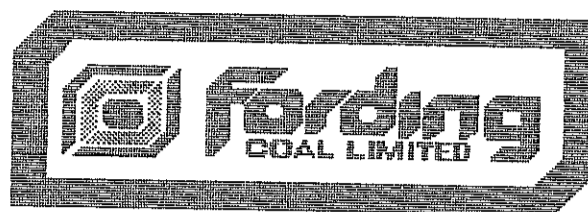
RH 2301 HENRETTA 07/05/91 232



77



RH 2301 HENRETTA 07/05/91 232



29-7

GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : R.H. 2302
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.

OTHER SERVICES:
 2302

SECTION : TOWNSHIP : RANGE :

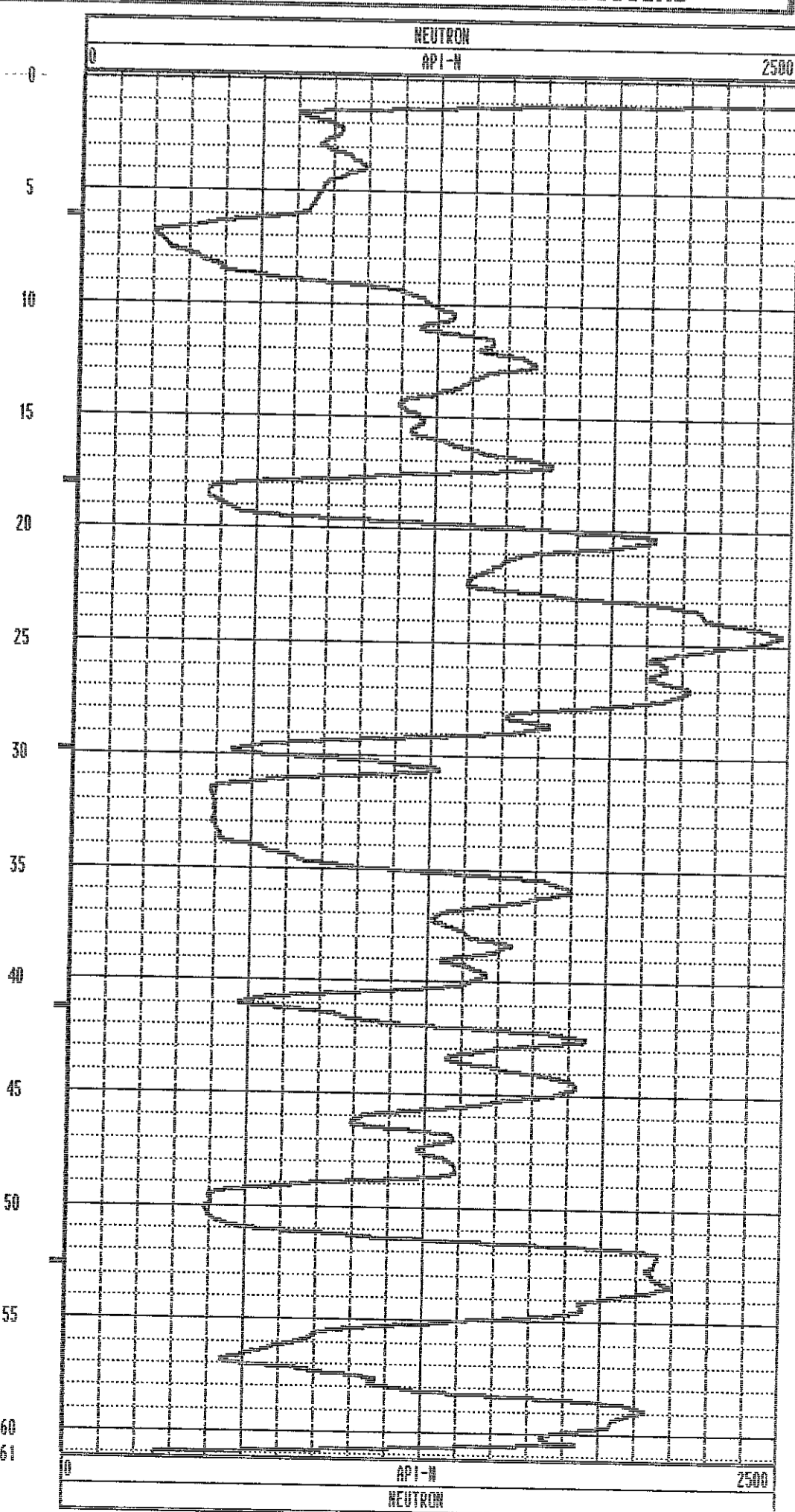
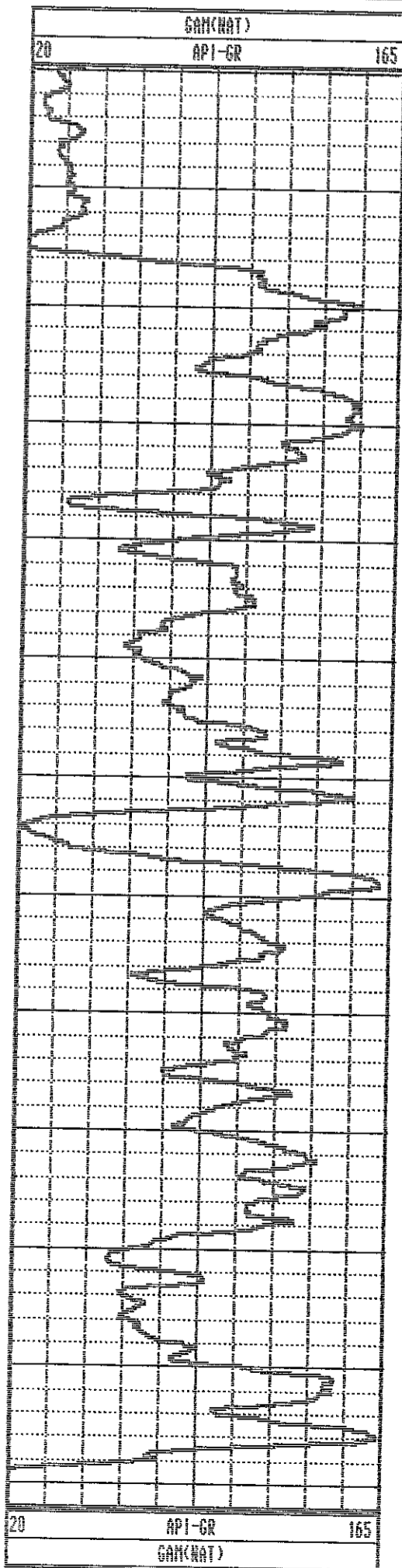
DATE : 07/06/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 60 m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 61.20 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -2.60 DRL MEASURED FROM: GL :

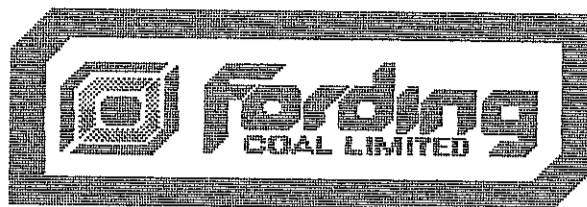
CASING DRILLER : 8 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: RECORDED BY : Sandy

BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 3
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

Open Hole Log
 250

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GAMMA-RES-DENSITY

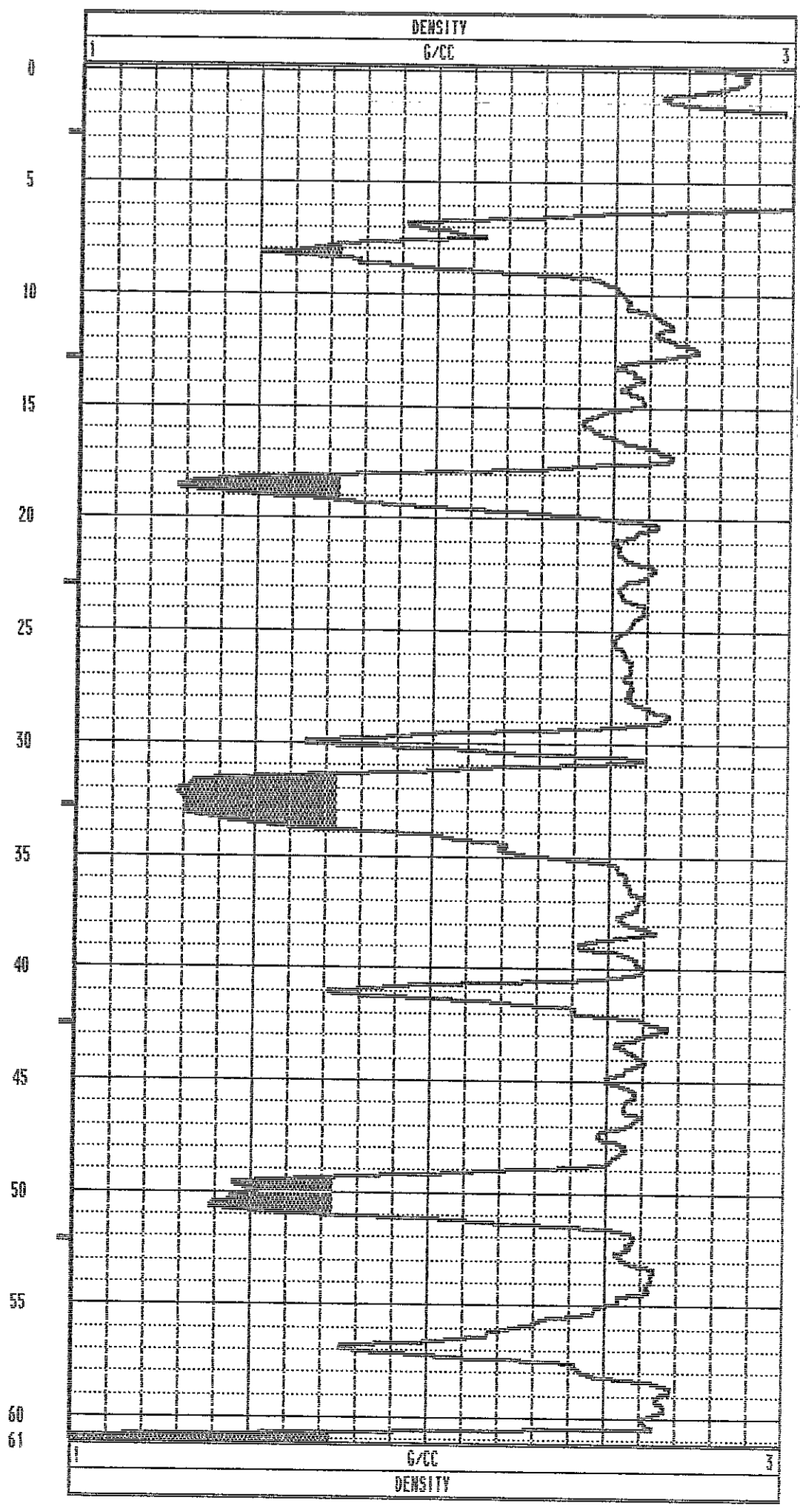
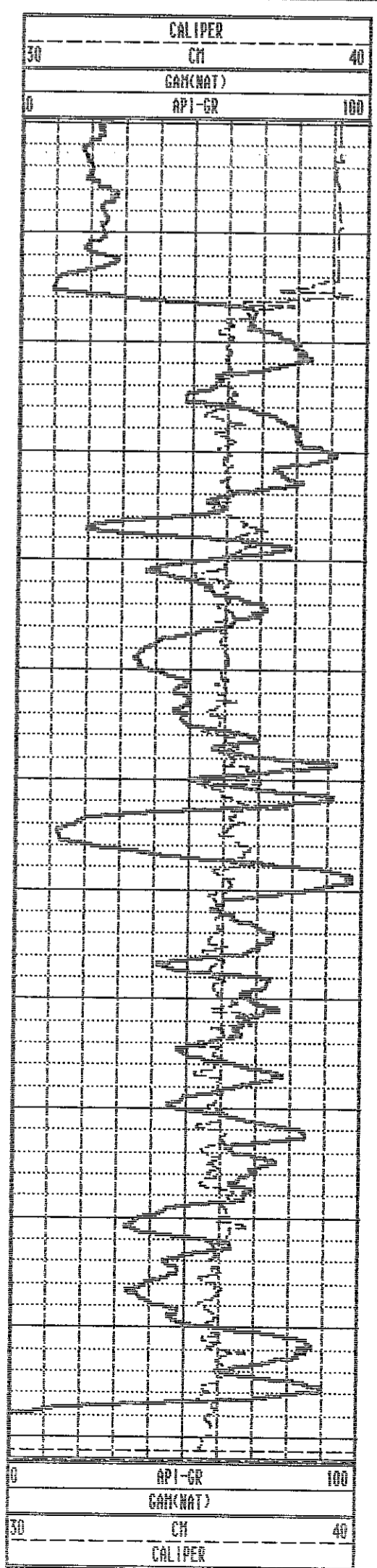
COMPANY : Fording Coal
 WELL : R.H. 2302
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION :

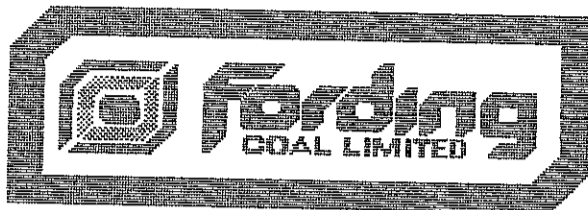
OTHER SERVICES:
2302

TOWNSHIP : RANGE :
 DATE : 07/06/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 60 m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 61.20 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -3.50 DRL MEASURED FROM: GL :
 CASING DRILLER : 8 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: RECORDED BY : Sandy

BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9832AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 4
 FLUID DENSITY : MATRIX DELTA T : PLOT : SHADE 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :
 Open Hole Log

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





35-6

GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : R.H. 2303
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION :

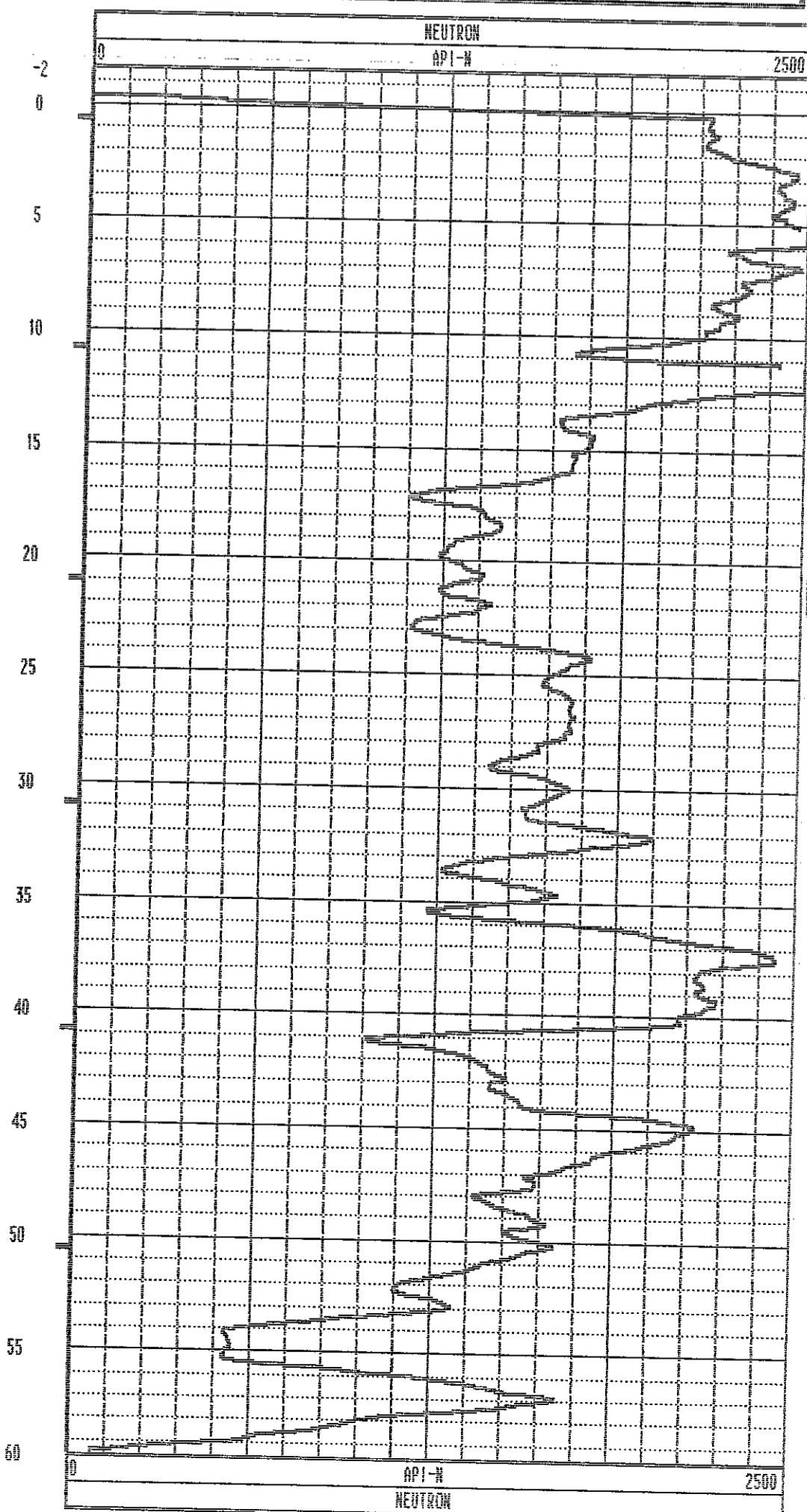
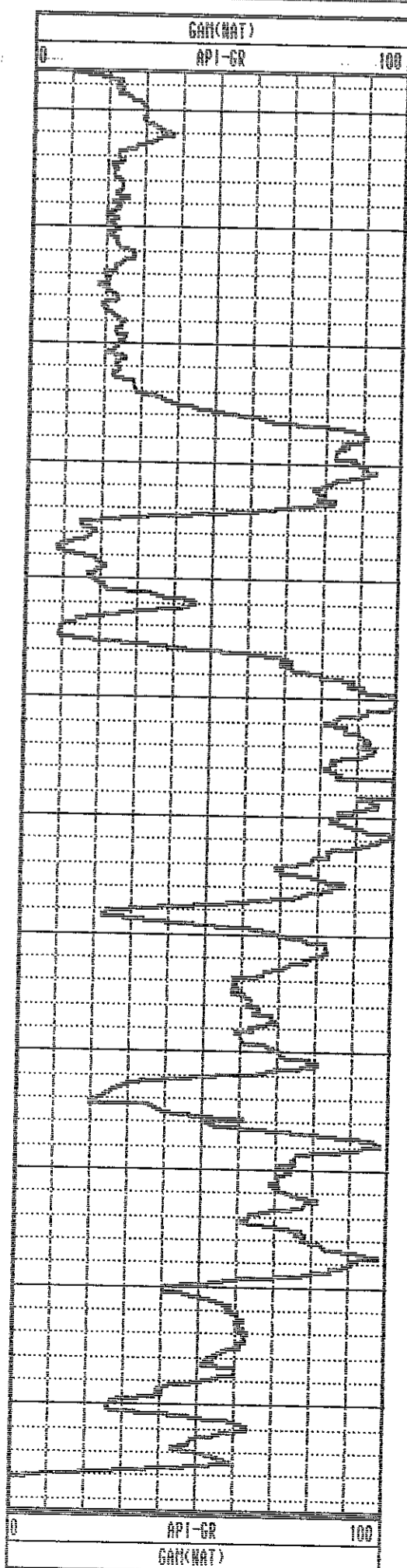
OTHER SERVICES:
2303

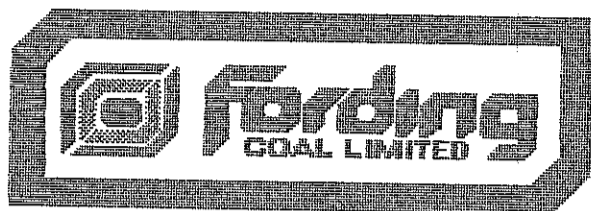
TOWNSHIP : RANGE :
 DATE : 07/06/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 60 m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 59.70 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -1.40 DRL MEASURED FROM: GL :
 CASING DRILLER : 8 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: RECORDED BY : Sandy

BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 5
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A @
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

250 Scale

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : R.H. 2304
 LOCATION/FIELD : Henretta
 COUNTY : E. Kootney
 STATE : B.C.

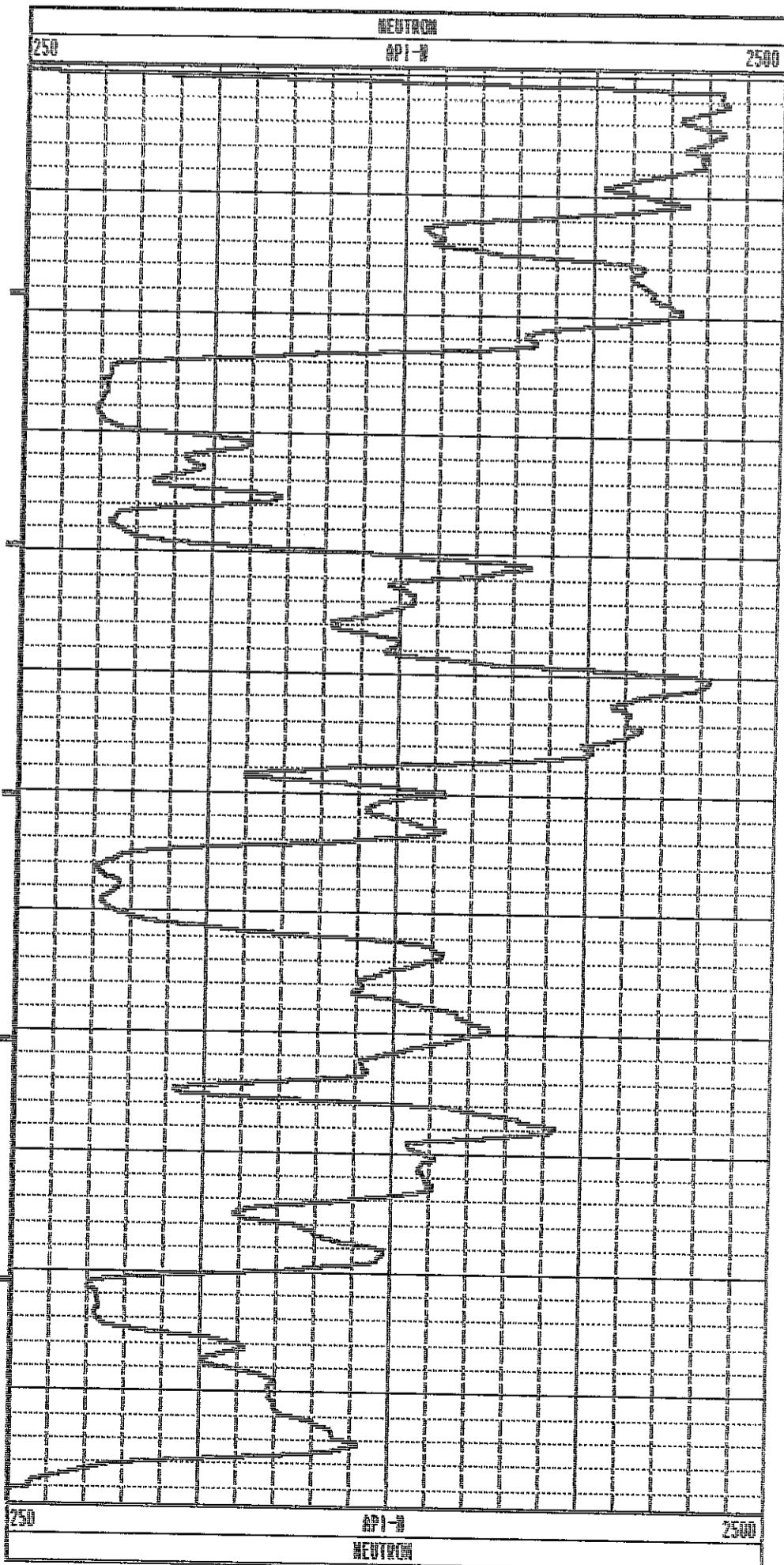
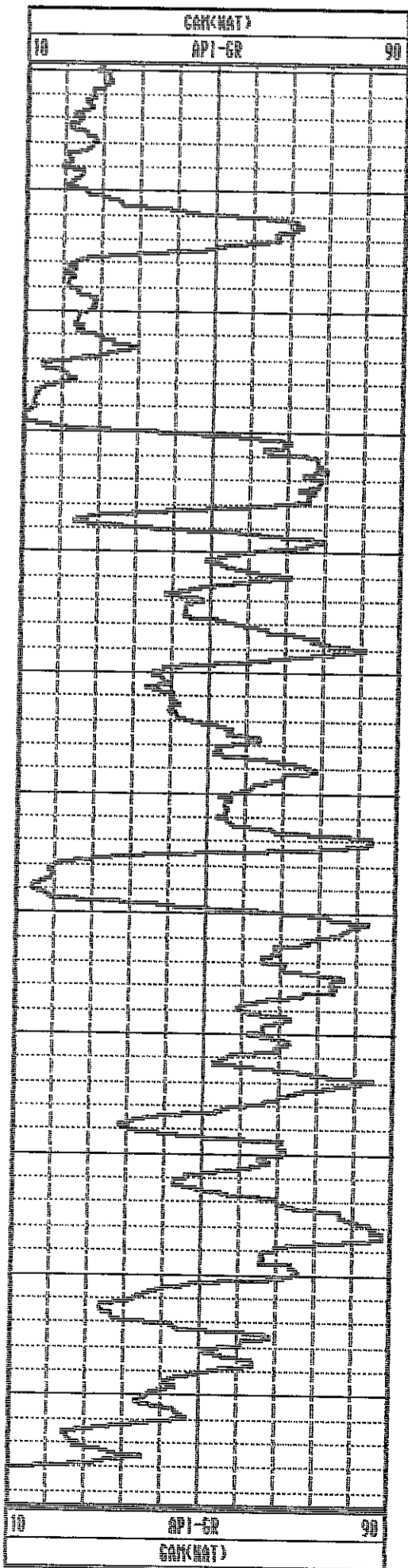
OTHER SERVICES:
 2304

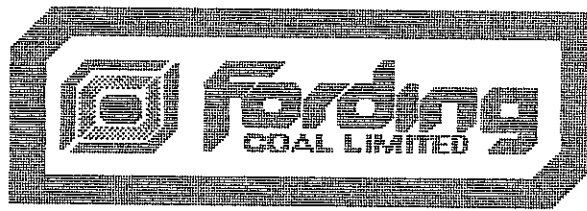
SECTION : TOWNSHIP : RANGE :
 DATE : 07/07/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 60 m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 59.80 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -1.10 DRL MEASURED FROM: GL :
 CASING DRILLER : 8 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: RECORDED BY : Sandy

BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 9
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

250 Scale
 Logged through steel

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

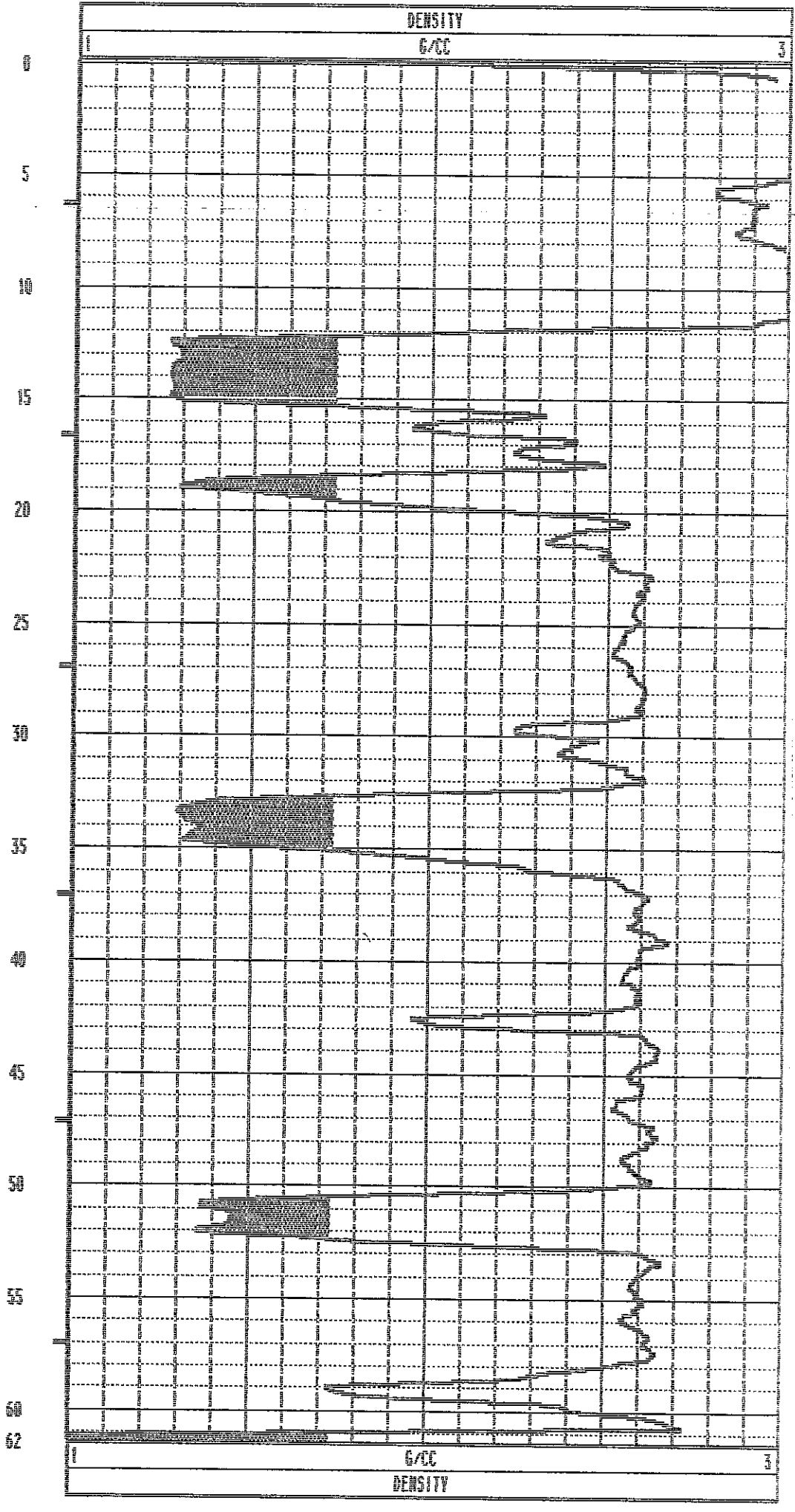
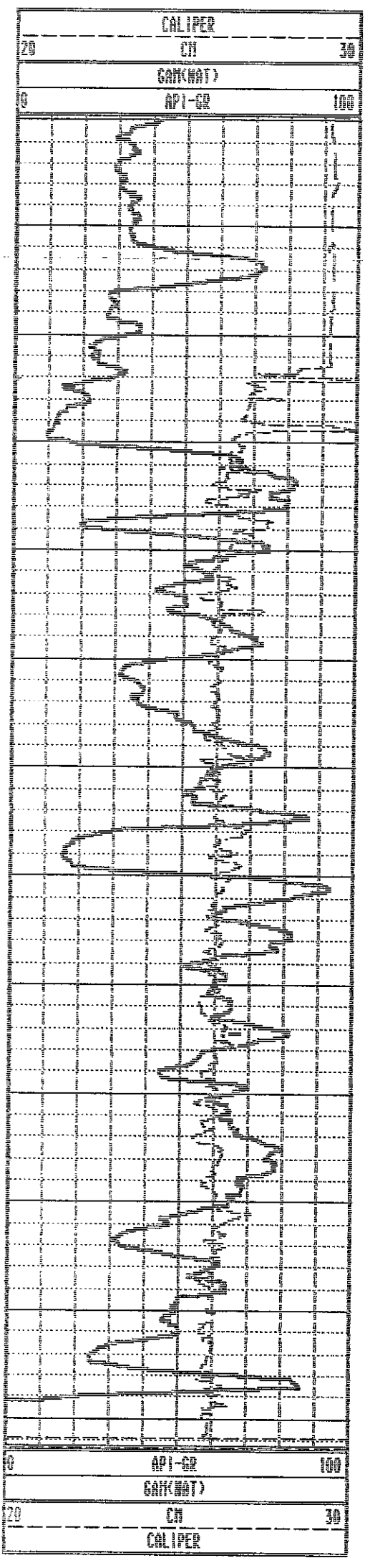


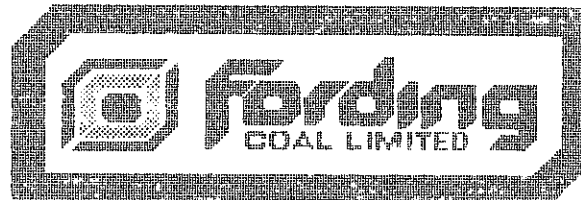


30-6

GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H. 2304	2304	
LOCATION/FIELD	: Henretta		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 07/07/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 60 m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 61.50	LOG MEASURED FROM:	G.L. DF :
LOG TOP	: -2.30	DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Sandy
BIT SIZE	:	BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9032AA
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 2
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : SHADE @
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		
250 Scale			
Density log			
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS			



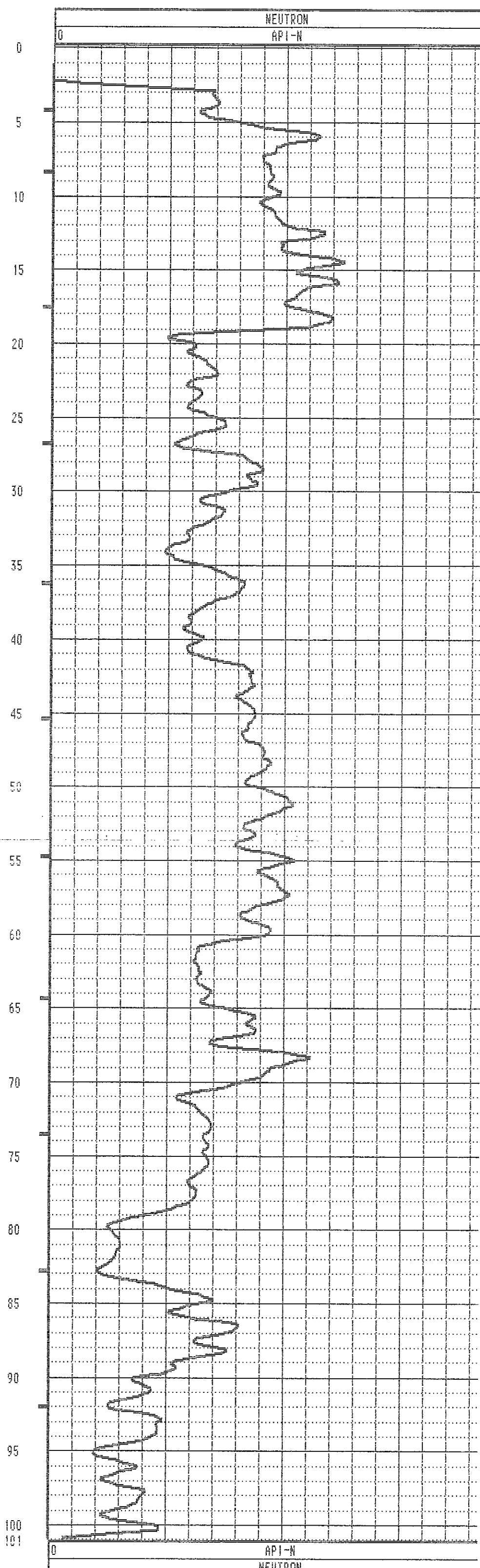
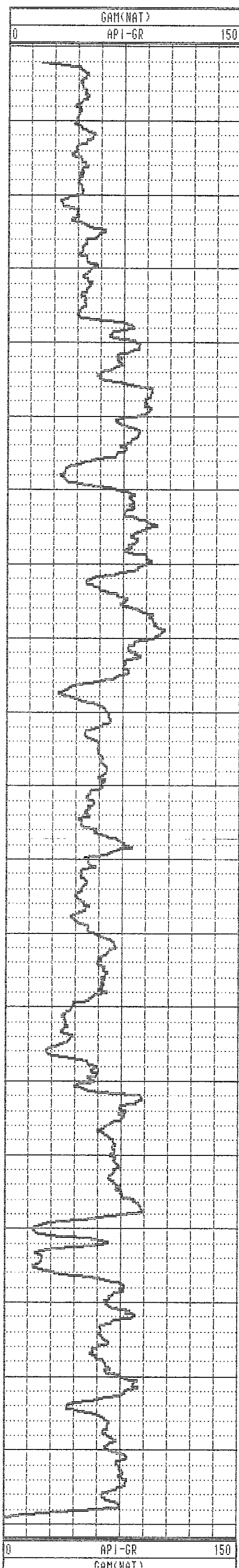


15-4

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2293 Henretta	2293
LOCATION/FIELD	: Henretta	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/16/91 PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER	: 103m ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 101.10 LOG MEASURED FROM: G.L.	BF :
LOG TOP	: 1.20 DRL MEASURED FROM:	GL :
CASING DRILLER	: 11.5 LOGGING UNIT	: 379
CASING TYPE	: Steel FIELD OFFICE	: G.O.
CASING THICKNESS	: .03 RECORDED BY	: Raj Sharna
BIT SIZE	: BOREHOLE FLUID	: H2o FILE : ORIGINA
MAGNETIC DECL.	: 21 RM	: TYPE : 9055A
MATRIX DENSITY	: RM TEMPERATURE	: LOG : 4
FLUID DENSITY	: MATRIX DELTA T	: PLOT : 9055A
NEUTRON MATRIX	: FLUID DELTA T	: THRESH:
REMARKS	:	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





8-2

GAMMA-NEUTRON

COMPANY : Fording Coal
 WELL : R.H. 2350
 LOCATION/FIELD : Castle Mt.
 COUNTY :
 STATE :
 SECTION :

OTHER SERVICES:
 RH 2350
 2350

TOWNSHIP : RANGE :

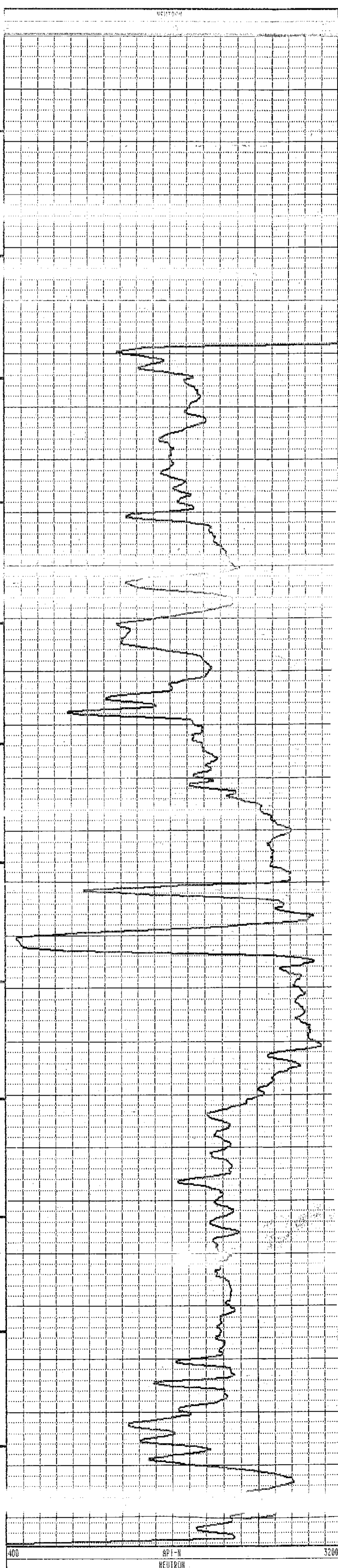
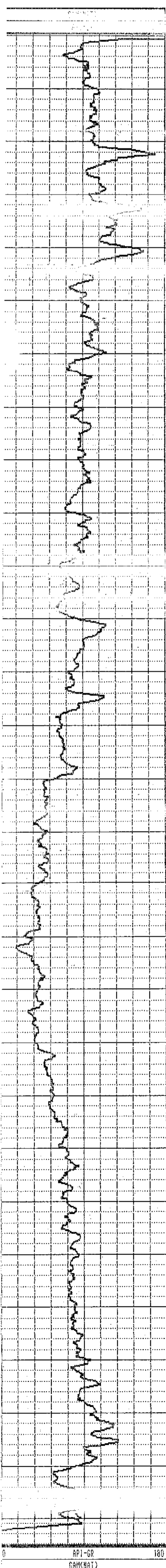
DATE : 09/09/91 PERMANENT DATUM : ELEVATIONS
 BIT DRILLER : 140m ELEV. PERM. DATUM: KB :
 LOG BOTTOM : LOG MEASURED FROM: CT. DT :
 LOG TOP : LOG MEASURED FROM: DT :

SING DRILLER : 30 LOGGING UNIT : 373
 SING TYPE : Steel FIELD OFFICE : G.O.
 SING THICKNESS: .03 RECORDED BY : Sandy

T SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 GHEMIC DECL. : 21 RM TYPE : 9055A
 TRIX DENSITY : RM TEMPERATURE : LOG : 0
 UID DENSITY : MATRIX DELTA T : PLOT : 9055A 0
 UTRON MATRIX : FLUID DELTA T : THRESH:
 MARKS :

Open Hole Log

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



146683.48
25201.85
1826.24

2350

GAMMA-RES-DENSITY

PANY : Fording Coal
L : R.H. 2350
ATION/FIELD : Castle Mt.
NTY :
TE :
TION :

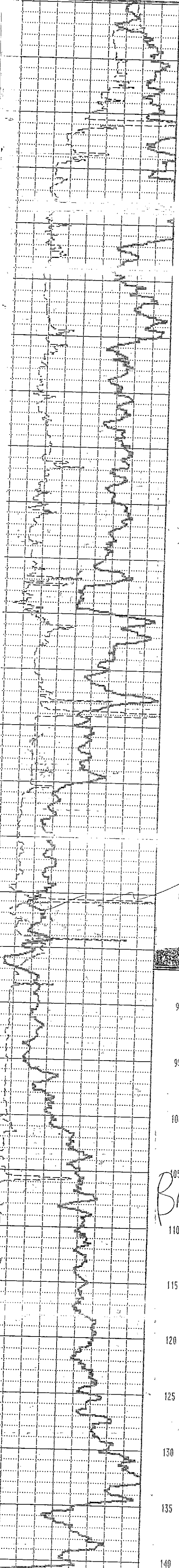
OTHER SERVICES:
RH 2350
Castle
Den.

ION : TOWNSHIP : RANGE :
E : 09/09/91 PERMANENT DATUM : ELEVATIONS
TH DRILLER : 140m ELEV. PERM. DATUM: KB :
BOTTOM : 143.30 LOG MEASURED FROM: GL :
TOP : -2.60 DRL MEASURED FROM: DF :
GL :
ING DRILLER : 30 LOGGING UNIT : 379
ING TYPE : Steel FIELD OFFICE : G.O.
IN :

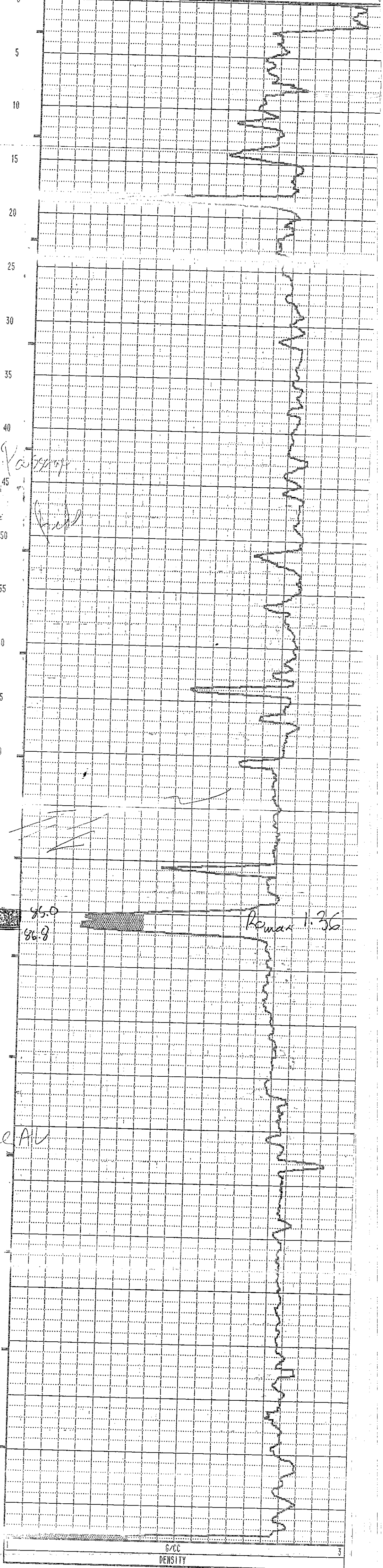
SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
NETIC DECL. : 21 RM : TYPE : 9032AA
RIX DENSITY : RM TEMPERATURE : LOG : 2
ID DENSITY : MATRIX DELTA T : PLOT : SHADE 0
IRON MATRIX : FLUID DELTA T : THRESH:
ARKS :
en Hole Log

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

CALIPER
CH 40
GAMCART
API-GR 70



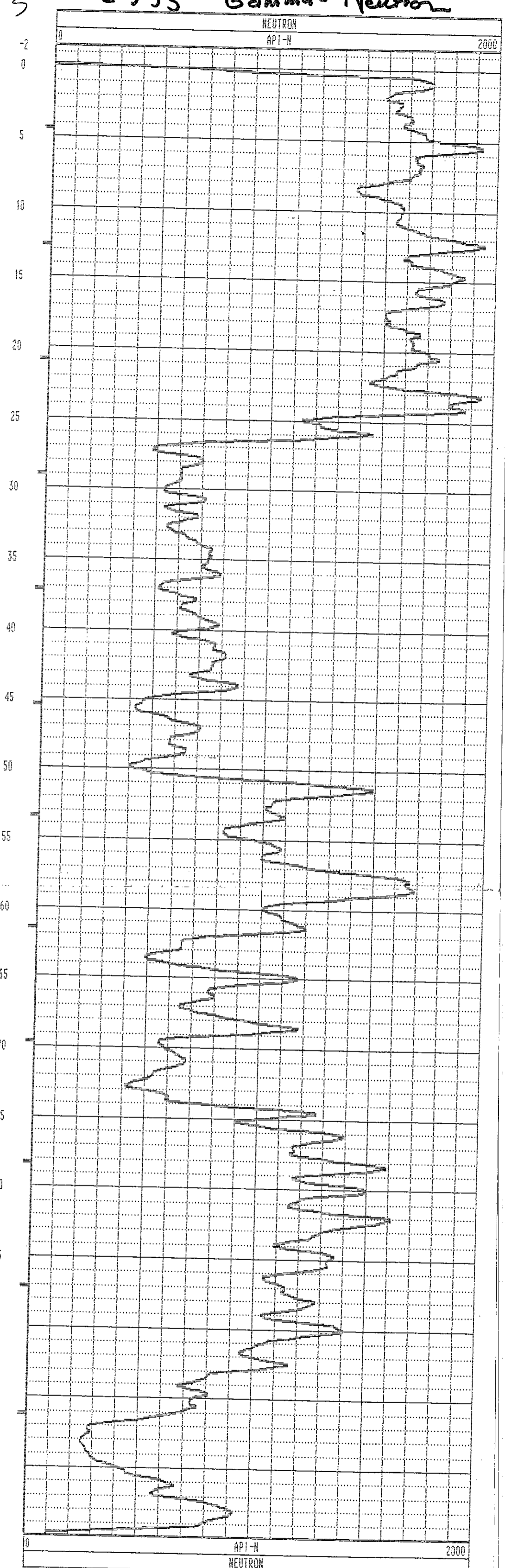
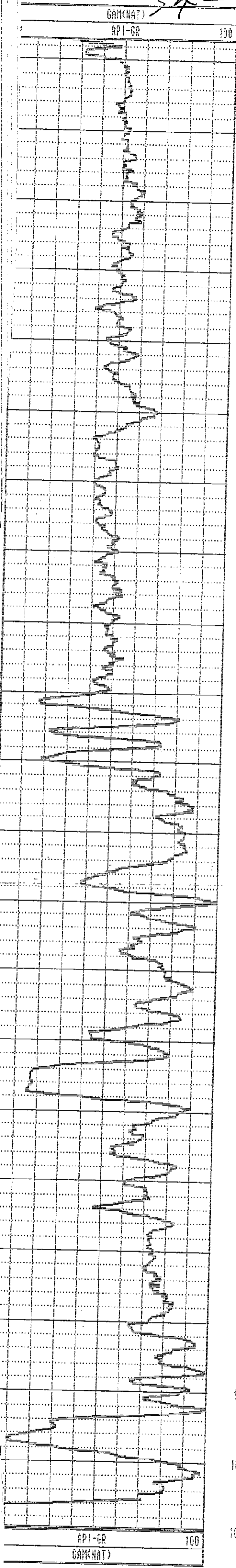
DENSITY
G/CC



API-GR 70
GAMCART
CH 40
CALIPER

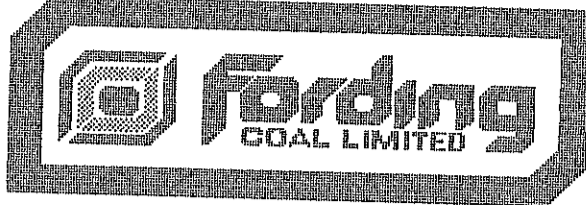
G/CC
DENSITY 3

34-5 2335 Gamma-Neutron



RH 2335 GAMMA-NEUTRON 08/20/91 232

24 METRES OF CASING

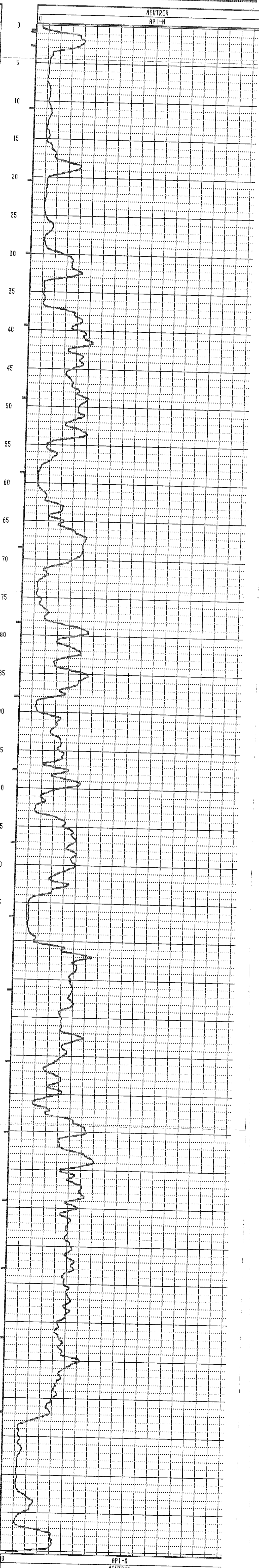
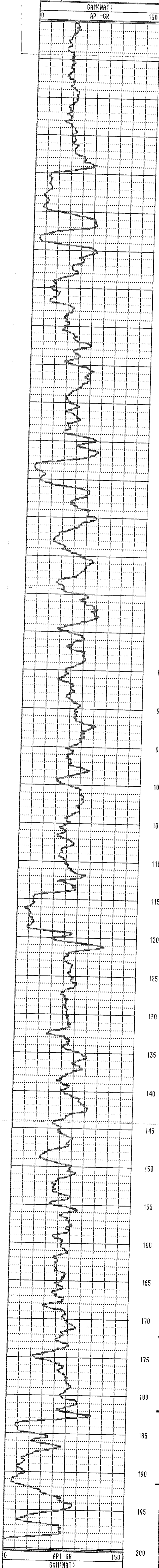


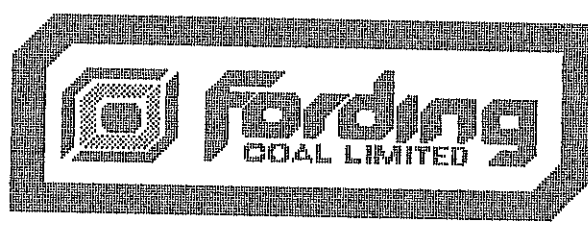
113-13

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2336 Castle	2336
LOCATION/FIELD	: Castle	
COUNTY	:	
STATE	:	
SECTION	:	TOWNSHIP : RANGE :
DATE	: 08/05/91	PERMANENT DATUM :
DEPTH DRILLER	: 204n	ELEV. PERM. DATUM:
LOG BOTTOM	: 200.40	LOG MEASURED FROM: G.L.
LOG TOP	: -6.00	DRL MEASURED FROM:
CASING DRILLER	: 6	LOGGING UNIT : 379
CASING TYPE	: Steel	FIELD OFFICE : G.O.
CASING THICKNESS	: .03	RECORDED BY : Raj Sharna
BIT SIZE	:	BOREHOLE FLUID : H2O
MAGNETIC DECL.	:	RM
MATRIX DENSITY	:	RM TEMPERATURE :
FLUID DENSITY	:	MATRIX DELTA T :
NEUTRON MATRIX	:	FLUID DELTA T :
REMARKS	:	FILE : ORIGINA
		TYPE : 9055A
		LOG : 4
		PLOT : 9055A
		THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

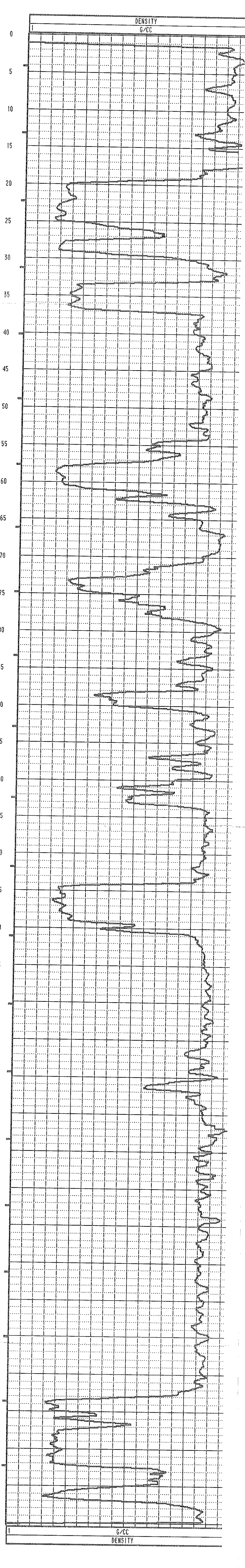
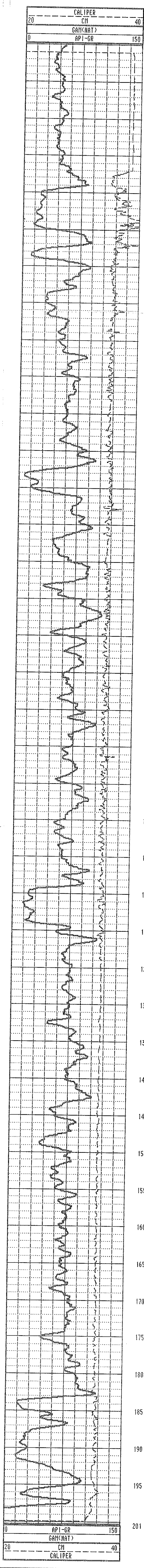


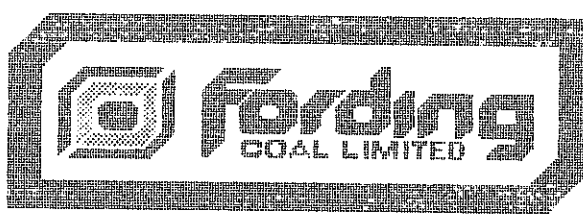


GAMMA-RES-DENSITY

COMPANY : Fording Coal	OTHER SERVICES:	
WELL : RH 2336 Castle Den	2336	
LOCATION/FIELD : Castle		
COUNTY :		
STATE :		
SECTION :	TOWNSHIP : RANGE :	
DATE : 08/06/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 204m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 200.50	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -0.90	DRL MEASURED FROM:	GL :
CASING DRILLER : 6	LOGGING UNIT : 379	
CASING TYPE : Steel	FIELD OFFICE : G.O.	
CASING THICKNESS : .03	RECORDED BY : Raj Sharma	
BIT SIZE :	BOREHOLE FLUID : H2O	FILE : ORIGINAL
MAGNETIC DECL. :	RM :	TYPE : 9032AA
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 7
FLUID DENSITY :	MATRIX DELTA T :	PLOT : 9032AA
NEUTRON MATRIX :	FLUID DELTA T :	THRESH:
REMARKS :		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



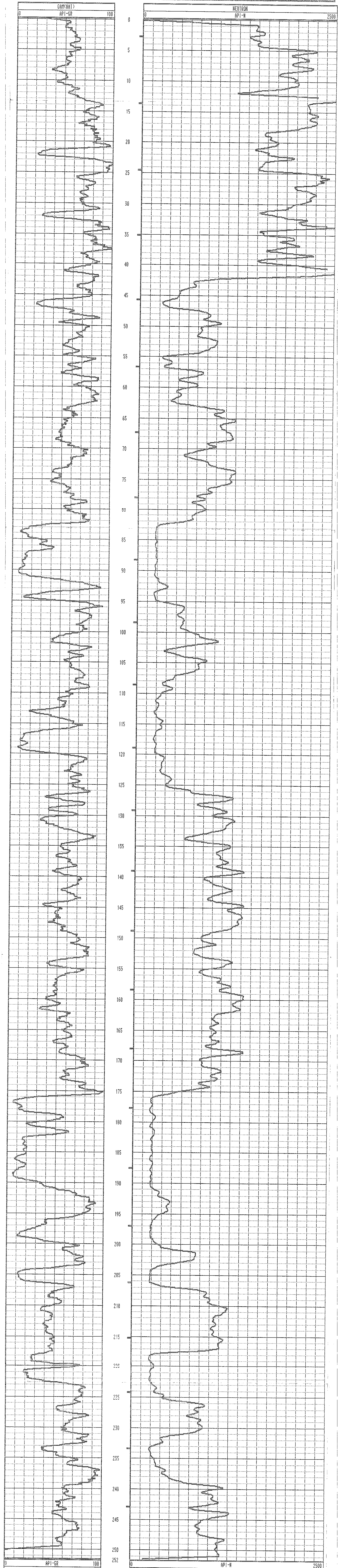


148-11

GAMMA-NEUTRON

COMPANY : Fording Coal	OTHER SERVICES: RH2337	
WELL : RH 2337	Castle	
LOCATION/FIELD : Castle Mt.	G/N 2337	
COUNTY :		
STATE :		
SECTION :	TOWNSHIP : RANGE :	
DATE : 08/24/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 250 n	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 251.70	LOG MEASURED FROM: G.L.	DF :
LOG TOP : -0.90	DRL MEASURED FROM:	GL :
CASING DRILLER : 12.0	LOGGING UNIT : 379	
CASING TYPE : Steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .03	RECORDED BY : Sandy	
BIT SIZE :	BOREHOLE FLUID : H2O	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM :	TYPE : 9855A
FLUID DENSITY :	RM TEMPERATURE :	LOG : 9
NEUTRON MATRIX :	MATRIX DELTA T :	PLOT : 9855A 0
REMARKS :	FLUID DELTA T :	THRESH:

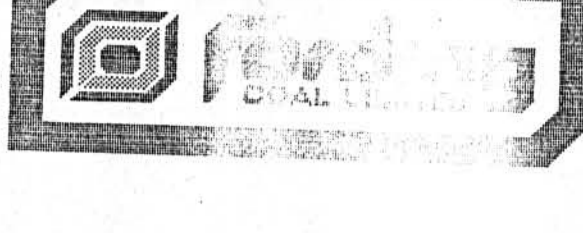
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2338

147079.57
26675.02
1943.33

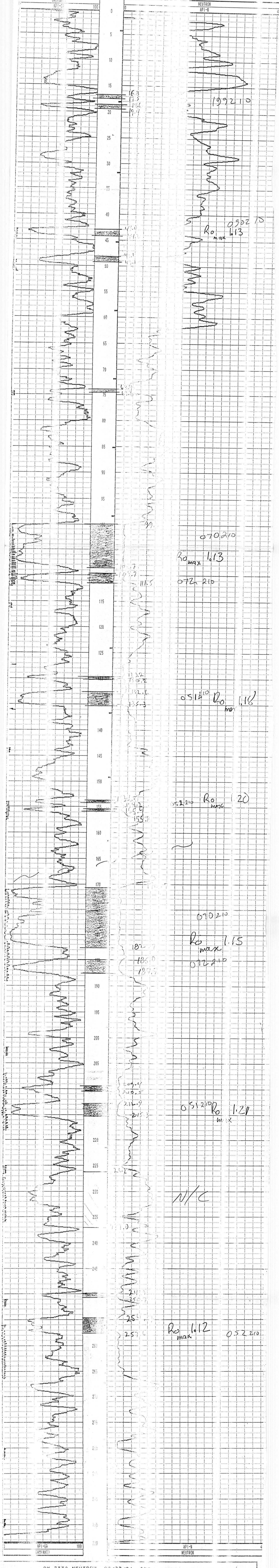
1681-16



GAMMA-NEUTRON

COMPANY : Fording Coal	OTHER SERVICES: RI 2338	
WELL : RH 2338 NEUTRON	Castle	
LOCATION/FIELD : Brownie	ON	
COUNTY :		
STATE :		
SECTION :	TOWNSHIP :	
	RANGE :	
DATE : 08/27/91	PERMANENT STRAIN :	ELEVATIONS
DEPTH DRILLER : 150	ELEV. PERM. BATHY :	KB :
LOG BOTTOM : 298.70	LOG MEASURED FROM C.L. :	DF :
LOG TOP : 0.60	DRL MEASURED FROM :	GL :
LOGGING DRILLER : 12.0	LOGGING UNIT : 379	
LOGGING TYPE : Steel	FIELD OFFICE : C.O.	
LOGGING THICKNESS : .03	RECORDED BY : Randy	
LOG BIT SIZE :	BOREHOLE DIAVID : 8.00	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM :	TYPE : 90550
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 0
FLUID DENSITY :	MATRIX DELTA G :	PLOT : 90550 0
NEUTRON MATRIX :	FLUID DELTA G :	THRESH :
REMARKS :		

RH 2338 NEUTRON
BARRY MUSIL HAS NO FRIENDS DO NOT BOSS UP
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





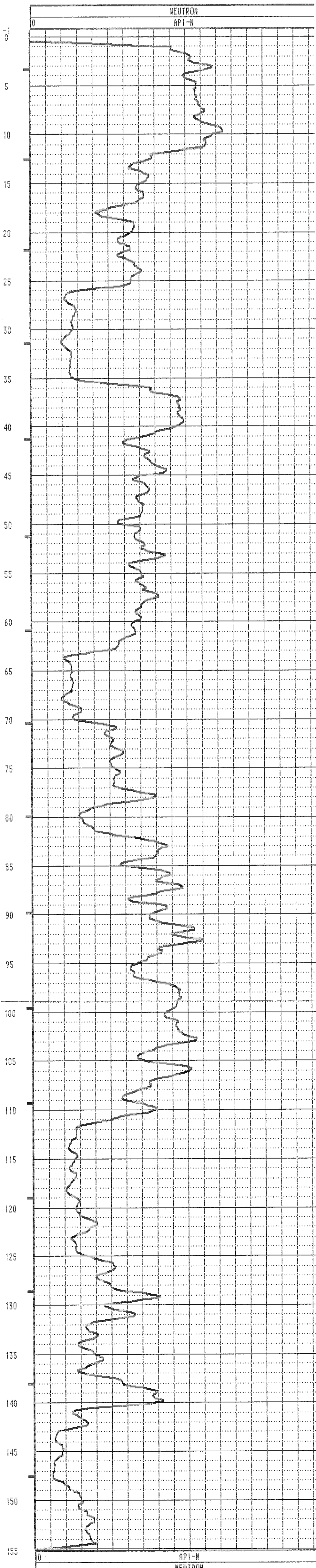
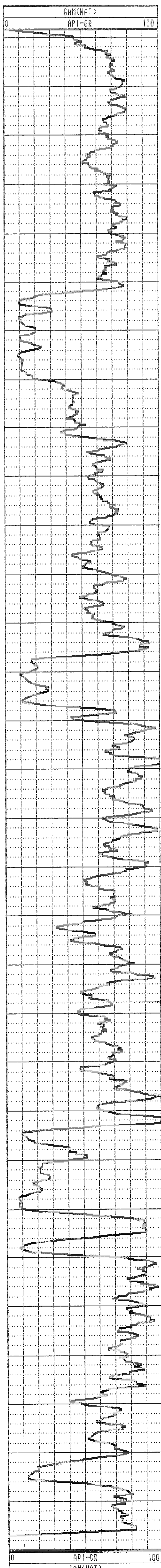
18-2

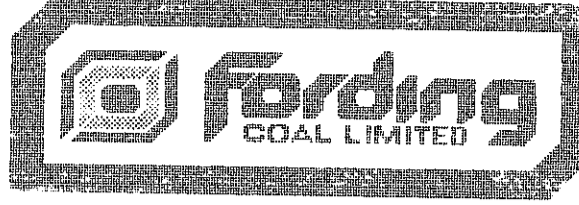
28201

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2339 Castle Neutron		<i>RH 2339</i>
LOCATION/FIELD	: Castle		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	: TOWNSHIP	: RANGE	:
DATE	: 08/02/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 150.5m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 155.20	LOG MEASURED FROM:	G.L. BF :
LOG TOP	: -0.60	DRL MEASURED FROM:	GL :
CASING DRILLER	: 3	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Aaron Penman
BIT SIZE	:	BOREHOLE FLUID	: H2o FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 1
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



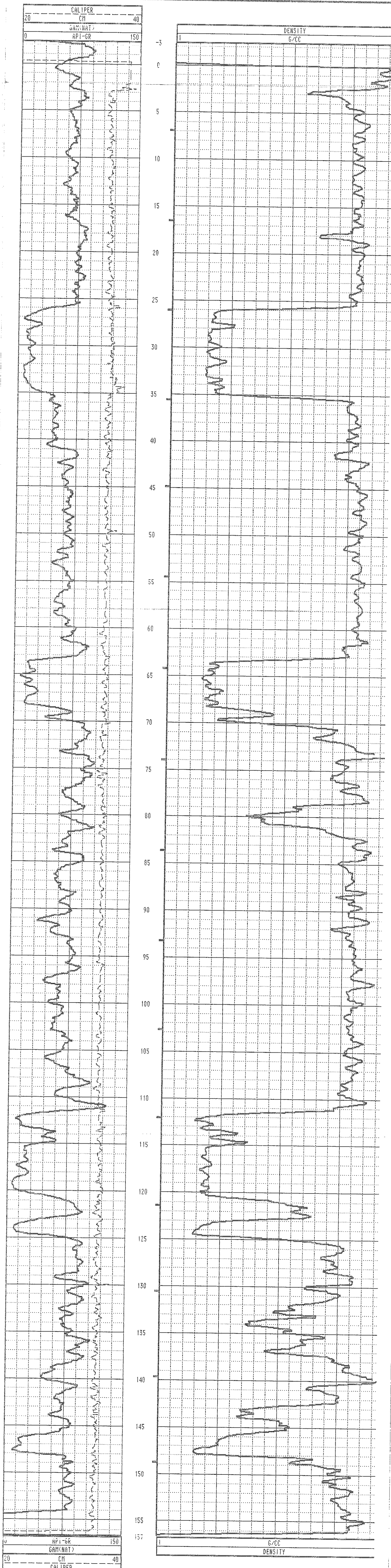


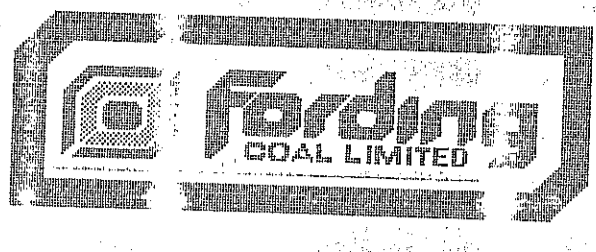
GAMMA-RES-DENSITY

COMPANY : Fording Coal
 WELL : RH 2339 Density
 LOCATION/FIELD : Castle
 COUNTY :
 STATE :
 SECTION : TOWNSHIP : RANGE :
 DATE : 08/02/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 157 ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 156.80 LOG MEASURED FROM: G.I. DF :
 LOG TOP : -2.20 DRL MEASURED FROM: GL :
 CASING DRILLER : LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Aaron Penman
 BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : RM : TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 5
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9032AA
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

OTHER SERVICES:
RH 2339

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





97-10

GAMMA-NEUTRON

WELL NAME : Fording Coal
 WELL NO. : RH 2340 NEUTRON
 LOCATION/FIELD : Taylor

OTHER SERVICES:
 RI 2340

2340

DATE : : TOWNSHIP : RANGE :

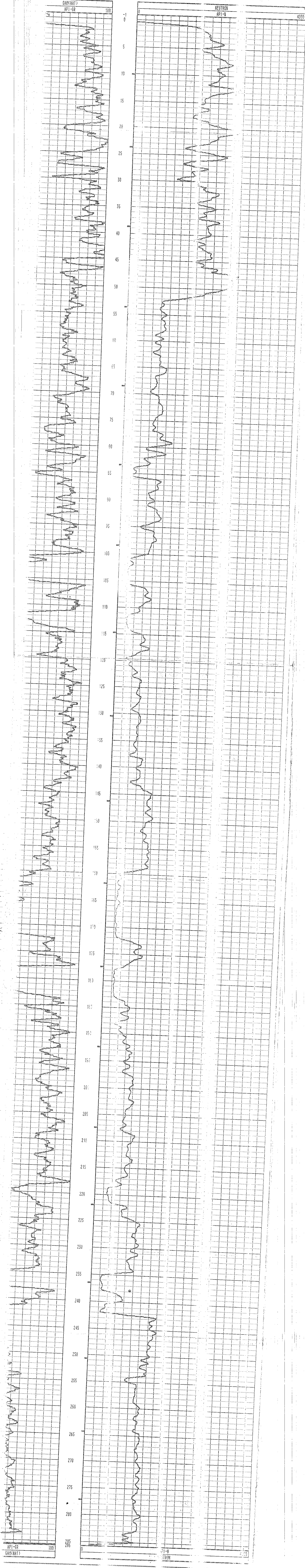
DATE : 09/06/91 PERMANENT DATUM : ELEVATIONS
 DRILLER : ELEV. PERM. DATUM : KB :
 BOTTOM : 285.80 LOG MEASURED FROM : DE :
 TOP : -0.70 DRL MEASURED FROM : GF :

DRILLER : LOGGING UNIT : 379
 TYPE : FIELD OFFICE : G.O.
 THICKNESS : RECORDED BY : IAN OLIVER

BOREHOLE FLUID : RM : FILL : ORIGINAL
 RM TEMPERATURE : LOG : 4
 MATRIX DELTA T : PERM : 9055A 0
 FLUID DELTA T : TRESH :

WELL SIZE :
 MAGNETIC DECL. : 21
 ROCK DENSITY :
 GROUND MATRIX :
 LOGS :
 RI 2340 NEUTRON

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



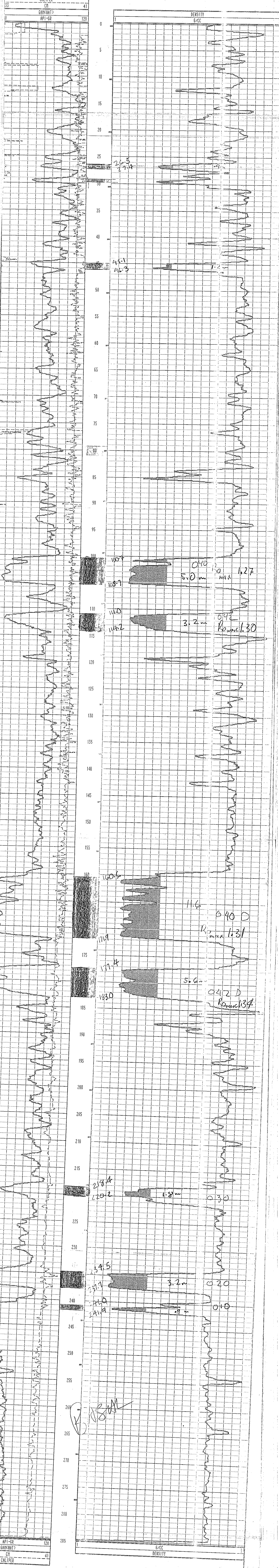
147287.59
26273.62
1824.60

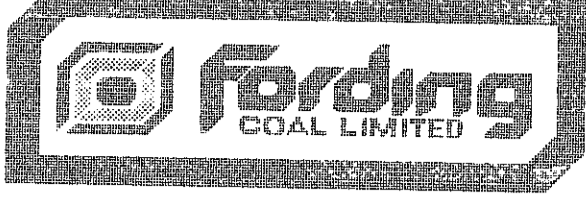
2340

GAMMA-RES-DENSITY

COMPANY : Fording Coal	OTHER SERVICE : RH2340
WELL : RH2340	Castle
LOCATION/FIELD : Castle	N/G Den.
COUNTY : E.Kootney	
STATE : B.C.	
SECTION : TOWNSHIP : RANGE :	
DATE : 09/26/91	PERMANENT DATUM : ELEVATIONS
DEPTH DRILLER : 200	ELEV. PERM. DATUM: KB :
LOG BOTTOM : 285.00	LOG MEASURED FROM: GL DF :
LOG TOP : -2.00	DRL MEASURED FROM: GL :
LOGGING DRILLER : 3	LOGGING UNIT : 379
LOGGING TYPE : Steel	FIELD OFFICE : G.O.
LOGGING THICKNESS: .03	RECORDED BY : Sandy
LOG BIT SIZE : BOREHOLE FLUID : H2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM : TYPE : 9032AA
MATRIX DENSITY : RM TEMPERATURE :	LOG : 2
FLUID DENSITY : MATRIX DELTA T :	PLOT : SHADE 0
NEUTRON MATRIX : FLUID DELTA T :	THRESH :
REMARKS : Open Hole Log	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



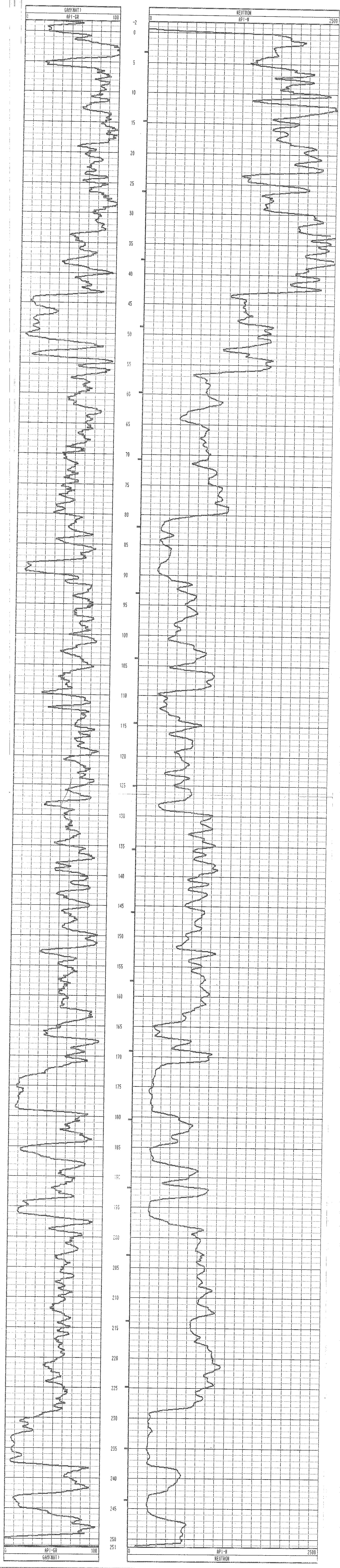


117-14

GAMMA-NEUTRON

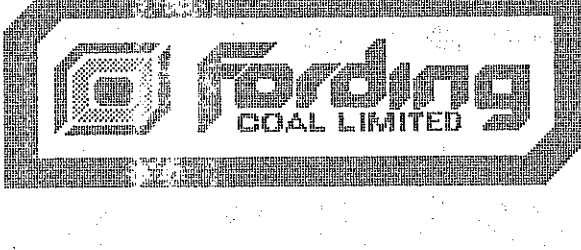
COMPANY :		OTHER SERVICES:	
WELL :	RH 2341 Gm-Nt.		2341
LOCATION/FIELD :	Castle		
COUNTY :			
STATE :			
SECTION :	TOWNSHIP :	RANGE :	
DATE :	08/30/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER :		ELEV. PERM. DATUM:	KB :
LOG BOTTOM :	251.40	LOG MEASURED FROM:	BF :
LOG TOP :	-1.60	BRL MEASURED FROM:	GL :
CASING DRILLER :		LOGGING UNIT :	
CASING TYPE :		FIELD OFFICE :	
CASING THICKNESS:		RECORDED BY :	
BIT SIZE :		BOREHOLE FLUID :	FILE : ORIGINAL
MAGNETIC DECL. :		RM :	TYPE : 9055A
MATRIX DENSITY :		RM TEMPERATURE :	LOG : 5
FLUID DENSITY :		MATRIX DELTA T :	PLOT : 9055A @
NEUTRON MATRIX :		FLUID DELTA T :	THRESH:
REMARKS :			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



147182.69
26344.16
1895.72

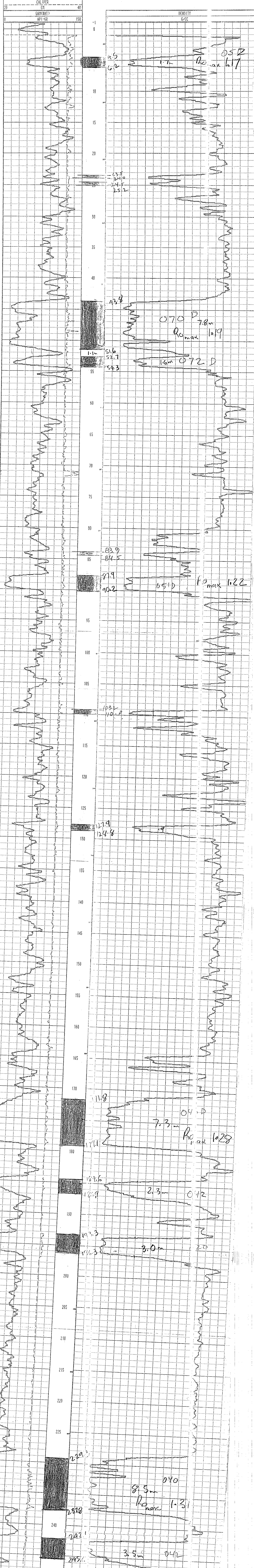
RH 2341

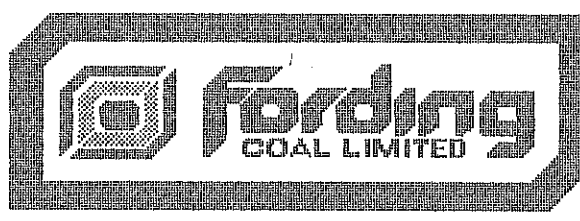


GAMMA-RES-DENSITY

COMPANY : Fording Coal	OTHER SERVICES :	
WELL : RH 2341 DENSITY	RH 2341	
LOCATION/FIELD : Taylor		
COUNTY : E. Kootenay		
STATE : B.C.		
SECTION : TOWNSHIP :	RANGE :	
DATE : 09/28/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 30	ELEV. PERM. DATUM :	KB :
LOG BOTTOM : 249.20	LOG MEASURED FROM: GL	BF :
LOG TOP : -0.90	DRL MEASURED FROM:	GL :
CASING DRILLER :	LOGGING UNIT : 379	
CASING TYPE :	FIELD OFFICE : G.O.	
CASING THICKNESS :	RECORDED BY : IAN OLIVER	
BIT SIZE :	BOREHOLE FLUID : H2O	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM :	TYPE : 9032AA
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 3
FLUID DENSITY :	MATRIX DELTA T :	PLOT : 9032AA
NEUTRON MATRIX :	FLUID DELTA T :	THRES: 4:
REMARKS :		
Open Hole Log		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



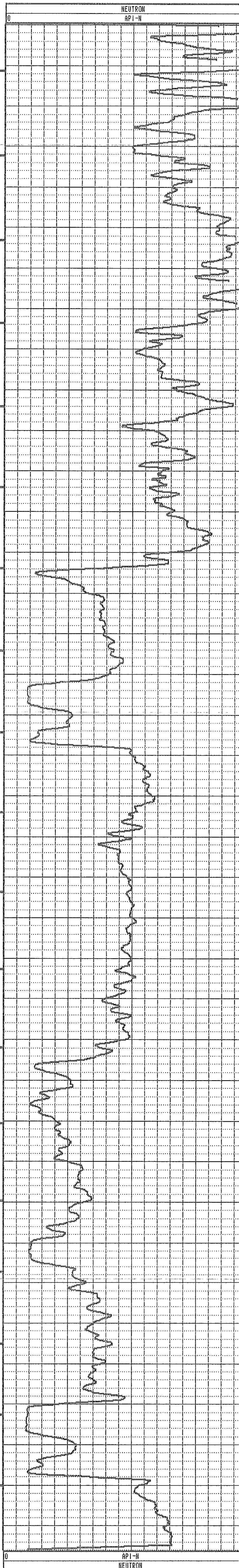
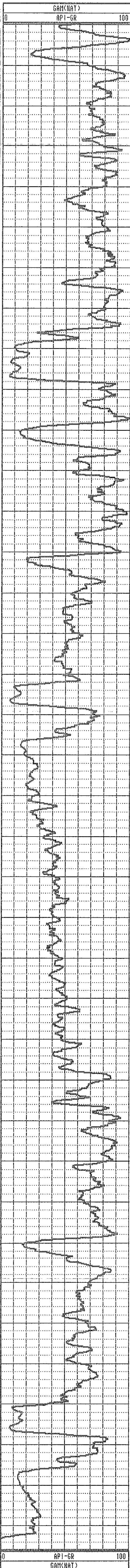


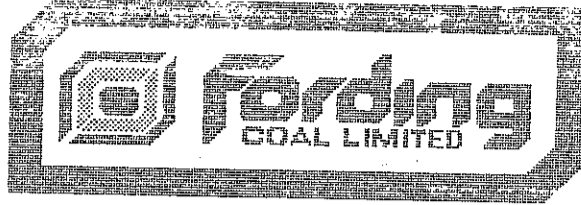
74-10

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: R.H. 2342		
LOCATION/FIELD	: Castle		2342
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 08/08/91	PERMANENT DATUM	:
DEPTH DRILLER	: 189	ELEV. PERM. DATUM:	KB
LOG BOTTOM	: 188.10	LOG MEASURED FROM:	G.L.
LOG TOP	: -1.40	DRL MEASURED FROM:	GL
CASING DRILLER	:	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Sandy
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 0
		PLOT	: 9055A
		THRESH:	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

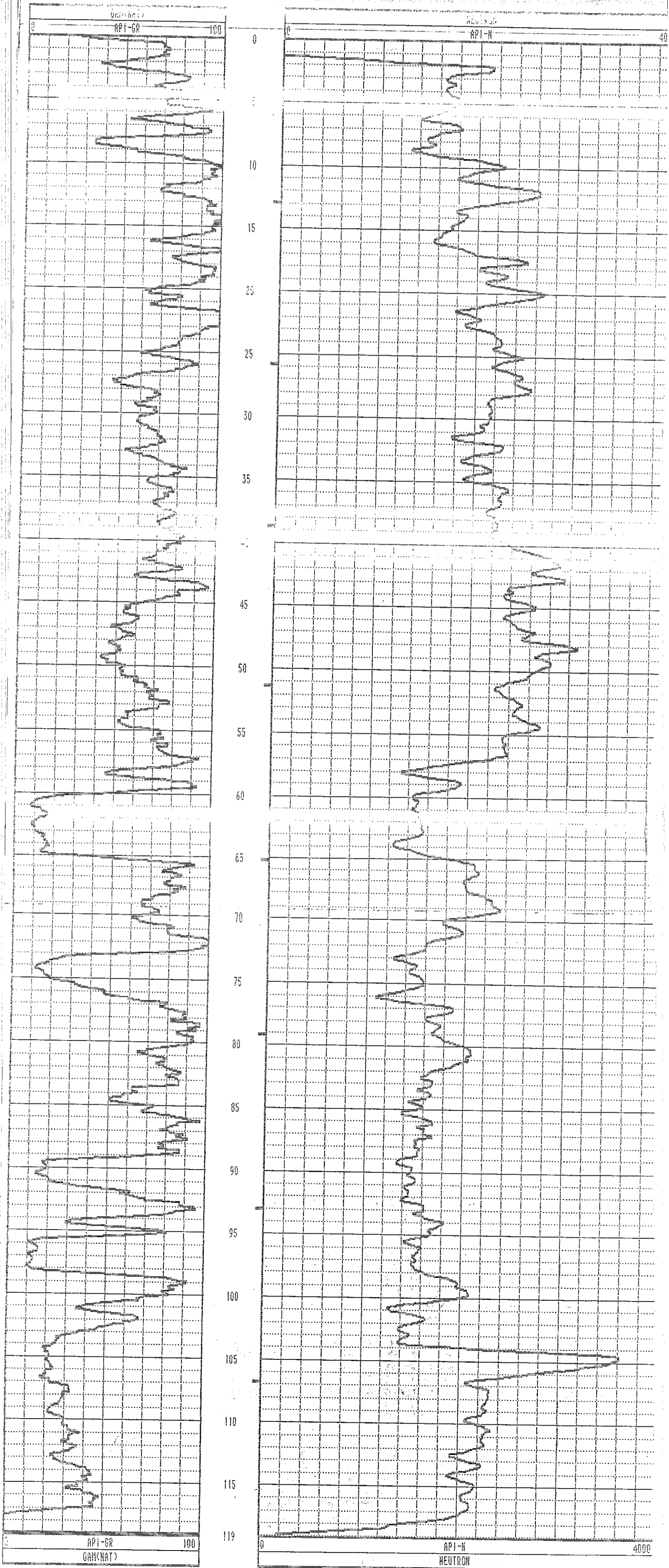




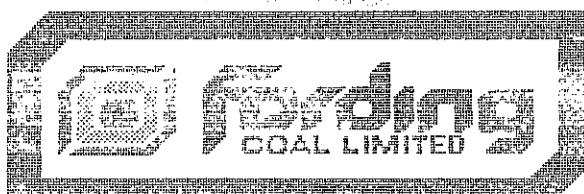
GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2345 NEUTRON	RH 2345	
LOCATION/FIELD	: Taylor	2345.	
COUNTY	:		
STATE	:		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 09/05/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	:	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 119.10	LOG MEASURED FROM:	DF :
LOG TOP	: 0.30	DRL MEASURED FROM:	GL :
CASING DRILLER	:	LOGGING UNIT	: 379
CASING TYPE	:	FIELD OFFICE	: G.O.
CASING THICKNESS:		RECORDED BY	: IAN OLIVER
BIT SIZE	:	BOREHOLE FLUID	: FILE : ORIGINAL
MAGNETIC DECL.	: 21	RM	: TYPE : 9055A
MATRIX DENSITY	:	RM TEMPERATURE	: LOG : 1
FLUID DENSITY	:	MATRIX DELTA T	: PLOT : 9055A 0
NEUTRON MATRIX	:	FLUID DELTA T	: THRESH:
REMARKS	:		
	: RH 2345 NEUTRON		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



RH# 2345



M7088.49

25864.59

1889.14

59-9

GAMMA-RES-DENSITY

COMPANY : Fording Coal
 WELL : RH2345
 LOCATION/FIELD : Castle
 COUNTY : E. Kootney
 STATE : B.C.
 SECTION : TOWNSHIP : RANGE :

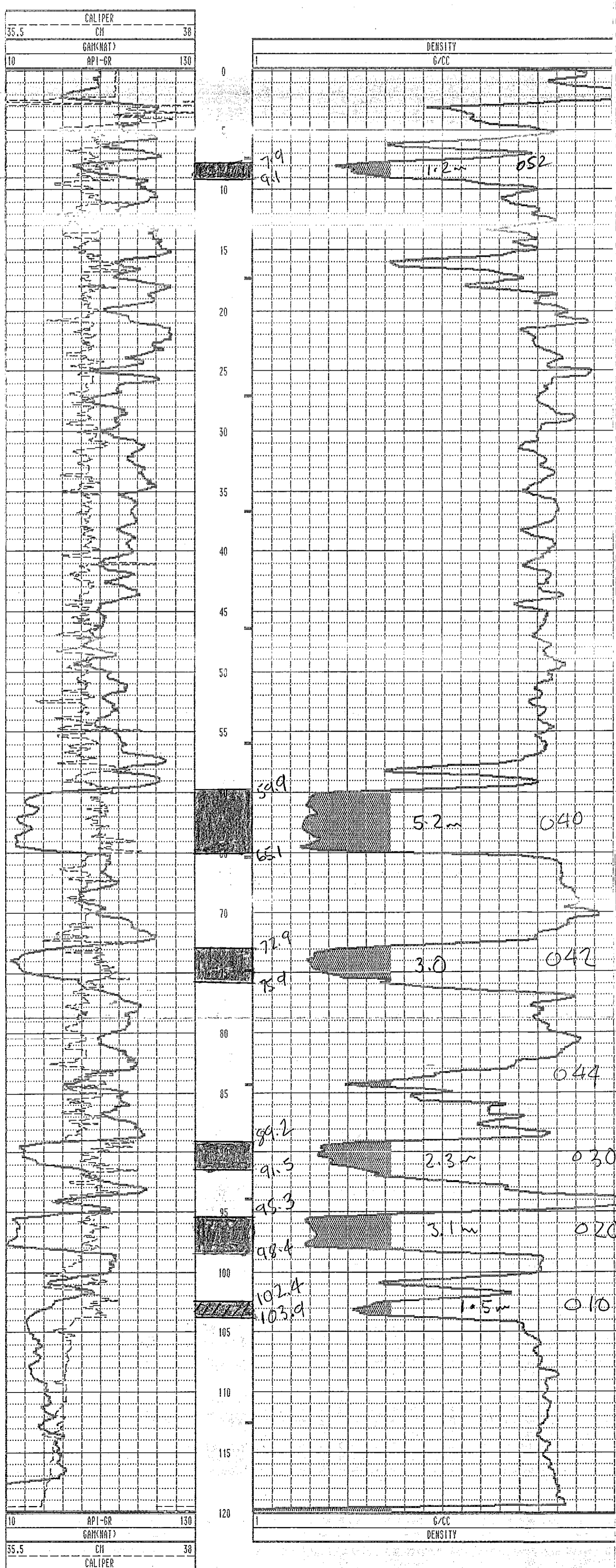
DATE : 10/04/91 PERMANENT DATUM : ELEVATIONS
 DEPT. POINT : 20.00 DEPT. POINT DATUM : 72 :
 LOG BOTTOM : 120.10 LOG MEASURED FROM: GL 72 :
 LOG TOP : -2.80 DRL MEASURED FROM: GL 72 :

CASING DRILLER : LOGGING UNIT : 379
 CASING TYPE : steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : Sandy

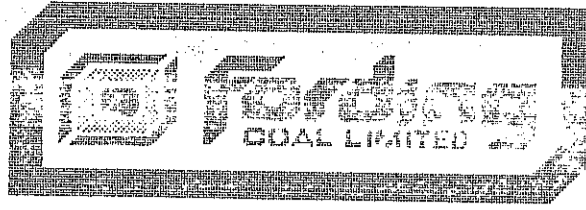
BIT SIZE : BOREHOLE FLUID : H2o FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 6
 FLUID DENSITY : MATRIX DELTA T : PLOT : SHADE 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :
 Open Hole Log

OTHER SERVICES:
 RH2345
 Castle
 G/N Den.

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



AH #2346



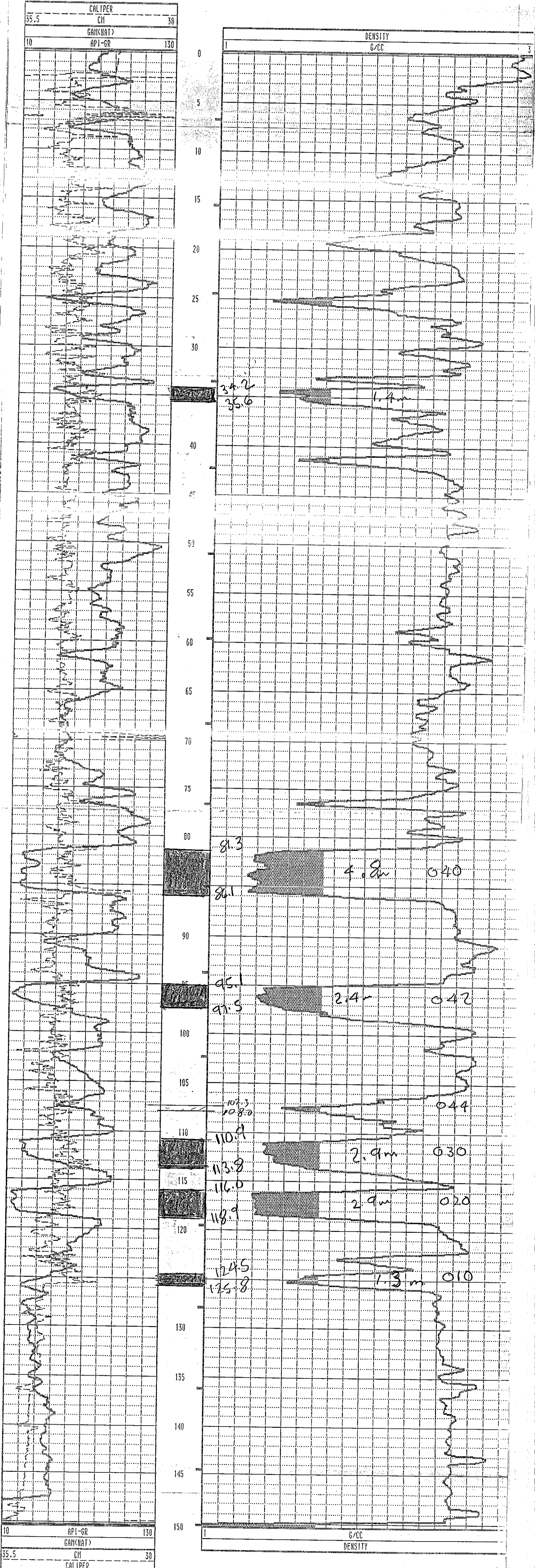
146981.45
25727.06
1935.37

60-12

GAMMA-RES-DENSITY

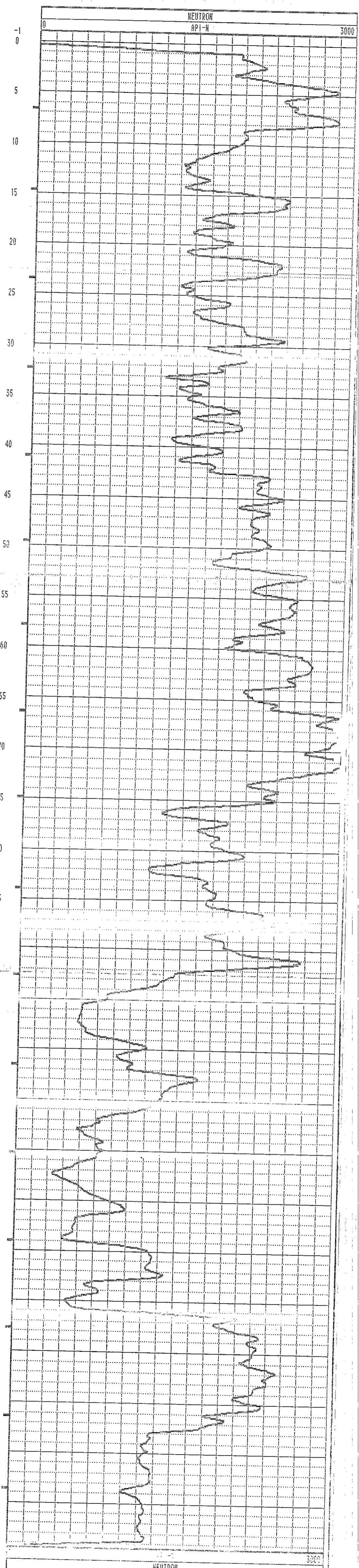
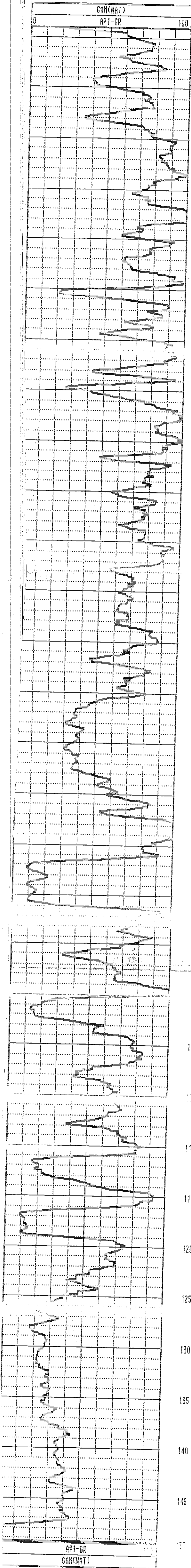
COMPANY : Fording Coal	OTHER SERVICES:	
WELL : RH2346	RH2346	
LOCATION/FIELD : Castle	Castle	
COUNTY : E.Mootney	G/N Den.	
STATE : B.C.		
SECTION : _____	TOWNSHIP : _____	
	RANGE : _____	
DATE : 10/04/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 200m	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 159.48	LOG MEASURED FROM: 0.	IN :
LOG TOP : -0.12	CAL MEASURED FROM:	0.
CASING DRILLER : .	LOGGING UNIT : 379	
CASING TYPE : steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .03	RECORDED BY : Sandy	
BIT SIZE : _____	BOREHOLE FLUID : H2o	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM :	TYPE : 9832AA
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 2
FLUID DENSITY :	MATRIX DELTA T :	PLOT : SHADE 0
NEUTRON MATRIX :	FLUID DELTA T :	THRESH:
REMARKS :		
Open Hole Log		

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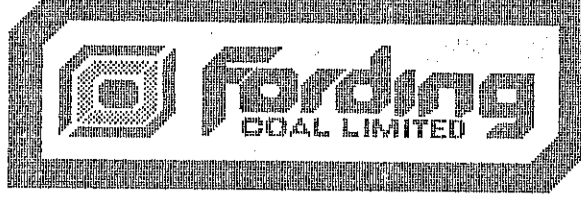
RH# 2346

Gamma-Neutron



2347

146877.74
25630.64
1911.67

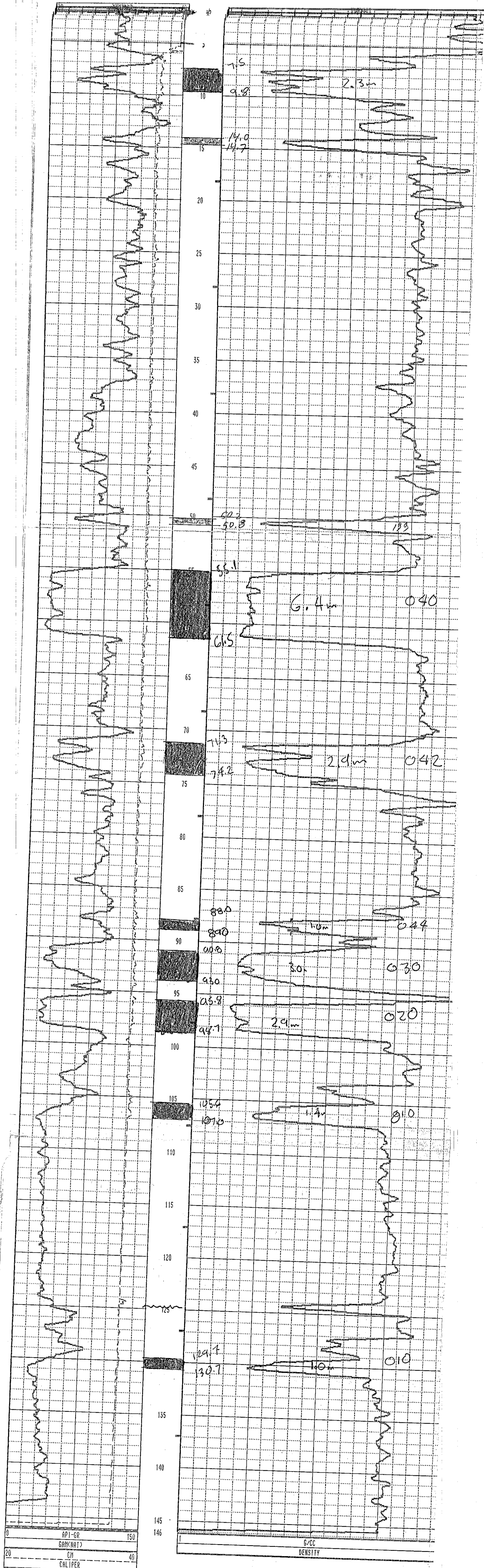


67-12

GAMMA-RES-DENSITY

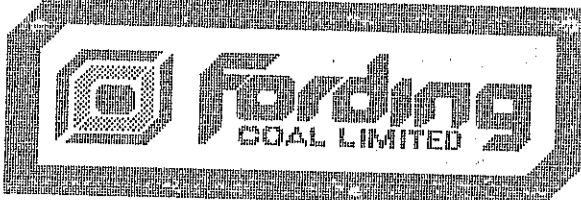
COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2347 DENSITY	RH 2347	
LOCATION/FIELD	: Eagle		
COUNTY	: E. Kootney		
STATE	: B.C.		
SECTION	: TOWNSHIP	: RANGE	:
DATE	: 10/04/91	PERMANENT DATUM	: ELEVATIONS
DEPTH DRILLER	: 30m	ELEV. PERM. DATUM	: KB
LOG BOTTOM	: 146.20	LOG MEASURED FROM	: GL
LOG TOP	: -1.70	DRL MEASURED FROM	: GL
CASING DRILLER	:	LOGGING UNIT	: 379
CASING TYPE	:	FIELD OFFICE	: G.O.
CASING THICKNESS	:	RECORDED BY	: IAN OLIVER
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
Open Hole Log	:	TYPE	: 9832AA
		LOG	: 8
		PLOT	: 9832AA 8
		THRESH	:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2347

146877.74
25630.64
1911.67



GAMMA-NEUTRON

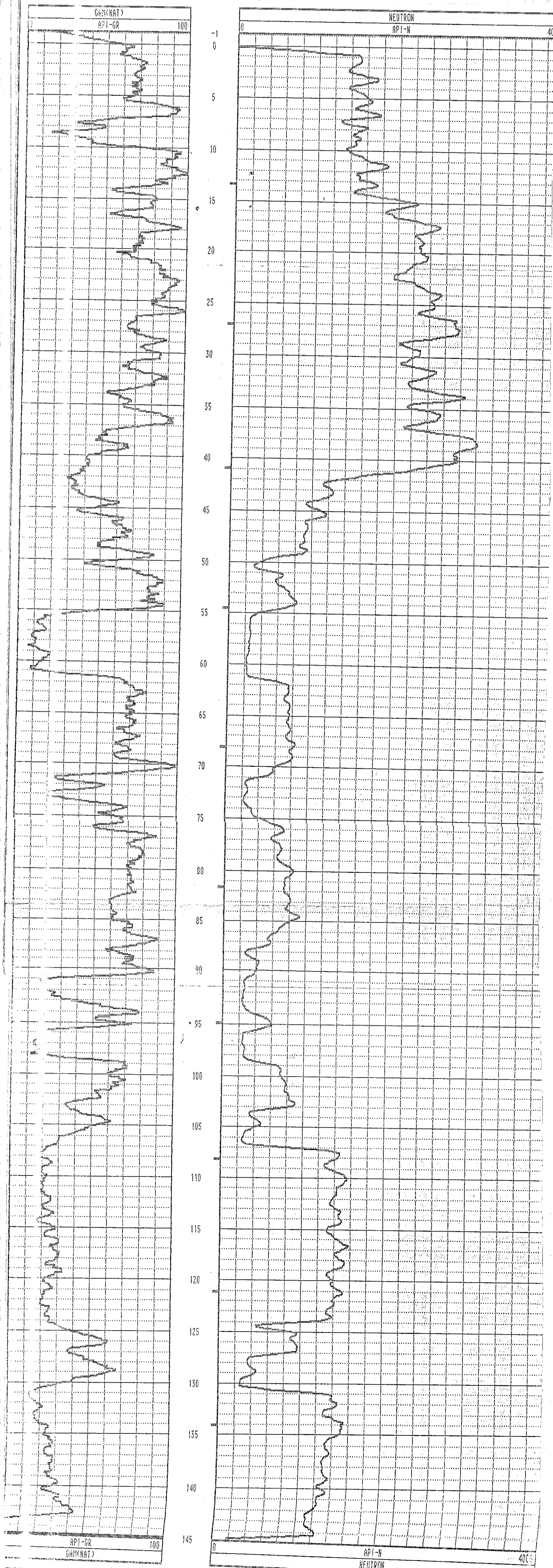
COMPANY : Fording Coal
WELL : RH 2347 NEUTRON
LOCATION/ FIELD : Taylor
COUNTY :
STATE :
SECTION :

OTHER SERVICES:

TOWNSHIP : RANGE :
DATE : 09/04/91 PERMANENT DATUM : ELEVATIONS
DEPTH DRILLER : ELEV. PERM. DATUM: KB :
LOG BOTTO. : 144.90 LOG MEASURED FROM: DF :
LOG TOP : -0.90 DRL MEASURED FROM: GL :
CASING DRILLER : LOGGING UNIT : 379
CASING TYPE : FIELD OFFICE : G.O.
CASING THICKNESS: RECORDED BY : IAN OLIVER

BIT SIZE : BOREHOLE FLUID : 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 :
RH 2347 NEUTRON

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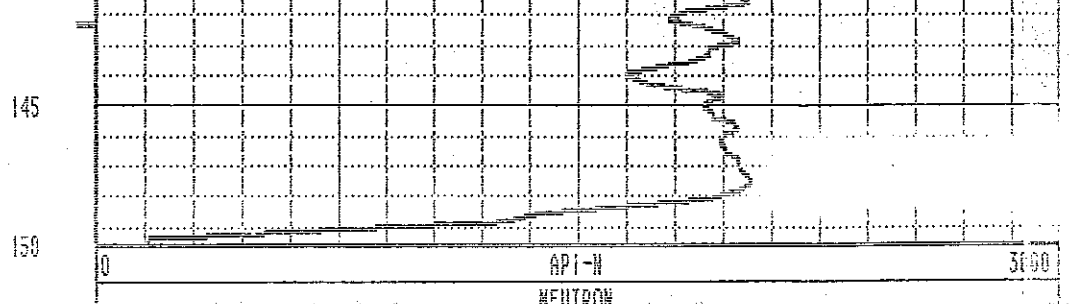
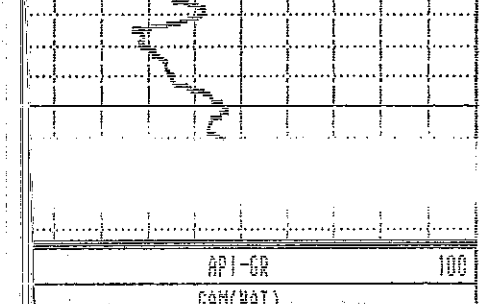
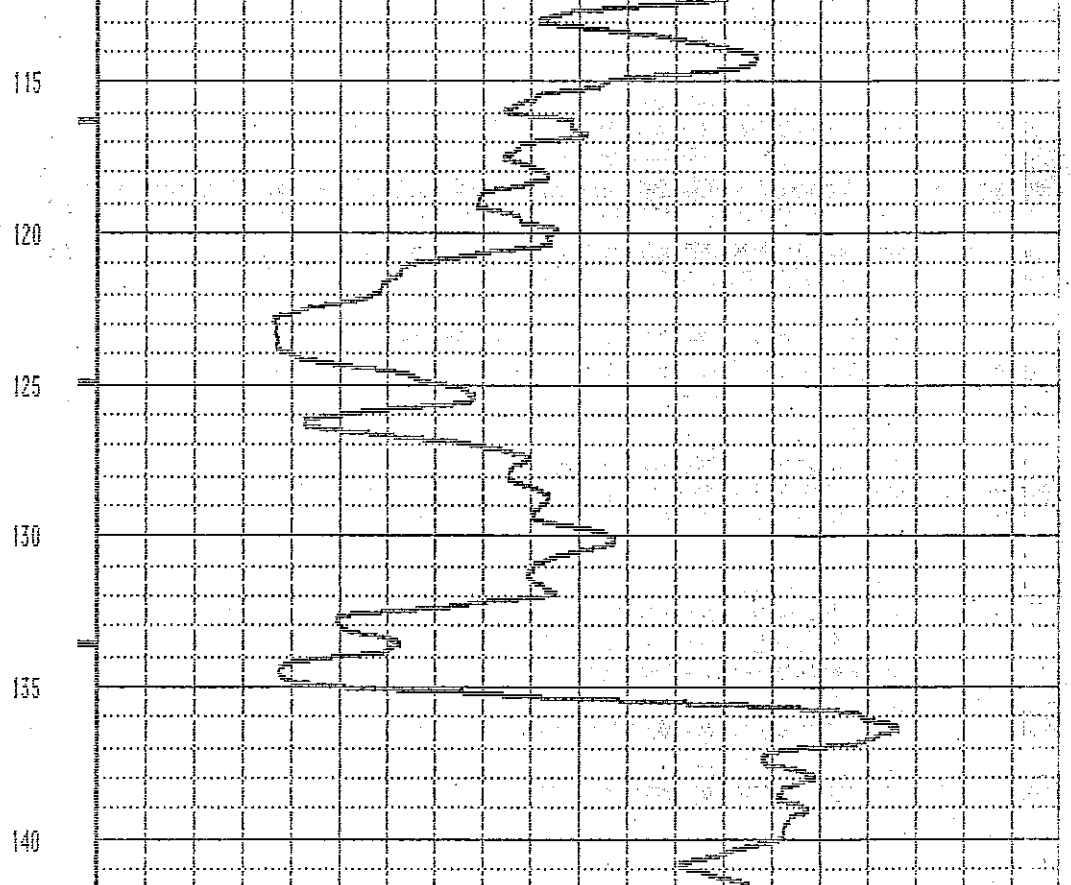
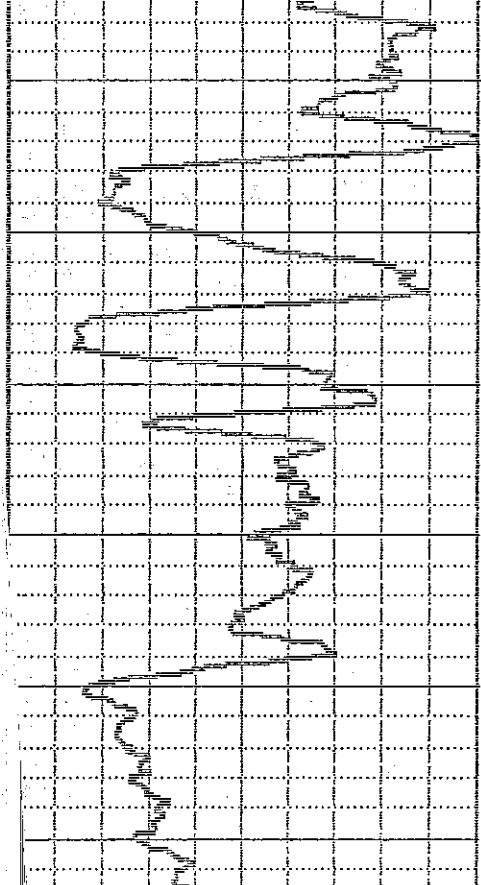
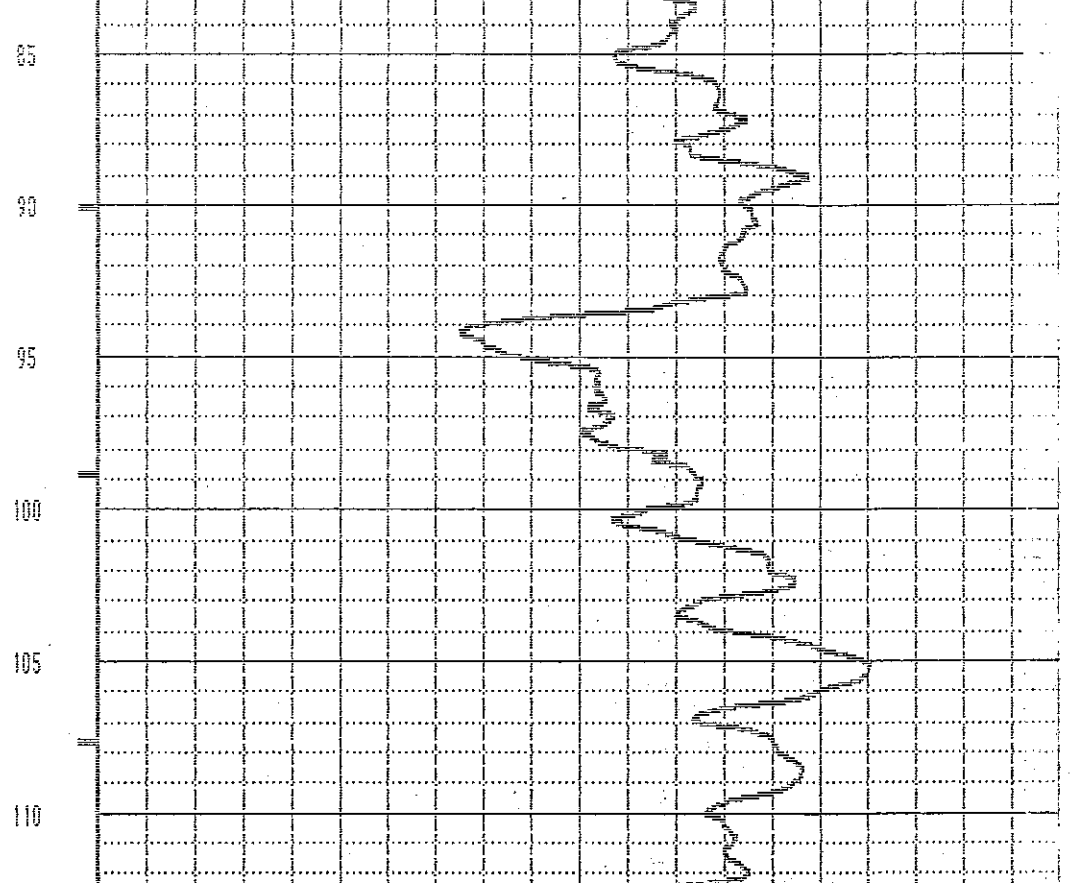
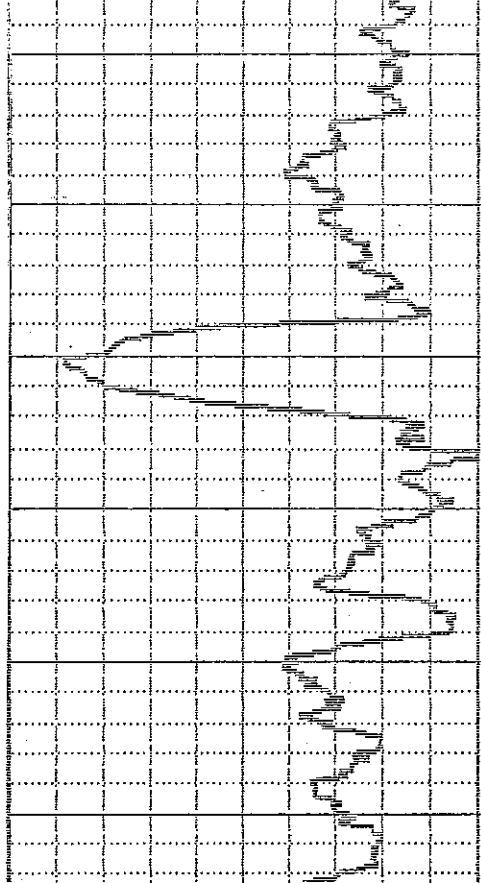
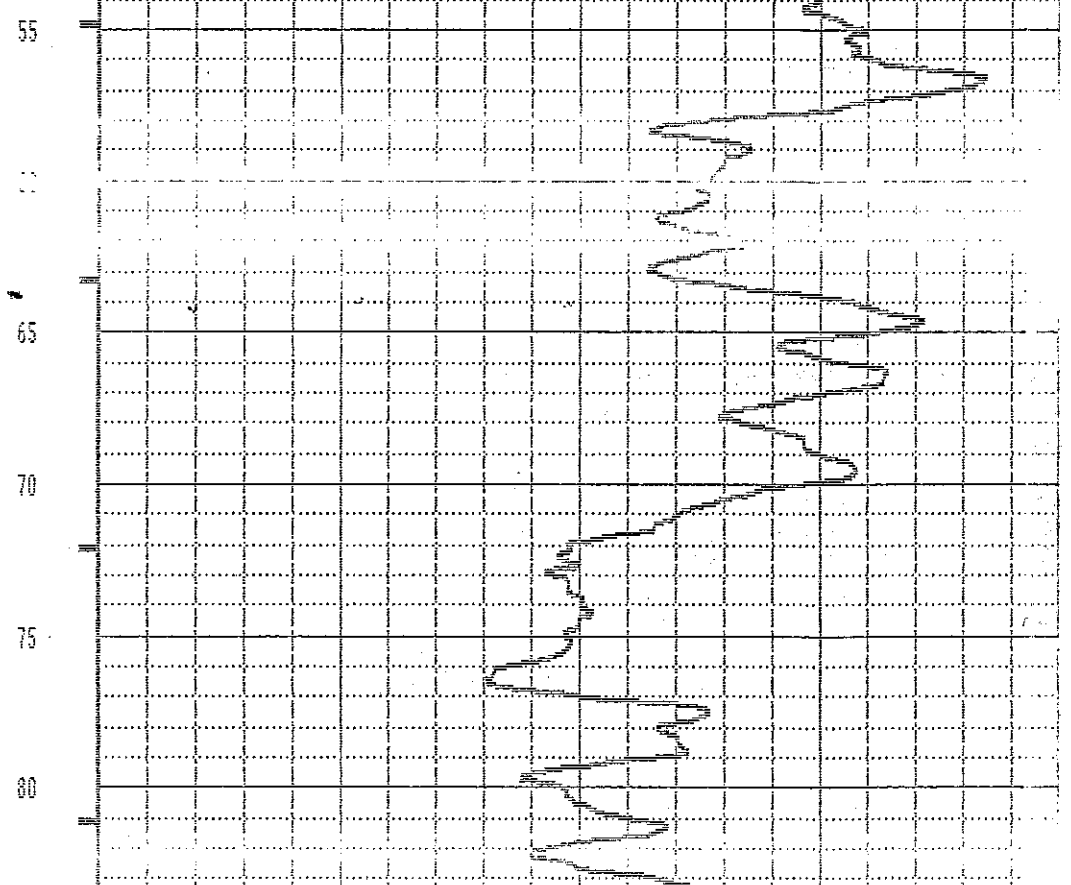
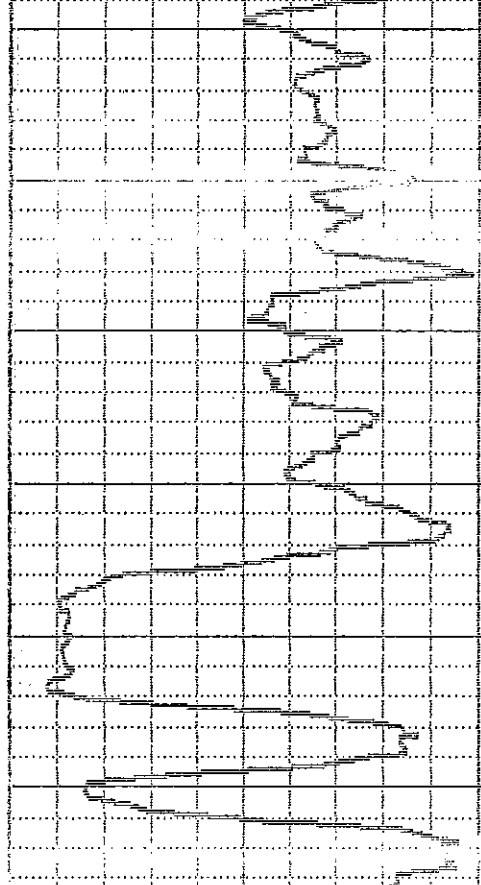
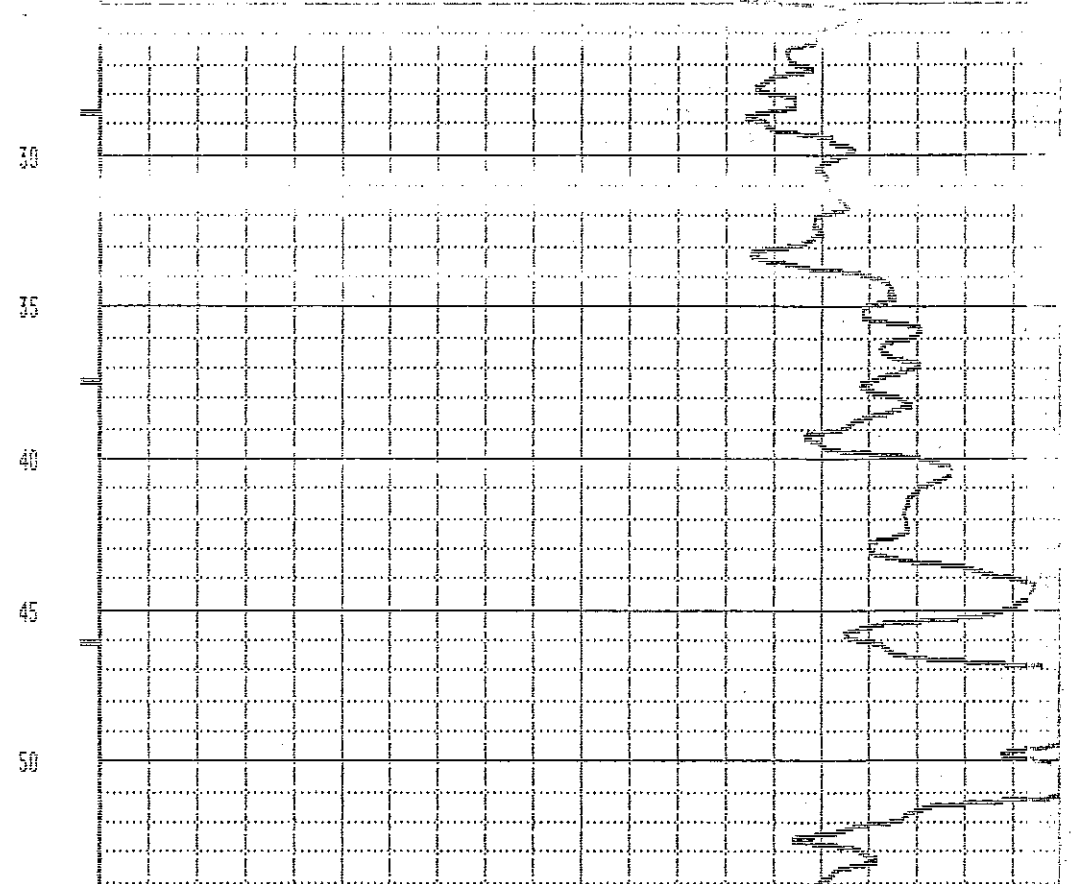
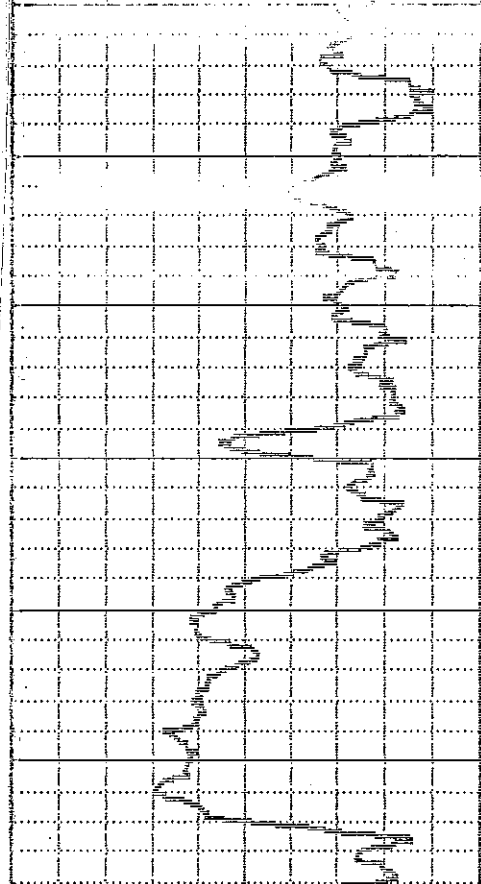
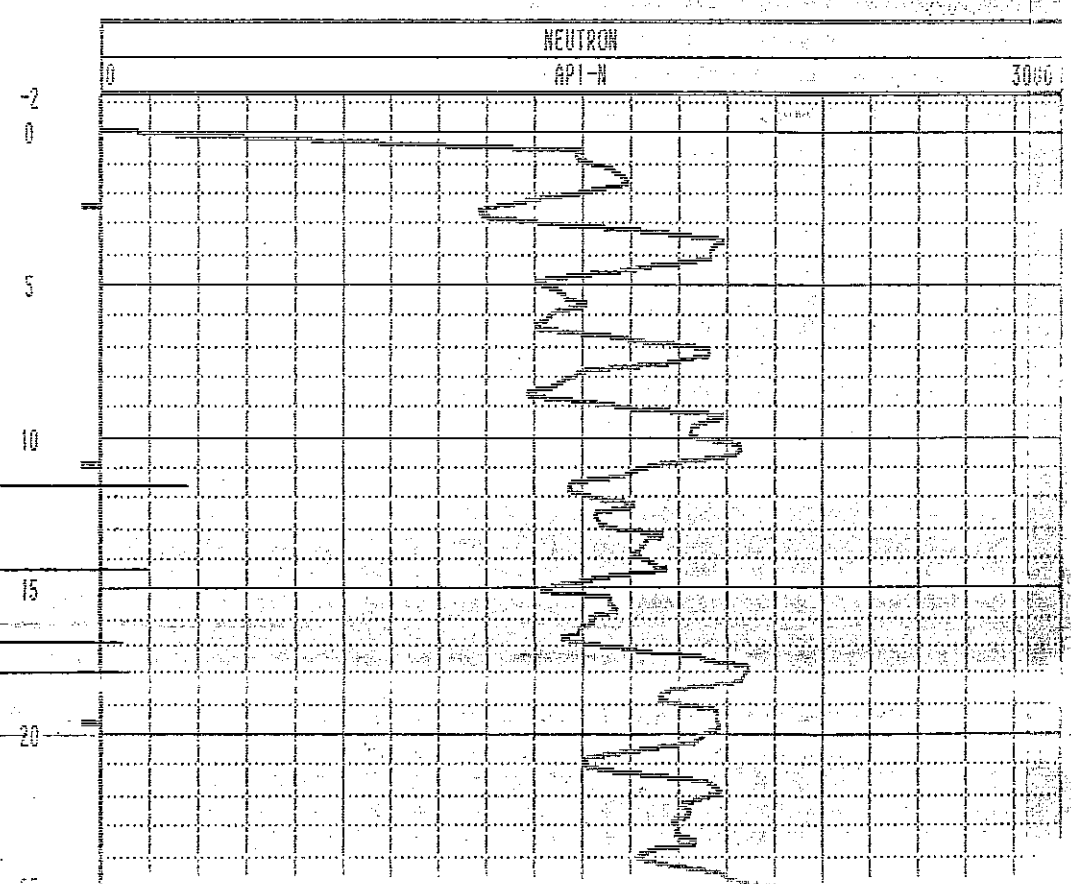
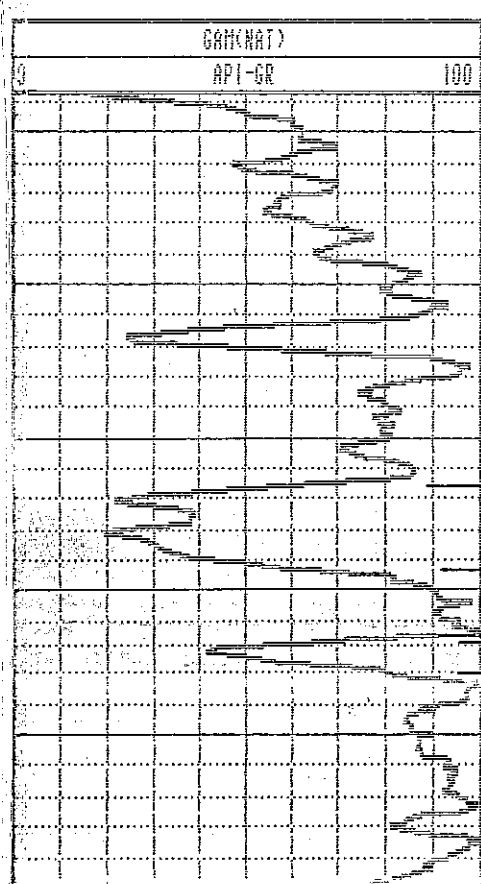


146771.02
25496.20
1950.27

60-8

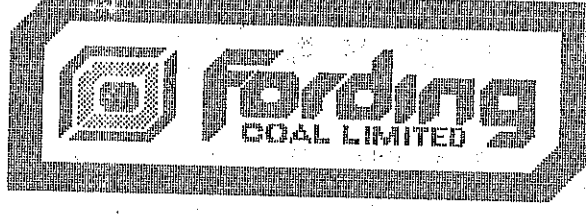
2348

Gamma-Neutron



2348

146 771.02
25 496.20
1950.27



GAMMA-RES-DENSITY

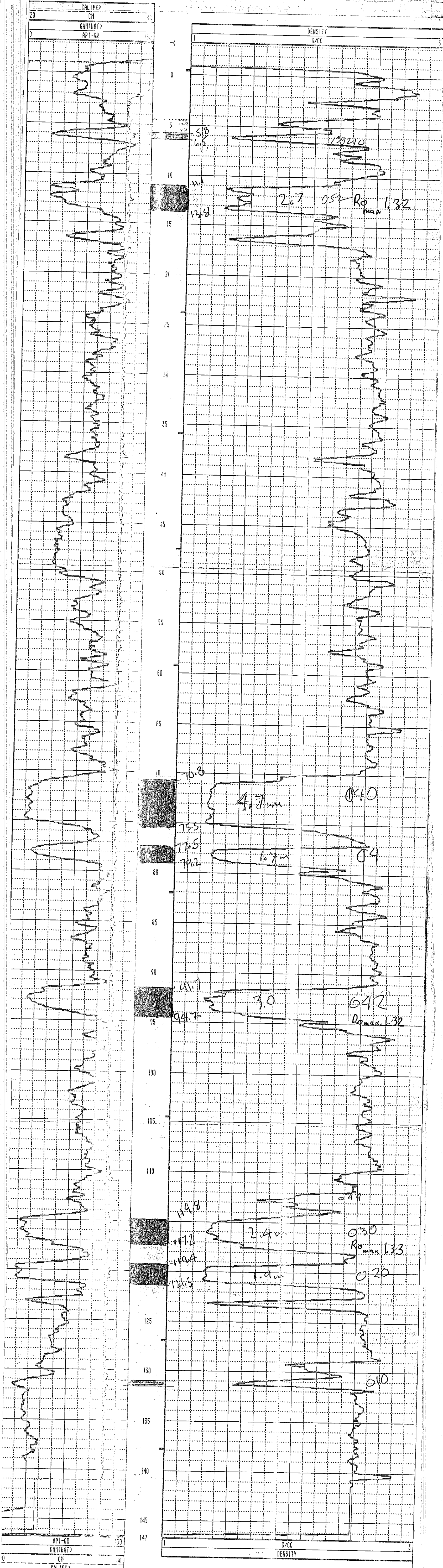
COMPANY : Fording Coal
 WELL : RH 2348 DENSITY
 LOCATION/FIELD : Eagle
 COUNTY : E. Adams
 STATE : B.C.
 SECTION :

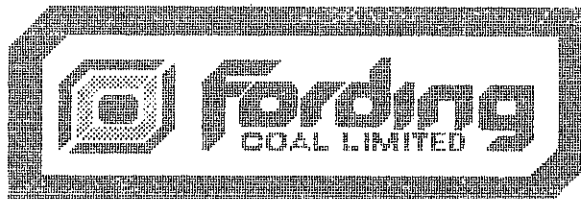
OTHER SERVICES:
RH 2348

TOWNSHIP : RANGE :
 DATE : 10/04/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 30a ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 140.00 LOG MEASURED FROM: GL DF :
 LOG TOP : -41.00 DRL MEASURED FROM: GL :
 CASING DRILLER : LOGGING UNIT : 379
 CASING TYPE : FIELD OFFICE : G.O.
 CASING THICKNESS : RECORDED BY : IAN OLIVER

BIT SIZE : BOREHOLE FLUID : H₂O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM RM TYPE : 9032AA
 MATRIX DENSITY : RM TEMPERATURE : LOG : 2
 NEUTRON MATRIX : MATRIX DELTA T : PLOT : 9032AA 0
 REMARKS : FLUID DELTA T : THRESH:
 Open Hole Log

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



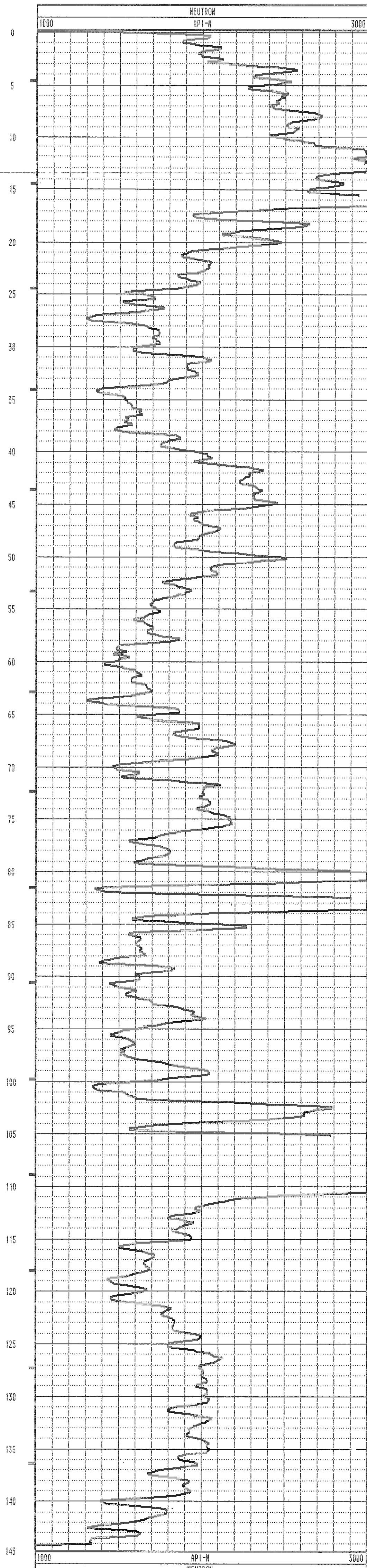
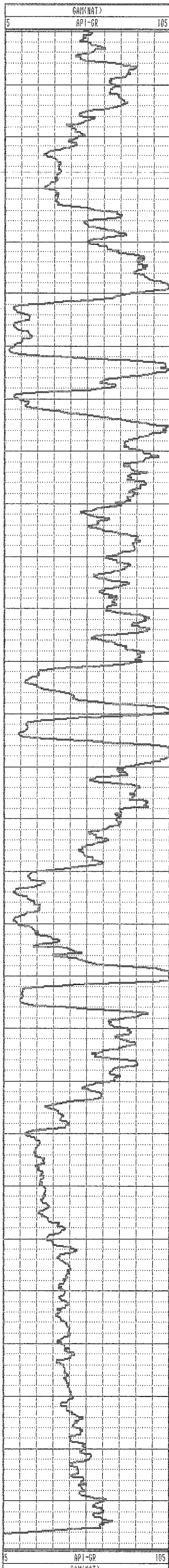


62-7

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2349	RH2349	
LOCATION/FIELD	: Castle	Castle	
COUNTY	:	G/N	2349
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 08/26/91	PERMANENT DATUM	:
DEPTH DRILLER	: 150	ELEV. PERM. DATUM:	KB
LOG BOTTOM	: 144.80	LOG MEASURED FROM:	G.L.
LOG TOP	: -2.40	DRL MEASURED FROM:	GL
CASING DRILLER	: 12.0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS	: .03	RECORDED BY	: Sandy
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9055A
		LOG	: 0
		PLOT	: 9055A 0
		THRESH:	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2349

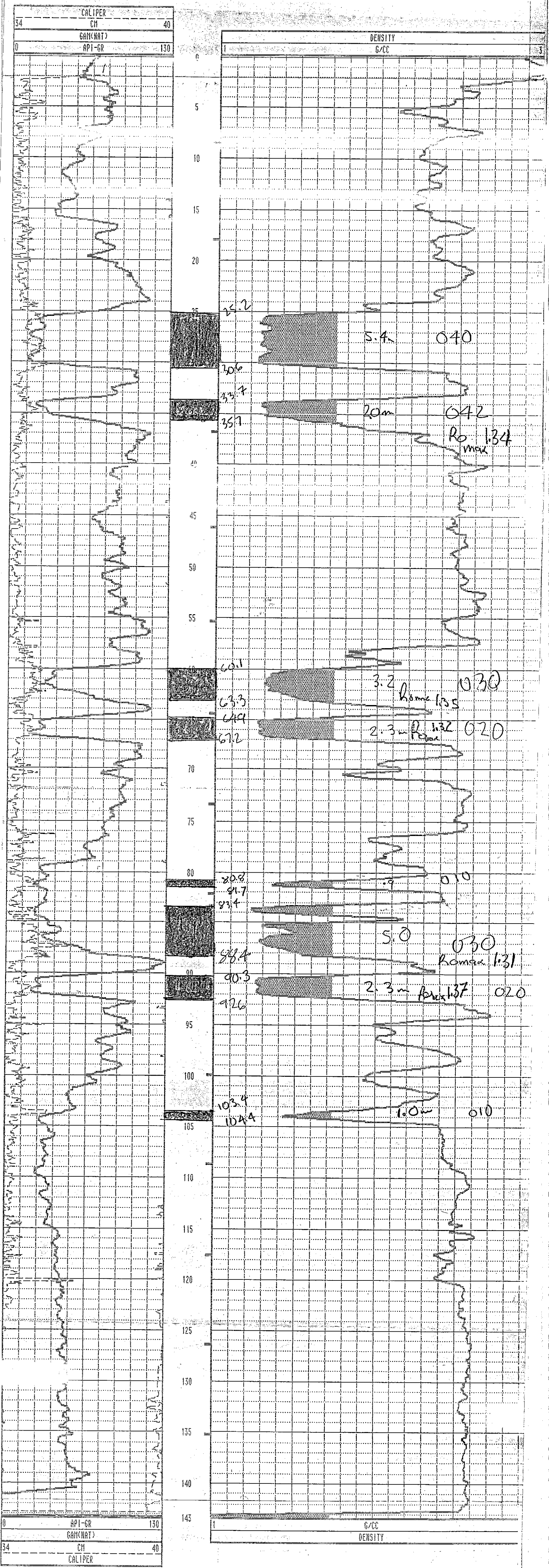
146705.43
25425.65
1938.97

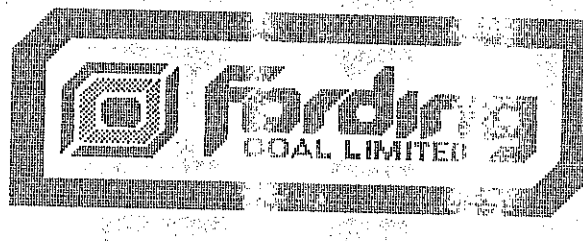


GAMMA-RES-DENSITY

COMPANY : Fording Coal	OTHER SERVICES: RH2349
WELL : RH2349	Castle
LOCATION/FIELD : Castle	G/N Den.
COUNTY : E.Kootney	
STATE : B.C.	
SECTION : _____	TOWNSHIP : _____
	RANGE : _____
DATE : 09/26/91	PERMANENT DATUM : _____
DEPTH DRILLER : 200	ELEV. PERM. DATUM : KB : _____
LOG BOTTOM : 143.40	LOG MEASURED FROM: GL : _____
LOG TOP : -3.00	DRL MEASURED FROM: GL : _____
CASING DRILLER : 3	LOGGING UNIT : 379
CASING TYPE : Steel	FIELD OFFICE : G.O.
CASING THICKNESS: .03	RECORDED BY : Sandy
BIT SIZE : _____	BOREHOLE FLUID : H2o
MAGNETIC DECL. : 21	RM : _____
MATRIX DENSITY : _____	RM TEMPERATURE : _____
FLUID DENSITY : _____	MATRIX DELTA T : _____
NEUTRON MATRIX : _____	FLUID DELTA T : _____
REMARKS : _____	FILE : ORIGINAL
Open Hole Log	TYPE : 9032AA
	LOG : 3
	PLOT : SHADE 0
	THRESH: _____

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





120-12

GAMMA-NEUTRON

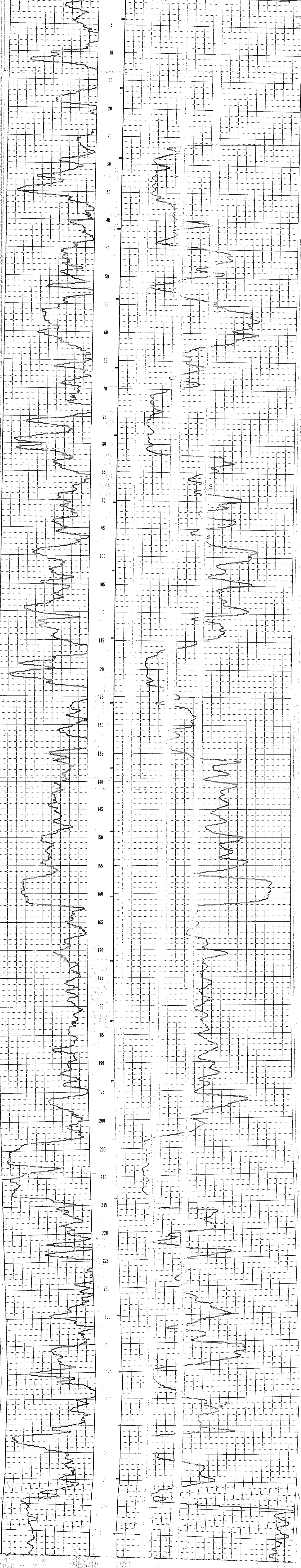
COMPANY : Fording Coal
 WELL : RH 2331 neu. Castle
 LOCATION/FIELD : castle
 COUNTY :
 STATE :
 SECTION : TOWNSHIP : RANGE :

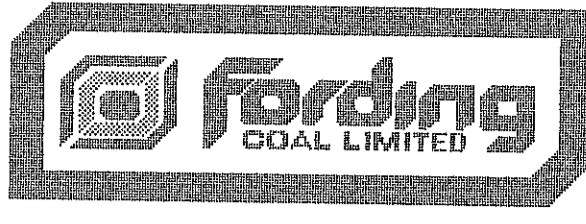
DATE : 08/13/91 PERMANENT DATUM :
 DEPTH DRILLER : 150 ELEV. PERM. DATUM :
 LOG BOTTOM : 282.00 LOG MEASURED FROM: C.L. :
 LOG TOP : -1.70 DRL MEASURED FROM: GL :
 CASING DRILLER : 6 LOGGING UNIT : 179
 CASING TYPE : Steel FIELD OFFICE : C.O.
 CASING THICKNESS: .03 RECORDED BY : rk

OTHER SERVICES:
2331

BIT SIZE : BOREHOLE FLUID : 120 FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 8
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





89-7

GAMMA-NEUTRON

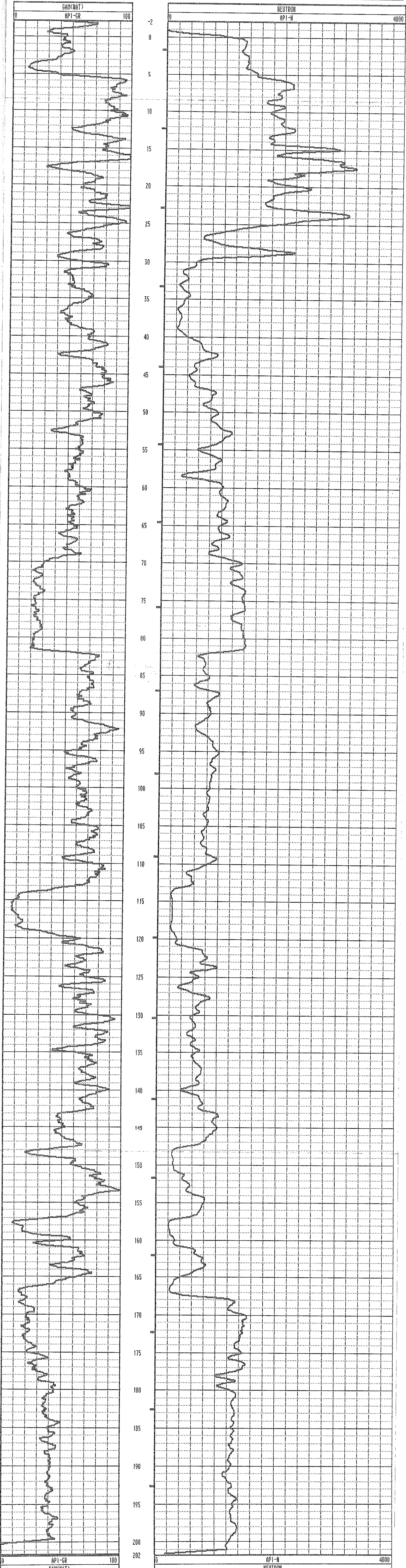
COMPANY : Fording Coal
 WELL : rh 2332 castle mt.
 LOCATION/FIELD : castle mt.
 COUNTY :
 STATE :
 SECTION :

OTHER SERVICES:
 2332

DATE : 08/11/91 PERMANENT DATUM : ELEVATIONS
 DEPTH DRILLER : 200 ELEV. PERM. DATUM : KB :
 LOG BOTTOM : 201.80 LOG MEASURED FROM: G.L. DF :
 LOG TOP : -1.80 DRL MEASURED FROM: GL :
 CASING DRILLER : 6 LOGGING UNIT : 379
 CASING TYPE : Steel FIELD OFFICE : G.O.
 CASING THICKNESS: .03 RECORDED BY : rk

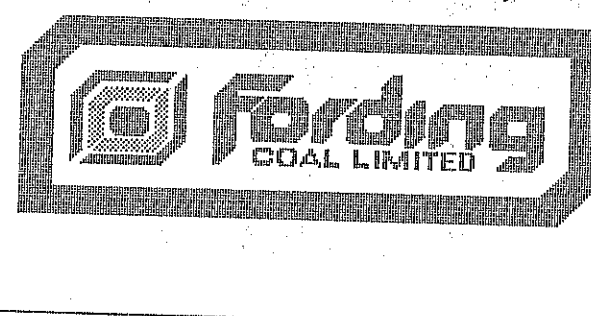
BIT SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM TYPE : 9055A
 MATRIX DENSITY : RM TEMPERATURE : LOG : 2
 FLUID DENSITY : MATRIX DELTA T : PLOT : 9055A 0
 NEUTRON MATRIX : FLUID DELTA T : THRESH:
 REMARKS :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



2333

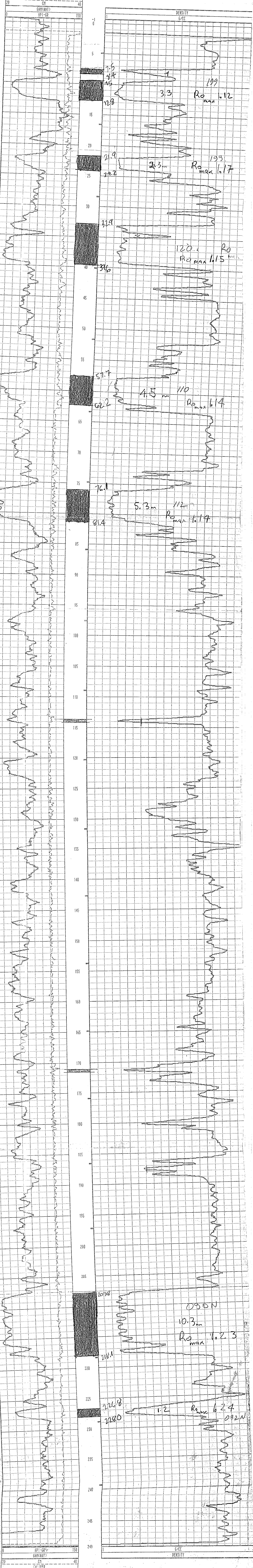
233.6
1919.18
153-B13



GAMMA-RES-DENSITY

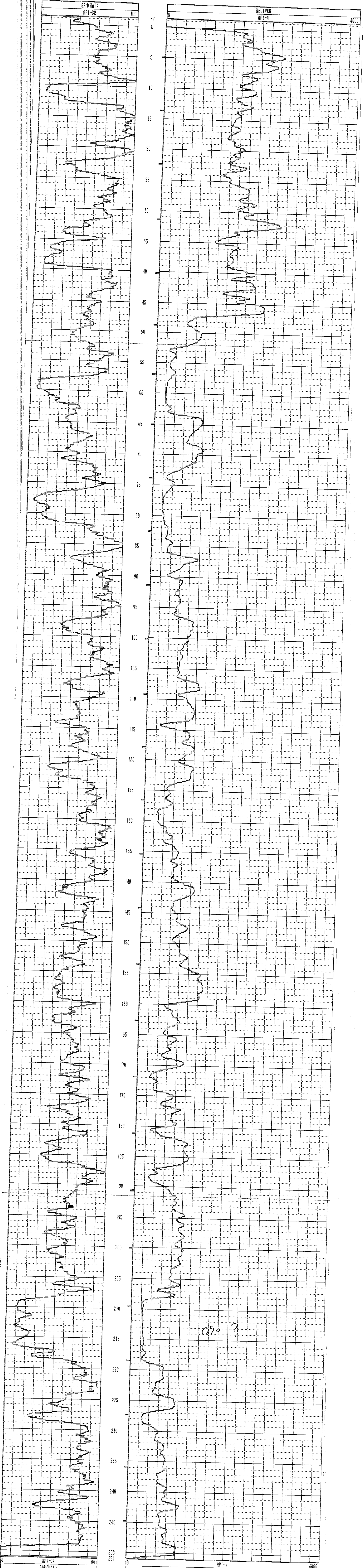
COMPANY : Fording Coal	OTHER SERVICES:
WELL : RH 2333 DENSITY	RH 2333
LOCATION/FIELD : Taylor	
COUNTY : E.Kootney	
STATE : B.C.	
SECTION :	TOWNSHIP :
	RANGE :
DATE : 09/28/91	PERMANENT DATUM :
DEPTH DRILLER : 30	ELEV. PERM. DATUM:
LOG BOTTOM : 249.40	LOG MEASURED FROM: GL
LOG TOP : -0.50	DRL MEASURED FROM:
CASING DRILLER :	LOGGING UNIT : 379
CASING TYPE :	FIELD OFFICE : G.O.
CASING THICKNESS:	RECORDED BY : IAN OLIVER
BIT SIZE :	BOREHOLE FLUID : H2O
MAGNETIC DECL. : 21	RM :
MATRIX DENSITY :	RM TEMPERATURE :
FLUID DENSITY :	MATRIX DELTA T :
NEUTRON MATRIX :	FLUID DELTA T :
REMARKS :	FILE : ORIGINAL
Open Hole Log	TYPE : 9032AA
	LOG : 3
	PLOT : 9032AA
	THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



RH 2333

Gamma-Neutron

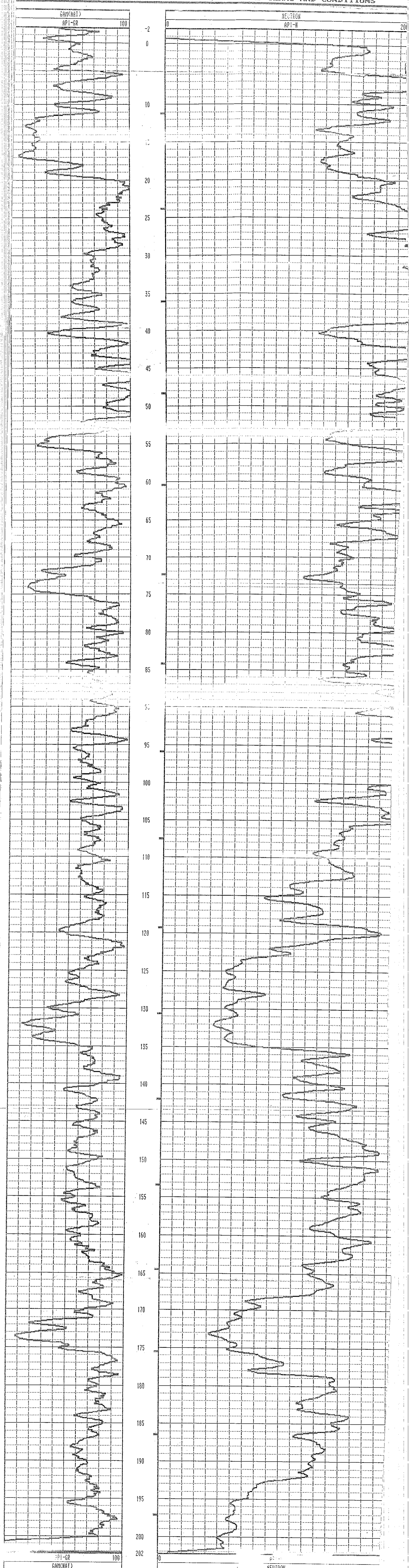


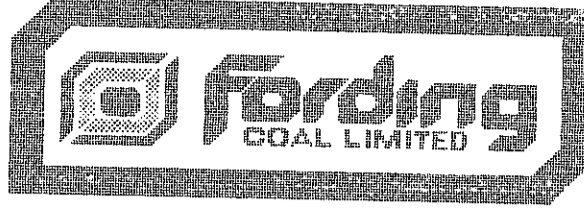
2 METERS OF CASING

G TOP : -1.78 DRL MEASURED FROM: GL :
 SING DRILLER : 6 LOGGING UNIT : 379
 SING TYPE : Steel FIELD OFFICE : G.O. 97-9
 SING THICKNESS: .03 RECORDED BY : rk
 T SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 TRIX DENSITY : RM TEMPERATURE : LOG : 7
 UID DENSITY : MATRIX DELTA T : PLOT : 9055A @
 UTRON MATRIX : FLUID DELTA T : THRESH:
 MARKS :

RH #2330 Gamma - Neutron

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



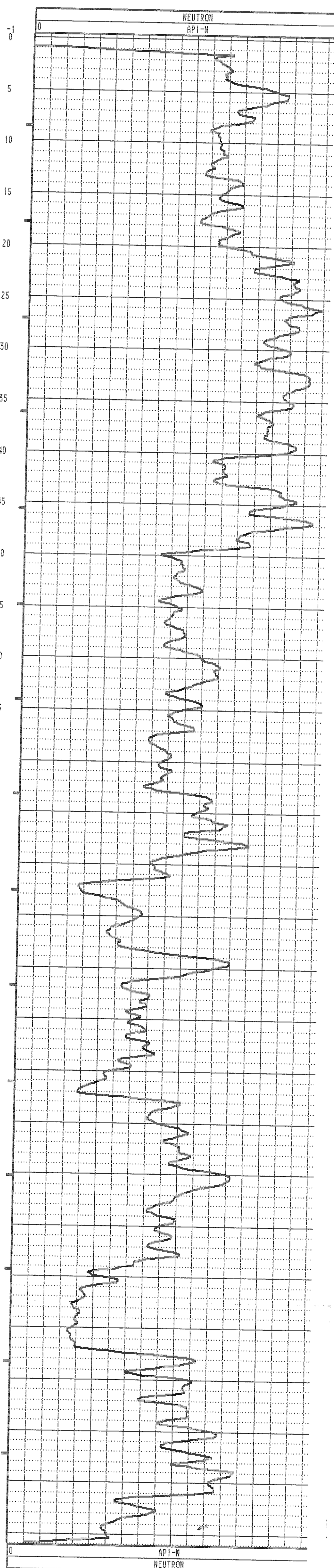
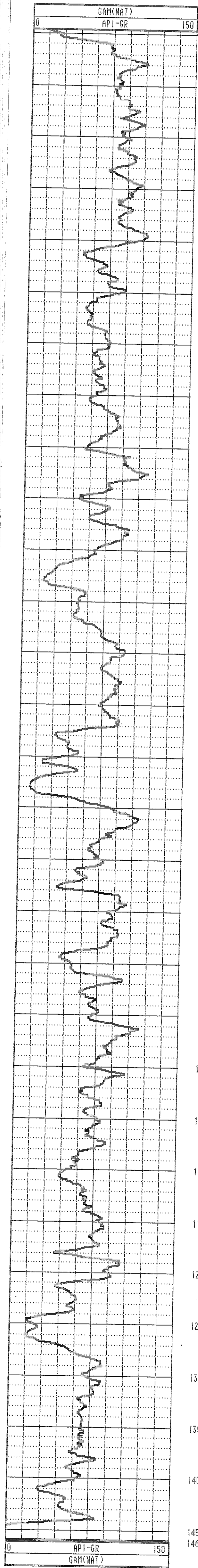


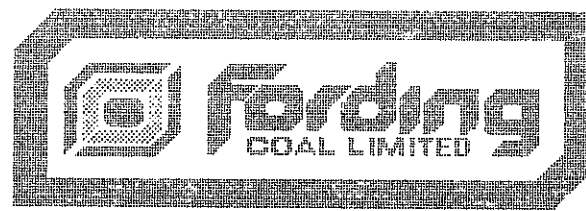
60-5

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2334 Castle	2334
LOCATION/FIELD	: Castle	
COUNTY	: E. Kootney	
STATE	: B.C.	
SECTION	: TOWNSHIP	RANGE :
DATE	: 07/31/91	PERMANENT DATUM :
DEPTH DRILLER	: 150m	ELEV. PERM. DATUM:
LOG BOTTOM	: 146.10	LOG MEASURED FROM: G.L.
LOG TOP	: -0.20	DRL MEASURED FROM:
CASING DRILLER	: 9	LOGGING UNIT
CASING TYPE	: Steel	FIELD OFFICE
CASING THICKNESS	: .03	RECORDED BY
		: Raj Sharna
BIT SIZE	:	BOREHOLE FLUID
MAGNETIC DECL.	: 21	RM
MATRIX DENSITY	:	RM TEMPERATURE
FLUID DENSITY	:	MATRIX DELTA T
NEUTRON MATRIX	:	FLUID DELTA T
REMARKS	:	
		FILE : ORIGINAL
		TYPE : 9055A
		LOG : 3
		PLOT : 9055A
		THRESH:

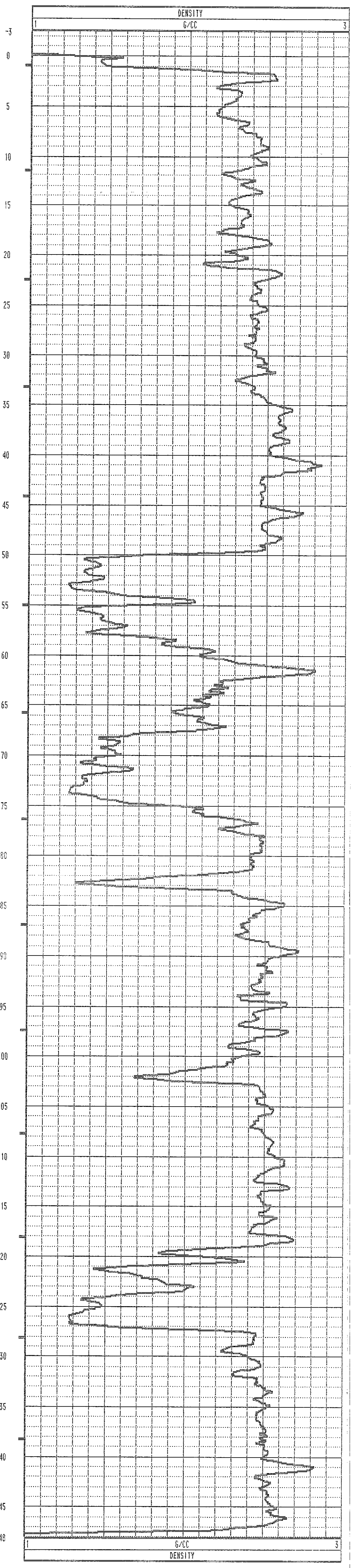
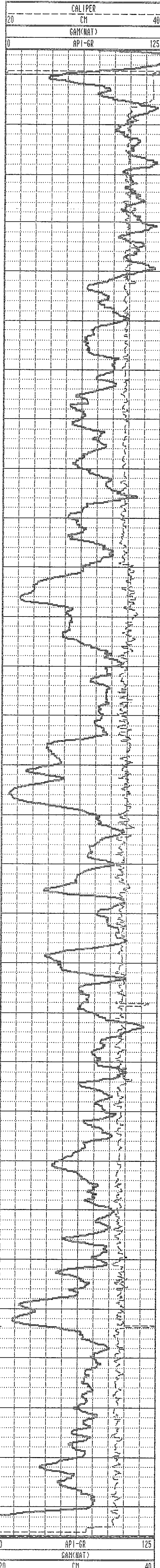
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

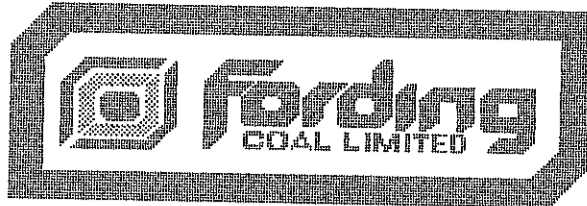




GAMMA-RES-DENSITY

COMPANY	: Fording Coal	OTHER SERVICES:	
WELL	: RH 2334 Density	RH 2338	
LOCATION/FIELD	: Castle	Castle	
COUNTY	:	G/N	2334
STATE	:		
SECTION	:	TOWNSHIP	:
		RANGE	:
DATE	: 08/29/91	PERMANENT DATUM	:
DEPTH DRILLER	: 203	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 148.10	LOG MEASURED FROM: G.L.	DF :
LOG TOP	: -2.30	DRL MEASURED FROM:	GL :
CASING DRILLER	: 12.0	LOGGING UNIT	: 379
CASING TYPE	: Steel	FIELD OFFICE	: G.O.
CASING THICKNESS:	.03	RECORDED BY	: Sandy
BIT SIZE	:	BOREHOLE FLUID	: H2O
MAGNETIC DECL.	: 21	RM	:
MATRIX DENSITY	:	RM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
NEUTRON MATRIX	:	FLUID DELTA T	:
REMARKS	:	FILE	: ORIGINAL
		TYPE	: 9032AA
		LOG	: 4
		PLOT	: 9032AA 0
		THRESH:	
RH 2338 NEUTRON			
BARRY MUSIL HAS NO FRIENDS DO DA DO DA			
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS			



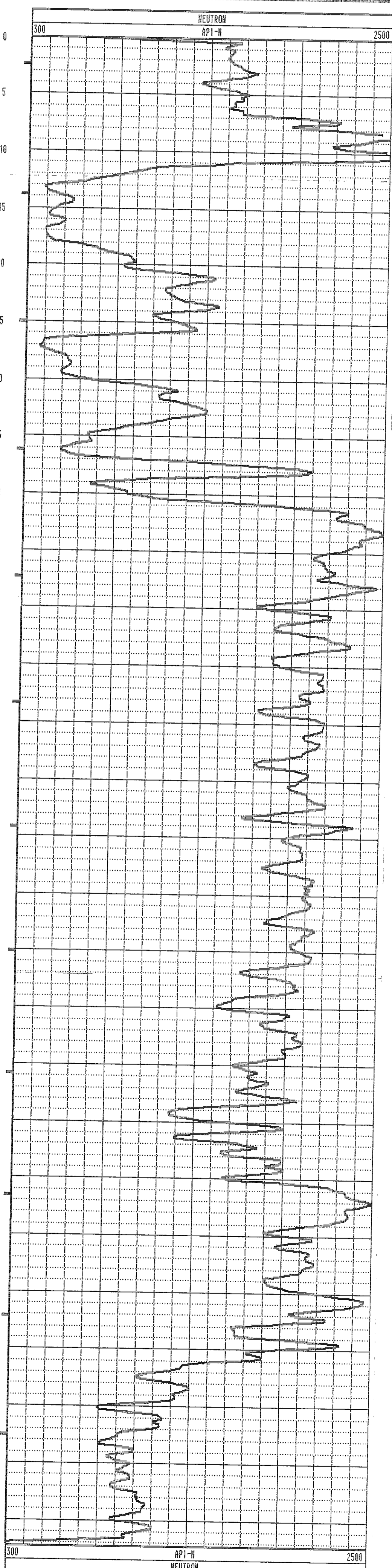
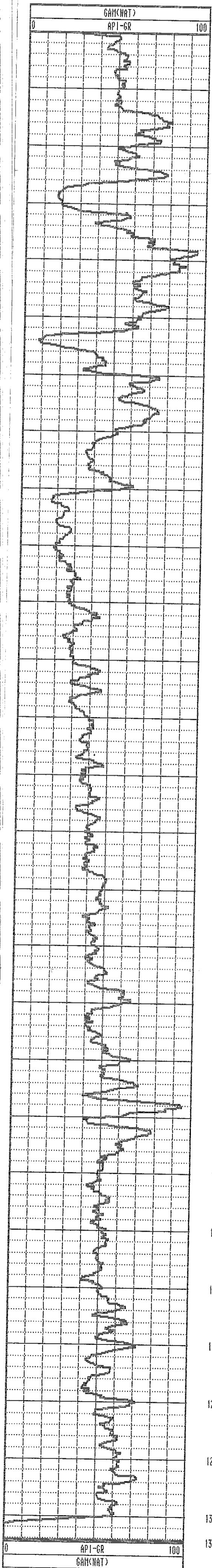


17-2

GAMMA-NEUTRON

COMPANY	: Fording Coal	OTHER SERVICES:
WELL	: RH 2329	RH2329
LOCATION/FIELD	: Castle Mt.	Castle
COUNTY	:	G/N
STATE	:	2329
SECTION	:	TOWNSHIP :
		RANGE :
DATE	: 08/16/91	PERMANENT DATUM :
DEPTH DRILLER	:	ELEV. PERM. DATUM:
LOG BOTTOM	: 132.30	LOG MEASURED FROM: G.L.
LOG TOP	: 0.30	DRL MEASURED FROM:
CASING DRILLER	:	LOGGING UNIT : 379
CASING TYPE	: Steel	FIELD OFFICE : G.O.
CASING THICKNESS:	.03	RECORDED BY : Sandy
BIT SIZE	:	BOREHOLE FLUID : H2O
MAGNETIC DECL.	: 21	RM :
MATRIX DENSITY	:	RM TEMPERATURE :
FLUID DENSITY	:	MATRIX DELTA T :
NEUTRON MATRIX	:	FLUID DELTA T :
REMARKS	:	FILE : ORIGINAL
		TYPE : 9055A
		LOG : 1
		PLOT : 9055A 0
		THRESH:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



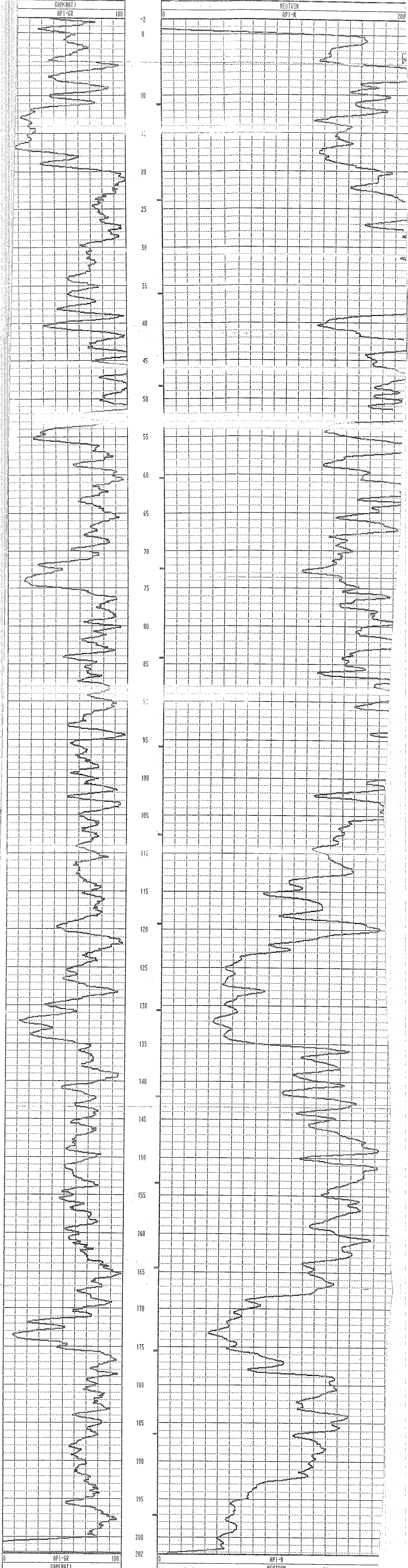
TOP : -1.70 DRL MEASURED FROM: GL :
 LOGGING DRILLER : 6 LOGGING UNIT : 379
 LOGGING TYPE : Steel FIELD OFFICE : G.O.
 LOGGING THICKNESS : .03 RECORDED BY : rk

97-9

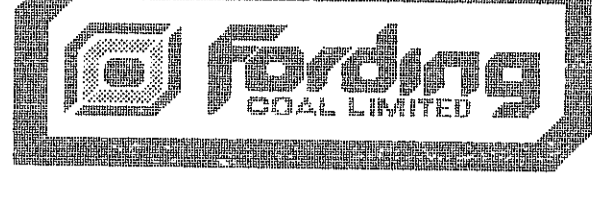
SIZE : BOREHOLE FLUID : H2O FILE : ORIGINAL
 MAGNETIC DECL. : 21 RM : TYPE : 9055A
 TRUE DENSITY : MATRIX TEMPERATURE : LOG : 7
 TRUE DENSITY : MATRIX DELTA T : PLOT : 9055A @
 TRUE DENSITY : FLUID DELTA T : THRESH :
 MARKS :

RH#2330 Gamma-Neutron

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



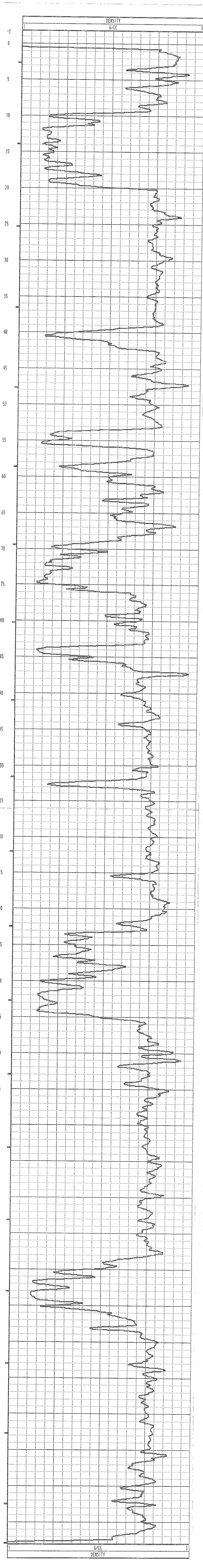
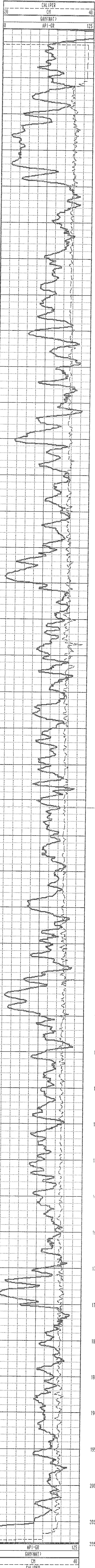
282



97-9

GAMMA-RES-DENSITY

COMPANY : Fording Coal	OTHER SERVICES: RH 2338	
WELL : RH 2330 Density	Castle	
LOCATION/FIELD : Castle	G/M 2330	
COUNTY :		
STATE :		
SECTION :	TOWNSHIP :	
	RANGE :	
DATE : 08/29/91	PERMANENT DATUM :	ELEVATIONS
DEPTH DRILLER : 203	ELEV. PERM. DATUM:	KB :
LOG BOTTOM : 148.10	LOG MEASURED FROM: G.L.	DF :
LOG TOP : 00	DRL MEASURED FROM:	GL :
CASING DRILLER : 12.0	LOGGING UNIT : 379	
CASING TYPE : Steel	FIELD OFFICE : G.O.	
CASING THICKNESS: .03	RECORDED BY : Sandy	
BIT SIZE :	BOREHOLE FLUID : H2O	FILE : ORIGINAL
MAGNETIC DECL. : 21	RM :	TYPE : 9032AA
MATRIX DENSITY :	RM TEMPERATURE :	LOG : 4
FLUID DENSITY :	MATRIX DELTA T :	PLOT : 9032AA 0
NEUTRON MATRIX :	FLUID DELTA T :	THRESH:
REMARKS :		
RH 2338 NEUTRON		
BARRY MUSIL HAS NO FRIENDS DO DA DO DA		
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS		



OK

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

CLIENT : Fording Coal HOLE ID. : RH 2248 Devia
FIELD OFFICE : G.O. DATE OF LOG : 07/12/91
DATA FROM : PROBE : 9055A , 232
MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 6

BLE 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	-0.07	-0.05	0.1	215.6	1.5	22.5
20.8	20.79	0.23	-0.19	0.3	320.5	3.1	0.3
30.8	30.78	0.52	-0.35	0.6	326.0	1.7	356.3
40.8	40.78	0.58	-0.20	0.6	341.5	1.4	23.8
50.8	50.78	0.42	-0.20	0.5	335.2	2.7	232.1
60.8	60.77	0.27	-0.61	0.7	294.0	1.2	149.2
70.8	70.77	0.29	-0.56	0.6	297.3	0.9	16.7
80.8	80.77	0.35	-0.54	0.6	302.9	0.3	343.7
90.8	90.77	0.35	-0.52	0.6	304.2	0.7	67.2
100.8	100.76	0.22	-0.75	0.8	286.4	1.4	156.0
110.8	110.75	0.09	-0.88	0.9	275.7	1.7	254.4
120.8	120.74	-0.08	-1.28	1.3	266.6	3.2	221.4
130.8	130.72	-0.43	-1.79	1.8	256.5	3.9	241.8
133.3	133.02	-0.50	-1.93	2.0	255.4	0.0	0.0

OK

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

CLIENT : Fording Coal HOLE ID. : RH 2249
FIELD OFFICE : G.O. DATE OF LOG : 07/08/91
DATA FROM : PROBE : 9055A 232
MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

BLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
1.3	0.00	0.00	0.00	0.0	0.0	0.0	0.0
11.3	11.29	-0.12	-0.08	0.1	213.2	3.9	63.8
21.3	21.28	-0.23	0.00	0.2	179.2	1.7	177.9
31.3	31.27	-0.21	0.07	0.2	161.7	3.3	322.8
41.3	41.26	-0.15	0.11	0.2	145.1	1.3	310.1
51.3	51.26	-0.04	0.02	0.0	157.5	2.6	10.3
61.3	61.25	0.01	0.26	0.3	88.3	1.6	224.5
71.3	71.24	0.00	0.13	0.1	89.3	1.4	209.5
81.3	81.24	-0.06	0.06	0.1	134.6	1.7	47.7
91.3	91.24	0.05	-0.05	0.1	314.4	1.4	166.1
101.3	101.23	0.11	-0.13	0.2	308.9	4.0	56.7
111.3	111.20	0.19	0.05	0.2	14.3	4.8	40.3
121.3	121.17	0.46	0.30	0.5	32.8	4.4	135.3
126.2	125.85	0.64	0.38	0.7	30.9	0.0	0.0

ok

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

CLIENT : Fording Coal HOLE ID. : RH 2250 Taylo
FIELD OFFICE : G.O. DATE OF LOG : 07/09/91
DATA FROM : PROBE : 9055A , 232
MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 4

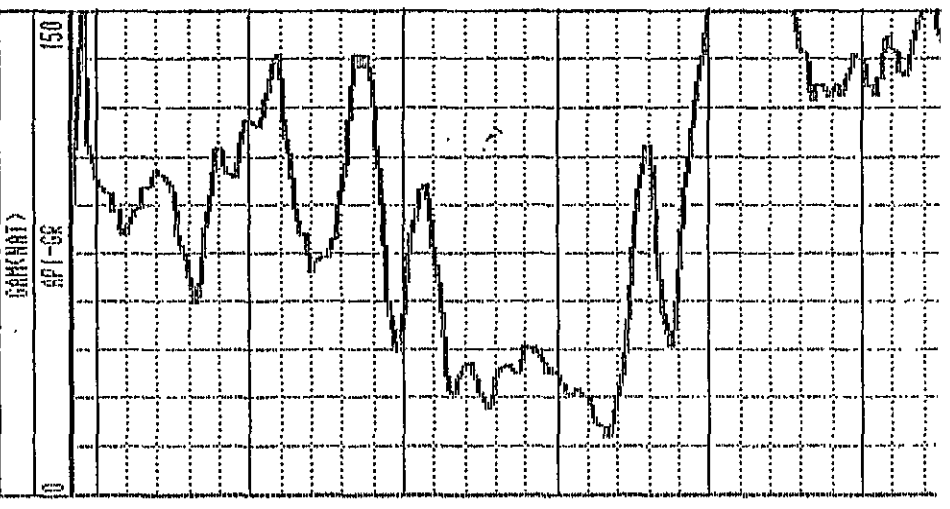
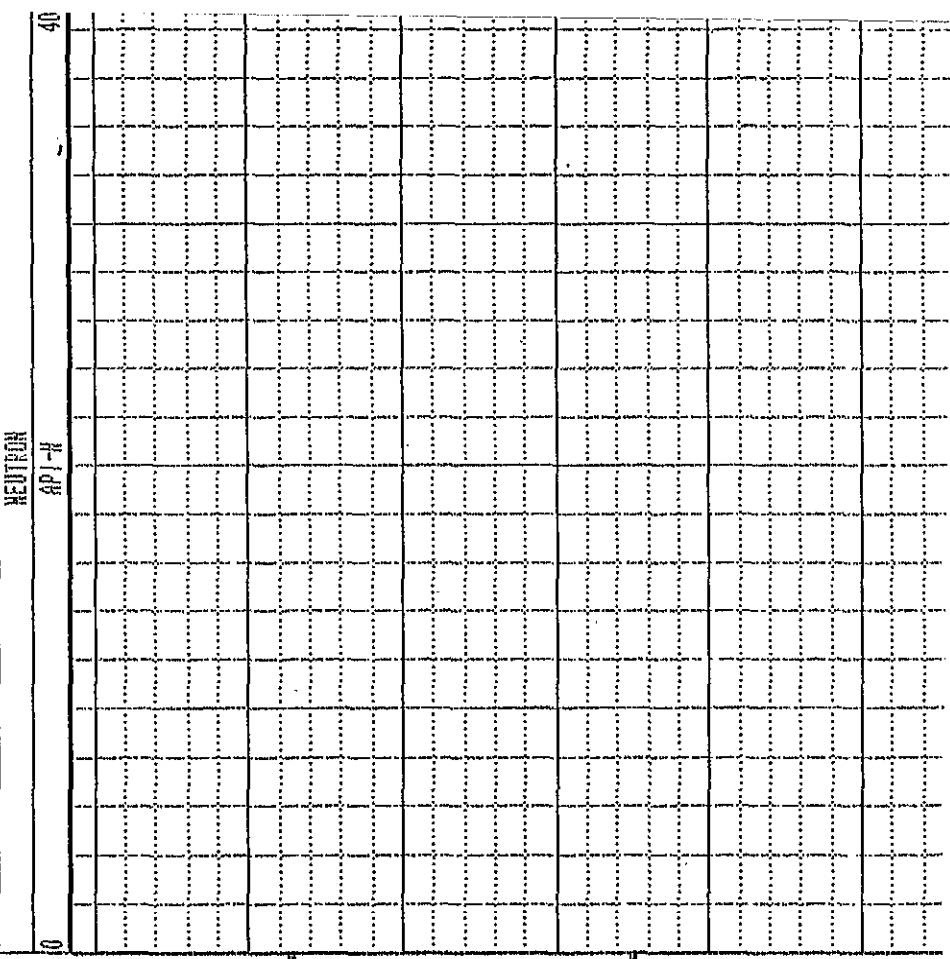
BLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
1.1	1.10	0.00	0.00	0.0	0.0	0.0	0.0
11.1	11.10	-0.03	-0.24	0.2	262.2	1.9	263.9
21.1	21.09	-0.18	-0.50	0.5	250.6	2.2	233.9
31.1	31.09	-0.31	-0.81	0.9	248.9	2.1	251.6
41.1	41.08	-0.34	-1.18	1.2	253.9	2.2	269.6
51.1	51.07	-0.33	-1.59	1.6	258.3	2.5	270.9
61.1	61.06	-0.36	-2.05	2.1	260.1	3.0	252.7
71.1	71.05	-0.55	-2.22	2.3	256.1	1.6	207.9
81.1	81.05	-0.78	-2.25	2.4	250.9	2.0	197.3
91.1	91.05	-1.01	-2.34	2.5	246.5	1.5	210.5
101.1	101.04	-1.17	-2.55	2.8	245.3	1.9	227.5
111.1	111.01	-1.20	-3.27	3.5	249.8	4.9	273.8
120.8	120.46	-1.39	-4.19	4.4	251.6	0.0	0.0

OK

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

CLIENT : Fording Coal HOLE ID. : RH2351
 FIELD OFFICE : G.D. DATE OF LOG : 09/19/91
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

BLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	0.02	0.00	0.0	11.0	2.0	9.9
5.0	5.00	0.10	0.03	0.1	16.2	1.2	8.4
10.0	10.00	0.16	0.01	0.2	5.0	0.5	333.6
15.0	15.00	0.20	-0.01	0.2	358.0	0.5	323.2
20.0	20.00	0.22	-0.04	0.2	348.9	0.6	295.6
25.0	25.00	0.22	-0.08	0.2	339.3	0.4	267.3
30.0	30.00	0.21	-0.16	0.3	323.0	1.1	254.2
35.0	34.99	0.19	-0.28	0.3	303.7	1.7	276.4
40.0	39.99	0.19	-0.45	0.5	292.5	2.0	259.3
45.0	44.99	0.16	-0.64	0.7	284.1	2.4	257.3
50.0	49.98	0.12	-0.86	0.9	277.7	2.7	246.7
55.0	54.98	0.04	-1.08	1.1	271.9	2.8	250.2
60.0	59.97	-0.06	-1.33	1.3	267.3	3.5	249.9
65.0	64.96	-0.19	-1.60	1.6	263.2	3.7	244.7
70.0	69.95	-0.34	-1.89	1.9	259.7	3.8	243.5
75.0	74.94	-0.52	-2.18	2.2	256.5	3.9	230.8
80.0	79.93	-0.75	-2.44	2.5	252.9	4.3	235.3
85.0	84.91	-0.99	-2.71	2.9	249.9	4.4	225.7
90.0	89.90	-1.24	-2.98	3.2	247.4	4.2	226.8
95.0	94.88	-1.52	-3.25	3.6	245.0	4.5	224.5
100.0	99.87	-1.80	-3.51	3.9	242.9	4.4	222.7
105.0	104.85	-2.08	-3.77	4.3	241.1	4.6	225.3
110.0	109.84	-2.40	-4.04	4.7	239.3	4.9	222.3
115.0	114.82	-2.73	-4.33	5.1	237.8	5.1	216.3
120.0	119.80	-3.08	-4.63	5.6	236.4	5.4	218.4
125.0	124.77	-3.44	-4.92	6.0	235.0	5.4	219.8
130.0	129.75	-3.84	-5.20	6.5	233.6	5.6	210.8
135.0	134.73	-4.24	-5.50	6.9	232.4	6.0	218.0
140.0	139.70	-4.67	-5.83	7.5	231.3	6.1	219.4
145.0	144.67	-5.09	-6.13	8.0	230.3	6.4	212.9
150.0	149.64	-5.57	-6.44	8.5	229.1	6.7	213.8
155.0	154.60	-6.06	-6.70	9.0	227.9	4.7	203.3
160.0	159.58	-6.49	-6.94	9.5	226.9	6.5	196.8
165.0	164.55	-6.96	-7.12	10.0	225.6	5.9	200.7
170.0	169.53	-7.40	-7.29	10.4	224.6	5.2	201.3
175.0	174.51	-7.82	-7.44	10.8	223.6	4.8	204.7
180.0	179.49	-8.18	-7.62	11.2	223.0	4.3	206.9
185.0	184.48	-8.52	-7.80	11.6	222.5	4.4	214.1
190.0	189.46	-8.84	-7.98	11.9	222.1	3.6	218.4
195.0	194.45	-9.07	-8.22	12.2	222.2	4.6	213.5
196.1	195.35	-9.12	-8.26	12.3	222.2	0.0	0.0



***** COMPUTE LOG - VERTICAL DEVIATION *****

OK

CLIENT : Forpding Coal
 FIELD OFFICE : 6.0.
 DATA FROM :
 MAG. DECL. : 21.000
 HOLE ID. : RH 2330 Dev1
 DATE OF LOG : 08/29/91
 PROBE : 9055A
 DEPTH UNITS : METERS LOG 2 232

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	-0.04	-0.04	0.1	222.3	1.3	197.8
20.0	20.00	-0.26	-0.13	0.3	206.5	1.9	171.5
30.0	29.99	-0.57	0.04	0.6	176.5	2.1	142.2
40.0	39.98	-0.83	0.19	0.8	167.3	0.9	177.8
50.0	49.98	-1.05	0.19	1.1	169.6	1.5	177.2
60.0	59.98	-1.32	0.28	1.3	168.0	2.3	134.6
70.0	69.97	-1.59	0.61	1.7	159.1	2.5	124.8
80.0	79.96	-1.80	0.82	2.0	155.5	1.4	141.9
90.0	89.96	-2.00	1.03	2.2	152.6	2.3	121.8
100.0	99.95	-2.15	1.41	2.6	146.7	3.0	89.4
110.0	109.95	-2.33	1.58	2.8	145.9	1.4	125.0
120.0	119.94	-2.50	1.81	3.1	144.1	1.9	119.1
130.0	129.94	-2.67	2.11	3.4	141.7	2.1	107.3
140.0	139.93	-2.81	2.45	3.7	138.9	2.5	110.9
150.0	149.92	-2.92	2.92	4.1	135.0	3.7	83.7
160.0	159.89	-2.88	3.56	4.6	128.9	4.1	79.3
170.0	169.87	-2.76	4.16	5.0	123.6	2.9	77.5
180.0	179.86	-2.62	4.72	5.4	119.0	3.4	68.8
190.0	189.84	-2.43	5.27	5.8	114.7	3.4	68.2
200.0	199.83	-2.25	5.72	6.1	111.5	2.9	68.8
207.0	206.62	-2.15	6.02	6.4	109.6	0.0	0.0

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

OK.

CLIENT : Fording Coal HOLE ID. : RH 2331 neu.
 FIELD OFFICE : G.O. DATE OF LOG : 08/13/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-1.7	0.00	0.00	0.00	0.0	0.0	0.0	0.0
8.3	8.29	-0.03	0.25	0.3	97.8	1.2	135.2
18.3	18.28	0.10	0.52	0.5	79.7	2.3	53.5
28.3	28.28	0.15	0.70	0.7	77.9	1.0	155.4
38.3	38.28	0.01	0.85	0.8	89.5	1.3	136.0
48.3	48.27	-0.16	1.04	1.1	98.6	1.6	138.5
58.3	58.27	-0.34	1.23	1.3	105.4	1.7	128.0
68.3	68.26	-0.57	1.49	1.6	110.8	2.2	137.2
78.3	78.25	-0.84	1.86	2.0	114.3	1.5	124.9
88.3	88.24	-1.11	2.35	2.6	115.3	3.9	122.8
98.3	98.22	-1.36	2.91	3.2	114.9	3.3	102.0
108.3	108.20	-1.61	3.45	3.8	115.0	3.4	99.1
118.3	118.18	-1.82	4.05	4.4	114.1	3.8	105.8
128.3	128.14	-2.02	4.84	5.2	112.7	3.2	129.2
138.3	138.12	-2.24	5.38	5.8	112.6	3.6	122.9
148.3	148.11	-2.48	5.96	6.5	112.6	3.6	104.9
158.3	158.08	-2.74	6.63	7.2	112.4	3.7	108.8
168.3	168.05	-3.02	7.33	7.9	112.4	4.7	110.0
178.3	178.00	-3.34	8.20	8.9	112.2	6.0	107.2
188.3	187.90	-3.58	9.58	10.2	110.5	9.1	98.1
198.3	197.77	-3.82	11.17	11.8	108.9	9.2	101.4
208.3	207.61	-4.05	12.92	13.5	107.4	10.7	93.4
218.3	217.43	-4.25	14.79	15.4	106.0	11.3	95.1
228.3	227.23	-4.44	16.80	17.4	104.8	12.2	91.9
238.3	236.99	-4.61	18.95	19.5	103.7	12.8	94.0
248.3	246.73	-4.79	21.22	21.8	102.7	13.5	92.8
258.3	256.44	-4.91	23.61	24.1	101.8	14.1	91.3
268.3	266.09	-5.00	26.20	26.7	100.8	15.8	92.2
278.3	275.71	-5.08	28.95	29.4	99.9	16.4	90.2
282.0	279.08	-5.09	29.89	30.3	99.7	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2331 neu.
 FIELD OFFICE : G.O. DATE OF LOG : 08/13/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-1.7	0.00	0.00	0.00	0.0	0.0	0.0	0.0
8.3	8.29	-0.03	0.25	0.3	97.8	1.2	135.2
18.3	18.28	0.10	0.52	0.5	79.7	2.3	53.5
28.3	28.28	0.15	0.70	0.7	77.9	1.0	155.4
38.3	38.28	0.01	0.85	0.8	89.5	1.3	136.0
48.3	48.27	-0.16	1.04	1.1	98.6	1.6	138.5
58.3	58.27	-0.34	1.23	1.3	105.4	1.7	128.0
68.3	68.26	-0.57	1.49	1.6	110.8	2.2	137.2
78.3	78.25	-0.84	1.86	2.0	114.3	1.5	124.9
88.3	88.24	-1.11	2.35	2.6	115.3	3.9	122.8
98.3	98.22	-1.36	2.91	3.2	114.9	3.3	102.0
108.3	108.20	-1.61	3.45	3.8	115.0	3.4	99.1
118.3	118.18	-1.82	4.05	4.4	114.1	3.8	105.8
128.3	128.14	-2.02	4.84	5.2	112.7	3.2	129.2

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

CLIENT	: Fording Coal	HOLE ID.	: RH 2333
FIELD OFFICE	: S.O.	DATE OF LOG	: 09/28/91
DATA FROM	:	PROBE	: 9055A 232
MAG. DECL.	: 21.000	DEPTH UNITS	: METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.3	0.30	0.00	0.00	0.0	0.0	0.0	0.0
10.3	10.30	0.05	0.08	0.1	59.1	1.5	75.8
20.3	20.30	0.06	0.24	0.2	75.3	0.3	119.7
30.3	30.30	0.05	0.33	0.3	80.8	1.2	98.4
40.3	40.29	-0.13	0.43	0.4	106.4	1.2	152.7
50.3	50.29	-0.37	0.64	0.7	120.0	1.9	133.1
60.3	60.28	-0.65	0.92	1.1	125.4	2.5	135.2
70.3	70.27	-0.99	1.20	1.6	129.6	2.6	133.5
80.3	80.26	-1.31	1.50	2.0	131.1	2.6	131.0
90.3	90.25	-1.64	1.83	2.5	131.8	2.7	128.9
100.3	100.24	-1.80	2.14	2.8	130.1	2.1	116.0
110.3	110.23	-1.95	2.49	3.2	128.1	2.3	107.1
120.3	120.23	-2.10	2.85	3.5	126.4	2.2	123.3
130.3	130.22	-2.28	3.24	4.0	125.2	2.7	110.1
140.3	140.20	-2.49	3.64	4.4	124.4	2.7	106.1
150.3	150.19	-2.69	4.03	4.8	123.7	2.9	106.1
160.3	160.18	-2.85	4.44	5.3	122.7	2.4	88.1
170.3	170.17	-2.96	4.91	5.7	121.1	2.8	109.1
180.3	180.16	-3.07	5.46	6.3	119.4	3.5	105.1
190.3	190.13	-3.27	6.06	6.9	118.4	4.1	114.1
200.3	200.11	-3.49	6.75	7.6	117.3	4.5	109.9
210.3	210.07	-3.70	7.62	8.5	115.9	5.9	102.9
220.3	220.00	-4.02	8.69	9.6	114.8	6.9	110.7
230.3	229.92	-4.46	9.87	10.8	114.3	7.5	114.2
240.3	239.83	-5.06	11.04	12.1	114.6	7.6	123.8
249.0	248.25	-5.72	12.01	13.3	115.5	0.0	0.0



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

CLIENT : Fording Coal HOLE ID. : RH 2336 Castl
FIELD OFFICE : G.O. DATE OF LOG : 08/06/91
DATA FROM : PROBE : 9055A , 232
MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 6

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	21.0
10.0	10.00	0.09	-0.00	0.1	358.3	1.2	34.6
20.0	20.00	0.21	0.09	0.2	22.8	1.0	307.7
30.0	29.99	0.34	-0.01	0.3	358.1	1.3	347.2
40.0	39.99	0.62	-0.03	0.6	357.5	1.4	0.7
50.0	49.99	0.91	0.07	0.9	4.3	2.0	24.1
60.0	59.98	1.29	0.29	1.3	12.8	2.9	47.6
70.0	69.95	1.73	0.82	1.9	25.3	5.1	55.7
80.0	79.92	2.20	1.39	2.6	32.2	4.5	56.9
90.0	89.88	2.74	2.13	3.5	37.8	5.8	55.4
100.0	99.81	3.40	3.09	4.6	42.3	7.3	55.6
110.0	109.72	4.15	4.22	5.9	45.4	8.5	58.2
120.0	119.56	5.01	5.74	7.6	48.9	11.4	64.4
130.0	129.37	5.72	7.52	9.4	52.7	10.3	77.7
140.0	139.22	5.86	9.24	10.9	57.6	9.8	93.5
150.0	149.07	5.61	10.96	12.3	62.9	10.3	100.2
160.0	158.89	5.12	12.75	13.7	68.1	11.5	110.4
170.0	168.68	4.28	14.63	15.2	73.7	12.5	120.7
180.0	178.43	3.05	16.47	16.7	79.5	12.8	129.1
190.0	188.17	1.58	18.17	18.2	85.0	12.0	133.1
200.0	197.75	0.09	19.56	19.6	89.7	0.0	21.0
200.0	197.75	0.09	19.56	19.6	89.7	0.0	21.0



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

CLIENT : Fording Coal HOLE ID. : RH 2339 Dev.
FIELD OFFICE : G.O. DATE OF LOG : 08/02/91
DATA FROM : PROBE : 9055A , 232
MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.4	0.40	0.00	0.00	0.0	0.0	0.0	0.0
10.4	10.40	-0.13	0.05	0.1	159.2	1.1	144.1
20.4	20.40	-0.23	0.23	0.3	135.8	1.2	104.3
30.4	30.39	-0.26	0.44	0.5	120.6	1.4	88.7
40.4	40.39	-0.17	0.38	0.4	114.4	1.1	245.8
50.4	50.39	-0.36	0.43	0.6	129.8	1.1	165.2
60.4	60.38	-0.49	0.72	0.9	124.2	3.3	89.2
70.4	70.38	-0.43	1.05	1.1	112.4	1.5	71.1
80.4	80.36	-0.36	1.60	1.6	102.6	3.1	76.6
90.4	90.34	-0.19	2.17	2.2	95.0	3.6	77.9
100.4	100.31	0.00	2.92	2.9	90.0	4.5	70.2
110.4	110.26	0.26	3.79	3.8	86.1	4.7	69.0
120.4	120.22	0.58	4.66	4.7	82.9	5.9	73.2
130.4	130.16	0.94	5.68	5.8	80.8	6.6	74.3
140.4	140.10	1.30	6.77	6.9	79.1	7.1	75.8
150.4	150.01	1.69	8.00	8.2	78.1	7.9	73.1
156.5	155.86	1.92	8.77	9.0	77.6	0.0	0.0



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

CLIENT : Fordino Coal	HOLE ID. : RH2340
FIELD OFFICE : G.O.	DATE OF LOG : 09/26/91
DATA FROM :	PROBE : 9055A 232
MAG. DECL. : 21.000	DEPTH UNITS : METERS LOG 1

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	-0.01	0.02	0.0	114.5	0.9	95.4
5.0	5.00	0.00	0.03	0.0	89.5	0.4	81.4
10.0	10.00	0.01	-0.00	0.0	339.9	0.5	294.6
15.0	15.00	0.02	-0.05	0.1	294.6	0.2	289.3
20.0	20.00	0.01	-0.11	0.1	277.6	1.0	278.6
25.0	25.00	0.01	-0.20	0.2	274.1	1.6	296.3
30.0	30.00	0.08	-0.34	0.3	282.9	1.9	352.3
35.0	34.98	0.29	-0.58	0.6	296.7	4.3	310.5
40.0	39.97	0.52	-0.88	1.0	300.7	4.8	305.5
45.0	44.95	0.80	-1.23	1.5	303.0	5.6	309.6
50.0	49.93	1.07	-1.59	1.9	303.9	4.8	307.2
55.0	54.91	1.36	-1.95	2.4	305.0	5.9	307.8
60.0	59.88	1.66	-2.34	2.9	305.3	6.5	311.5
65.0	64.85	2.02	-2.79	3.4	305.9	6.6	307.4
70.0	69.82	2.38	-3.23	4.0	306.3	7.3	306.9
75.0	74.78	2.77	-3.70	4.6	306.8	7.0	310.4
80.0	79.73	3.21	-4.17	5.3	307.6	7.6	310.6
85.0	84.69	3.62	-4.69	5.9	307.7	8.1	304.6
90.0	89.64	4.05	-5.23	6.6	307.8	8.2	316.8
95.0	94.59	4.56	-5.72	7.3	308.6	8.4	314.8
100.0	99.54	5.03	-6.24	8.0	308.9	8.2	309.6
105.0	104.49	5.42	-6.80	8.7	308.6	7.9	305.5
110.0	109.45	5.84	-7.36	9.4	308.5	7.7	303.8
115.0	114.40	6.25	-7.92	10.1	308.3	8.4	309.5
120.0	119.35	6.64	-8.50	10.8	308.0	8.0	302.9
125.0	124.30	7.01	-9.08	11.5	307.7	8.0	304.1
130.0	129.25	7.39	-9.68	12.2	307.4	7.8	301.3
135.0	134.20	7.76	-10.25	12.9	307.1	7.7	305.4
140.0	139.15	8.16	-10.86	13.6	306.9	8.2	300.5
145.0	144.10	8.53	-11.41	14.3	306.8	7.8	310.6
150.0	149.07	8.86	-11.90	14.8	306.7	6.8	304.7
155.0	154.04	9.20	-12.33	15.4	306.7	5.8	305.6
160.0	159.01	9.56	-12.68	15.9	307.0	5.2	297.4
165.0	163.99	9.89	-13.00	16.3	307.3	5.6	321.5
170.0	168.97	10.24	-13.27	16.8	307.7	5.0	321.3
175.0	173.95	10.59	-13.50	17.2	308.1	4.7	328.6
180.0	178.94	10.94	-13.70	17.5	308.6	4.9	335.3
185.0	183.92	11.35	-13.88	17.9	309.3	5.2	337.1
190.0	188.90	11.76	-14.04	18.3	310.0	4.8	340.7
195.0	193.88	12.17	-14.17	18.7	310.6	5.1	340.5
200.0	198.86	12.61	-14.34	19.1	311.3	5.4	338.7
205.0	203.84	13.03	-14.49	19.5	312.0	5.2	343.8
210.0	208.81	13.49	-14.62	19.9	312.7	6.1	341.2
215.0	213.78	14.00	-14.79	20.4	313.4	6.2	339.5
220.0	218.75	14.53	-14.98	20.9	314.1	6.3	342.0
225.0	223.72	15.07	-15.16	21.4	314.8	6.5	343.4
230.0	228.68	15.64	-15.34	21.9	315.5	6.9	346.0
235.0	233.64	16.25	-15.52	22.5	316.3	7.4	345.9
240.0	238.60	16.91	-15.70	23.1	317.1	8.4	343.6
245.0	243.54	17.61	-15.91	23.7	317.9	8.5	341.7
250.0	248.50	18.26	-16.12	24.4	318.6	8.1	342.2
255.0	253.45	18.87	-16.31	24.9	319.2	7.0	341.6

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

CLIENT : Fordina Coal HOLE ID. : RH2340
 FIELD OFFICE : G.O. DATE OF LOG : 09/26/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
260.0	258.41	19.51	-16.48	25.5	319.8	7.9	346.1
265.0	263.37	20.12	-16.62	26.1	320.4	7.2	347.7
270.0	268.33	20.77	-16.75	26.7	321.1	7.7	350.3
275.0	273.28	21.43	-16.87	27.3	321.8	7.8	352.0
280.0	278.23	22.12	-16.97	27.9	322.5	8.1	351.4
284.8	282.79	22.75	-17.07	28.4	323.1	0.0	0.0

Page 2

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

CLIENT : Fording Coal HOLE ID. : RH 2341 DEVIA
 FIELD OFFICE : G.O. DATE OF LOG : 09/28/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

ABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-0.2	0.00	0.00	0.00	0.0	0.0	0.0	0.0
9.8	9.80	-0.12	-0.00	0.1	182.1	1.1	183.9
19.8	19.80	-0.29	0.06	0.3	169.2	1.4	101.0
29.8	29.79	-0.26	0.25	0.4	136.2	1.2	45.0
39.8	39.79	0.03	0.25	0.3	83.1	2.0	335.9
49.8	49.77	0.46	-0.01	0.5	358.4	3.8	324.2
59.8	59.76	0.86	-0.37	0.9	336.7	2.5	347.6
69.8	69.74	1.36	-0.77	1.6	330.4	5.0	294.4
79.8	79.71	1.79	-1.22	2.2	325.6	3.5	320.4
89.8	89.69	2.20	-1.70	2.8	322.3	3.8	309.3
99.8	99.66	2.68	-2.31	3.5	319.3	5.0	308.6
109.8	109.63	3.17	-2.91	4.3	317.5	4.6	305.6
119.8	119.60	3.69	-3.48	5.1	316.7	4.3	313.1
129.8	129.56	4.30	-4.08	5.9	316.5	4.9	314.6
139.8	139.51	4.99	-4.75	6.9	316.4	5.9	311.3
149.8	149.46	5.66	-5.46	7.9	316.0	5.9	300.3
159.8	159.41	6.34	-6.23	8.9	315.5	6.7	317.8
169.8	169.34	7.05	-7.15	10.0	314.6	6.9	307.5
179.8	179.28	7.63	-8.08	11.1	313.4	6.0	295.9
189.8	189.22	8.17	-9.03	12.2	312.2	6.5	299.3
199.8	199.15	8.62	-9.96	13.2	310.9	5.6	292.6
209.8	209.12	9.00	-10.79	14.0	309.8	5.2	287.6
219.8	219.08	9.29	-11.65	14.9	308.6	6.2	278.8
229.8	229.00	9.65	-12.79	16.0	307.0	7.0	289.3
239.8	238.91	10.08	-14.11	17.3	305.6	8.2	284.2
249.8	248.79	10.55	-15.56	18.8	304.1	9.1	289.5
252.3	251.06	10.66	-15.88	19.1	303.9	0.0	0.0

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OK

2343 Dev.

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

CLIENT : Fordina Coal HOLE ID. : RH 2343 DEVIA
 FIELD OFFICE : G.O. DATE OF LOG : 10/04/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.1	0.10	0.00	0.00	0.0	0.0	0.0	0.0
10.1	10.10	0.04	0.03	0.1	35.6	0.8	53.4
20.1	20.10	0.12	0.11	0.2	42.0	0.6	25.9
30.1	30.10	0.20	0.14	0.2	34.2	0.3	315.0
40.1	40.10	0.32	0.13	0.3	22.1	0.5	19.8
50.1	50.10	0.48	0.14	0.5	16.1	0.9	8.8
60.1	60.09	0.69	0.17	0.7	13.6	1.8	27.0
70.1	70.09	0.98	0.26	1.0	14.7	1.4	6.1
80.1	80.08	1.32	0.38	1.4	15.9	2.2	16.1
90.1	90.07	1.70	0.51	1.8	16.7	1.9	19.5
100.1	100.07	2.01	0.64	2.1	17.8	2.0	30.6
104.8	104.56	2.19	0.71	2.3	17.9	0.0	0.0



OK

2345

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

CLIENT : Fording Coal HOLE ID. : RH2345
 FIELD OFFICE : G.O. DATE OF LOG : 10/04/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 4

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	-0.01	-0.02	0.0	246.9	2.3	246.9
5.0	5.00	0.04	-0.11	0.1	289.8	1.6	319.3
10.0	10.00	0.01	-0.26	0.3	272.5	1.7	256.2
15.0	14.99	-0.00	-0.40	0.4	269.6	1.6	273.2
20.0	19.99	-0.03	-0.56	0.6	266.9	1.8	256.0
25.0	24.99	-0.03	-0.67	0.7	267.0	1.1	335.9
30.0	29.99	0.04	-0.73	0.7	272.8	1.4	317.0
35.0	34.99	0.12	-0.81	0.8	278.5	1.5	328.9
40.0	39.98	0.21	-0.89	0.9	283.4	1.5	319.4
45.0	44.98	0.32	-0.98	1.0	287.8	1.7	316.6
50.0	49.98	0.42	-1.09	1.2	291.3	1.7	311.2
55.0	54.98	0.54	-1.20	1.3	294.1	2.2	311.7
60.0	59.97	0.65	-1.33	1.5	296.2	2.0	312.9
65.0	64.97	0.76	-1.46	1.7	297.6	2.0	306.0
70.0	69.97	0.85	-1.66	1.9	297.0	3.2	279.2
75.0	74.96	0.89	-1.91	2.1	295.0	3.0	278.9
80.0	79.95	0.92	-2.17	2.4	293.1	3.2	278.1
85.0	84.95	0.95	-2.43	2.6	291.4	3.1	282.5
90.0	89.94	0.99	-2.70	2.9	290.1	3.0	277.4
95.0	94.93	1.04	-2.97	3.2	289.3	3.2	281.5
100.0	99.92	1.10	-3.25	3.4	288.7	3.5	284.3
105.0	104.91	1.18	-3.54	3.7	288.4	3.3	283.2
110.0	109.90	1.25	-3.83	4.0	288.0	3.5	278.0
115.0	114.90	1.33	-4.12	4.3	287.9	3.3	286.5
120.0	119.89	1.41	-4.39	4.6	287.8	0.0	0.0
120.0	119.89	1.41	-4.39	4.6	287.8	0.0	0.0



OK.

2346

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

CLIENT : Fording Coal HOLE ID. : RH2346
 FIELD OFFICE : G.O. DATE OF LOG : 10/04/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 0

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	0.01	-0.01	0.0	293.6	0.9	286.7
10.0	10.00	0.01	-0.16	0.2	272.6	0.7	284.4
20.0	20.00	0.07	-0.30	0.3	283.1	0.9	246.4
30.0	29.99	0.17	-0.29	0.3	300.7	1.2	23.2
40.0	39.99	0.40	-0.22	0.5	331.5	1.4	19.7
50.0	49.99	0.68	-0.15	0.7	347.5	1.8	6.4
60.0	59.98	0.93	-0.12	0.9	352.5	1.2	1.9
70.0	69.98	1.15	-0.12	1.2	354.1	1.7	358.5
80.0	79.98	1.43	-0.14	1.4	354.4	1.7	354.9
90.0	89.97	1.74	-0.17	1.7	354.4	1.8	357.2
100.0	99.96	2.19	-0.39	2.2	349.9	2.9	329.9
110.0	109.94	2.67	-0.66	2.7	346.2	3.4	333.4
120.0	119.93	3.20	-0.91	3.3	344.1	3.4	333.5
130.0	129.91	3.77	-1.17	3.9	342.8	3.9	331.0
140.0	139.89	4.36	-1.43	4.6	341.9	3.6	337.1
150.0	149.87	4.95	-1.68	5.2	341.2	0.0	0.0
150.2	149.87	4.95	-1.68	5.2	341.2	0.0	0.0



2347 Dev.

OK

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

CLIENT	: Fording Coal	HOLE ID.	: RH 2347 DEVIA
FIELD OFFICE	: G.O.	DATE OF LOG	: 10/04/91
DATA FROM	:	PROBE	: 9055A , 232
MAG. DECL.	: 21.000	DEPTH UNITS	: METERS LOG 7

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-6.2	-6.20	0.00	0.00	0.0	0.0	0.0	0.0
3.8	3.80	0.06	0.00	0.1	3.6	0.2	60.5
13.8	13.80	-0.00	0.08	0.1	91.8	0.1	40.4
23.8	23.80	0.05	0.02	0.0	19.6	0.8	284.8
33.8	33.80	0.02	-0.13	0.1	280.0	1.0	204.2
43.8	43.79	-0.06	-0.03	0.1	210.8	0.9	87.6
53.8	53.79	0.03	0.10	0.1	72.9	1.1	38.6
63.8	63.79	0.20	0.05	0.2	12.9	0.8	44.0
73.8	73.79	0.36	0.12	0.4	19.3	1.2	16.6
83.8	83.78	0.65	0.11	0.7	9.7	2.3	339.5
93.8	93.77	1.06	-0.04	1.1	358.1	2.7	341.6
103.8	103.76	1.60	-0.11	1.6	356.1	3.5	355.4
113.8	113.74	2.24	-0.10	2.2	357.5	3.9	3.8
123.8	123.72	2.89	-0.06	2.9	358.7	3.9	4.2
133.8	133.69	3.60	0.01	3.6	0.1	4.2	3.9
143.5	143.17	4.29	0.06	4.3	0.8	0.0	0.0



OK

2348

Dev.

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

CLIENT : Fording Coal HOLE ID. : RH 2348 DEVIA
 FIELD OFFICE : G.O. DATE OF LOG : 10/04/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 5

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-0.4	0.00	0.00	0.00	0.0	0.0	0.0	0.0
9.6	9.60	-0.00	-0.07	0.1	269.7	0.8	274.6
19.6	19.60	-0.01	-0.20	0.2	266.4	0.6	192.0
29.6	29.60	0.06	-0.16	0.2	290.8	1.2	33.2
39.6	39.59	0.32	-0.06	0.3	349.7	1.9	14.8
49.6	49.58	0.71	-0.15	0.7	348.0	2.4	341.5
59.6	59.57	1.18	-0.34	1.2	343.9	3.2	335.9
69.6	69.56	1.66	-0.58	1.8	340.7	3.5	328.3
79.6	79.54	2.17	-0.91	2.3	337.3	3.6	323.5
89.6	89.52	2.67	-1.29	3.0	334.2	3.6	326.4
99.6	99.50	3.19	-1.68	3.6	332.3	4.0	326.7
109.6	109.47	3.81	-2.09	4.3	331.3	5.1	334.8
119.6	119.43	4.55	-2.53	5.2	330.9	5.1	328.5
129.6	129.38	5.36	-3.04	6.2	330.5	5.9	329.9
139.6	139.33	6.25	-3.62	7.2	329.9	6.3	321.7
148.2	147.68	6.99	-4.14	8.1	329.4	0.0	0.0



OK.

2349

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

CLIENT : Fording Coal HOLE ID. : RH2349
 FIELD OFFICE : G.O. DATE OF LOG : 09/26/91
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

ABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	-0.00	-0.03	0.0	267.9	3.1	260.2
10.0	9.99	0.08	-0.21	0.2	291.7	1.5	302.4
20.0	19.99	0.33	-0.42	0.5	308.2	2.2	333.7
30.0	29.98	0.66	-0.66	0.9	315.2	2.3	315.1
40.0	39.97	0.97	-1.04	1.4	313.3	3.2	300.3
50.0	49.95	1.24	-1.53	2.0	308.8	2.5	303.7
60.0	59.93	1.49	-2.14	2.6	304.8	3.8	296.3
70.0	69.90	1.74	-2.84	3.3	301.5	4.5	291.4
80.0	79.86	2.09	-3.65	4.2	299.8	5.5	297.3
90.0	89.82	2.52	-4.49	5.2	299.3	5.3	298.0
100.0	99.75	3.01	-5.49	6.3	298.7	6.7	298.9
110.0	109.69	3.49	-6.54	7.4	298.1	6.2	295.4
120.0	119.63	3.90	-7.49	8.4	297.5	5.4	297.2
130.0	129.58	4.26	-8.49	9.5	296.6	7.0	289.5
140.0	139.48	4.66	-9.79	10.8	295.5	7.8	286.5
143.9	143.15	4.80	-10.27	11.3	295.1	0.0	0.0



6K

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

CLIENT : Fording Coal HOLE ID. : R.H. 2350
 FIELD OFFICE : G.O. DATE OF LOG : 09/09/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	-0.00	-0.01	0.0	253.0	0.8	276.9
5.0	5.00	0.02	-0.01	0.0	326.3	0.8	285.0
10.0	10.00	0.01	-0.07	0.1	278.9	0.5	272.2
15.0	15.00	-0.01	-0.11	0.1	263.6	0.5	227.0
20.0	20.00	-0.05	-0.10	0.1	243.4	0.8	123.6
25.0	25.00	-0.08	-0.05	0.1	214.3	0.5	98.2
30.0	30.00	-0.09	-0.00	0.1	182.3	0.6	83.1
35.0	35.00	-0.08	0.07	0.1	138.2	0.9	85.5
40.0	40.00	-0.03	0.14	0.1	101.0	1.2	28.7
45.0	45.00	0.06	0.15	0.2	67.0	1.2	6.7
50.0	49.99	0.15	0.15	0.2	44.7	1.0	357.2
55.0	54.99	0.24	0.14	0.3	30.0	1.1	0.9
60.0	59.99	0.31	0.19	0.4	30.5	1.0	33.8
65.0	64.99	0.39	0.23	0.5	30.1	1.1	22.0
70.0	69.99	0.48	0.25	0.5	27.2	1.1	9.9
75.0	74.99	0.57	0.20	0.6	19.6	1.3	308.4
80.0	79.99	0.63	0.11	0.6	10.0	1.2	313.5
85.0	84.99	0.72	0.06	0.7	4.5	1.3	355.5
90.0	89.99	0.83	0.03	0.8	2.0	1.5	311.9
95.0	94.98	0.91	-0.08	0.9	355.0	1.6	299.1
100.0	99.98	0.98	-0.20	1.0	348.5	1.7	299.6
105.0	104.98	1.06	-0.33	1.1	342.8	1.9	304.7
110.0	109.98	1.15	-0.47	1.2	337.8	1.9	301.9
115.0	114.97	1.24	-0.62	1.4	333.5	2.0	298.8
120.0	119.97	1.33	-0.77	1.5	329.8	2.1	295.4
125.0	124.97	1.42	-0.93	1.7	326.6	2.0	296.5
130.0	129.96	1.50	-1.11	1.9	323.7	2.3	300.6
135.0	134.96	1.62	-1.29	2.1	321.4	2.5	299.6
140.0	139.95	1.75	-1.48	2.3	319.7	2.8	299.0
143.3	143.05	1.83	-1.60	2.4	318.8	0.0	0.0

30



Deviation

OK

RH 1997

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

CLIENT : Fording Coal HOLE ID. : RH 1997 Neutr
FIELD OFFICE : G.O. DATE OF LOG : 07/23/91
DATA FROM : PROBE : 9055A , 232
MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-1.4	-1.40	0.00	0.00	0.0	0.0	0.0	0.0
8.6	8.59	-0.04	0.11	0.1	111.7	1.6	270.1
18.6	18.59	-0.11	0.22	0.2	116.0	2.3	146.4
28.6	28.58	-0.27	0.15	0.3	150.3	1.6	144.5
38.6	38.57	-0.27	0.04	0.3	170.9	3.0	28.7
48.6	48.56	-0.27	0.07	0.3	165.1	2.4	103.3
58.6	58.55	-0.26	0.32	0.4	128.9	2.3	8.0
68.6	68.54	-0.27	0.39	0.5	124.3	1.4	188.8
78.6	78.54	-0.27	0.46	0.5	120.4	1.0	19.0
88.6	88.54	-0.22	0.55	0.6	111.6	3.2	30.0
98.6	98.53	-0.07	0.68	0.7	96.2	2.2	229.6
108.6	108.52	-0.19	0.67	0.7	106.1	0.9	41.5
118.6	118.52	-0.11	0.70	0.7	99.2	3.3	307.9
128.6	128.51	-0.17	0.60	0.6	105.5	1.7	196.5
138.6	138.50	-0.14	0.76	0.8	100.3	3.2	81.2
148.6	148.49	-0.12	0.98	1.0	97.0	2.3	137.7
158.6	158.48	-0.24	0.94	1.0	104.1	2.0	210.6
168.6	168.47	-0.37	0.87	0.9	113.3	2.0	256.4
178.6	178.45	-0.29	0.82	0.9	109.6	2.7	182.8
188.6	188.44	-0.36	0.88	0.9	112.5	2.5	60.3
198.6	198.43	-0.30	1.00	1.0	106.4	3.7	22.0
208.6	208.41	-0.19	1.28	1.3	98.6	3.0	8.9
218.6	218.40	-0.27	1.16	1.2	103.0	2.4	184.9
228.6	228.39	-0.25	1.21	1.2	101.8	2.7	261.2
238.6	238.38	-0.29	1.17	1.2	104.0	3.7	43.5
248.6	248.37	-0.34	1.15	1.2	106.3	2.9	46.5
258.6	258.36	-0.34	1.18	1.2	106.2	3.7	50.8
268.6	268.34	-0.60	1.08	1.2	119.2	3.4	290.5
278.6	278.32	-0.56	1.19	1.3	115.0	4.3	302.4
288.6	288.29	-0.28	1.40	1.4	101.3	4.7	158.8
298.6	298.25	-0.00	1.59	1.6	90.2	5.3	327.9
308.6	308.21	0.54	1.97	2.0	74.6	6.0	36.6
318.6	318.16	0.75	2.59	2.7	73.7	5.9	45.2
328.6	328.10	1.02	3.09	3.3	71.7	6.2	50.5
338.6	338.04	1.50	3.67	4.0	67.7	6.3	83.8
348.6	347.97	1.66	4.28	4.6	68.8	6.6	282.7
358.6	357.93	1.91	4.18	4.6	65.4	5.7	46.3
368.6	367.89	2.23	4.01	4.6	61.0	5.5	177.5
378.6	377.84	2.72	3.81	4.7	54.5	5.8	37.5
388.6	387.79	2.85	3.89	4.8	53.8	6.1	147.0
398.6	397.73	3.08	3.88	5.0	51.5	6.4	48.7
408.6	407.66	3.60	3.92	5.3	47.4	6.5	341.2
418.6	417.60	3.87	3.88	5.5	45.1	6.5	359.6
428.6	427.53	4.34	4.14	6.0	43.6	6.9	219.2
438.6	437.45	4.57	4.20	6.2	42.5	7.6	204.9
444.6	443.19	4.66	4.24	6.3	42.4	0.0	0.0

OK

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

CLIENT : Fording Coal HOLE ID. : RH 1999 Devia
 FIELD OFFICE : G.O. DATE OF LOG : 07/21/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 4

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-2.0	-2.00	0.00	0.00	0.0	0.0	0.0	0.0
8.0	7.99	0.21	0.11	0.2	27.9	2.3	10.0
18.0	17.98	0.61	0.17	0.6	15.4	2.0	339.9
28.0	27.98	0.98	0.16	1.0	9.2	2.1	9.5
38.0	37.97	1.35	0.25	1.4	10.5	2.3	9.1
48.0	47.96	1.68	0.48	1.7	15.8	2.9	38.5
58.0	57.95	2.10	0.81	2.2	21.0	3.2	33.9
68.0	67.94	2.46	1.02	2.7	22.5	0.7	300.4
78.0	77.93	2.55	0.93	2.7	20.0	0.7	344.8
88.0	87.93	2.64	0.89	2.8	18.7	1.5	99.2
98.0	97.91	3.05	1.40	3.4	24.7	4.1	50.8
108.0	107.90	3.34	1.59	3.7	25.5	2.2	320.2
118.0	117.90	3.53	1.63	3.9	24.9	3.8	66.4
128.0	127.88	3.87	1.84	4.3	25.4	2.0	358.5
138.0	137.86	4.34	2.21	4.9	27.0	4.9	41.4
148.0	147.85	4.79	2.31	5.3	25.8	2.1	9.3
158.0	157.84	5.20	2.38	5.7	24.6	2.3	2.0
168.0	167.83	5.55	2.39	6.0	23.3	2.3	343.5
178.0	177.82	5.94	2.61	6.5	23.7	2.8	33.9
188.0	187.80	6.32	2.82	6.9	24.1	4.8	46.5
198.0	197.77	6.88	3.45	7.7	26.6	5.3	48.1
208.0	207.73	7.49	4.14	8.6	29.0	5.4	42.9
218.0	217.71	7.91	4.45	9.1	29.3	2.5	28.7
228.0	227.69	8.31	4.74	9.6	29.7	3.4	26.1
238.0	237.68	8.68	5.05	10.0	30.2	2.5	51.1
248.0	247.67	8.95	5.46	10.5	31.4	3.7	64.7
258.0	257.64	9.20	6.07	11.0	33.4	3.7	68.2
268.0	267.63	9.42	6.65	11.5	35.2	3.3	72.5
278.0	277.61	9.59	7.21	12.0	36.9	3.3	72.1
288.0	287.59	9.83	7.75	12.5	38.2	3.3	60.5
298.0	297.57	10.26	8.18	13.1	38.6	3.6	39.8
308.0	307.55	10.73	8.54	13.7	38.5	4.1	25.0
318.0	317.53	11.33	8.73	14.3	37.6	4.0	8.0
328.0	327.51	12.04	8.72	14.9	35.9	3.9	7.5
338.0	337.49	12.68	8.68	15.4	34.4	3.2	357.3
348.0	347.47	13.33	8.68	15.9	33.1	3.6	355.6
358.0	357.45	13.92	8.59	16.4	31.7	3.2	347.5
368.0	367.43	14.46	8.43	16.7	30.2	2.9	338.8
378.0	377.42	14.87	8.25	17.0	29.0	2.4	337.4
388.0	387.41	15.20	8.03	17.2	27.8	2.7	320.2
398.0	397.40	15.57	7.64	17.3	26.1	3.0	307.1
408.0	407.38	15.91	7.24	17.5	24.5	2.8	314.5
418.0	417.35	16.56	6.91	17.9	22.6	4.8	338.4
428.0	427.32	17.33	6.49	18.5	20.5	5.1	328.9
438.0	437.28	18.05	6.02	19.0	18.5	5.1	328.7
448.0	447.24	18.76	5.47	19.5	16.3	5.2	321.0
458.0	457.19	19.45	4.78	20.0	13.8	6.1	317.3
468.0	467.13	20.16	3.95	20.5	11.1	6.6	301.7
471.4	470.31	20.36	3.66	20.7	10.2	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2326 Eagle
 FIELD OFFICE : G.O. DATE OF LOG : 07/26/91
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

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CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.3	0.30	0.00	0.00	0.0	0.0	0.0	0.0
10.3	10.30	-0.02	-0.05	0.1	242.7	1.1	235.6
20.3	20.29	-0.10	0.03	0.1	155.4	1.3	151.0
30.3	30.29	-0.31	0.11	0.3	159.8	1.5	157.6
40.3	40.29	-0.12	0.17	0.2	125.7	1.8	320.2
50.3	50.28	-0.03	-0.20	0.2	261.8	2.0	297.4
60.3	60.28	-0.02	-0.40	0.4	267.5	0.6	248.1
70.3	70.27	-0.06	-0.60	0.6	264.5	4.1	260.0
80.3	80.26	-0.32	-0.86	0.9	249.8	1.9	234.2
90.3	90.25	-0.66	-1.21	1.4	241.4	3.1	222.6
100.3	100.22	-1.05	-1.73	2.0	238.7	7.4	265.4
110.3	110.20	-1.53	-2.15	2.6	234.5	3.7	226.7
120.3	120.17	-2.02	-2.66	3.3	232.9	4.6	228.4
130.3	130.13	-2.60	-3.28	4.2	231.5	7.3	230.0
140.3	140.05	-3.28	-4.40	5.5	233.3	8.0	242.3
150.3	149.97	-4.07	-5.26	6.6	232.3	6.4	220.9
160.3	159.85	-5.03	-6.41	8.1	231.9	8.6	241.0
170.3	169.77	-6.07	-7.08	9.3	229.4	9.5	214.1
180.3	179.65	-7.24	-7.94	10.7	227.6	6.1	200.7
190.3	189.59	-8.26	-8.37	11.8	225.4	6.1	199.1
200.3	199.52	-9.36	-8.85	12.9	223.4	7.4	202.8
210.3	209.39	-10.70	-9.60	14.4	221.9	10.5	209.8
220.3	219.22	-12.28	-10.55	16.2	220.7	11.3	202.1
230.3	229.10	-13.60	-11.29	17.7	219.7	8.7	210.4
240.3	238.98	-14.93	-12.02	19.2	218.8	9.5	215.9
250.3	248.86	-16.29	-12.72	20.7	218.0	9.0	194.9
260.3	258.74	-17.67	-13.38	22.2	217.1	9.0	202.7
270.3	268.62	-19.10	-13.94	23.6	216.1	8.7	202.8
271.2	269.31	-19.18	-13.97	23.7	216.1	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2327 Devi
 FIELD OFFICE : G.O. DATE OF LOG : 07/13/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
1.0	1.00	0.00	0.00	0.0	0.0	0.0	0.0
11.0	11.00	-0.02	-0.09	0.1	257.8	2.0	295.1
21.0	20.99	-0.14	-0.48	0.5	254.2	2.6	247.5
31.0	30.98	-0.25	-0.93	1.0	255.0	2.7	263.9
41.0	40.97	-0.28	-1.27	1.3	257.6	0.7	353.3
51.0	50.97	-0.25	-1.22	1.2	258.5	1.1	145.7
61.0	60.96	-0.28	-1.35	1.4	258.3	1.8	208.9
71.0	70.96	-0.60	-1.51	1.6	248.4	1.8	202.2
81.0	80.95	-0.77	-1.67	1.8	245.4	1.9	239.8
91.0	90.95	-1.04	-1.90	2.2	241.2	2.3	224.2
101.0	100.93	-1.45	-2.21	2.6	236.7	4.2	210.4
111.0	110.90	-2.08	-2.56	3.3	230.8	3.7	190.7
121.0	120.87	-2.79	-2.89	4.0	226.1	5.9	207.3
131.0	130.82	-3.60	-3.05	4.7	220.2	5.0	195.6
141.0	140.78	-4.53	-3.07	5.5	214.1	7.4	157.4
151.0	150.71	-5.53	-3.00	6.3	208.5	6.6	191.2
161.0	160.64	-6.60	-2.95	7.2	204.1	7.5	191.9
171.0	170.55	-7.83	-2.96	8.4	200.7	8.0	183.9
181.0	180.44	-9.17	-3.19	9.7	199.2	8.4	189.3
191.0	190.30	-10.70	-3.55	11.3	198.3	10.6	201.8
201.0	200.11	-12.54	-4.03	13.2	197.8	11.4	189.2
211.0	209.91	-14.42	-4.58	15.1	197.6	11.2	210.7
221.0	219.70	-16.36	-5.19	17.2	197.6	12.0	197.7
231.0	229.45	-18.39	-5.86	19.3	197.7	13.0	195.6
241.0	239.17	-20.60	-6.50	21.6	197.5	14.1	198.1
251.0	248.85	-22.89	-7.28	24.0	197.6	14.6	198.8
261.0	258.53	-25.26	-8.09	26.5	197.8	14.7	199.6
271.0	268.17	-27.68	-9.13	29.1	198.3	15.8	203.8
281.0	277.76	-30.28	-10.21	32.0	198.6	16.6	202.1
291.0	287.33	-32.98	-11.30	34.9	198.9	17.2	203.8
301.0	296.84	-35.81	-12.43	37.9	199.1	18.3	173.8
311.0	306.34	-38.75	-13.45	41.0	199.1	18.0	202.3
321.0	315.84	-41.63	-14.60	44.1	199.3	18.1	205.8
331.0	325.34	-44.56	-15.74	47.3	199.5	18.3	201.4
341.0	334.82	-47.51	-16.88	50.4	199.6	18.7	202.3
351.0	344.29	-50.38	-18.22	53.6	199.9	19.0	196.1
361.0	353.79	-53.15	-19.66	56.7	200.3	17.9	208.3
371.0	363.28	-55.76	-21.37	59.7	201.0	18.3	210.3
381.0	372.78	-58.23	-23.24	62.7	201.8	18.4	218.6
391.0	382.29	-60.47	-25.34	65.6	202.7	18.9	233.7
401.0	391.73	-62.77	-27.63	68.6	203.8	20.5	223.1
411.0	401.08	-65.35	-29.97	71.9	204.6	21.3	234.8
421.0	410.36	-68.01	-32.45	75.4	205.5	22.3	223.2
431.0	419.59	-70.74	-34.96	78.9	206.3	23.4	231.4
441.0	428.74	-73.51	-37.74	82.6	207.2	24.1	225.8
449.8	436.60	-75.98	-40.17	85.9	207.9	0.0	0.0

might be ok

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

CLIENT : Fording Coal HOLE ID. : RH 2328
FIELD OFFICE : G.O. DATE OF LOG : 07/19/91
DATA FROM : PROBE : 9055A , 232
MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	-0.00	0.11	0.08	0.1	34.5	1.1	351.5
10.0	10.00	0.21	0.07	0.2	19.9	0.7	6.6
20.0	20.00	0.34	0.10	0.4	15.6	1.0	329.2
30.0	29.99	0.48	0.01	0.5	1.5	1.0	319.4
40.0	39.99	0.58	-0.08	0.6	352.0	1.0	318.4
50.0	49.99	0.62	-0.22	0.7	340.6	0.7	273.9
60.0	59.99	0.65	-0.44	0.8	326.2	1.6	274.8
70.0	69.98	0.62	-0.84	1.0	306.3	3.3	256.0
80.0	79.96	0.42	-1.44	1.5	286.3	3.6	254.7
90.0	89.94	0.20	-1.94	2.0	275.8	2.8	259.0
100.0	99.93	0.02	-2.36	2.4	270.4	2.4	234.2
110.0	109.93	-0.15	-2.63	2.6	266.8	1.5	231.1
120.0	119.93	-0.32	-2.72	2.7	263.3	0.8	236.6
130.0	129.92	-0.49	-2.80	2.8	260.2	2.0	209.5
140.0	139.92	-0.84	-2.80	2.9	253.3	2.4	163.6
150.0	149.91	-1.11	-2.80	3.0	248.3	2.0	182.0
160.0	159.90	-1.52	-2.56	3.0	239.3	3.3	137.9
170.0	169.88	-1.95	-2.11	2.9	227.3	4.4	144.2
180.0	179.86	-2.32	-1.66	2.9	215.7	2.3	149.8
190.0	189.82	-2.88	-1.04	3.1	199.8	5.8	127.4
200.0	199.76	-3.42	-0.08	3.4	181.3	4.8	107.6
210.0	209.73	-3.70	0.61	3.7	170.7	6.2	134.9
220.0	219.65	-4.18	1.73	4.5	157.5	7.2	109.4
230.0	229.57	-4.63	2.93	5.5	147.6	7.7	107.5
240.0	239.48	-4.99	4.27	6.6	139.5	7.6	107.6
250.0	249.37	-5.26	5.69	7.7	132.7	8.2	97.7
260.0	259.26	-5.51	7.12	9.0	127.7	8.2	102.4
270.0	269.14	-5.79	8.68	10.4	123.7	9.0	102.4
280.0	278.99	-5.96	10.36	12.0	119.9	10.2	98.0
290.0	288.81	-6.13	12.26	13.7	116.6	11.4	97.5
300.0	298.59	-6.39	14.31	15.7	114.1	12.8	98.6
310.0	308.29	-6.80	16.70	18.0	112.1	15.5	99.8
320.0	317.87	-7.48	19.47	20.9	111.0	17.4	103.7
330.0	327.39	-8.22	22.45	23.9	110.1	18.4	103.6
340.0	336.82	-8.99	25.69	27.2	109.3	20.1	103.5
350.0	346.21	-9.74	29.03	30.6	108.6	19.9	103.0
360.0	355.59	-10.56	32.41	34.1	108.0	20.8	105.0
370.0	364.87	-11.57	35.99	37.8	107.8	22.7	107.5
380.0	374.04	-12.79	39.78	41.8	107.8	23.6	110.4
390.0	383.08	-14.22	43.81	46.1	108.0	26.3	111.1
400.0	391.94	-15.92	48.11	50.7	108.3	29.0	115.0
410.0	400.61	-17.98	52.64	55.6	108.9	30.5	116.0
420.0	409.17	-20.37	57.22	60.7	109.6	31.8	117.4
430.0	417.57	-23.02	61.94	66.1	110.4	34.2	119.9
440.0	425.80	-25.96	66.78	71.6	111.2	35.6	123.0
450.0	433.91	-29.05	71.74	77.4	112.0	36.0	129.8
460.0	442.06	-32.21	76.59	83.1	112.8	34.9	121.4
470.0	450.22	-35.43	81.38	88.8	113.5	35.5	120.6
480.0	458.34	-38.72	86.18	94.5	114.2	35.4	125.6
490.0	466.47	-42.25	90.80	100.2	115.0	35.3	130.1
495.2	470.60	-43.99	92.99	102.9	115.3	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2290 Henne
 FIELD OFFICE : G.O. DATE OF LOG : 07/26/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

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
9.7	9.69	-0.11	0.08	0.1	144.8	2.8	135.1
19.7	19.68	-0.41	0.39	0.6	136.5	2.8	128.0
29.7	29.68	-0.58	0.66	0.9	131.1	2.1	120.2
39.7	39.68	-0.70	0.81	1.1	130.9	1.2	151.3
49.7	49.67	-0.84	1.21	1.5	124.8	2.9	104.6
59.7	59.65	-0.95	1.75	2.0	118.4	2.6	100.5
69.7	69.64	-1.04	2.22	2.5	115.0	2.7	104.4
79.7	79.62	-1.12	2.83	3.0	111.6	3.1	98.0
89.7	89.60	-1.22	3.41	3.6	109.7	3.8	82.6
99.7	99.58	-1.30	4.02	4.2	108.0	3.2	120.1
109.7	109.55	-1.36	4.74	4.9	105.9	5.0	84.2
119.7	119.51	-1.34	5.63	5.8	103.4	5.2	89.0
129.7	129.47	-1.31	6.55	6.7	101.3	5.4	87.9
139.7	139.42	-1.25	7.52	7.6	99.4	5.8	81.4
149.7	149.36	-1.21	8.62	8.7	98.0	6.8	93.8
153.0	152.44	-1.20	9.00	9.1	97.6	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2294 Devia
 FIELD OFFICE : G.O. DATE OF LOG : 07/22/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-0.9	-0.90	0.00	0.00	0.0	0.0	0.0	0.0
9.1	9.10	-0.05	0.02	0.1	153.8	2.5	269.4
19.1	19.09	-0.19	0.10	0.2	151.9	2.8	91.6
29.1	29.08	-0.34	-0.19	0.4	208.6	2.3	248.7
39.1	39.07	-0.56	-0.43	0.7	217.7	1.7	213.5
49.1	49.07	-0.70	-0.70	1.0	225.3	2.1	222.7
59.1	59.06	-0.93	-0.85	1.3	222.2	1.6	190.5
69.1	69.05	-1.12	-0.53	1.2	205.4	2.3	91.6
79.1	79.04	-1.12	-0.01	1.1	180.7	3.7	82.0
89.1	89.03	-1.18	0.32	1.2	164.9	3.0	103.3
99.1	99.01	-1.31	0.92	1.6	145.1	4.1	103.9
105.8	105.49	-1.34	1.34	1.9	134.9	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2295 Devia
 FIELD OFFICE : G.O. DATE OF LOG : 07/21/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 7

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.1	0.10	0.00	0.00	0.0	0.0	0.0	0.0
10.1	10.10	0.06	-0.05	0.1	320.6	1.6	240.6
20.1	20.09	0.10	-0.11	0.2	312.4	2.1	208.8
30.1	30.09	-0.20	-0.25	0.3	231.2	2.6	165.7
40.1	40.08	-0.54	-0.37	0.7	214.9	1.1	247.9
50.1	50.08	-0.56	-0.49	0.7	221.2	1.1	267.5
60.1	60.08	-0.56	-0.61	0.8	227.4	0.5	20.7
70.1	70.07	-0.92	-0.43	1.0	205.2	1.4	79.8
80.1	80.06	-0.85	-0.26	0.9	196.8	2.2	82.7
90.1	90.06	-0.79	-0.10	0.8	187.3	1.2	56.7
100.1	100.05	-1.18	0.11	1.2	174.5	3.4	140.2
109.0	108.73	-1.56	0.45	1.6	163.9	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2296 Hen D
 FIELD OFFICE : G.O. DATE OF LOG : 07/19/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

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	-0.02	0.09	0.1	99.6	1.3	85.2
20.0	19.99	0.25	0.11	0.3	24.0	2.9	343.7
30.0	29.98	0.71	-0.01	0.7	358.9	2.6	344.8
40.0	39.97	1.10	-0.03	1.1	358.4	2.0	38.8
50.0	49.97	1.15	0.14	1.2	7.1	1.2	138.9
60.0	59.97	1.06	0.29	1.1	15.3	2.2	40.6
70.0	69.96	1.30	0.31	1.3	13.3	1.5	239.5
80.0	79.96	1.17	0.21	1.2	10.4	0.9	229.1
90.0	89.95	1.27	0.47	1.4	20.4	2.6	48.9
100.0	99.95	1.40	0.50	1.5	19.5	1.5	277.4
102.5	102.25	1.38	0.48	1.5	19.3	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2297 Hen G
 FIELD OFFICE : G.O. DATE OF LOG : 07/18/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 4

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
1.3	0.00	0.00	0.00	0.0	0.0	0.0	0.0
11.3	11.30	0.03	0.04	0.1	48.8	1.4	176.6
21.3	21.29	0.14	0.28	0.3	63.5	2.0	36.1
31.3	31.29	0.44	0.48	0.7	47.4	2.3	33.7
41.3	41.28	0.75	0.73	1.0	44.0	2.4	38.7
51.3	51.27	1.06	1.01	1.5	43.5	2.5	50.5
61.3	61.26	1.38	1.35	1.9	44.2	3.5	18.6
71.3	71.26	1.50	1.31	2.0	41.1	0.3	7.8
81.3	81.26	1.58	1.32	2.1	39.8	2.6	55.2
91.3	91.24	1.94	1.71	2.6	41.4	3.2	51.5
101.3	101.22	2.37	2.11	3.2	41.7	3.8	38.1
102.6	102.32	2.42	2.15	3.2	41.6	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : R.H. 2302
 FIELD OFFICE : G.O. DATE OF LOG : 07/06/91
 DATA FROM : PROBE : 9055A ; 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG. 7

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANBB
0.0	-0.00	0.00	0.00	0.0	15.9	0.2	242.1
5.0	5.00	0.02	-0.00	0.0	359.8	0.6	149.0
10.0	10.00	-0.01	-0.04	0.0	260.4	0.4	326.2
15.0	15.00	0.02	-0.13	0.1	279.6	1.4	274.1
20.0	20.00	0.02	-0.22	0.2	275.1	1.0	247.1
25.0	25.00	-0.02	-0.28	0.3	265.7	0.7	209.1
30.0	30.00	-0.04	-0.30	0.3	259.4	0.4	170.8
35.0	35.00	-0.08	-0.25	0.3	252.2	0.9	108.6
40.0	40.00	-0.10	-0.18	0.2	241.2	1.2	82.8
45.0	44.99	-0.10	-0.09	0.1	221.4	1.1	101.5
50.0	49.99	-0.10	0.02	0.1	170.8	1.3	96.8
55.0	54.99	-0.10	0.14	0.2	125.9	1.1	110.2
60.0	59.99	-0.08	0.20	0.2	110.6	1.3	27.7
61.2	60.99	-0.06	0.21	0.2	106.5	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : R.H. 2304
 FIELD OFFICE : G.O. DATE OF LOG : 07/07/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 4

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
-2.1	-2.10	0.00	0.00	0.0	0.0	0.0	0.0
7.9	7.90	-0.05	0.15	0.2	109.8	1.3	116.3
17.9	17.87	-0.24	0.23	0.4	130.3	1.6	157.1
27.9	27.89	-0.39	0.53	0.7	125.9	2.0	127.9
37.9	37.88	-0.53	0.88	1.0	121.2	2.7	112.6
47.9	47.87	-0.67	1.25	1.4	118.3	2.5	104.1
57.9	57.86	-0.86	1.71	1.9	116.6	3.2	115.1
61.5	61.26	-0.95	1.97	2.1	116.9	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : ~~FEV 2307~~ Devia
 FIELD OFFICE : G.O. DATE OF LOG : 08/12/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

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	-0.09	0.02	0.1	165.2	0.8	259.2
20.0	20.00	-0.23	-0.01	0.2	181.7	1.3	197.4
30.0	29.99	-0.40	0.14	0.4	160.8	1.8	92.3
40.0	39.99	-0.35	0.37	0.5	133.2	0.2	266.4
50.0	49.99	-0.51	0.44	0.7	138.8	0.9	161.8
60.0	59.98	-0.62	0.73	1.0	130.4	2.8	95.3
70.0	69.98	-0.72	1.00	1.2	125.6	1.8	122.8
80.0	79.96	-0.80	1.44	1.6	118.9	1.7	99.2
90.0	89.96	-0.86	1.78	2.0	115.9	2.3	107.3
100.0	99.94	-0.84	2.38	2.5	109.5	2.8	83.9
110.0	109.92	-0.83	2.94	3.1	105.7	4.6	84.9
120.0	119.90	-0.80	3.55	3.6	102.7	3.8	92.0
130.0	129.87	-0.74	4.30	4.4	99.8	5.8	80.9
140.0	139.82	-0.64	5.27	5.3	97.0	6.3	81.3
150.0	149.76	-0.52	6.35	6.4	94.7	5.9	98.2
158.4	157.91	-0.39	7.27	7.3	93.1	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2310 Dev.
 FIELD OFFICE : G.O. DATE OF LOG : 08703/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 0.000 DEPTH UNITS : METERS LOG 2

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.1	0.10	0.00	0.00	0.0	0.0	0.0	0.0
10.1	10.10	0.00	0.03	0.0	82.1	0.7	112.3
20.1	20.10	-0.01	0.13	0.1	92.7	0.5	124.7
30.1	30.10	-0.03	0.25	0.2	97.5	0.9	132.5
40.1	40.10	-0.08	0.40	0.4	101.6	1.2	96.3
50.1	50.09	-0.12	0.76	0.8	98.8	2.5	104.4
60.1	60.08	-0.21	1.05	1.1	101.2	1.5	153.7
70.1	70.07	-0.45	1.52	1.6	106.5	4.0	102.2
80.1	80.05	-0.68	2.01	2.1	108.8	5.5	90.3
90.1	90.03	-1.01	2.51	2.7	111.9	3.7	131.1
100.1	100.01	-1.37	3.08	3.4	113.9	4.1	123.7
110.1	109.98	-1.79	3.72	4.1	115.7	4.8	125.4
120.1	119.93	-2.30	4.48	5.0	117.1	5.6	125.4
130.1	129.88	-2.85	5.35	6.1	118.0	6.1	125.7
140.1	139.82	-3.50	6.26	7.2	119.2	6.7	128.4
150.1	149.74	-4.25	7.22	8.4	120.5	7.4	129.6
160.1	159.67	-5.02	8.17	9.6	121.6	7.0	133.9
170.1	169.59	-5.86	9.05	10.8	122.9	7.0	133.1
180.1	179.52	-6.70	9.92	12.0	124.0	7.0	135.4
189.8	188.94	-7.54	10.73	13.1	125.1	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH ~~2314~~
 FIELD OFFICE : G.O. DATE OF LOG : 08/18/91
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANBB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
5.0	4.99	0.19	-0.10	0.2	333.5	1.3	323.3
10.0	9.99	0.30	-0.14	0.3	334.1	1.1	352.1
15.0	14.99	0.41	-0.14	0.4	340.7	1.4	5.9
20.0	19.99	0.53	-0.12	0.5	346.8	1.2	24.9
25.0	24.99	0.60	-0.05	0.6	355.0	1.0	92.4
30.0	29.99	0.64	0.06	0.6	5.4	1.4	83.8
35.0	34.98	0.68	0.22	0.7	18.4	2.1	73.3
40.0	39.98	0.72	0.42	0.8	30.1	2.1	72.1
45.0	44.97	0.80	0.62	1.0	38.0	3.0	52.3
50.0	49.97	0.88	0.83	1.2	43.2	2.3	84.7
55.0	54.96	0.93	1.04	1.4	48.1	2.7	78.7
60.0	<u>59.96</u>	0.98	1.27	1.6	52.4	2.9	80.8
65.0	64.95	1.03	1.53	1.8	56.2	3.1	79.1
70.0	69.94	1.08	1.81	2.1	59.2	2.9	84.6
75.0	74.94	1.12	2.09	2.4	61.7	3.6	81.2
80.0	79.93	1.20	2.40	2.7	63.3	4.0	73.8
85.0	84.91	1.33	2.73	3.0	64.0	3.9	84.1
90.0	89.90	1.45	3.07	3.4	64.8	4.0	77.7
95.0	94.88	1.57	3.43	3.8	65.4	4.6	65.8
100.0	99.87	1.70	3.78	4.1	65.8	4.8	67.9
104.4	104.06	1.79	4.09	4.5	66.3	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2318 Henre
 FIELD OFFICE : G.O. DATE OF LOG : 08/05/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 2

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	21.0
10.0	10.00	0.07	0.03	0.1	19.4	0.8	47.3
20.0	20.00	0.13	0.05	0.1	19.6	0.7	275.8
30.0	30.00	0.17	0.02	0.2	5.3	0.9	51.8
40.0	39.99	0.52	0.22	0.6	23.3	2.3	21.3
50.0	49.98	0.58	0.42	0.7	35.8	1.8	98.9
60.0	39.97	0.72	0.90	1.1	51.3	1.9	77.8
70.0	69.96	0.79	1.32	1.5	59.1	1.6	98.3
80.0	79.94	0.73	1.87	2.0	68.6	1.3	72.4
90.0	89.93	0.63	2.35	2.4	75.1	4.4	94.6
99.6	99.30	0.46	3.08	3.1	81.5	0.0	21.0

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

CLIENT : Fording Coal HOLE ID. : R.H.2320
 FIELD OFFICE : G.O. DATE OF LOG : 08/10/91
 DATA FROM : PROBE : 9055A , 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 3

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
5.0	5.00	0.00	-0.00	0.0	282.0	0.6	114.6
10.0	10.00	-0.02	-0.01	0.0	208.9	0.8	126.9
15.0	15.00	0.00	-0.02	0.0	271.6	0.5	13.6
20.0	20.00	0.00	-0.03	0.0	277.2	0.3	351.8
25.0	25.00	-0.00	-0.05	0.1	266.6	0.5	317.8
30.0	30.00	-0.01	-0.01	0.0	228.9	0.5	103.1
35.0	35.00	-0.01	-0.04	0.0	253.4	0.5	311.8
40.0	40.00	-0.03	-0.10	0.1	255.7	0.7	250.8
45.0	45.00	-0.04	-0.18	0.2	256.4	0.9	261.5
50.0	50.00	-0.08	-0.26	0.3	254.1	0.9	247.8
55.0	54.99	-0.12	-0.34	0.4	250.4	1.2	208.2
60.0	59.99	-0.21	-0.37	0.4	239.9	1.0	203.3
65.0	64.99	-0.34	-0.36	0.5	226.9	2.2	173.1
70.0	69.99	-0.54	-0.30	0.6	208.7	1.0	192.5
70.3	70.09	-0.54	-0.30	0.6	208.7	0.0	0.0

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

CLIENT : Fording Coal HOLE ID. : RH 2321
 FIELD OFFICE : S.O. DATE OF LOG : 08/17/91
 DATA FROM : PROBE : 9055A 232
 MAG. DECL. : 21.000 DEPTH UNITS : METERS LOG 1

<u>CABLE DEPTH</u>	<u>TRUE DEPTH</u>	NORTH DEV.	EAST DEV.	DISTANCE	<u>AZIMUTH</u>	SANG	SANGB
0.0	-0.00	-0.02	0.00	0.0	164.7	0.8	150.7
5.0	4.77	0.24	0.24	0.3	45.0	5.3	15.6
10.0	9.06	1.15	0.15	1.2	7.4	11.3	104.1
15.0	12.54	2.60	0.67	2.7	14.4	70.5	146.1
20.0	16.60	2.42	1.19	2.7	26.3	2.8	283.1
25.0	21.05	2.66	1.39	3.0	27.6	9.5	301.1
30.0	24.32	3.01	1.31	3.3	23.5	2.6	343.3
35.0	28.13	3.66	1.61	4.0	23.8	70.5	60.9
40.0	33.04	3.74	1.71	4.1	24.6	0.7	196.0
45.0	37.60	4.40	2.05	4.8	25.0	2.5	61.3
50.0	41.70	5.04	2.32	5.5	24.7	19.0	22.9
55.0	45.08	4.28	2.83	5.1	33.5	48.5	201.0
60.0	48.77	4.78	3.18	5.7	33.7	3.8	9.4
65.0	52.47	4.47	3.68	5.8	39.4	30.4	16.1
70.0	56.80	4.29	4.01	5.9	43.1	48.5	201.0
75.0	60.94	3.77	3.61	5.2	43.8	70.7	329.7
80.0	65.05	4.76	3.85	6.1	39.0	1.6	347.3
85.0	69.92	5.07	4.02	6.5	38.4	1.1	11.4
90.0	74.61	5.66	4.33	7.1	37.4	1.3	30.9
95.0	79.32	6.26	4.45	7.7	35.4	1.7	34.2
100.0	84.24	6.63	4.62	8.1	34.8	1.9	35.8
105.0	89.04	6.92	4.84	8.4	35.0	2.0	29.3
110.0	93.90	7.29	5.01	8.8	34.5	2.2	43.9
115.0	98.67	7.66	5.32	9.3	34.8	2.3	250.1
120.0	103.56	7.94	5.50	9.7	34.7	2.1	49.7
125.0	108.30	8.40	5.75	10.2	34.4	1.2	131.6
130.0	113.19	8.74	5.98	10.6	34.4	3.4	40.1
135.0	117.59	9.56	6.43	11.5	33.9	35.3	34.4
140.0	121.71	10.57	6.75	12.5	32.6	70.7	35.2
145.0	125.46	11.17	7.18	13.3	32.7	76.1	73.1
150.0	128.38	10.99	7.31	13.2	33.6	83.2	289.8
153.1	130.43	10.77	7.72	13.3	35.6	0.0	0.0