

K-FORDING RIVER 73(1)A

— SUMMARY REPORT —

1973 EXPLORATION & DEV'T

COMINCO LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

00315



Fording
Operations

Mr. S.S. Holland
Chief Geologist, Mines Branch
Dept. of Mines & Petroleum Resources
Victoria, B.C.

28 March 1974

Dear Sir:

Re: 1973 Exploration & Development Program

The attached narrative and supporting data summarizes the exploration and development program carried out in 1973 on Fording, Can Pac and Cominco holdings in the Fording river valley. This is in compliance with section 8 of the Coal Mines Regulation Act.

All work was under the direction of A.C. Taplin, Senior Mines Geologist, Fording Operations.

Yours truly,

A handwritten signature in black ink, appearing to read "O.I. Johnson".

O.I. Johnson
Manager
Fording Operations

OIJ:lmd

3/13/74
13/14

DEPT. OF MINES AND PETROLEUM RESOURCES	
Rec'd APR - 9 1974	

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COMINCO LTD.FORDING OPERATIONSSUMMARY REPORT OF 1973 EXPLORATION & DEVELOPMENTINTRODUCTION

In 1973 Fording Operations engaged in an extensive Coal Reserve Development Program to provide essential data required for long term mining plans and to verify long term coal requirements. The program was planned for 5 main areas adjacent to present pits, with minor work proposed for 2 more remote areas if time and funds were available. Summary descriptions of the work done and general results are included for each of the separate areas, along with drill logs, plans and representative sections, and a general geological map. A listing of the overall main expenditures is also attached; a prorated expenditure summary is included under the separate areas.

PROGRAM AREASI. EAGLE MT. WEST FACE

In this area the program consisted of 3 deep HQ core holes (DDH. 321,322,323) to confirm downdip projections of easterly dipping seams which outcrop along the mountain side, along with 8 center-return rotary holes for improved seam definition and coal quality (Holes 324. - 331 incl.). Washability tests were done on samples from the 3 core holes and both sectional ash analyses and composite, total seam proximate analyses were done on the rotary hole samples. The rotary drilling lasted from June 2 to June 22. and the core drilling from May 25 to June 22. A D-8 bulldozer was used throughout the drilling program on Eagle Mt., to make access roads and drillsites, to maintain access and to trench seams whenever possible. Extensive top of seam trenches and x-cut trenches to establish seam thickness were done mainly in the Fall. At this time previous trenches were cleaned, re-mapped and re-surveyed together with the new trenches.

A summary of work done on the West Face of Eagle during the 1973 Reserve Development Program is as follows:-

Core Drilling 3 holes, total 2463 ft.

Rotary Drilling 8 holes, total 2491 ft.

Radiation Logs - all holes; gamma ray-neutron plus several density logs.

Trenching & Mapping

Seam 15	6500 ft.
Road, #13 to #15	2900
Seam 13	7300
Seam 12	7300

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2.

Trenching & Mapping (con't)

Seam 11	4600 ft.
Seam 9	8600
Seam 7	8200
Seam 5	7300
Seam 4	6500
Seams 1,2	<u>3000</u> <u>62,200 ft.</u>

Prorated Expenditures are as follows:-

Core Drilling	\$32,000
Rotary Drilling	18,000
Bulldozers	22,000
Radiation Logs	4,300
Geological superv.,, Surveying (incl. vehicles)	11,000
Assays	9,208
Misc. (Overtime meals, camp subsidies, etc.)	<u>3,000</u>
	\$99,508

Seam outcrop maps 73 show locations of the drill holes and trenches. Sections 493,250N & 492,500N included in the Appendix show typical results. The 3 deep core holes confirmed the anticipated down-dip continuity of seams 13 to 4, and the rotary holes together with the improved outcrop and thickness data from the trenches, provided essential data for planning studies of Block 2 Pit as proposed along the west face south of Clode Pit highwall. Coal quality was indicated to be better than expected. Trenching of seams 1,2 over a 3,000 strike length showed these seams to be quite variable in thickness over short distances along strike. No. 1 seam varies from 2.5 ft. to 7.3 ft. thick and averages about 4 ft. thick, No. 2 seam is more lenticular and varies from 1.2 ft. to 4 ft. thick and is often less than 3 ft. thick. A proposal for auger mining of these seams does not appear to be economic.

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II. GREENHILLS PIT & SOUTH EXTENSION AREA

Work done in this area consisted of 21 rotary holes for a total of 7,355 feet and approximately 10,000 ft. of bulldozer trenching. Most of the drilling was in the South Extension Area, i.e. south of 484,000N and includes RH.706-708, 712-715, 724,728, 731, 736, and 740-748 inclusive. Section 483,000N shows typical steeply dipping "B" seam as tested in the southern extension of the November 1973 dragline pit outline. This represents a modest extension to Proven Reserves. Section 481,500N shows the more complicated, generally steeply dipping structure of seams "D" to "F" further to the south and west. Planning studies have not yet been

GREENHILLS (con't)

done on this area to determine economic limits. Some of the faulting is revealed in "F" seam trenches and in cross trenches in this vicinity. December 31, 1972 Coal Reserve Plan 9 shows the total area involved. Expenditures for the work in this South Extension area are as follows:-

Rotary Drilling	\$54,000
Bulldozers	18,000
Radiation Logs	4,800
Geol Supervision, Surveys	5,500
Assays	7,000
Miscellaneous	<u>1,500</u>
	<u>\$90,800</u>

The field work was done between June 23 and September 11, with the single rotary drill returning several times to complete a few holes here while other sites were being decided in the Turnbull Area.

III. GREENHILLS SOUTH UPPER SEAM AREA

Work done in this area consisted of the following:-

Core Drilling	3 holes	2018 ft.
Rotary Drilling	8 holes	3010 ft.
Trenching	10,000 ft.	

Diamond drill holes 701, 702 tested the section "I" to "F" and "H" to "F" respectively; DDH 700 penetrated from "F" to "B" inclusive below the potential upper seam pit. Rotary holes drilled in this area include RH.709-711, 726, 732, 733, 725, 739. Section 481,500N and 485,000 serve to illustrate the seams and structure in this general area. The structure and correlations involving I and H seams are not yet resolved in this area and additional drilling is proposed for 1974.

Expenditures are as follows:-

Core Drilling	\$26,340
Rotary Drilling	22,000
Bulldozer Trenching	12,000
Radiation Logs	3,300
Geol. Superv., Surveys	4,000
Assays	13,000
Miscellaneous	<u>2,000</u>
	<u>\$82,640</u>

Plan 9 also shows this general area and the hole locations.

IV. GREENHILLS NORTH UPPER SEAM AREA

1973 work in this area consisted mainly of 3 deep core holes (DDH. 703, 704, 705) drilled to test the westerly projections of seams B,D,E from the planned dragline cuts. These seams were intersected approximately as expected, with the exception of "B" seam in DDH. 705 which is very thin. December 31, 1972 Coal Reserve Plan 5 shows the hole locations and section 489,000N shows DDH. 704. Four rotary holes were drilled beyond the southern edge of the area, for a total of 1761 ft.

Expenditures in the North Upper Seam Area were the following:-

Core Drilling	\$36,000
Rotary Drilling	13,000
Radiation Logs	2,800
Bulldozer (Drillsites)	2,000
Geol. Superv., Surveys	2,000
Assays	<u>6,500</u>
	<u>\$62,300</u>

V. TURNBULL MT. AREA

In this area the original proposal was for 5 rotary holes, total 1,800 ft. Because of favourable results in the initial holes and yet an increasing awareness of complicated structure as more holes were drilled, the work in this area was expanded to include 33 rotary holes for a total of 11,934 ft., and 1 core hole to 891 ft. depth. Several potential pit areas are being studied. Sections 497,750N, 498,750N, and 499,750N illustrate the complicated structure. Minor trenching was done in deep overburden to expose the outcrop of seam 4 above the thrust fault.

The 1973 drill holes are RH.220-227, 221B, DDH.228, and RH.229-232, 235-253, and 239B. The Turnbull drilling program lasted from August until November 18, with several interruptions when drilling was resumed for short periods in the general Greenhills Area.

Turnbull expenditures were as follows:-

Rotary Drilling	\$87,000
Core Drilling	11,400
Bulldozers (mnly sites, roads)	5,000
Geol. Superv., Surveys	6,500
Radiation Logs	8,000
Assays	<u>14,000</u>
	<u>\$131,900</u>

VI. HENRETTA MT. AREA

The work done on Henretta Mt. consisted of 2 rotary holes, total 862 ft., together with minor trenching, also geological mapping and surveying. The work was mainly reconnaissance type and will be continued in 1974.

Expenditures are as follows:-

Rotary Drilling	\$ 6,879
Bulldozer Trenching	3,000
Geology, Surveying	1,000
Radiation Logs	470
Assays	<u>200</u> \$11,549

Only the 1000 scale General Geology map shows the work area locations on Henretta Mt. Upper type seams were intersected in R.H. 729, 730 for which logs are included in the Appendix. These seams have not yet been correlated with those on Turnbull or Eagle Mt.

VII. BROWNIE CREEK AREA

Minor mapping and surveying were done in this area on the S.E. corner of Eagle Mt. A short core hole, 357 ft. depth, was drilled at minus 60 degrees across the structure.

Expenditures in the Brownie Creek Area were as follows:-

Core Drilling	\$4,600
Bulldozer, roads	1,660
Geology	500
Assays	200
Radiation Log	<u>185</u> \$7,145

Two seams intersected in DDH.332 have been tentatively identified as Nos. 7, 5. The volatile content of the seam composite samples verify these identifications based on a gamma ray-neutron log.

Sheared and folded strata were mapped in the area on South Eagle Mt. just west of this drill hole. Additional drilling and trenching plus geological mapping are proposed for this general area in 1974.

Submitted by

A.C. Taplin

A.C. Taplin P.Eng.
Sr. Mine Geologist
Fording Operations

ACT/lmd

cc: Chief Gold Commissioner
 CanPac Minerals
 OIJ
 JBD

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APPENDIX

1. Drill Logs, Coal assay data
2. Cost Listings
3. General Geology Map, 1 inch = 1000 ft.
 - 1973 Drill holes, Trenches are marked
 - Coal Licenses and respective lot numbers
4. Plates 9 , 5 Greenhills Coal Reserve Plans Dec.31, 1972
1 inch - 200 ft.
5. Plates 7,3 Seam Outcrop Map, West Face Eagle Mt.
1 inch - 200 ft.

6. Geological Sections

West Face of Eagle Mt.

- 493,250 ; 492,500 ✓

Greenhills S. Extension

- 481,500
- 483,000 ✓
- 484,000 ✓

Greenhills South Upper Seams

- 481,500 as prev.
- 485,000

North Greenhills Upper Seams

- 489,000 ✓

Turnbull Mt.

- 497,750
- 498,750
- 499,750 ✓

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FC214

MONTH OF DEC, 1973

FORDING COAL OPERATIONS

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ROTARY DRILLING

CAPITAL JOB REPORT

END CHARGE 14006

100.00

OPENED

CLOSED

DESCRIPTION	A/P ITEM	PURCHASE ORDER	REF NO OR CLS	CHG TYP	CAP. NO.	CURRENT HOURS	CURRENT AMOUNT	YTD HOURS	YTD AMOUNT	JTC AMOUNT
OH CAP EXP PG01			JE12018	09	C1522110		56.45			
			SUB-TOTAL	09	C1522110		56.45		98,387.60	98,387.60
* CHG FROM W037101			W037101	15	C1522110		40,500.00			
* CHG FROM W037103			W037103	15	C1522110		1,118.68			
* CHG FROM W037104			W037104	15	C1522110		8.63			
			SUB-TOTAL	15	C1522110		41,627.51		102,491.59	102,491.59
			TOTAL		C1522110		41,683.96		200,879.19	200,879.19

DIAMOND DRILLING

END CHARGE 14006

100.00

OPENED

CLOSED

DESCRIPTION	A/P ITEM	PURCHASE ORDER	REF NO OR CLS	CHG TYP	CAP. NO.	CURRENT HOURS	CURRENT AMOUNT	YTD HOURS	YTD AMOUNT	JTC AMOUNT
OH CAP EXP PG01			JE12018	09	C1522120		3.90			
			SUB-TOTAL	09	C1522120		3.90		53,728.81	53,728.81
* CHG FROM W037002			W037002	15	C1522120		-1,244.25			
			SUB-TOTAL	15	C1522120		-1,244.25		56,610.92	56,610.92
			TOTAL		C1522120		-1,240.35		110,339.73	110,339.73

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FORDING COAL OPERATIONS

MONTH OF DEC, 1973

CAPITAL JOB REPORT

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RADIATION LOGS

END CHARGE 14006 100.00

OPENED

CLOSED

DESCRIPTION	A/P ITEM	PURCHASE ORDER	REF NO OR CLS	CHG TYP	CAP. NO.	CURRENT HOURS	CURRENT AMOUNT	YTD HOURS	YTD AMOUNT	JTO AMOUNT
OH CAP EXP PG01			JE12018	09	C1522130		-39.46			
			SUB-TOTAL	09	C1522130		-39.46		10,008.59	10,008.59
* CHG FROM W037108			W037108	15	C1522130		1,180.62			
			SUB-TOTAL	15	C1522130		1,180.62		13,875.95	13,875.95
			TOTAL		C1522130		1,141.16		23,834.54	23,834.54

SURVEY GEO SUPERVIS

END CHARGE 14006 100.00

OPENED

CLOSED

DESCRIPTION	A/P ITEM	PURCHASE ORDER	REF NO OR CLS	CHG TYP	CAP. NO.	CURRENT HOURS	CURRENT AMOUNT	YTD HOURS	YTD AMOUNT	JTO AMOUNT
OH CAP EXP PG01			JF12018	09	C1522300		28.31			
			SUB-TOTAL	09	C1522300		28.31		10,769.72	10,769.72
* CHG FROM W037303			W037303	15	C1522300		1,244.25			
* CHG FROM W037303			W037303	15	C1522300		-619.51			
* CHG FROM W037303			W037303	15	C1522300		-198.03			
* CHG FROM W037302			W037302	15	C1522300		26.90			
* CHG FROM W037301			W037301	15	C1522300		1,070.37			
			SUB-TOTAL	15	C1522300		1,523.98		18,097.65	18,097.65
			TOTAL		C1522300		1,552.29		28,867.37	28,867.37

FC214

FORDING COAL OPERATIONS

MONTH OF DEC, 1973

CAPITAL JOB REPORT

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BOARD COSTS

END CHARGE 14006

100.00%

OPENED

CLOSED

DESCRIPTION	A/P ITEM	PURCHASE ORDER	RFF NO OR CLS	CHG TYP	CAP. NO.	CURRENT HOURS	CURRENT AMOUNT	YTD HOURS	YTD AMOUNT	JTD AMOUNT
OH CAP EXP PG01			JE12018	09	C1522500	2.09				
			SUB-TOTAL	09	C1522500	2.09			8,102.85	8,102.85
			TOTAL		C1522500	2.09			8,102.85	8,102.85

ASSAYING WASH TESTS

END CHARGE 14006

100.00%

OPENED

CLOSED

DESCRIPTION	A/P ITEM	PURCHASE ORDER	RFF NO OR CLS	CHG TYP	CAP. NO.	CURRENT HOURS	CURRENT AMOUNT	YTD HOURS	YTD AMOUNT	JTD AMOUNT
OH CAP EXP PG01			JE12018	09	C1522600	14.86				
			SUB-TOTAL	09	C1522600	14.86			27,201.55	27,201.55
* CHG FROM W037503			W037503	15	C1522600	3,269.90				
* CHG FROM W037501			W037501	15	C1522600	30.85				
* CHG FROM W037504			W037504	15	C1522600	88.48				
			SUB-TOTAL	15	C1522600	3,389.23			22,906.43	22,906.43
			TOTAL		C1522600	3,404.09			50,107.98	50,107.98

TOTAL C 152 To Dec. 31, 1973

\$ 485,842

ROKE

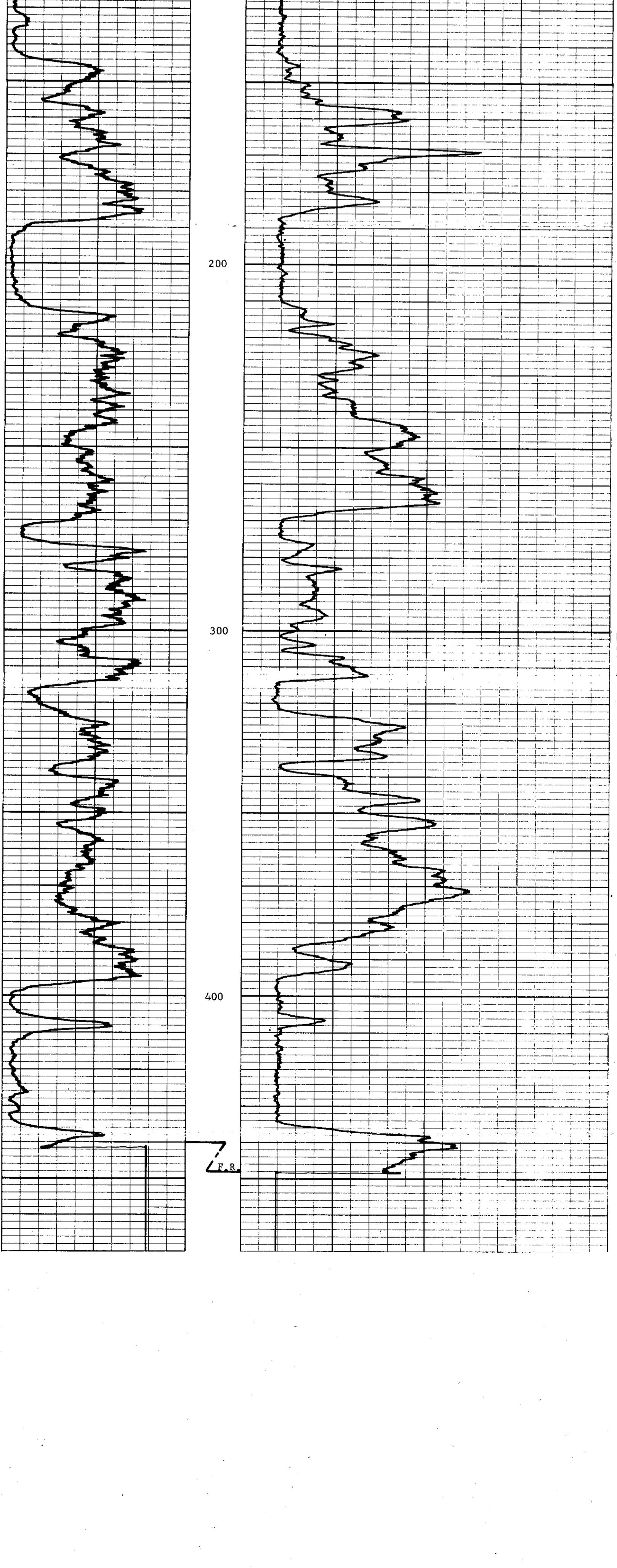
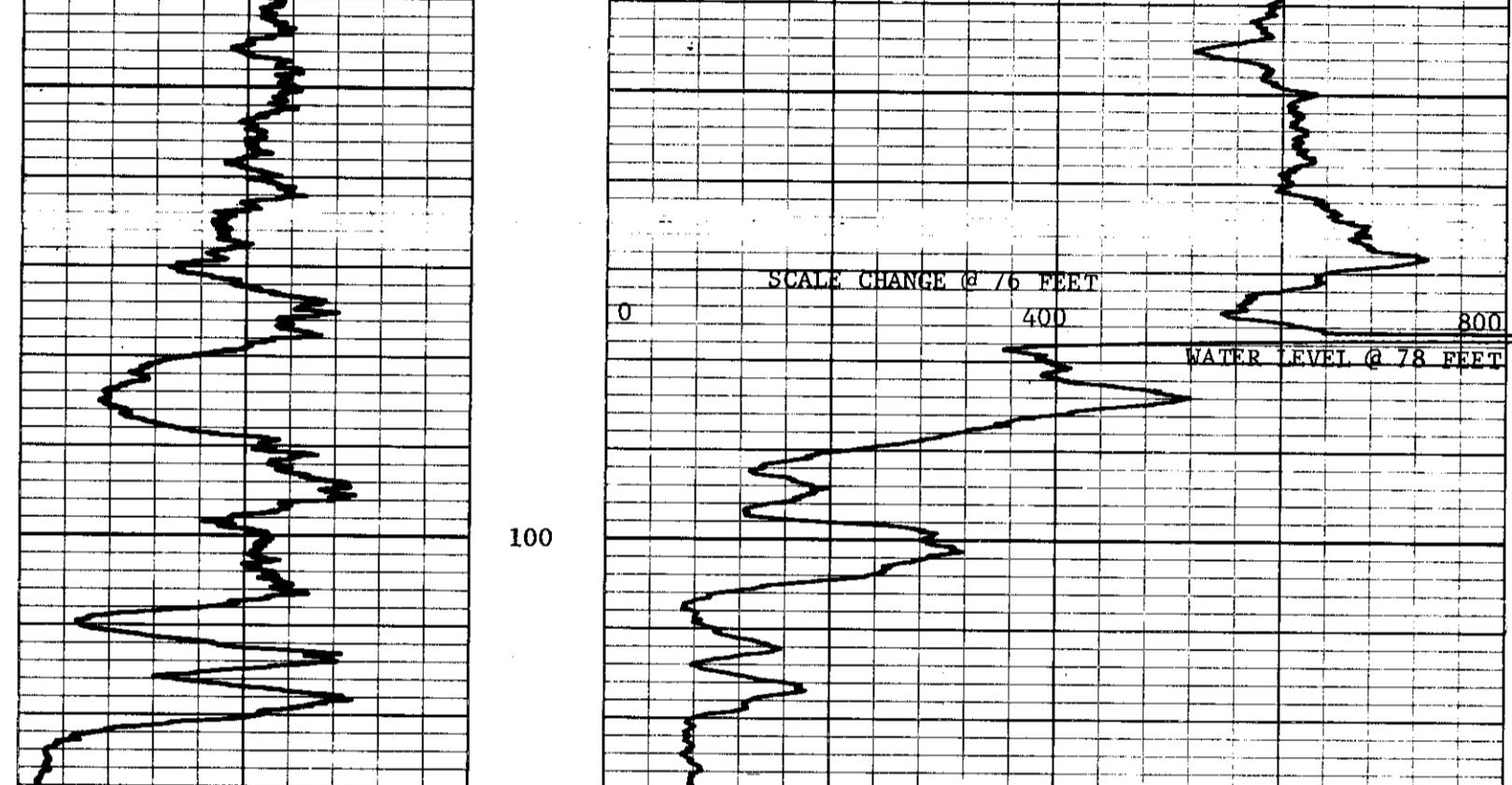
GAMMA RAY NEUTRON LOG

K-FAC-73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD	WELL	RH 221	
SEC			
TWP			
RGE			
W	M	LOCATION TORNBILL MOUNTAIN	
FIELD FORDING			
PROVINCE BRITISH COLUMBIA			
Permanen Drum GROUND LEVEL		Elev.	
Log Measured from GROUND LEVEL		Ft. Above Perm. Datum	
Well Depths Measured from GROUND LEVEL		G.L.	
Run. No.	ONE		
Date	10 OCTOBER 73		
First Reading	448		
Last Reading	0		
Footage Logged	448		
Depth Reached	448		
Depth Driller			
Casing Rroke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	78 FEET		
Min. Diam.	4 1/2 INCH		
Rn @ °F			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPLIN

EQUIPMENT DATA											
GAMMA RAY				NEUTRON							
RUN NO.	ONE			RUN NO.	ONE						
TOOL MODEL NO.				LOG TYPE							
DIAMETER	1 11/16			TOOL MODEL NO.							
DETECTOR MODEL NO.				DIAMETER	1 11/16						
TYPE	GEIGER			DETECTOR MODEL NO.							
LENGTH	18 INCH			TYPE							
DISTANCE TO N. SOURCE	8.55 FT.			LENGTH							
	GENERAL			SOURCE MODEL NO.							
HOIST TRUCK NO.	30			SERIAL NO.							
INSTRUMENT TRUCK NO.				SPACING							
TOOL SERIAL NO.	CGN27U4A65			TYPE							
				STRENGTH							

LOGGING DATA											
GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	76	11	5	100	OL	10 API	3	1000	0 L	80 CPS
	76	448	11	5	100	OL	10 API	3	500	0 L	40 CPS
REMARKS											



ROKE

K-Foothills 73(3)A-1

OIL ENTERPRISES LTD., CALGARY, ALBERTA

FILE NO. LSD
 SEC WELL
 TWP RH 221
 RGE M

LOCATION FORDING
 FIELD FORDING

PROVINCE BRITISH COLUMBIA
 Permanent Datum GROUND LEVEL Ellev. _____
 Log Measured from GROUND LEVEL Ft. Above Perm. Datum _____
 Well Depths Measured from _____

Other Services:

GRN

K.B.

CSC

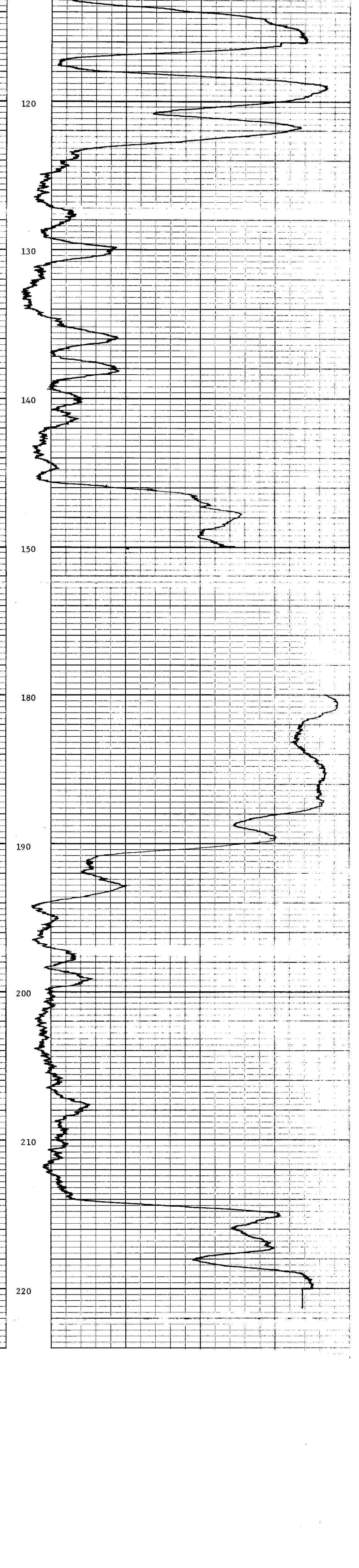
G.L.

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LOGGING DATA

RUN NO.	DEPTHS		SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.
	FROM	TO					
1	100	220	4	3	1000	4R	

REMARKS

HOLE DIAMETER
(INCHES)

Fluid Type	WATER
Liquid Level	64 FEET
Min. Diam.	4 1/2 INCH
Rm @ 0°F	
Operating Time	2 HOURS
Truck No.	32
Recorded By	SIM
Witnessed By	BERTRAND

ROKEK - FREDONIC 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING-COAL LIMITED	
LSD	SEC		
TWP	WELL	RH 223	
RGE	LOCATION	TURNBULL MOUNTAIN	
W.	M.		
PROVINCE	BRITISH COLUMBIA		
Permaiany Datum	GROUND LEVEL	E_{Inv}	
Log Measured from	GROUND LEVEL	Ft. Above Perm. Datum	
Well Depths Measured from			
FIELD	FORDING		
Run. No.	ONE	DENS	
Date	25 AUGUST 73	K. B.	
First Reading	501	CSC	
Last Reading	0	G.L.	
Footage Logged	501	Other Services:	
Depth Reached	502		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	82 FEET		
Min. Diam.	4 1/2 INCH		
Rm @ °F			
Operating Time	2 HOURS		
Truck No.	32		
Recorded By	SIM	Witnessed By	BERTRAND

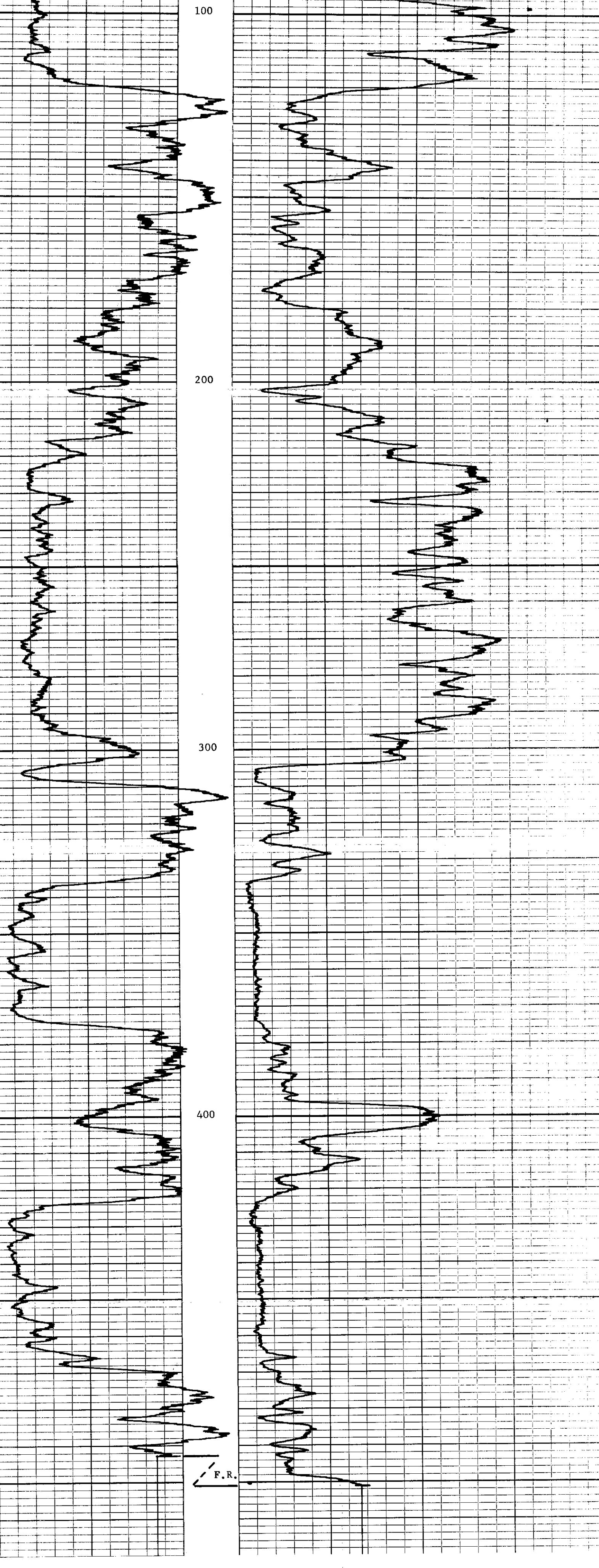
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	32	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A-65	TYPE	AmBe
		STRENGTH	3 CURIE

LOGGING DATA

RUN NO.	DEPTH		SPEED	T.C.	SENS	GAMMA RAY		NEUTRON	
	FROM	TO				ZERO	API G. R. UNITS	T. C.	SENS
1	0	82	11	5	100	0L	10 API	3	1000
	82	501	11	5	100	0L	10 API	3	1000

REMARKS



ROKE

K- Specenk - 73(3)84

OIL ENTERPRISES LTD.

CALGARY, ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 223
SEC		
TWP		
RGE		
W	LOCATION	TURBULL MOUNTAIN
M		
FIELD FORDING		
PROVINCE BRITISH COLUMBIA		Other Services: GRN
Permanent Datum	GROUND LEVEL	
Log Measured From GROUND LEVEL		K.B. C.S.G. G.L.
Well Depths Measured from		

3/5

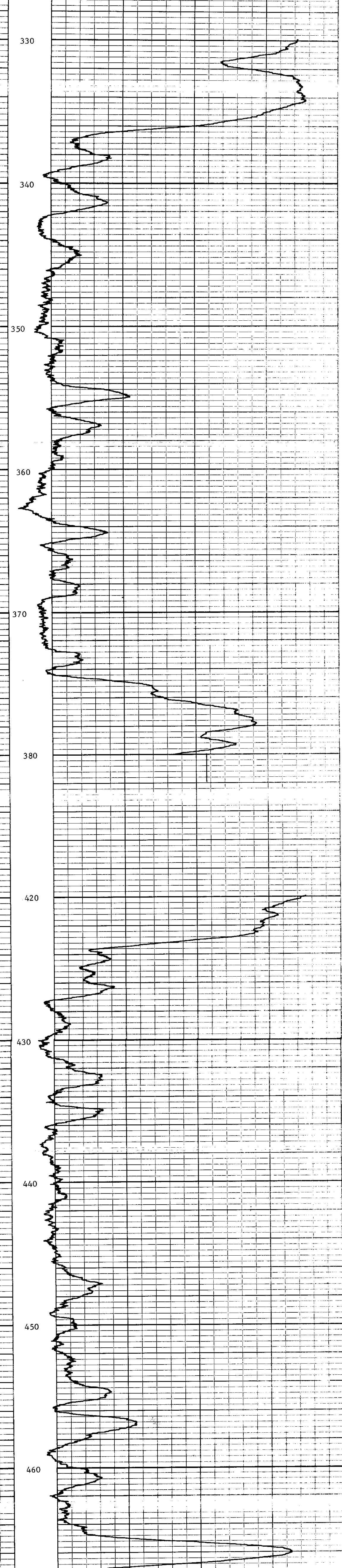
LOGGING DATA

RUN NO.	DEPTH		SPEED FT/MIN	T.C. SEC.	SENS	ZERO DIV. L OR R	CPS/DIV.
	FROM	TO					
1	300	470	4	3	1000	4R	

REMARKS

CALIPER

HOLE DIAMETER (INCHES)



Fluid Type	WATER
Liquid Level	82 FEET
Min. Diam.	4 1/2 INCH
Rim @ 0'F	
Operating Time	2 HOURS
Truck No.	32
Recorded By	SIM
Witnessed By	BERTRAND

ROKE

K- FAXONE-73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO	OIL ENTERPRISES LTD.	CALGARY,	ALBERTA
LSD	COMPANY	FORDING COAL LIMITED	
SEC	WELL	R. H. 224	
TWP	LOCATION	TURNBULL MOUNTAIN	
RGE	FIELD	FORDING RIVER	
M	PROVINCE	BRITISH COLUMBIA	
	GROUND LEVEL	Elev.	
	Log Measured from	ft. Above Perm. Datum	
	Well Depth Measured from	ft.	
	GROUND LEVEL		
		DENS	Other Services
		K.B.	
		CSG	
		G.L.	
Run. No.	ONE		
Date	6 SEPT 73		
First Reading	369		
Last Reading	0		
Footage Logged	369		
Depth Reached	370		
Depth Driller	370		
Casing Roke			
Casing Driller			
Fluid Type	WATER/AIR		
Bottom Level	4 7/8 INCH		
Min. Diam.			
Rim @ oF			
Operating Time	2 HOURS		
Truck No.	33		
Recorded By	PETERSON	Witnessed By	
	BERRAND		

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	33	SERIAL NO.	598
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A74	TYPE	AmBe
		STRENGTH	6.94 x 10 ⁶ N/S

LOGGING DATA

RUN NO.	GENERAL		GAMMA RAY				NEUTRON				
	DEPTH	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
FROM	TO	FT/MIN	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.	
1	0	36	12	5	100	0L	10	5	1000	10 L	80 CPS
	36	369	12	5	100	0L	10	5	500	0 L	40 CPS

REMARKS

GAMMA RAY

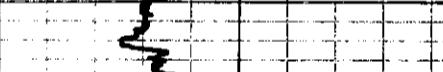
DEPTHS

NEUTRON

GAMMA RAY INCREASES

API

100

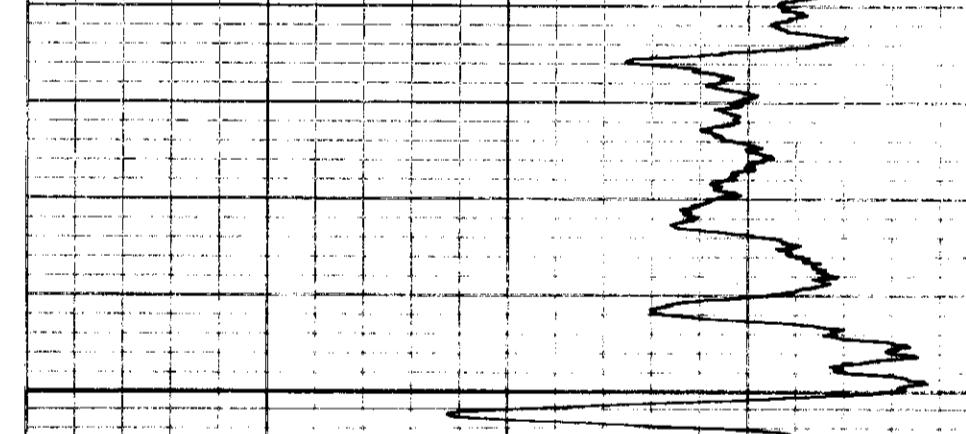


NEUTRON INCREASES

CPS

2400

800



SCALE CHANGE @ 36 FT

WATER LEVEL @ 47 FT

000

100

200

300

F.R.

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

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4900

5000

5100

5200

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7000

7100

7200

7300

7400

7500

7600

7700

7800

7900

8000

8100

8200

8300

8400

8500

8600

8700

8800

8900

9000

9100

9200

9300

9400

9500

9600

9700

9800

9900

10000

10100

10200

10300

10400

ROKESIDEWALL DENSILOG
OIL ENTERPRISES LTD., CALGARY, ALBERTA

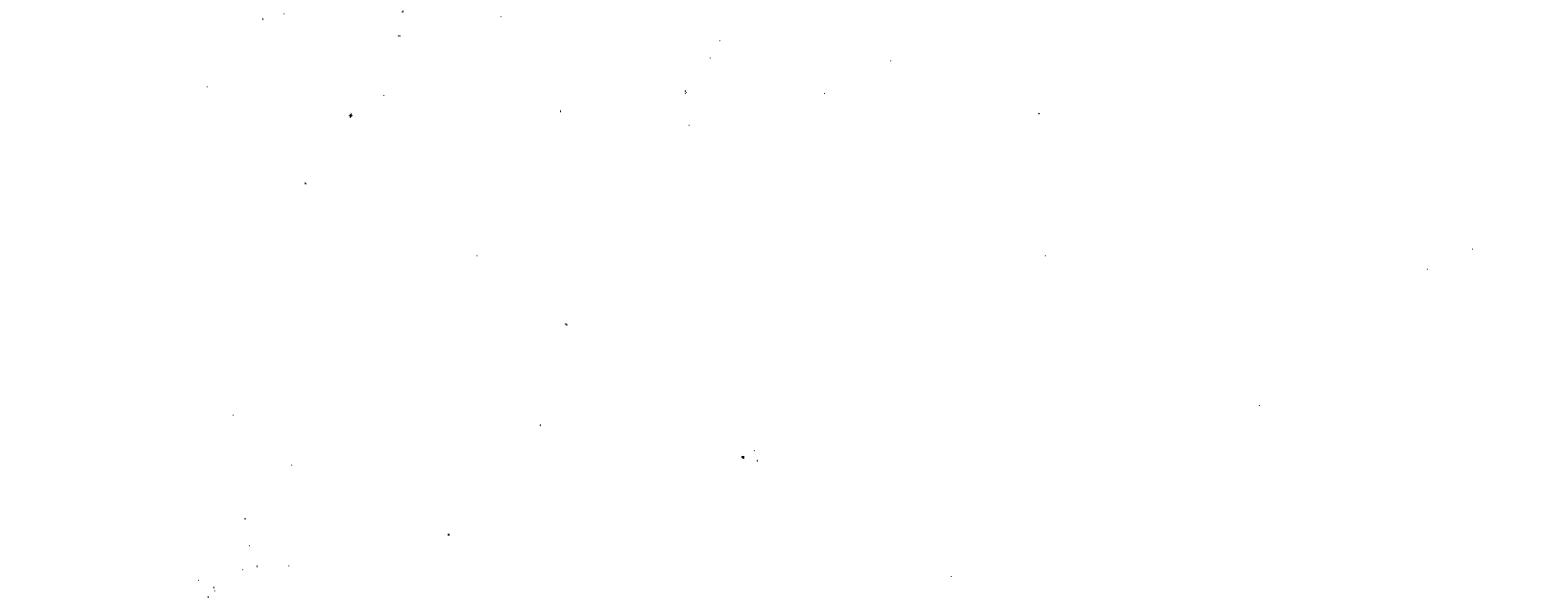
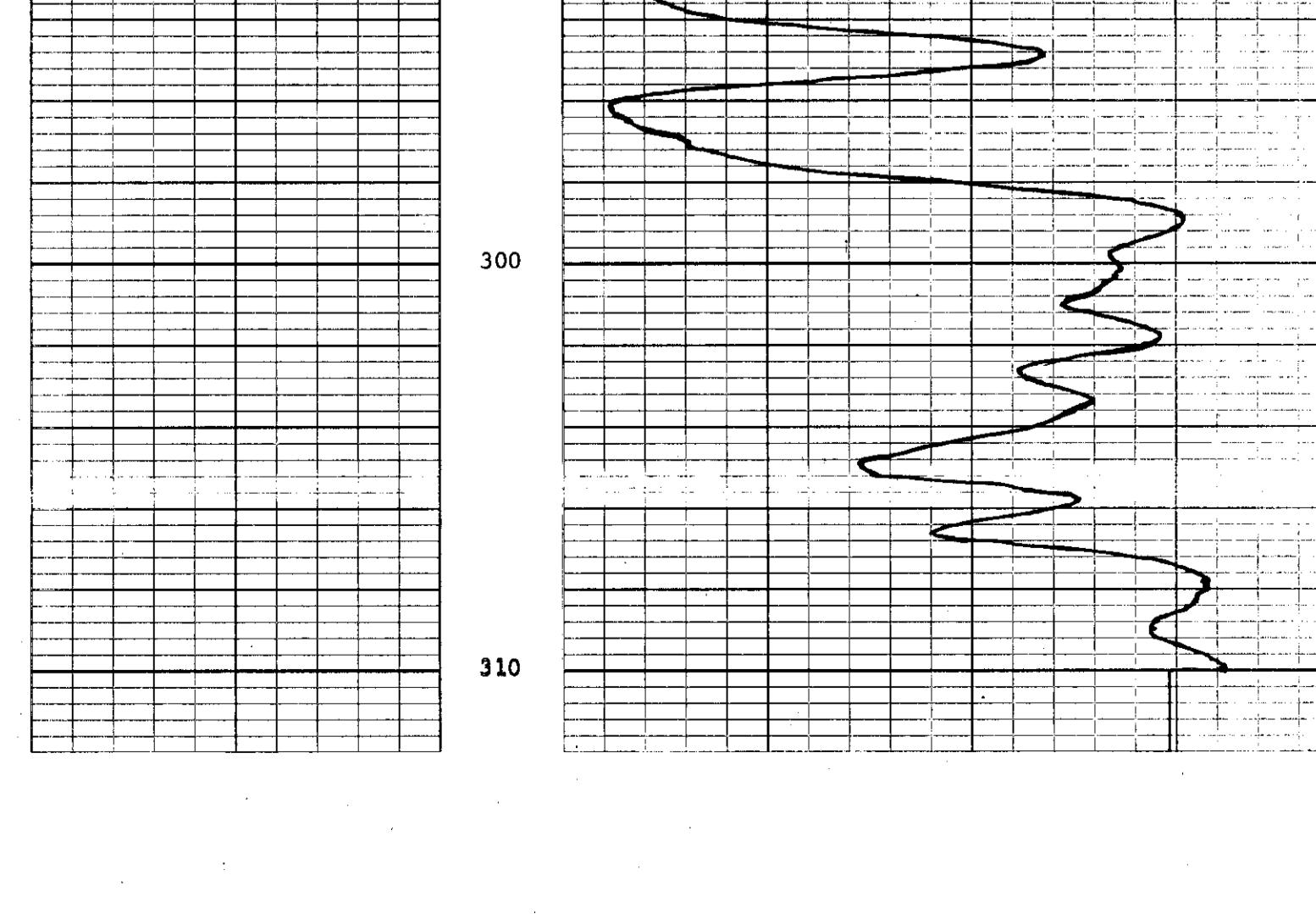
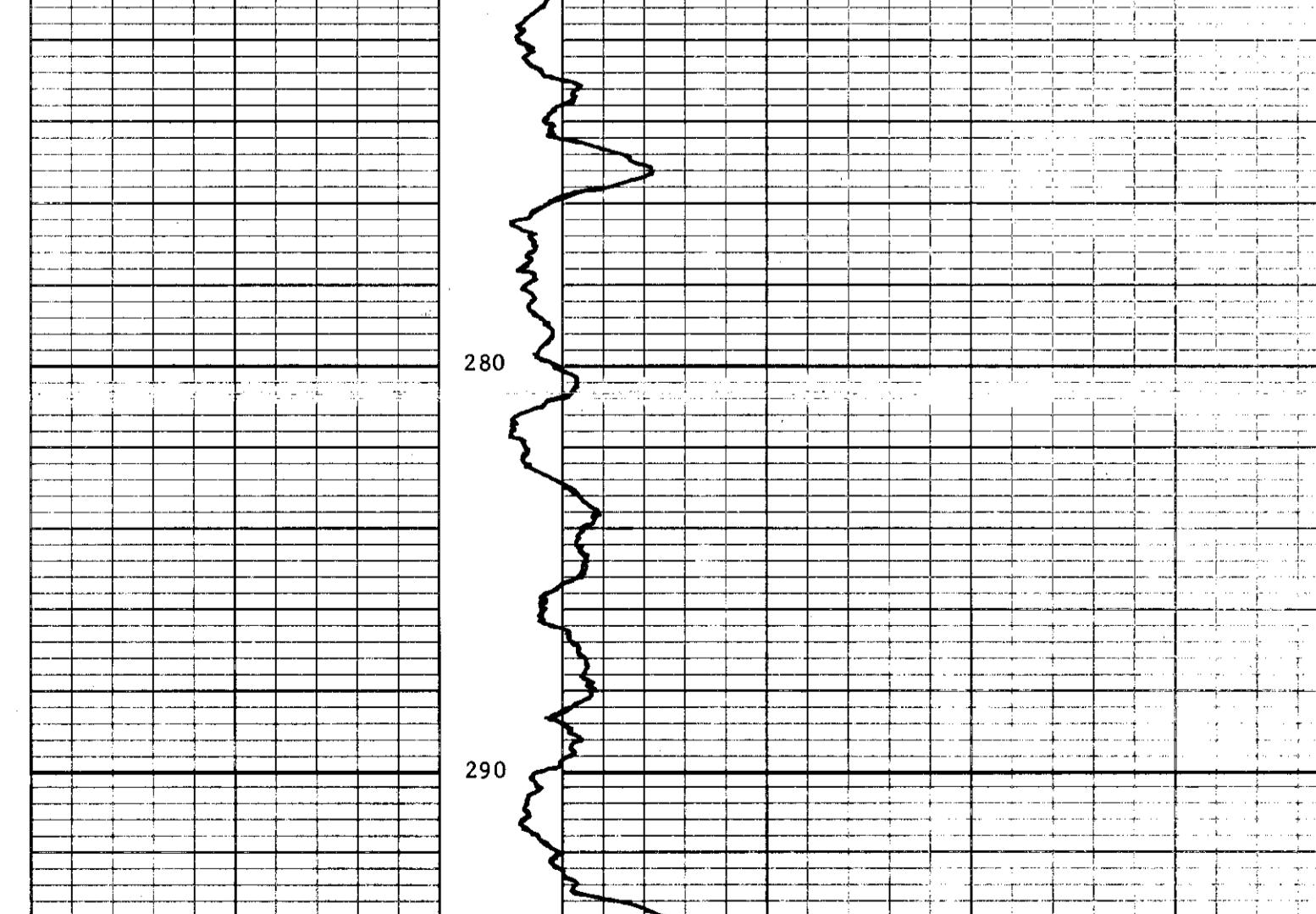
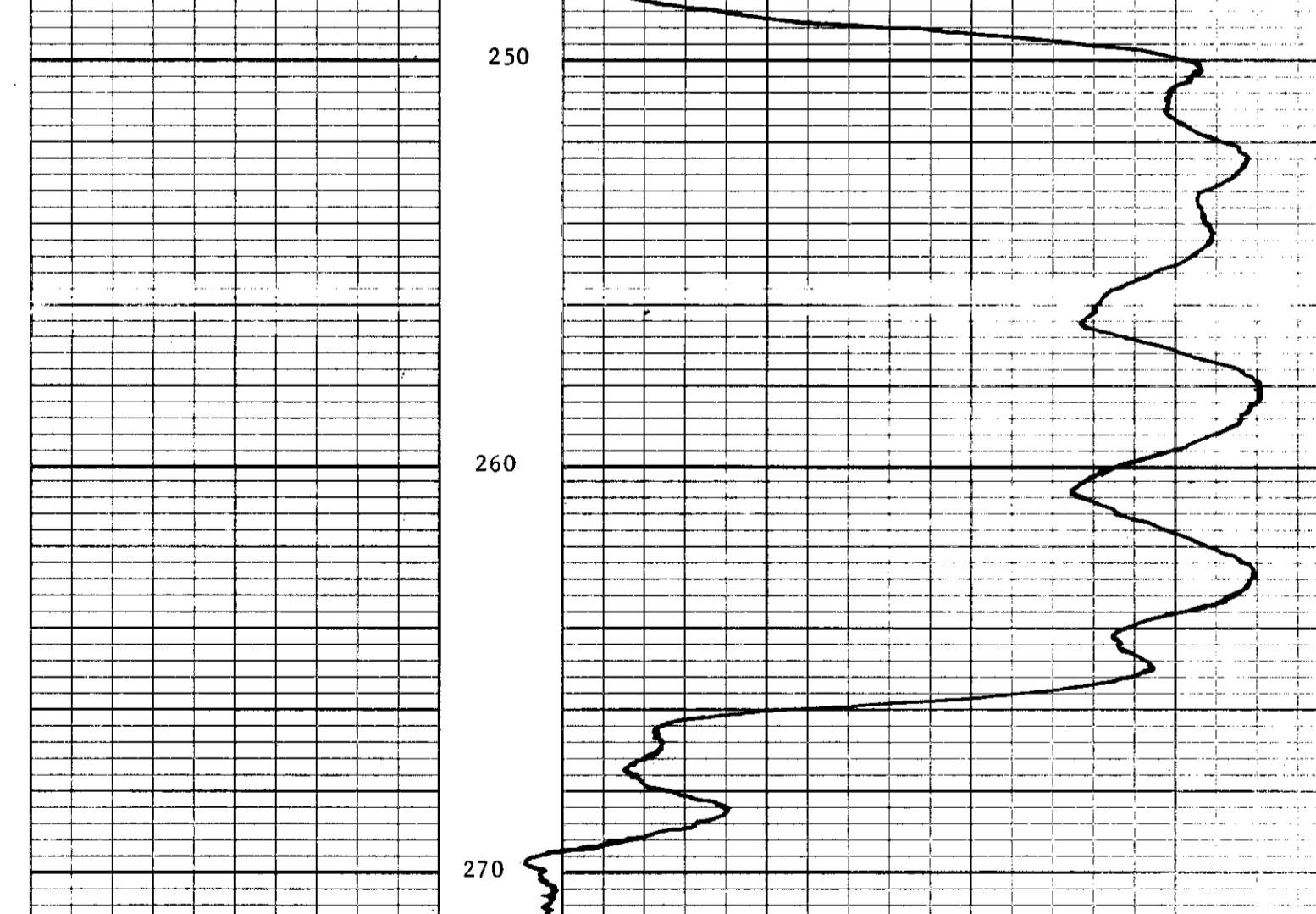
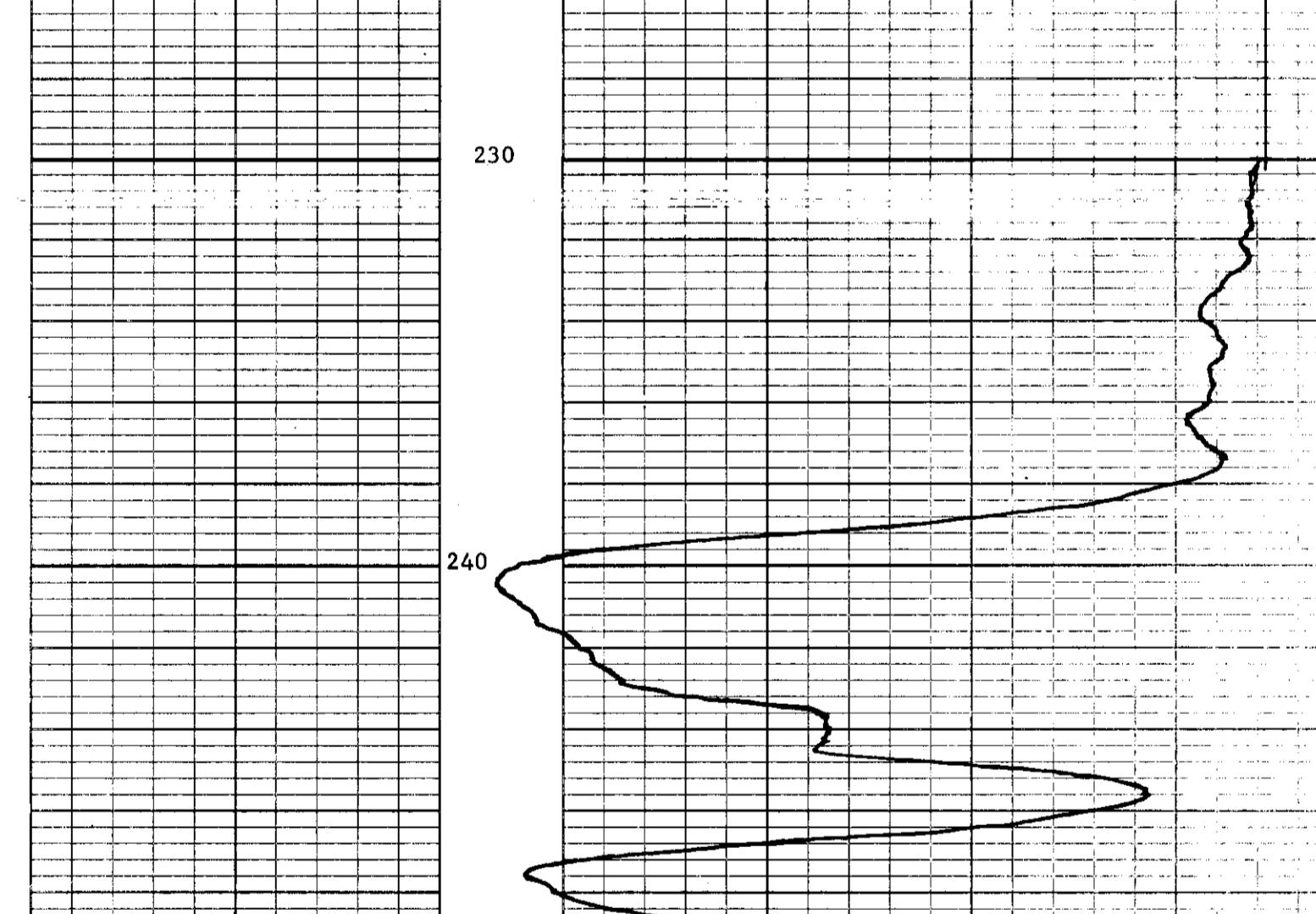
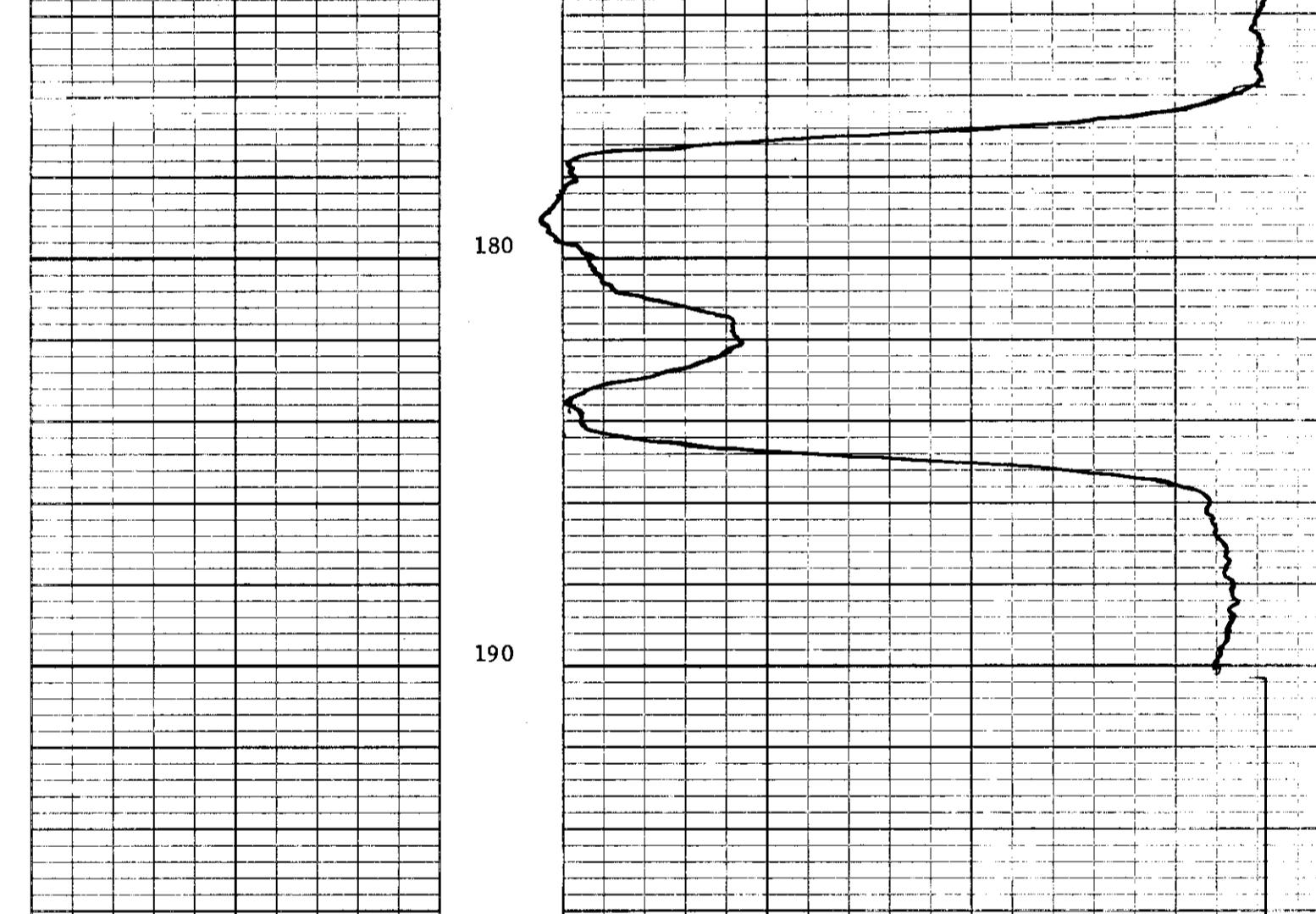
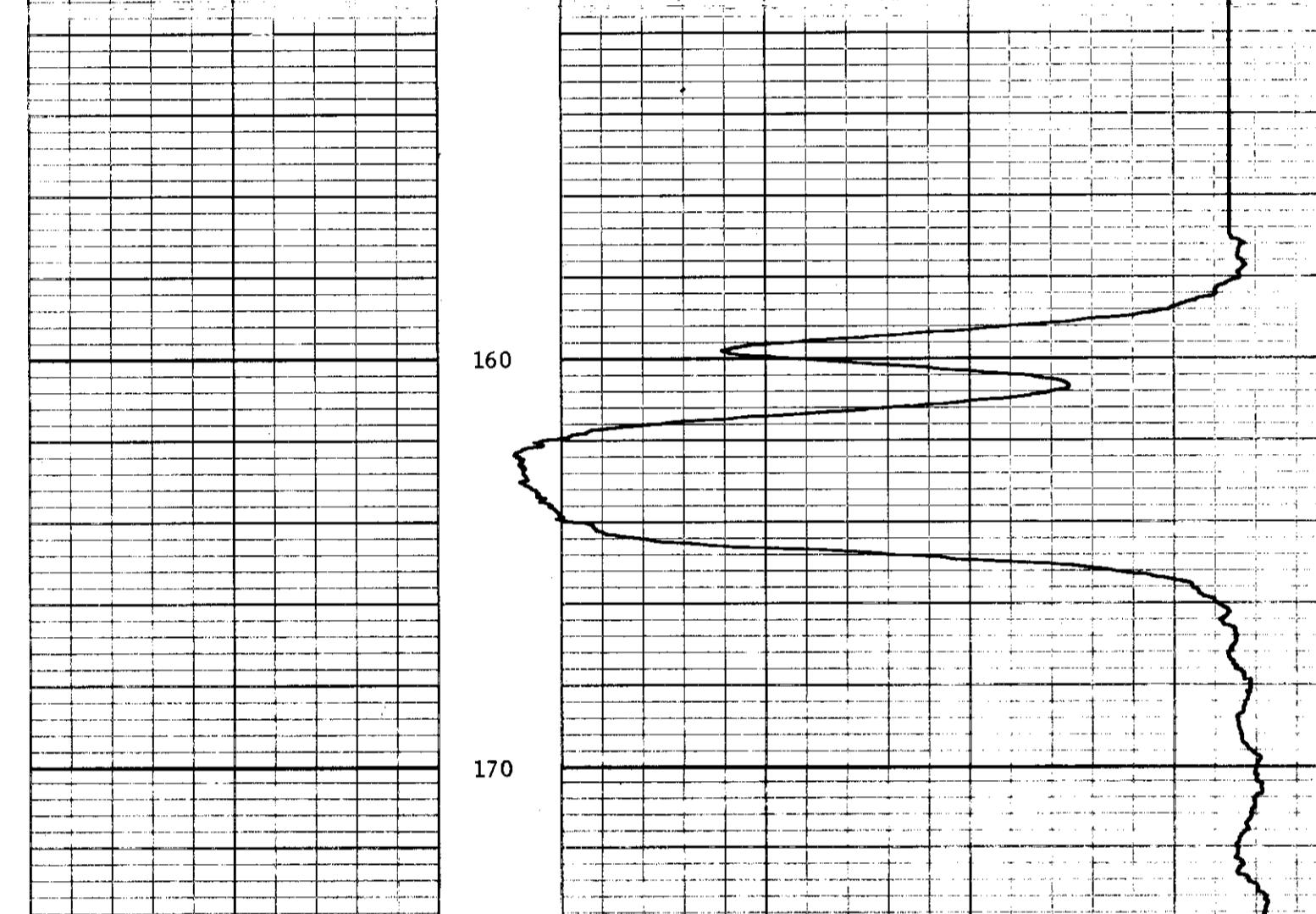
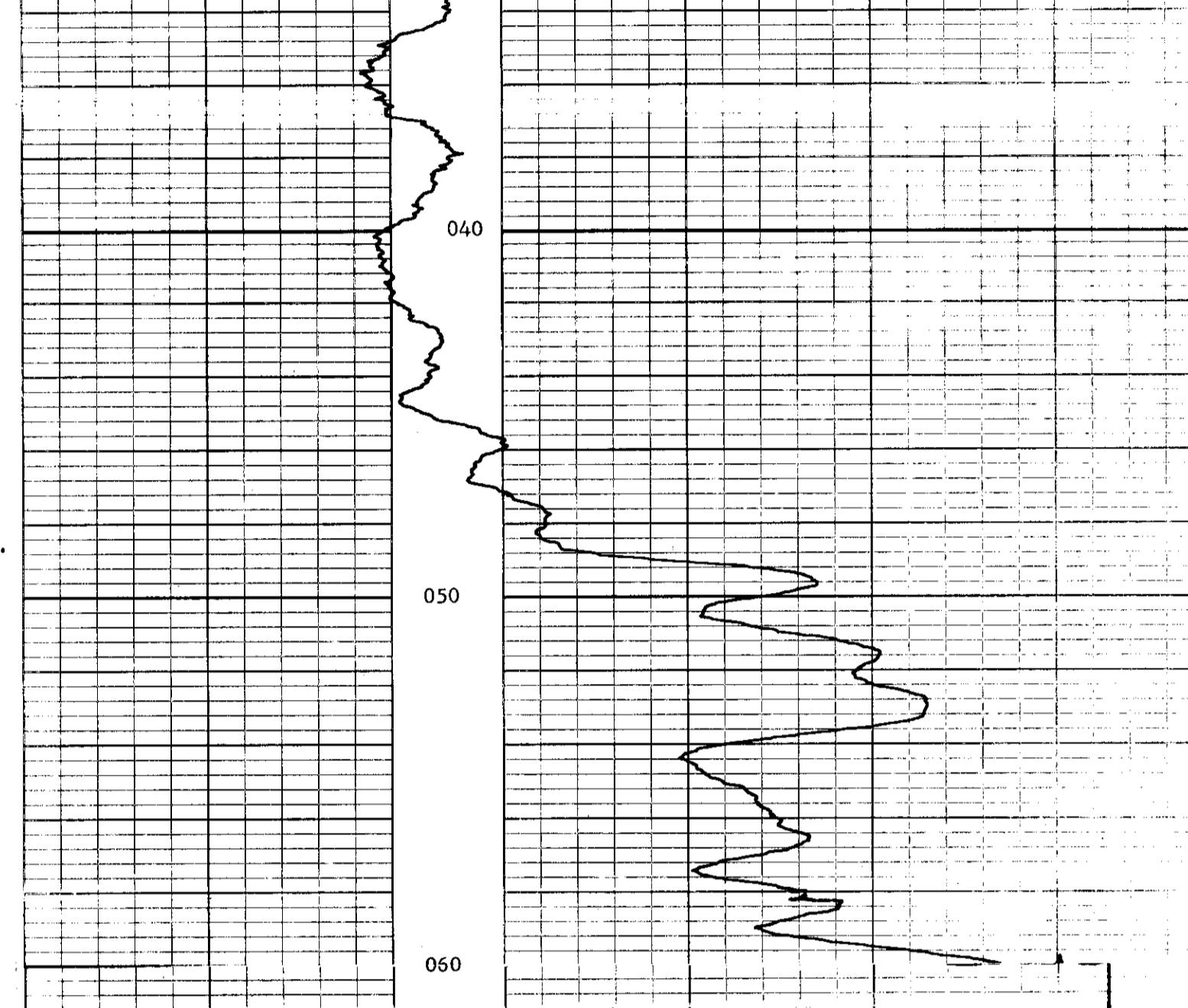
K-FREIGHTS 73/38

315

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	SEC	R.H. 224
TWP	WELL	
RGE	LOCATION	TURNBULL MOUNTAIN
W	FIELD	FORDING
M	PROVINCE	BRITISH COLUMBIA
	PERMANENT Datum	GROUND LEVEL
	Log Measured from	GROUND LEVEL
	Well Depths Measured from	GROUND LEVEL
	Elev.	ft. Above Perm. Datum
	K.B.	C.S.S.
	G.L.	
	Other Services:	
	GRN	

LOGGING DATA							
RUN NO.	DEPTH(S)		SPEED FT/MIN	T.C. SEC	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.
	FROM	TO					
1	20	60	5	3	1000	1.9 R	
	160	190	5	3	1000	1.9 R	
	230	310	5	3	1000	1.9 R	

REMARKS



Recorded By PETERSON Witnessed By BERTRAND

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

K - FORDING BK3A-1
GAMMA RAY NEUTRON LOG

315

FILE NO	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 225
SEC		
TWP		
RGE		
W	LOCATION	TURNBULL MOUNTAIN
M	FIELD	FORDING
PROVINCE BRITISH COLUMBIA		
Permanent Datum	GROUND LEVEL	Elev
Log Measured from	GROUND LEVEL	ft. Above Perm. Datum
Well Depth Measured from	GROUND LEVEL	
Other Services		
K.B.		
CSG		
G.L.		

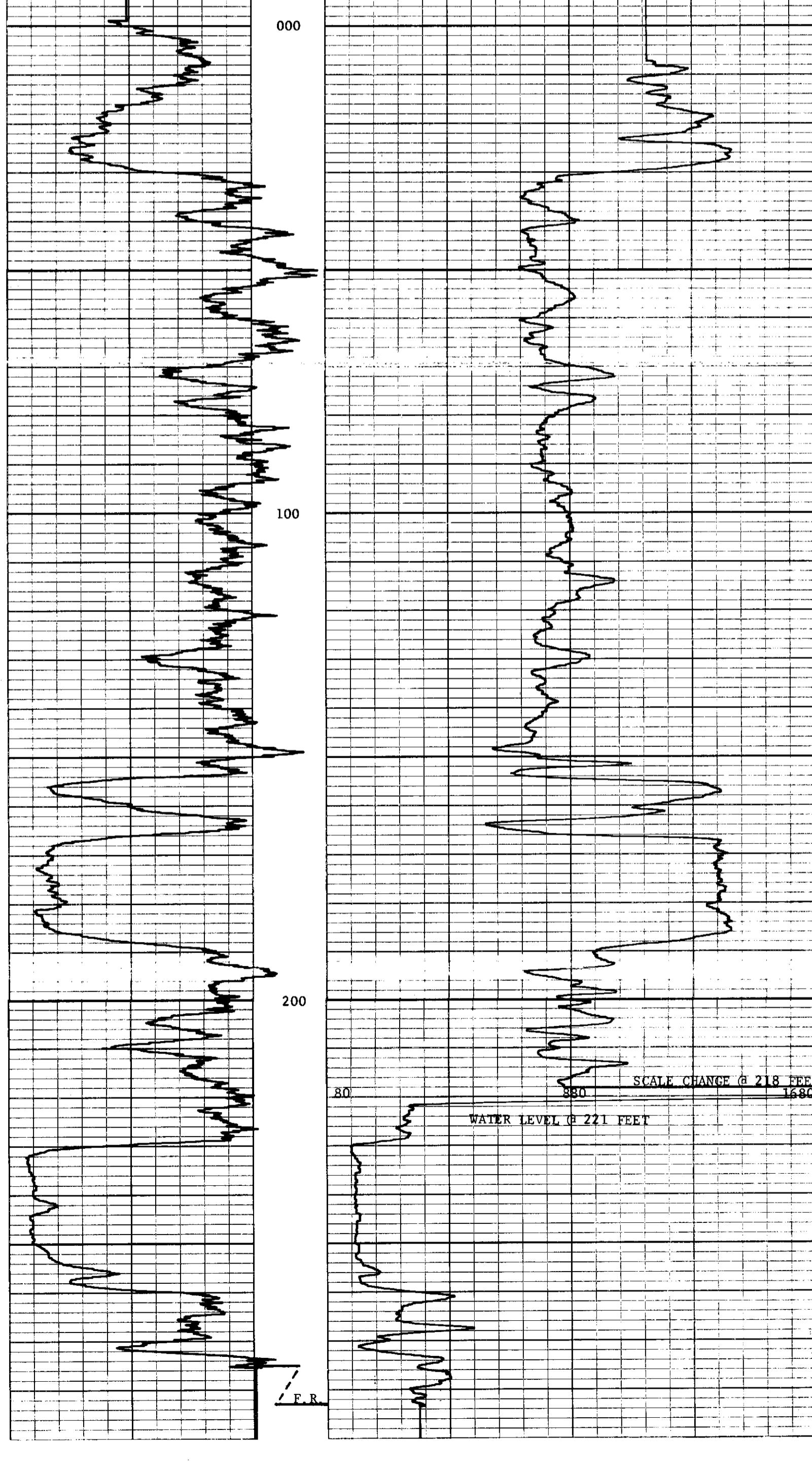
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.		SERIAL NO.	598
INSTRUMENT TRUCK NO.	30	SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	6.94×10^6 N/S

LOGGING DATA

RUN NO.	DEPTH		SPEED	T.C.	SENS	GAMMA RAY		NEUTRON				
	FROM	TO				FT/MIN	SEC.	SETTINGS	ZERO	API G. R. UNITS	T. C.	SENS
1	0	218	12	5	100	OL		10	3	1000	10 L	80 CPS
	218	283	12	5	100	OL		10	3	500	1 L	80 CPS

REMARKS



Recorded By **PETERSON** Witnessed By **BERTRAND**

OKE

K - FROTHING 73(3) A-
AY NEUTRON LOG

ENTERPRISES LTD.
CALGARY,
ALBERTA
ON
TRE

卷之三

GROUND LEVEL	E ^{in3.}	K B.
INTERVALS BRUSH VOLUNTEER		

GROUND LEVEL

ONE

434

434

435

THE JOURNAL OF CLIMATE

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THE JOURNAL OF CLIMATE

2 HOURS

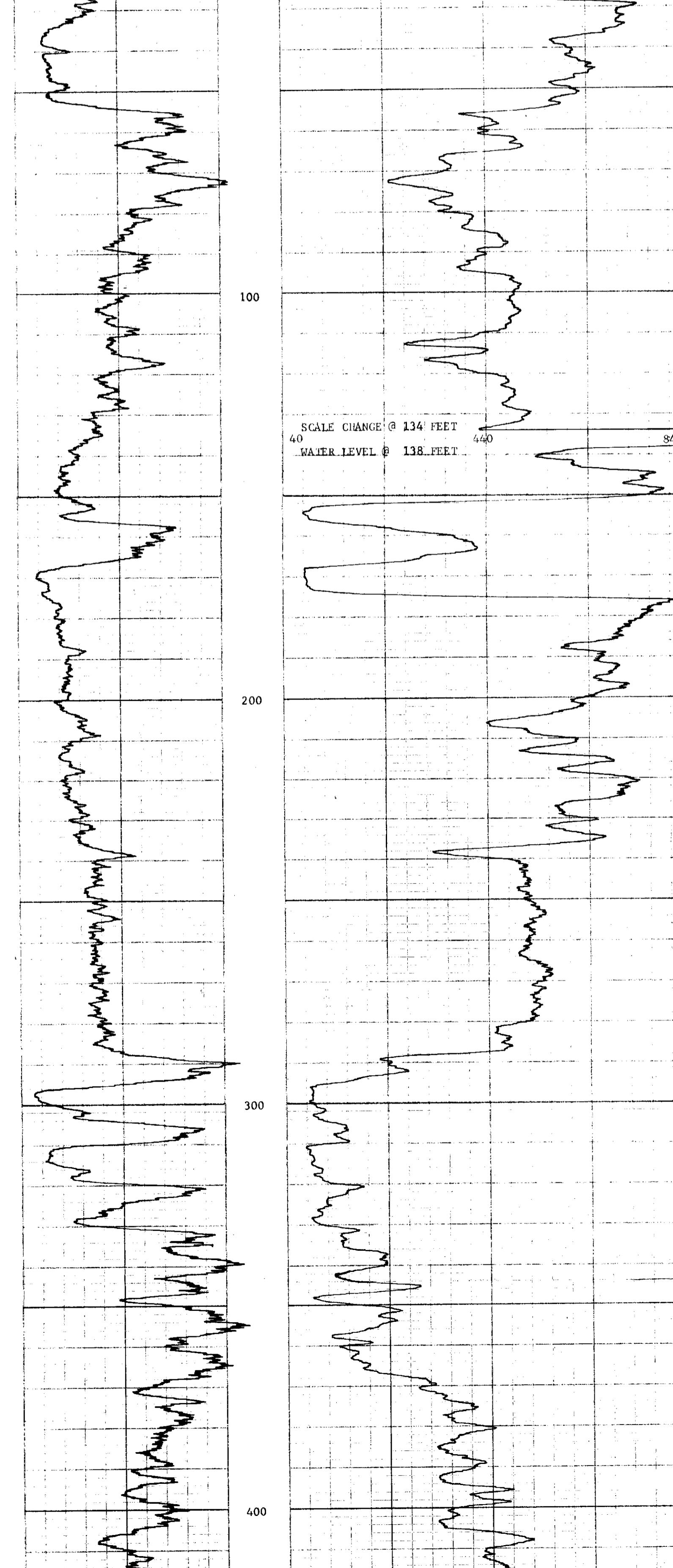
THE JOURNAL OF CLIMATE

BY PETERSON
WITNESSED BY BERTRAND

65 STE

— 1 —

1



ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

K - FORDING 73(3)R-1

FILE NO	COMPANY	FORDING COAL LIMITED	
LSD	WELL	RH 227	
SEC			
TWP			
RGE			
W	LOCATION	TURNBULL MOUNTAIN	
M	FIELD	FORDING	
PROVINCE		BRITISH COLUMBIA	
LOG MEASURED FROM		GROUND LEVEL	
WELL DEPTHS MEASURED FROM		GROUND LEVEL	
Elev.			
Ft. Above Perm. Datum			
K.B. CSG G.L.			
Other Services:			
Run. No.	ONE		
Date	SEPTEMBER 19, 1973		
Last Reading	0		
Footage Logged	299		
Depth Reached	300		
Depth Driller	300		
Casing Roke			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	4 7/8 INCH		
Min. Diam.			
Rm @ 0°F			
Operating Time	2 HOURS		
Truck No	30		
Recorded By	PETERSON	Witnessed By	BERTRAND

EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO.	ONE		RUN NO.	ONE	
TOOL MODEL NO.			LOG TYPE	NEUTRON/NEUTRON	
DIAMETER	1 11/16		TOOL MODEL NO.		1 11/16
DETECTOR MODEL NO.			DIAMETER		
TYPE	GEIGER		DETECTOR MODEL NO.		
LENGTH	18 INCH		TYPE	PROPORTIONAL	
DISTANCE TO N. SOURCE	8.55 FT.		LENGTH	6 INCH	
GENERAL			SOURCE MODEL NO.	MRC-N-SS-W	
HOIST TRUCK NO.			SERIAL NO.	598	
INSTRUMENT TRUCK NO.	30		SPACING	19 INCH	
TOOL SERIAL NO.	CGN27U4A65		TYPE	AmBe	
			STRENGTH	6.94 x 10 ⁶ N/S	

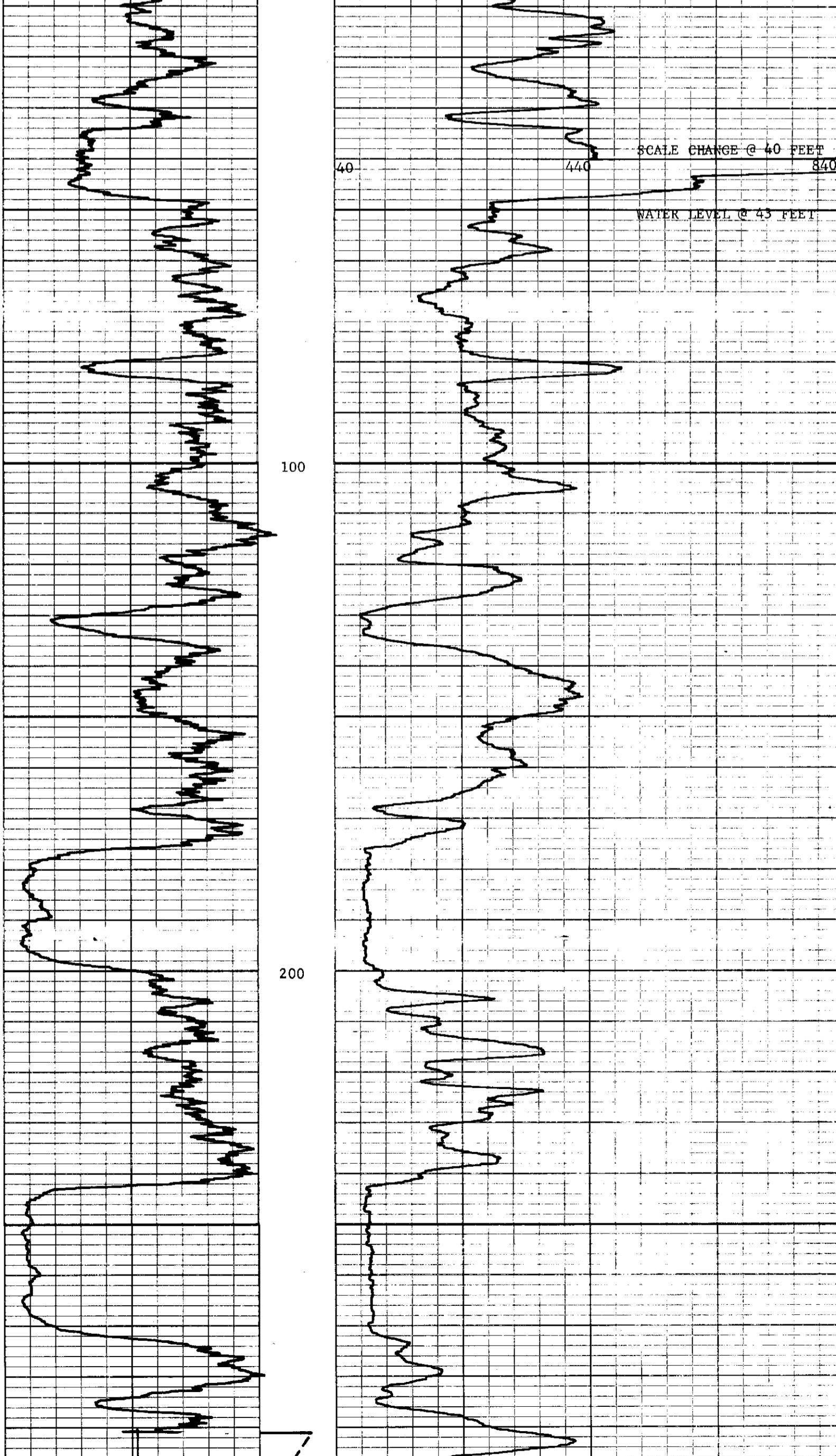
LOGGING DATA

RUN NO.	GENERAL			GAMMA RAY				NEUTRON			
	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	40	12	5	100	0L	10	5	1000	10 I	80 CPS.
	40	299	12	5	100	0L	10	5	500	1 I	40 CPS.

REMARKS

GAMMA RAY

NEUTRON



ROKEK-FROTH 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO	OIL ENTERPRISES LTD. CALGARY, ALBERTA	
LSD SEC	COMPANY FORDING COAL LIMITED	
TWP	WELL DDH 228	
RGE		
M	LOCATION TURNBULL MOUNTAIN	
W	FIELD FORDING	
PROVINCE BRITISH COLUMBIA		
Position Datum E ^{lev}		
Log Material Datum K.B.		
Well Depth Measured from GROUND LEVEL CSG		
Other Services GL		
315		

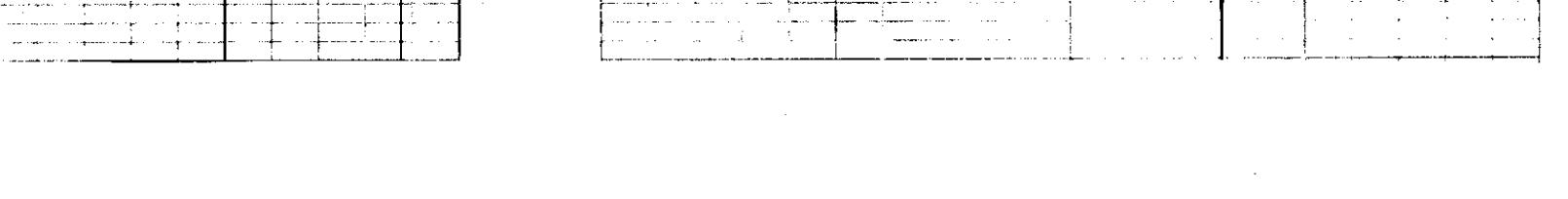
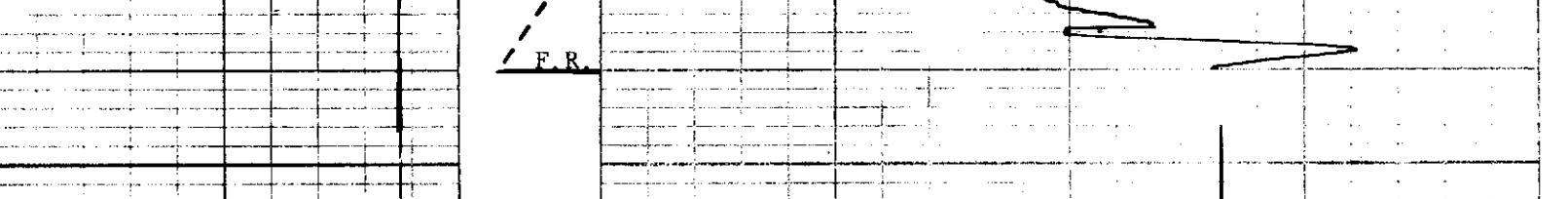
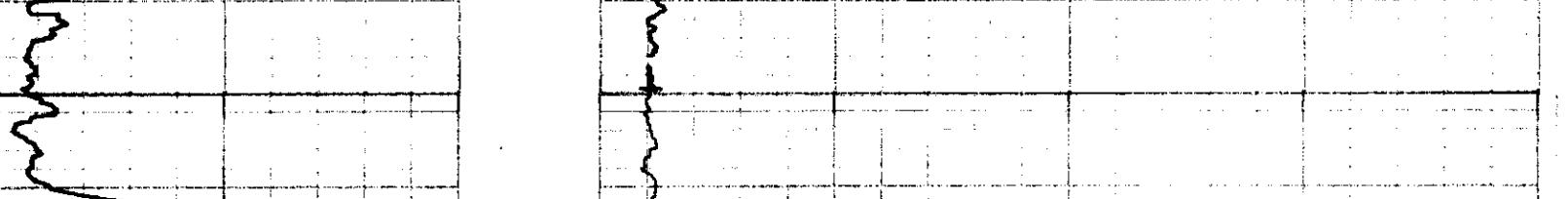
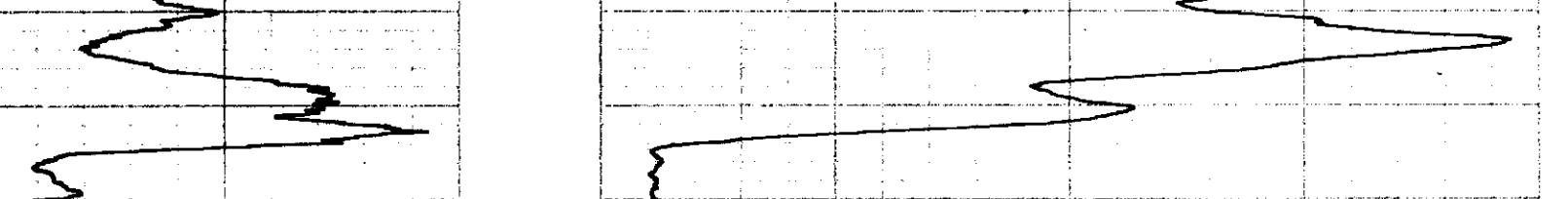
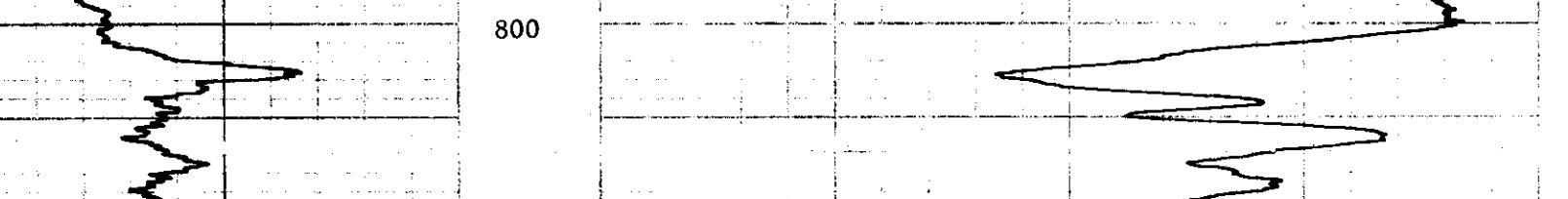
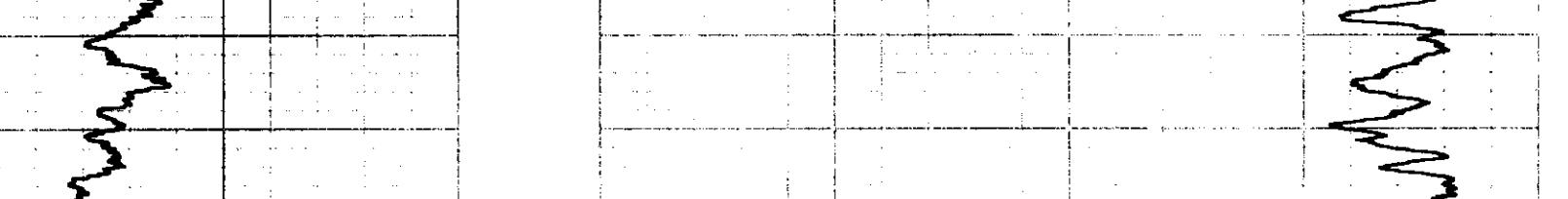
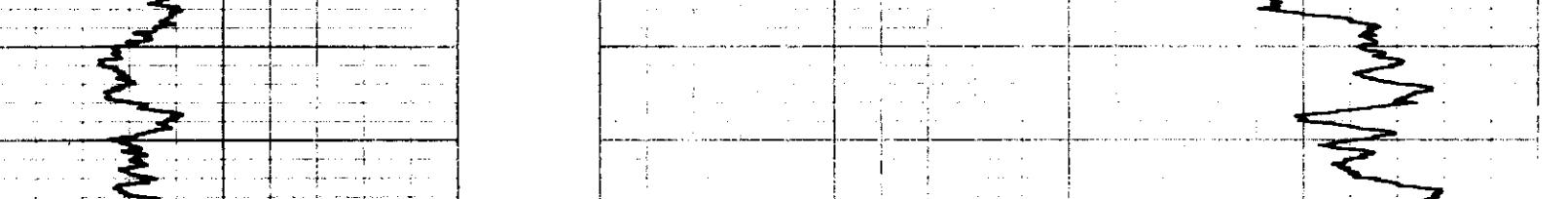
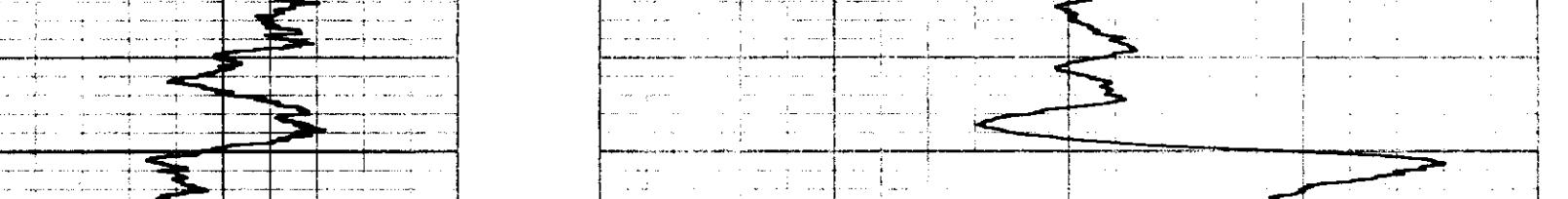
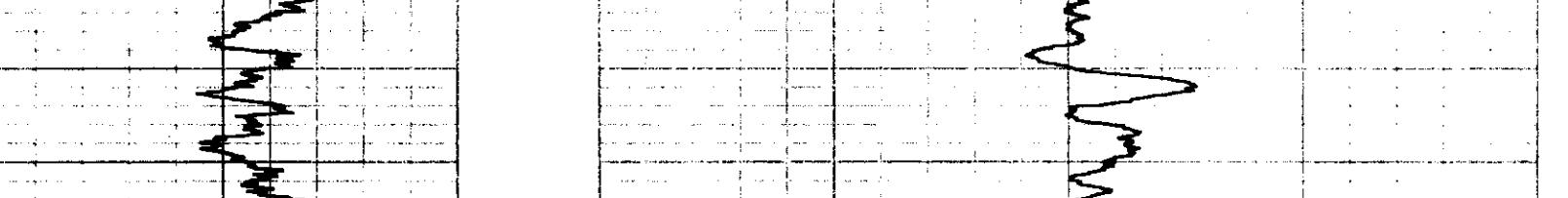
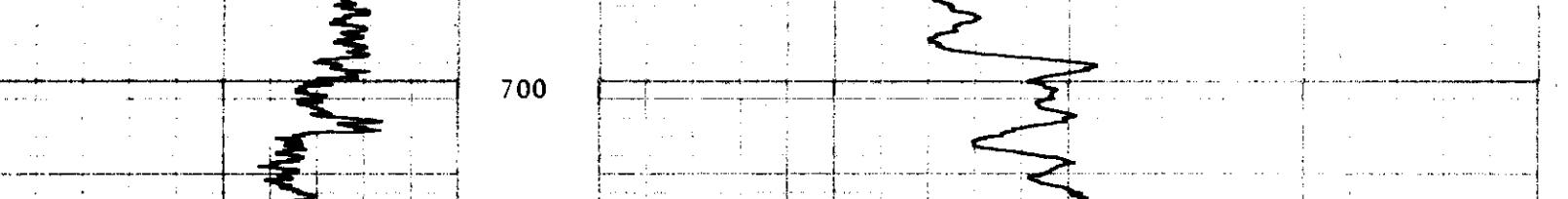
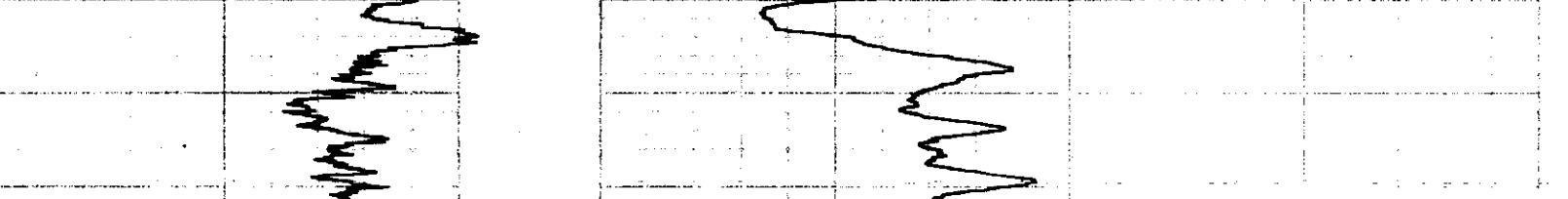
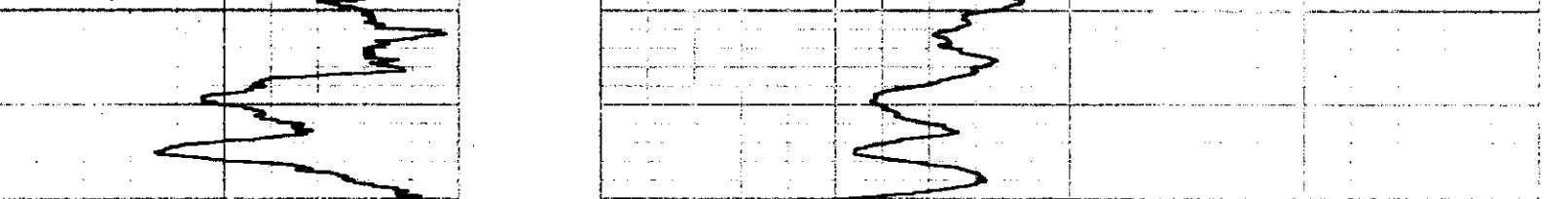
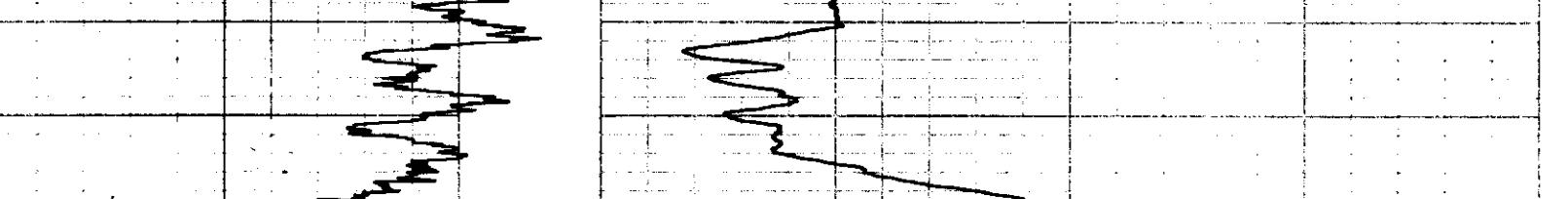
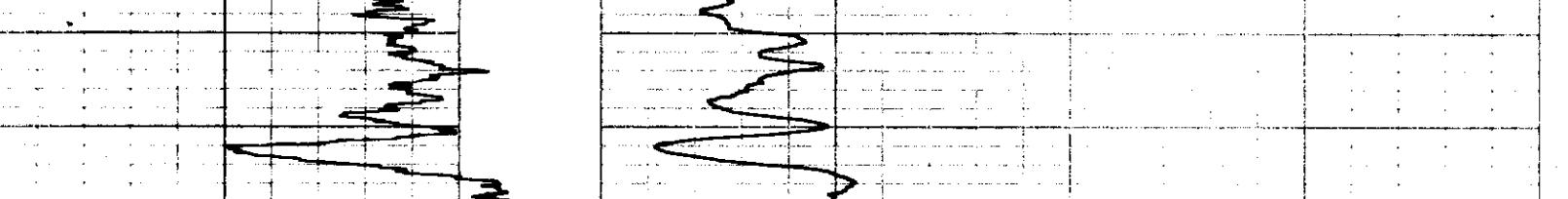
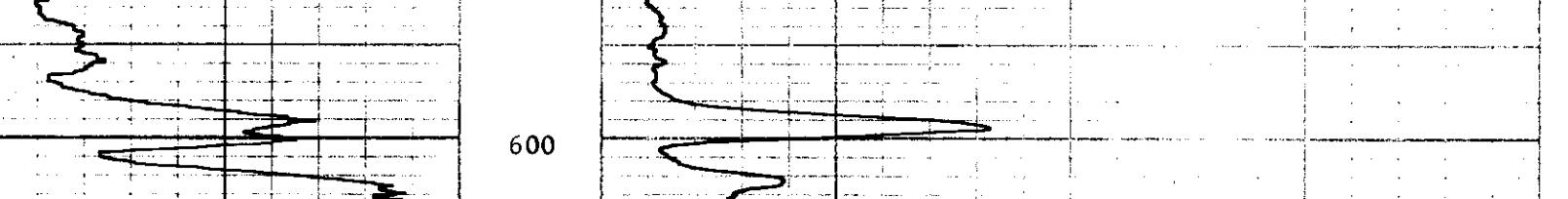
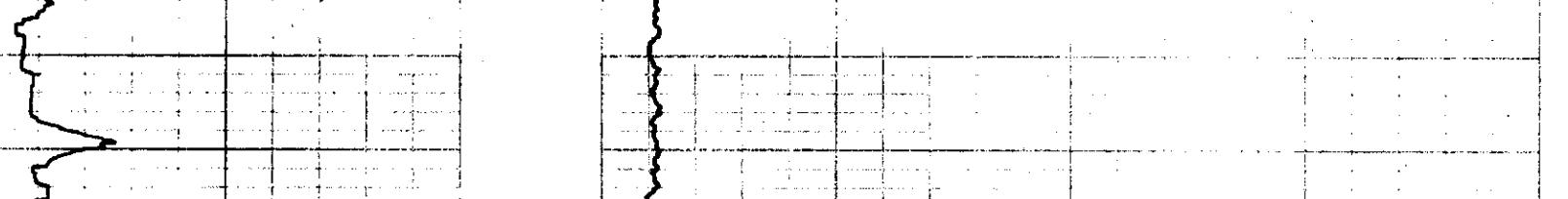
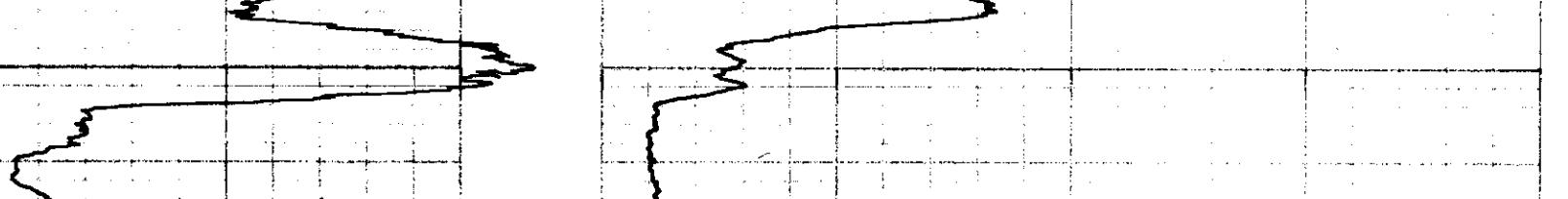
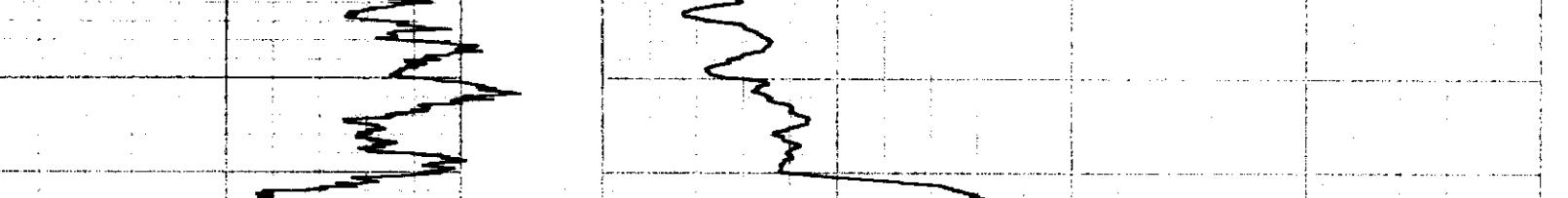
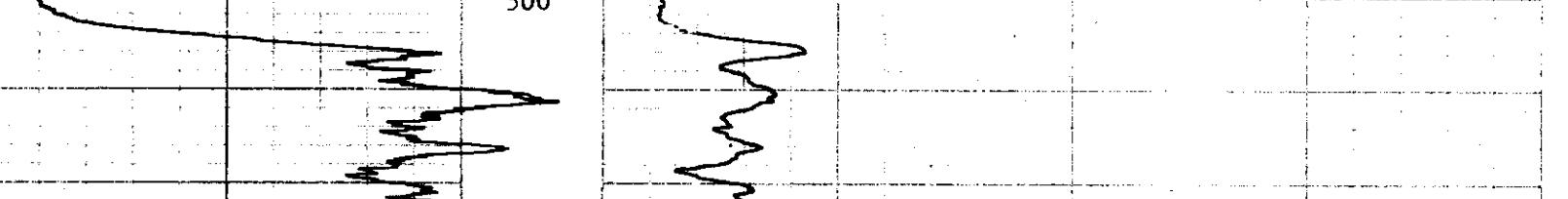
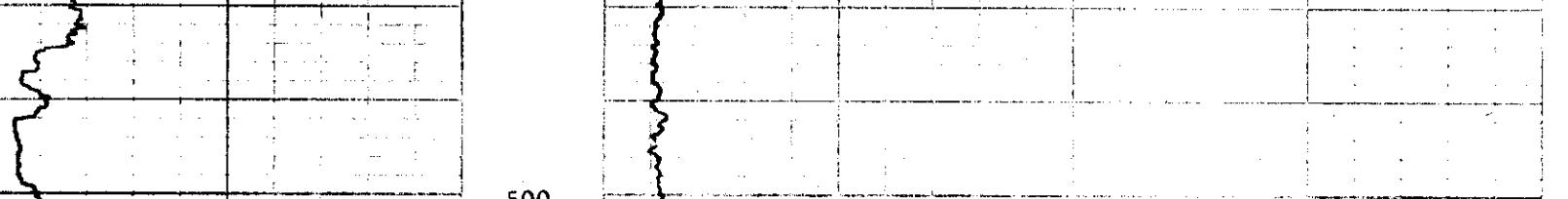
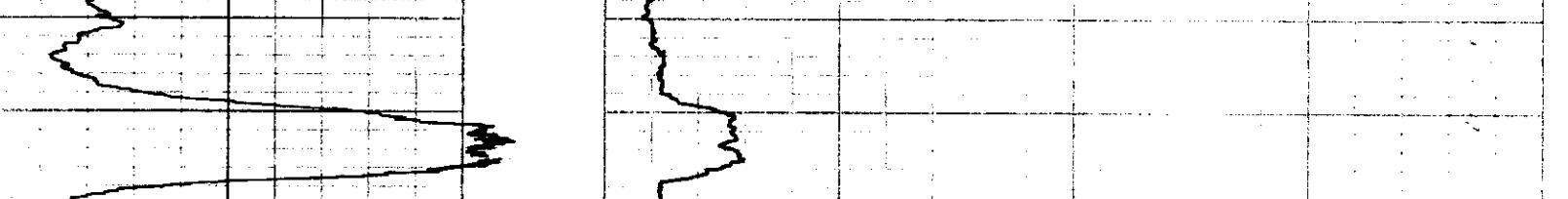
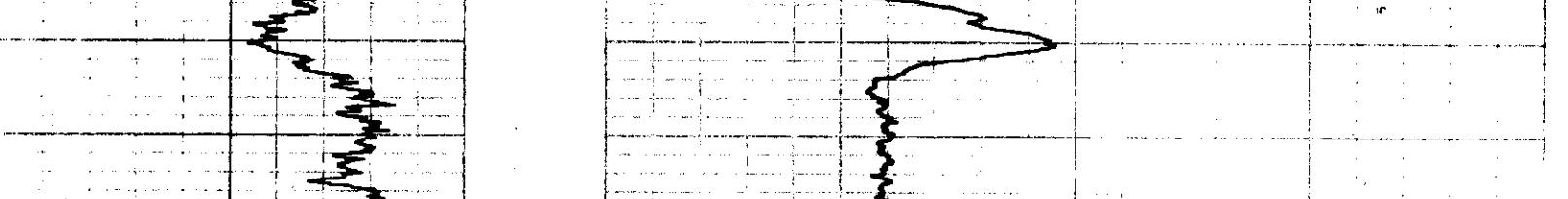
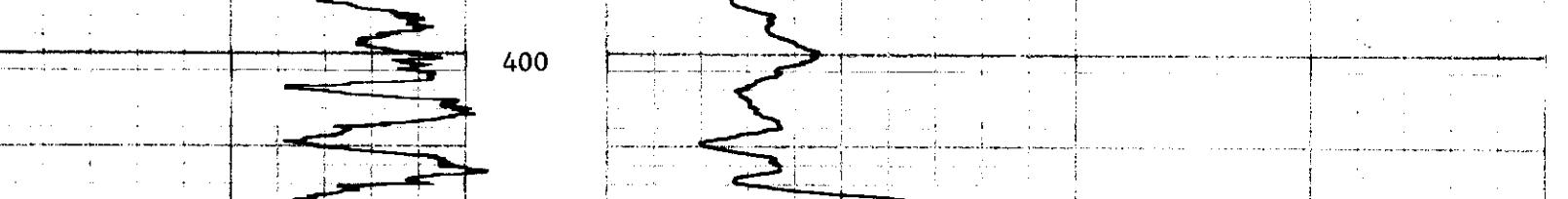
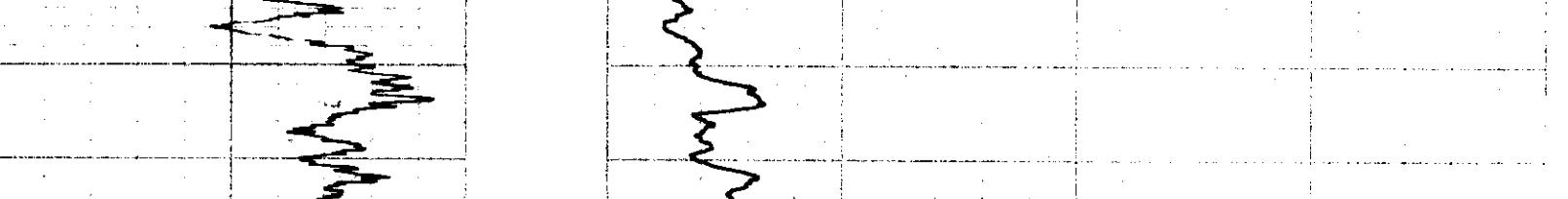
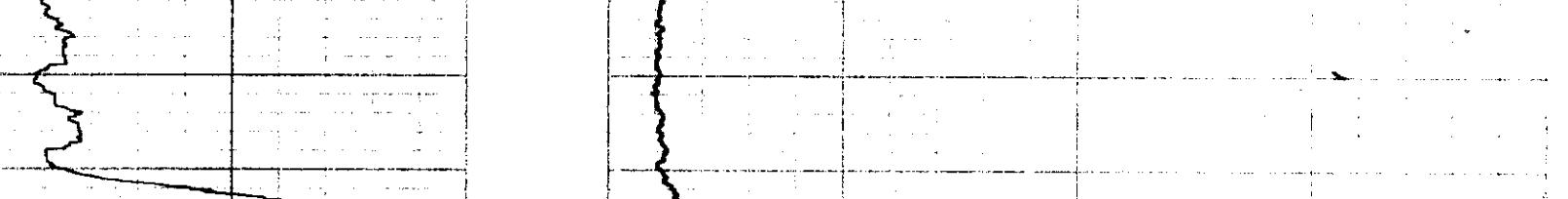
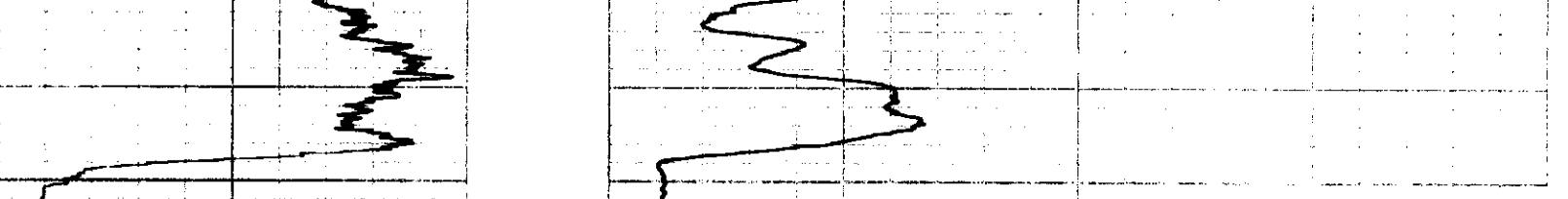
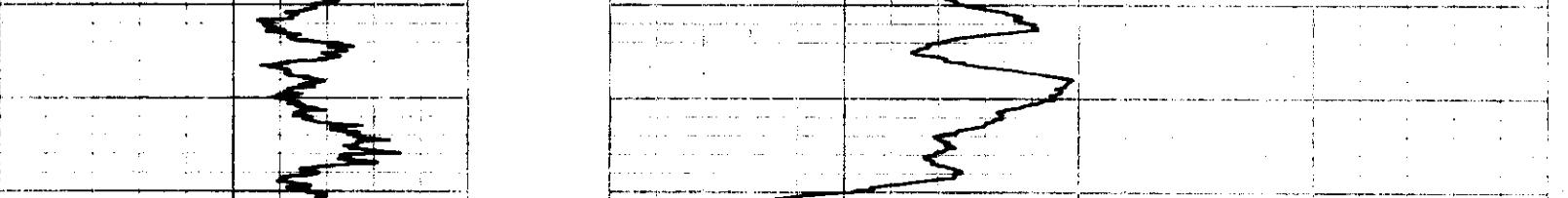
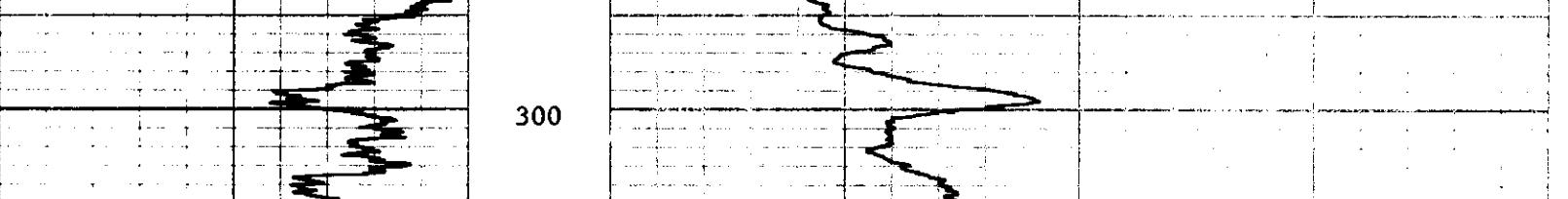
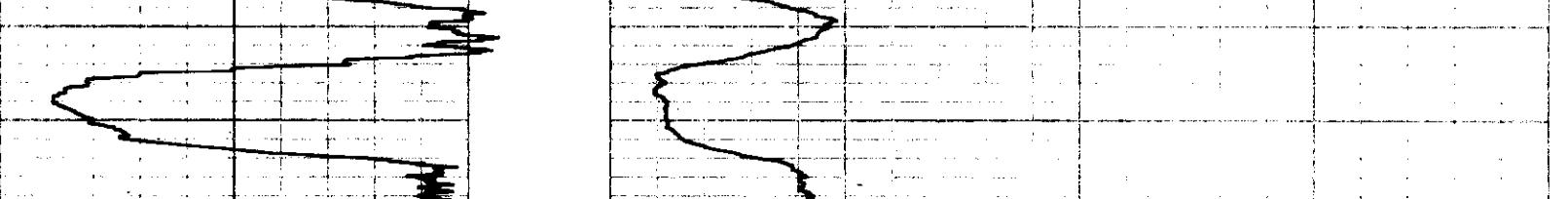
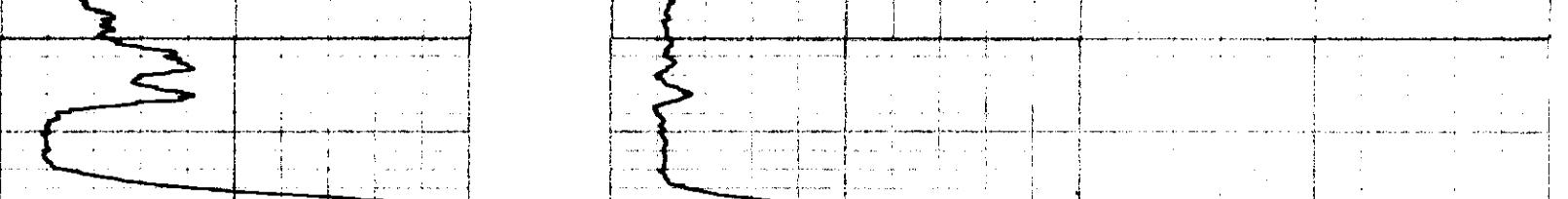
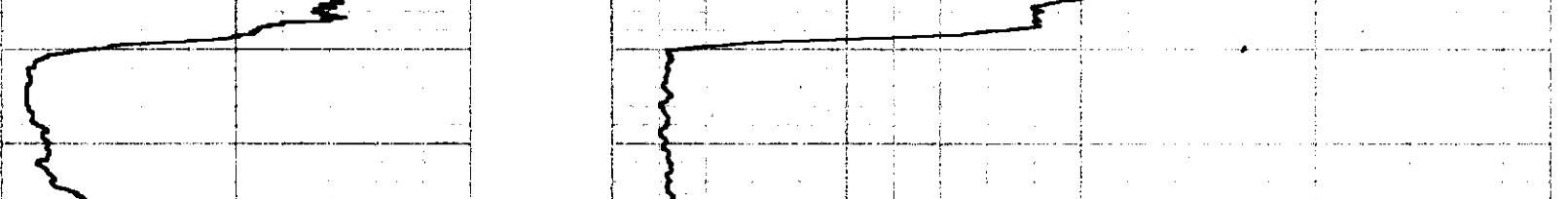
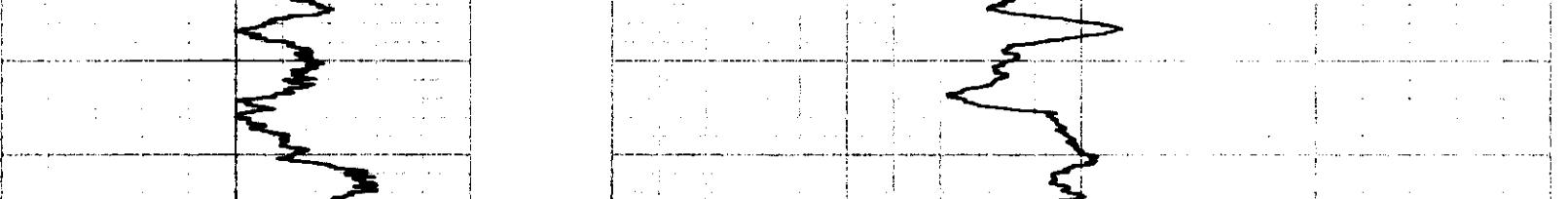
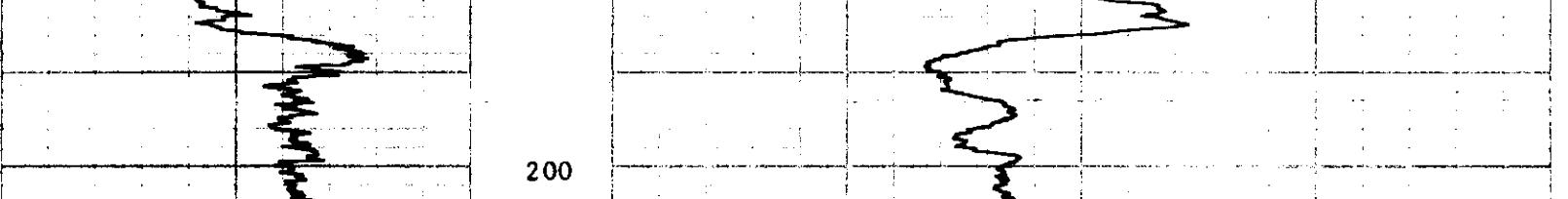
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/16	TOOL MODEL NO.	1 1/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	MRC-N-SS-W
GENERAL		SOURCE MODEL NO.	598
HOIST TRUCK NO.		SERIAL NO.	
INSTRUMENT TRUCK NO.	30	SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
Depth Driller	891	STRENGTH	6.94x10 ⁶ N/S

LOGGING DATA

GENERAL			GAMMA RAY			NEUTRON				
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS
1	0	890	12	5	100	OL	12 API	3	.500	1 CPS

REMARKS



ROKE

SIDEWALL DENSLOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K-
F-
73/3A-1

FILE NO. FORING COAL LTD.
 LSD WELL 228
 SEC W.E.
 TMP REG
 W. LOCATION: TERRIBLE MOUNTAIN

315

FIELD FORING PROVINCE BRITISH COLUMBIA GROUND LEVEL Elev.
 Permanent Drum 1000 ft. Line Measured from RIG FLOOR 2. Fr. Above Per. Drum K.B.
 Win. Depth Measured from RIG FLOOR 3. S.G. C.S.G.

Run. No. ONE Date 18 SEP 73 Other Surveyors

First Reading 880 Last Reading 50

Fracture Logged 350 Depth Reached 885 Depth Drill 891

Caliper 1 1/2 Hole Diameter (Inches) 1 1/2

REMARKS

LOGGING DATA

RUN NO.	DEPTH FT	DEPTH TO FT	SPEED FT/MIN	T.C. SEC	SENS SETTING	ZERO DIV. L OR R	CPS/DIV.
1	50	880	9	3	1000	.7R	-

ROKE

73(3)A-1
ON LOG

RISES LTD. CALGARY, ALBERTA

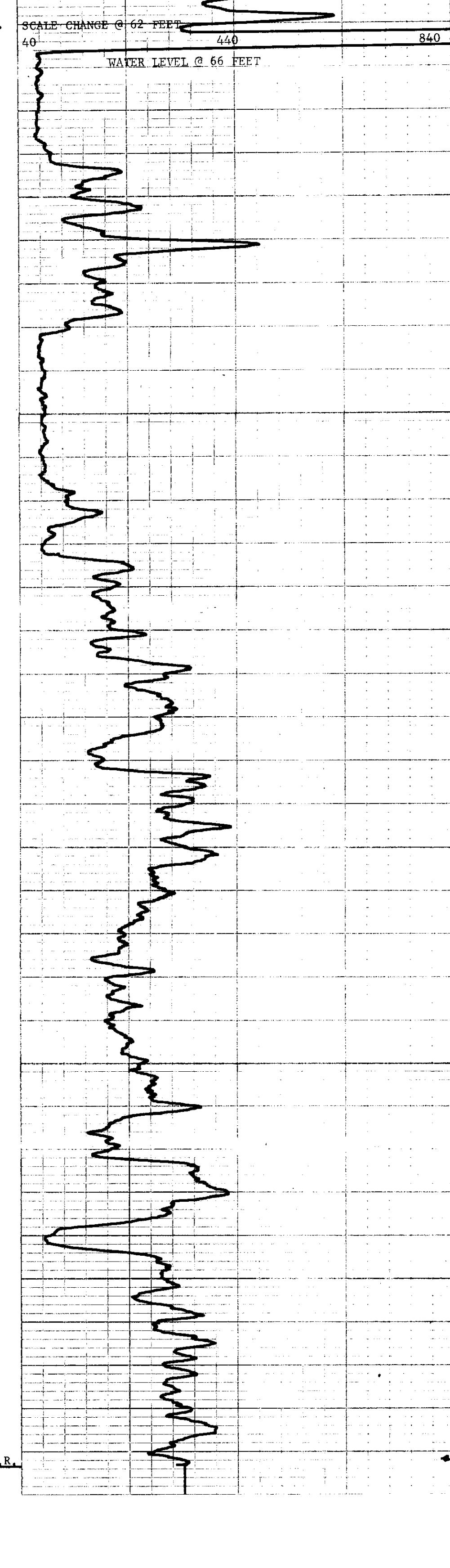
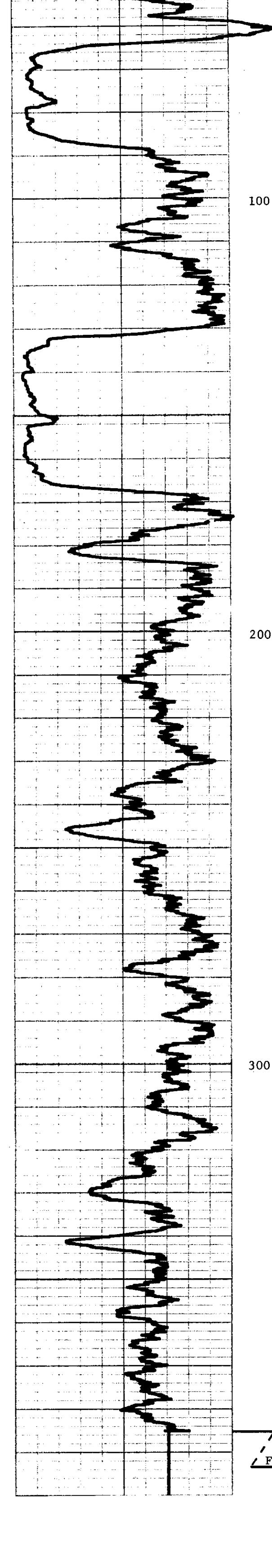
ROKE
 OIL ENTERPRISES LTD. CALGARY, ALBERTA
 GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD	WELL	RH 229	
SEC	LOCATION	TURNBULL MOUNTAIN	
TWP	FIELD	FORDING	
RGE	PROVINCE	BRITISH COLUMBIA	
W	Elev.		
M	K.B.		
	CSG		
	G.L.		
	Other Services:		
Run. No.	ONE		
Date	17 SEPTEMBER 73		
First Reading	393		
Last Reading	0		
Footage Logged	393		
Depth Reached	394		
Depth Driller	394		
Casing Roker			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	66 FEET		
Min. Diam.	4 7/8 INCH		
Rm (°F)			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	PETTERSON	Witnessed By	BERTRAND

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	1 $\frac{11}{16}$
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	598
HOIST TRUCK NO.		SPACING	19 INCH
INSTRUMENT TRUCK NO.	30	TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	6.94×10^6 N/S

LUGGING DATA



ROKE

GAMMA RAY NEUTRON LOG

K - FORTINDE 73(3)P-1

FILE NO. OIL ENTERPRISES LTD.

CALGARY, ALBERTA

FILE NO. COMPANY FORDING COAL LIMITED

LSD

SEC

TWP

RGE

M

W

LOCATION TURNBULL MOUNTAIN

FIELD FORDING

PROVINCE BRITISH COLUMBIA

Elev.

FT. ABOVE PERM. DATUM

K.B.

C.S.G.

G.L.

Other Services

ROKE

RON LOG 73(3)A-1

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 231
SEC	LOCATION	TURNBULL MOUNTAIN
TWP	FIELD	FORDING
RGE	PROVINCE	BRITISH COLUMBIA
W	LOG Measured from	GROUND LEVEL
M	Well Depths Measured from	GROUND LEVEL
	Elev.	Ft. Above Perm. Datum
	K.B.	CSG
	G.L.	
	Other Services:	
Run No.	ONE	
Date	17 SEPT 73	
First Reading	331	
Last Reading	0	
Footage Logged	331	
Depth Reached	332	
Depth Drill		
Casing Rake		
Casing Drill		
Fluid Type	AIR/WATER	
Liquid Level	9 9 FEET	
Min. Diam.	4 7/8 INCH	
Rm @ 0F		
Operating Time	2 HOURS	
Truck No.	30	

3/5

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.	GEIGER	DIAMETER	1 $\frac{11}{16}$
TYPE	18 INCH	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	8.55 FT.	TYPE	6 INCH
DISTANCE TO N. SOURCE		LENGTH	
		SOURCE MODEL NO.	MRC-N-SS-W
		SERIAL NO.	598
		SPACING	19 INCH
		TYPE	AmBe
GENERAL		STRENGTH	6.94 $\times 10^6$ N/S
HOIST TRUCK NO.	30		
INSTRUMENT TRUCK NO.	CGN27114A65		
TOOL SERIAL NO.			

LUGGING DATA

GAMMA RAY	DEPTH	NEUTRON
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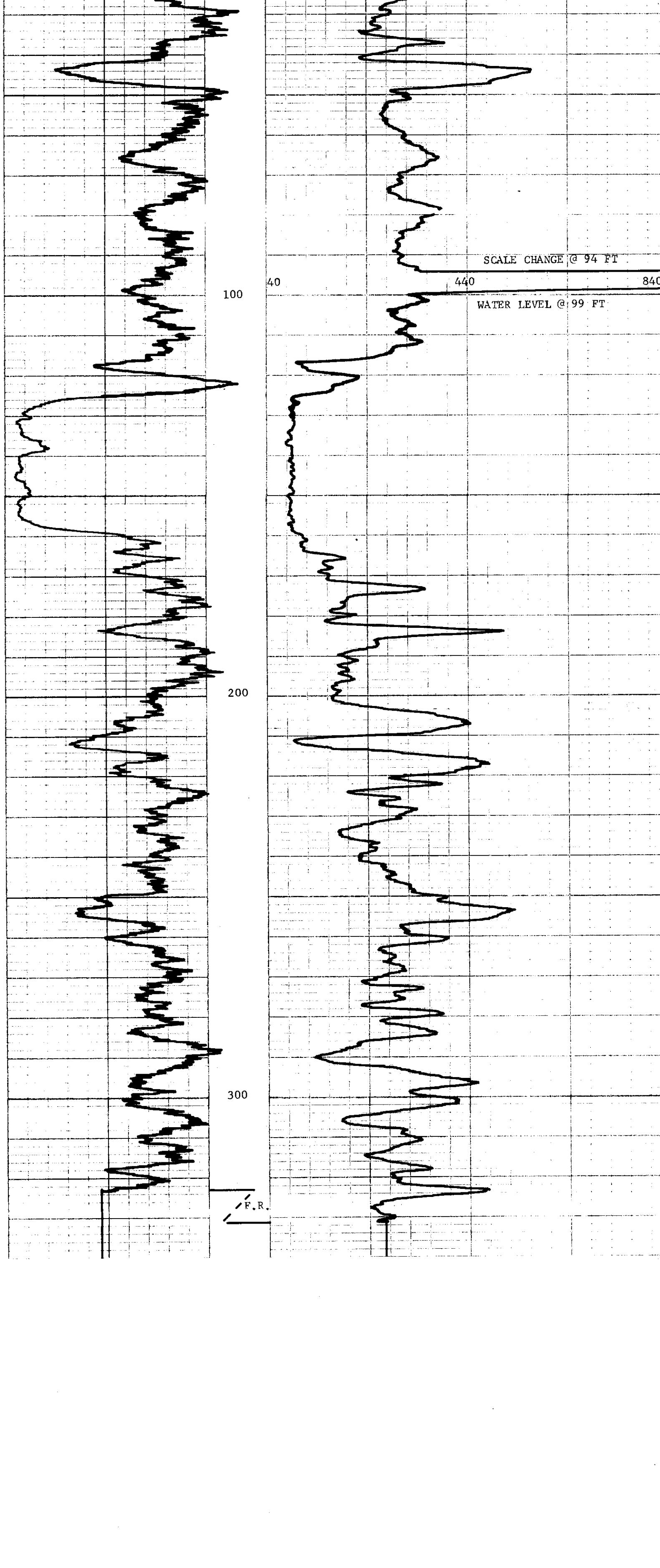
GAMMA RAY INCREASES →

NEUTRON INCREASES →

00

1000 1000 1000 1000 1000 1000 1000 1000 1000 1000

1000 1000



ROKE

GAMMA RAY NEUTRON LOG 73(3)A-1

ENTERPRISES LTD., CALGARY, ALBERTA

FILE NO.		COMPANY	FORDING COAL LIMITED
LSD	SEC	WELL	RH 232
TWP			
RGE		LOCATION	TURNBULL MOUNTAIN
W	M	FIELD	FORDING
		PROVINCE	BRITISH COLUMBIA
Permanent Datum		GROUND LEVEL	Elev. _____ ft. Above Perm. Datum
Log Measured from		GROUND LEVEL	
Well Depths Measured from		GROUND LEVEL	
Run No.	ONE	Other Services:	
Date	17 SEPTEMBER 73	-	
First Reading	252	K.B.	
Last Reading	0	CSG	
Footage Logged	252	G.L.	
Depth Reached	253		
Depth Drilled			
Casing Roke			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	60 FEET		
Min. Driln.	4 7/8 INCH		
Rm. Temp. °F			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	PETERSON	Witnessed By	BERTRAND

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	1 $\frac{11}{16}$
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL

LENG

GENERAL		SOURCE MODEL NO.		MRC-N-SS-W							
HOIST TRUCK NO.	30	SERIAL NO.	598								
INSTRUMENT TRUCK NO.		SPACING	19 INCH								
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe								
		STRENGTH	6.94×10^6 N/S								
LOGGING DATA											
GENERAL			GAMMA RAY			NEUTRON					
RUN NO	DEPTHs		SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T. C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
	FROM	TO									
1	0	56	12	5	100	0L	10	3	1000	10L	80 CPS
	56	252	12	5	100	0L	10	3	500	1L	40 CPS
REMARKS											

GAMMA RAY INCREASES

NEUTRON INCREASES

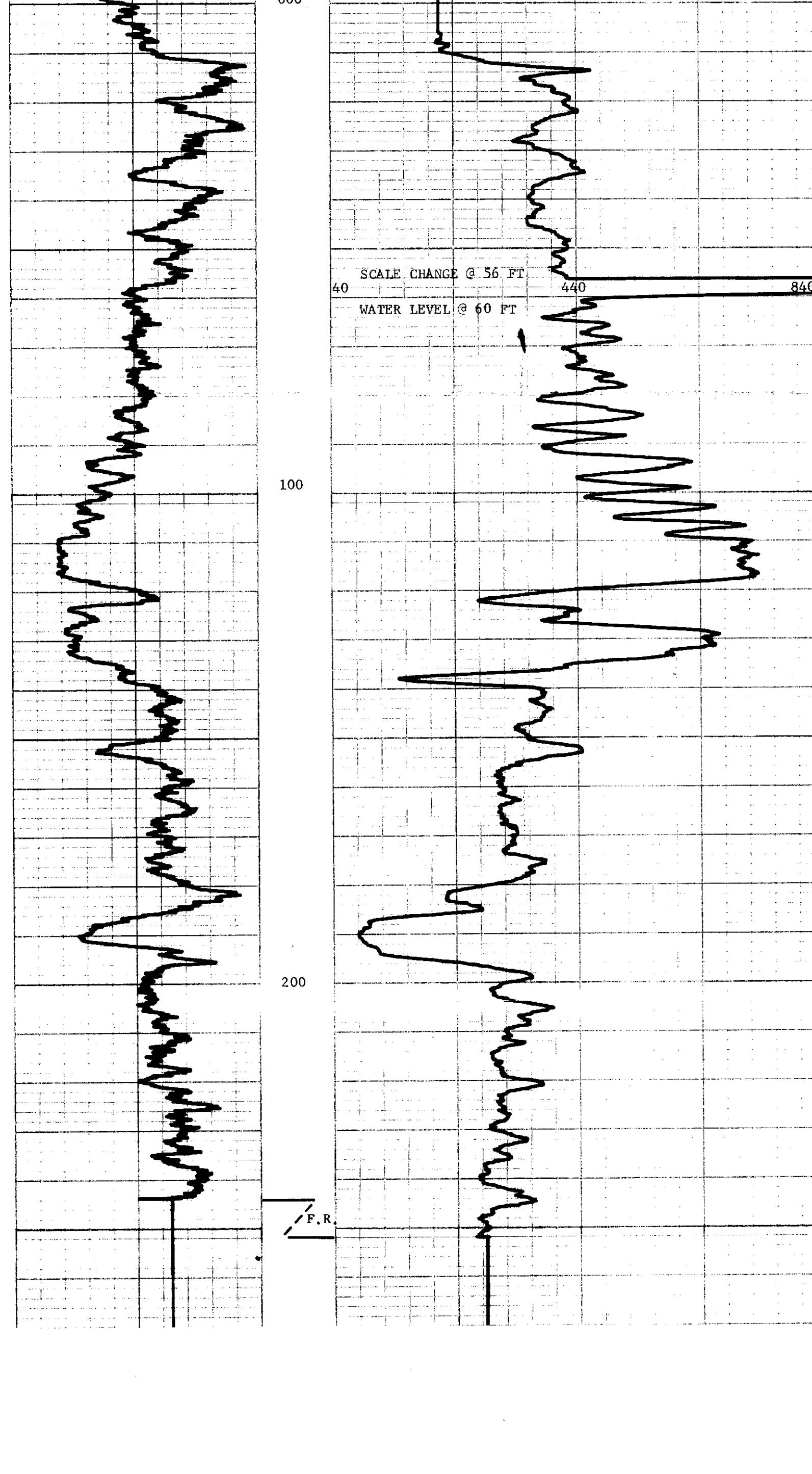
API

CPS

0 100

800 1600 2400

S



ROKE

RAY NEUTRON LOG

FILE NO.		COMPANY	OIL ENTERPRISES LTD. CALGARY, ALBERTA
LSD	SEC	FORDING COAL LIMITED	
TWP		WELL	RH 233
RGE		LOCATION	TURNBULL MOUNTAIN
W	M	FIELD	FORDING
PROVINCE		BRITISH COLUMBIA	
Permanent Datum		GROUND LEVEL	
Log Measured from		GROUND LEVEL	
Well Depth's Measured from		GROUND LEVEL	
Run. No.		ONE	Other Services:
Date		19 SEPT 73	-
First Reading		403	Elev.
Last Reading		0	Ft. Above Perm. Datum
Footage Logged		403	K.B.
Depth Reached		404	CSG
Depth Driller		400	G.L.
Casing Roker			
Casing Driller			
Fluid Type		AIR/WATER	
Liquid Level		107 FEET	
Min. Diam.		4 7/8 INCH	
Rm @ 0° F			
Operating Time		2 HOURS	
Truck No.		30	
Recorded By		PETERSON	Witnessed By
		BERTRAND	

GAMMA RAY NEUTRON LOG

315

LOGGING DAT

10.000-15.000 m²

GAMMA RAY

NEUTRON

DEPTHS

GAMMA RAY INCREASES →

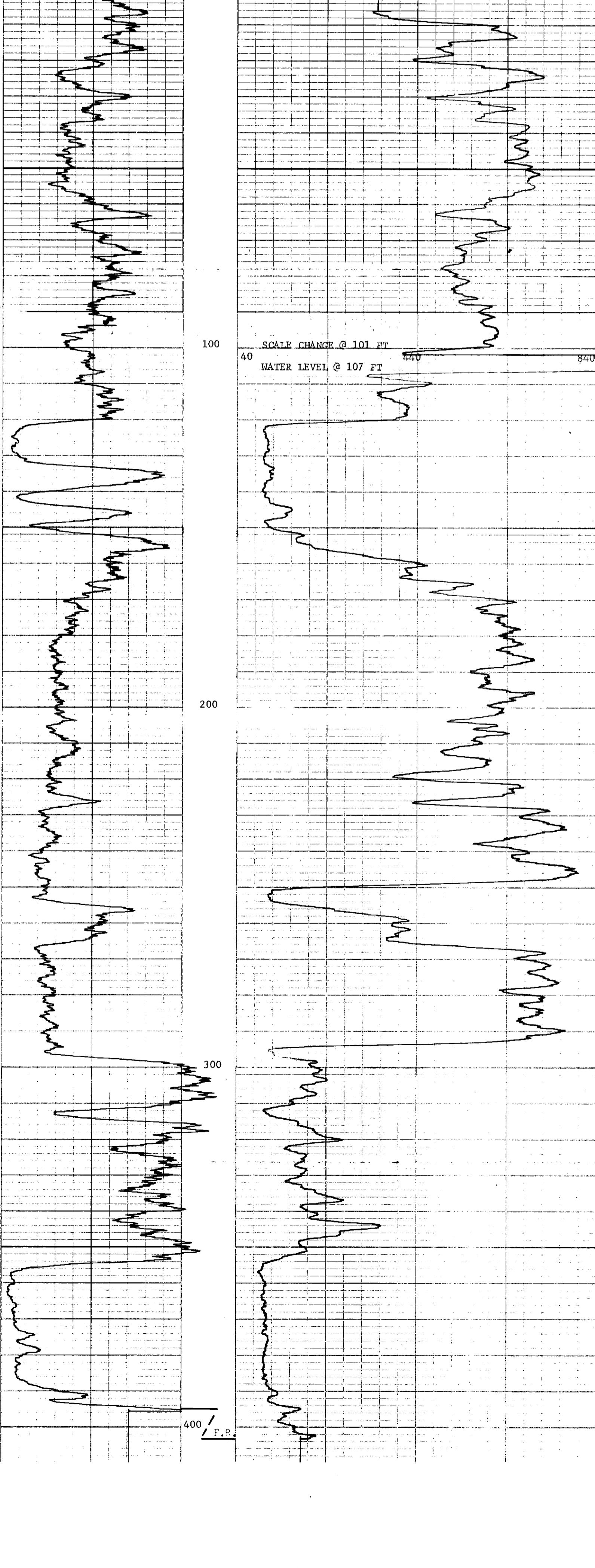
NEUTRON INCREASES →

API

CPS

0 10 100

800 1600 2400



ROKE

GAMMA RAY NEUTRON LOG
73C34-1

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. LSD
COMPANY FORDING COAL LIMITED

SEC
TWP
RGE

W
M

L

WELL

ROKEK - FORDING 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD	SEC	WELL	
TWP	RGE	RH 235	
W	M	LOCATION	
TORNILLI MOUNTAIN			
PROVINCE	BRITISH COLUMBIA	Elev.	
Permanent Datum	GROUND LEVEL	ft. Above Perm. Datum	
Log Measured from GROUND LEVEL			
Well Depths Measured from			
Run. No.	ONE	Other Services:	
Date	12 OCTOBER 73	K.B.	
First Reading	468	CSG	
Last Reading	0	G.L.	
Footage Logged	468		
Depth Reached	468		
Depth Driller			
Casing Brake			
Casing Driller			
Fluid Type	WATER		
Liquid Level	198 FEET		
Min. Diam.	4 1/2 INCH		
Rm @ OF	-		
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPIN

315

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
	GENERAL	SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA

RUN NO.	GENERAL		GAMMA RAY				NEUTRON				
	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	198	11	5	100	0L	10 API	3	1000	6 L	80 CPS
	198	468	11	5	100	0L	10 API	3	500	1 L	40 CPS

REMARKS

GAMMA RAY**NEUTRON**

GAMMA RAY INCREASES →

NEUTRON INCREASES →

APT 10

CPS 80

100

480

2080

000

50

100

150

200

250

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

1200

1250

1300

1350

1400

1450

1500

1550

1600

1650

1700

1750

1800

1850

1900

1950

2000

2050

2100

2150

2200

2250

2300

2350

2400

2450

2500

2550

2600

2650

2700

2750

2800

2850

2900

2950

3000

3050

3100

3150

3200

3250

3300

3350

3400

3450

3500

3550

3600

3650

3700

3750

3800

3850

3900

3950

4000

4050

4100

4150

4200

4250

4300

4350

4400

4450

4500

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4750

4800

4850

4900

4950

5000

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5100

5150

5200

5250

5300

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5600

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5700

5750

5800

5850

5900

5950

6000

6050

6100

6150

6200

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6550

6600

6650

6700

6750

6800

6850

6900

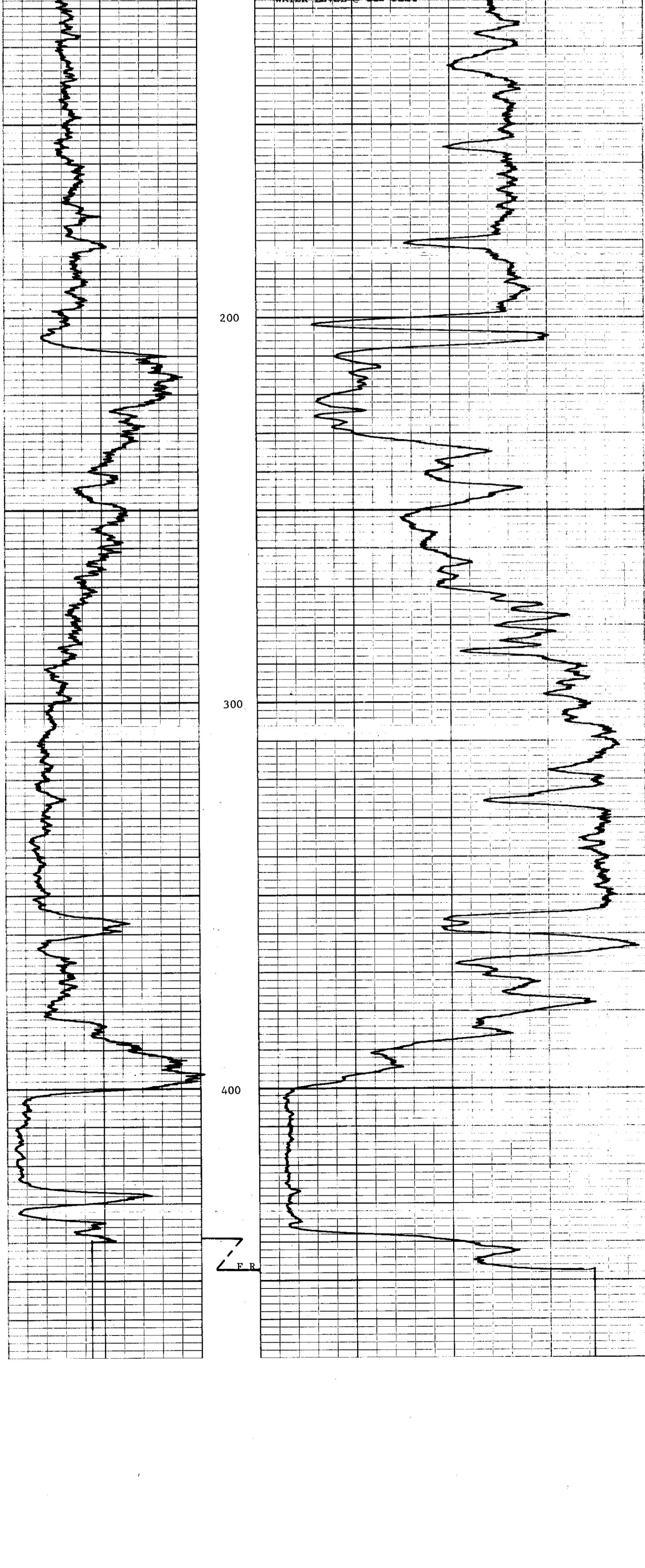
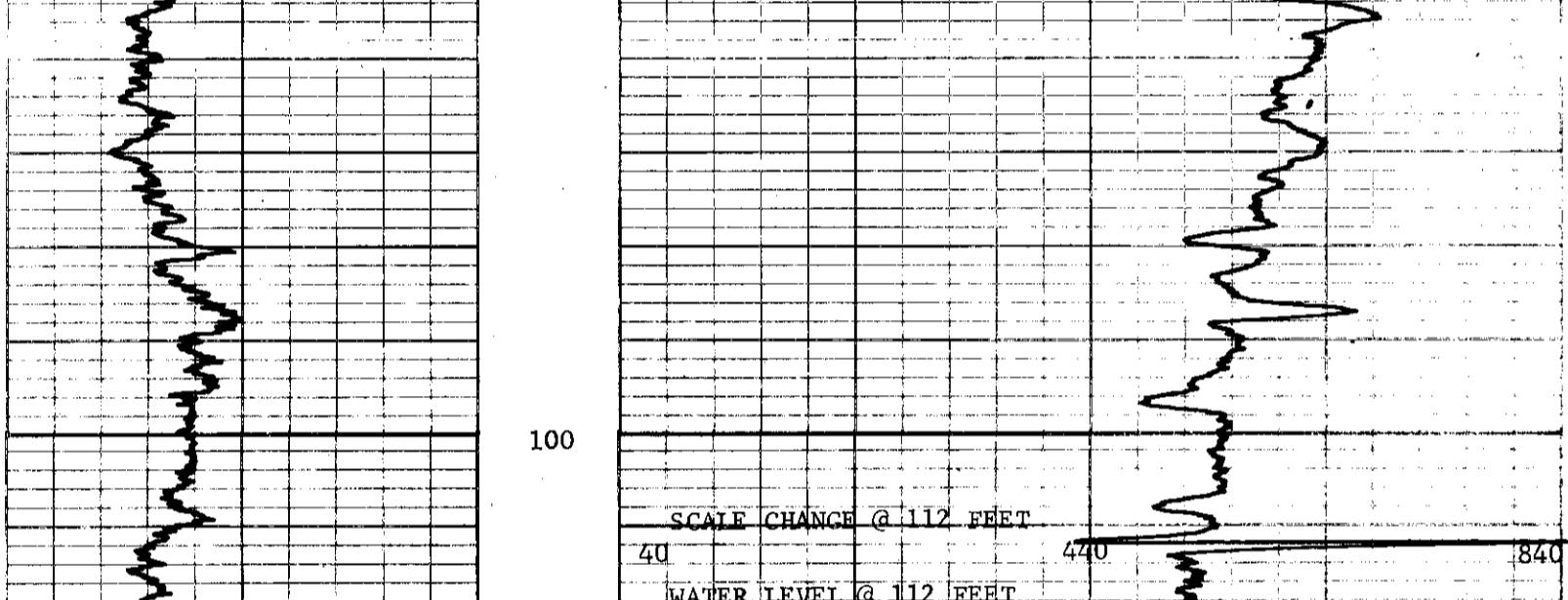
ROKEGAMMA RAY NEUTRON LOG
K-fording 73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 236
SEC		
TWP		
RGE		
W	M	
LOCATION	TORNELL MOUNTAIN	
FIELD	FORDING	
PROVINCE	BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Elev. Ft. Above Perm. Datum
Log Measured from	GROUND LEVEL	
Well Depth Measured from		
Other Services:		
K.B.		
CSG		
G.L.		

315

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA		GAMMA RAY		NEUTRON							
RUN NO.	GENERAL		SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS		
	DEPTH	FROM	TO	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	112	11	5	100	OL	10 API	3	1000	6 L	80 CPS
	112	447	11	5	100	OL	10 API	3	500	1 L	40 CPS



ROKE

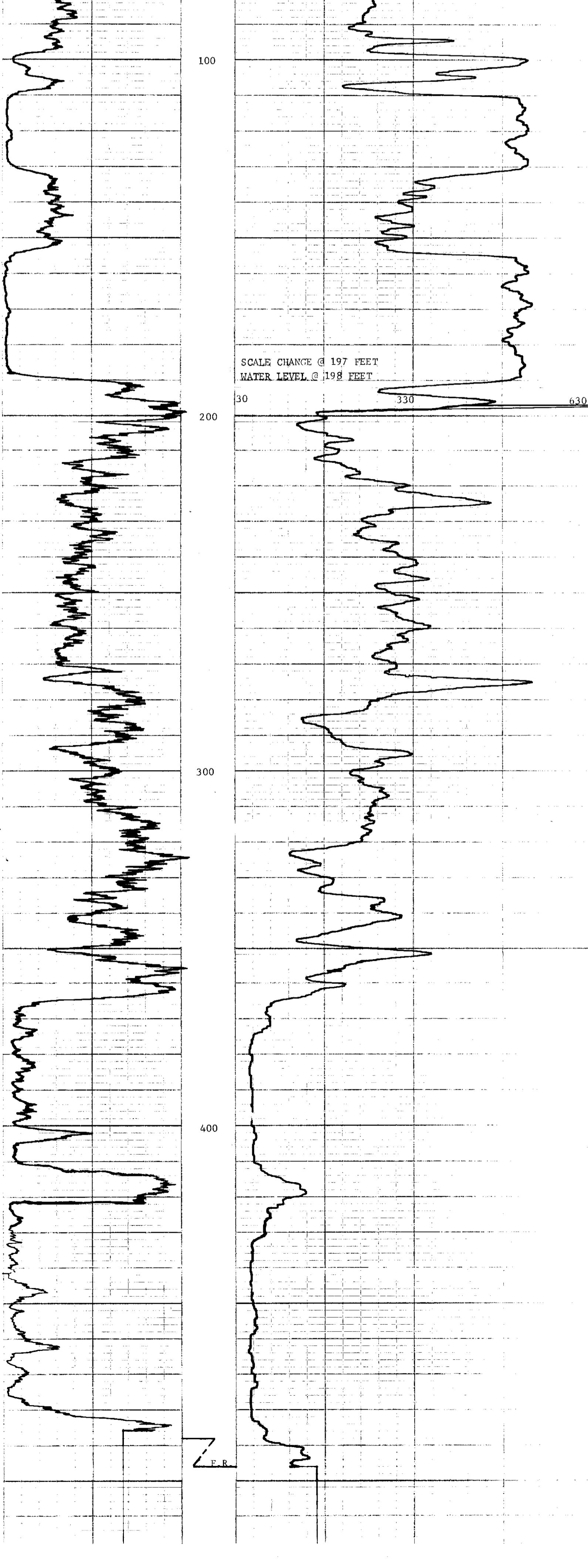
.00	O.L.
.00	O.L.

REMARKS

GAMMA RAY	DEPTH	NEUTRON
GAMMA RAY INCREASES		NEUTRON INCREASES
0 CPS 14	360	60 CPS 960
140		1560
000		

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— 1 —



ROKEGAMMA RAY NEUTRON LOG
K-FORDING 23(3)A-1

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	SEC	
TWP	WELL	RH 238
RGE	LOCATION	TORNBULL MOUNTAIN
W M	FIELD	FORDING
PROVINCE BRITISH COLUMBIA		
Permanent Datum GROUND LEVEL Elev. _____		
Log Measured from GROUND LEVEL Ft. Above Perm Datum		
Well Depths Measured from G.L.		
Other Services		
Run. No.	ONE	
Date	12 OCTOBER 73	
First Reading	479	
Last Reading	0	
Footage Logged	479	
Depth Reached	479	
Depth Drilled		
Casing Rroke		
Casing Driller		
Fluid Type	WATER	
Liquid Level	192 FEET	
Min. Diam.	4 1/2 INCH	
Rm @ 0°F		
Operating Time	2 HOURS	
Truck No.	30	
Recorded By	JOHNSON	Witnessed By TAPLIN

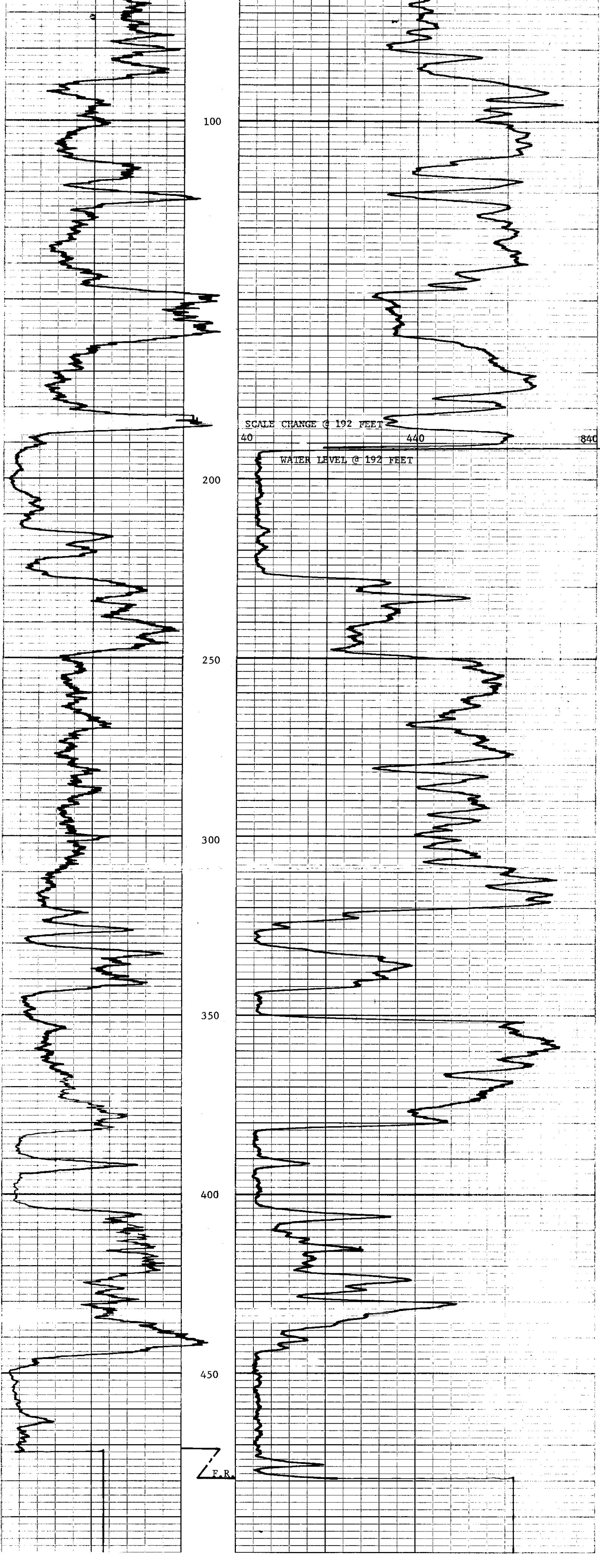
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA

RUN NO.	GENERAL			GAMMA RAY				NEUTRON			
	DEPTH(S)	FROM	TO	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS
1	0	192	11	5	100	OL	10 API	3	1000	6 L	80 CPS
	192	479	11	5	100	OL	10 API	3	500	1 L	40 CPS

REMARKS



ROKEGAMMA RAY NEUTRON LOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K-forest-73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD SEC	WELL	RH 239	
TWP RGE	LOCATION	TORNBULL MOUNTAIN	
W M	FIELD	FORDING	
PROVINCE		BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Elev. _____ ft. Above Perm. Datum	
Log Measured from GROUND LEVEL.		K.B. OSG G.L.	
Well Depths Measured from			
Other Services:			
Run No.	ONE		
Date	11 OCTOBER 73		
First Reading	428		
Last Reading	0		
Footage Logged	428		
Depth Reached	428		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	125 FEET		
Min. Diam.	4 1/2 INCH		
Rm @ 0°F			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPLIN

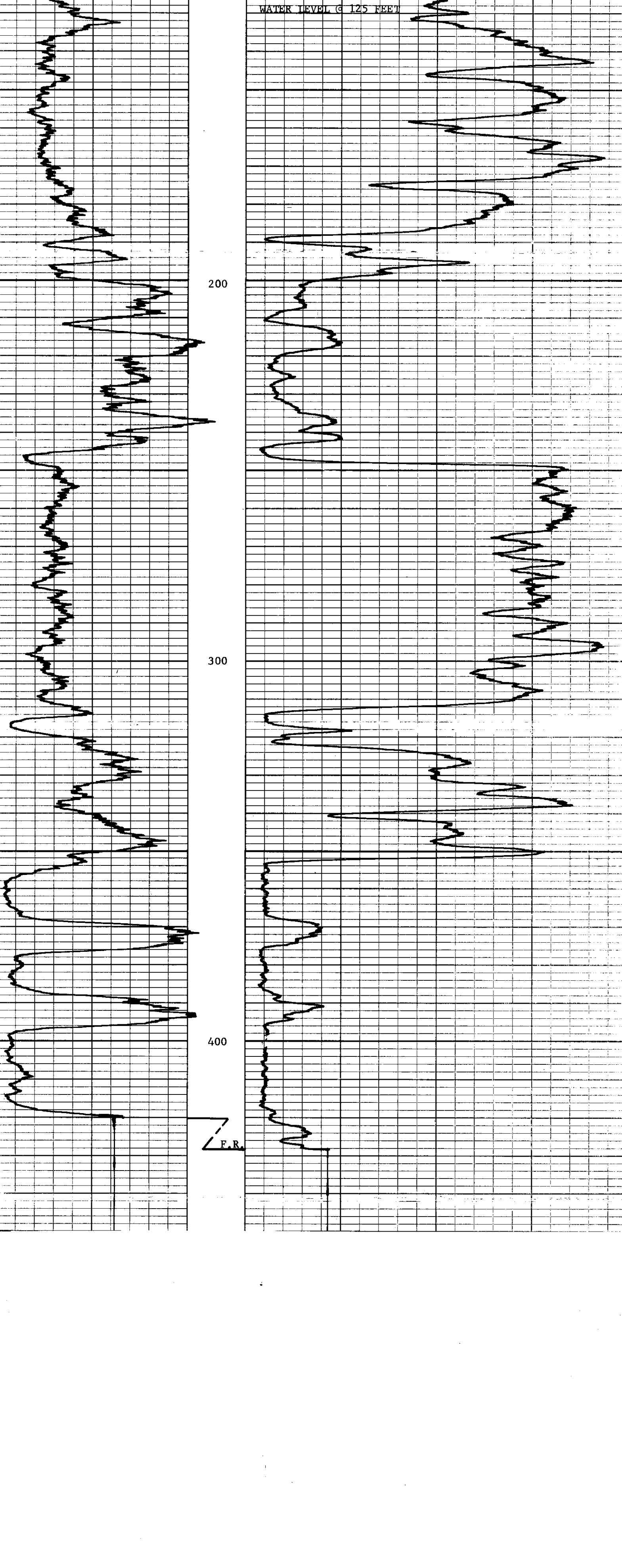
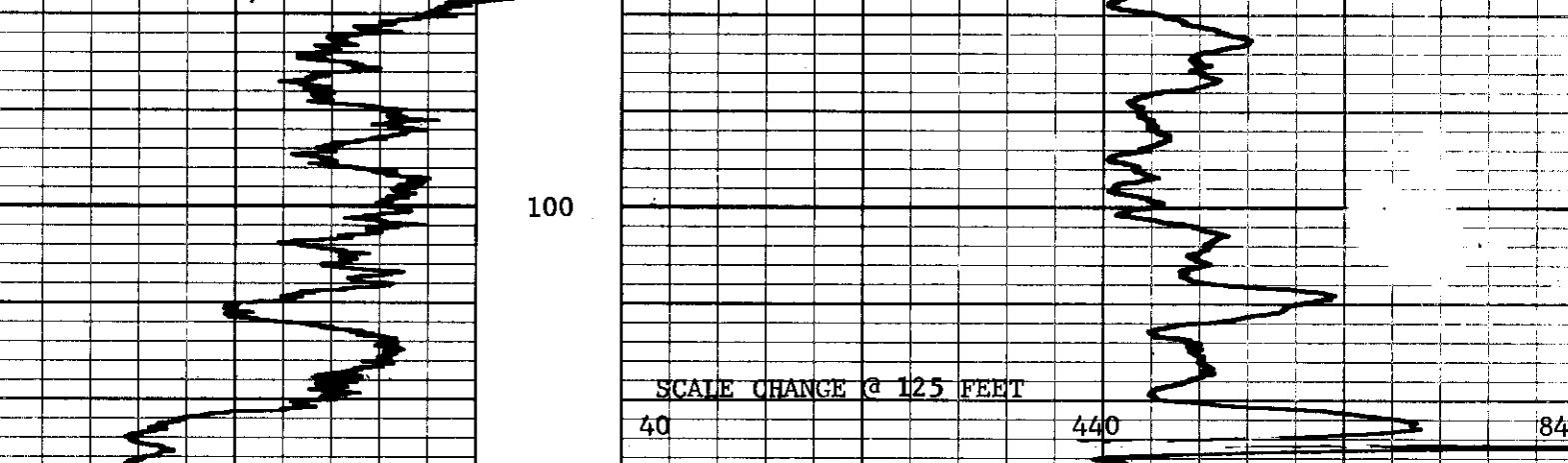
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	125	11	5	100	OL	10 API	3	1000	6 L	80 CPS
	125	428	11	5	100	OL	10 API	3	500	1 L	40 CPS

REMARKS



ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

K - FORGEING 73(3)P-1

315

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD SEC TWP RGE	WELL	RH 240	
W M	LOCATION	TORNBULL MOUNTAIN	
	FIELD	FORDING	
Permanent Datum	GROUND LEVEL	Elev.	
Log Measured from	GROUND LEVEL	ft. Above Perm. Datum	
Well Depths Measured from			
PROVINCE	BRITISH COLUMBIA		
		K.B. CSG G.L.	
Run. No.	ONE	Other Services.	
Date	11 OCTOBER 73		
First Reading	241		
Last Reading	0		
Footage Logged	241		
Depth Reached	241		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	66 FEET		
Min. Diam.	4 1/2 INCH		
Rm @ 0F			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPLIN

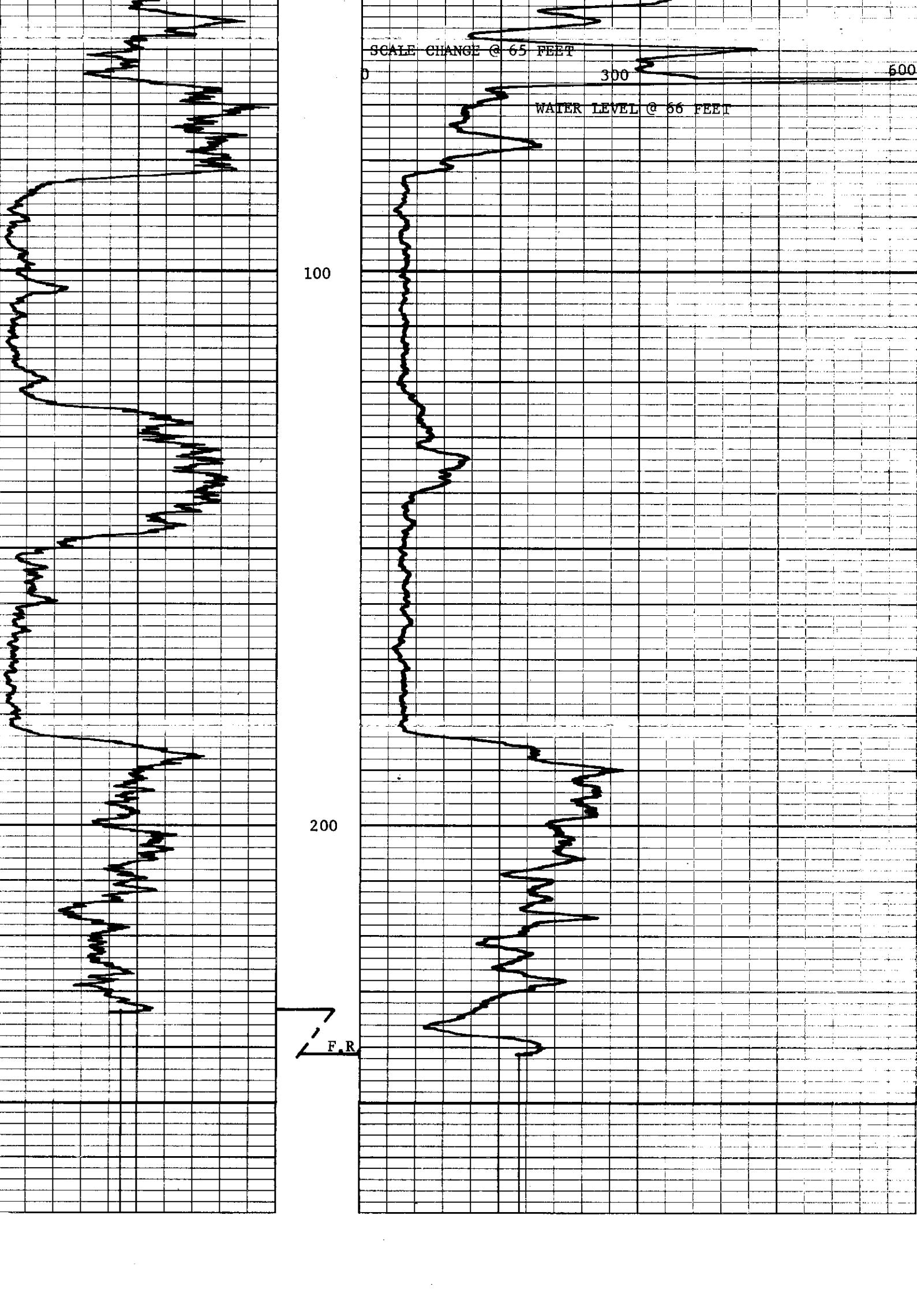
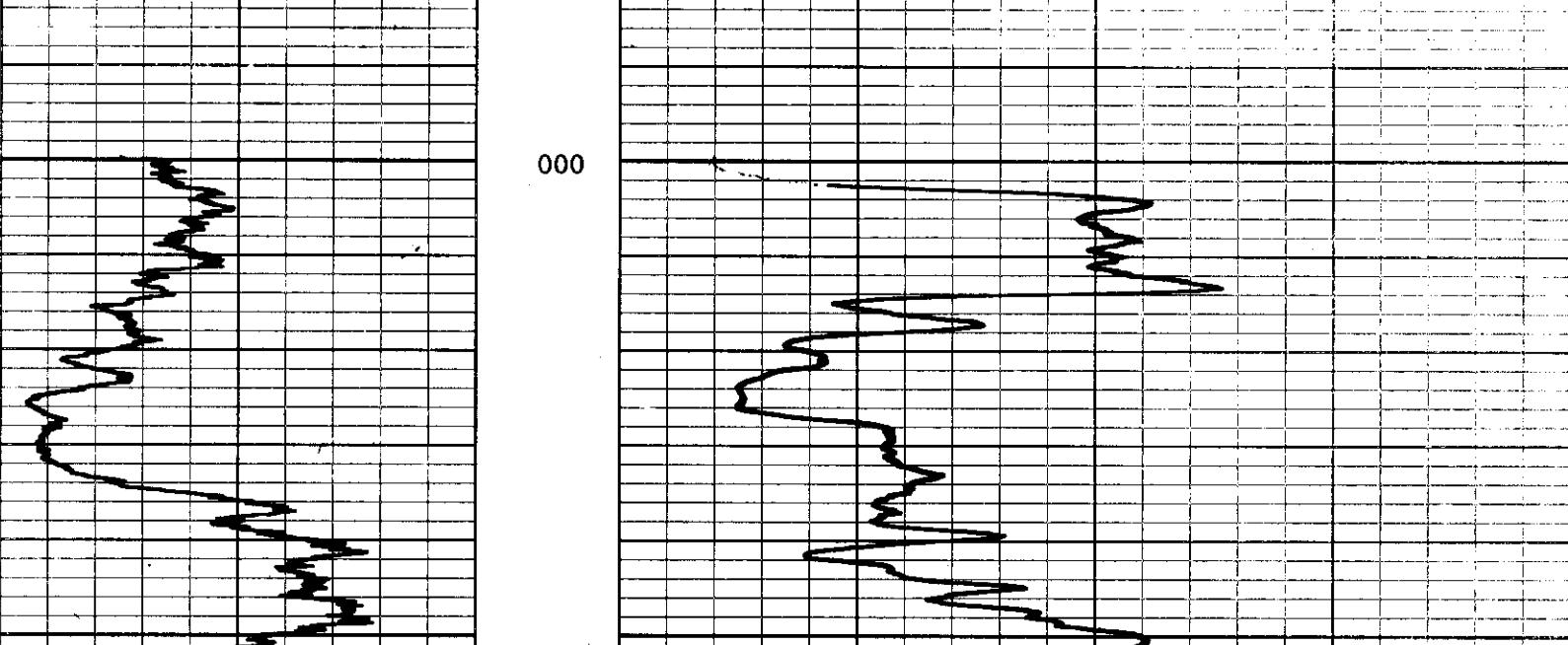
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27UAA65	STRENGTH	3 CURIE

LOGGING DATA

RUN NO.	GENERAL		GAMMA RAY				NEUTRON					
	DEPTH	FROM	TO	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS
1	0	65	11	5	100	OL	8 API	3	1000	OL	60 CPS	
	65	241	11	5	100	OL	8 API	3	500	OL	30 CPS	

REMARKS LOGGED THROUGH DOUBLE WALL STEM



ROKE

GAMMA RAY NEUTRON LOG
K - Forecast - 73(3)A-1

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 241
SEC		
TWP		
RGE	LOCATION	TORNBULL MOUNTAIN
W	FIELD	FORDING
M		

315

Other Services:

PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL
LOG Measured from	GROUND LEVEL
Well Depths Measured from	
Elev.	
K.B.	
CSG	
G.L.	

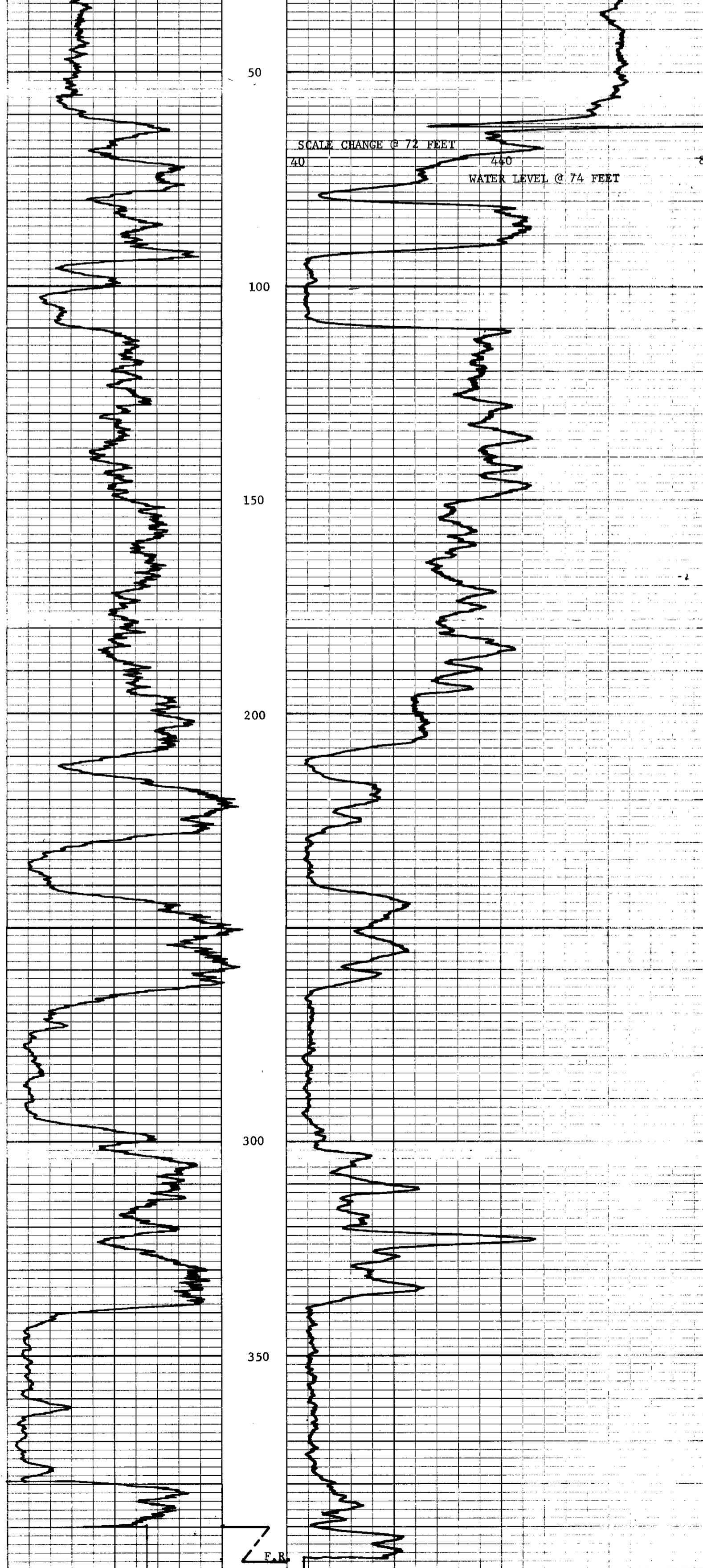
EQUIPMENT DATA

GAMMA, RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	1 $\frac{11}{16}$
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	MRC-N-SS-W
		SOURCE MODEL NO.	50
GENERAL		SERIAL NO.	19 INCH
HOIST TRUCK NO.	30	SPACING	AmBe
INSTRUMENT TRUCK NO.		TYPE	3 CURRIE
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	

LOGGING DATA

GENERAL			GAMMA RAY						NEUTRON					
RUN NO.	DEPTH(S)	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS	DEPTH(S)			
	FROM	TO	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.				
1	0	74	11	5	100	0L	10 API	3	1000	6 L	80 CPS			
	74	398	11	5	100	0L	10 API	3	500	1 L	40 CPS			

REMARKS *



Recorded By	JOHNSON	Witnessed By	TAPLIN
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ROKE

K. Fording - 23(3A-)
GAMMA RAY NEUTRON LOG

FILE NO	COMPANY	OIL ENTERPRISES LTD.	CALGARY, ALBERTA
LSD			
SEC			
TWP	WELL	RH 242	
RGE			
W	M	LOCATION	TURNBULL MT.
		FIELD	FORDING
PROVINCE BRITISH COLUMBIA			
Permanent Datum GROUND LEVEL ELEV.			
Log Measured from GROUND LEVEL Ft. Above Perm. Datum			
Well Depths Measured from			
Other Services			
Run No.	ONE		
Date	9 NOVEMBER 73		
First Reading	226		
Footage Logged	226		
Depth Reached	226		
Depth Driller	233		
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	142 FEET		
Min. Diam.	4 1/2 INCH		
Operating Time	1 1/2 HOURS		
Truck No.	31		
Recorded By	JOHNSON	Witnessed By TAPLIN	

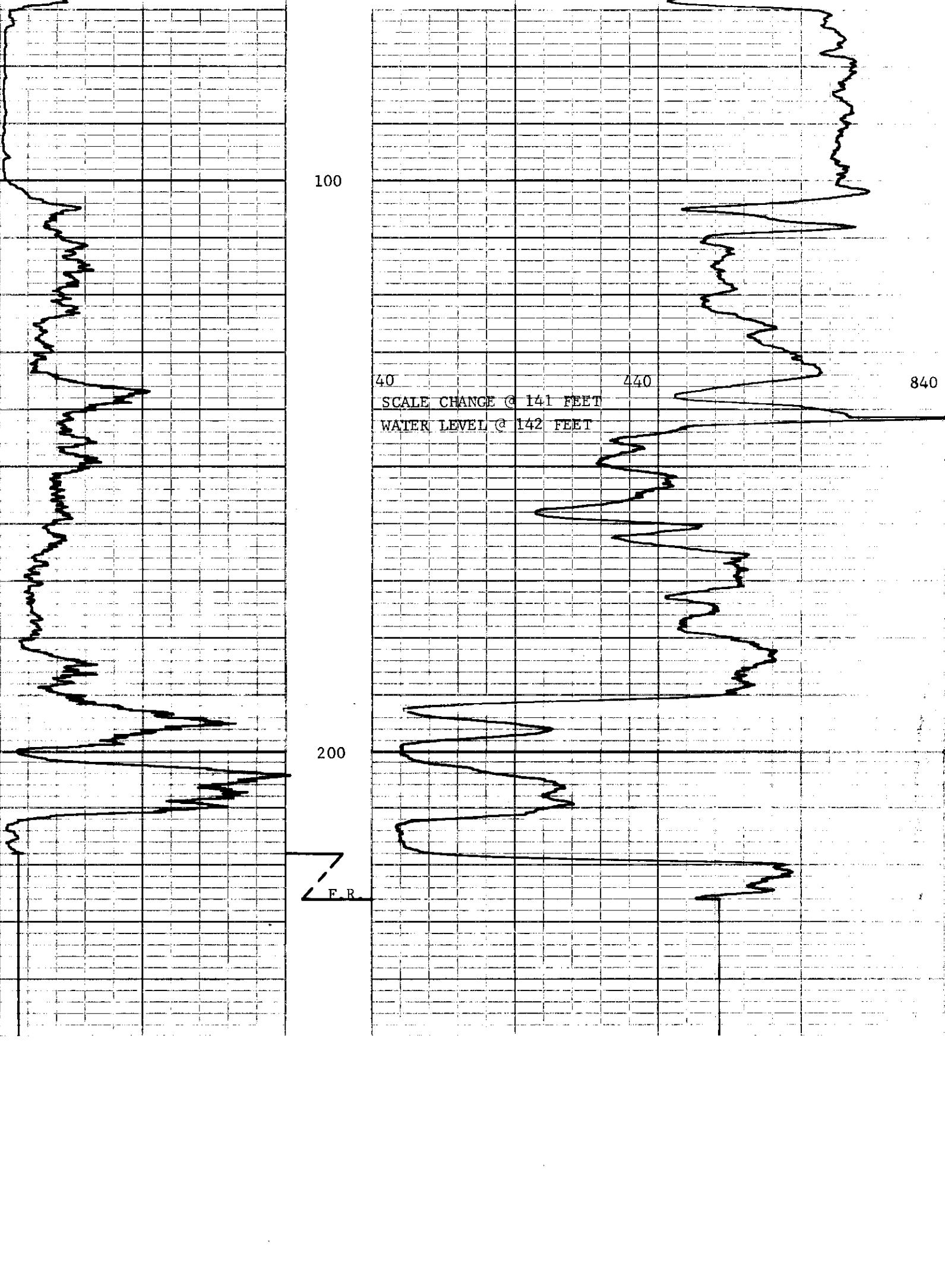
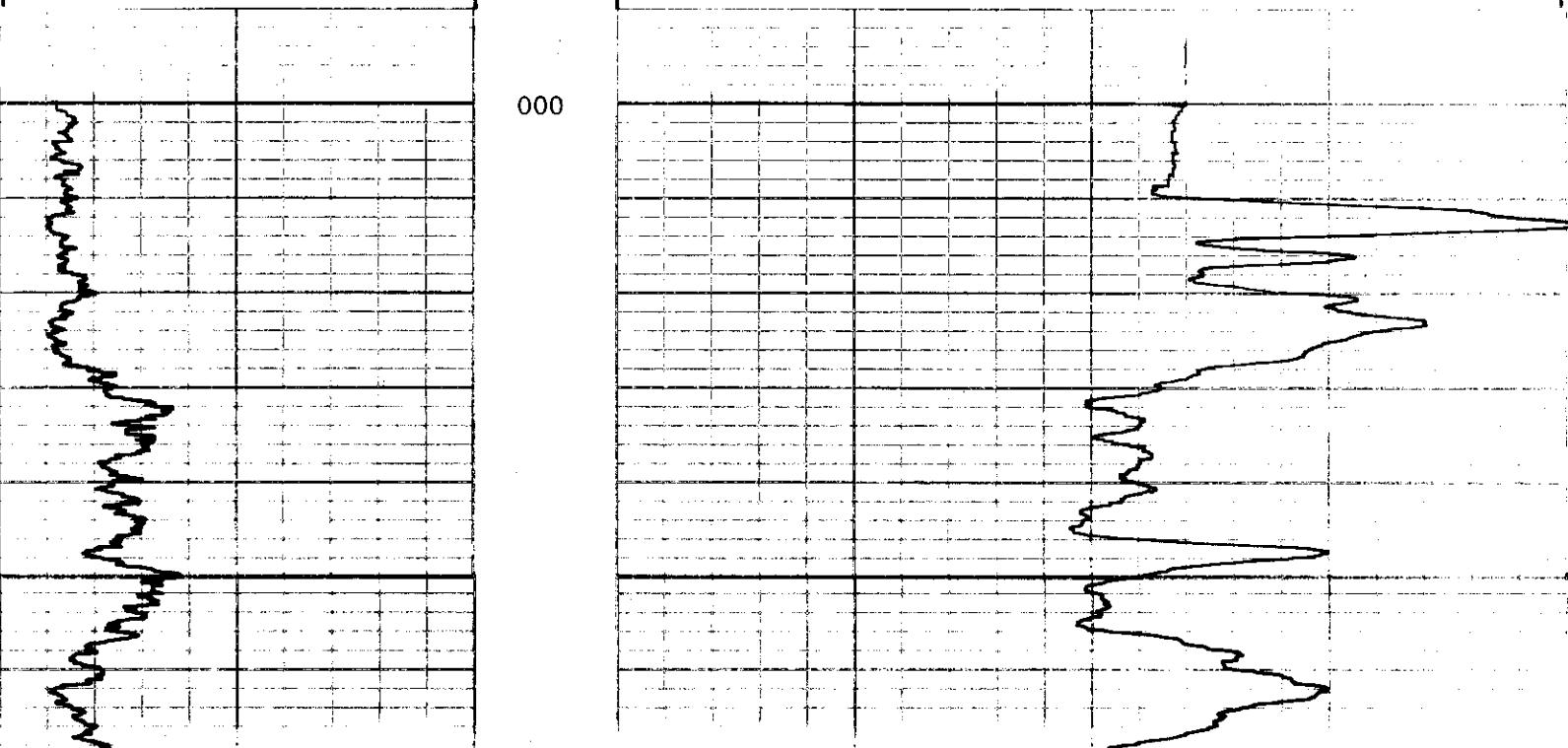
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	31	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA

RUN NO.	DEPTH		SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS
	FROM	TO									
1	0	141	12	3	100	0.L.	10 CPS	3	1000	1 L	80 CPS
	141	226	12	3	100	0.L.	10 CPS	3	500	1 L	40 CPS
			*								

REMARKS



ROKE

GAMMA RAY NEUTRON LOG

K - FORDING 73(3)A-1

FILE NO 1 SD SEC TWP RGE W M	COMPANY FORDING COAL LTD WELL RH 243	OIL ENTERPRISES LTD. CALGARY, ALBERTA
315		
PROVINCE BRITISH COLUMBIA		
Perf. Point Datum GROUND LEVEL		
Last Measured from FIELD FORDING		
W. Depth Measured from Other Services		
Ft Above Perf. Datum K.B. CSG G.L.		

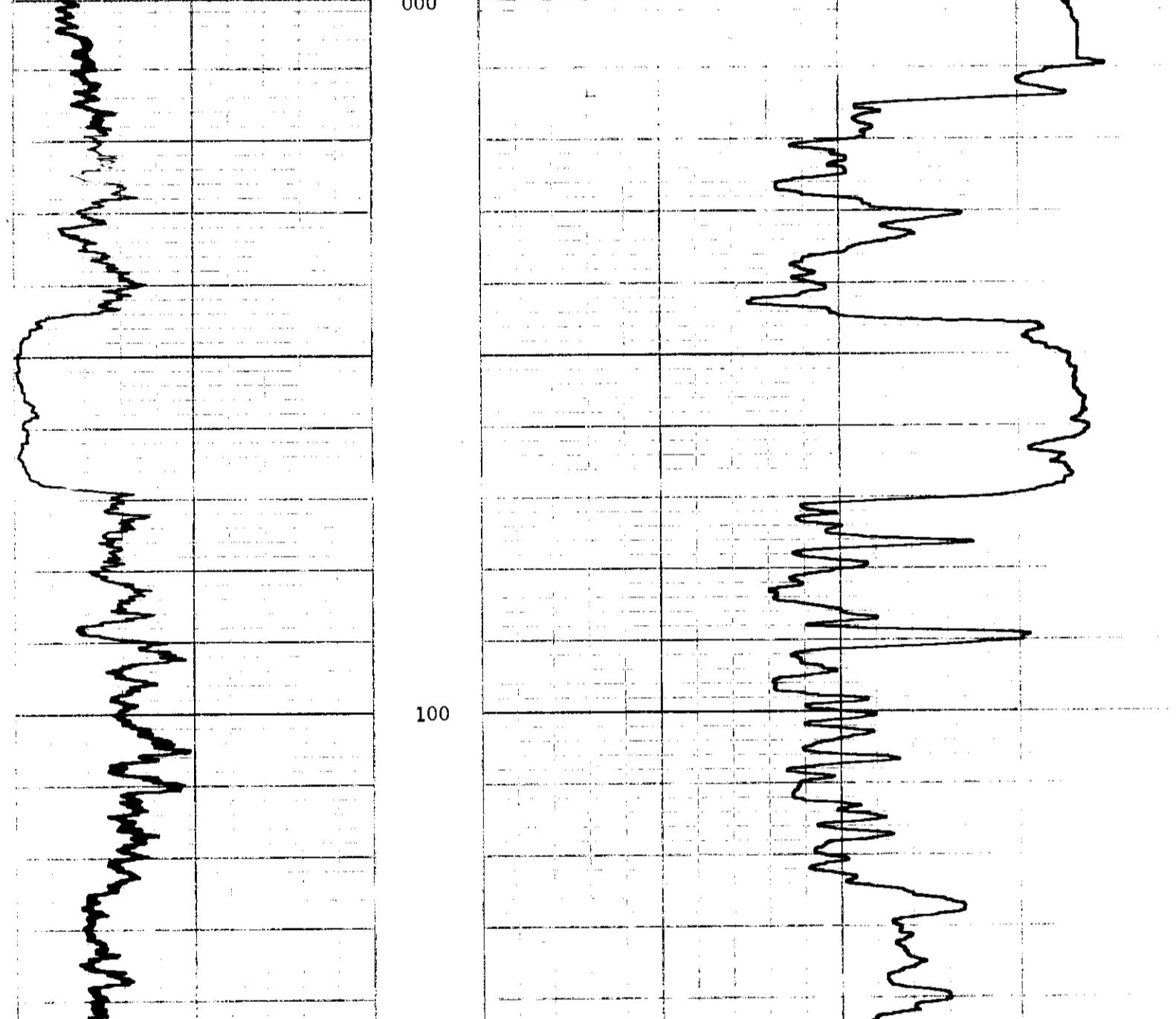
EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO	ONE		RUN NO	ONE	
TOOL MODEL NO.			LOG TYPE	NEUTRON/NEUTRON	
DIAMETER	1 11/16		TOOL MODEL NO.	1 11/16	
DETECTOR MODEL NO.			DIAMETER		
TYPE	GEIGER		DETECTOR MODEL NO.	PROPORTIONAL	
LENGTH	18 INCH		TYPE	6 INCH	
DISTANCE TO N. SOURCE	8.55 FT.		LENGTH	MRC-N-SS-W	
GENERAL			SOURCE MODEL NO.	50	
HOIST TRUCK NO.	30		SERIAL NO.	19 INCH	
INSTRUMENT TRUCK NO.			SPACING	AmBe	
TOOL SERIAL NO.	CCN27U4A65		TYPE	3 CURRIE	

LOGGING DATA

RUN NO	DEPTH		SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS
	FROM	TO									
1	0	166	12	3	100	O.L.	14 CPS	3	1000	6 L	60 CPS
	166	387	12	3	100	O.L.	14 CPS	3	500	1 L	30 CPS

REMARKS



SCALE CHANGE @ 166 FEET

WATER LEVEL @ 167 FEET

F.P.

300

200

100

000

360

960

1560

630

330

200

100

000

360

960

1560

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100

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ROKEK - FORDING 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO	COMPANY	FORDING COAL LTD
LSD	WELL	RH 244
SEC		
TWP		
RGE		
W	M	
LOCATION TURNBULL MT.		
FIELD FORDING		
PROVINCE BRITISH COLUMBIA		
Provisional Depth	GROUND LEVEL	ft Above Pore Datum
Last Measured from	GROUND LEVEL	
Well Depth	Measured from	
Other Services		
K.B.	C.S.G.	G.L.
Run No.	ONE	
Date	9 NOVEMBER 73	
First Reading	508	
Last Reading	0	
Footage Logged	508	
Depth Reached	511	
GENERAL		
HOIST TRUCK NO	30	
INSTRUMENT TRUCK NO.		
TOOL SERIAL NO.	CGN27U4A65	

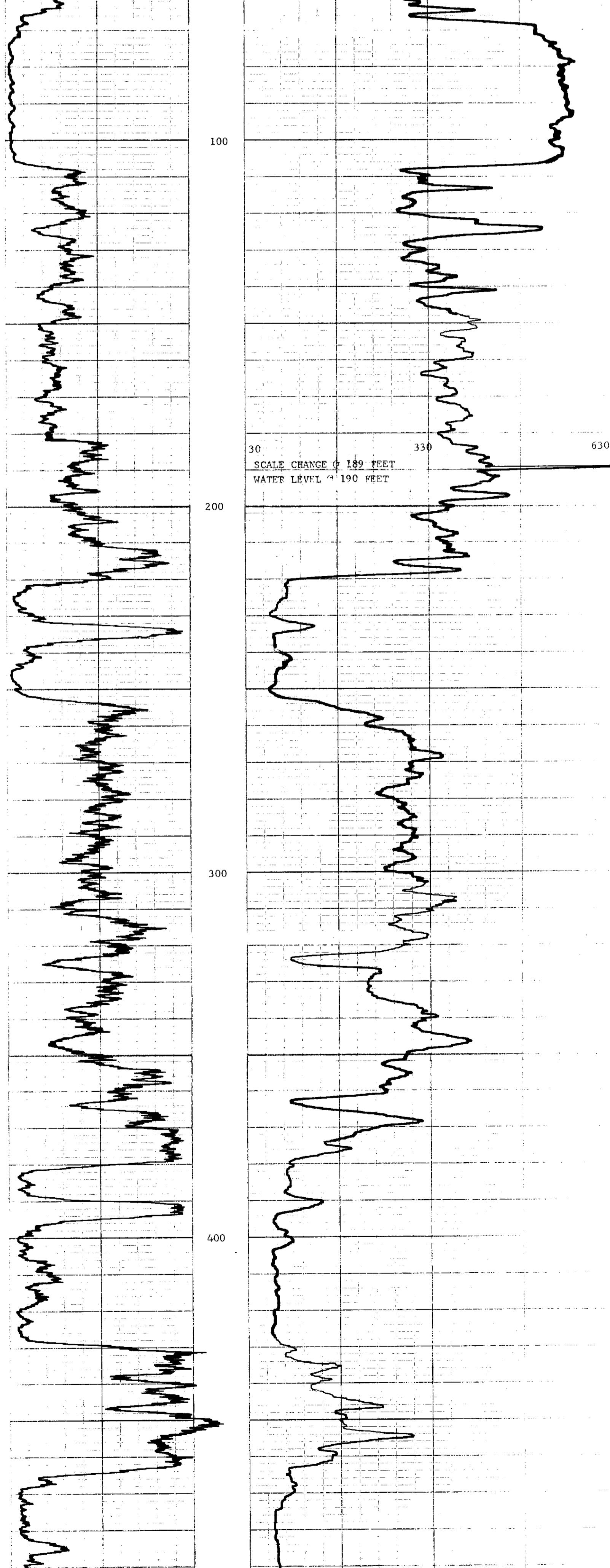
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURIE

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTH(S)	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT MIN	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	189	12	3	100	O.L.	14 CPS	3	1000	6 L	60 CPS
189		508	12	3	100	O.L.	14 CPS	3	500	1 L	30 CPS

REMARKS



ROKEK - FORDING 73(3)AY
GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY <u>FORDING COAL LTD.</u>	
LSD	WELL	RH 245
TWP	SEC	
RGE		
W	M	
LOCATION <u>TURBULL MT.</u>		
FIELD <u>FORDING</u>		
PROVINCE <u>BRITISH COLUMBIA</u>		
Permanent Datum	GROUND LEVEL	Altitude Point Datum
Loc Measured from	<u>GROUND LEVEL</u>	
Well Depth, Measured from		
Other Services:		
Run No.	ONE	
Date	8 NOVEMBER 73	
First Reading	456	
Last Reading	0	
Footage Logged	456	
Depth Reached	456	
Depth Drilled		
Casing Hole		
Casing Driller		
Fluid Type	WATER	
Liquid Level	199 FEET	
Min. Drill	4 1/2 INCH	
Rm @ 0F		
Operating Time	2 HOURS	
Truck No.	30	
Recorded By	<u>JOHNSON</u>	Witnessed By <u>TAPLIN</u>

315**EQUIPMENT DATA**

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA

RUN NO.	GENERAL			GAMMA RAY				NEUTRON					
	DEPTHs	FROM	TO	FT/MIN	T.C.	SENS	ZERO	API G. R. UNITS	PER LOG DIV	T.C.	SENS	ZERO	API N. UNITS
NO.				SEC	SETTINGS	DIV. L OR R				SEC	SETTINGS	DIV. L OR R	
1	0	198	12	3	100	O.L.	14	CPS	14 CPS	3	1000	6 L.	60 CPS
	198	456	12	3	100	O.L.	14	CPS	14 CPS	3	500	1 L.	30 CPS

REMARKS

GAMMA RAY**NEUTRON**

GAMMA RAY INCREASES →

NEUTRON INCREASES →

CPS 14

CPS 60

DEPTHS

ROKE

16 73(3)A-1

PRISES LTD. CALGARY, ALBERTA

ONE
RON/M

1 $\frac{1}{16}$

DORTIC
6 INCH
N-SS-W

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

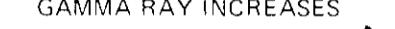
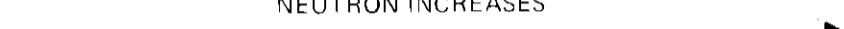
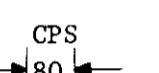
GAMMA RAY NEUTRON LOG

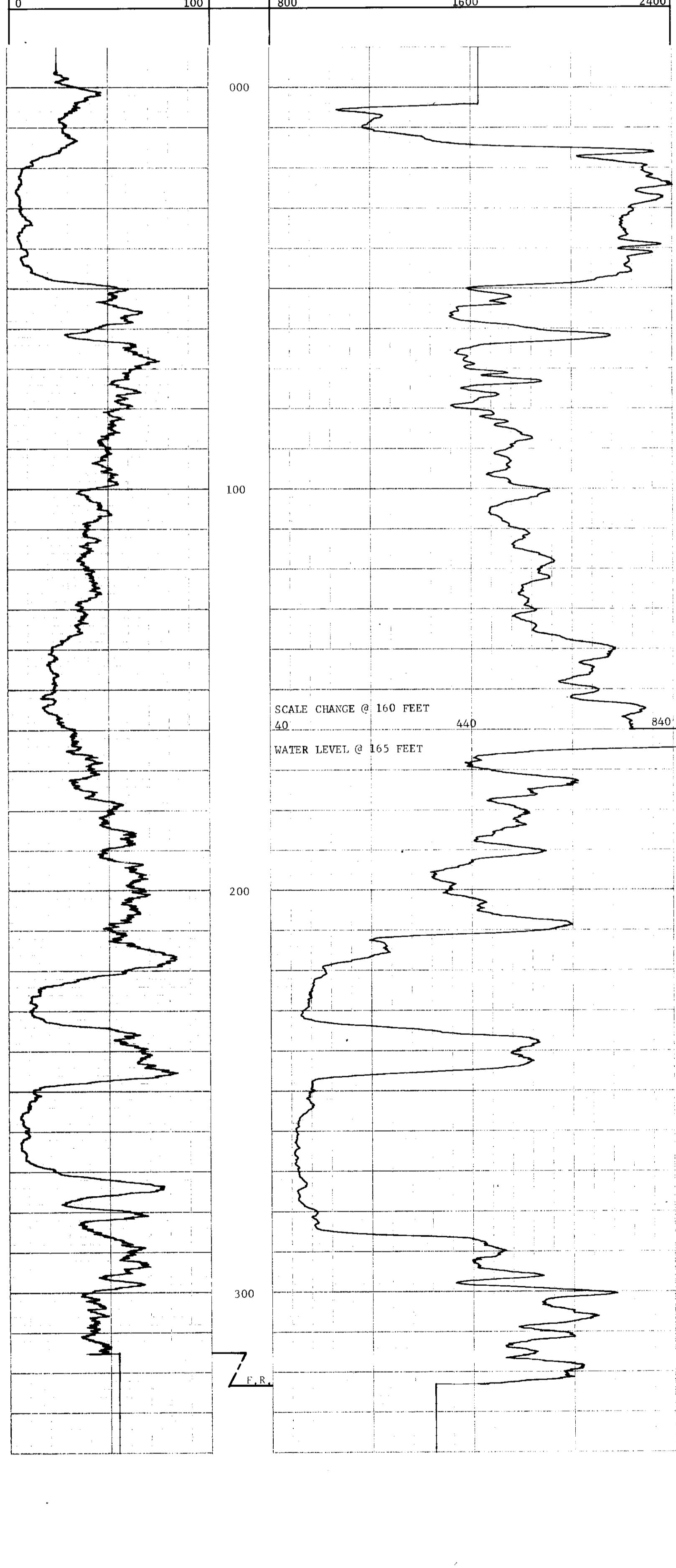
FILE NO.	COMPANY FORDING COAL LIMITED		
SD	WELL	RH - 246	
SEC			
TWP			
RGE			
M	LOCATION	TURNBULL MOUNTAIN	
	FIELD	FORDING	
	PROVINCE	BRITISH COLUMBIA	
	GROUND LEVEL	Elev.	
	on Measured from GROUND LEVEL		
	Mud Depths Measured from GROUND LEVEL		
		Other Services	
Run. No.	ONE	K.B.	
Date	17 NOVEMBER 73	C.S.G.	
First Reading	323	G.L.	
Last Reading	0		
Footage Logged	323		
Depth Reached	324		
Depth Driller	329		
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	165 FEET		
Min Diam.	4 1/2 INCH		
Rm @ 0°F			
Operating Time	2 HOURS		
Truck No.	33		
Recorded By	PETERSON	Witnessed By	BERTRAND

315

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO	ONE	RUN NO	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.	GEIGER	DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	MRC-N-SS-W
GENERAL		SOURCE MODEL NO	598
HOIST TRUCK NO	33	SERIAL NO.	19 INCH
INSTRUMENT TRUCK NO.	CGN27U4A74	SPACING	AmBe
TOOL SERIAL NO		TYPE	6.94x10 ⁶ N/S

LOGGING DATA												
GENERAL				GAMMA RAY					NEUTRON			
RUN NO	DEPTHs		SPEED FT MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNIT PER LOG DIV.	
	FROM	TO										
1	0	160	12	5	100	O.L.	10	3	1000	10 L	80 CPS	
	160	323	12	5	100	O.L.	10	3	500	1 L	40 CPS	
REMARKS												
GAMMA RAY				DEPTHs	NEUTRON							
GAMMA RAY INCREASES					NEUTRON INCREASES							
												
												



ROKE

FILE NO.	COMPANY FERRING CORP LTD.		
LSD	WELL 54-247	SEC 247	TWP
SEC	LOCATION TURNBULL MT.	TWP	RGE
TWP	FIELD FERRING.	RGE	W
RGE	PROVINCE BRITISH COLUMBIA.		
W	GROUND LEVEL.	Elev.	
	GROUND LEVEL.	FT. ABOVE PERM. DATUM	
	Well Depths Measured from GROUND LEVEL.		
	Other Services:		
Run. No.	ONE	K.B.	
Date	18 NOV. 1973.	CSG	
First Reading	180	G.L.	
Last Reading	000		
Footage Logged	180		
Depth Reached	180		
Depth Driller			
Casing Röke			
Casing Driller			
Fluid Type	AIR/WATER.		
Liquid Level	89 FT.		
Min. Diam.	4 1/2 INCH.		
Rm @ °F			
Operating Time	2 HRS.		
Truck No.	33		
Recorded By PETERSON	Witnessed By BERTHRAND.		

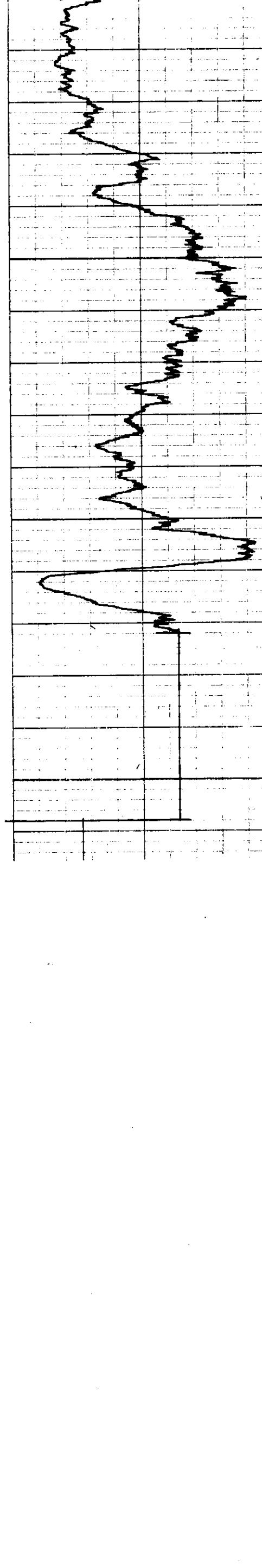
GAMMA RAY

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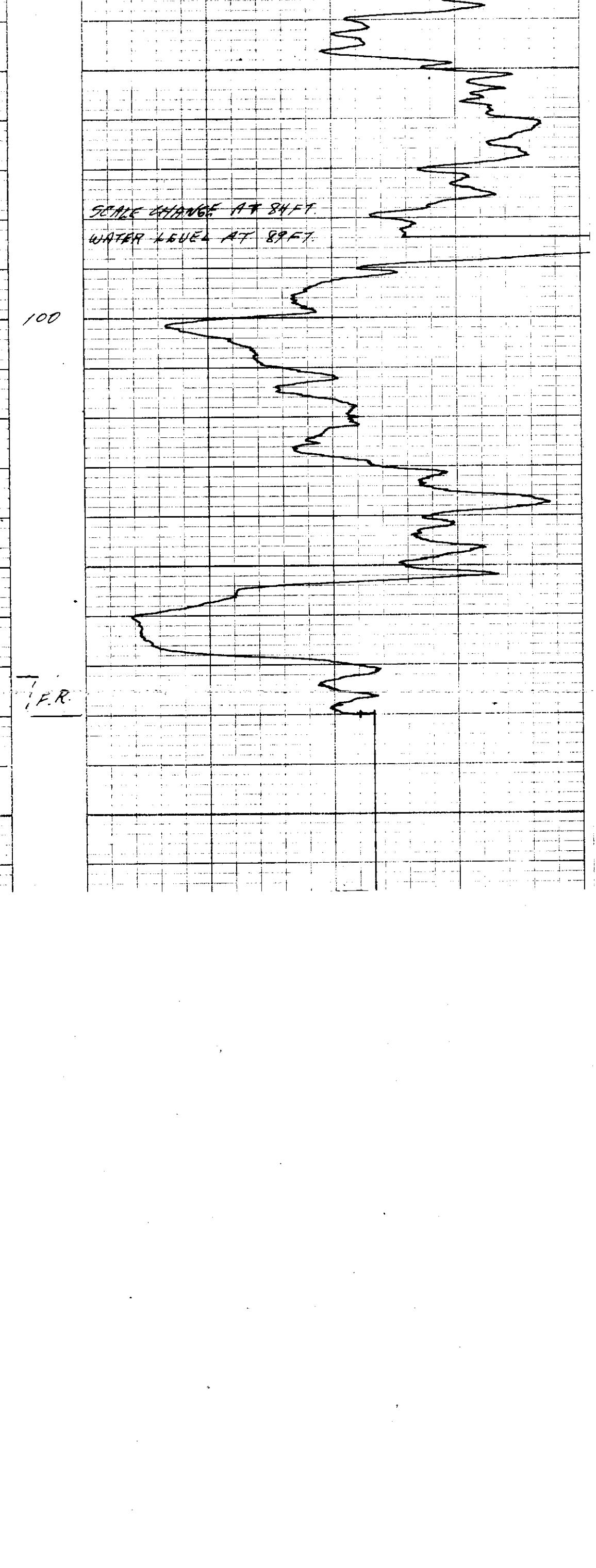
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ROKE

FORGEING 73(3)A-1
IMA RAY NEUTRON LOG

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FERNIE CORP LTD.	
LSD	WELL	PH- 248 248	
SEC	LOCATION	TURNBULL MT.	
TWP	FIELD	FORDING.	
RGE			
W			
M			
PROVINCE BRITISH COLUMBIA.			
Permanent Datum	CROWN LEVEL.	Elev.	
Log Measured from	GROUND LEVEL.	ft. Above Perm. Datum	
Well Depths Measured from	CROWN LEVEL.	G.L.	
315			
Run. No.	ONE.	Other Services:	
Date	18 NOV / 23	K.B.	
First Reading	139	CSG	
Last Reading	202	G.L.	
Footage Logged	139		
Depth Reached	160		
Depth Driller	160		
Casing Roker			
Casing Driller			
Fluid Type	API/WATER.		
Liquid Level	89 FT.		
Min. Diam.	4 1/2 INCH.		
Rm @ 0°F			
Operating Time	2 HRS.		
Truck No.	33		
Recorded By	PETERSON	Witnessed By	BERTRAND.

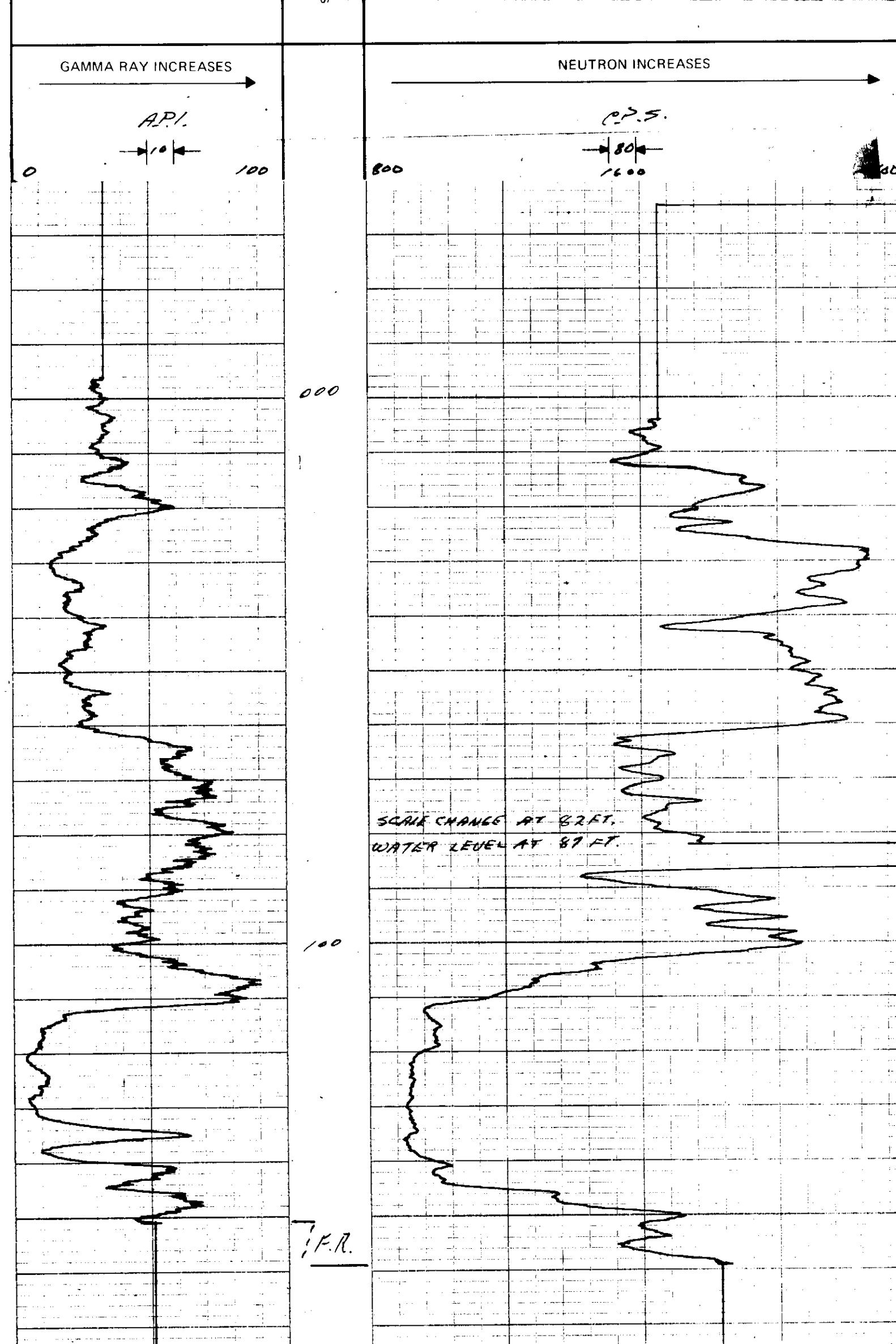
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON

TOOL TYPE

DETECTOR MODEL NO.		DIAMETER	$1\frac{1}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
	GENERAL	SERIAL NO.	558
HOIST TRUCK NO.		SPACING	18 INCH.
INSTRUMENT TRUCK NO.	33.	TYPE	AmBe
TOOL SERIAL NO.	CEN 2704 A 74	STRENGTH	$6 \cdot 94 \times 10^6$ N/S

	ZERO	API
GS	DIV. L OR R	PE



ROKE

G 73(3)A-1
EUTRON LOG

PHISES LTD.
CALGARY,
ALBERTA

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY FORGING COAL LTD.

LSD

SEC

TWP

RGE

W

WELL PH-249.

LOCATION TURNBUCK MT.

FIELD FERDIE

315

Other Services:

Permanent Datum GROUND LEVEL. Elevation 000
 Log Measured from GROUND LEVEL. Ft. Above Perm. Datum
 Well Depths Measured from GROUND LEVEL.

K.B.
CSG
G.L.

PROVINCE <u>BRITISH COLUMBIA</u>	
Run. No.	<u>ONE</u>
Date	<u>17 NOV. / 72</u>
First Reading	<u>352.</u>
Last Reading	<u>000</u>
Footage Logged	<u>352</u>
Depth Reached	<u>353</u>
Depth Driller	<u>357.</u>
Casing Roke	
Casing Driller	
Fluid Type	<u>AIR/WATER.</u>
Liquid Level	<u>24 FT.</u>
Min. Diam.	<u>4 1/2 INCH</u>
Rm @ 0°F	
Operating Time	<u>2MPS.</u>
Truck No.	<u>33</u>

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	<u>ONE</u>	RUN NO.	<u>ONE</u>
TOOL MODEL NO.		LOG TYPE	<u>NEUTRON/NEUTRON</u>
DIAMETER	<u>1 11/16</u>	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	<u>1 11/16</u>
TYPE	<u>GEIGER</u>	DETECTOR MODEL NO.	
LENGTH	<u>18 INCH</u>	TYPE	<u>PROPORTIONAL</u>
DISTANCE TO N. SOURCE	<u>8.55 FT.</u>	LENGTH	<u>6 INCH</u>
GENERAL		SOURCE MODEL NO.	<u>MRC-N-SS-W</u>
HOIST TRUCK NO.		SERIAL NO.	<u>598</u>
INSTRUMENT TRUCK NO.	<u>33</u>	SPACING	<u>19 INCH.</u>
TOOL SERIAL NO.	<u>PCN2704174</u>	TYPE	<u>AmBe</u>
		STRENGTH	<u>6.84x10⁶ N/S</u>

Recorded By PETERSON

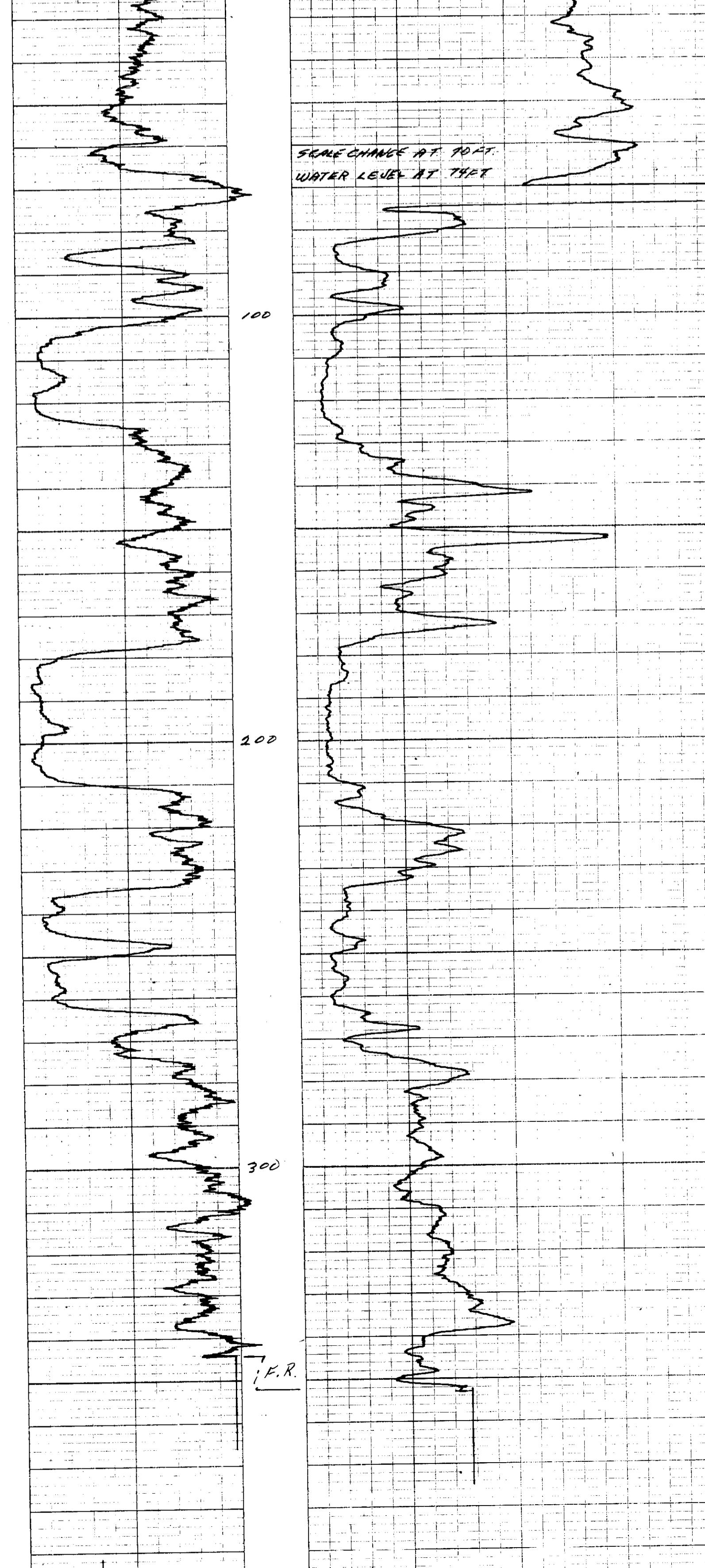
Witnessed By BERTHARD

LOGGING DATA

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES <i>API</i>		• NEUTRON INCREASES <i>CPS.</i>

200

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ROKE

RON LOG

RISES LTD.
CALGARY,
ALBERTA

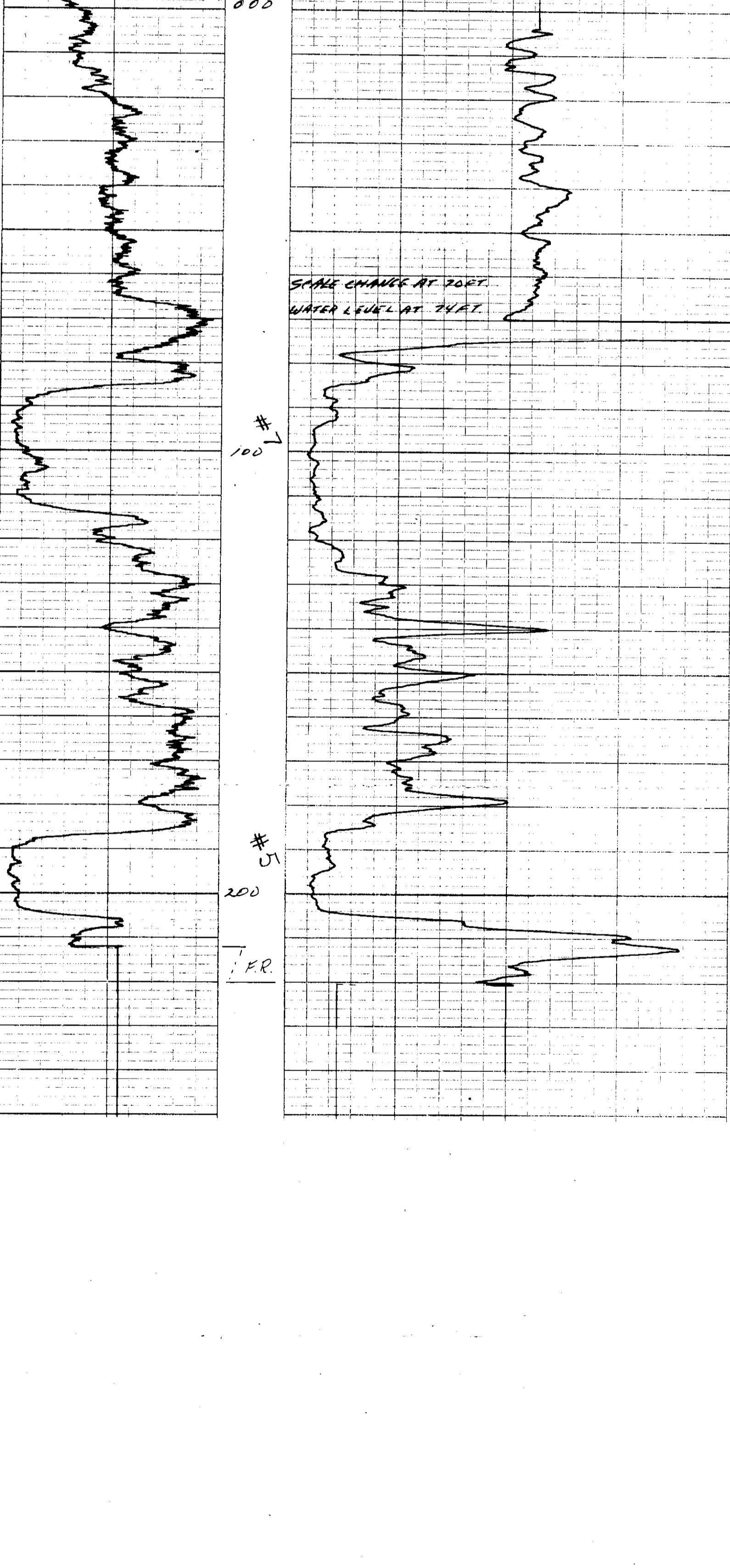
LSD	FILE NO.	COMPANY FORDING CO. LTD.	
SEC	WELL	R.H. 2057	
TWP	LOCATION	TUANBUKE M.T.	
RGE	FIELD	FORDING.	
W	M		
PROVINCE BRITISH COLUMBIA Permanent Datum GROUND LEVEL. Elev. _____ Log Measured from GROUNDS LEVEL. Ft. Above Perm Datum Well Depths Measured from GROUND LEVEL. 315			
Run. No.	ONE	Other Services:	
Date	17 NOV. 23.	K.B.	
First Reading	220	CSG	
Last Reading	220	G.L.	
Footage Logged	220		
Depth Reached	221		
Depth Driller	219		
Casing Roke			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	24 FT.		
Min. Diam.	4 1/2 INCH.		
Rm @ °F			
Operating Time	2 HRS.		
Truck No.	33.		
Recorded By PETERSON	Witnessed By BERTHARD		

GAMMA RAY

GAMMA RAY	DEPTH	NEUTRON
GAMMA RAY INCREASES A.P.I. 0 10 100	800	NEUTRON INCREASES C.P.S. 80 1600 2400

100% of the time, the system was able to correctly identify the target word.

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Recorded By PETERSON Witnessed By PERTHARD

ROKE

K- FOREST 73(3)A-1
GAMMA RAY NEUTRON LOG

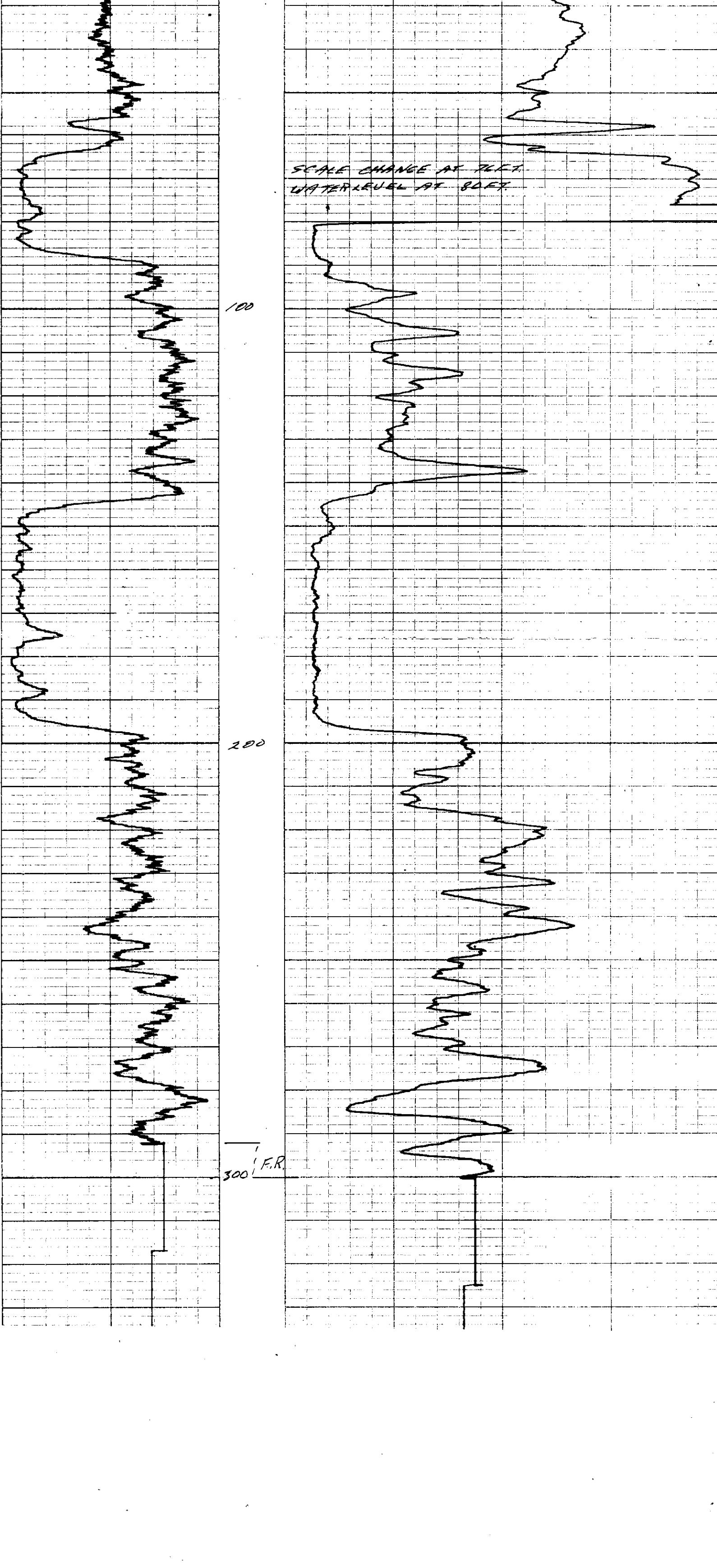
FILE NO.	COMPANY	FORING CORP LTD.
LSD	WELL	RH-25-2.
SEC	LOCATION	TURKEY MT.
TWP	FIELD	PRODUCING
RGE	PERM Datum	OPENED LEVEL.
W	Log Measured from	Elev.
M	Well Depth	Measured from GROUND LEVEL.
PROVINCE: B.C.P.T. & COLUMBIA.		
Other Services:		
K.B. CSG GL		

315

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/16	TOOL MODEL NO.	1 1/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.		SERIAL NO.	SPS
INSTRUMENT TRUCK NO.	33	SPACING	18 INCH.
TOOL SERIAL NO.	CCN27U4A74	TYPE	AmBe
		STRENGTH	6.84x10 ⁶ N/S

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
RUN	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO		
NO	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS		
1	000	76	12	5	100	0.4	10	3	1000	102.	80 CPS.
	76	300	12	5	100	0.4	10	3	500	1.2.	40 CPS.

REMARKS



ROKE

K - FORDING 73(3A)

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	FROG CREEK LTD.
LSD	WELL	P.H. - 25-3
SEC	TWP	
TWP	RGE	
RGE	M	
W.		
LOCATION TURNBULL MT.		
FIELD FORDING.		
PROVINCE BRITISH COLUMBIA		
Permaent Datum GROUND LEVEL. Elev. 333 ft. Above Perm. Datum		
Log Measured from GROUND LEVEL. Well Depth Measured from GROUND LEVEL.		
Other Services:		
315		

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/16	TOOL MODEL NO.	1 1/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.		SERIAL NO.	598
INSTRUMENT TRUCK NO.	33	SPACING	19 INCH.
TOOL SERIAL NO.	CEN8704A74	TYPE	AmBe
		STRENGTH	6.94 x 10 ⁶ N/S

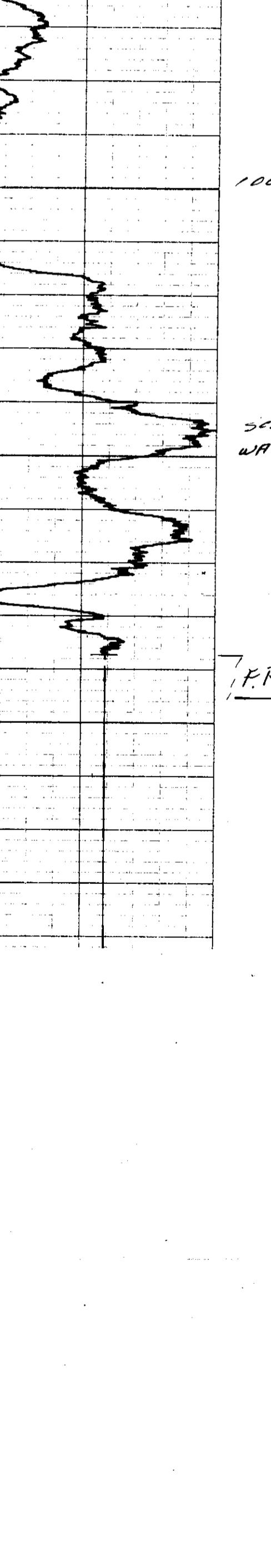
LOGGING DATA

GENERAL			GAMMA RAY					NEUTRON				
RUN	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS		
NO.	FROM	TO	FT/MIN	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	
1	000	148	12	5	100	0.6	10	3	1000	10.6	80 CPS	
	148	195	12	5	100	0.6	10	3	500	1.6	40 CPS	

REMARKS

GAMMA RAY

NEUTRON



DEPTH

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

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14900

15000

15100

Eagle Mountain

RH/DTH 321 to 331
MADAMS : 329

Bronnie Creek

TO. CALGARY, ALBERTA

RH - 332
DIMS. CORE LUMINATED

ISD
SEC
TWP
RGE
W
M

FIELD

FORUMS

PROVINCE

ALBERTA

K - SIGHTING 73(3)

GAMMA RAY NEUTRON LOG

12 JUNE 73

2.80

2.71

2.65

800

700

600

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6

ROKE

SIDEWALL D

CALGARY,
ALBERTA

FORDING COAL LIMITED

DDH 321

EAGLE MOUNTAIN
212
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DICA
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FORBING

Other Services:
THE D
D

BRITISH COLUMBIA GRN ROM PS/D

____ FT. Above Perm. Datum
F' E' V' E' V'
CSG _____
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FILE

DEPTH
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UPPER

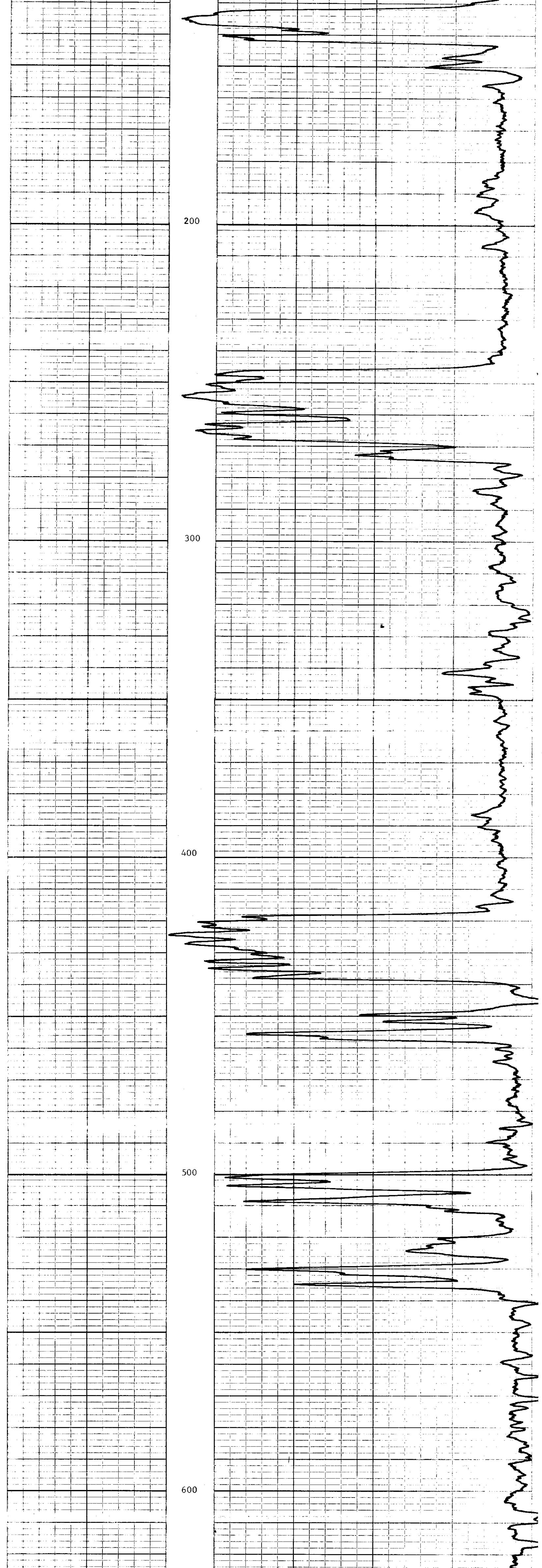
ROM 0 : E E CA

Witnessed By TAPLIN

OIL ENTERPRISES LTD.		CALGARY,	ALBERTA
COMPANY	FORDING COAL LIMITED		
WELL	DDH 321		
LOCATION	EAGLE MOUNTAIN		
FIELD	FORDING		
PROVINCE	BRITISH COLUMBIA		
GROUND LEVEL	Elev.		
GROUND LEVEL	Ft. Above Perm. Datum		
ed from	GROUND LEVEL		
ONE			
12 JUNE 73			
1047			
0			

315

The figure consists of a black and white plot on a grid background. A single, continuous black line represents the data series. This series begins near the bottom left corner, where it is relatively flat. It then rises steeply, reaching a plateau. Following this initial rise, the line exhibits a series of high-frequency, low-amplitude oscillations. These oscillations continue as the line trends upwards and to the right, eventually occupying the upper right quadrant of the grid. The grid itself is composed of horizontal and vertical lines, creating a pattern of small squares across the entire page.



ROKE

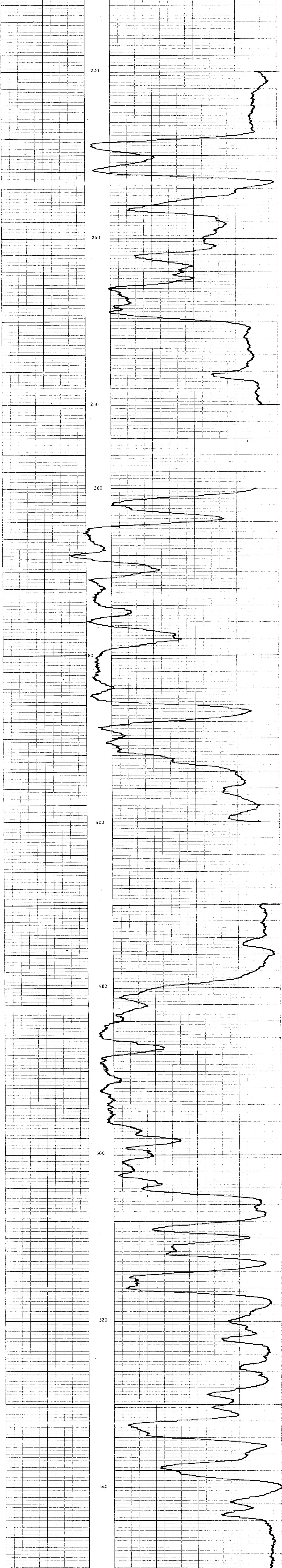
SIDEWALL DENSILOG
OIL ENTERPRISES LTD.
CALGARY,
ALBERTA

K-
F-
S-
E-
C-
A-
T-
R-

315

FILE NO	COMPANY	FORDING COAL LIMITED
LSD	SEC	DH 322
TMP	WELL	
RGE	LOCATION	EAGLE Mtn.
W	FIELD	FORDING
M	PROVINCE	BRITISH COLUMBIA
Permanent Datum, GROUND LEVEL		Elev. _____
Log Measured from, GROUND LEVEL		ft. Above Perm. Datum
Well Depths Measured from, GROUND LEVEL		G.L.
Other Services: G.R.N.		

LOGGING DATA						
RUN NO.	DEPTH(S)		SPEED	T.C.	SENS SETTINGS	ZERO DIV. L OR R
1	100	140	4 ft/min	4 sec	1000	4.93 R
1	220	260				
1	360	400				
1	470	550				
REMARKS	670	700				



ROKE

GAMMA RAY NEUTRON LOG

K-forexink- 73(3)A-1

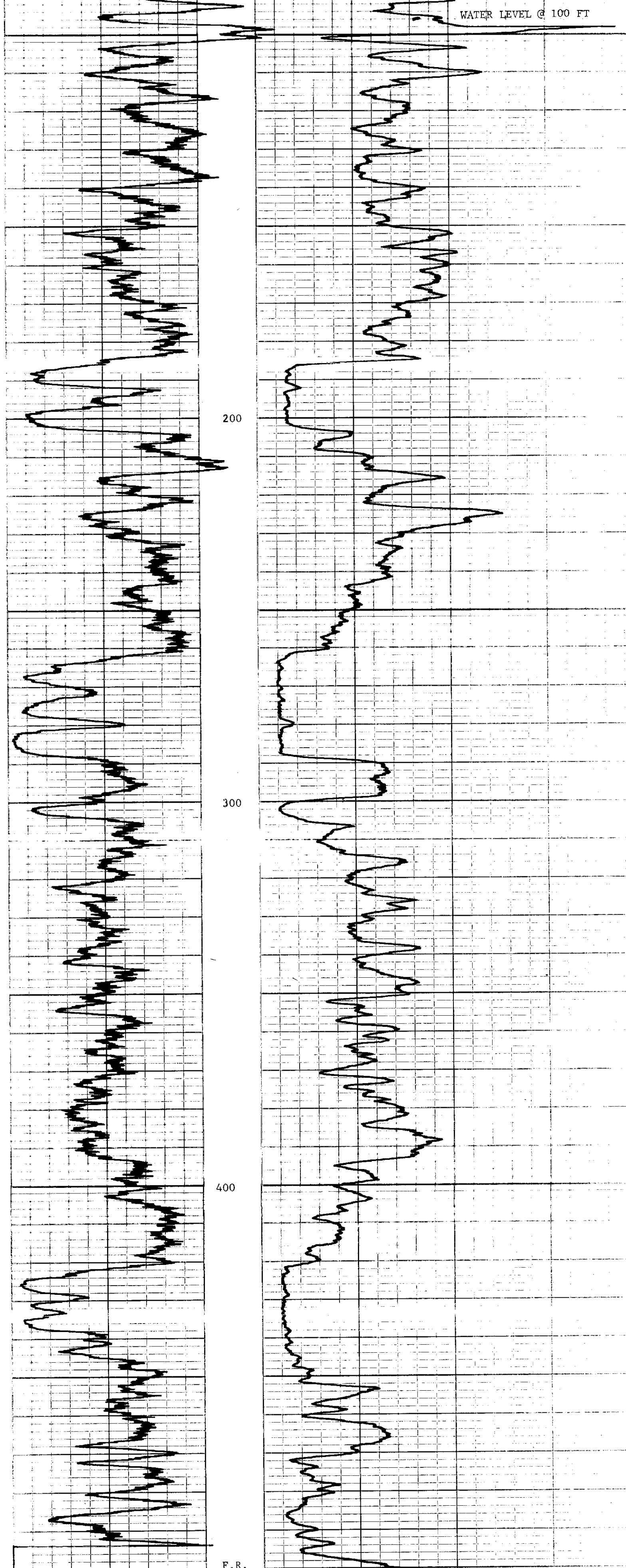
FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	DHR 323
SEC		
TWP		
RGE		
W		
M		
LOCATION	EAGLE Mtn.	
FIELD	FORDING	
PROVINCE	BRITISH COLUMBIA	
Prominent Datum	GROUND LEVEL	Elev.
Line Measured from	GROUND LEVEL	ft. Above Perm. Datum
Well Depths Measured from	GROUND LEVEL	
Other Services:		
K.B.		
CSC		
G.L.		

315

EQUIPMENT DATA		
GAMMA RAY		NEUTRON
RUN NO.	ONE	ONE
TOOL MODEL NO.		NEUTRON/NEUTRON
DIAMETER	1 1/16	
DETECTOR MODEL NO.		
TYPE	GEIGER	PROPORTIONAL
LENGTH	18 INCH	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	MRC-N-SS-W
GENERAL		
HOIST TRUCK NO.	30	19 INCH
INSTRUMENT TRUCK NO.		AmBe
TOOL SERIAL NO.	CGN27U4A65	3 CURRIE

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	
1	0	100	11	5	100	0L	10	3	1000	0L	80 CPS
1	100	502	11	5	100	0L	10	3	500	0L	40 CPS

REMARKS



Recorded By JAMES Witnessed By BELL

ROKE

K - FORGING 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD SEC	WELL	RH 324	
TWP	LOCATION	EAGLE MOUNTAIN	
RGE W M	FIELD	FORDING	
PROVINCE		BRITISH COLUMBIA	
LOG MEASURED FROM		GROUND LEVEL	
WELL DEPTH MEASURED FROM		GROUND LEVEL	
Run. No.	ONE		
Date	JUNE 25, 1973		
First Reading	426		
Last Reading	0		
Footage Logged	426		
Depth Reached	431		
Depth Driller	426		
Casing Roke			
Casing Driller			
Fluid Type	AIR / WATER		
Liquid Level	348		
Min. Diam.	4 1/4 INCH		
Rm @ 0F			
Operating Time	1 1/2 HOURS		
Truck No	30		
Recorded By	JAMES	Witnessed By	BELL

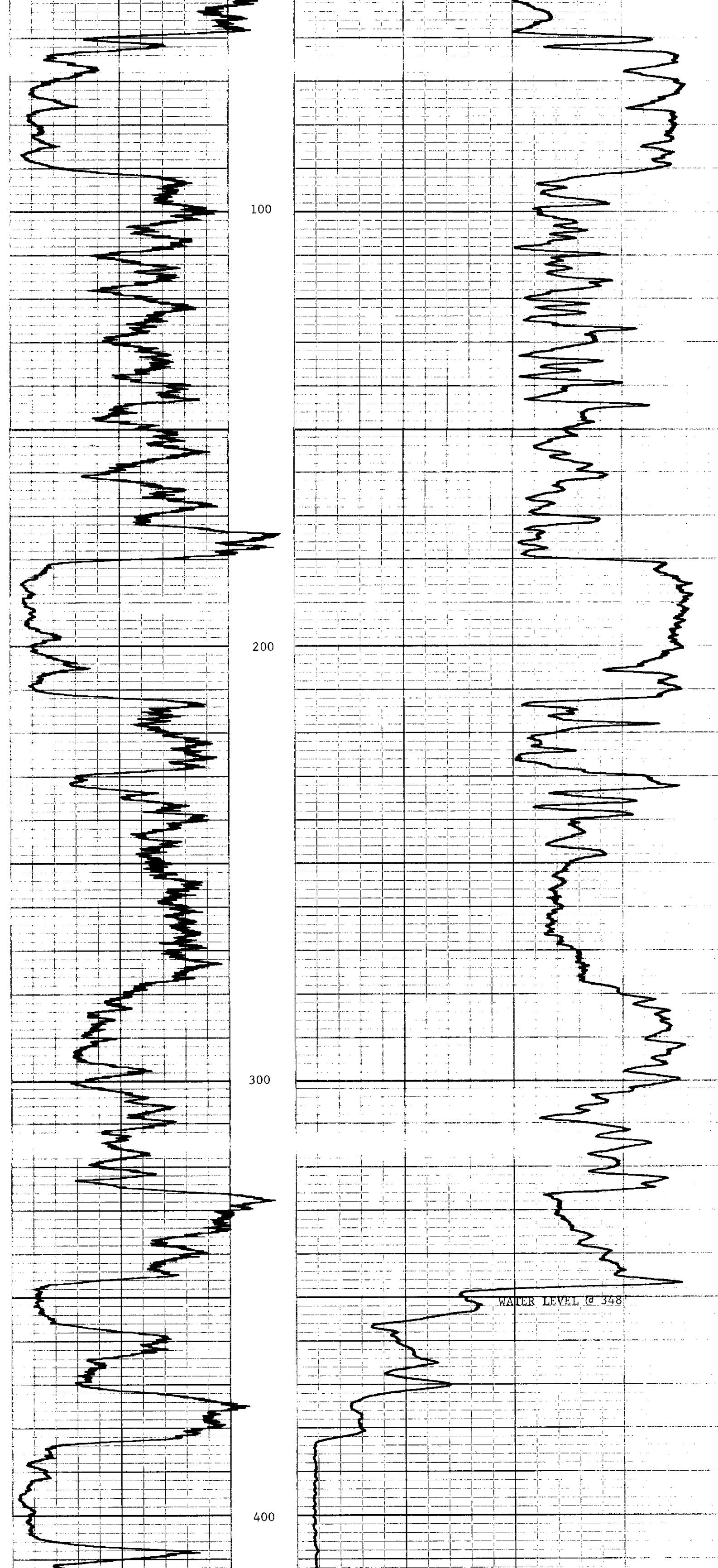
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA

GENERAL		GAMMA RAY				NEUTRON					
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	348	11	5	100	O.L.	10 API	3	1000	O.L.	80 CPS
1	348	426	11	5	100	O.L.	10 API	3	500	O.L.	40 CPS

REMARKS

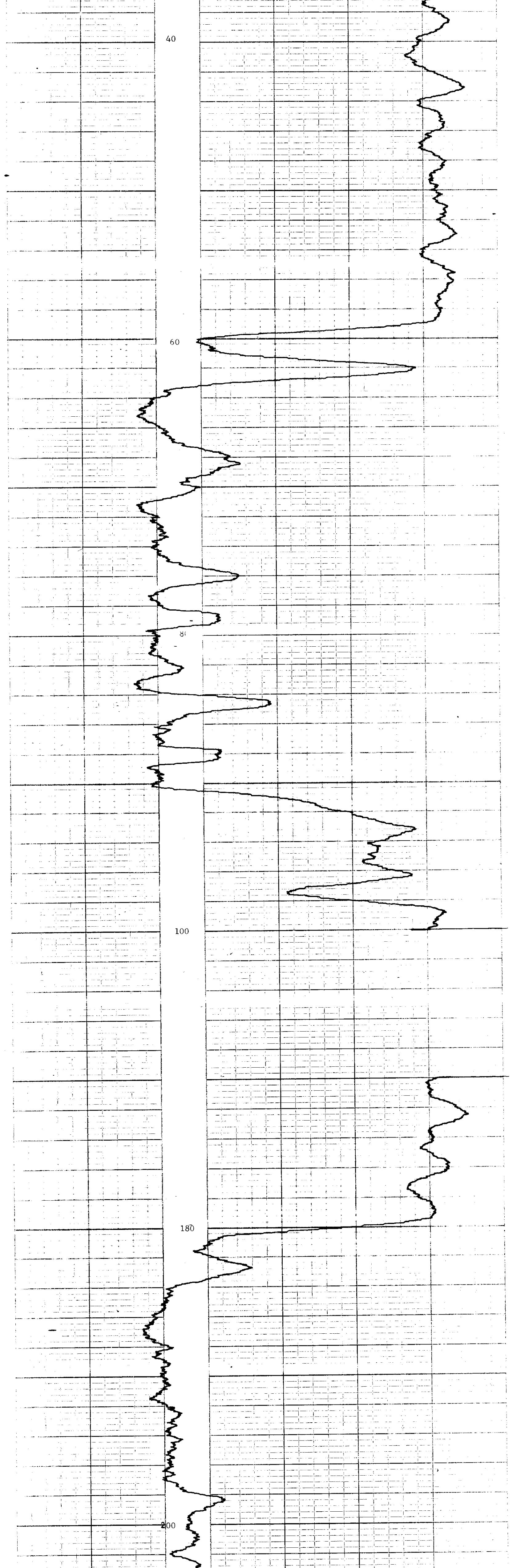


ROKE

SIDEWALL DENSILOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K-FAC-1/G 73(3)A-1

LSD SEC	FILE NO.	COMPANY	FORDING COAL LIMITED
TWP RGF	WELL	RH 324	
M	LOCATION	EAGLE Mtn.	
	FIELD	FORDING	
PROVINCE BRITISH COLUMBIA			
Permanent Datum GROUND LEVEL			
Log Measured from Ft. Above Perm. Datum			
Well Drilled Measured from G.L.			
Run No.	ONE	Elev.	GRN
Date	25 JUNE 1973	ft.	
First Reading	424	ft.	
Last Reading	30	ft.	
Fracture Induced	194	ft.	
Depth Reached	431	ft.	
Depth Driller	426	ft.	
Casing Roke		ft.	
Casing Driller		ft.	
Flint Type	AIR/WATER	ft.	
Liquid Level	348 FT	ft.	
Min. Diam.	4 1/4 INCH	ft.	
R.m. @ OF		ft.	
Operating Time	1 1/2 HOURS	ft.	
Truck No.	30	ft.	



REMARKS

CALIPER

DEPTH'S

1:20 —

40

60

80

100

120

140

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220

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ROKE

K - FORSTER 73(3)A-1
GAMMA RAY NEUTRON LOG

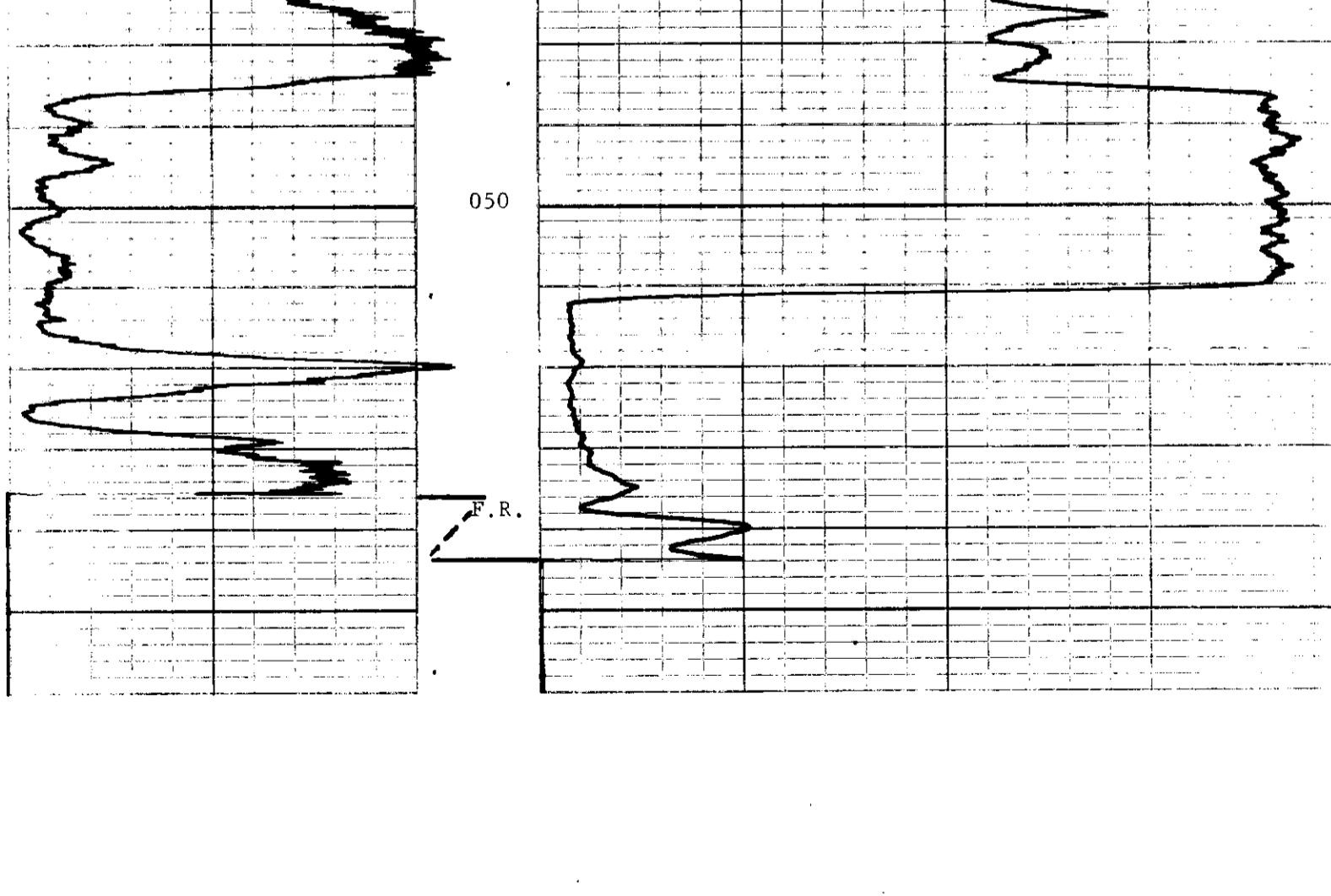
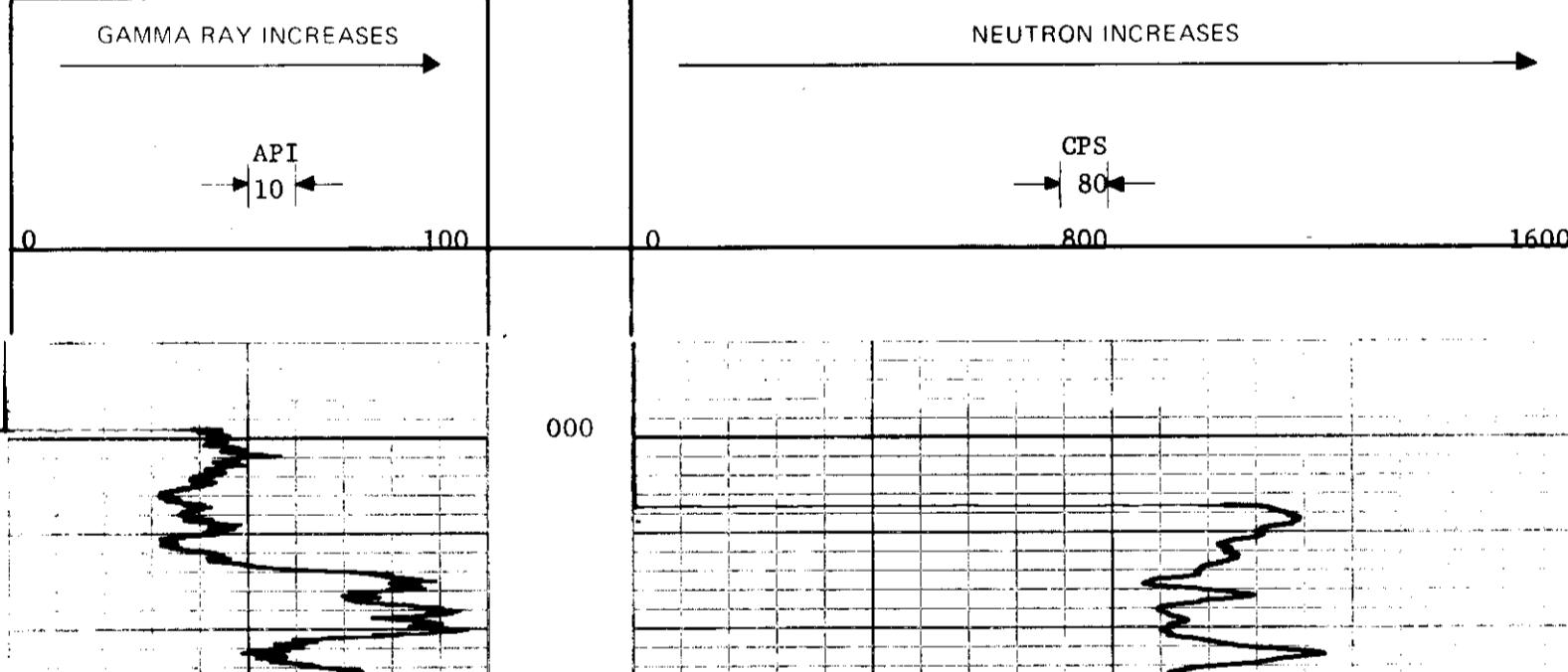
315

FILE NO.	COMPANY	CALGARY, ALBERTA
LSD	WELL	RH 325
SEC	RH	325
TWP	LOCATION	EAGLE MTN.
RGE		
W.		
M		
	FIELD	FORDING
	PROVINCE	BRITISH COLUMBIA
	GROUND LEVEL	Elev.
	Loc Measured from	Ft. Above Perm. Datum
	Well Depths Measured from	
	Other Services:	
	DENS	

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	3 CURRTE

LOGGING DATA											
GENERAL		GAMMA RAY		NEUTRON							
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	61	11	5	100	0L	10	3	1000	0L	80 CPS
1	61	94	11	5	100	0L	10	3	500	0L	40 CPS

REMARKS



Recorded By

JAMES

Witnessed By
BELL

Operating Time

15 MINUTES

Truck No.

30

ROKE

OIL ENTERPRISES

LOG

SES LIB. CALGARY, ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED	
SD EC WP AGE N	WELL	RH 325	
M	LOCATION	EAGLE MTN.	
	FIELD	FORDING	
	PROVINCE	BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Elev.	
og Measured from	GROUND LEVEL	ft. Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL	G.L.	
Run. No.	ONE	Other Services:	
Date	25 JUNE 1973	GRN	
First Reading	94	K.B.	
Last Reading	0	CSG	
Voltage Logged	94		
Depth Reached	9.8		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	AIR/ WATER		
Liquid Level	61 FT		
Min. Diam.	4 1/4 INCH		
Rm @ 0°F			
Operating Time	45 MINUTES		
Truck No.			
Recorded By	JAMES	Witnessed By	BELL

LOGGING DATA

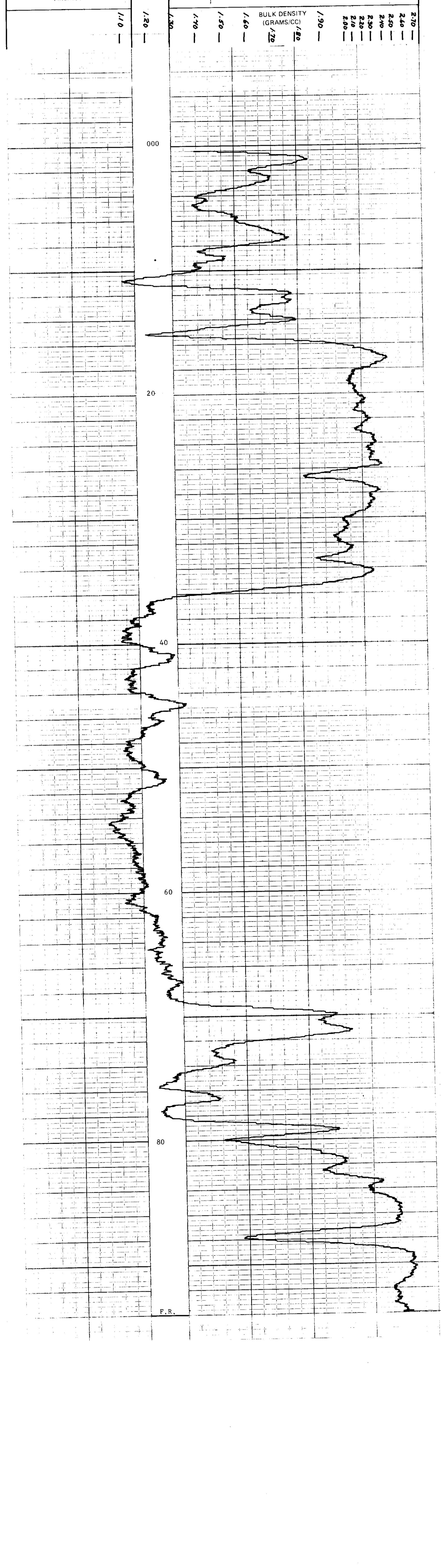
RUN NO.	DEPTH		SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.	0.05 GM/CC P
	FROM	TO						
1	0	94	4	3	1000	4.93 R		

REMARKS

CALIPER		DENSITY
DEPTH	DEPTHS	

HOLE DIAMETER CPS

(INCHES)



ROKE

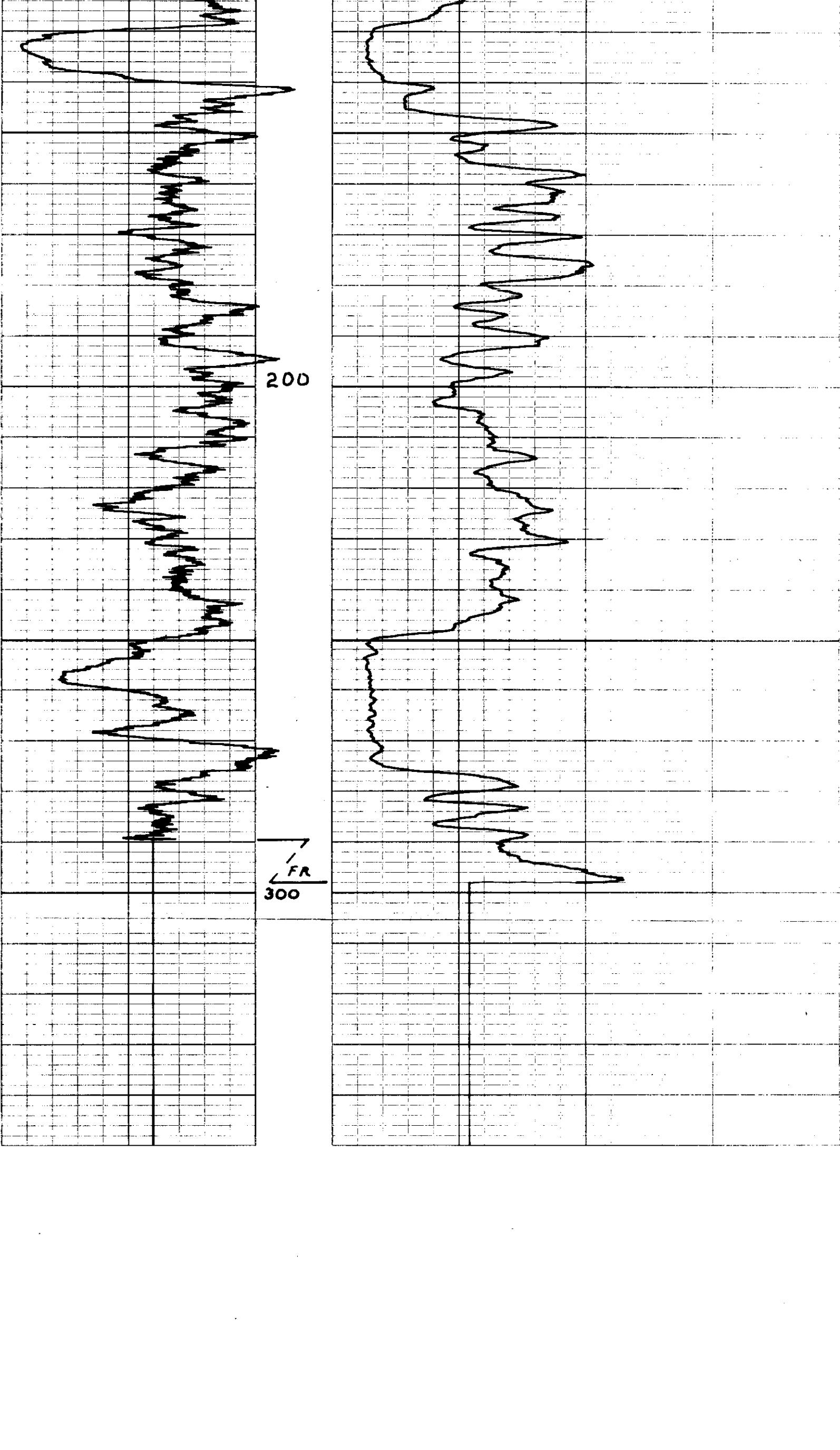
GAMMA RAY NEUTRON LOG
K-FORING 73(3)A-1

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	EDDING COAL LIMITED	
LSD SEC TWP RGE	WELL	RH 326	
W M	LOCATION	EAGLE MOUNTAIN	
FIELD EDDING			
PROVINCE BRITISH COLUMBIA			
Datum GROUND LEVEL Elv.			
Loc Measured from GROUND LEVEL Ft. Above Perm. Datum			
Well Depth Measured from GROUND LEVEL G.L.			
Other Services: DENS.			
K.B. CSG			
GENERAL			
Run. No.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 1/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 in.
TOOL SERIAL NO.	CGN 2704A 65	TYPE	AmBe
		STRENGTH	3 CURRIE

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 1/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 in.
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN 2704A 65	STRENGTH	3 CURRIE

LOGGING DATA											
GENERAL		GAMMA RAY		NEUTRON							
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	
1	0	57	11	5	100	0L	10 API	3	1000	0L	80 CPS
1	57	298	11	5	100	0L	10 API	3	500	0L	40 CPS
REMARKS											
GAMMA RAY				DEPTHs		NEUTRON					
GAMMA RAY INCREASES →				DEPTHs		NEUTRON INCREASES →					
API → 10 ←				DEPTHs		CPS → 80 ←					
100				0		800					1600
000				0		SCALE CHANGE @ 57 ft.					800
100				0		WATER LEVEL @ 57 ft.					
200				100							
300				200							
FR				300							



Recorded By **JAMES** Witnessed By **TAPLIN**

ROKE

SIDEWALL DENSLOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. FORING CORE LIMITED

COMPANY

WELL RH 326FIELD FORINGDATE 12 JUNE 73TIME 2:30 P.M.DEPTH 296 FTSPEED 3 CPST.C. 4.93 RSENS 1000ZERO 4.93 RCPS/DIV 0.05 GR/CC PER DIV

LOGGING DATA

DEPTH 296 FTDENSITY 1.12CPS 1.10DEPTH 296 FTDENSITY 1.10CPS 1.00DEPTH 296 FTDENSITY 1.00CPS 0.90DEPTH 296 FTDENSITY 0.90CPS 0.80DEPTH 296 FTDENSITY 0.80CPS 0.70DEPTH 296 FTDENSITY 0.70CPS 0.60DEPTH 296 FTDENSITY 0.60CPS 0.50DEPTH 296 FTDENSITY 0.50CPS 0.40DEPTH 296 FTDENSITY 0.40CPS 0.30DEPTH 296 FTDENSITY 0.30CPS 0.20DEPTH 296 FTDENSITY 0.20CPS 0.10DEPTH 296 FTDENSITY 0.10CPS 0.00DEPTH 296 FTDENSITY 0.00CPS 0.00DEPTH 296 FTDENSITY 0.00

ROKE

OIL ENTERPRISES LTD.

CALGARY, ALBERTA

K - Section 73(3)A-1
GAMMA RAY NEUTRON LOG

315

FILE NO.	COMPANY	FORDING CORE LIMITED
LSD	WELL	RH 327
SEC	LOCATION	
TWP		
RGE		
W	M	
FIELD FORDING		
PROVINCE BRITISH COLUMBIA		
Run No.	ONE	K.B. _____
Date	11 June 73	Elev. _____
First Reading	364	ft. Above Perm. Datum
Last Reading	0	
Footage Logged	364	G.L.
Depth Drilled	365	
Casing Rose	13	
Casing Driller		
Fluid Type	AIR/WATER	
Min. Diam.	2 1/2	
Operating Time	2 HRS	
Truck No.	30	
Recorded By	JAMES	
Witnessed By	BELL	

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO	ONE	RUN NO	ONE
TOOL MODEL NO		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/16	TOOL MODEL NO	1 1/16
DETECTOR MODEL NO		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO	MRC-N-SS-W
HOIST TRUCK NO	30	SERIAL NO	50
INSTRUMENT TRUCK NO		SPACING	19 INCH
TOOL SERIAL NO	CGH 27U4A 65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA

RUN NO	GENERAL		GAMMA RAY				NEUTRON				
	DEPTHs	FROM	SPEED	T.C.	SENS	ZERO	API G R UNITS	T.C.	SENS	ZERO	API N UNITS
	TO	FT/MIN	FT/MIN	SEC	SETTINGS	DIV L OR R	PER LOG DIV	SEC	SETTINGS	DIV L OR R	PER LOG DIV
1 0	364	11	5	100	0L	10 API	3	1000	0L	80 CPS	

REMARKS

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES →

NEUTRON INCREASES →

API
→ 10 ←

CPS
→ 80 ←

100

1600

000

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

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ROKE

DENSILOG

SIDEWALL DENSLOG

0.05

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY FORDING CORP LIMITED

SD
EC
WP
GE

WELL RH 327

M LOCATION

FIELD FORING

PROVINCE BRITISH COLUMBIA

Elev.

K.B.

G.S.G.

G.L.

GRN

Other Services

Permanent Datum GROUND LEVEL
Log Measured from CASTING — 1.0 Ft. Above Perm. Datum
Well Depths Measured from

run. No.	ONE
date	11 JUNE 73
last Reading	364
last Reading	0
bottom Logged	364
depth Reached	365
depth Driller	367
asing Roke	13
asing Driller	
uid Type	AIR/WATER
iquid Level	226
in. Diam.	4 1/4
m @ °F	
operating Time	2 HRS
truck No.	30

315

LOGGING DATA

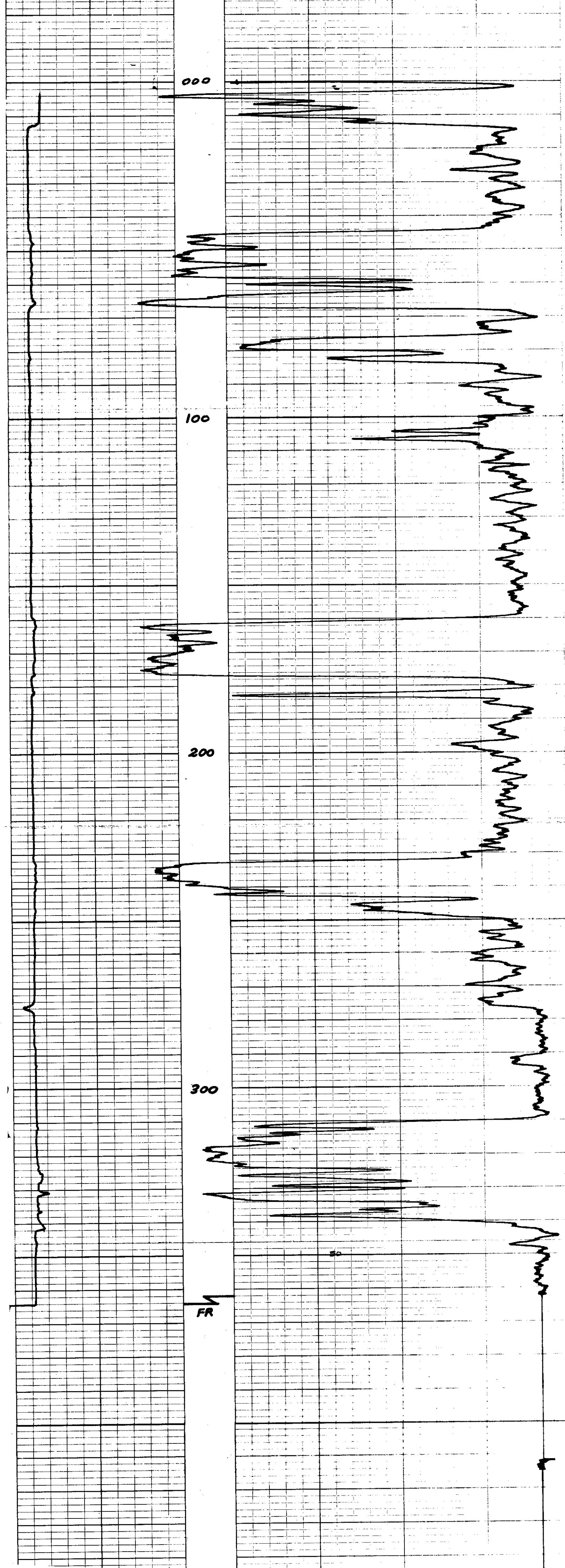
RUN NO.	DEPTHs		SPEED FT/MIN	T.C SEC.	SENS SETTINGS	ZERO DIV. L ORR	CPS/DIV.	DE
	FROM	TO						
1	0	362	8	3	1000	4.93R	0.05 GRKC P	

REMARKS

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—
—

HOLE DIAMETER (INCHES)	<u>13</u>	CPS
BULK DENSITY (GRAMS/CC)		<u>2</u>

100



ROKE

DENSILOG

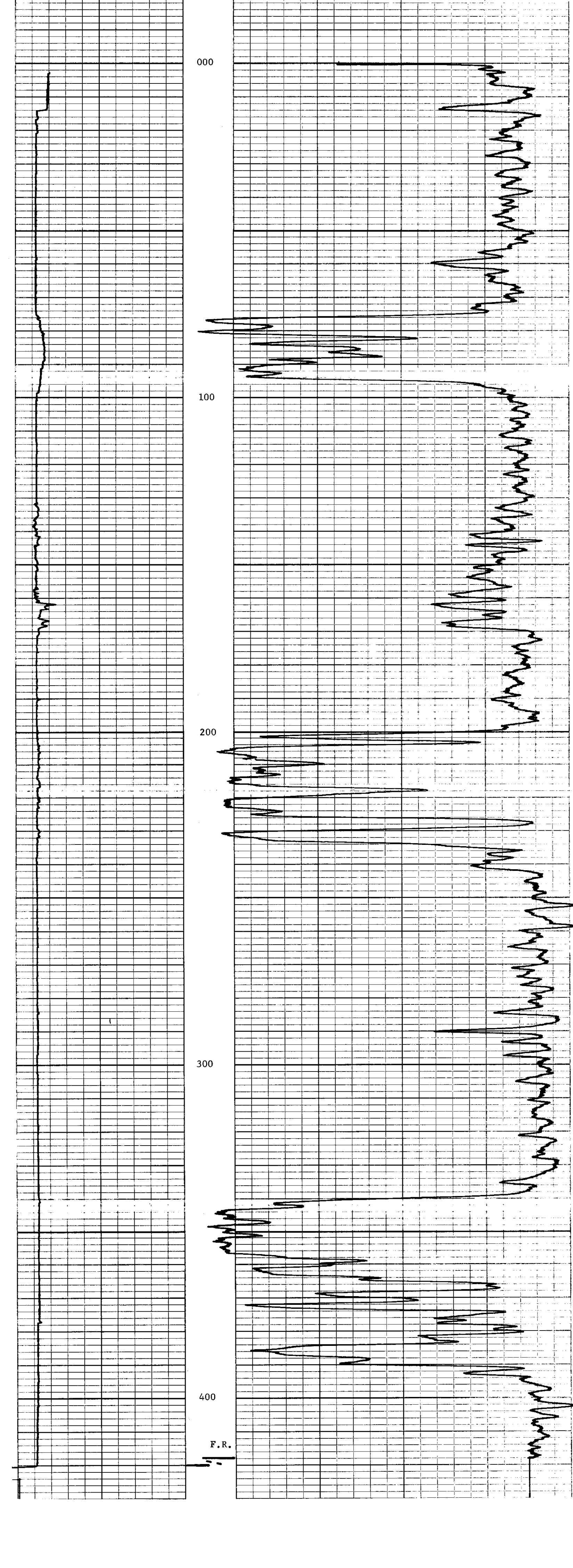
RPRISES LTD.
CALGARY,
ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD			
SEC			
TWP			
RGE			
W	M	LOCATION	EAGLE MOUNTAIN
		FIELD	FORDING
PROVINCE		BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Elev.	
Log Measured from	GROUND LEVEL	FT. Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL		
Run. No.	ONE	Other Services: GRN	
Date	11 JUNE 73		
First Reading	420		
Last Reading	0		
Footage Logged	420		
Depth Reached	421		
Depth Driller	423		
Casing Roke	14		
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	161 FT		
Min. Diam.	4 1/4 INCH		
ftm @ °F			
Operating Time	. 1 1/2 HOURS		
Truck No.	30		
Recorded By	BANKS	Witnessed By	BELL

315

10.000-15.000 m²

HOLE DIAMETER (INCHES)	13	CPS
		BULK DENSITY



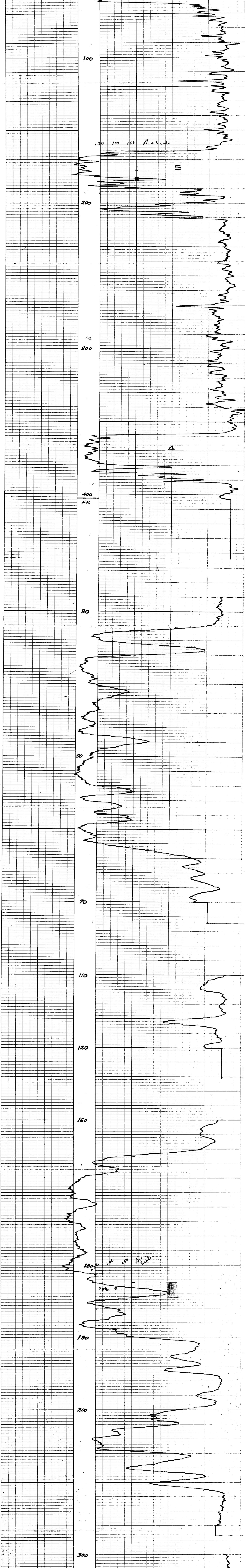
ROKESIDEWALL DENSILOG
OIL ENTERPRISES LTD.

CALGARY, ALBERTA

K-FREIGHT 73/34-1

315

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 330
SFC	LOCATION	FORDING Mtn
TMP		
PGE		
M		
FIELD		FORDING
PROVINCE		BRITISH COLUMBIA
PERMANENT DURUM GROUND LEVEL		GRND LVL
Log Datum Measured from		GRND LVL
Well Depth Measured from		GRND LVL
Elev. Ft. Above Prim. Datum		GRND LVL
Run No.		ONE
Date		13 JUNE 73
First Reading		403
Last Reading		402
Drillage Logged		402
Depth Reached		402
Coring Rotor		402
Depth Driller		402
Min. Dam.		402
Fluid Level		402
Rim @ 0F		
Operating Time		2 1/2
Truck No.		30
Reported By		JAMES
Witnessed By		TAPEW



ROKE

ON LOG
ALBERTA
ONE
ON/NEUTRON
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NCH

73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SEC TWP RGE W M	WELL	RH 331
	LOCATION	EAGLE MTN.
	FIELD	FORDING
PROVINCE		BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL	Elev.
or Measured from	GROUND LEVEL	Ft. Above Perm. Datum
Well Depths Measured from	GROUND LEVEL	
Run No.	ONE	
Date	25 JUNE 1973	
First Reading	342	
last Reading	0	
Footage Logged	342	
Depth Reached	345	
Depth Driller	343	
Casing Roker		
Casing Driller		
Fluid Type	AIR / WATER	
liquid Level	189FT	
Min. Diam.	4 1/4 INCH	
Run @ °F		
Operating Time	1 3/4 HOURS	
Truck No.	30	
recorded By	JAMES	Witnessed By TAPLIN

OIL ENTERPRISES LTD. CALGARY, ALBERTA

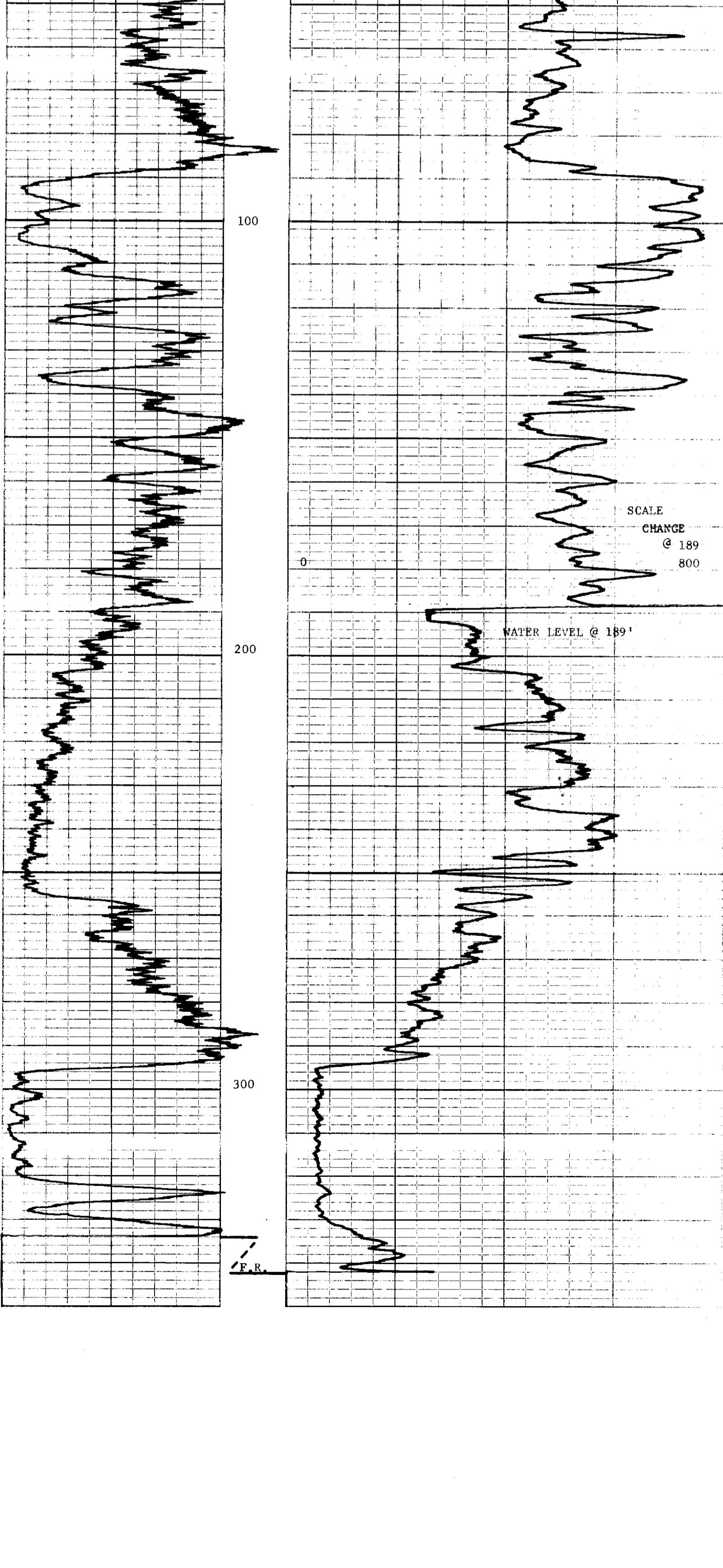
3/5

GAMMA RAY

[View Details](#)

The figure consists of two side-by-side seismograms. The left seismogram displays a series of vertical spikes of varying amplitudes, with some horizontal noise between them. The right seismogram features a prominent, sharp vertical spike at the beginning, followed by a series of smaller, horizontal oscillations.

10



ROKESIDEWALL DENSILOG
K-FORING 73/3A-1

FILE NO. OIL ENTERPRISES LTD. CALGARY, ALBERTA

LSD FORDING COAL LIMITED
SEC. 331
WELL #
TWP.
RGE.
LOCATION EAGLE MTN.**315**M
FIELD FORDING
PROVINCE BRITISH COLUMBIA
GROUND LEVEL ELEV.
Log Measured from K.B.
Well Depths Measured from FT. Above Perm. Datum CSG
G.L.

Other Services CRN

Run No. ONE

Date 25 JUNE 1973

First Reading 339

Last Reading 0

Footage Logged 199

Depth Reached 345

Depth Driller 343

Casting Roker

Casting Driller

Fluid Type AIR / WATER

Liquid Level 189 FT

Min. Diam. 2 1/4 INCH

Rim @ Op.

Operating Time 1 1/2 HOURS

Truck No. 310

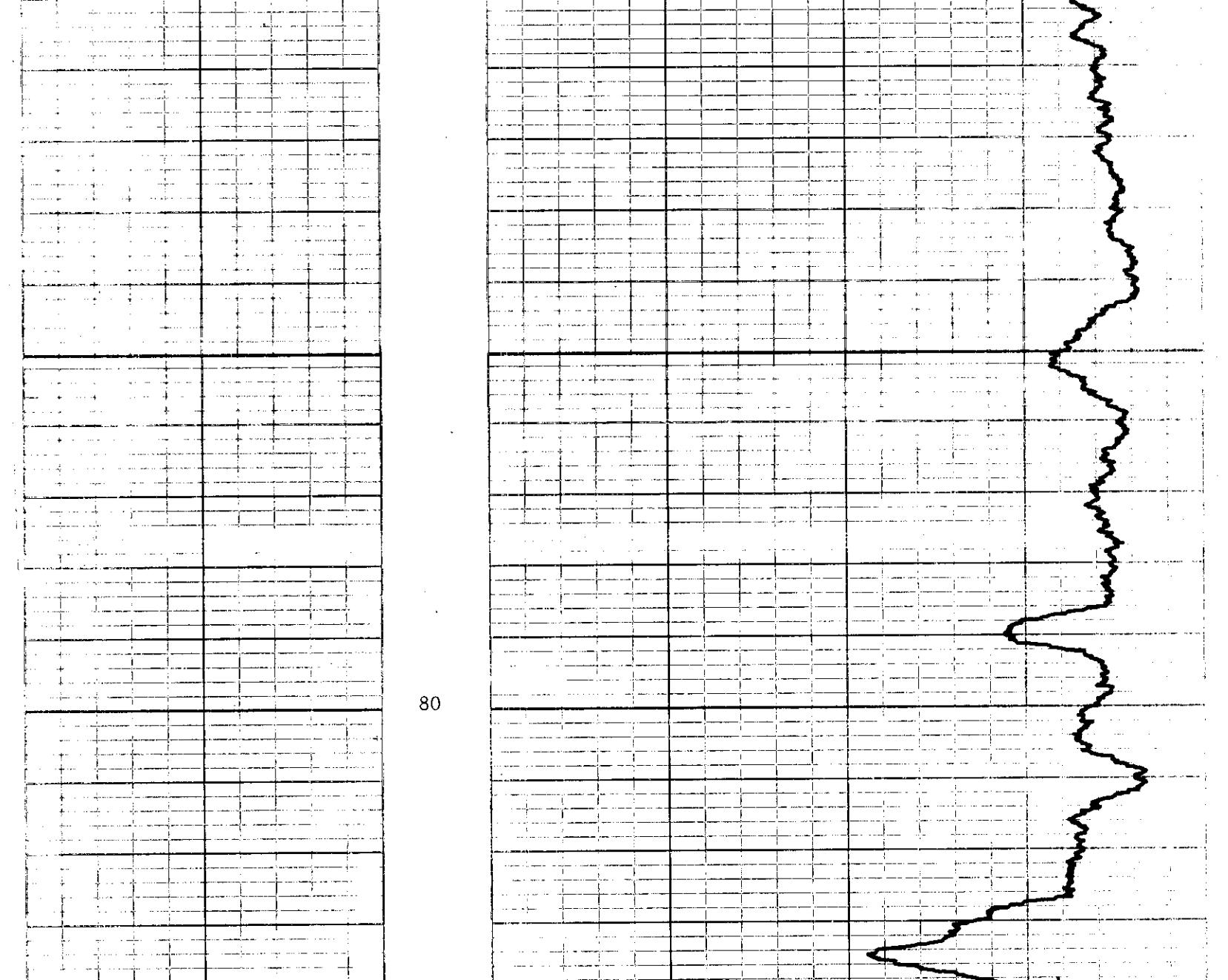
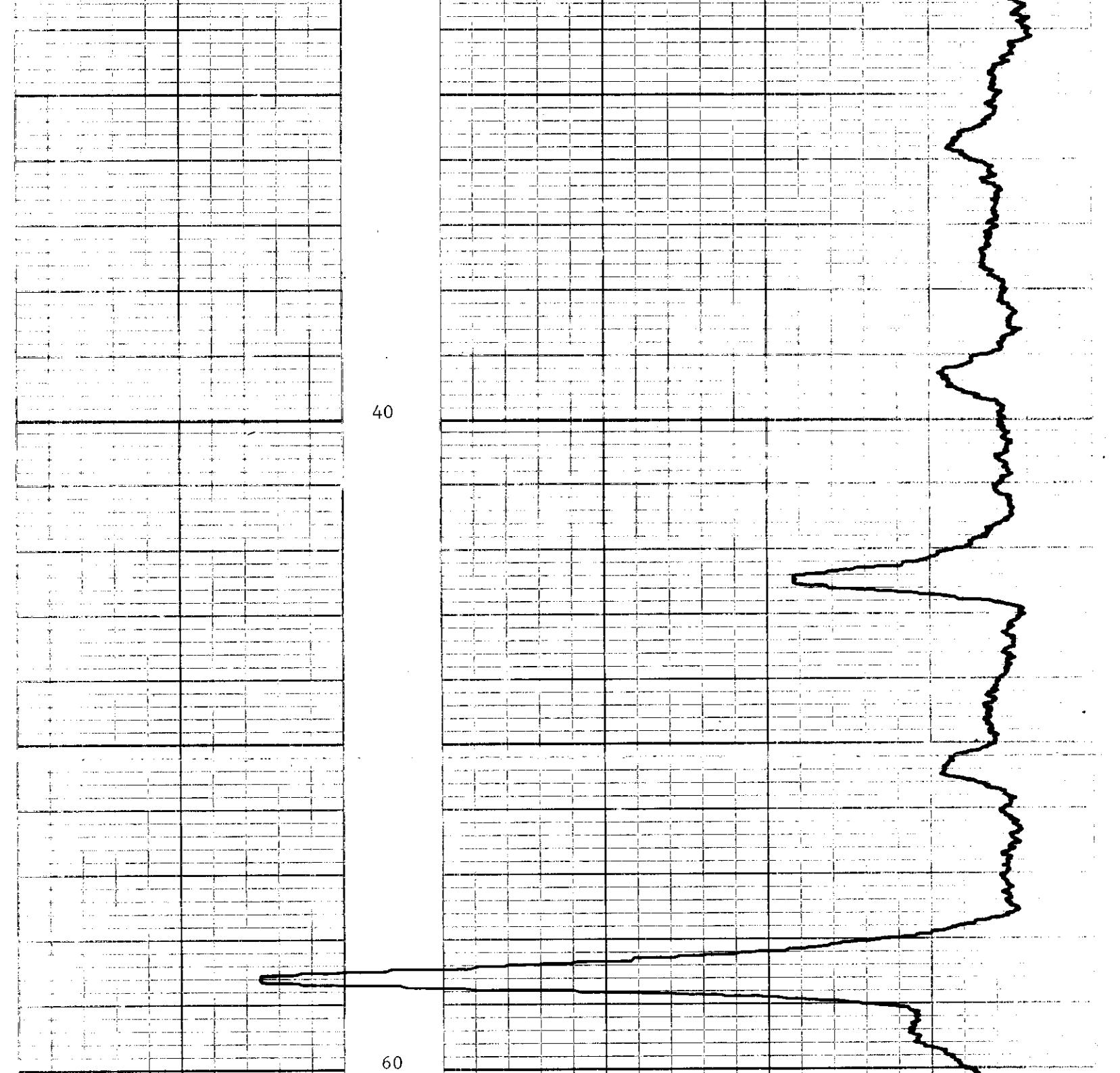
Recorded By JAMES

Witnessed By TAPLIN

LOGGING DATA

RUN NO.	DEPTH FROM	DEPTH TO	SPEED FT/MIN	T.C. SEC	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.	0.05 GM / CC PER DIV.	0.05 GM / CC PER DIV.
1	0	150	4	3	1000	4.93 R			
1	290	339	4	3	1000	4.93 R			

REMARKS



ROKE

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY FORDING COAL LIMITED
LSD SEC WELL DDH - 332
TWP M LOCATION BROWNIE CREEK
RGE FIELD FORDING

315

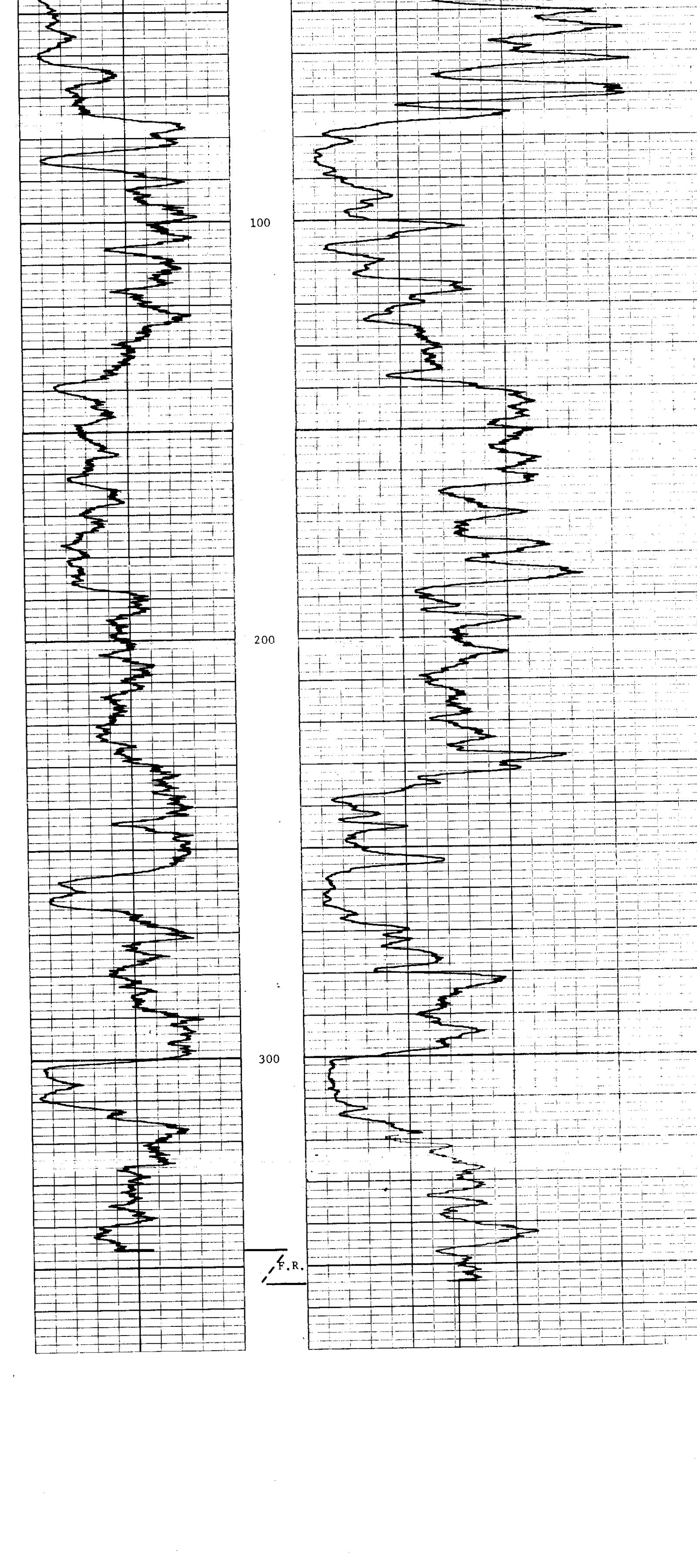
Permanent Datum	PROVINCE	BRITISH COLUMBIA	FIELD
Last Reading	GROUND LEVEL	Elev.	FORDING
Footage Logged	GROUND LEVEL	ft Above Perm. Datum	
Depth Reached			
Depth Driller			
Casing Roker			
Casing Driller			
Fluid Type	PROPORTIONAL		
Liquid Level	MUD		
Min. Diam.	FULL		
Rm @ OF	HQ		
Operating Time	2 HOURS		
Truck No.	32		
Recorded By	SIM	Witnessed By	RELL

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.	GEIGER	DIAMETER	
TYPE	18 INCH	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	8.55 FT.	TYPE	6 INCH
DISTANCE TO N. SOURCE		LENGTH	MRC-N-SS-W
GENERAL		SOURCE MODEL NO.	
HOIST TRUCK NO.	32	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN2704A-65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA

0



Greenhills
DDH 700 - DDH 704

MAMMA

GAMMA RAY NEUTRON LOG

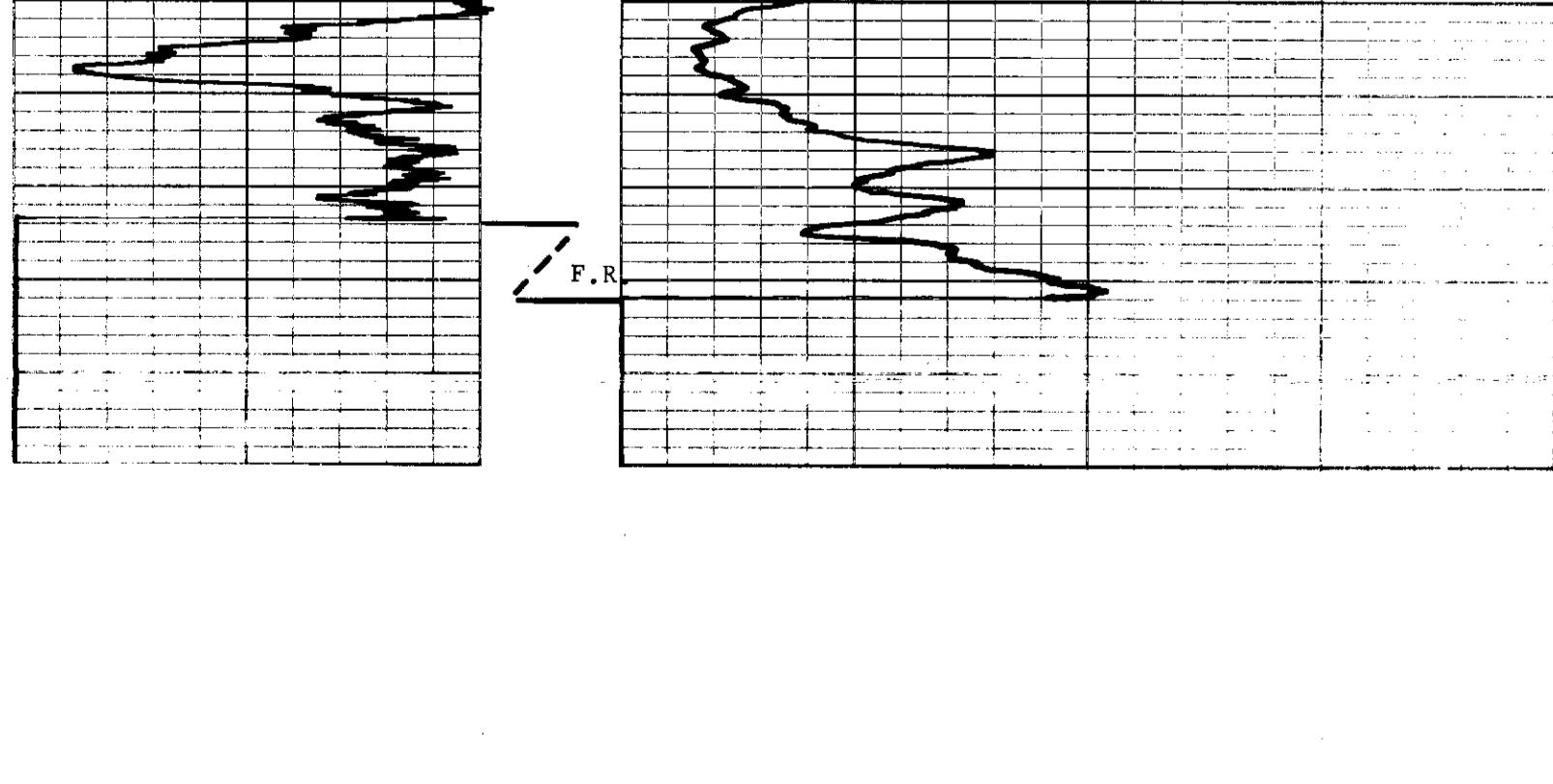
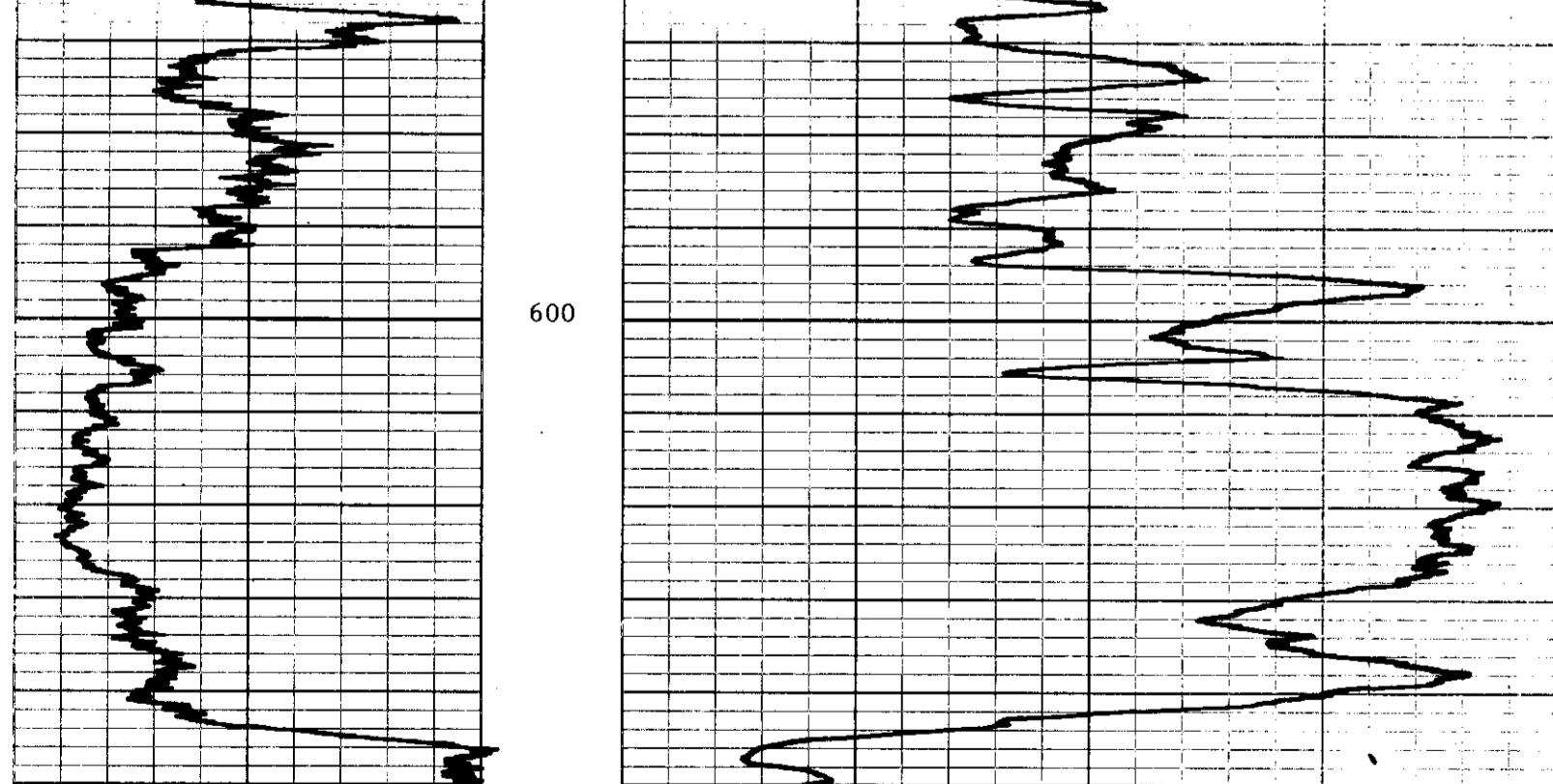
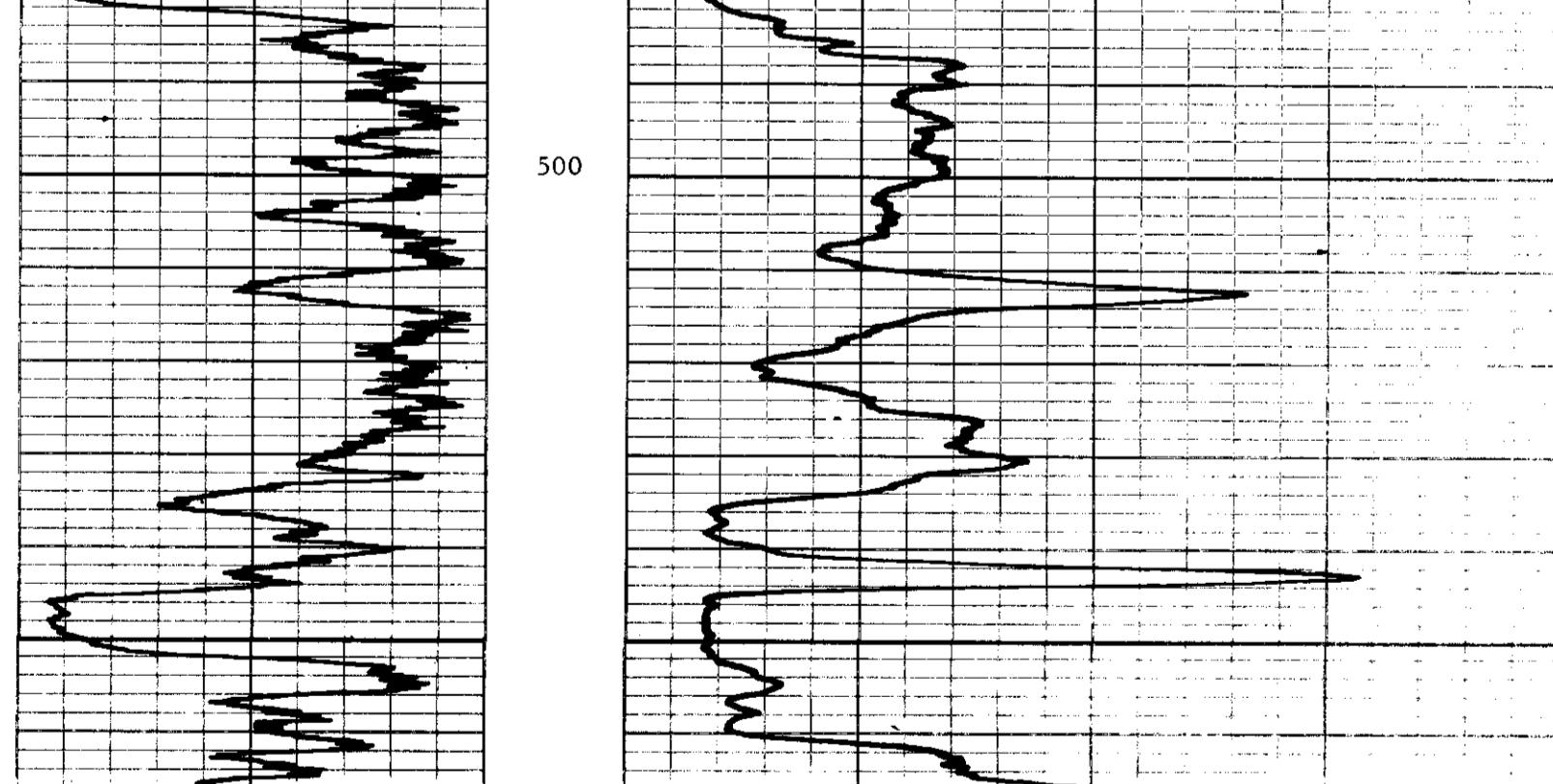
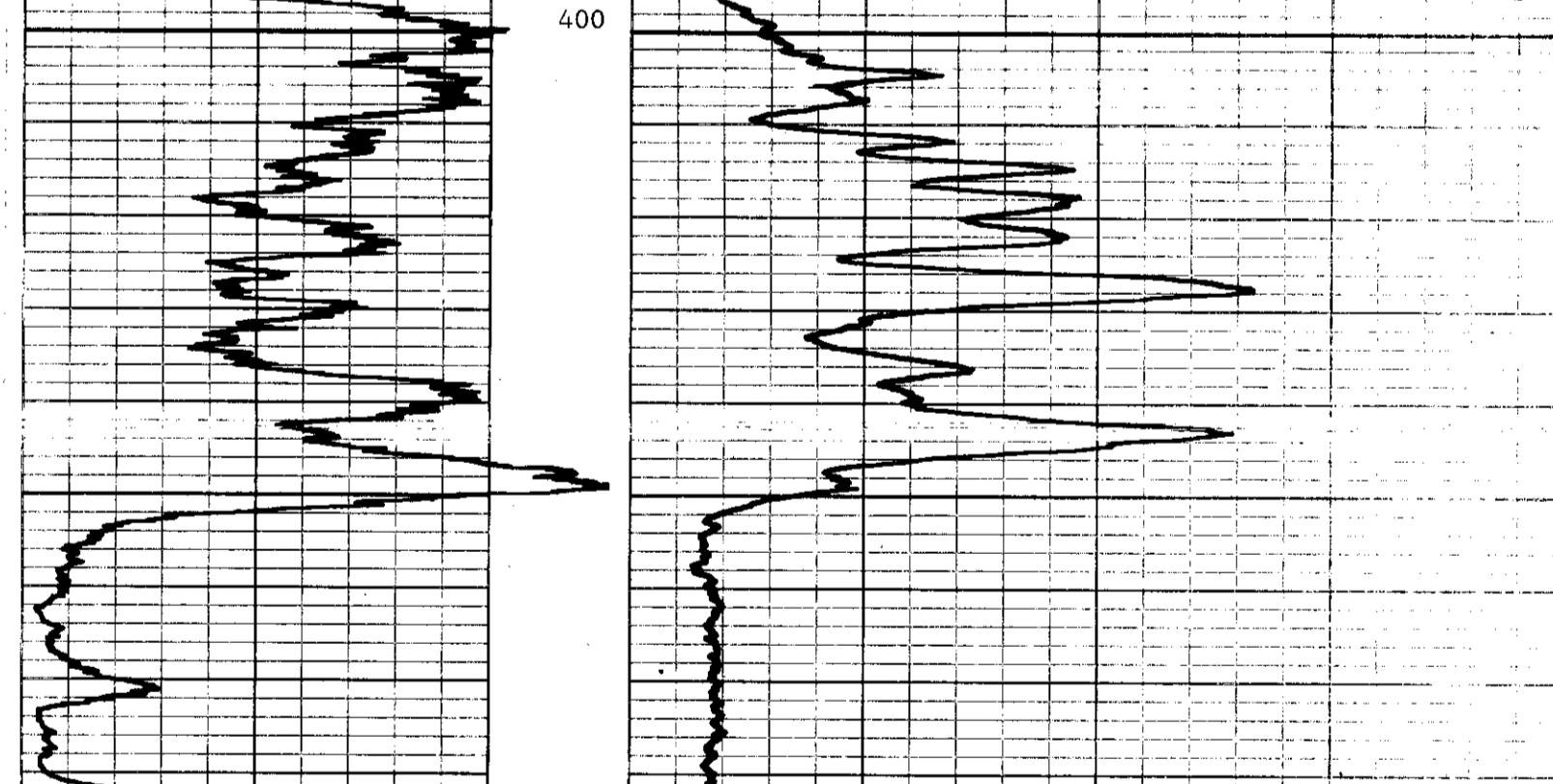
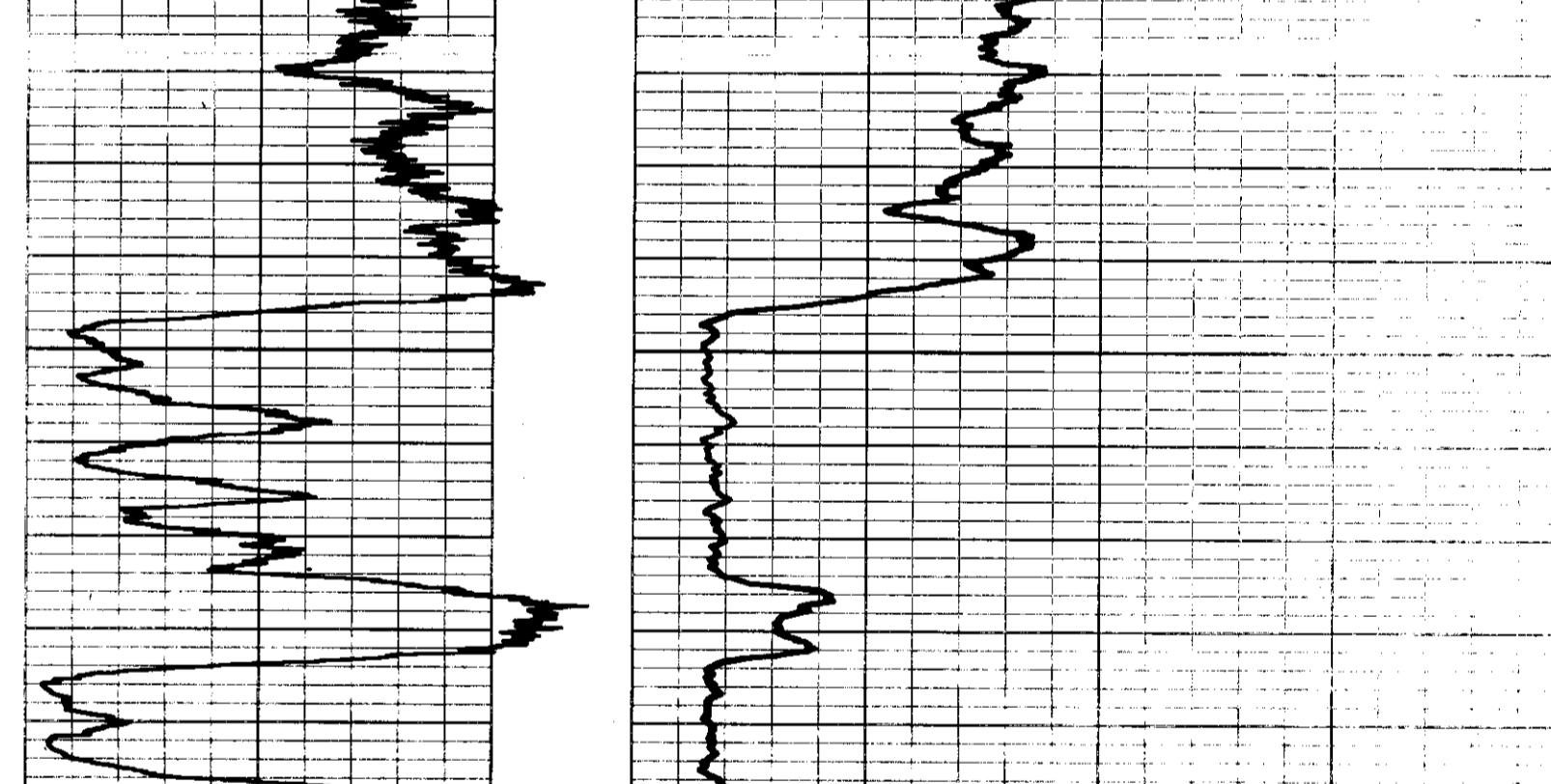
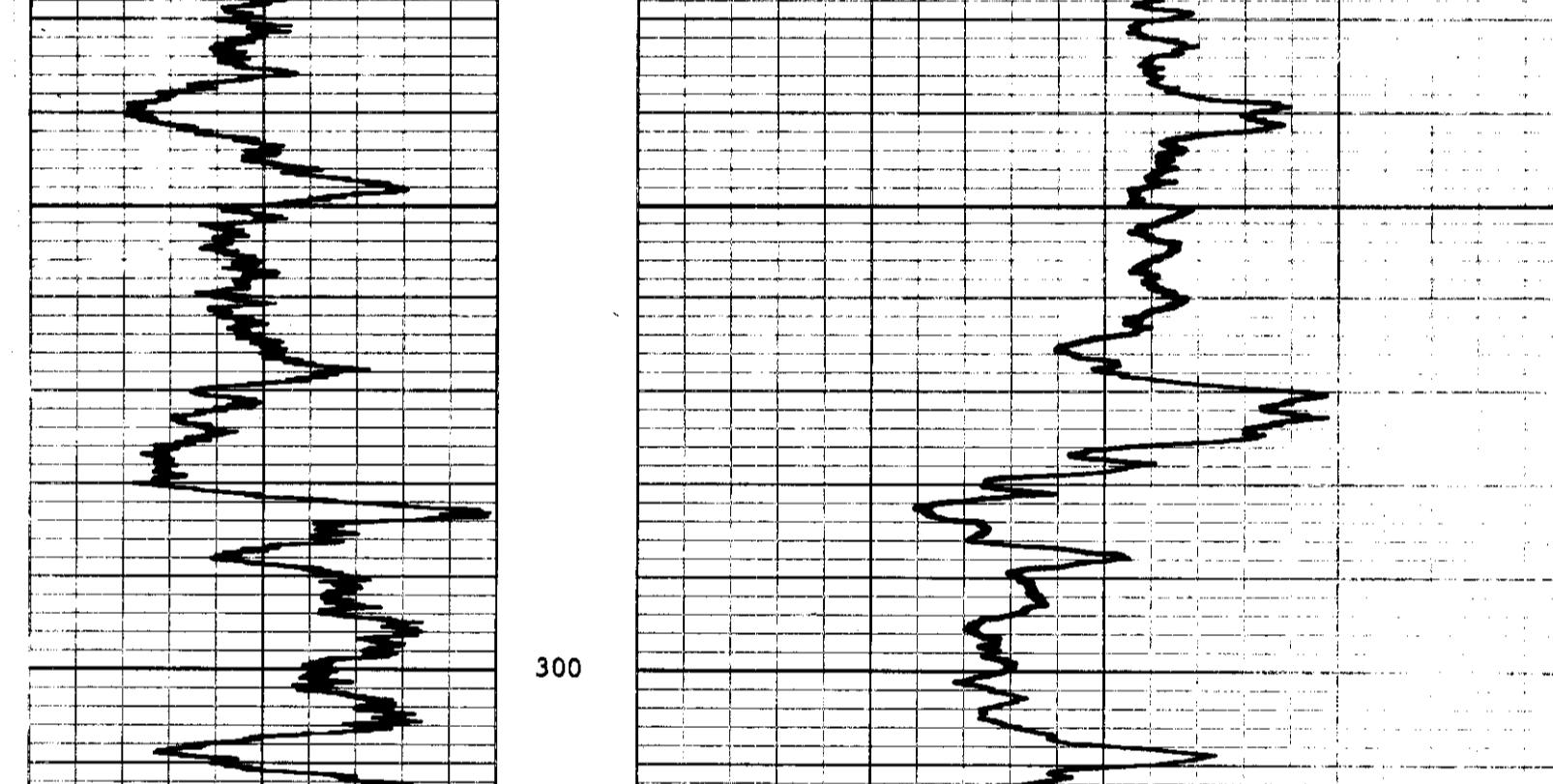
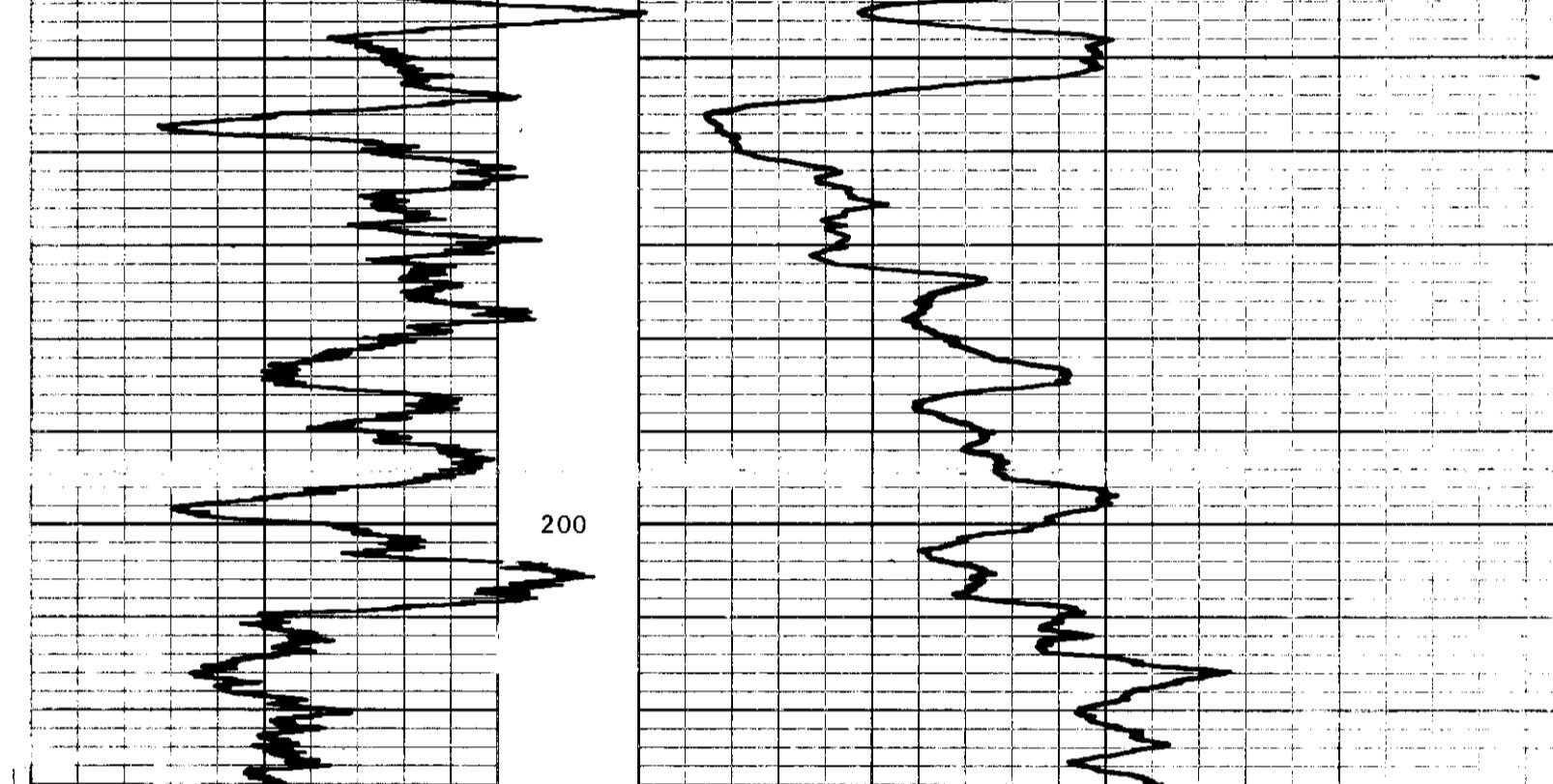
K-forest/73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	DDH 700
SEC		
TWP		
RGE		
W	LOCATION	GREENHILLS
M		
FIELD FORDING		
315		

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	1 $\frac{11}{16}$
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA					
GENERAL		GAMMA RAY		NEUTRON	
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO
	FROM	TO	SEC.	SETTINGS	API G. R. UNITS
1	0	682	11	5	100
					OL
					10
					3
					500
					OL
					40 CPS

REMARKS



Recorded By JAMES Witnessed By BILL

ROKE

SIDEWALL DENSILOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K-FORCE-1 73(3)A-1

FILE NO.	COMPANY	FORING COAL LIMITED
LSD	WELL	DH 700
SEC	DRILLING	
TMP	LOCATION	GREN HILLS
W	M	
		FIELD

315

PROVINCE: BRITISH COLUMBIA	
Permanent Datum:	Ground Level
Log Measured from:	Ground Level
Well Depth Measured from:	
Run No.	Date
	5 JULY 1973
Bit Reaction:	0
Set Height:	300
Footage Sped:	687
Depth Reached:	688
Coring Rake:	
Coring Driller:	40 FT
Fluid Type:	WATER
Level Level:	Surface
Min. Diam.:	H.Q.
Run @ Qf:	
Operating Time:	Two hours
Truck No.:	30

Recorded By: JAMES Written By: NEIL

LOGGING DATA

RUN DEPTHS SPEED T.C. SENS. ZERO CPS/DIV.

NO. FROM TO FT/MIN SEC. SETTINGS DIV. L OR R

1 0 20)

1 50 130)

1 150 170)

1 340 410)

1 450 490)

1 530 570)

1 640 670)

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ROKEGAMMA RAY NEUTRON LOG
K-SERIAL 73(3)P-1

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD	WELL	DDH 701	
SEC			
TWP			
RGE			
W.	LOCATION	GREENHILLS	
M.			
FIELD FORDING			
PROVINCE BRITISH COLUMBIA			
Permanent Datum GROUND LEVEL			
Log Measured from GROUND LEVEL			
Well Depths Measured from GROUND LEVEL			
Run. No.	ONE		
Date	16 JULY 1973		
First Reading	0		
Last Reading	687		
Footage Logged	688		
Depth Reached	688		
Casing Rotke			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	63 FT		
Min. Dam.	HQ		
Rpm @ OF			
Operating Time	2 HOURS		
Track No.	30		
Recorded By	JOHNSON	Witnessed By	BELL

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	1 1/16	LOG TYPE	NEUTRON/NEUTRON
DIAMETER		TOOL MODEL NO.	1 1/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
	GENERAL	SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3. CURRIE

LOGGING DATA

RUN NO.	GENERAL			GAMMA RAY				NEUTRON				
	DEPTH	FROM	TO	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS
NO.	FT	FT	FT	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	40	11	11	5	100	00	10	3	1000	0	80 CPS
1	40	687	11	11	5	100	0	10	3	500	0	40 CPS

REMARKS

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES →

NEUTRON INCREASES →

APT 10

CPS 80

DEPTH

000

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

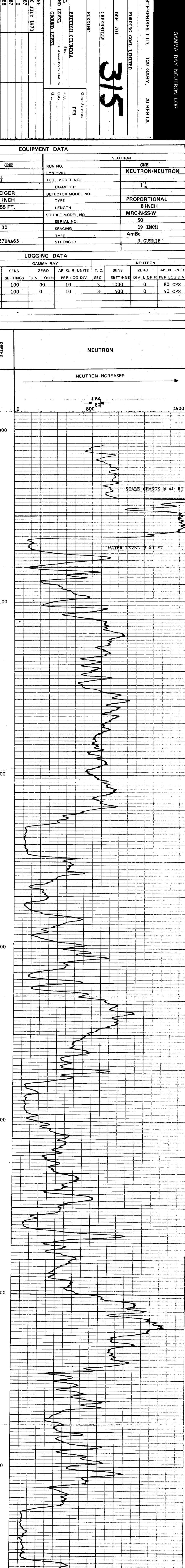
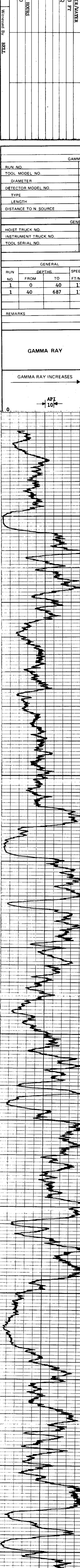
1500

1600

SCALE CHANGE @ 40 FT

WATER LEVEL @ 63 FT

F.F.



ROKE

K-forex-73(3A-1)

OIL ENTERPRISES LTD.
CALGARY,
ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORUM COAL LIMITED
LSD SEC	WELL	DDH 702
TWP	LOCATION	GREENHILLS
RGE	FIELD	FORUM
W. M.	PROVINCE	BRITISH COLUMBIA
Prem. Datum	GROUND LEVEL	Elev.
Loc Measured from		ft. Above Prem. Datum
Well Depth Measured from		G.L.
Run No.	ONE	DENS
Date	24 JULY 1973	Other Services:
First Reading	0	K.B.
Last Reading	636	C.S.G.
Footage Logged		G.L.
Run No.	ONE	NEUTRON
LOG TYPE	NEUTRON/NEUTRON	ONE
TOOL MODEL NO.	TOOL MODEL NO.	DIAMETER
DIAMETER	DIAMETER	1 1/16
DETECTOR MODEL NO.	DETECTOR MODEL NO.	TYPE
TYPE	TYPE	PROPORTIONAL
LENGTH	LENGTH	6 INCH
DISTANCE TO N. SOURCE	SOURCE MODEL NO.	MRC-N-SS-W
GENERAL	SERIAL NO.	50
HOIST TRUCK NO.	SPACING	19 INCH
INSTRUMENT TRUCK NO.	TYPE	AmBe
TOOL SERIAL NO.	STRENGTH	3 x 10 ¹⁰ NSE
315		

EQUIPMENT DATA					
GAMMA RAY			NEUTRON		
RUN NO.	ONE		RUN NO.	ONE	
TOOL MODEL NO.			LOG TYPE	NEUTRON/NEUTRON	
DIAMETER	1 1/16		TOOL MODEL NO.		1 1/16
DETECTOR MODEL NO.			DIAMETER		
TYPE	GEIGER		DETECTOR MODEL NO.		
LENGTH	18 INCH		TYPE	PROPORTIONAL	
DISTANCE TO N. SOURCE	8.55 FT.		LENGTH	6 INCH	
GENERAL			SOURCE MODEL NO.	MRC-N-SS-W	
HOIST TRUCK NO.	30		SERIAL NO.	50	
INSTRUMENT TRUCK NO.			SPACING	19 INCH	
TOOL SERIAL NO.	CGN27U4A 65		TYPE	AmBe	
			STRENGTH	3 x 10 ¹⁰ NSE	

LOGGING DATA								
GENERAL			GAMMA RAY			NEUTRON		
RUN NO.	DEPTH(S)	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS
NO.	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SETTINGS
1	0	88	11	5	100	0L	10 API	3
	88	636	11	5	100	0L	10 API	3

REMARKS

GAMMA RAY NEUTRON

GAMMA RAY INCREASES → NEUTRON INCREASES →

0 100 800 1600

000

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

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2100

2200

2300

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12800

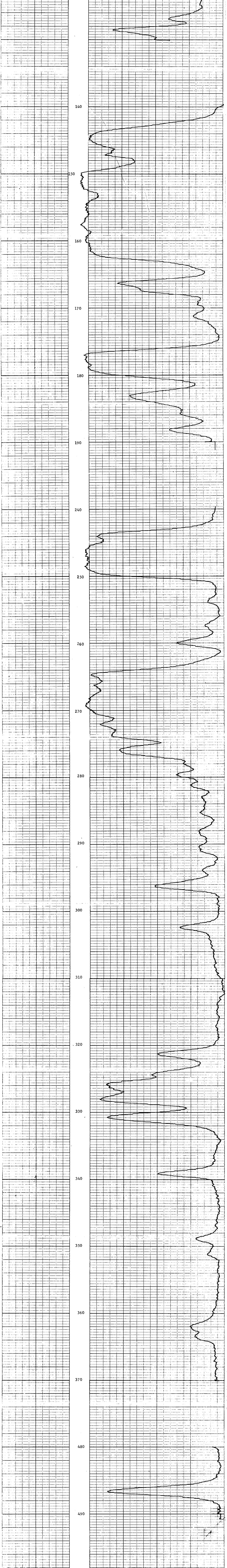
12900

ROKES. D. WALL DENSILOG
OIL ENTERPRISES LTD., CALGARY, ALBERTA

K-F 73/20-1

LSD	FILE NO.	OIL ENTERPRISES LTD.	
SEC	COMPANY	CALGARY, ALBERTA	
TWP	FORDING COAL LIMITED		
RGE	WELL	DHR 702	
M	LOCATION	GRENfell	
	FIELD	FORDING	
	PROVINCE	BRITISH COLUMBIA	
Permanent Datum		GROUND LEVEL	
Well Depth Measured from		GROUND LEVEL	
Fwd. Reading			
Abs. Reading			
Depth Logged			
Depth Reached			
Depth Drillin			
Casing Hole			
Casing Drillin			
Fluid Type		WATER	
Invert Level		90 FT	
Min. Diam.		HQ	
Rim @ QF			
Operating Time		3 HOURS	
Truck No.		30	
Recorded By	JOHNSON	Witnessed By	TAPLIN

315



ROKE

GAMMA RAY LOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K - FORGE 3/3A

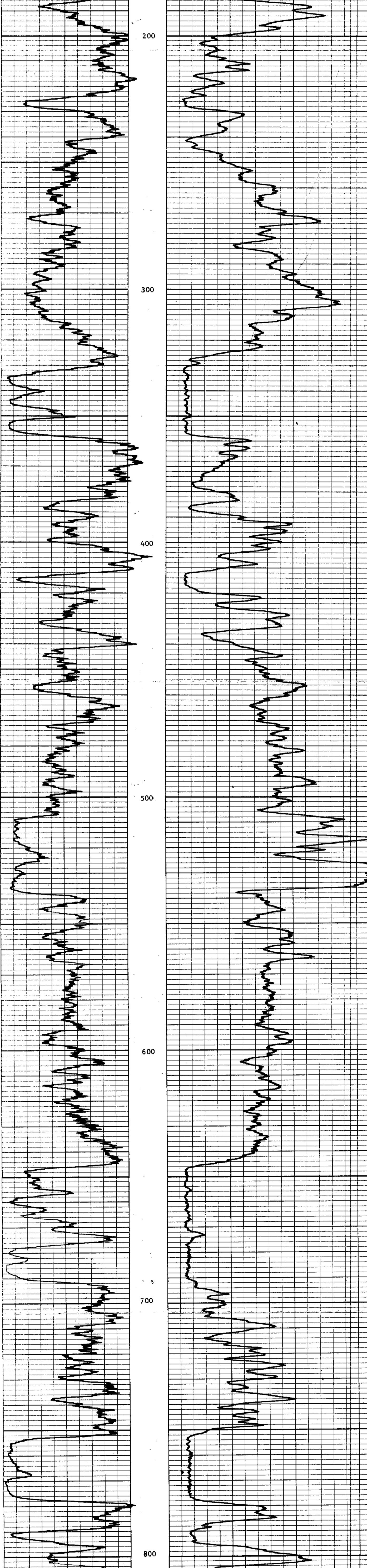
LSD	FILE NO.	COMPANY	FORDING COAL LIMITED
SEC	WELL	DDH	703
TWP	LOCATION	GREENHILLS	
RGE	FIELD	FORDING	
W	PROVINCE	BRITISH COLUMBIA	
M	GROUND LEVEL	Elev. Ft. Above Penn Datum	
WELL Depth Measured from	GROUND LEVEL	G.L.	
Other Services:			
DENS			

315

EQUIPMENT DATA	
GAMMA RAY	NEUTRON
RUN NO.	ONE
TOOL MODEL NO.	11/16
DIAMETER	1 1/16
DETECTOR MODEL NO.	GEIGER
TYPE	18 INCH
LENGTH	8.55 FT.
DISTANCE TO N. SOURCE	GENERAL
HOIST TRUCK NO.	30
INSTRUMENT TRUCK NO.	CGN27U4A 65
TOOL SERIAL NO.	

LOGGING DATA	
GENERAL	GAMMA RAY
RUN NO.	RUN NO.
DEPTH	LOG TYPE
FROM	TO
1 0	75
75	960
LAST READING	0
Footage Logged	960
Depth Reached	961
DEPTH REACHED	
DEPTH DRILLED	
CASING DRILLER	
FLUID TYPE	H2O
Liquid Level	77 FT
Min. Diam.	HQ
OPERATING TIME	3 HOURS
TRUCK NO.	30
RECORDED BY	JOHNSON
WITNESSED BY	BELL

REMARKS



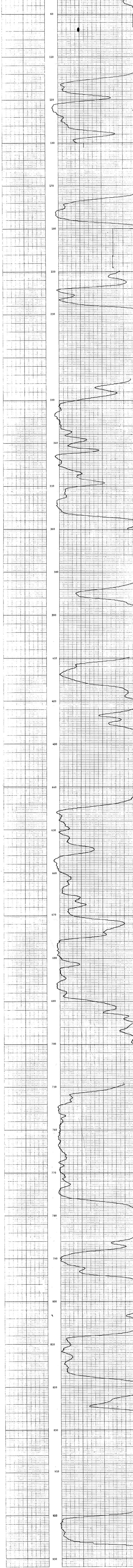
ROKE

SLIDEWALL DENSILOG
K-Frac 733A-1

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	FORING CO. LTD.
LSD	WELL	DRI 703
SEC	TEMP	
TIME	ROE	
ROE	LOCATION	GREENHILLS
M		
N		
FIELD		
FORING		
PROVINCE: BRITISH COLUMBIA		
Permanent Datum: GROUND LEVEL		
Low Measured from: 1' Above Pm. Datum		
True Depth: Measured from: GL		
Other Survey: GRN		

315



Recorded By: JOHNSON

Witnessed By: WELL

ROKE

K - Fording 73/3-A-1

GAMMA RAY NEUTRON LOG
OIL ENTERPRISES LTD., CALGARY, ALBERTA**315**

FILE NO.	COMPANY		FORDING COAL LIMITED
LSD	WELL	DDH 704	
TWP	SEC		
RGE	LOCATION	GREENHILLS	
W	M		
FIELD		FORDING	
PROVINCE		BRITISH COLUMBIA	
Permanent Datum		Elev	
Last Measured from		Ft. Above Prim. Datum	
WELL Depth Measured from		G.L.	
Other Services			
TOOL MODEL NO.		GROUND LEVEL	
DIAMETER		K.B.	
DETECTOR MODEL NO.		CSD	
TYPE		DENS	
LENGTH			
DISTANCE TO N. SOURCE			
GENERAL			
HOIST TRUCK NO.		32	
INSTRUMENT TRUCK NO.			
TOOL SERIAL NO.		CGN27U4A-65	

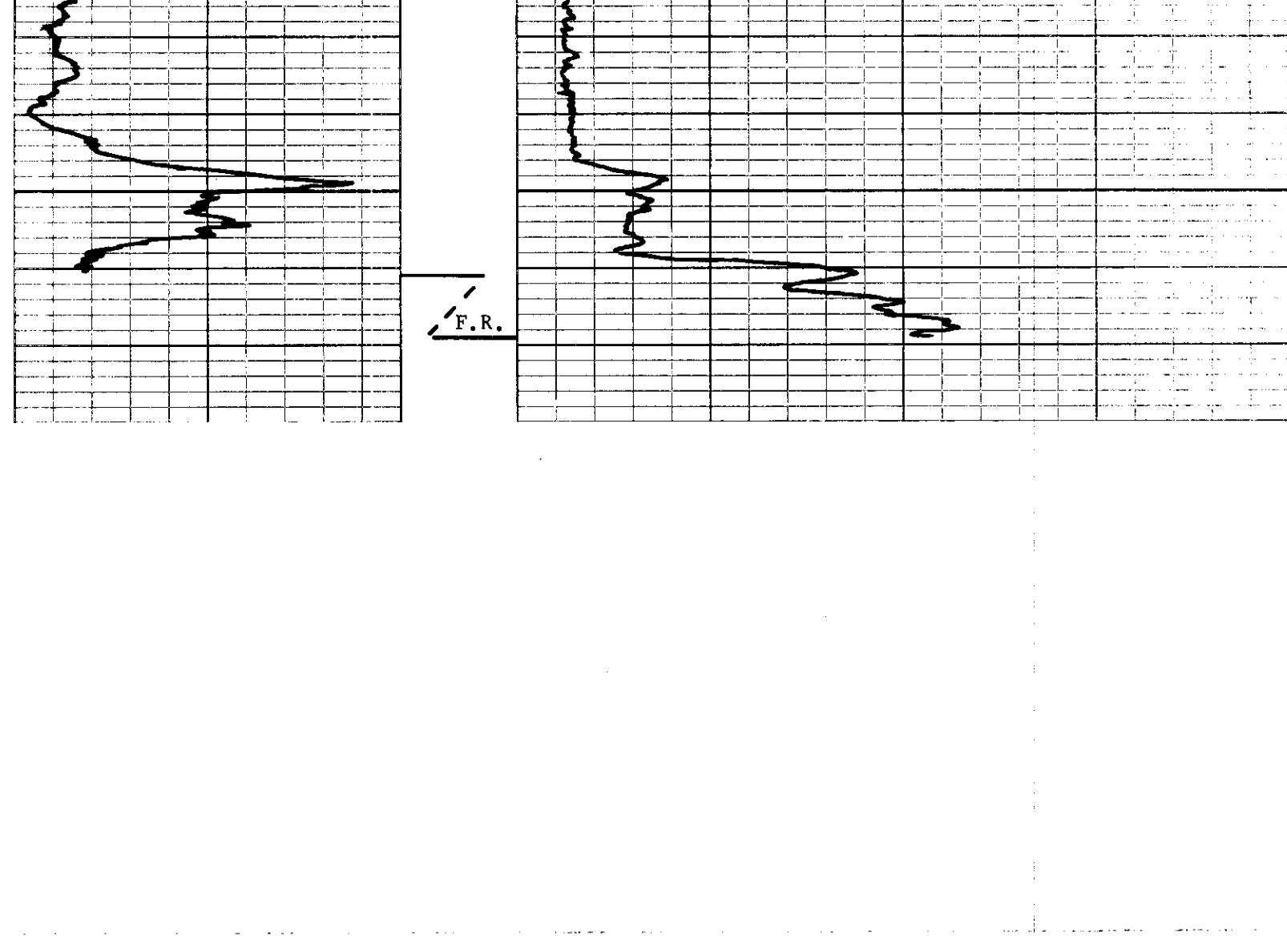
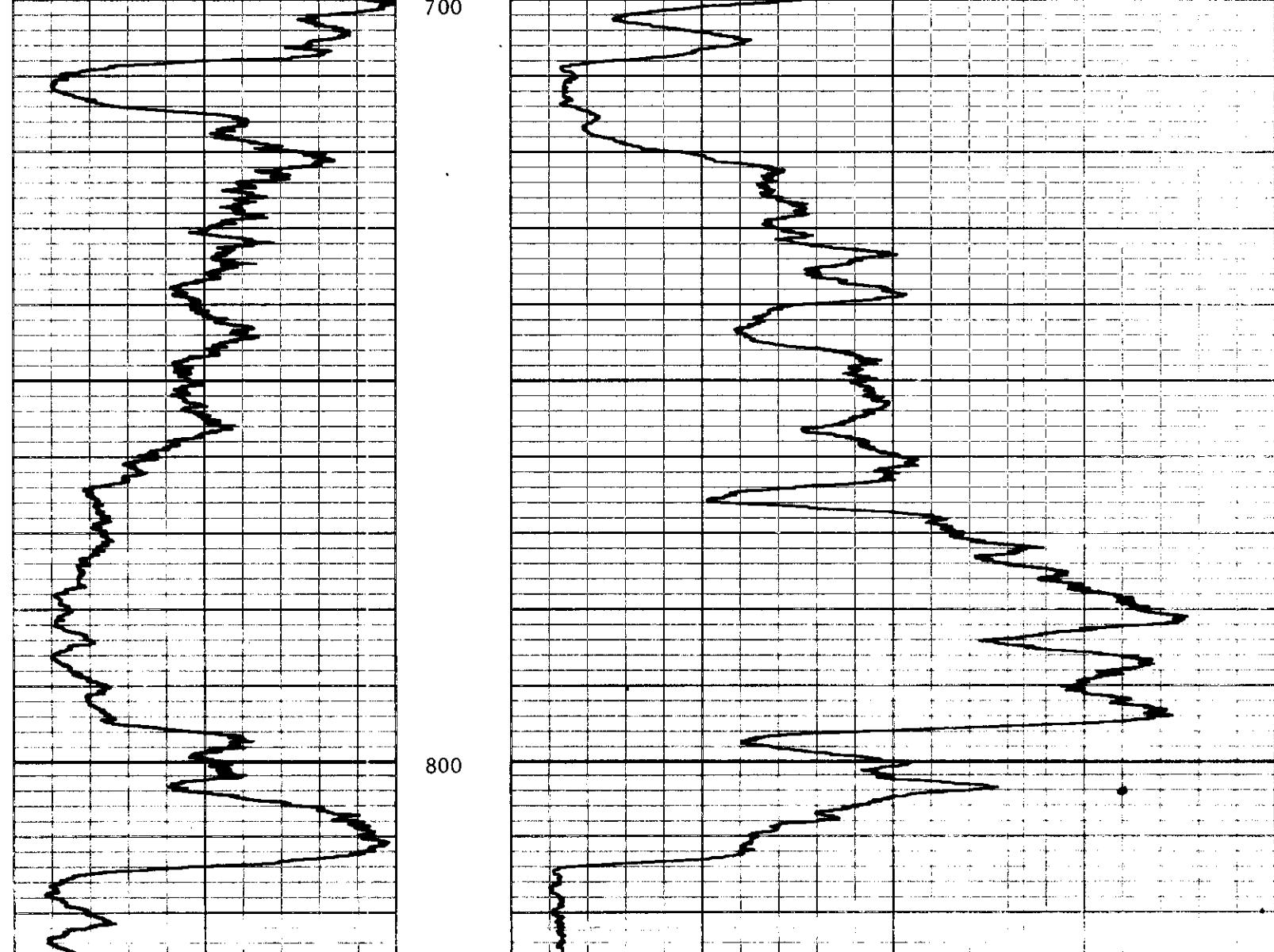
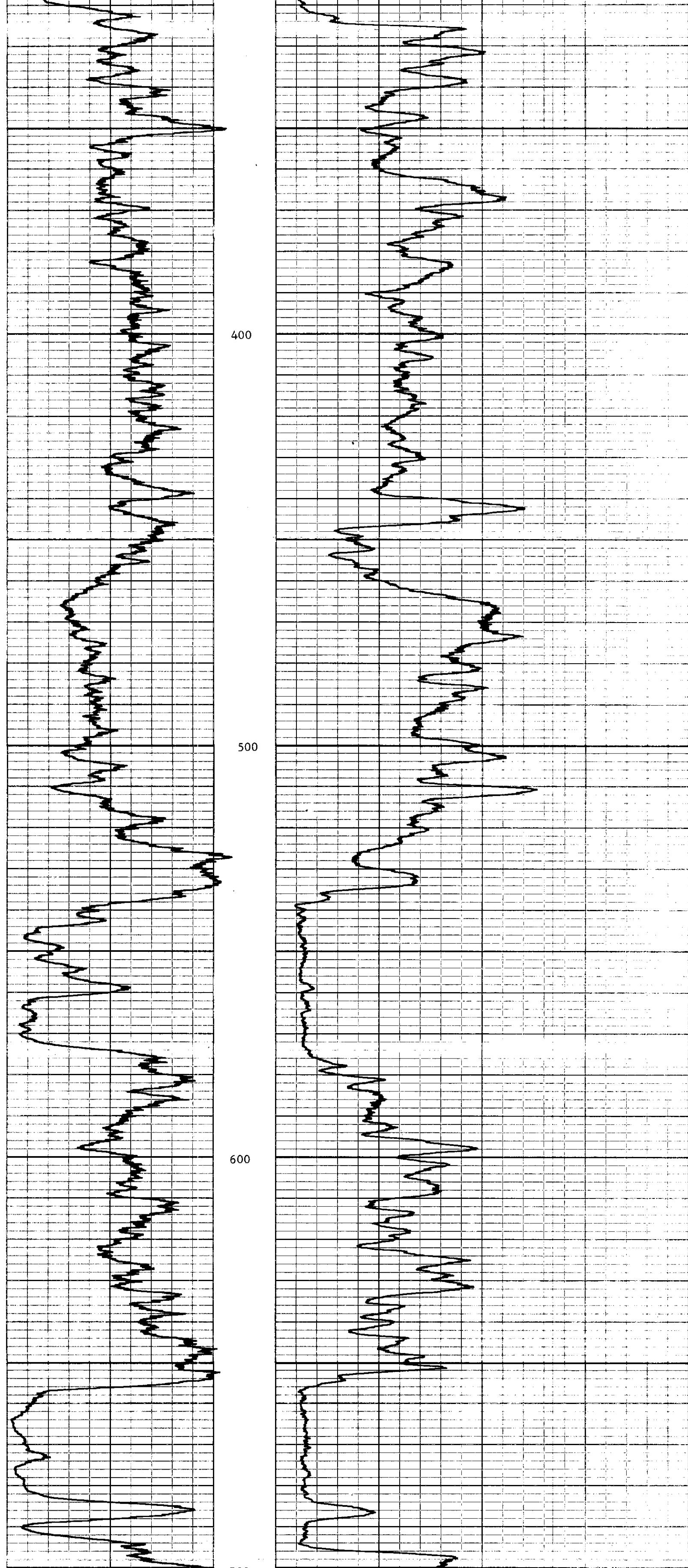
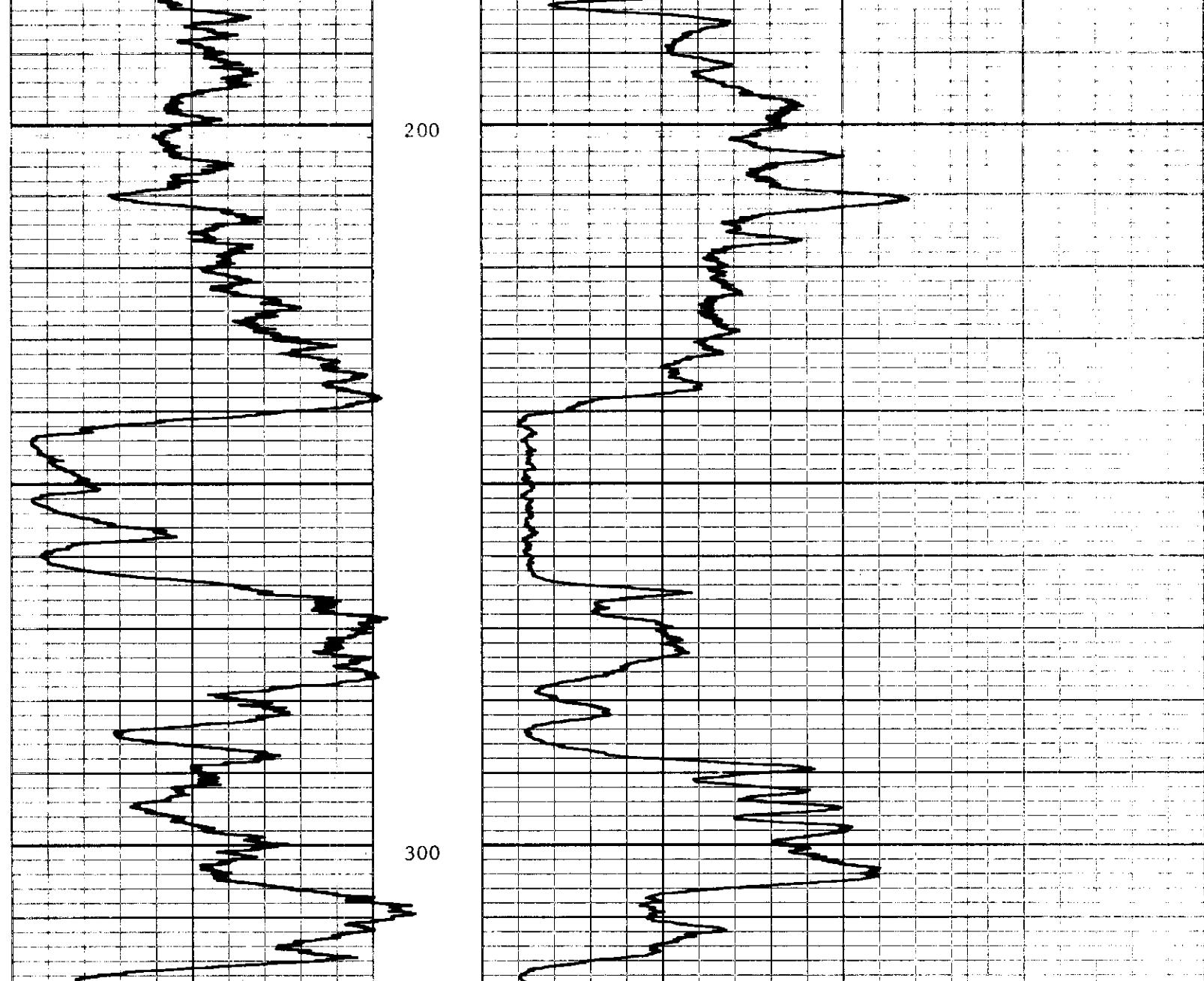
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/8	TOOL MODEL NO.	1 1/8
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	MRC-N-SS-W
GENERAL		SOURCE MODEL NO.	
HOIST TRUCK NO.	32	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A-65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA

GENERAL			GAMMA RAY						NEUTRON					
RUN NO.	DEPTH'S	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS	PER LOG DIV.			
1	FROM	TO	FT MIN	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC	1000	OL	80 CPS			
1	0	104	11	5	100	OL	10 API	3	1000	OL	40 CPS			
		869			100	OL	10 API	3	500					

REMARKS



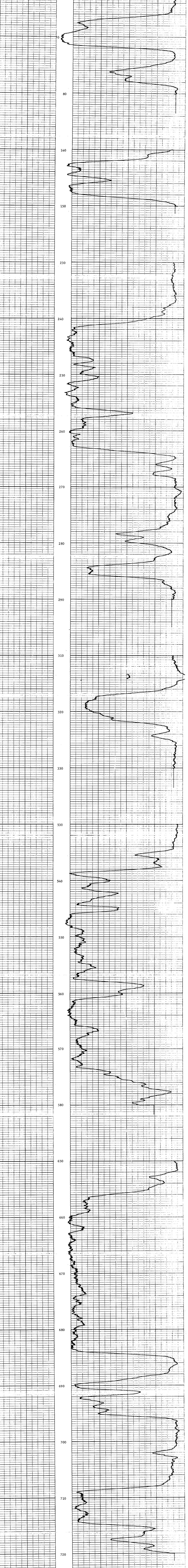
RECORDED BY	STIM	WITNESSED BY	BERTRAND
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ROKESIDEWALL DENSLOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K - FORCING 73(29-1)

FILE NO.	COMPANY	EQUINOX COAL LIMITED
LSD	WELL	DDB 704
SEC	TEMP	
TIME		
WGE	LOCATION	GRENVILLE
M	FIELD	FORCING
PROVINCE BRITISH COLUMBIA		
Permanent Datum GROUND LEVEL		
Log Measured from Well Depth Measured from		
Ft. Above Perm. Datum		
Other Services:		
CSG		
GL		

315



Recorded By SLM

Witnessed By REEDMAN

Greenhills

K-73-1000-1
73(2)A-1RH 705 to 738
MUDING : 721, 733RH 748 to RH 752
MUDING :HESSES LTD. CALGARY, ALBERTA
MING COAL LIMITEDHenetta Mountain
RH 900 & RH 901

315

W
M
R.G.E.
V.W.R.

705

FIELD

FORDING

LOCATION

GREENHILLS

PROVINCE

BRITISH COLUMBIA

Elev

Ft. Above Perm. Datum

GND. LEVEL

K.B.

C.S.G.

G.L.

Other Services:

DENS

GEIGER

PROPORTIONAL

6 INCH

MRC-N-SS-W

50

SERIAL NO.

SPACING

TYPE

AmBe

STRENGTH

3 CURRIE

EQUIPMENT DATA

GAMMA RAY				NEUTRON			
RUN NO.	ONE	RUN NO.	ONE				
TOOL MODEL NO.	1 1/16	LOG TYPE	NEUTRON/NEUTRON				
DIAMETER		TOOL MODEL NO.					
DETECTOR MODEL NO.		DIAMETER	1 1/16				
TYPE	GEIGER	DETECTOR MODEL NO.					
LENGTH	18 INCH	TYPE	PROPORTIONAL				
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH				
		SOURCE MODEL NO.	MRC-N-SS-W				
GENERAL		SERIAL NO.	50				
HOIST TRUCK NO.	32	SPACING					
INSTRUMENT TRUCK NO.		TYPE	AmBe				
TOOL SERIAL NO.	CGN2704A-65	STRENGTH	3 CURRIE				

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTH(S)	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV
1	0	722	11	5	100	0L	10 API	3	500	0L	40 CPS

REMARKS

GAMMA-RAY NEUTRON

GAMMA RAY INCREASES NEUTRON INCREASES

0 100 0 400

000 100 000 400

100 200 100 200

200 300 200 300

300 400 300 400

400 500 400 500

500 600 500 600

600 700 600 700

700 800 700 800

F.R.

500 600 500 600

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F.R.

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ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

K-FORING 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 706
SEC		
TWP		
RGE		
W	M	
LOCATION		
FIELD		
PROVINCE BRITISH COLUMBIA		
GROUND LEVEL Elev.		
LOG Measured from GROUND LEVEL If: Above Pern Datum		
Well Depths Measured from		
Other Services:		
Run No.	ONE	
Date	26 JUNE 1973	
First Reading	524	
Last Reading	0	
Footage Logged	524	
Depth Reached	530	
Depth Driller		
Casing Rroke		
Casing Driller		
Fluid Type	AIR/WATER	
Liquid Level	117 FT	
Min. Diam.		
Rm @ °F		
Operating Time	1 1/2 HOURS	
Truck No.	30	
Recorded By JAMES		
Witnessed By TAPLIN		

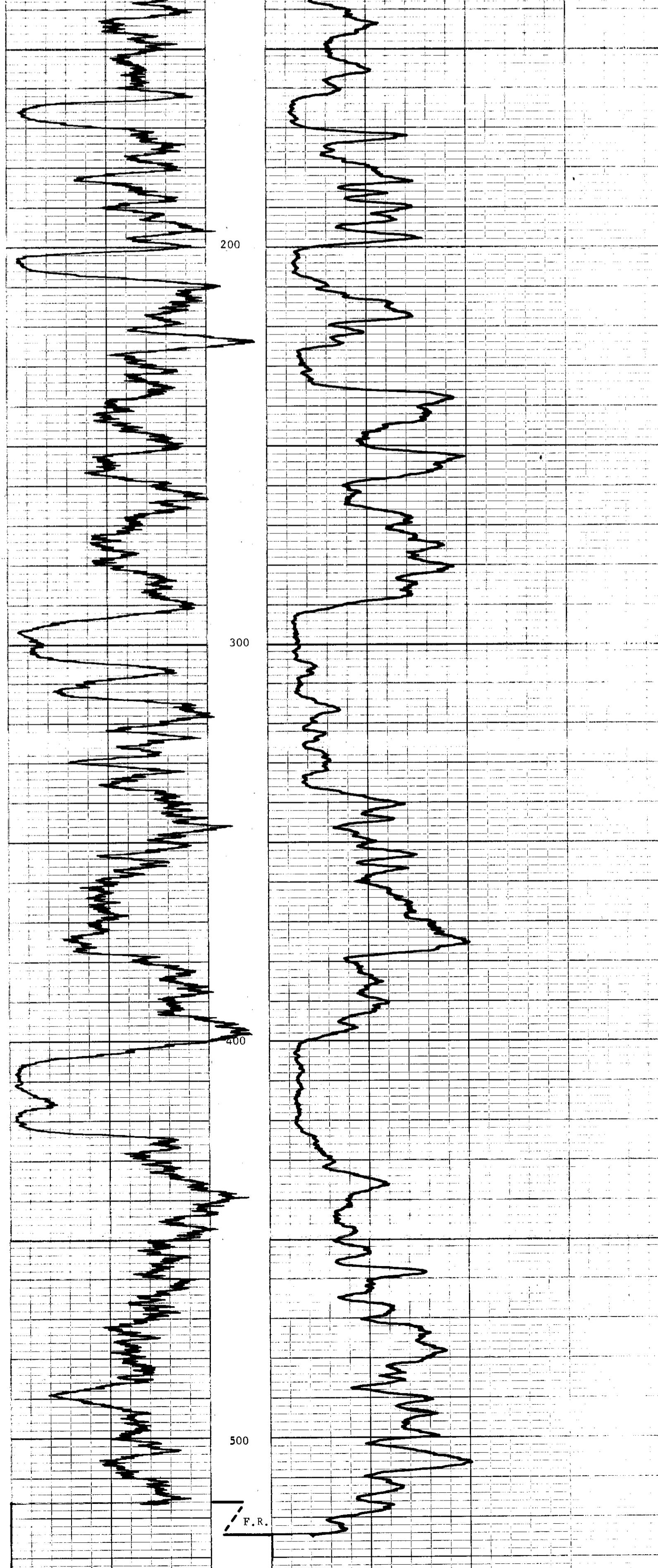
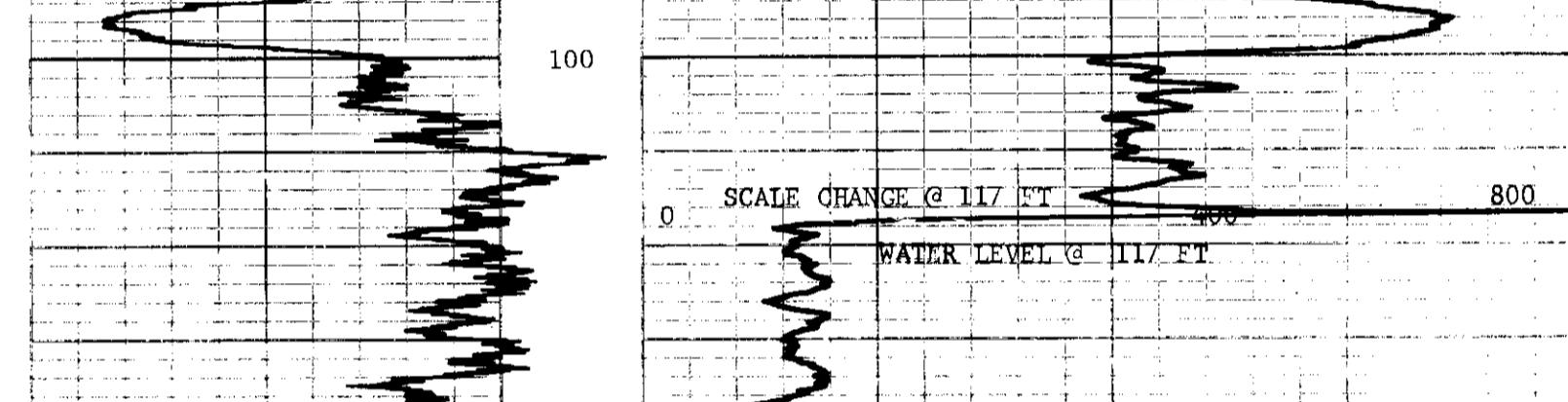
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	
INSTRUMENT TRUCK NO.	CGN27U4A65	SPACING	19 INCH
TOOL SERIAL NO.		TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	117	11	5	100	0L	10	3	1000	0L	80 CPS
1	117	524	11	5	100	0L	10	3	500	0L	40 CPS

REMARKS



ROKEK-Forrestus 73(3)A-1
SIDEWALL DENSILOG

FILE NO. OIL ENTERPRISES LTD. CALGARY, ALBERTA

FORDING COAL LIMITED

WELL RH 706

LSD SEC
TWP
RGE

M LOCATION

FIELD FORDING

PROVINCE BRITISH COLUMBIA

Permanent Datum GROUND LEVEL

Log Measured from GROUND LEVEL

Well Depth Measured from GROUND LEVEL

Run No. ONE

Date 26 JUNE 1973

First Reading 430

Last Reading 200

Footage Logged 530

Depth Drilled

3/5

Other Services:

GRN

Elev.

K.B.

C.S.G.

G.L.

LOGGING DATA

RUN NO.	DEPTH		SPEED FT/MIN.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.
	FROM	TO					
1	70	120					
1	140	180					
1	200	210	3	4	1000	4.93 R	0.05 GM/CC PER DIV
1	290	350					
REMARKS 390 430							

CALIPER

HOLE DIAMETER (INCHES)

DENSITY

CPS

BULK DENSITY (GRAMS/CC)

1.02

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DEPTH

F.R.

120

140

160

180

200

220

240

260

280

300

320

340

360

380

400

420

440

460

480

500

520

540

560

ROKEK-
forcast-73(3A)GAMMA RAY NEUTRON LOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

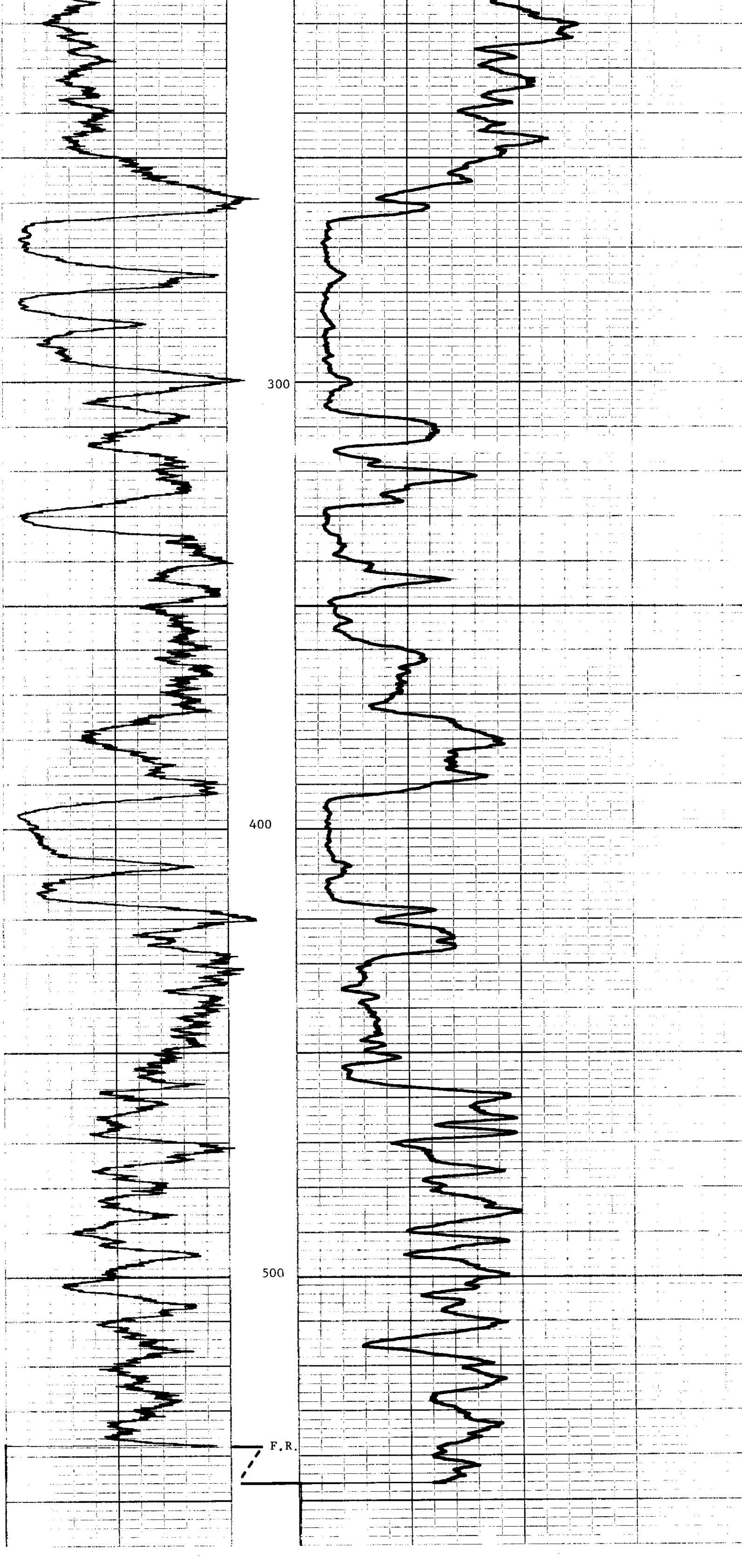
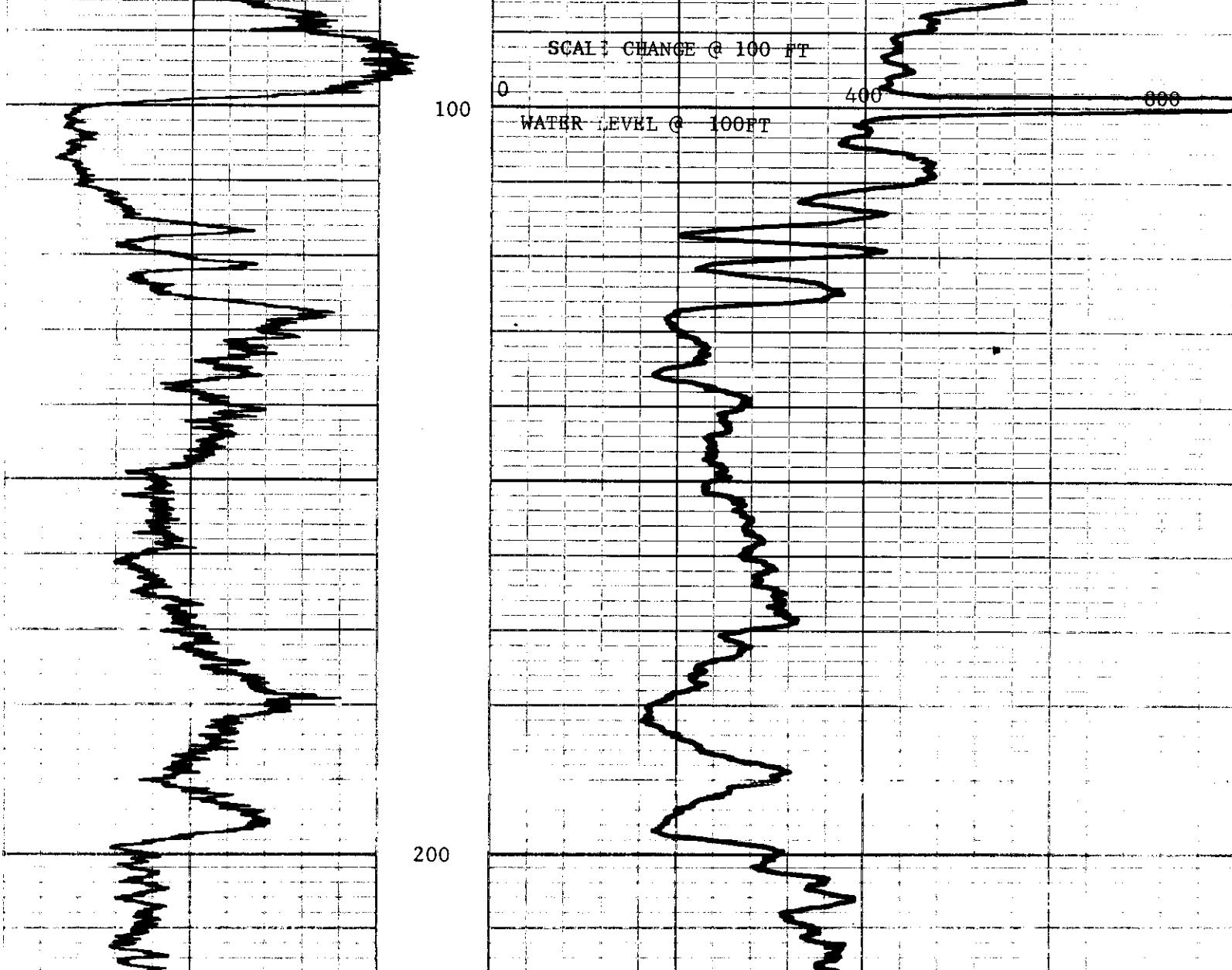
315

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 707
SEC		
TWP		
RGE		
W.	LOCATION	
M.		
FIELD FORDING		
PROVINCE BRITISH COLUMBIA		
Permanent Datum	GROUND LEVEL	Elev.
Log Measured from	GROUND LEVEL	ft. Above Perm. Datum
Well Depths Measured from	GROUND LEVEL	
Other Services:		

EQUIPMENT DATA		NEUTRON	
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.	GEIGER	DIAMETER	1 $\frac{11}{16}$
TYPE	18 INCH	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	8.55 FT.	TYPE	6 INCH
DISTANCE TO N. SOURCE		LENGTH	MRC-N-SS-W
		SOURCE MODEL NO.	
	GENERAL	SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.	CGN27U4A65	TYPE	AmBe
TOOL SERIAL NO.		STRENGTH	3 CURRIE

LOGGING DATA		GAMMA RAY		NEUTRON							
RUN NO.	DEPTH		T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC	SETTINGS	DIV. L OR R	PER LOG DIV.	
1	0	100	11	5	1000	0L	10	3	1000	0L	80 CPS
1	100	546	11	5	1000	0L	10	3	500	0L	40 CPS

REMARKS



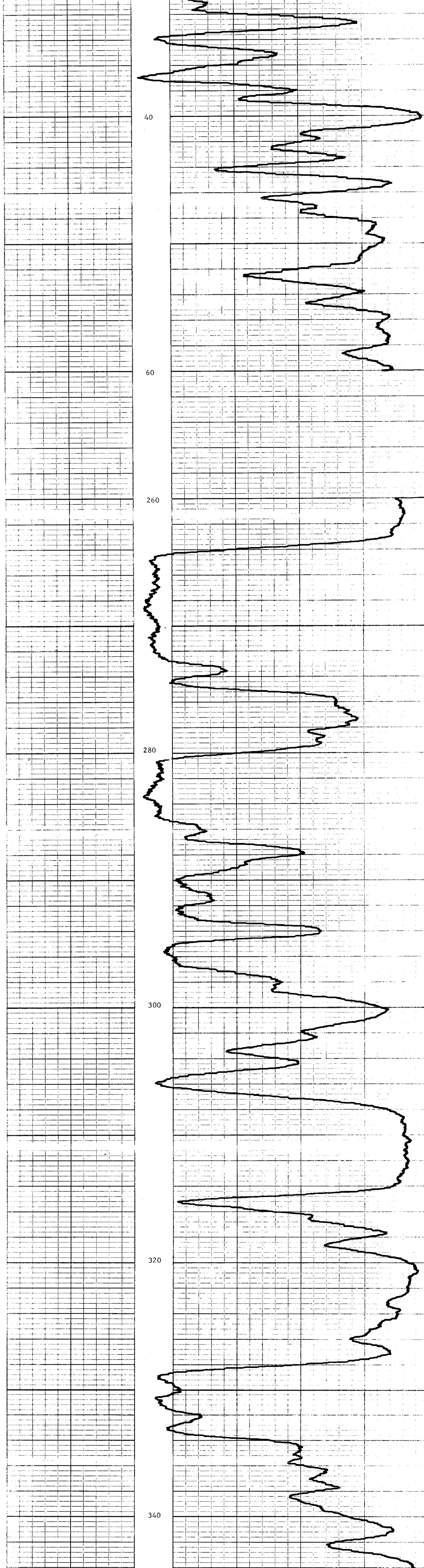
ROKEK-FORINGE 73(3)A-1
SIDEWALL DENSILOG

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SFC TWP RGE	WELL	RH 707
W M	LOCATION	ALBERTA
FIELD		
PROVINCE BRITISH COLUMBIA		
Permit No. Datum	GROUND LEVEL	Fin. Above Perm. Datum
Log Measured from	GROUND LEVEL	G.L.
Well Depths Measured from		

315

LOGGING DATA							
RUN NO.	DEPTH(S)		SPEED	T.C.	SENS.	ZERO DIV. L OR R	CPS/DIV.
	FROM	TO	FT/MIN	SEC	SETTINGS		
1 0	60						
1 260	360						
1 390	240						
1 468	442						
1 488	492						

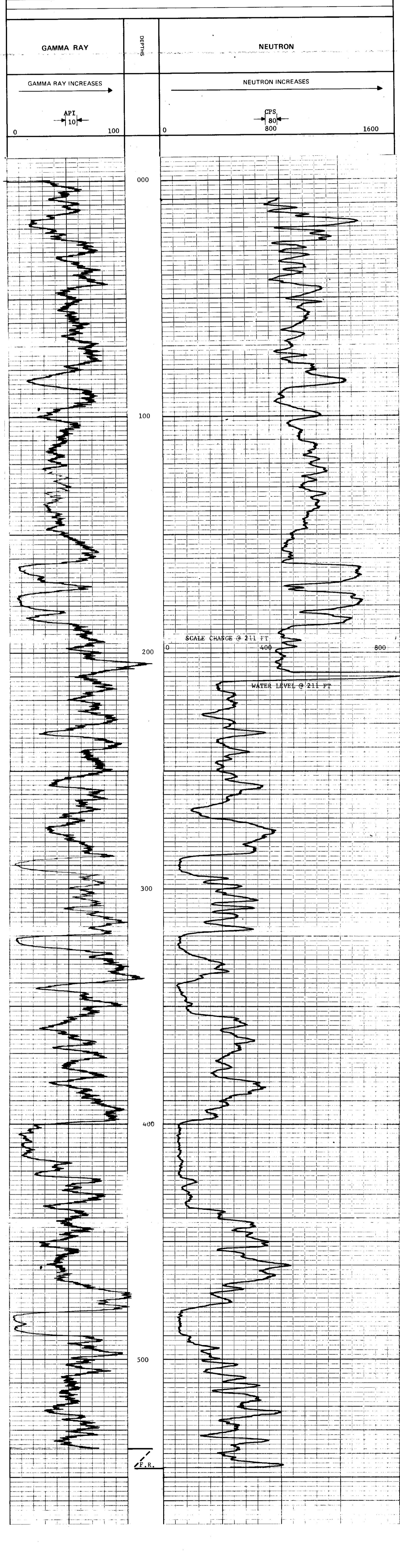
0.05 GM/CC PER DIV



Casing Rode	
Casing Drill Bit	AIR / WATER
Fluid Type	100 FT
Liquid Level	4 1/4 INCH
Min. Dam.	
Rpm @ QP	
Operating Time	NO HOURS
Truck No.	30
Recorded By	JAMES
Witnessed By	TAPLIN

ROKEGAMMA RAY NEUTRON LOG
K-FORCE K-73(3)A-1OIL ENTERPRISES LTD. CALGARY,
ALBERTA**315**

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SEC.	WELL	RH 708
TWP RGE	LOCATION	GREENHILLS
W M	FIELD	FORDING
PROVINCE BRITISH COLUMBIA		
Permanent Datum	GROUND LEVEL	Elev. Ft. Above Perm. Datum
Log Measured from	GROUND LEVEL	K.B. C.S.G.
Well Depths Measured from	GROUND LEVEL	G.L.
Other Services: DEN		

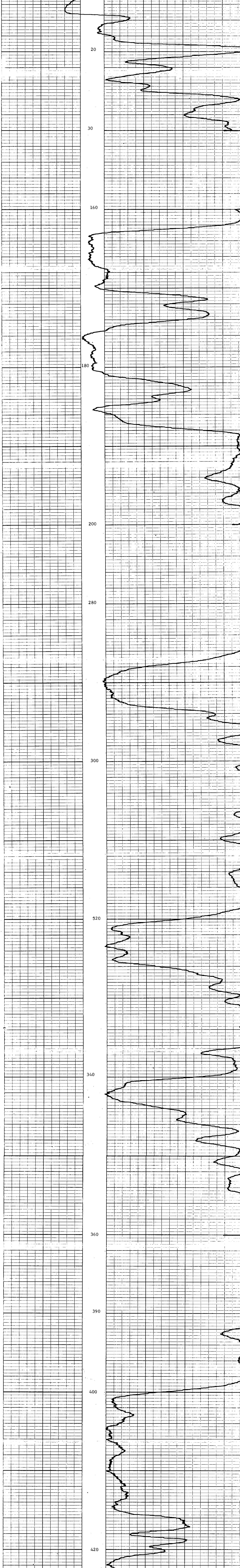


ROKESIDEWALL DENSILOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K - FORSEEK 75(3)A-1

FILE NO.	FORING COAL LIMITED	
SD	WELL	RH 708
SEC		
TWP		
RGE		
W.	LOCATION GREENHILLS	
M.		
W.	FIELD FORDING	
M.		
W.	PROVINCE BRITISH COLUMBIA	
M.		
Permanent Datum	GROUND LEVEL	Elev. Fr. Above Penn Datum
Log Measured from	GROUND LEVEL	G.L.
Well Depths Measured from		
Run No.	ONE	Other Services: GRN
Date	4 JULY 1973	
First Reading	300	
Last Reading	0	
Frogs Logged	230	
Depth Logged	549	
Depth Driller	550	
Casing Rule		
Fluor. Drill		
Liquid Level		
Min. Diam.	4 1/4 INCH	
Operating Time	1 1/2 HOURS	
Truck No.	30	
Recorded By JAMES		
Witnessed By REILL		

315



ROKE

REPRISES LIB. CALGARY, ALBERTA

FILE NO. _____
COMPANY FORDING COAL LIMITED
WELL RH 709
LOCATION GREENHILLS
315
NEUTRON
N
P
M
A

Other Services

END LEVEL _____ ELEV. _____ K.B. _____

Depths Measured from GROUND LEVEL G.L.

NE

PROVINCE		BRITISH COLUMBIA		Other Services: DEN
GROUND LEVEL		Elev.		
Permanent Datum		Log Measured from	FT. Above Perm. Datum	
Well Depths Measured from		GROUND LEVEL	GROUND LEVEL	
Run No.	ONE	Date	5 JULY 1973	
First Reading	408	Last Reading	0	
Footage Logged	408	Depth Reached	411	
Depth Driller	410	Casing Roke		
Casing Driller		Fluid Type	AIR/WATER	
Liquid Level	136 FT	Min. Diam.	4 1/4 INCH	
Rm @ °F				
Operating Time	1 1/2 HOURS	Truck No.	30	
Recorded By	JAMES	Witnessed By	BELL	

GAMMA RAY			
RUN NO.	ONE	RUN NO.	
TOOL MODEL NO.		LOG TYPE	
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL N	
LENGTH	18 INCH	TYPE	
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	
		SOURCE MODEL NO.	
	GENERAL	SERIAL NO.	
HOIST TRUCK NO.	30	SPACING	
INSTRUMENT TRUCK NO.		TYPE	
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	

LOGGING DATA

ANSWER

GAMMA RAY

NEUTRON

DEPTHS

GAMMA RAY INCREASES →

NEUTRON INCREASES →

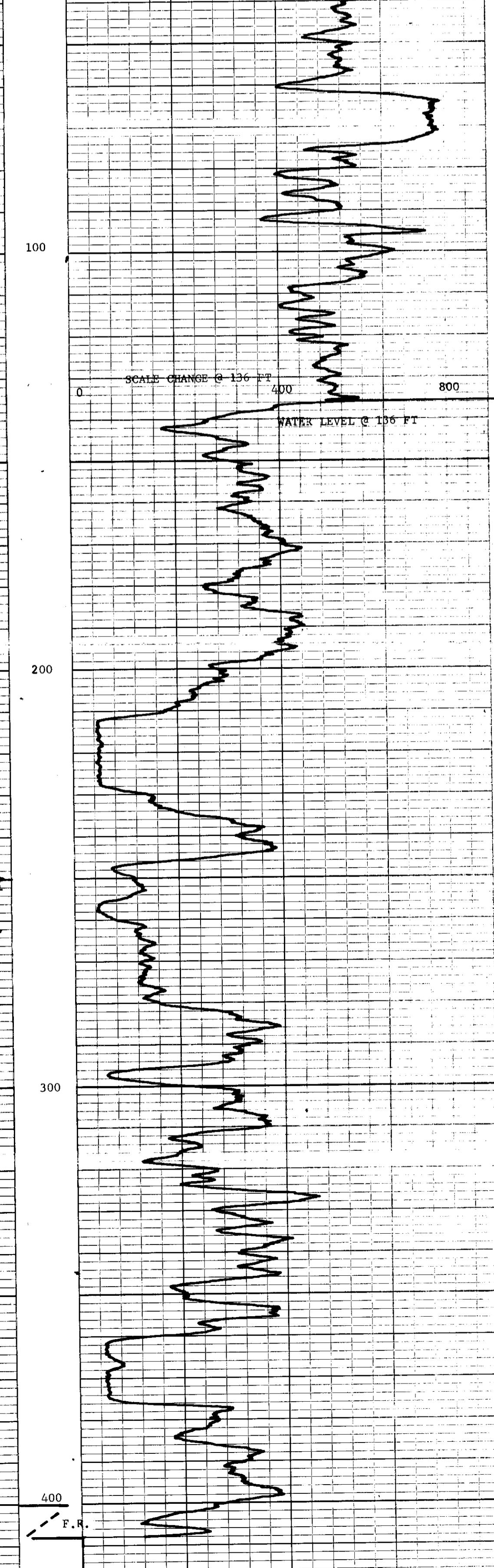
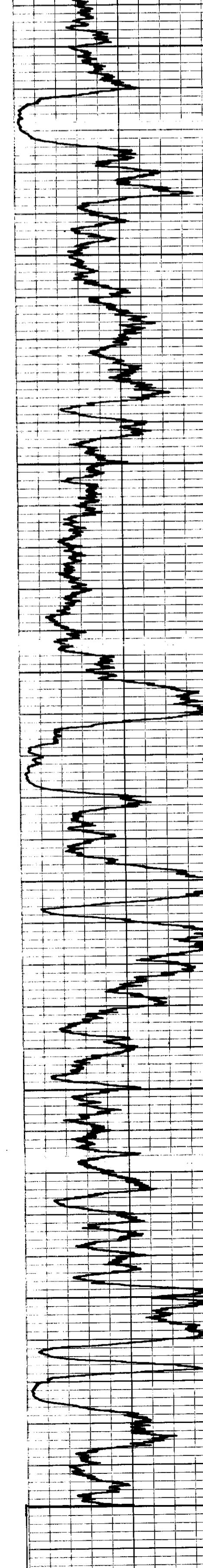
0 100 0 1600

0 1000 0 1000

000

API 10 CPS 800

1



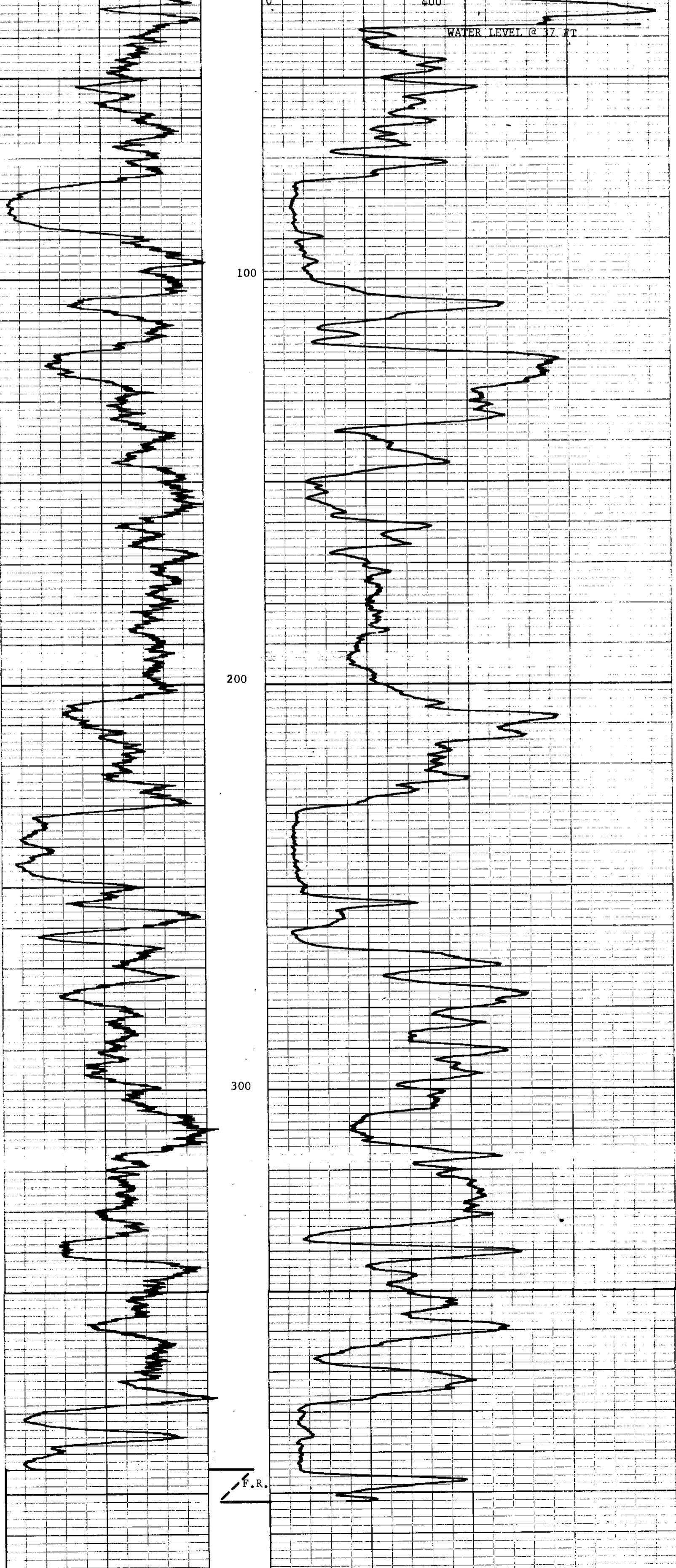
ROKE

K-fording 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 710
SEC	LOCATION	GREENHILLS
TWP	FIELD	FORDING
RGE	PROVINCE	BRITISH COLUMBIA
W	GROUND LEVEL	Elev. Ft. Above Perm. Datum
M	GROUND LEVEL	K.B. C.S.G.
Well Depths Measured from G.L.		
Other Services: DEN		
Permanent Datum Log Measured from		
Run No. ONE		
Date 5 JULY 1973		
First Reading 402		
Last Reading 0		
Footage Logged 405		
Depth Reached 404		
Depth Driller		
Casing Rroke		
Casing Driller		
Fluid Type AIR/WATER		
Liquid Level 37 FT		
Min. Diam. 4 1/4 INCH		
Rm @ 0°F		
Operating Time 1 1/2 HOURS		
Truck No. 30		
Recorded By JAMES		
Witnessed By BILL		

EQUIPMENT DATA					
GAMMA RAY			NEUTRON		
RUN NO.	ONE		RUN NO.	ONE	
TOOL MODEL NO.			LOG TYPE		NEUTRON/NEUTRON
DIAMETER	1 11/16		TOOL MODEL NO.		1 11/16
DETECTOR MODEL NO.			DIAMETER		
TYPE	GEIGER		DETECTOR MODEL NO.		PROPORTIONAL
LENGTH	18 INCH		TYPE		6 INCH
DISTANCE TO N. SOURCE	8.55 FT.		LENGTH		MRC-N-SS-W
GENERAL			SOURCE MODEL NO.		50
HOIST TRUCK NO.	30		SERIAL NO.		19 INCH
INSTRUMENT TRUCK NO.			SPACING		
TOOL SERIAL NO.	CGN27U4A65		TYPE		AmBe
			STRENGTH		3 CURRIE

LOGGING DATA											
GENERAL			GAMMA RAY			NEUTRON					
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	37	11	5	100	0L	10	3	1000	0L	80 CPS
1	37	402	11	5	100	0L	10	3	500	0L	40 CPS



ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

SIDEWALL DENSITLOG
K - FORMING 73/3 A-1

FILE NO. LSD
 COMPANY FORDING COAL LIMITED
WELL RH 710
TEMP 60° F
TIME 2:40 P.M.
AGE W.M.
LOCATION GREENHILLS
FIELD FORDING

315

PROVINCE BRITISH COLUMBIA
 Permanent Datum GROUND LEVEL Elevation 0 ft.
 Log Measured from GROUND LEVEL Ft. Above Perm. Datum 0 ft.
 Well Depths Measured from GROUND LEVEL G.L.

Other Services: GRN+K.B. CSCG.L. G.L.

</div

ROKE

GAMMA RAY NEUTRON LOG

K - f-000- 73(3)A-1

OIL ENTERPRISES LTD., CALGARY, ALBERTA

FILE NO. LSD
COMPANY FORDING COAL LIMITEDWELL RH 711LOCATION GREENHILLS**315**FIELD FORDINGOther Services: DENPROVINCE BRITISH COLUMBIAElev. K.B.
CSG
G.L.Permanent Datum GROUND LEVEL

Ft. Above Perm. Datum

Log Measured from GROUND LEVELWell Depths Measured from GROUND LEVEL**EQUIPMENT DATA**

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	3 CPS/IN/S

LOGGING DATA

RUN NO.	GENERAL		GAMMA RAY				NEUTRON				
	DEPTH	TO	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS
FROM	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.		
1	0	.74	11	5	100	0L	10	3	1000	0L	80 CPS
1	74	542	11	5	100	0L	10	3	500	0L	40 CPS

REMARKS

GAMMA RAY**NEUTRON**

GAMMA RAY INCREASES →

NEUTRON INCREASES →

API
10CPS
80

800

1600

DEPTHS

000

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

5000

5100

5200

5300

5400

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10200

10300

10400

10500

10600

10700

10800

10900

11000

11100

11200

11300

11400

11500

11600

11700

11800

11900

12000

12100

12200

12300

12400

12500

12600

12700

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13300

13400

13500

13600

13700

13800

13900

14000

14100

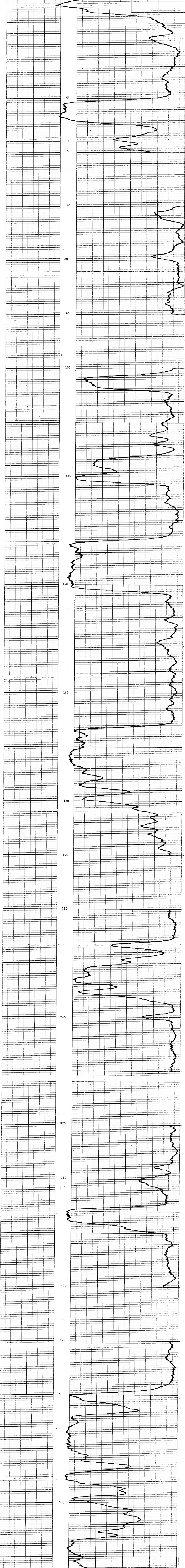
ROKE

SIDEWALL DENSLOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K-FREIGHT 73(3)B-1

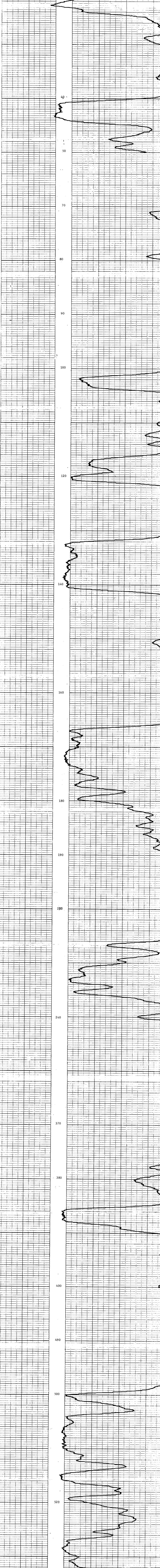
FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SEC	WELL NO.	711
TWP	FIELD	
RGE	LOCATION	GREENHILLS
W.	PROVINCE	BRITISH COLUMBIA
	RELEVATION	GND LEVEL
	LEV Measured from	Fr. Above Ref. Datum
	Wet Dens Measured 1 cm	
	Other Survey:	
	K.D.	GRN
	C.G.	
	G.L.	

315



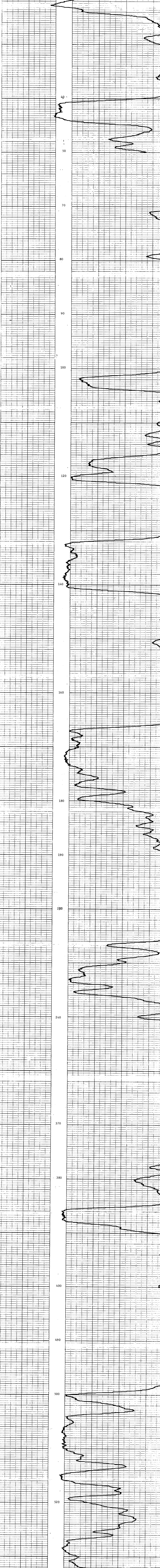
FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SEC	WELL NO.	711
TWP	FIELD	
RGE	LOCATION	GREENHILLS
W.	PROVINCE	BRITISH COLUMBIA
RELEVATION	GND LEVEL	
LEV Measured from	Fr. Above Ref. Datum	
Wet Dens Measured 1 cm		
Other Survey:		
K.D.	GRN	
C.G.		
G.L.		

315



FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SEC	WELL NO.	711
TWP	FIELD	
RGE	LOCATION	GREENHILLS
W.	PROVINCE	BRITISH COLUMBIA
RELEVATION	GND LEVEL	
LEV Measured from	Fr. Above Ref. Datum	
Wet Dens Measured 1 cm		
Other Survey:		
K.D.	GRN	
C.G.		
G.L.		

315



ROKE

RISES LTD.
CALGARY,
ALBERTA

ON LOG

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

315

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 712
SEC'		
TWP		
RGE	LOCATION	GREENHILLS
W		
M	FIELD	FORDING
PROVINCE		BRITISH COLUMBIA
Permanent Datum		GROUND LEVEL
Log Measured from		GROUND LEVEL
Well Depths Measured from		GROUND LEVEL
Run No.	ONE	
Date	4 JULY 1973	
First Reading	364	
Last Reading	0	
Footage Logged	364	
Depth Reached	370	
Depth Driller	375	
Casing Roker		
Casing Driller		
Fluid Type	AIR/WATER	
Liquid Level	59 FT	
Min. Diam.	4 1/4 INCH	
Rm @ 0F		
Operating Time	TWO HOURS	
Truck No.	30	
Recorded By	JAMES	Witnessed By BELL

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.	GEIGER	DIAMETER	
TYPE	18 INCH	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	8.55 FT.	TYPE	6 INCH
DISTANCE TO N. SOURCE		LENGTH	MRC-N-SS-W
GENERAL		SOURCE MODEL NO.	
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA

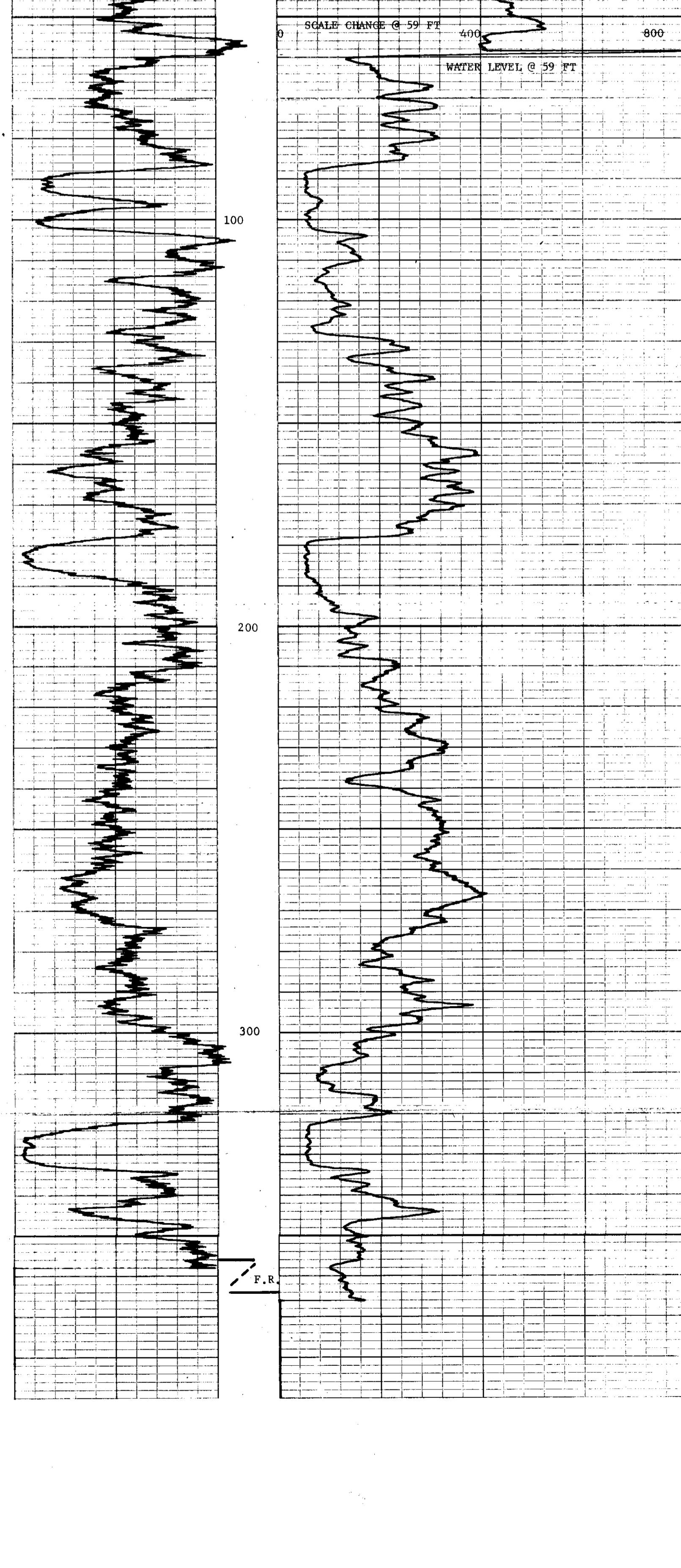
GAMMA RAY THIS **NEUTRON**

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1000 1000 1000 1000 1000 1000 1000 1000 1000 1000

The figure consists of two side-by-side line graphs. Both graphs have a vertical y-axis labeled 'Rate' and a horizontal x-axis labeled 'Temperature (°C)'. The left graph's x-axis has major tick marks at 100, 150, and 200. The right graph's x-axis has major tick marks at 150, 200, and 250. In both graphs, the rate remains low until approximately 100°C, after which it rises sharply. The left graph's curve reaches a plateau at a higher rate than the right graph's curve.

1996-1997 学年第一学期



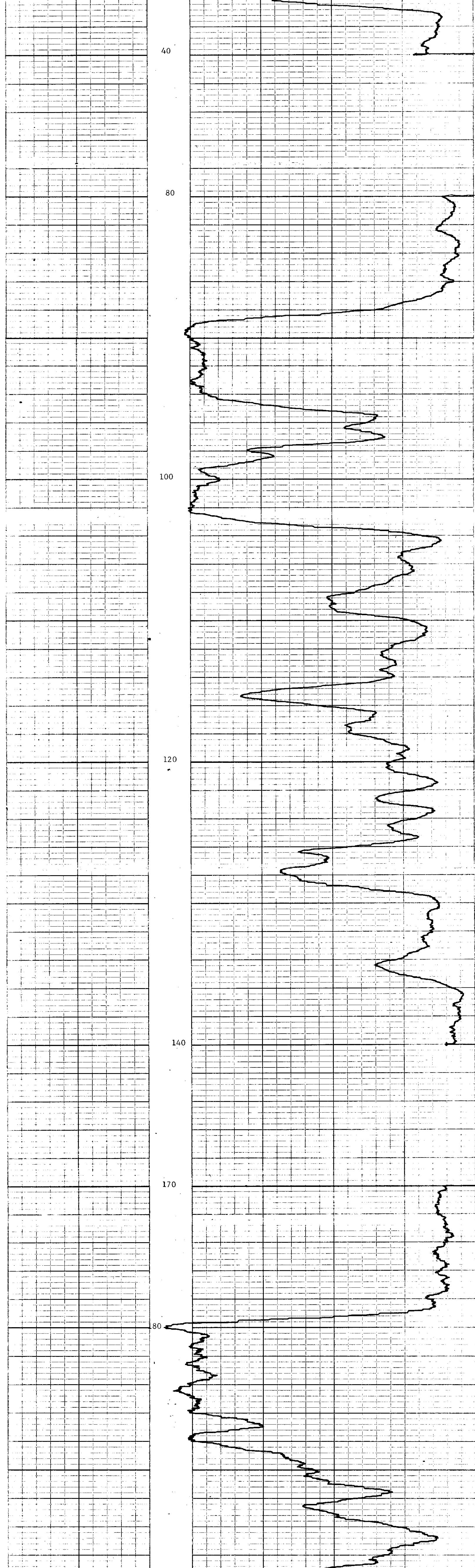
ROKESIDEWALL DENSILOG
OIL ENTERPRISES LTD., CALGARY, ALBERTA

K - forward - 73(3)A-1

FILE NO.	OIL ENTERPRISES LTD.		CALGARY, ALBERTA
LSD	COMPANY	FORDING COAL LIMITED	
SEC	WELL	RH 712	
TMP	LOCATION	GREENHILLS	
RGE	FIELD	FORDING	
W	PROVINCE	BRITISH COLUMBIA	
M	Permanent Datum	GROUND LEVEL	Elev.
	Log Measured from	GROUND LEVEL	Above Perm. Datum
	Well Depth, Measured from	GROUND LEVEL	G.L.
	Other Services	GRN	

315

LOGGING DATA							
RUN NO.	DEPTH(S)		SPEED	T.C.	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.
1	0	40		4	3	1000	4.93 R
1	80	140					0.05 GM/CC PER DIV
1	170	200					
1	300	364					
REMARKS							



CALIPER

HOLE DIAMETER (INCHES)

110

120

130

140

150

160

170

180

190

200

210

220

230

240

250

260

270

P.R.

280

290

300

310

320

330

340

350

360

370

380

390

400

410

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470

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590

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710

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730

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770

780

790

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850

860

870

880

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910

920

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940

950

960

970

980

990

1000

1010

1020

1030

1040

1050

1060

1070

1080

1090

1100

1110

1120

1130

1140

1150

1160

1170

1180

1190

1200

1210

1220

1230

1240

1250

1260

1270

1280

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1900

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1920

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1940

1950

1960

1970

1980

1990

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

K-forecast-73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD SEC TWP RGE	WELL	RH 713	
W M	LOCATION	GREENHILLS	
	FIELD	FORDING	
PROVINCE		BRITISH COLUMBIA	
GROUND LEVEL		Elev.	
Log Measured from		K.B. CSG	
Well Depths Measured from		G.L.	
Other Services:			
Run. No.	ONE		
Date	5 JULY 1973		
First Reading	162		
Footage Logged	168		
Depth Reached	350		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	55 FT		
Min. Diam.	4 1/4 INCH		
Rm @ 0°F			
Operating Time	ONE HOUR		
Truck No.	30		
Recorded By	JAMES	Witnessed By	BELL

315

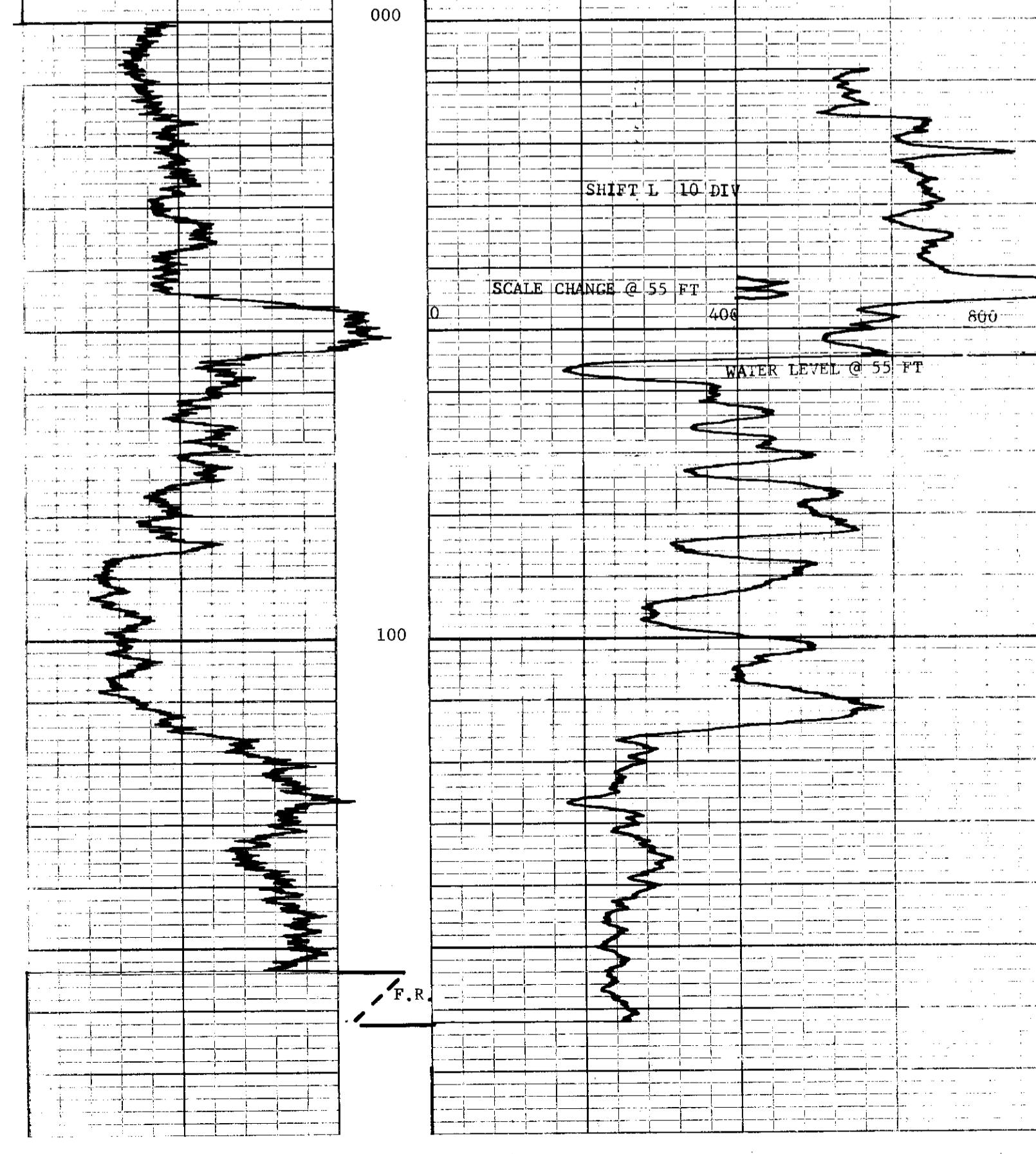
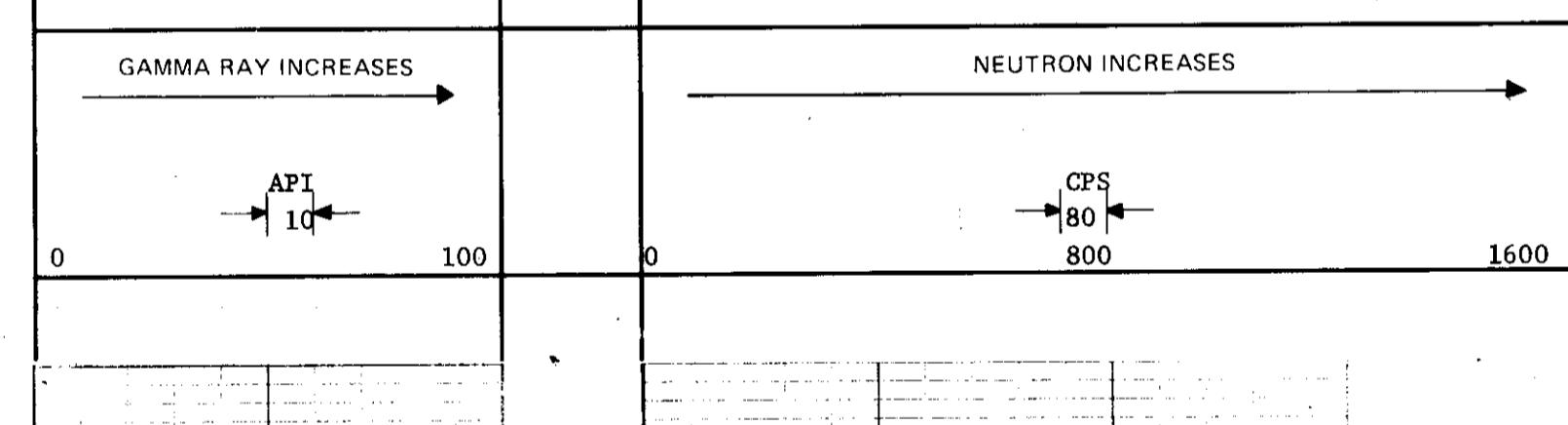
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA

RUN NO.	GENERAL		GAMMA RAY				NEUTRON				
	DEPTH	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	55	11	5	100	OL	10	3	1000	OL	80 CPS
1	55	162	11	5	100	OL	10	3	500	OL	40 CPS
	,	,									

REMARKS



ROKE

K - Fording 73(3)A-1
GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

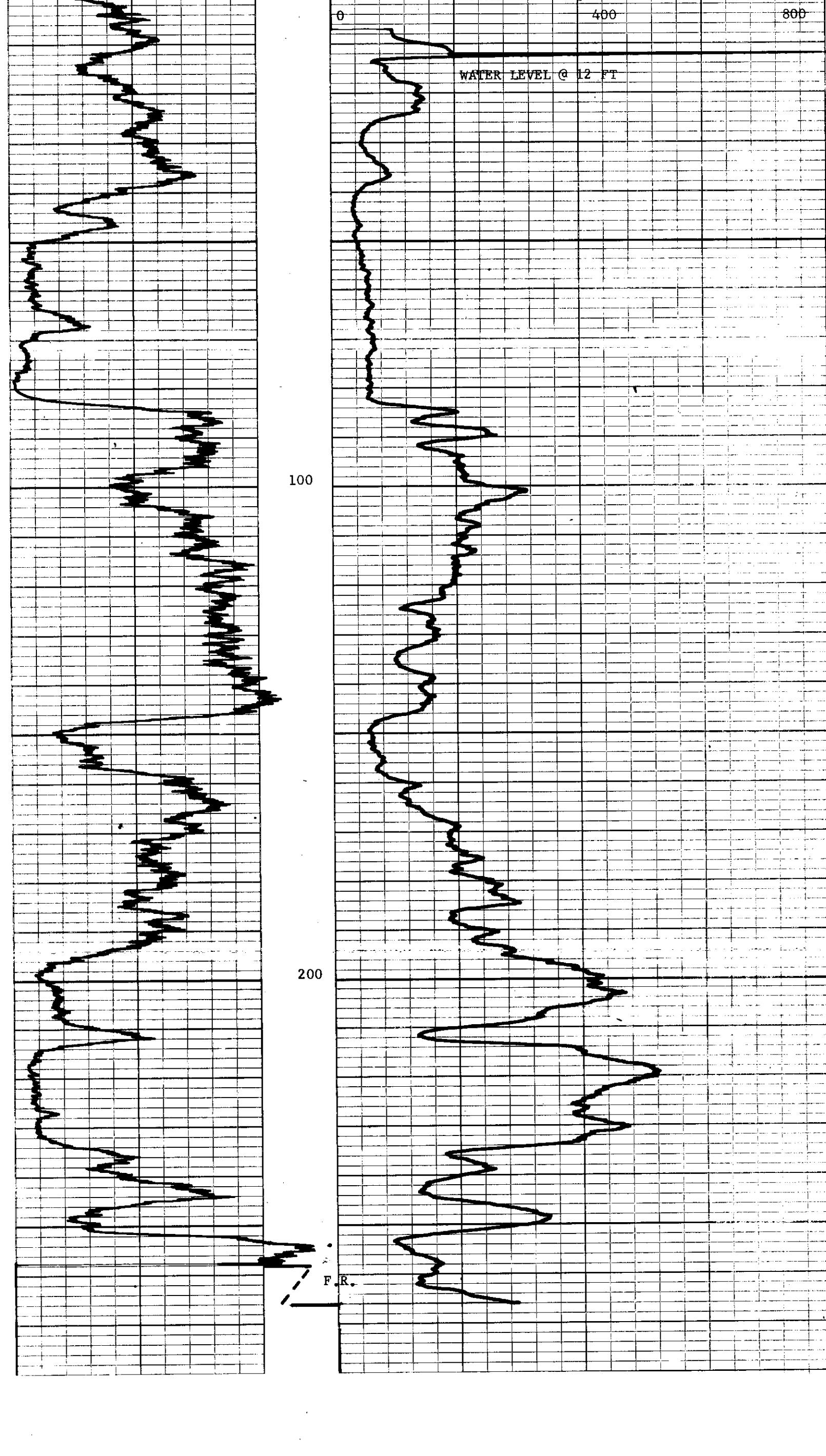
FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 714
SEC		
TWP		
RGE	LOCATION	GREENHILLS
W	M	
FIELD FORDING COA		
PROVINCE BRITISH COLUMBIA		
Permanent Datum GROUND LEVEL Elev. _____		
Log Measured from GROUND LEVEL F. Above Perm. Datum		
Well Depths Measured from GROUND LEVEL		
Other Services: DEN		
K.B. CSG G.L.		

315

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA											
GENERAL				GAMMA RAY				NEUTRON			
RUN	DEPTH		SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS
NO.	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	12	11	5	100	0L	10	3	5000	0L	400 CPS
1	12	266	11	5	100	0L	10	3	500	0L	40 CPS

REMARKS



**ROK
E**

L'ENTRE

DAY NEUTRON LOG

AY NEUTRON LOG
CALGARY, ALBERTA

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

315

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SEC	WELL	RH 715
TWP RGE	LOCATION	GREENHILLS
W M	FIELD	FORDING
PROVINCE		BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL	Elev.
Log Measured from	GROUND LEVEL	Ft. Above Perm. Datum
Well Depths Measured from	GROUND LEVEL	
Run. No.	ONE	
Date	6 JULY 1973	
First Reading	300	
Last Reading	0	
Footage Logged	300	
Depth Reached	303	
Depth Driller	303	
Casing Roke		
Casing Driller		
Fluid Type	ATR/WATER	
Liquid Level	4.5 FT	
Min. Diam.	4 1/4 INCH	
Rm @ °F		
Operating Time	1 1/4 HOURS	
Truck No.	30	
Recorded By	JAMES	Witnessed By TAPLIN

EQUIPMENT DATA

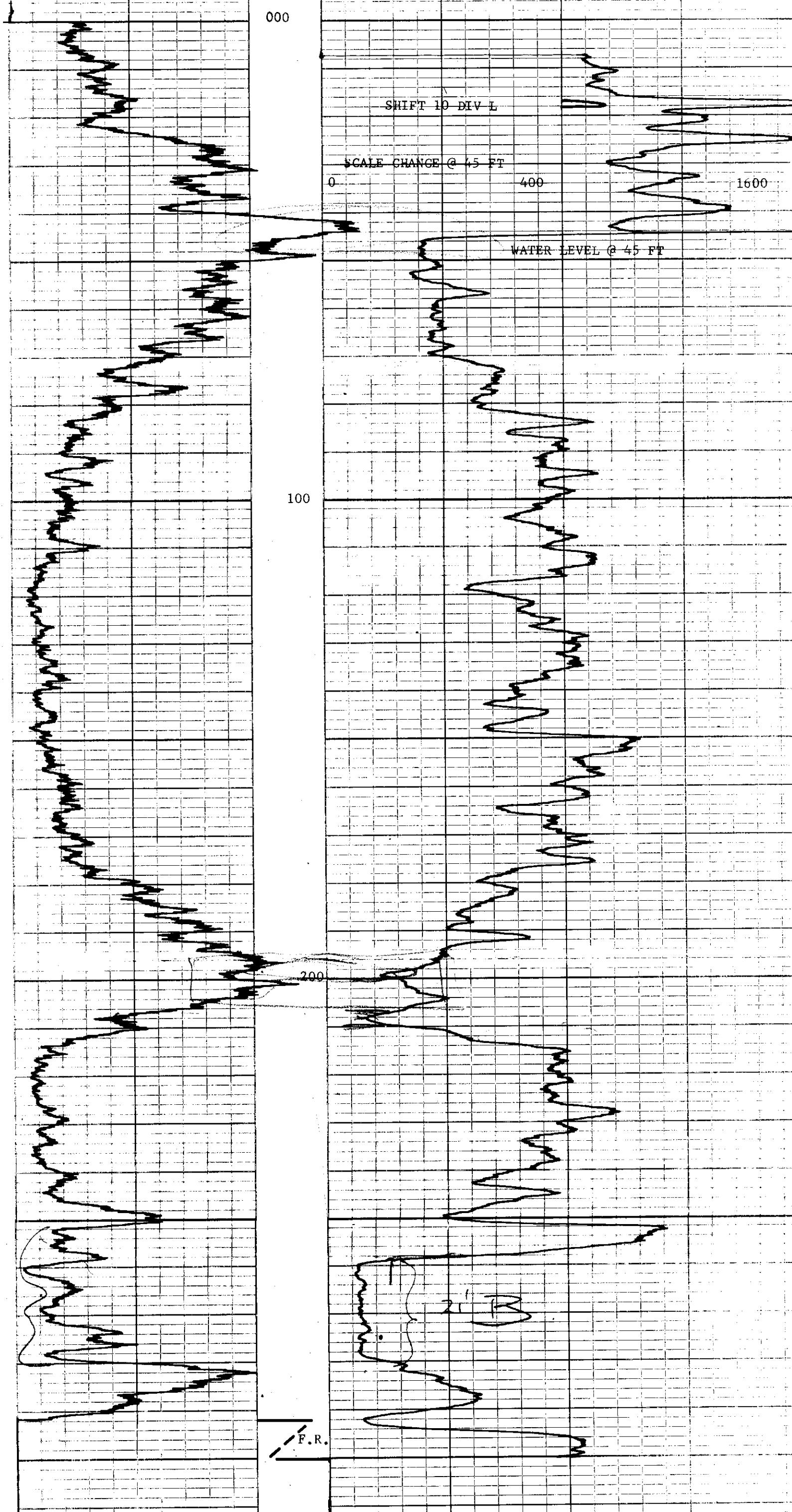
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	1 $\frac{11}{16}$
DETECTOR MODEL NO.	GEIGER	DIAMETER	
TYPE	18 INCH	DETECTOR MODEL NO.	
LENGTH		TYPE	PROPORTIONAL

LEN
SOURCE

GENERAL		SOURCE MODEL NO.		MURKIN							
HOIST TRUCK NO.	30	SERIAL NO.	50								
INSTRUMENT TRUCK NO.		SPACING	19 INCH								
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe								
		STRENGTH	3 CURIE								
LOGGING DATA											
GENERAL			GAMMA RAY			NEUTRON					
RUN NO.	DEPTHs		SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T. C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
	FROM	TO									
1	0	45	11	5	100	OL	10	3	1000	OL	80 CPS
1	45	300	11	5	100	OL	10	3	500	OL	40 CPS
REMARKS											

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—
—
—
—

— 1 —



ROKE

AY NEUTRON LOG
E NEUTRON NAL

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD SEC	WELL	RH 716	
TWP	LOCATION	GREENHILLS	
W M	FIELD	FORDING	
PROVINCE		BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Elev.	
Log Measured from	GROUND LEVEL	Ft. Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL		
Run. No.	ONE	Other Services:	
Date	17 JULY 1973	DEN	
First Reading	438	K.B.	
Last Reading	0	CSG	
Footage Logged	438	G.I.	
Depth Reached	439		
Depth Driller	440		
Casing Roke			
Casing Driller			
Fluid Type	• AIR/WATER		
Liquid Level	35 FT		
Min. Diam.	4 1/2 INCH		
Rm @ OF			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPLIN

315

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3 CURRIE

LOGGING DATA

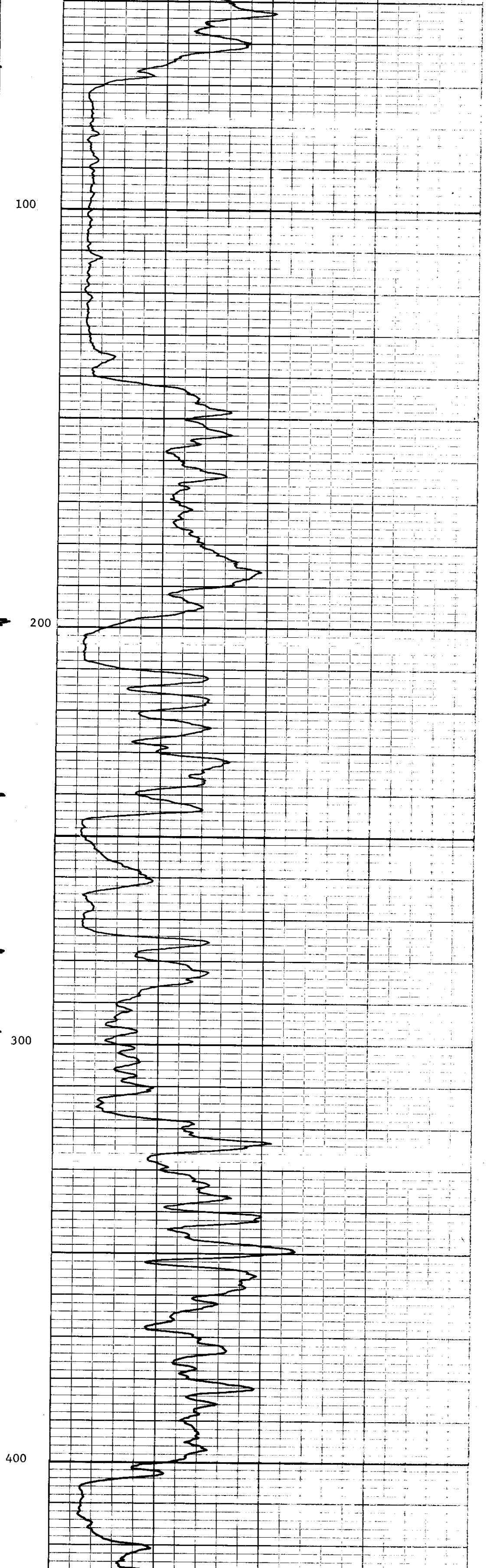
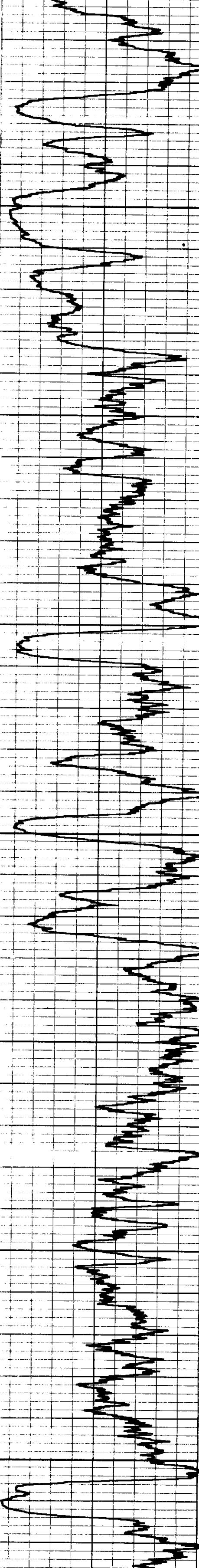
GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES		NEUTRON INCREASES
API		CPS

10. The following table summarizes the results of the study.

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SCALE CHANGE @ 33 FT

ANSWER



ROKE

OIL ENTERPRISES LTD.

CALGARY, ALBERTA

SIDEWALL DENSILOG
K-FORSON INC. 73/39-1

FILE NO. FORDING COAL LIMITED

LSD

SEC

TWP

RGE

M

W

LOCATION

GRENHILLS

FORDING

FIELD

FORDING

Other Services:

CRW

K-B.

SGS

G.L.

GRN

E.P.

FT. Above Perm. Drum

Ground Level

Ground Level

Log Measured from

Ground Level

Permeability Drum

Ground Level

Log Measured from

Ground Level

Permeability Drum

Ground Level

Log Measured from

Ground Level

Permeability Drum

Ground Level

Log Measured from

Ground Level

PROVINCE

BRITISH COLUMBIA

FIELD

FORDING

Other Services:

CRW

K-B.

SGS

G.L.

GRN

E.P.

FT. Above Perm. Drum

Ground Level

Log Measured from

Ground Level

Permeability Drum

Ground Level

PERMEABILITY DRUM

GROUND LEVEL

LOG MEASURED FROM

GROUND LEVEL

PERMEABILITY DRUM

GROUND LEVEL

LOG MEASURED FROM

GROUND LEVEL

PERMEABILITY DRUM

GROUND LEVEL

LOG MEASURED FROM

GROUND LEVEL

PERMEABILITY DRUM

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LOG MEASURED FROM

GROUND LEVEL

PERMEABILITY DRUM

GROUND LEVEL

LOG MEASURED FROM

GROUND LEVEL

PERMEABILITY DRUM

ROKE

GAMMA RAY NEUTRON LOG

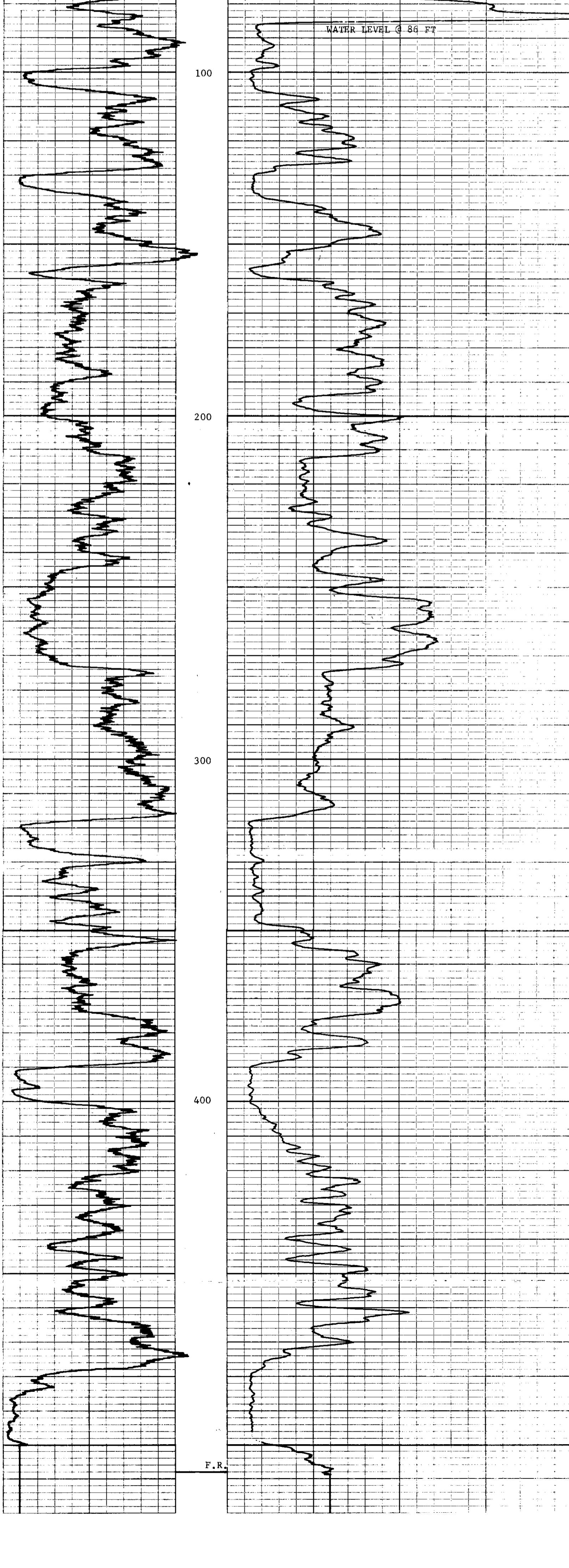
K. FOREMAN 73(3)A-1

FILE NO.	OIL ENTERPRISES LTD. CALGARY, ALBERTA	
LSD SEC TWP RGE	COMPANY	FORDING COAL LIMITED
W M	WELL	RH 717
	LOCATION	GREENHILLS
	FIELD	FORDING
	PROVINCE	BRITISH COLUMBIA
	GROUND LEVEL	Elev. Ft. Above Perm. Datum
	Log Measured from	K.B. CSG
	Well Depth Measured from	G.L.
	Other Services:	
	DEN	
Run. No.	ONE	
Date	16 JUNE 1973	
First Reading	508	
Last Reading	0	
Footage Logged	508	
Depth Reached	509	
Depth Driller	511	
Casing Rotor		
Casing Driller		
Fluid Type	AIR/WATER	
Liquid Level	86 FT	
Min. Diam.	4 1/2 INCH	
Rn @ 0°F		
Operating Time	2 HOURS	
Truck No.	30	
Reported By	JOHNSON	
Witnessed By	BELL	

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
RUN	DEPTH	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO		
NO.	FROM	TO	FT/MIN SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R		
I	0	82	11	5	100	0	10	3	1000	0	80 CPS
I	82	508	11	5	100	0	10	3	500	0	40 CPS

REMARKS



ROKE

SIDEWALL DENSILOG

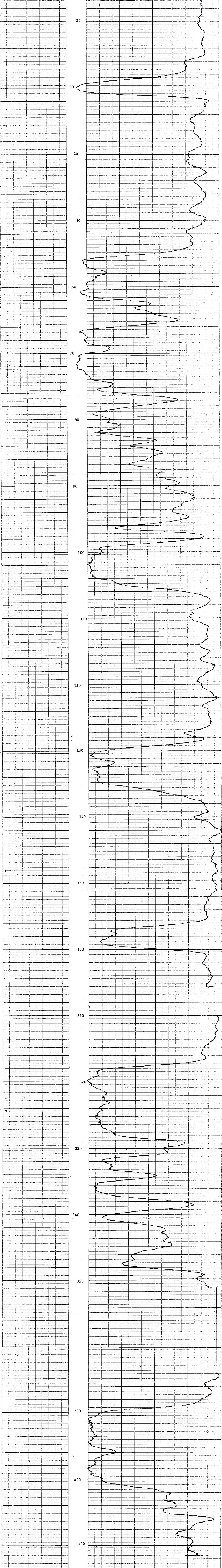
OIL ENTERPRISES LTD.

CALGARY, ALBERTA

K-F-2018-734310-1

FILE NO.	FORDING COAL LIMITED		
LSD	COMPANY	WELL	CALGARY
SEC		RH 717	
TMP			
RGE			
W	LOCATION	GREENHILLS	
M			
	FIELD	FORDING	
	PROVINCE	BRITISH COLUMBIA	
Reverence Datum	GROUND LEVEL	Elev. Above Perm. Datum	
Log Measured from	GROUND LEVEL	K.B.	
Wet Depth Measured from	G.L.	C.S.G.	
		Other Services:	
		GRN	

315



Recorded By J. JOHNSON Witnessed By BELL

ROKE

LOG

ISES LTD. CALGARY, ALBERTA
ONE TRON

PROVINCE		BRITISH COLUMBIA		Other Services:	
		GROUND LEVEL		Elev.	
		GROUND LEVEL		Ft. Above Perm. Datum	
		GROUND LEVEL		I Depths Measured from	
		GROUND LEVEL		II Depths Measured from	
Date		ONE		K.B.	
First Reading		549		CSG	
Last Reading		0		G.L.	
Voltage Logged		549			
Depth Reached		550			
Depth Driller		550			
Ring Roker					
Ring Driller					
Fluid Type		AIR/WATER			
Fluid Level		73 FT			
Diam.		4 1/2 INCH			
Depth @ 0° F					
Operating Time		2 HOURS			
Rock No.		30			
Recorded By		JOHNSON		Witnessed By	
				BELL	

EQUIPMENT DATA							
GAMMA RAY							
RUN NO.		ONE		RUN NO.			
TOOL MODEL NO.				LOG TYPE			
DIAMETER		1 11/16		TOOL MODEL NO.			
DETECTOR MODEL NO.				DIAMETER			
TYPE		GEIGER		DETECTOR MODEL NO.			
LENGTH		18 INCH		TYPE			
DISTANCE TO N. SOURCE		8.55 FT.		LENGTH			
				SOURCE MODEL NO.			
GENERAL							
HOIST TRUCK NO.		30		SPACING			
INSTRUMENT TRUCK NO.				TYPE			
TOOL SERIAL NO.		CGN27U4A65		STRENGTH			

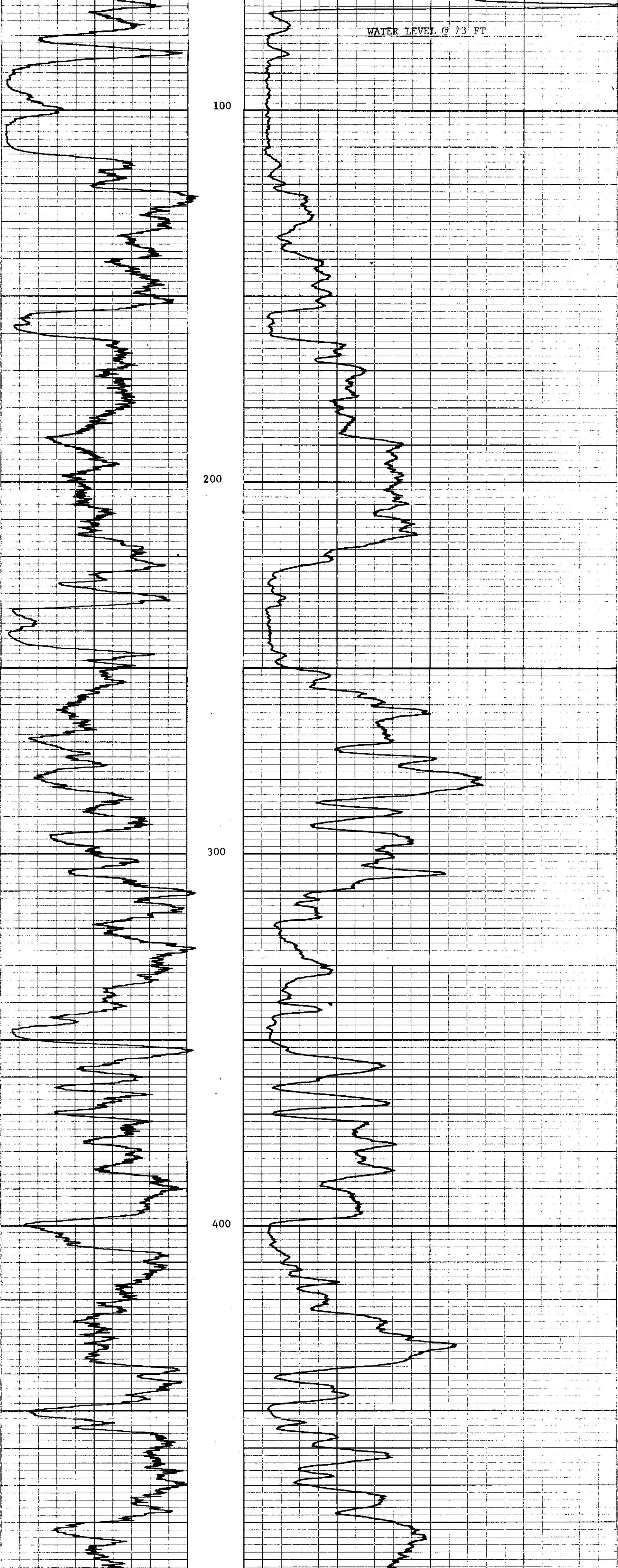
LOGGING DATA							
GENERAL				GAMMA RAY			
RUN NO.	DEPTHs		SPEED	T.C.	SENS	ZERO	API G. R. UNITS
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.

100	0
100	0

REMARKS		DEPTHS
GAMMA RAY		
GAMMA RAY INCREASES		NEUTRON INCREASES
<p>APL 10</p>		<p>CPS 80 800 1600</p>
0	000	N

The figure consists of two side-by-side seismograms plotted against a vertical grid. The left seismogram shows a series of sharp, vertical, downward-pointing spikes of varying amplitudes, indicating compressional waves. The right seismogram shows a more continuous, wavy pattern with both upward and downward excursions, representing shear waves.

A 3x3 grid of lines for drawing.



ROKE

OIL ENTERPRISES LTD., CALGARY, ALBERTA

K-FOOTAGE 73(3)-1
SIDEWALL DENSLOG

FILE NO. FORDING COAL LIMITED
 LSD RH 718
 SIC WELL
 TYP RE
 RGE M
 LOC ATION GREENHILLS
 FIELD FORDING

315

PROVINCE BRITISH COLUMBIA
 Permanent Datum GROUND LEVEL
 Log Measured from FT. Above Perm. Datum
 Well Depth Measured from GROUND LEVEL

Other Services
 GRN

Elev.
 K.B.
 CGS
 G.L.

SENS. 1000
 ZERO 4.93 R
 CPS/DIV. 1

DEPTH 464
 CPS 1

DEPTH 10
 BULK DENSITY (GRAMS/CC) 1

DEPTH 464
 CPS 1

DEPTH 10
 CPS 1

DEPTH

ROKE

K-FRENTING 873(3)P

GAMMA, RAY NEUTRON LOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 719
SEC	LOCATION	GREENHILLS
TWP		
RGE		
W		
M		
FIELD		
FORDING		
PROVINCE BRITISH COLUMBIA		
Permanent Datum Log Measured from Elev. Ft. Above Perm. Datum		
Well Depth Measured from G.L. K.B. CSG Other Services		
Ground Level Ground Level G.L.		

315

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GEOGRAPHICAL		SERIAL NO.	50
HOOCH TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A65	STRENGTH	3x10 ⁶ NSE

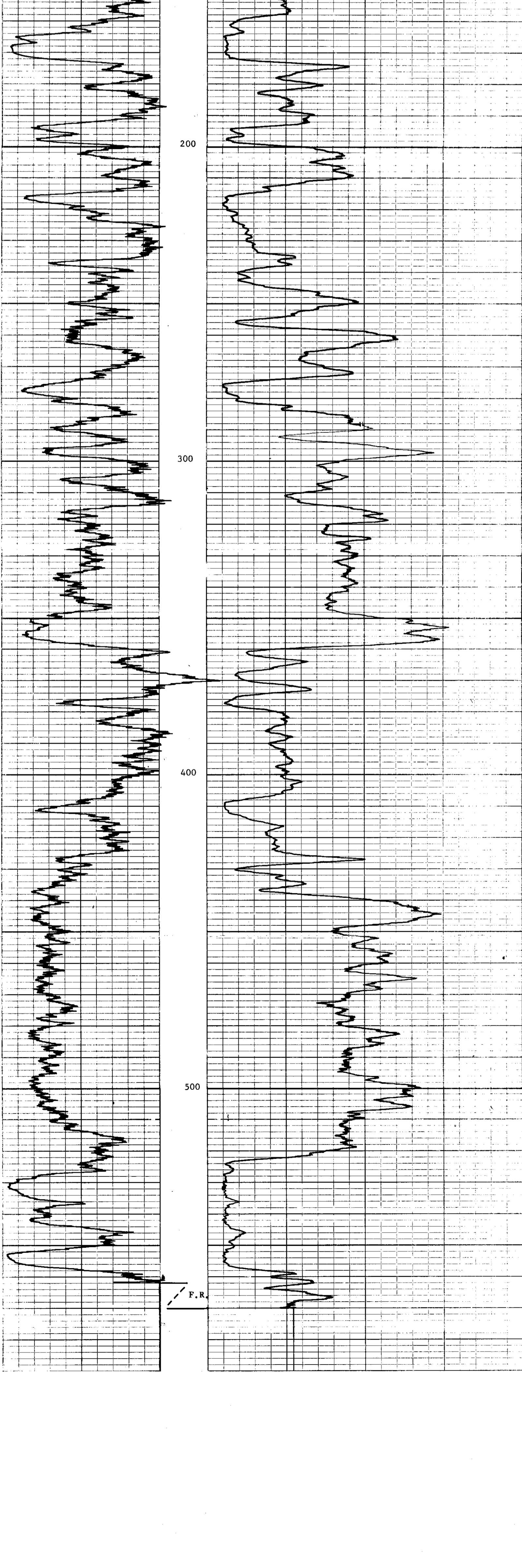
LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS	
NO.	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	38	11	5	100	0	10	3	1000	0	80 CPS
1	38	570	11	5	100	0	10	3	500	0	40 CPS

REMARKS LOGGED THROUGH DOUBLE WALL PIPE

GAMMA RAY

NEUTRON



Recorded By: BANKS

Witnessed By: BILL

ROKE

GAMMA RAY NEUTRON LOG
K-~~forzen~~ 73(3)A-1

OIL ENTERPRISES LTD. CALGARY, ALBERTA

315

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 720
SEC	LOCATION	GREENHILLS
TWP	FIELD	FORDING
RGE	PROVINCE	BRITISH COLUMBIA
W	Permit No. Datum	GROUND LEVEL Elevation
M	Log Measured from	Fi. Above Perm. Datum
	Well Depths Measured from	
		Other Services
		DENS
		K-B
		CSG
		G.L.

EQUIPMENT DATA

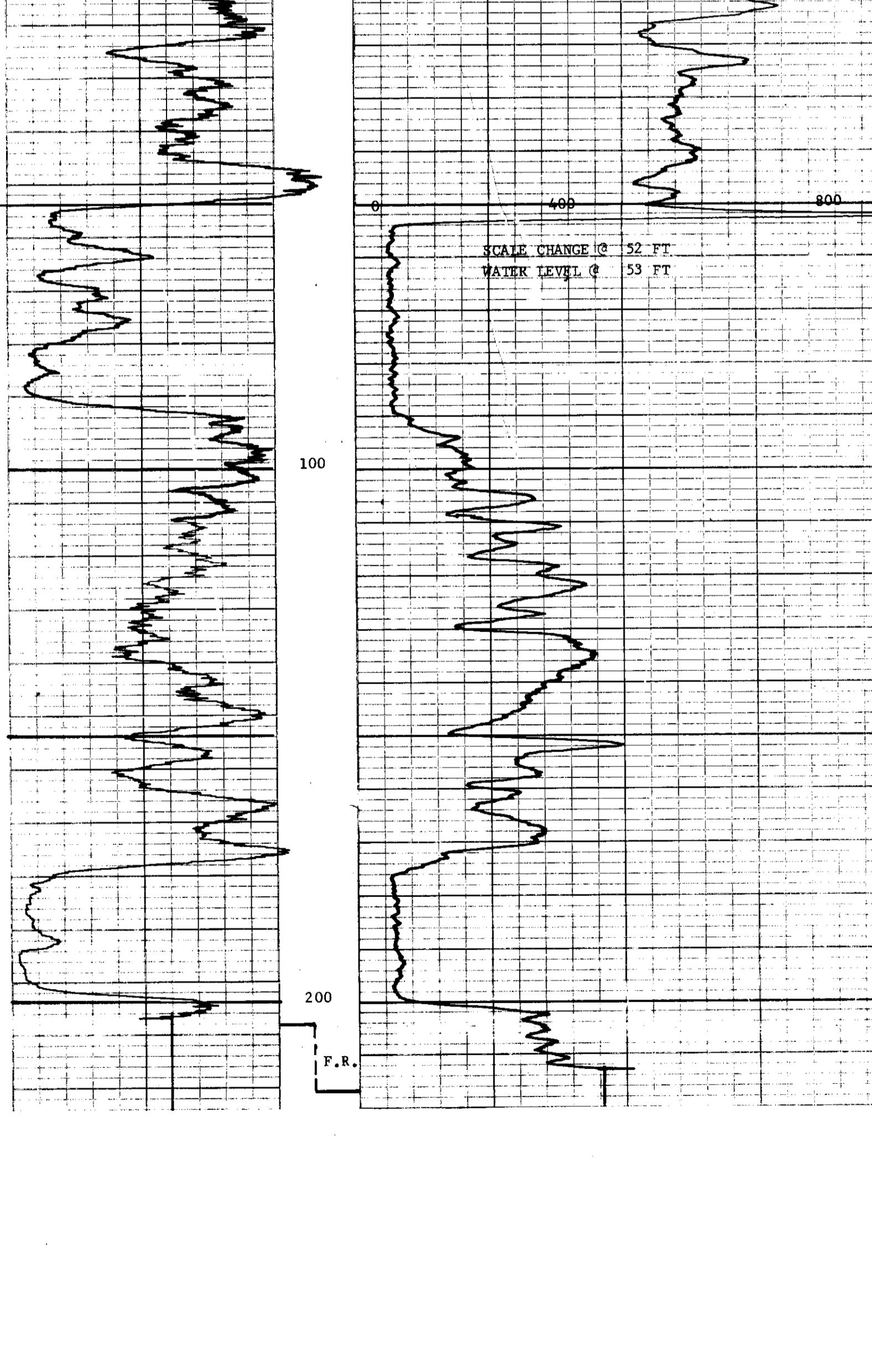
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A 65	TYPE	AmBe
		STRENGTH	3 CURRIE

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.

1	0	52	11	5	100	0L	10 API	3	1000	0L	80 CPS
	52	213	11	5	100	0L	10 API	3	500	0L	40 CPS

REMARKS



Recorded By JOHNSON Witnessed By TAPLIN

ROKESIDEWALL DENSILOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

K. FORESTIE 73(3)R-1

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	SEC	
TWP	WELL	RH 720
RGE	LOCATION	GREENHILLS
W	FIELD	FORDING
	PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL	Elev.
Log Measured from	GROUND LEVEL	ft. Above Perm. Datum
Well Depth Measured from	GROUND LEVEL	
	K.B.	CSC
	G.L.	
	Other Services:	
	GRM	

315

LOGGING DATA

RUN NO.	DEPTHS		SPEED FT/MIN	T.C. SEC	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.
	FROM	TO					
1	210	170	5	3	1000	4.93 R	
2	100	50					
3	20	0					

REMARKS

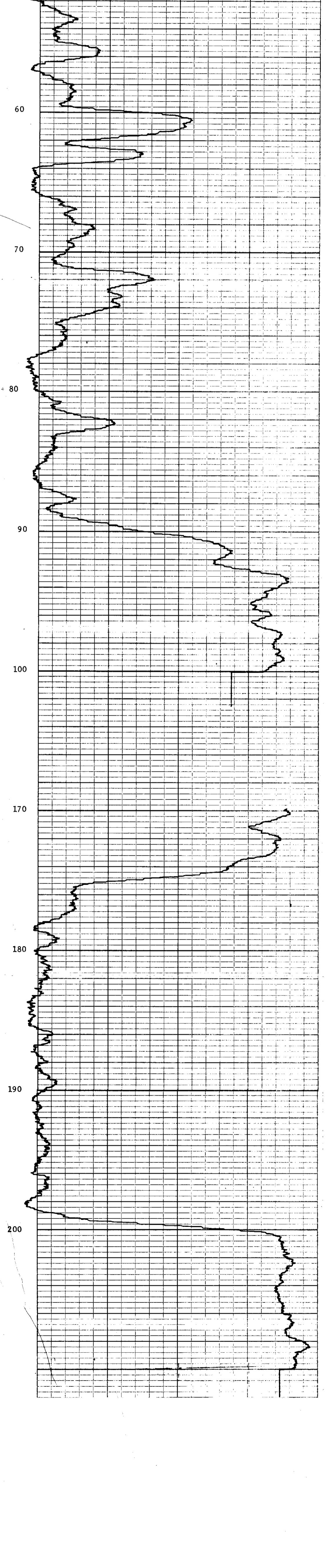
CALIPER

DENSITY

HOLE DIAMETER (INCHES)

CPS

BULK DENSITY (GRAMS/CC)



Fluid Type	AIR/WATER
Liquid Level	53 FT
Min. Diam.	4 1/2 INCH
Rm @ 9F	
Operating Time	TWO HOUR
Truck No.	30
Recorded By	JOHNSON
Witnessed By	BELL

ROKE

- foreone 73(3)A-1

ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH 722
SEC	LOCATION	GREENHILLS
TWP	FIELD	FORDING
RGE	PROVINCE	BRITISH COLUMBIA
W	GROUND LEVEL	GROUND LEVEL
	LAND SURVEY POINT	ADDITIONAL DATA
	WELL DRAINS	DEPTHS
	DEPTH REACHED	GROUND LEVEL
Run No.	ONE	One
Date	- 1 AUG 1973	K.B.
First Reading	194	CSU
Last Reading	0	GL
Footage Logged	194	
Depth Reached	195	
Depth Drilled		
Casing Roke		
Casing Driller		
Fluid Type	WATER	
Liquid Level	56 FT	
Min. Diam	4 1/2 INCH	
Rm. @ OF		
Operating Time	1 1/2 HOURS	
Truck No.	30	
Recorded By	JOHNSON	Witnessed By BELL

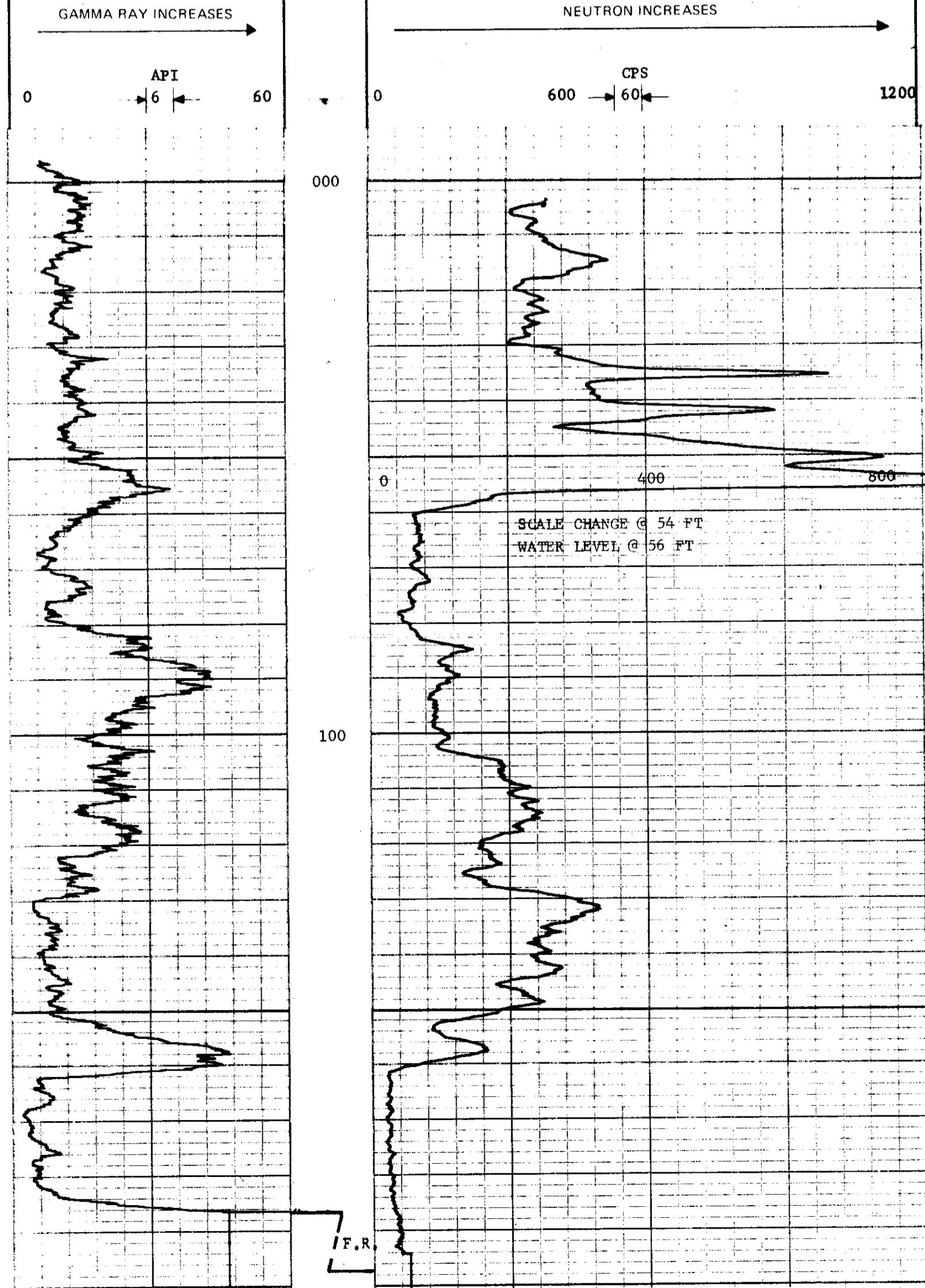
315

TOOL MOD

DETECTOR MODEL NO.		DIA METER	$1\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
	GENERAL	SERIAL NO.	50
HOIST TRUCK NO.	30	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A 65	STRENGTH	3 CURRIE

GS DIV. L OR R PE
OL 6

10. The following table shows the number of hours worked by 1000 workers in a certain industry.



ROKE

ENTERPRISES LTD. CALGARY, ALBERTA

NEUTRON LOG

FILE NO.		COMPANY	FORDING COAL LIMITED
LSD SEC TWP RGE	M	WELL	RH 723
W		LOCATION	GREENHILLS
		FIELD	FORDING
		PROVINCE	BRITISH COLUMBIA
Permanent Datum		GROUND LEVEL	Elev
Log Measured from		GROUND LEVEL	Ft. Above Penn Datum
Well Depth Measured from		GROUND LEVEL	
Run. No.	ONE	Other Services:	
Date	1 AUG 1973	K.B.	
First Reading	242	CSG	
Last Reading	0	G.L.	
Footage Logged	242		
Depth Reached	243		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	20 FT		
Min Diam.	4 1/2 INCH		
Rm @ OF			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	BELL

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH

SOURCE M
SERIA

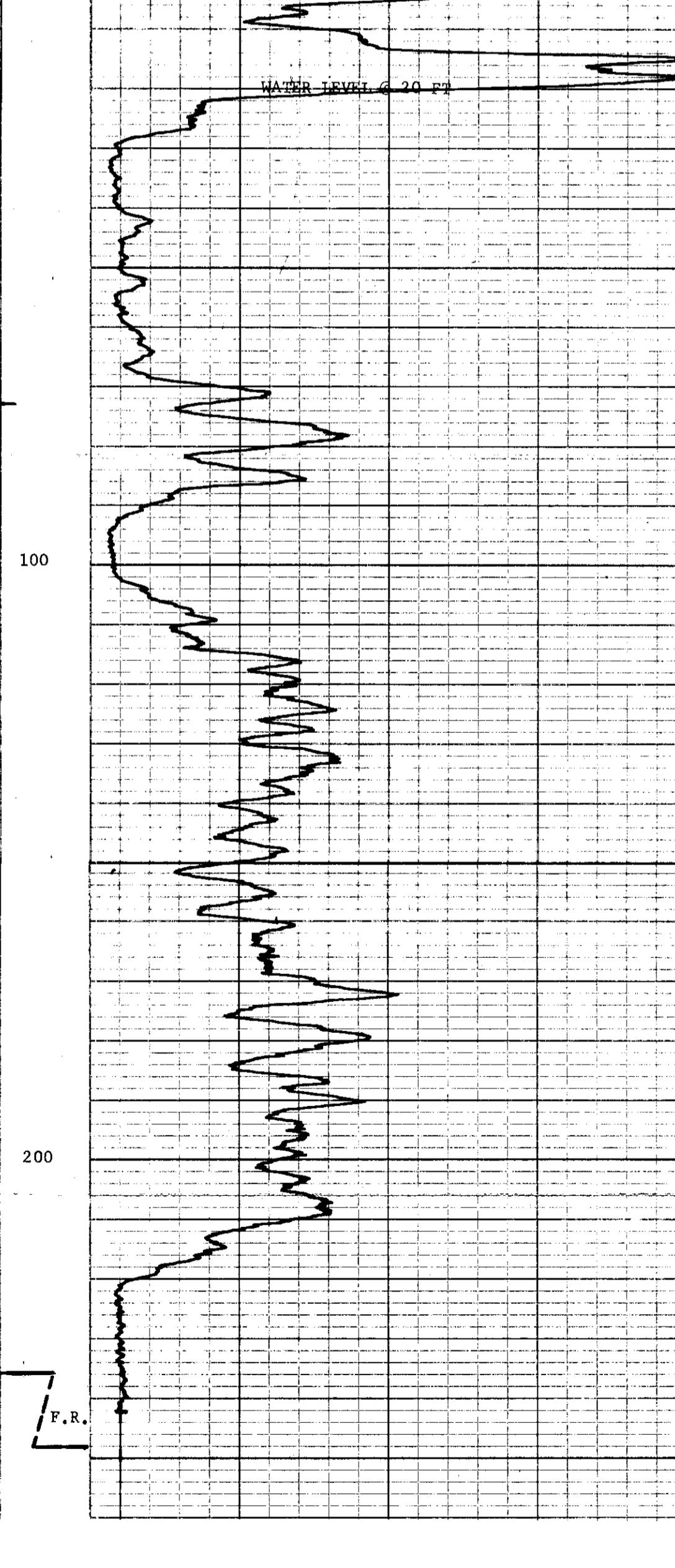
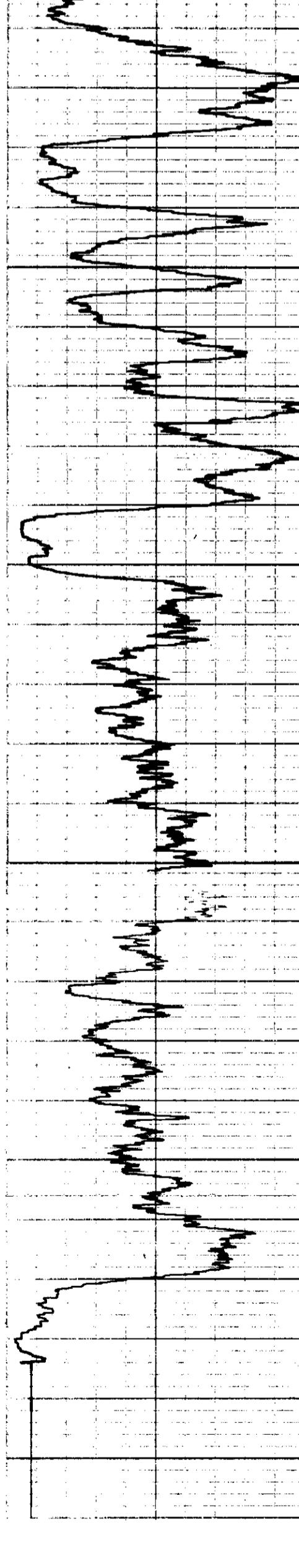
HOIST TRUCK NO.	30			SPACING			19 INCH				
INSTRUMENT TRUCK NO.				TYPE			AmBe				
TOOL SERIAL NO.	CGN27U4A 65			STRENGTH			3 CURRIE				
LOGGING DATA											
GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHs		SPEED FT/MIN	T.C. SEC	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T. C. SEC	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
	FROM	TO									
1	0	242	11	5	100	0L	6 API	3	500	0L	20 CPS
REMARKS LOGGED THROUGH DRILL STEM											

<http://www.sciencedirect.com/science/journal/00406034>

The figure consists of two separate horizontal scale bars. The left scale bar is labeled "GAMMA RAY INCREASES" at the top center. It has a horizontal arrow pointing to the right, with numerical markings "0", "6", and "60" positioned below it. The number "6" is enclosed in a small rectangular box with a vertical line extending upwards from its center. The right scale bar is labeled "NEUTRON INCREASES" at the top center. It also has a horizontal arrow pointing to the right, with numerical markings "0", "200", "20", and "400" positioned below it. The number "20" is enclosed in a small rectangular box with a vertical line extending upwards from its center.

1

10. The following table gives the number of hours worked by each of the 1000 workers.



ROKE

GAMMA RAY NEUTRON LOG

NEUTRON LOG
201NC 73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED	3/5
LSD SEC TWP RGE W M	WELL	RH 724	
LOCATION		GREENHILLS	
FIELD		FORDING	
PROVINCE		BRITISH COLUMBIA	
GROUND LEVEL		Elev.	
Permanent Datum	Log Measured from	FT. Above Perm. Datum	
First Reading	Ground Level		
Last Reading			
Footage Logged	288		
Depth Reached	289		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	20 FT		
Min. Diam.	4 1/2 INCH		
Rm @ 0 F			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPLIN

LENGTH

GENERAL		SOURCE MODEL NO.		MRC-N-SS-W							
HOIST TRUCK NO.	30	SERIAL NO.	50								
INSTRUMENT TRUCK NO.		SPACING	19 INCH								
TOOL SERIAL NO.	CGN27U4A 65	TYPE	AmBe								
		STRENGTH	3 CURRIE								
LOGGING DATA											
GENERAL			GAMMA RAY			NEUTRON					
RUN NO.	DEPTHs		SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T. C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	18	11	5	100	0L	10 API	3	1000	0L	80 CPS
	18	288	11	5	100	0L	10 API	3	500	0L	40 CPS
REMARKS											

GAMMA RAY INCREASES

NEUTRON INCREASES

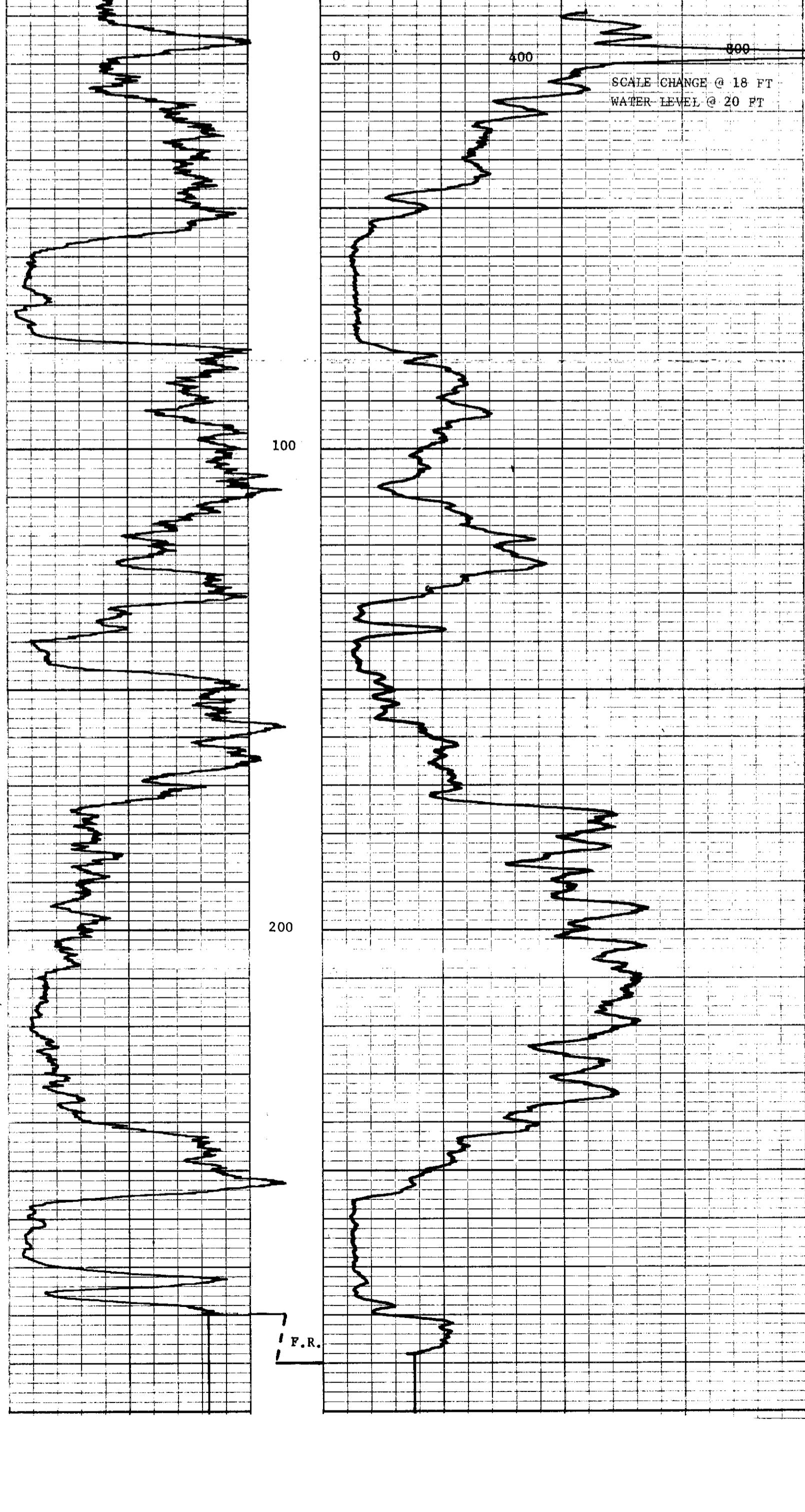
API

CPS

0 10 100

0 800 1600

— 1 —



ROKE

EDMONTON - ALBERTA

72/3)G -

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RD 724
SEC		
TWP		
RGE	LOCATION	GREENHILLS
W	M	
	FIELD	FORDING
PROVINCE BRITISH COLUMBIA		
Permanent Datum	GROUND LEVEL	Elev.
Log Measured from	GROUND LEVEL	ft. Above Perm. Datum
Well Depths Measured from	GROUND LEVEL	
Run. No.	ONE	
Date	25 JULY 1973	
First Reading	280	
Last Reading	50	
Footage Logged	80	
Depth Reached		
Depth Driller		
Casing Roke		
Casing Driller		
Fluid Type	WATER	
Liquid Level	20 FT	
Min. Diam.	4 1/2 INCH	
Rm @ °F		
Operating Time	2 1/2 HOURS	
Truck No.	30	
Recorded By	JOHNSON	Witnessed By TAPLIN

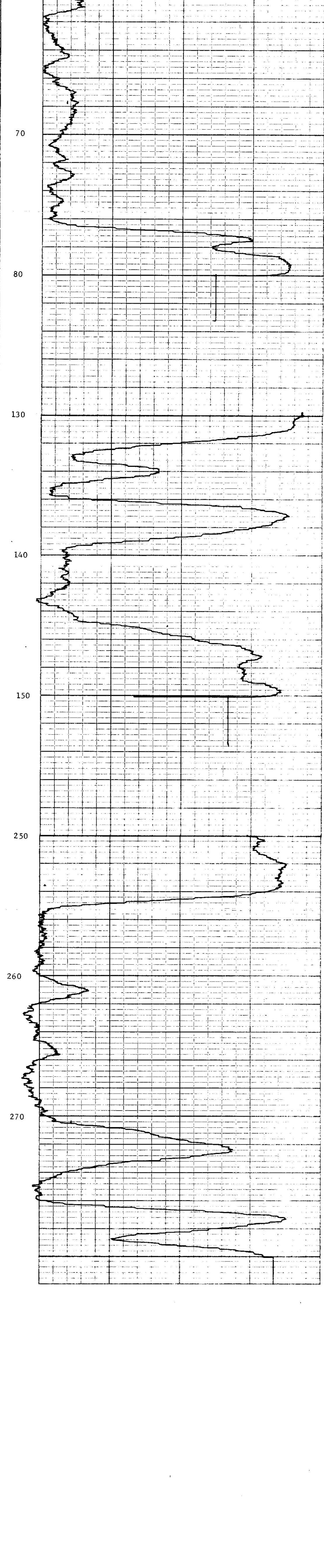
315

LOGGING DATA							
RUN NO.	DEPTHS		SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV.
	FROM	TO					
1	50	280	5	3	1000	4.93 R	
REMARKS							
CALIPER				DENSITY			
HOLE DIAMETER (INCHES)				CPS			

10.000-15.000 m²

The figure consists of two side-by-side graphs. Both graphs have a vertical y-axis labeled 'WEIGHT GAINED' and a horizontal x-axis labeled 'TIME'. The left graph's x-axis has tick marks at 1.10, 1.15, and 1.20. The right graph's x-axis has tick marks at 1.10, 1.15, 1.20, 1.25, 1.30, 1.35, 1.40, 1.45, 1.50, 1.55, 1.60, 1.65, 1.70, 1.75, 1.80, 1.85, 1.90, 1.95, 2.00, 2.05, 2.10, 2.15, 2.20, and 2.25. The left graph shows a flat line at the 1.10 mark. The right graph shows a curve starting at 1.10 and rising steadily to about 2.20.

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ROKEK-
FORGING 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO	COMPANY	FORDING COAL LIMITED	CALGARY, ALBERTA
LSD	WEI	RH 725	
SEC			
TWP			
RGE			
W	M	LOCATION	GREENHILLS
		FIELD	FORDING
315			
PROVINCE		BRITISH COLUMBIA	
Run No.		GROUND LEVEL	PROF.
Date		GROUND LEVEL	K.B.
Last Reading			CSG
Footage Logged			G.L.
Depth Reached			
Depth Drill Bit			
Casing Rode			
Casing Driller			
Fluid Type		AIR/WATER	
Liquid Level		100 FT	
Min. Dam			
Rim @ 0°F			
Operating Time		2 HOURS	
Truck No.		30	
Recorded By		JOHNSON	Witnessed By
		BILL	

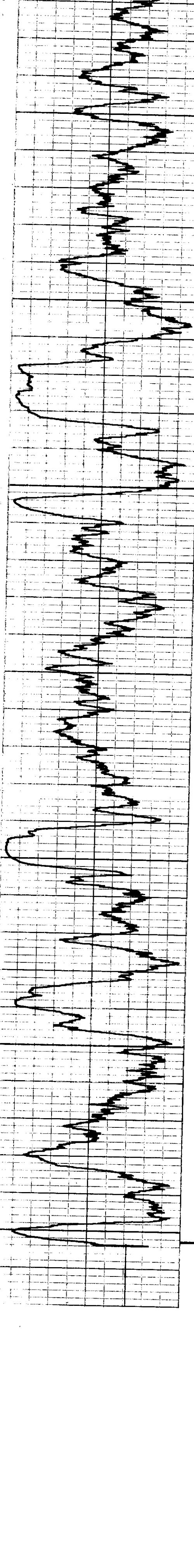
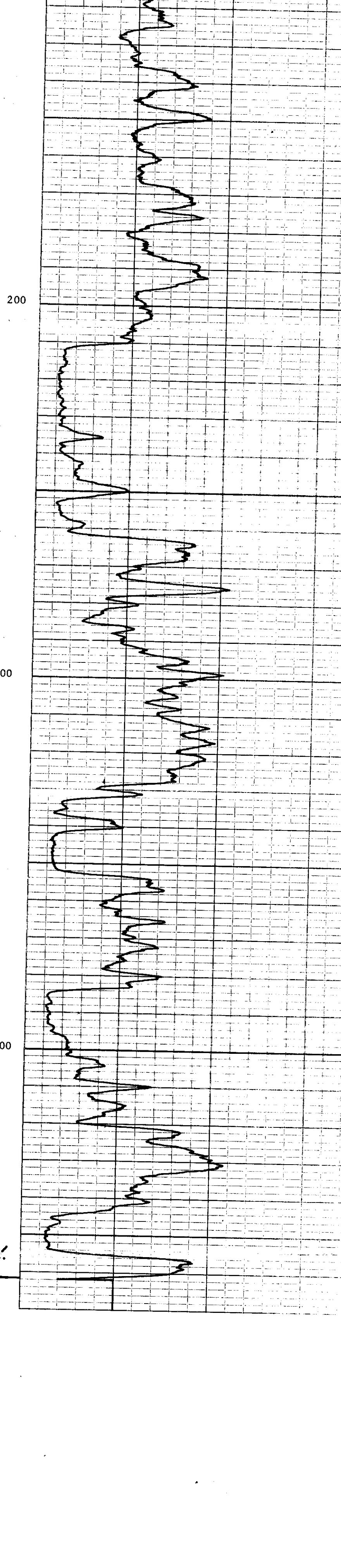
EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO.	ONE	ONE	RUN NO.	LOG TYPE	NEUTRON/NEUTRON
TOOL MODEL NO.			TOOL MODEL NO.		
DIAMETER	1 11/16		DIAMETER		1 11/16
DETECTOR MODEL NO.			DETECTOR MODEL NO.		
TYPE	GEIGER		TYPE	PROPORTIONAL	
LENGTH	18 INCH		LENGTH	6 INCH	
DISTANCE TO N. SOURCE	8.55 FT.		SOURCE MODEL NO.	MRC-N-SS-W	
HOIST TRUCK NO.	30		SERIAL NO.	50	
INSTRUMENT TRUCK NO.			SPACING	19 INCH	
TOOL SERIAL NO.	CGN27U4A 65		TYPE	AmBe	
			STRENGTH	3 CURRIE	

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON			
RUN NO.	DEPTHs.	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS
1	0 100	11 5		100	0L	10 API	3	1000	0L	80 CPS
	100 456	11 5		100	0L	10 API	3	500	0L	40 CPS

REMARKS

GAMMA RAY**NEUTRON**

ROKEK-FAC-01-73(3)A-1
SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

315

FILE NO.	FORDING COAL LIMITED
LSD	
SEC	RH 725
TWP	
RGE	
W	
M	

FIELD	FORDING
PROVINCE	BRITISH COLUMBIA
Permanent Datum	Elev
Logging Datum	GND LEVEL
Well Depth Measured from	GND LEVEL

Other Services	GRN
K.B.	
C.S.G.	
G.L.	

Run No.	ONE
Date	26 JULY 1973
First Reading	460
Last Reading	30
Range Logged	130
Depth Reached	

DEPTH	460
DEPTH	440
DEPTH	420
DEPTH	400
DEPTH	380
DEPTH	360
DEPTH	340
DEPTH	320
DEPTH	300
DEPTH	280
DEPTH	260
DEPTH	240
DEPTH	220
DEPTH	200
DEPTH	180
DEPTH	160
DEPTH	140
DEPTH	120
DEPTH	100
DEPTH	80
DEPTH	60
DEPTH	40
DEPTH	20
DEPTH	0

DEPTHS	460
DEPTHS	440
DEPTHS	420
DEPTHS	400
DEPTHS	380
DEPTHS	360
DEPTHS	340
DEPTHS	320
DEPTHS	300
DEPTHS	280
DEPTHS	260
DEPTHS	240
DEPTHS	220
DEPTHS	200
DEPTHS	180
DEPTHS	160
DEPTHS	140
DEPTHS	120
DEPTHS	100
DEPTHS	80
DEPTHS	60
DEPTHS	40
DEPTHS	20
DEPTHS	0

SPEED	1000
FT/MIN	5
SEC	3

SENS	1000
SETTINGS	

ZERO	4.93 R
DIV. L OR R	

CPS/DIV.	
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REMARKS	
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CALIPER	
---------	--

HOLE DIAMETER (INCHES)	
------------------------	--

DEPTH	460
DEPTH	440
DEPTH	420
DEPTH	400
DEPTH	380
DEPTH	360
DEPTH	340
DEPTH	320
DEPTH	300
DEPTH	280
DEPTH	260
DEPTH	240
DEPTH	220
DEPTH	200
DEPTH	180
DEPTH	160
DEPTH	140
DEPTH	120
DEPTH	100
DEPTH	80
DEPTH	60
DEPTH	40
DEPTH	20
DEPTH	0

DEPTH	460
DEPTH	440
DEPTH	420
DEPTH	400
DEPTH	380
DEPTH	360
DEPTH	340
DEPTH	320
DEPTH	300
DEPTH	280
DEPTH	260
DEPTH	240
DEPTH	220
DEPTH	200
DEPTH	180
DEPTH	160
DEPTH	140
DEPTH	120
DEPTH	100
DEPTH	80
DEPTH	60
DEPTH	40
DEPTH	20
DEPTH	0

DEPTH	460
DEPTH	440
DEPTH	420
DEPTH	400
DEPTH	380
DEPTH	360
DEPTH	340
DEPTH	320
DEPTH	300
DEPTH	280
DEPTH	260
DEPTH	240
DEPTH	220
DEPTH	200
DEPTH	180
DEPTH	160
DEPTH	140
DEPTH	120
DEPTH	100
DEPTH	80
DEPTH	60
DEPTH	40
DEPTH	20
DEPTH	0

DEPTH	460
DEPTH	440
DEPTH	420
DEPTH	400
DEPTH	380
DEPTH	360
DEPTH	340
DEPTH	320
DEPTH	300
DEPTH	280
DEPTH	260
DEPTH	240
DEPTH	220
DEPTH	200
DEPTH	180
DEPTH	160
DEPTH	140
DEPTH	120
DEPTH	100
DEPTH	80
DEPTH	60
DEPTH	40
DEPTH	20
DEPTH	0

RECORDED BY	JOHNSON
WITNESSED BY	BELL

ROKE

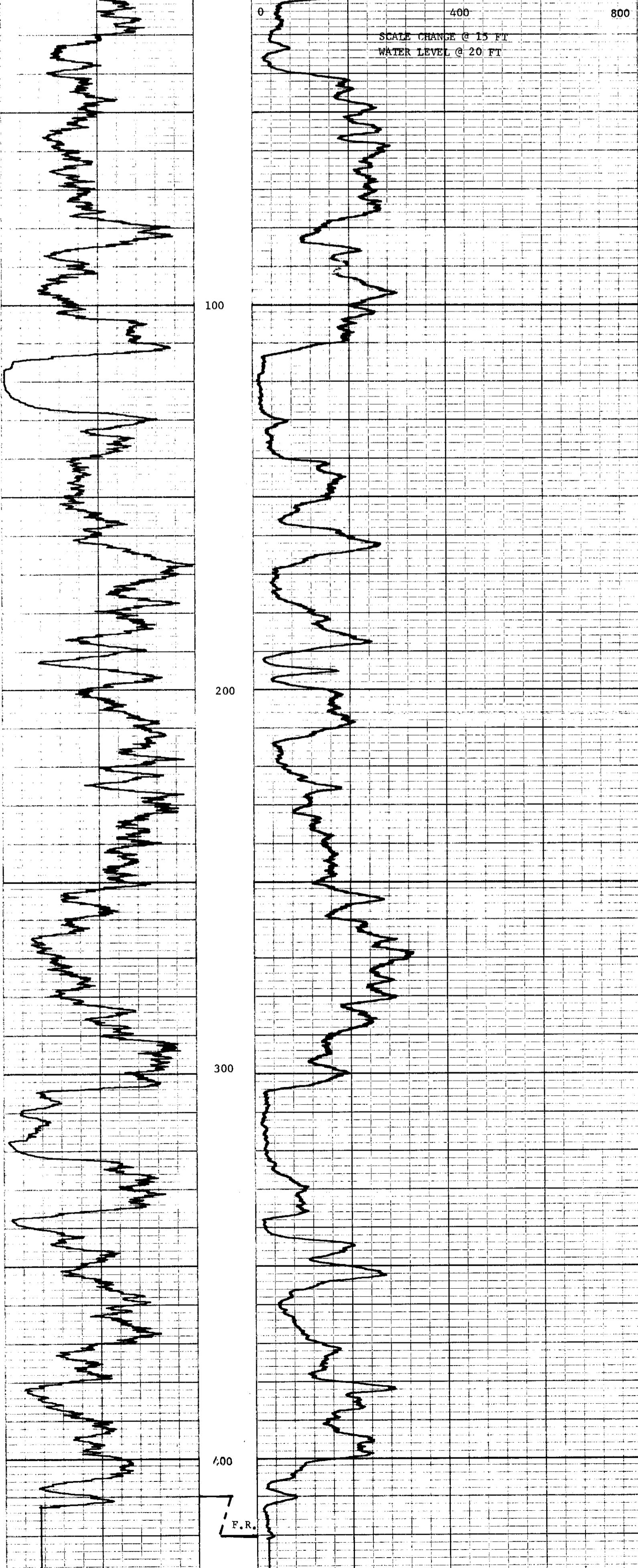
K-forensics 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO		OIL ENTERPRISES LTD. CALGARY, ALBERTA	
LSD	COMPANY	FORDING COAL LIMITED	
SEC	WELL	RH 726	
TWP	LOCATION	GREENHILLS	
RGE			
W			
M			
FIELD		FORDING	
PROVINCE		BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Rev	K R
Loc Measured from	GROUND LEVEL	ft. Above Perm. Datum	CSG
Well Depth Measured from	GROUND LEVEL	G.L.	
Other Services			

3/5

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	30	SERIAL NO.	50
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A 65	TYPE	AmBe
		STRENGTH	3 CURIE

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	15	11	5	100	0L	6 API	3	1000	0L	60 CPS
	15	421	11	5	100	0L	6 API	3	500	0L	30 CPS
REMARKS LOGGED THROUGH DRILL STEM											



ROKE

K - FOREST DE 73(3A-1)
GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD	WELL	RH 727	
SEC			
TWP			
RGE	LOCATION	GREENHILLS	
W. M.			
FIELD		FORDING	
PROVINCE		BRITISH COLUMBIA	
GROUND LEVEL		Elev.	
LOG Measured from		Fi. Above Perm. Datum	
Well Depths Measured from			
Run. No.	ONE		
Date	25 JULY 1973		
First Reading	274		
Last Reading	0		
Footage Logged	274		
Depth Reached	275		
Depth Driller			
Casing Roker			
Casing Driller			
Fluid Type	WATER		
Liquid Level	32 FT		
Min. Drum	4 1/2 INCH		
Rm @ 0F			
Operating Time	2 1/2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPLIN

315

EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO.			ONE		
TOOL MODEL NO.			LOG TYPE		
DIAMETER			TOOL MODEL NO.		
DETECTOR MODEL NO.			DIAMETER		
TYPE	GEIGER		DETECTOR MODEL NO.	1 1/16	
LENGTH	18 INCH		TYPE	PROPORTIONAL	
DISTANCE TO N. SOURCE	8.55 FT.		LENGTH	6 INCH	
GENERAL			SOURCE MODEL NO.	MRC-N-SS-W	
HOIST TRUCK NO.	30		SERIAL NO.	50	
INSTRUMENT TRUCK NO.			SPACING	19 INCH	
TOOL SERIAL NO.	CGN27U4A 65		TYPE	AmBe	
			STRENGTH	3 - CURRIE	

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	30	11	5	100	0L	10 API	3	1000	0L	80 CPS
	30	274	11	5	100	0L	10 API	3	500	0L	40 CPS

REMARKS

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES

NEUTRON INCREASES

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ROKE

SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

ROKE

SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

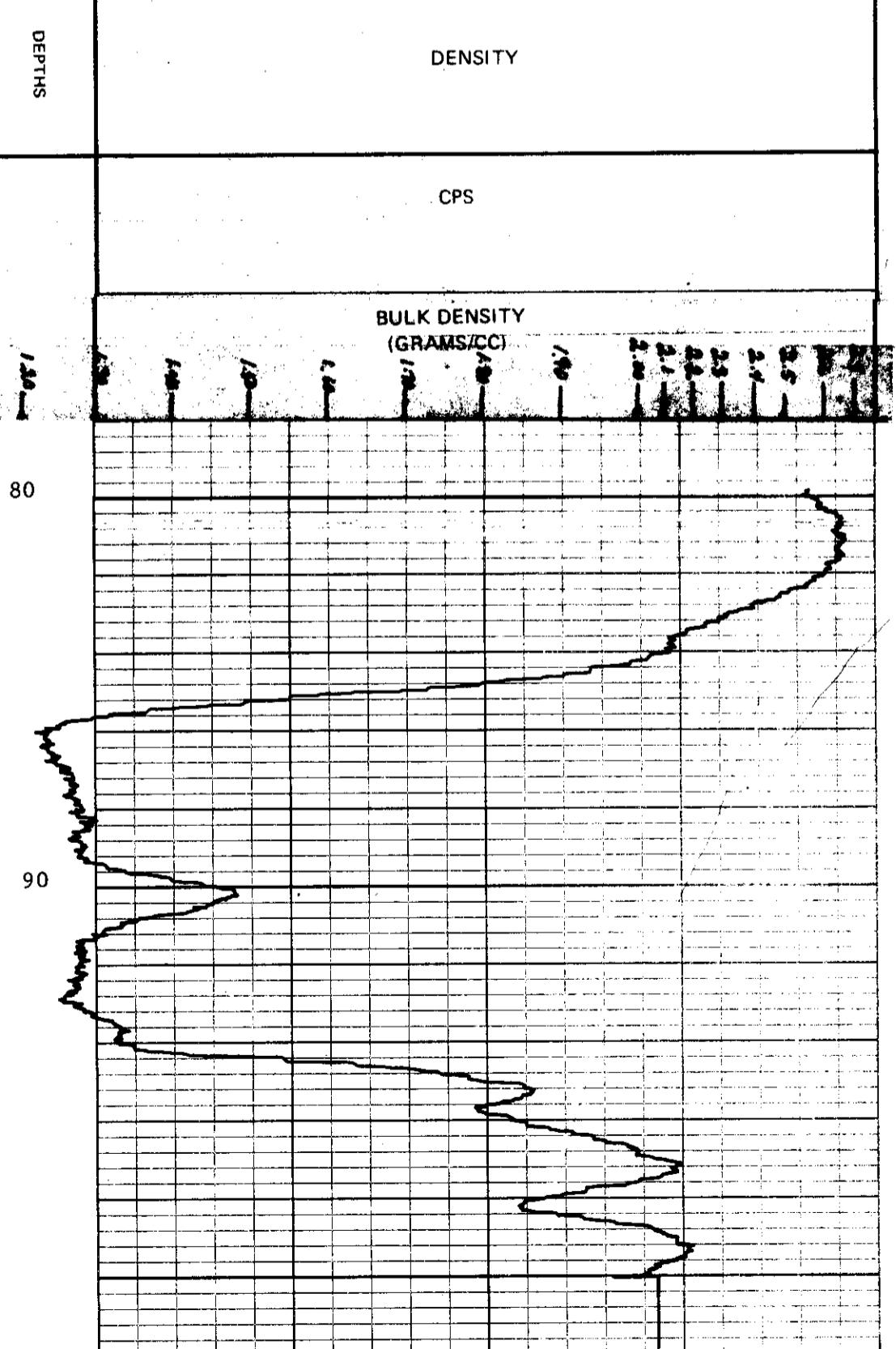
FILE NO.	COMPANY FORDING COAL LIMITED		
LSD	WELL	RH 727	
SEC			
TWP			
RGE			
W	M	LOCATION GREENHILLS	
		FIELD FORDING	
PROVINCE BRITISH COLUMBIA		Other Services:	
Permanent Datum GROUND LEVEL		GRN	
Log Measured from GROUND LEVEL		Elev. _____	
Well Depths Measured from GROUND LEVEL		Ft. Above Perm. Datum	
		K.B. _____	
		CSG _____	
		G.L. _____	

315

Run. No.	ONE		
Date	25 JULY 1973		
First Reading	100		
Last Reading	80		
Footage Logged	20		
Depth Reached			
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	32 FT		
Min. Diam.	4 1/2 INCH		
Rm @ 0°F			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	TAPLIN

LOGGING DATA

REMARKS TOOL WOULDN'T GO DOWN TO LOWER ZONES



ROKEK- FOREMAN 75(3)P-1
GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY FORDING COAL LIMITED
LSD SEC WELL RH - 728
TWP RGE LOCATION GREENHILLS

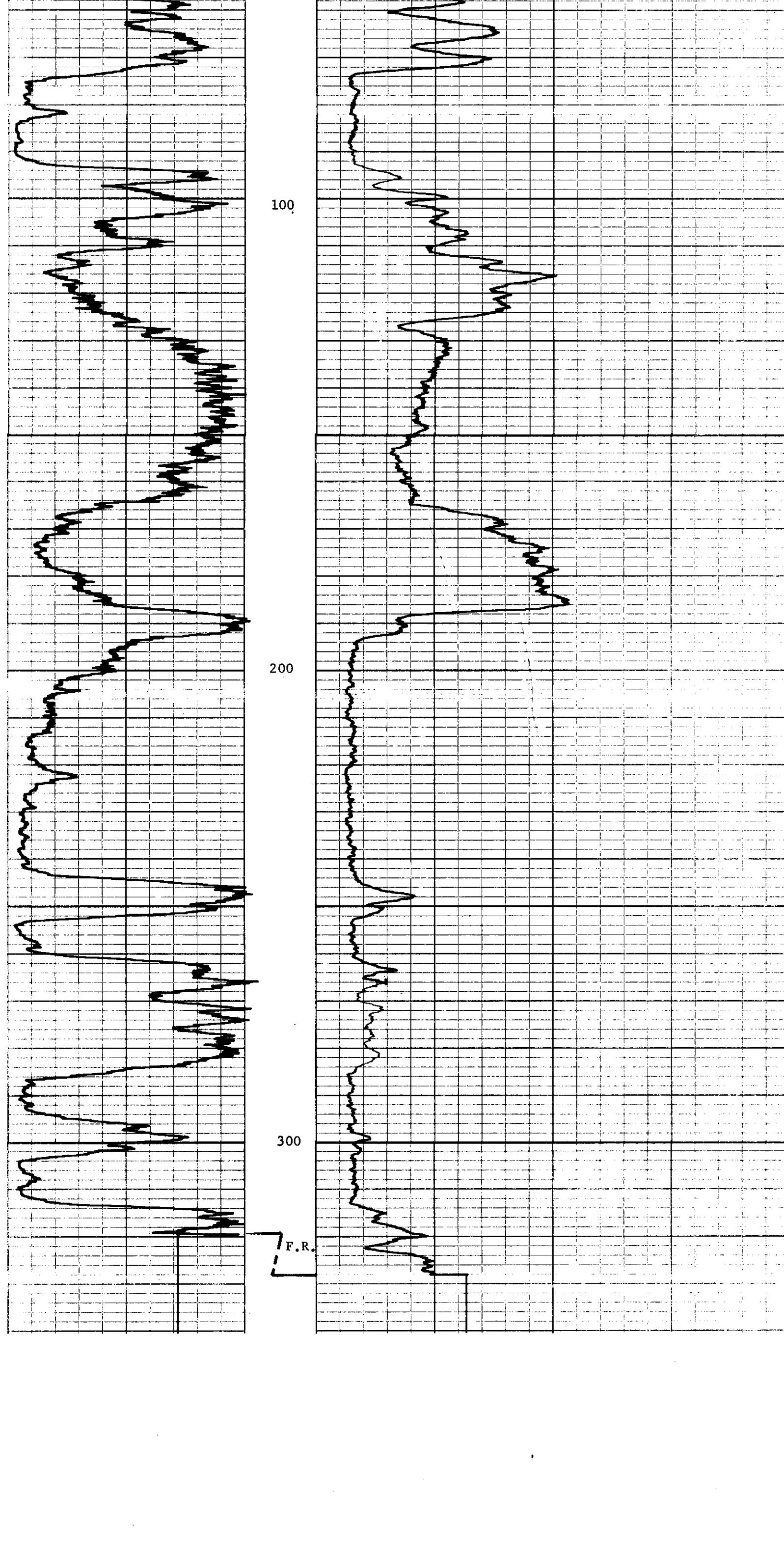
3/5

FIELD FORDING

PROVINCE BRITISH COLUMBIA

GROUND LEVEL Elevation
Ft. Above Point Datum
Other Services
DENSPoint Measured from
Well Depth Measured fromK.B.
C.S.G.
G.L.

EQUIPMENT DATA											
GAMMA RAY		NEUTRON									
RUN NO.	ONE	RUN NO.	ONE								
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON								
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	1 $\frac{11}{16}$								
DETECTOR MODEL NO.		DIAMETER									
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL								
LENGTH	18 INCH	TYPE	6 INCH								
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	MRC-N-SS-W								
GENERAL		SOURCE MODEL NO.	50								
HOIST TRUCK NO.	30	SERIAL NO.	19 INCH								
INSTRUMENT TRUCK NO.		SPACING	AmBe								
TOOL SERIAL NO.	CGN27U4A 65	TYPE	3. CURRIE								
LOGGING DATA											
GENERAL		GAMMA RAY									
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
NO.	FROM	TO	FT/MIN	SEC	SETTINGS	DIV L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	26	11	5	100	0L	10	3	1000	0L	80 CPS
		328	11	5	100	0L	10	3	500	0L	40 CPS
REMARKS											



FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	SEC	WELL
TWP	TWP	RH - 728
RGE	RGE	LOCATION
W...	M...	GREENHILLS
Run No.	Field	Other Services
Operating Time	FORDING	DENS
Truck No.		
Recorded By	JOHNSON	Witnessed By TAPLIN

ROKE

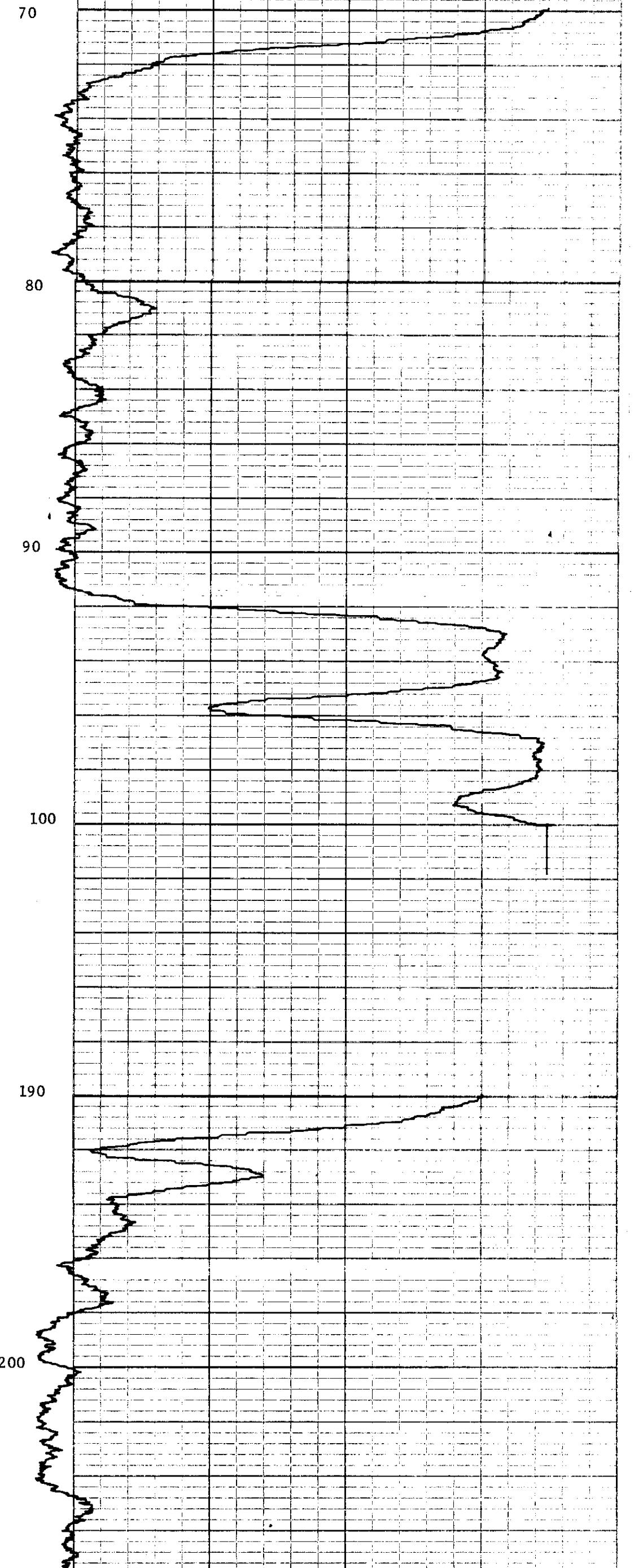
SIDEWALL DENS

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TERRAISES LTD.
CALGARY, ALBERTA

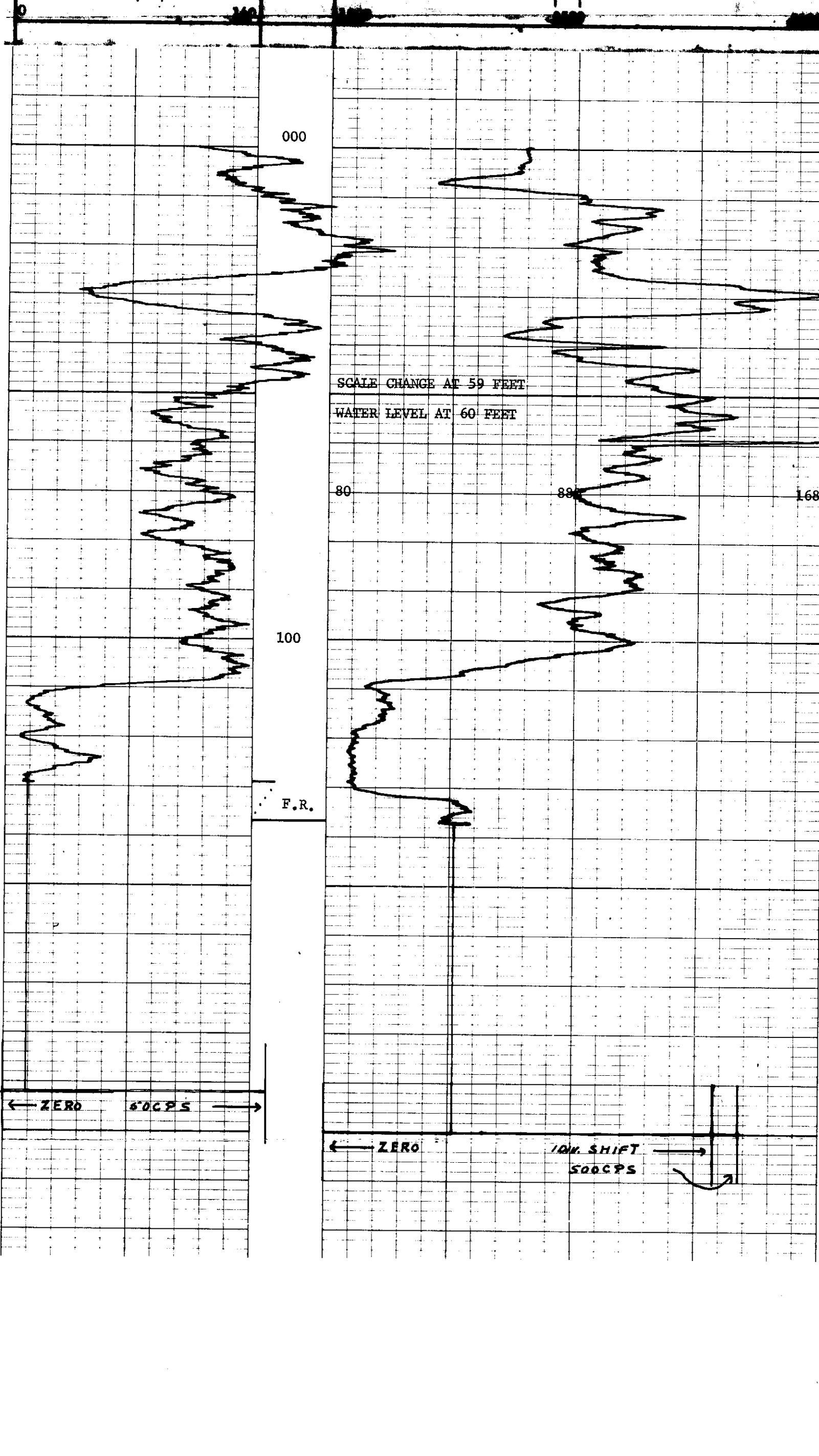
BOINKE 73(3A-1)
AN LOG

ROKE		OIL ENTERPRISES LTD.	CALGARY, ALBERTA
		GAMMA RAY LOG	
FILE NO.	LSD SEC TWP AGE	COMPANY	FORDING COAL LIMITED
M	WELL	RE-729	315
	LOCATION	GREENHILLS	
	FIELD	FORGING	
	PROVINCE	BRITISH COLUMBIA	
	GROUND LEVEL	ELEV.	
	LOG MEASURED from	GROUND LEVEL	ft. Above Perm. Datum
	Well Depth Measured from	GROUND LEVEL	
Run No.	ONE		
Date	6 NOVEMBER 1974		
First Reading	137		
Last Reading	0		
Footage Lined	137		
Depth Reached	139		
Death Driller	140		
Casing Reels			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	60		
Min. Diam.	4-7/8		
Rm @ °F			
Operating Time	1 HOUR		
Truck No.	33		
Recorded By	JOHNSON	Witnessed By TAYLOR	

SOURCE M
SERIA

GENERAL		SOURCE MODEL NO.		MRC-N-SS-W							
HOIST TRUCK NO.	33	SERIAL NO.		598							
INSTRUMENT TRUCK NO.		SPACING		17 INCH							
TOOL SERIAL NO.	02027044-65	TYPE		AmBe							
		STRENGTH		3 CURIES							
LOGGING DATA											
GENERAL			GAMMA RAY			NEUTRON					
RUN NO.	DEPTHs		SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNIT
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	59	12	5	100	0L	14 API	3	1000	12L	160 API
	60	137	12	5	100	0L	14 API	3	500	1L	80 API
REMARKS											
GAMMA RAY			DEPTHS						NEUTRON		

NEUTRON INCREASES



ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

K - FORGEINK 73(3)A-1

FILE NO.	COMPANY	FORDING COAL LIMITED	
LAND SEC.	WELL	HS-730	
TOWN	LOCATION	GREENHILLS	
AGE	M		
FIELD FORDING			
PROVINCE BRITISH COLUMBIA GROUNDS LEVEL Elevation Log Measured from GROUND LEVEL Ft. Above Perm. Datum Well Depth Measured from GROUND LEVEL			
Other Services: NTI K.B. CSG G.L.			
Run. No.	ONE	Date	
First Reading	76	Last Reading	0
Footage Logged	76	Depth Reached	77
Depth Driller		Casing Rotor	
Casing Driller		Fluid Type	AIR/WATER
Rm @ °F		Liquid Level	6
Min. Diam.	4-7/8	Opting Time	1 1/2 HOURS
Truck No.	33	Recorded By	JOHNSON
Witnessed By	TAFLIN		

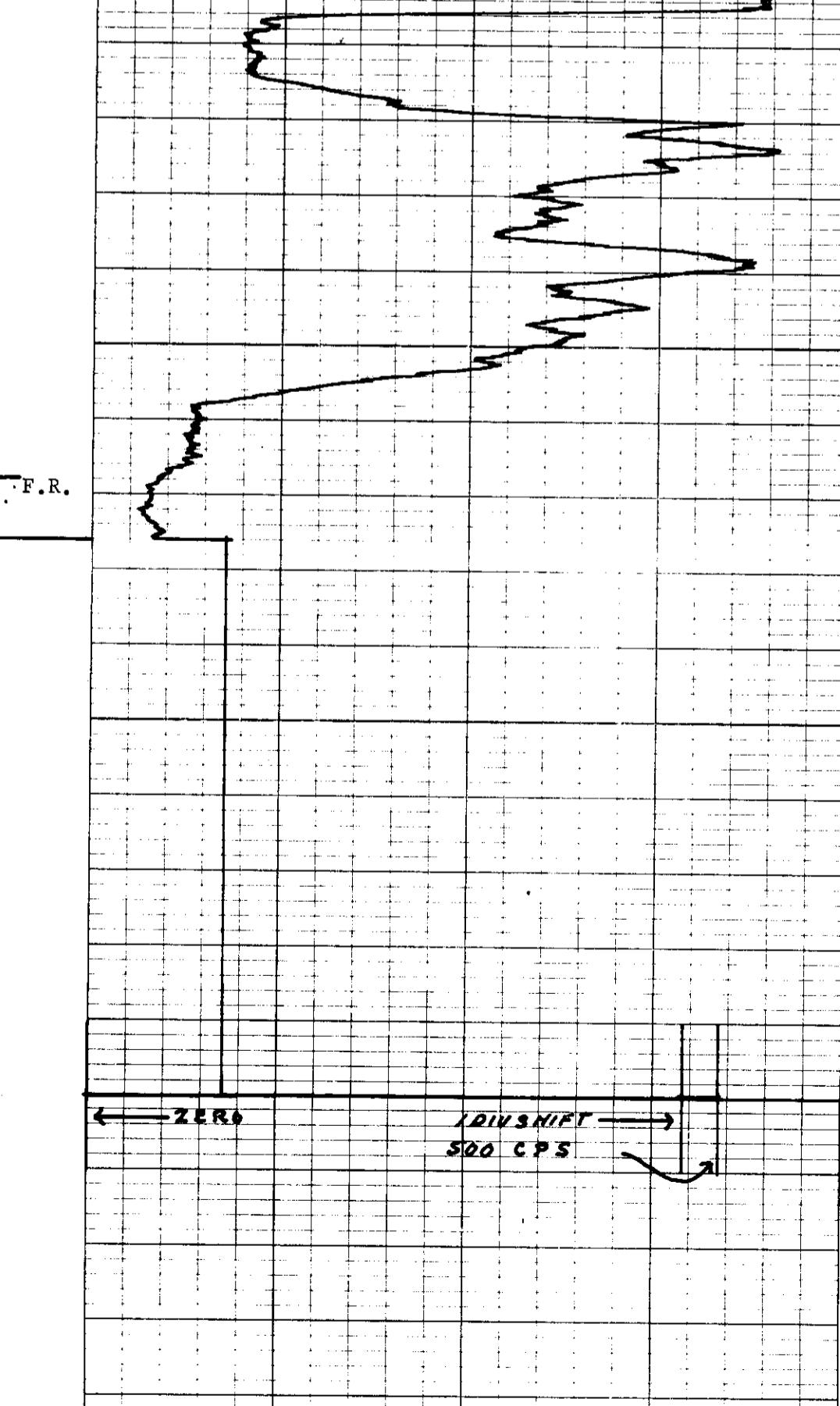
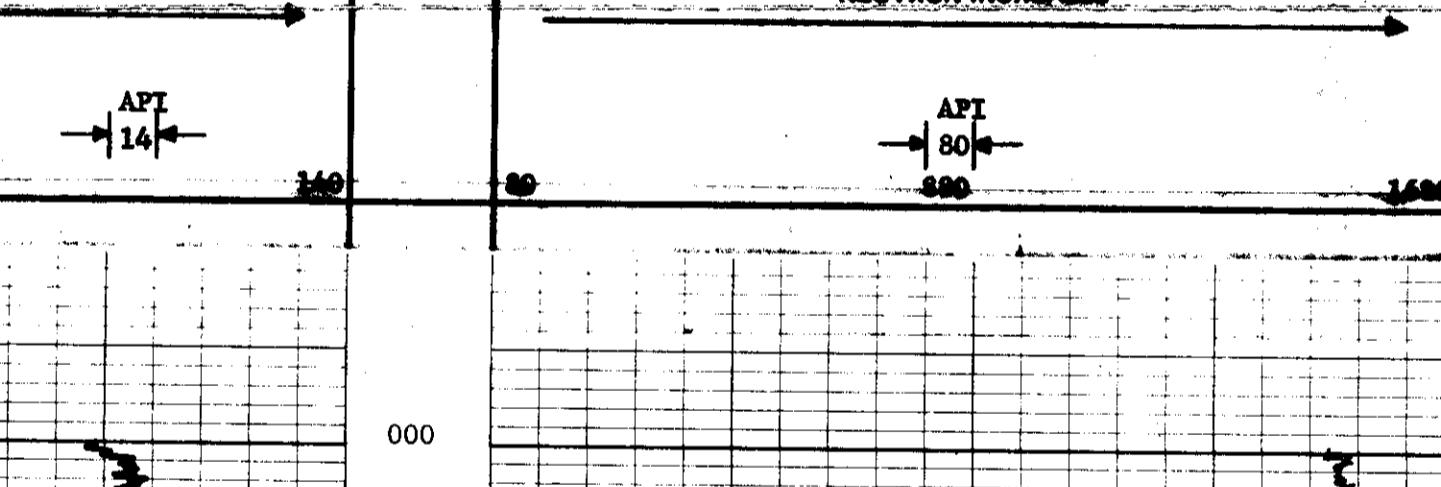
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	33	SERIAL NO.	998
INSTRUMENT TRUCK NO.		SPACING	17 INCH
TOOL SERIAL NO.	CGN27U4A-65	TYPE	AmBe
		STRENGTH	3 CURIES

LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTH		SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
	FROM	TO									
1	0	76	12	.5	100	0L	14 API	3	500	1L	80 API

REMARKS



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REPRISSES LTD.
CALGARY,
ALBERTA
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LSD	FILE NO.	COMPANY	FORDING COAL LIMITED	
SEC				
TWP				
RGE				
W	M	LOCATION	GREENHILLS	
		FIELD	FORDING	
PROVINCE		BRITISH COLUMBIA		
Pervious Datum		GROUND LEVEL		
Log Measured from		GROUND LEVEL		
Well Depths Measured from		GROUND LEVEL		
Run. No.	ONE		DENS	
Date	30 JULY 1973		Other Services	
First Reading	410		K.B.	
Last Reading	0		CSG	
Footage Logged	410		G.L.	
Depth Reached	411			
Depth Driller				
Casing Roke				
Casing Driller				
Fluid Type	WATER			
Liquid Level	- 24 FT			
Min. Diam.	4 1/2 INCH			
Rm. (in) °F				
Operating Time	2 HOURS			
Truck No	30			
Recorded By	JOHNSON	Witnessed By	BELL	

315

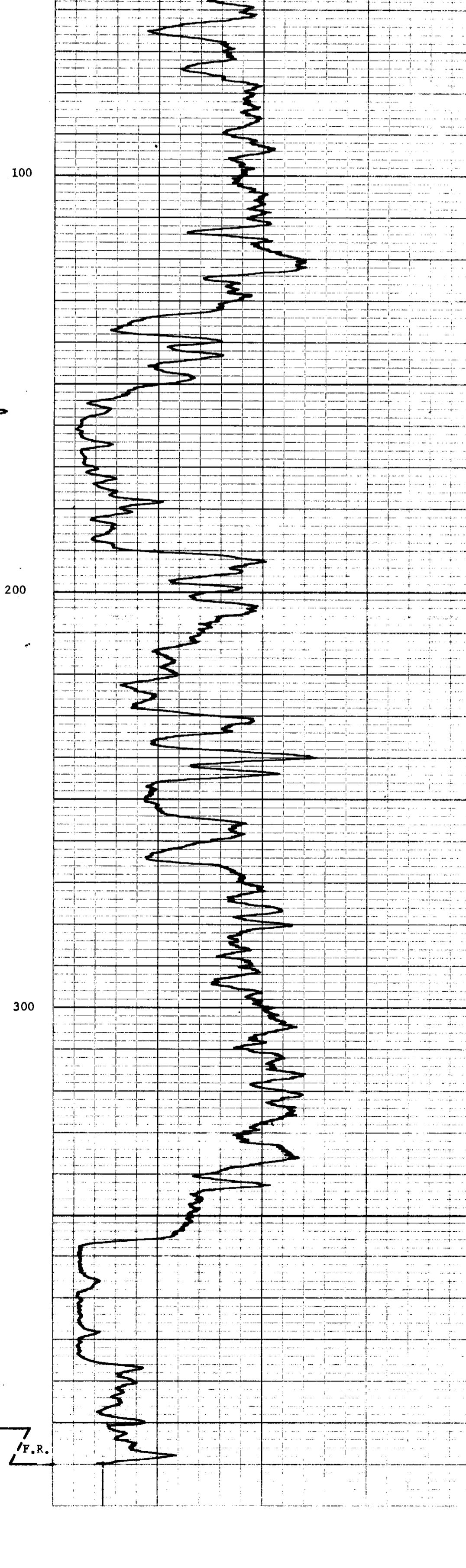
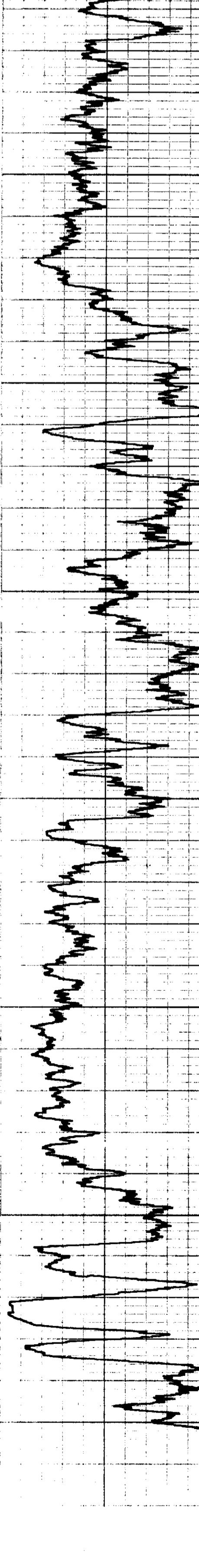
LOGGING DATA

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0 400 800

SCALE CHANGE 0.22 FT
WATER LEVEL 24 FT

100



ROKE

K-~~SEARCHER~~ 73(3)P-1
GAMMA RAY NEUTRON LOG

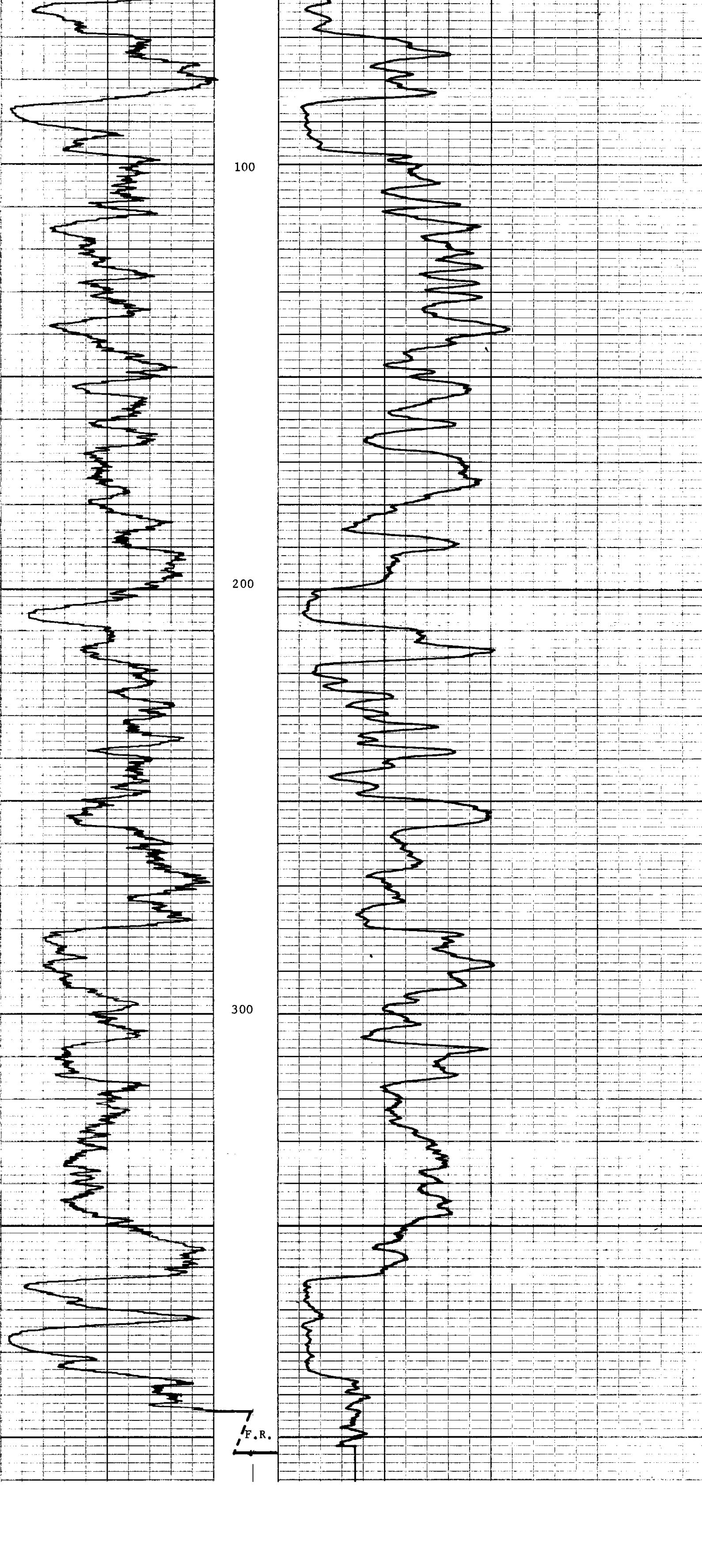
FILE NO.	OIL ENTERPRISES LTD. CALGARY, ALBERTA	
LSD SEC TWP RGE W	COMPANY	FORDING COAL LIMITED
M	WELL	RH 732
	LOCATION	GREENHILLS
	FIELD	FORDING
	PROVINCE	BRITISH COLUMBIA
	GROUND LEVEL	Elev. Ft. Above Perm. Datum
	GROUND LEVEL	K.B. C.S.C. G.L.
Permit No. _____	Run No. ONE	Other Services DENS
Date _____	Date 30 JULY 1973	
First Reading	402	
Last Reading	0	
Footage Logged	402	
Depth Reached	403	
Depth Driller	404	
Casing Roker		
Casing Driller		
Fluid Type	WATER	
Liquid Level	38 FT	
Min. Diam.	4 1/2 INCH	
Operating Time	2 HOURS	
Truck No.	30	
Recorded By	JOHNSON	Witnessed By BEILL

315

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL	30	SERIAL NO.	50
HOIST TRUCK NO.		SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A 65	STRENGTH	3 CURRIE

LOGGING DATA											
GENERAL		GAMMA RAY		NEUTRON							
RUN NO.	DEPTH(S)	SPEED	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	38	11	5	100	0L	10 API	3	1000	0L	80 CPS
	38	402	11	5	100	0L	10 API	3	500	0L	40 CPS

REMARKS



ROKE

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S LTD. CALGARY, ALBERTA

FORDING
GREENHILLS

312

BRITISH COLUMBIA .GRN
Other Services:

VEL ELEV. _____
Ft. Above Perm. Datum
GROUND LEVEL
K.B. _____
CSG _____
G.L. _____

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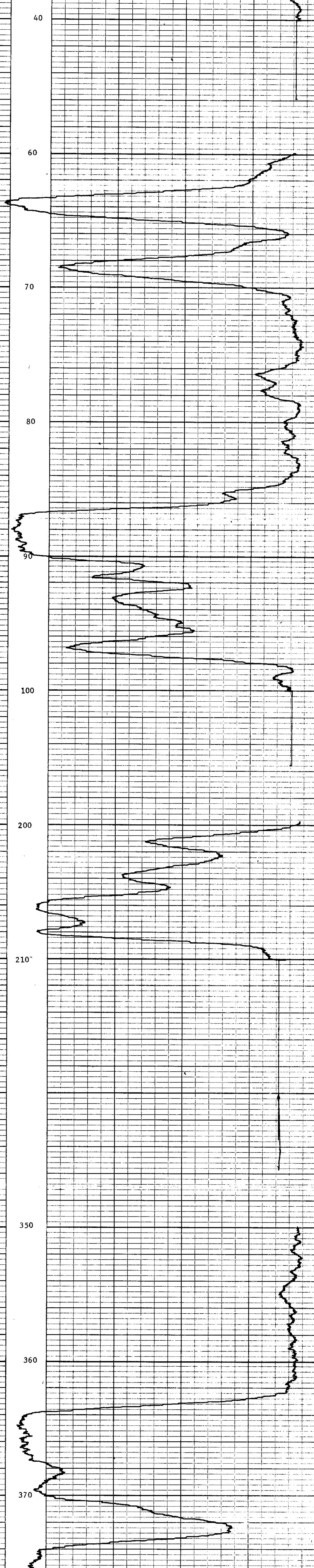
卷之三

Witnessed By BELL

— 1 —

ECG strip showing leads I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6. The strip shows a regular rhythm with a rate of approximately 60 bpm. Lead V1 shows a small r wave and a prominent q wave. Leads V2-V6 show a large, deep, negative QRS complex.

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ROKE

NEUTRON LOG

ROKE		GAMMA RAY NEUTRON LOG	
		OIL ENTERPRISES LTD. CALGARY, ALBERTA	
FILE NO.	COMPANY FORDING COAL LIMITED		
LSD SEC	WELL RH 734	TWP	LOCATION GREENHILLS
RGE W M	FIELD FORDING		
PROVINCE BRITISH COLUMBIA		Other Services:	
Permanent Datum	GROUND LEVEL	Elev	K.B.
Log Measured from	GROUND LEVEL	Ft. Above Perm. Datum	CSG
Well Depths Measured from			G.L.
Run No.	ONE		
Date	27 AUGUST 73		
First Reading	267		
Last Reading	0		
Footage Logged	267		
Depth Reached	268		
Depth Driller			
Casing Rroke			
Casing Driller			
Fluid Type	WATER		
Liquid Level			
Min. Diam.	4 1/2 INCH		
Rm @ OF			
Operating Time	1 1/2 HOURS		
Truck No.	32		
Recorded By	STM	Witnessed By	BERTRAND

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT	LENGTH	6 INCH

LEN
SOURCE M

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GAMMA RAY

NEUTRON

GAMMA RAY INCREASES →

NEUTRON INCREASES →

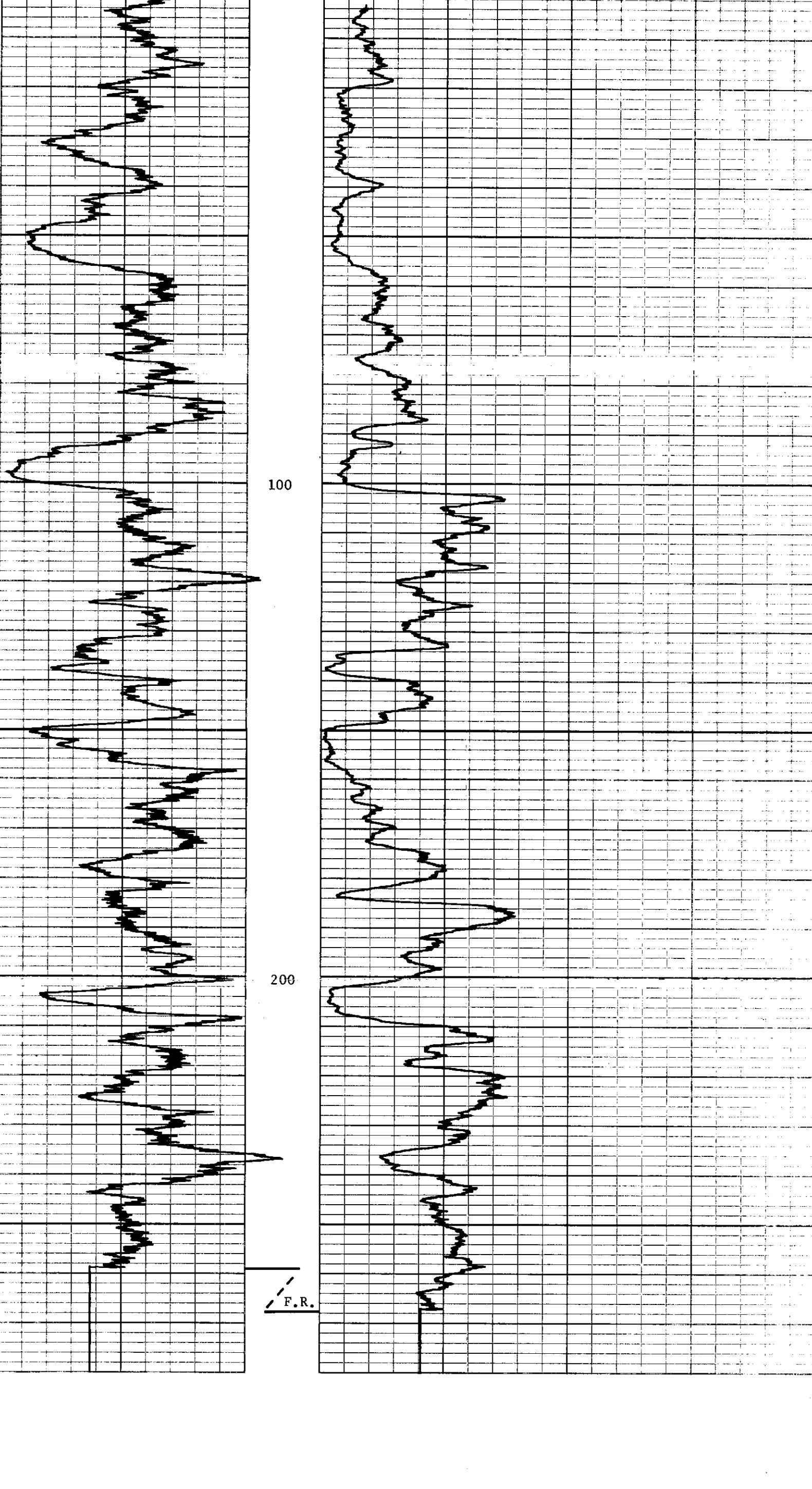
SHOTS

0 API 6 100

0 CPS 30 300 600

TIME

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ROKE

ROTINE 73(3)A-1

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD SEC TWP RGE	WELL	RH 735
M	LOCATION	GREENHILLS
	FIELD	FORDING
	PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL	Elev.
Log Measured from	GROUND LEVEL	ft. Above Perm Datum
Well Depths Measured from		
Run. No.	ONE	DENS
Date	23 AUGUST 73	K.B.
First Reading	355	CSG
Last Reading	0	G.L.
Footage Logged	355	Other Services:
Depth Reached	356	
Ceepth Driller	355	
Raising Roke	16	
Casing Driller	*	
Fluid Type	WATER	
Fluid Level	15 FEET	
Min. Diam.	4 1/2 INCH	
Temp @ 0F		
Operating Time	2 HOURS	
Truck No.	32	
recorded By	STM	Witnessed By
		BERTRAND

315

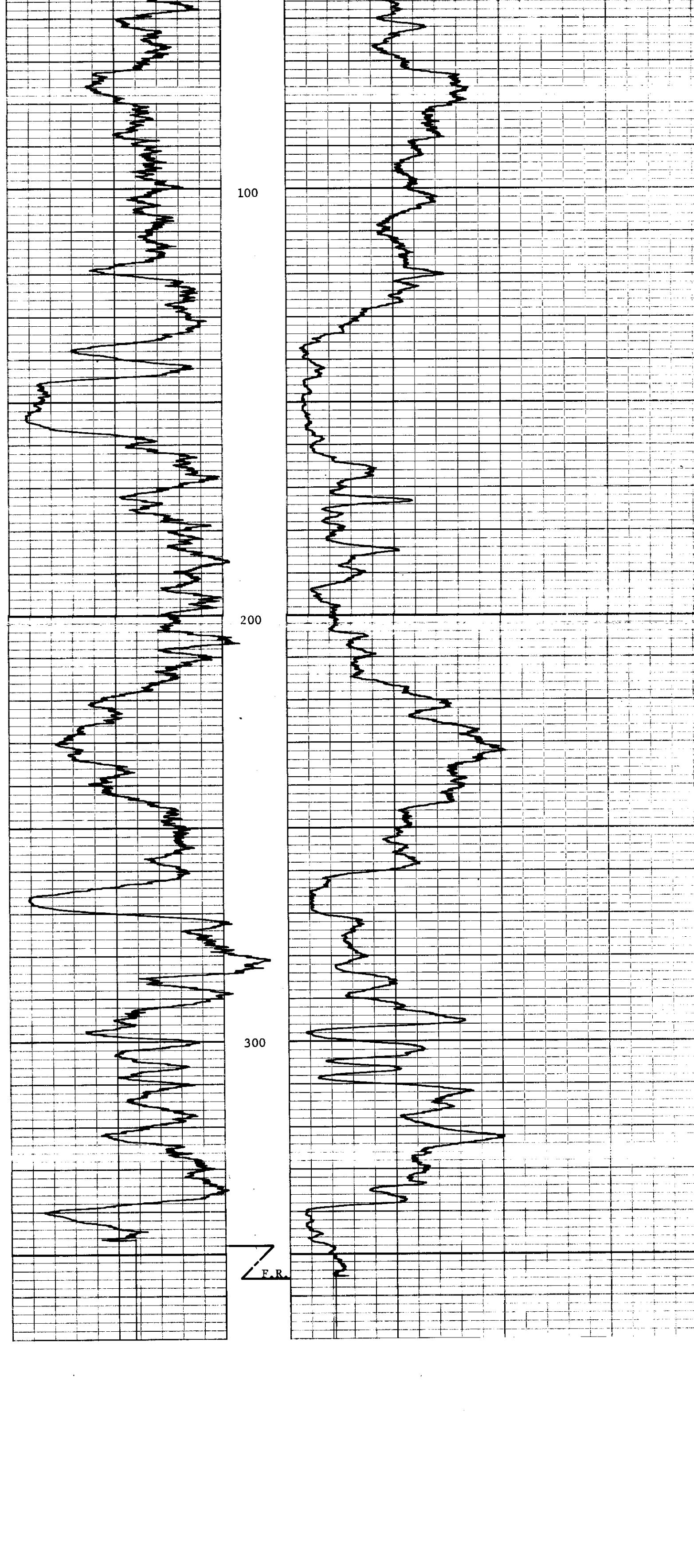
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	1 $\frac{11}{16}$
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.	32	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A-65	STRENGTH	3 CURRIE

LOGGING DATA

WATER LEVEL @ 15 FEET

ANSWER



ROKE

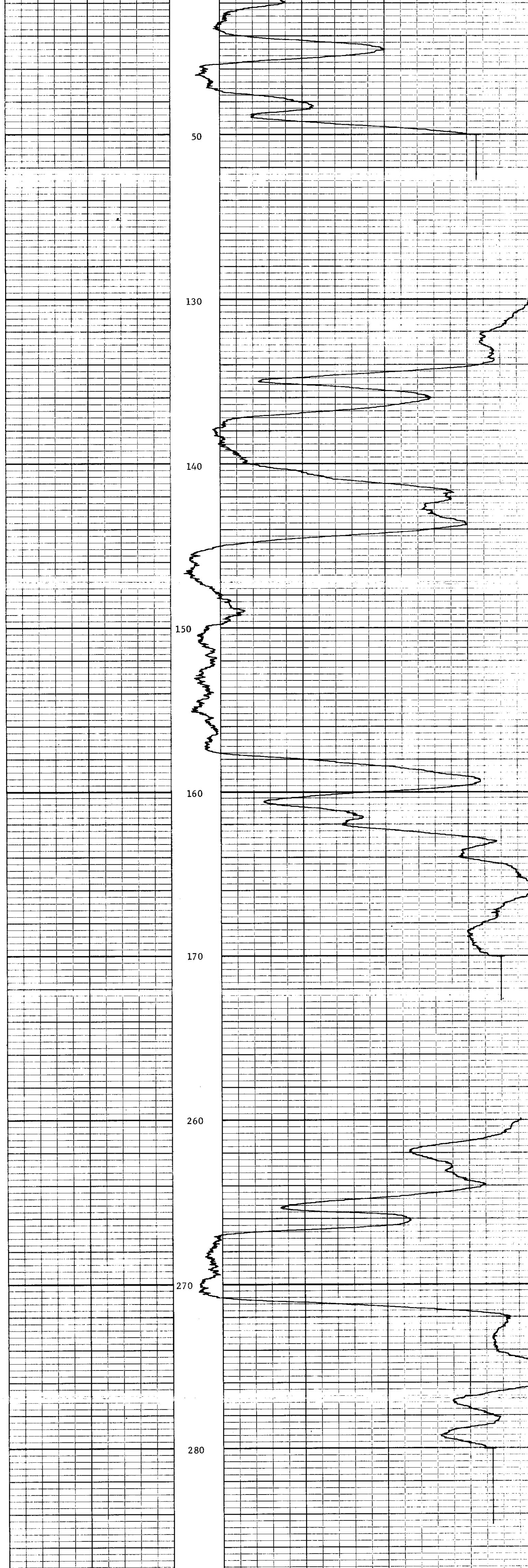
OIL ENTERPRISES LTD.

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THE JOURNAL OF CLIMATE

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A graph showing a linear relationship between two variables. The x-axis is labeled '30' and the y-axis has a grid. A straight line starts at approximately (0, 1) and ends at approximately (10, 11).



ROKE

MMA RAY NEUTRON LOG

ENTERPRISES LTD. CALGARY,
ALBERTA

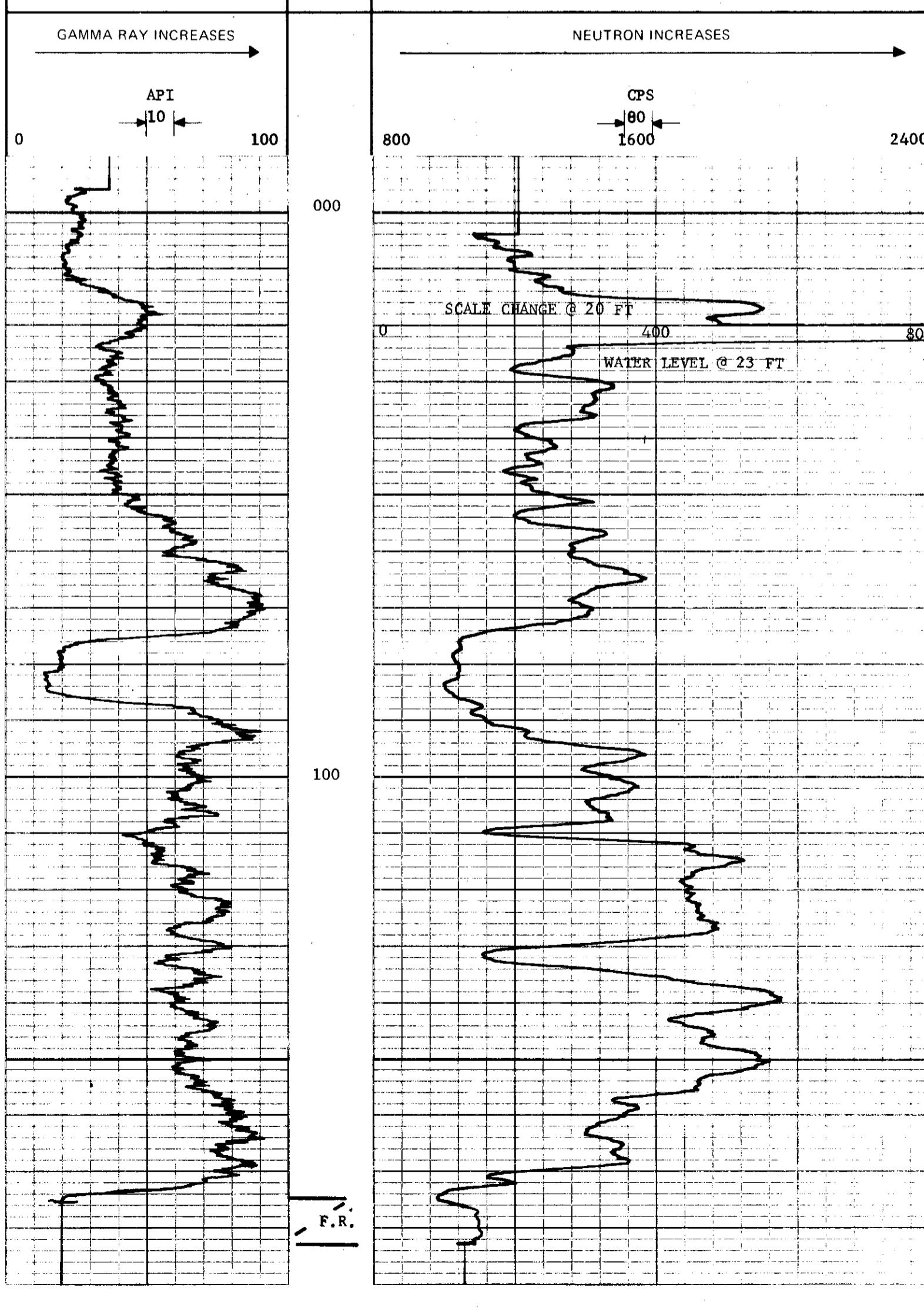
FILE NO.		COMPANY	FORDING COAL LIMITED
LSD SEC TWP RGE	M	WELL	R.H. 736
W		LOCATION	GREENHILLIS
		FIELD	FORDING
PROVINCE		BRITISH COLUMBIA	
Permanent Datum		GROUND LEVEL	Elev.
Log Measured from		GROUND LEVEL	ft. Above Perm. Datum
Well Depths Measured from		GROUND LEVEL	
Run. No.		ONE	Other Services:
Date		7. SEPT 73	K.B.
First Reading		183	CSG
Last Reading		0	G.L.
Footage Logged		183	
Depth Reached		184	
Depth Driller		300	
Casing Rake			
Casing Drillier			
Fluid Type		AIR/WATER	
Liquid Level		23 FT	
Min. Diam.		4 7/8 INCH	
Rim @ OF			
Operating Time		1.5 HOURS	
Truck No.		33	
Recorded By		PETERSON	Witnessed By BELL

315

RUN NO.

DIAMETER	$1\frac{1}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	$1\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	598
HOIST TRUCK NO.	33	SPACING	19 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A74	STRENGTH	6.94×10^6 N/S
LOGGING DATA			
GENERAL	GAMMA RAY	NEUTRON	

ZERO API C
S DIV L QB B PFB



ROKE

OIL ENTERPRISES LTD.

CALGARY, ALBERTA

K-FORDEN 73(3)A-1
GAMMA RAY NEUTRON LOG

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	R.H. 737
SEC		
TWP		
RGE	LOCATION	GREENHILLS
W		
M		
	FIELD	FORDING
	PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL	Elev. _____ Ft. Above Perm. Datum
Log Measured from	GROUND LEVEL	
Well Depth Measured from	GROUND LEVEL	
		Other Services:
		K.B. _____ CSG _____ G.I. _____

315

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	33	SERIAL NO.	598
INSTRUMENT TRUCK NO.		SPACING	19 INCH
TOOL SERIAL NO.	CCN27U4A74	TYPE	AmBe
		STRENGTH	6.94 x 10 ⁶ N/S

LOGGING DATA

GENERAL			GAMMA RAY					NEUTRON				
RUN NO.	DEPTH	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS		
NO.	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	
1	0	38	12	5	100	0 L	10	3	1000	10 L	80 CPS	
	38	306	12	5	100	0 L	10	3	500	0 L	40 CPS	

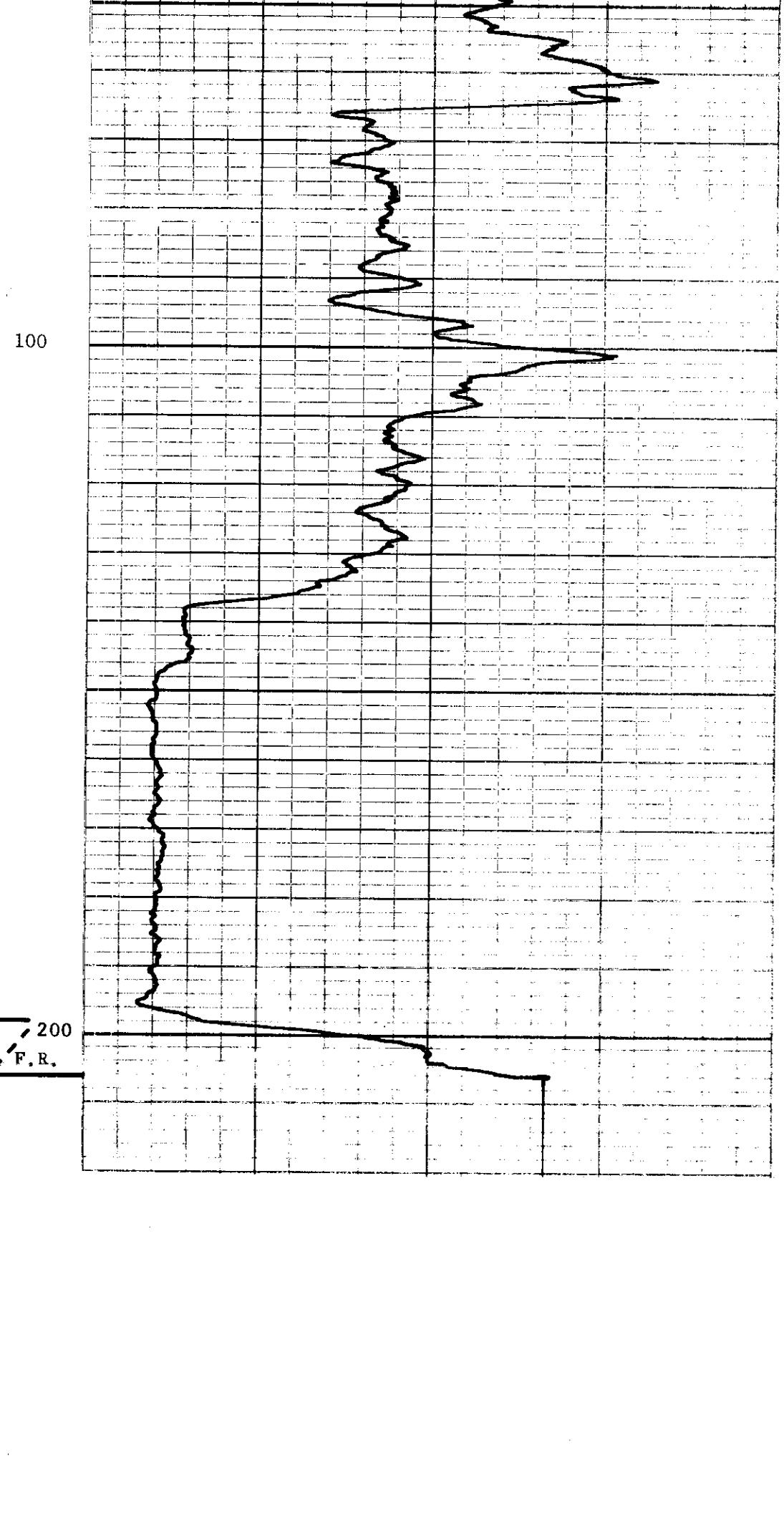
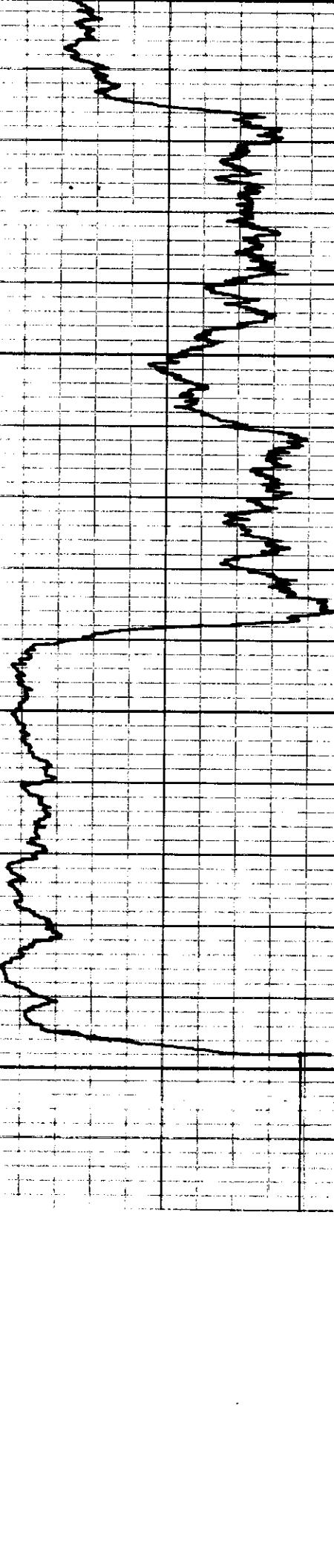
REMARKS

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES →
API

NEUTRON INCREASES →
CPS



Recorded By PETERSON

Witnessed By BELL

ROKE

L ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY FORBES COAL LIMITED

WELL RB-738

LOCATION GREENHILLS

FIELD FORGING

SCIENCE INDEX

THE JOURNAL OF

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JULY 1971

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Bach, *Hochzeit*

Using Rate

JOURNAL OF CLIMATE VOL. 17

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Truck No. 33

KANSAS
WICHITA

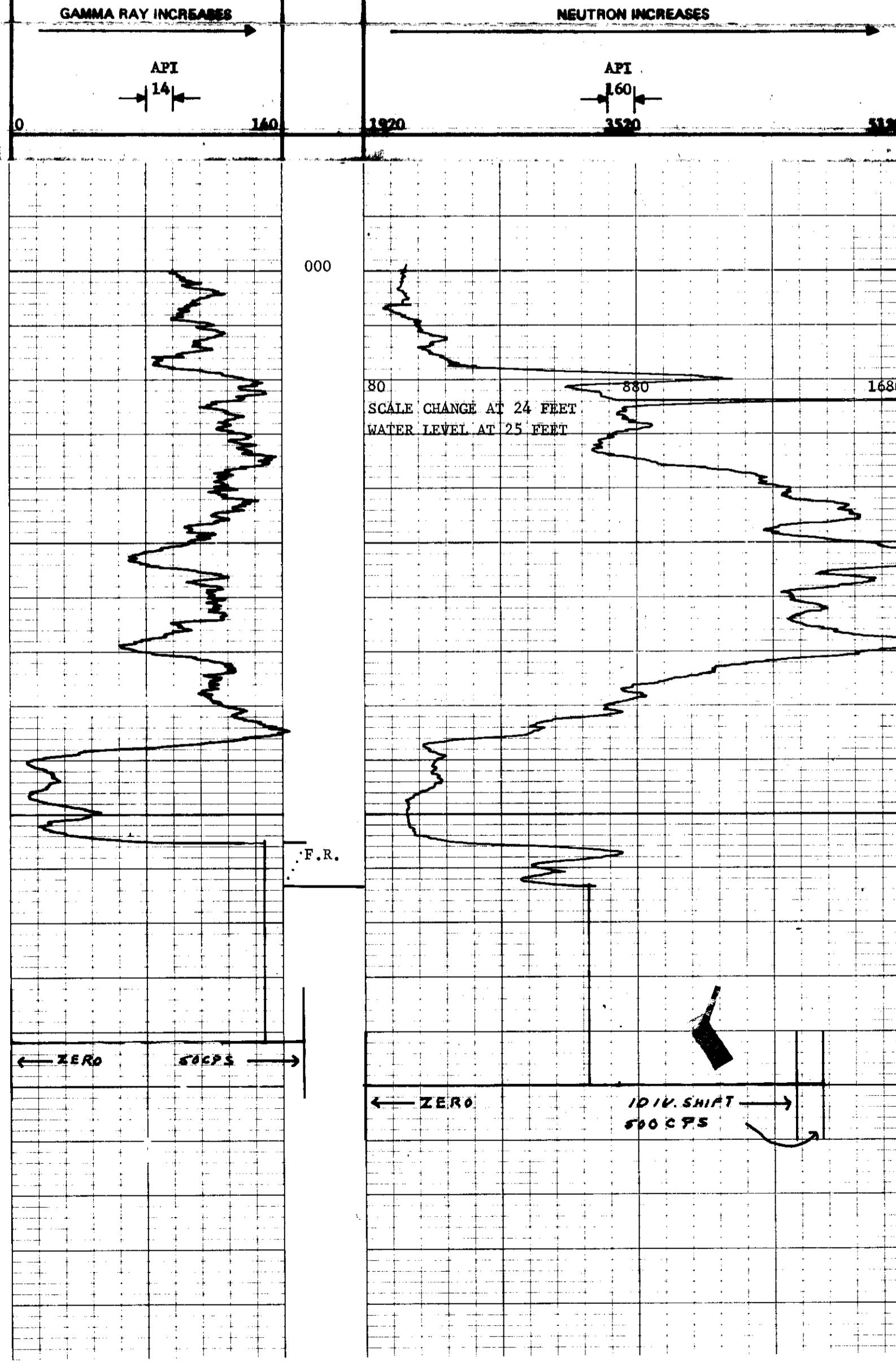
INCORPORATED
WITHIN BY

TOOL MOD

DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.56 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	598
HOIST TRUCK NO.	33	SPACING	17 INCH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	CGN27U4A-65	STRENGTH	3 CURIES

DIV. L OR R PER

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GAMMA RAY NEUTRON LOG

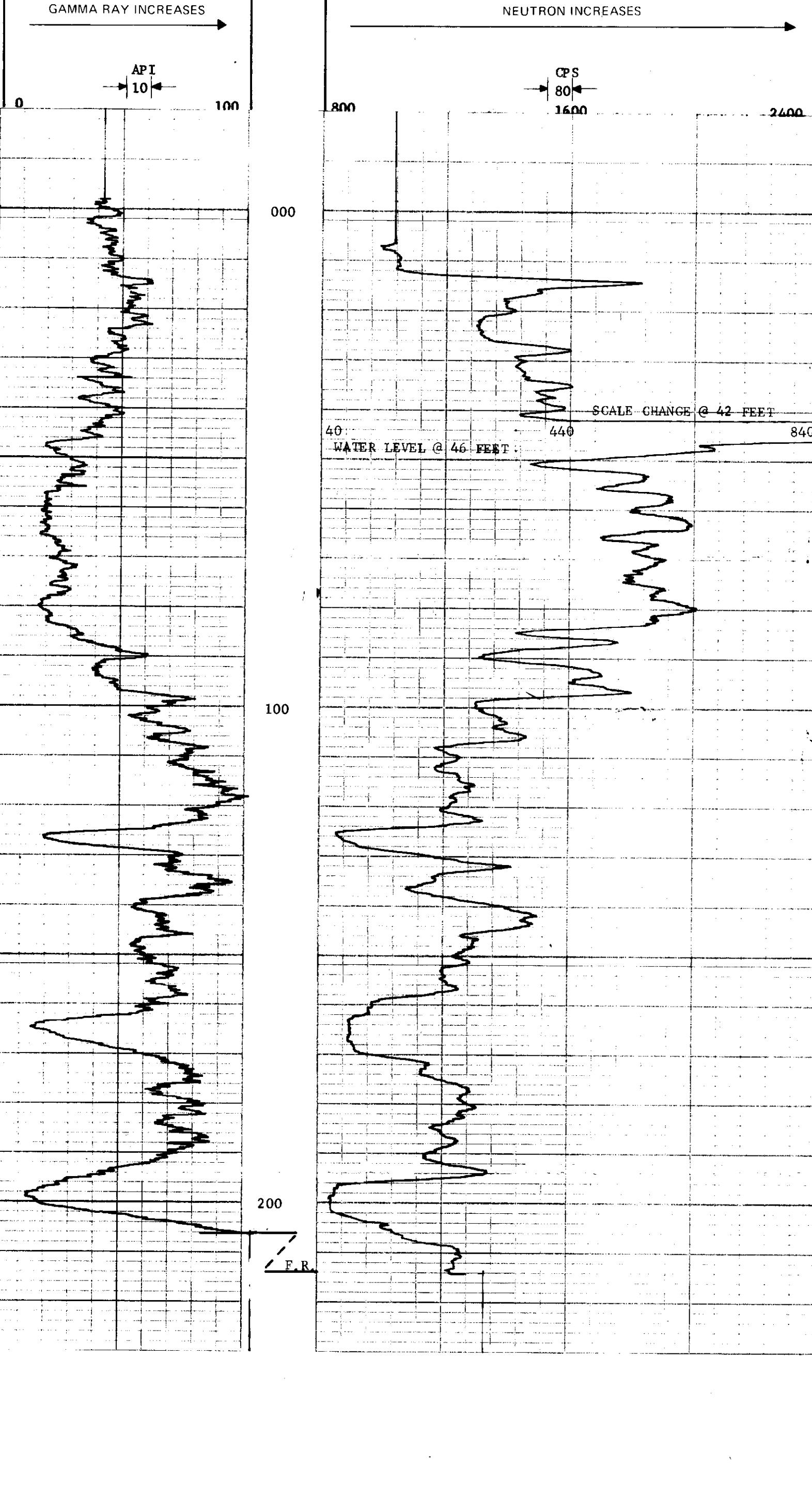
K-Forcing 73(3)P-1

FILE NO.	COMPANY FORDING COAL LIMITED		
LSD	WELL	RH 748	
SEC	TWP		
TWP	RGE		
M	LOCATION	GREENHILLS	
W	FIELD	FORDING	
	PROVINCE	BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Elev.	
Log Measured from	GROUND LEVEL	Ft. Above Perm. Datum	
Well Depth Measured from	GROUND LEVEL	K.B.	
	CSG		
	G.L.		
Run. No.	ONE		
Date	18 SEPT 73		
First Reading	214		
Last Reading	0		
Footage Logged	214		
Depth Reached	215		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	AIR / WATER		
Liquid Level	46 FEET		
Min. Diam.	4 7/8 INCH		
Rm @ 0° F			
Operating Time	2 HOURS		
Truck No.	30		
Recorded By	PETTERSON	Witnessed By	BILL

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	1 11/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.		SERIAL NO.	598
INSTRUMENT TRUCK NO.	30	SPACING	19 INCH
TOOL SERIAL NO.	CGN27U4A65	TYPE	AmBe
		STRENGTH	6.94x10 ⁶ N/S

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS	
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	42	12	5	100	OL	10	3	1000	10 L	80 CPS
	42	214	12	5	100	OL	10	3	500	1 L	40 CPS

REMARKS



ROKEK. FOREST & 73(3)A-1
GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. FORDING COAL LIMITED
LSD SEC TEMP RGE
WELL RH-749
LOCATION GREENHILLS

FIELD FORDING

Other Services: •
NIL

Elev.

CSG

G.L.

FILE NO. FORDING COAL LIMITED
LSD SEC TEMP RGE
WELL RH-749
LOCATION GREENHILLSPROVINCE BRITISH COLUMBIA
Permanent Datum GROUND LEVEL
Log Measured from GROUND LEVELElev.
Ft. Above Perm. DatumK.B.
Nil

G.L.

ROKEK-FORING 73(3)A-1
GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED
LSD	WELL	RH-750
SEC		
TWP		
RGE		
W	M	
LOCATION GREENHILLS		
FIELD FORDING		
PROVINCE BRITISH COLUMBIA		
GROUND LEVEL Elev. _____		
Log Measured from GROUND LEVEL Ft. Above Perm. Datum _____		
Well Depths Measured from GROUND LEVEL G.L. _____		
Other Services: NIL		
Run No.	ONE	
Date	8 AUGUST 1974	
First Reading	466	
Last Reading	0	
Footage Logged	466	
Depth Reached	470	
Casing Rotor		
Casing Driller		
Fluid Type	AIR/WATER	
Liquid Level	63 FEET	
Min. Diam.	4-7/8 INCH	
Rpm @ 0'F		
Operating Time	1 HOUR	
Truck No.	33	
Recorded By	JOHNSON	Witnessed By TAPLIN

315

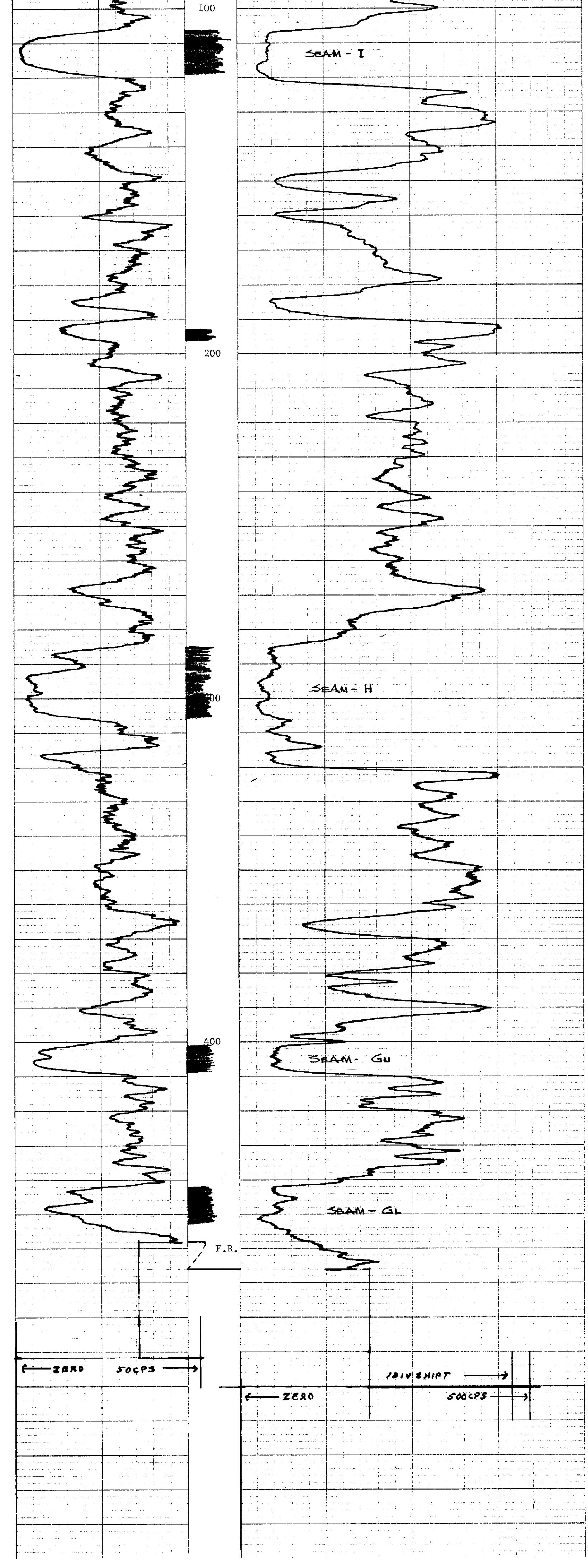
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/16	TOOL MODEL NO.	1 1/16
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18 INCH	TYPE	6 INCH
DISTANCE TO N. SOURCE	8.55 FT.	SOURCE MODEL NO.	MRC-N-SS-W
		SERIAL NO.	598
GENERAL		SPACING	19 INCH
HOIST TRUCK NO.	33	TYPE	AmBe
INSTRUMENT TRUCK NO.		STRENGTH	3 CURIES
TOOL SERIAL NO.	CGN2704A-65		

LOGGING DATA

GENERAL			GAMMA RAY						NEUTRON					
RUN NO.	DEPTHs	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS				
	FROM	TO	FT/MIN	SEC.	SETTINGS	PER LOG DIV.	SEC.	SETTINGS	PER LOG DIV.					
1	0	62	12	5	100	OL	14 API	3	1000	12L	160 API			
	63	466	12	5	100	OL	14 API	3	500	1L	80 API			

REMARKS



ROKE

LOG N

PRISES LTD.
CALGARY,
ALBERTA

FILE NO.	COMPANY	FORDING COAL LIMITED	
LSD SEC TWP RGE W M	WELL	RH-751	
	LOCATION	GREENHILLS	
	FIELD	FORDING	
PROVINCE		BRITISH COLUMBIA	
Permanent Datum	GROUND LEVEL	Elev.	
Log Measured from	GROUND LEVEL	Ft. Above Perm. Datum	
Well Depths Measured from		GROUND LEVEL	
Run. No.	ONE	Other Services:	
Date	8 AUGUST 1974	NIL	
First Reading	284	K.B.	
Last Reading	0	GSG	
Footage Logged	284	G.L.	
Depth Reached	285		
Depth Driller	292		
Casing Roke			
Casing Driller			
Fluid Type	AIR/WATER		
Liquid Level	65 FEET		
Min. Diam.	4-7/8 INCH		
Rm @ °F			
Operating Time	1 HOUR		
Truck No.	33		
Recorded By	JOHNSON	Witnessed By	TAPLIN

315

GAMMA RAY

GAMMA RAY	DEPTH	NEUTRON
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GAMMA RAY INCREASES →

NEUTRON INCREASES →

API

14 140 1920

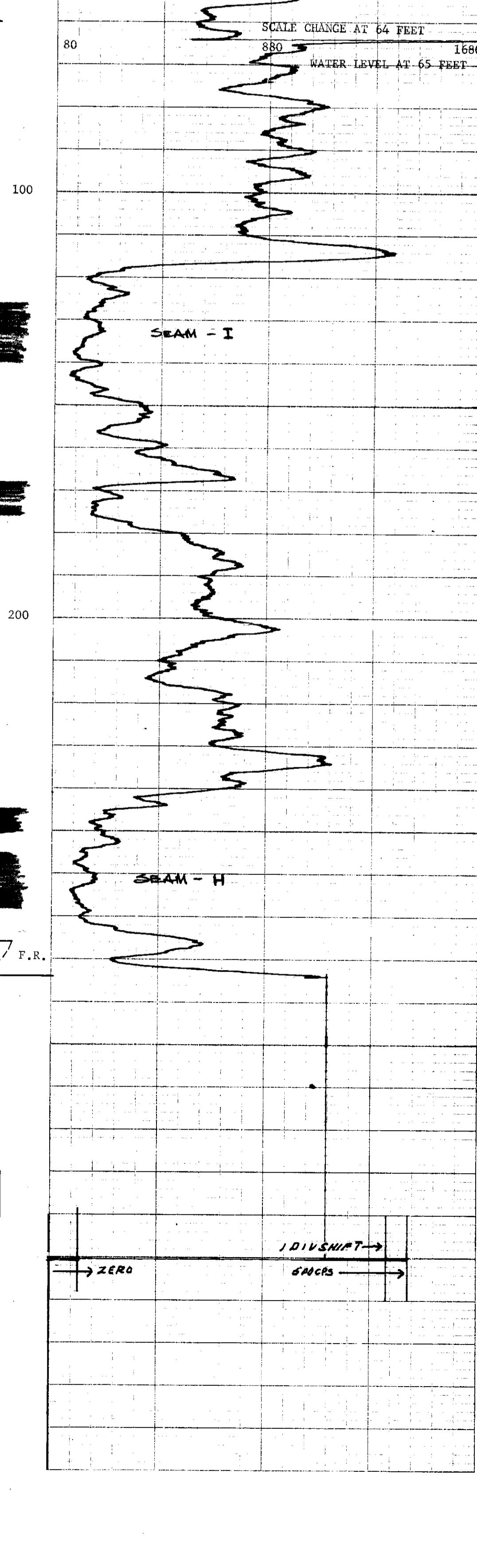
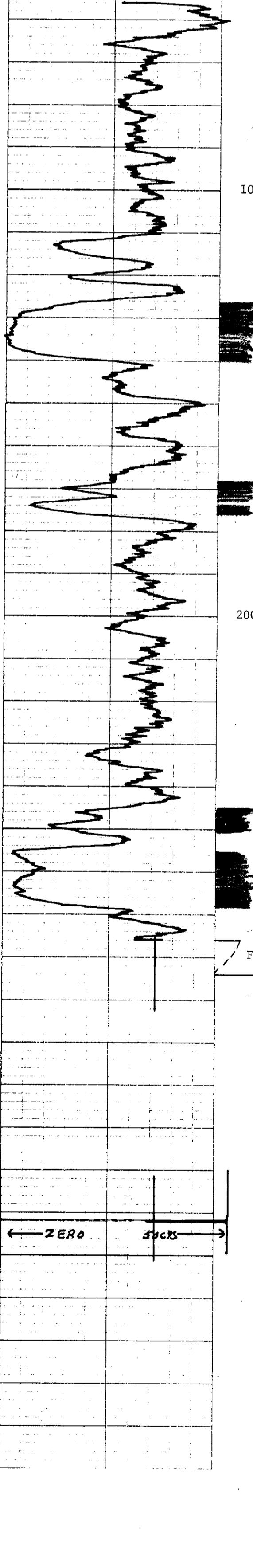
API

60 3520 5120

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The figure consists of two side-by-side line graphs. Both graphs have 'N' (Number of nodes) on the x-axis and 'E' (Number of edges) on the y-axis. The left graph has a logarithmic y-axis with labels 10⁰, 10¹, 10², and 10³. The right graph has a linear y-axis with labels 0, 10¹, and 2 × 10¹. In both graphs, there are two data series: one represented by a solid line and another by a dashed line. In the left graph, the solid line starts at approximately (10⁰, 10⁰) and ends at approximately (10^{1.5}, 10³), while the dashed line starts at approximately (10^{0.5}, 10^{0.5}) and ends at approximately (10^{1.5}, 10^{2.5}). In the right graph, the solid line starts at approximately (10⁰, 10⁰) and ends at approximately (10^{1.5}, 10^{1.5}), while the dashed line starts at approximately (10^{-0.5}, 10^{-0.5}) and ends at approximately (10^{1.5}, 2 × 10¹).

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ROKE

OIL ENTERPRISES LTD.

CALGARY,

ALBERTA

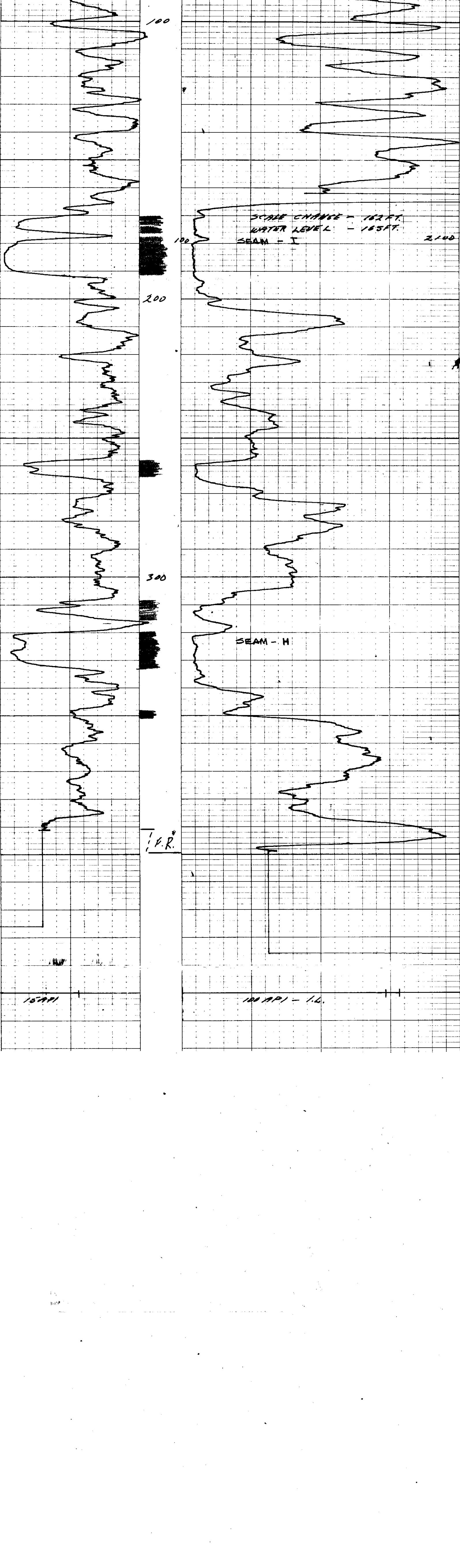
K-logging 73(3)A-1

LSD SEC	COMPANY <i>EXPRESS CABLE LIMITED.</i>	FILE NO. 315
TWP RGE	WELL <i>24 - 252.</i>	
M	LOCATION <i>CYPRESS HILLS.</i>	
	FIELD <i>FORBES.</i>	
PROVINCE <i>BRITISH COLUMBIA.</i>		
Permit Datum <i>11 SEP 1974.</i>	Elev. <i>1000 ft.</i>	K.B.
Line Measured from <i>GARIBOLD Ledge.</i>	Fl. Above Perm. Datum	CSG
Well Depths Measured from <i>GARIBOLD Ledge.</i>	G.L.	
Other Services:		

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	<i>006</i>	RUN NO.	<i>006</i>
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	<i>1 1/16</i>	TOOL MODEL NO.	<i>1 1/16</i>
DETECTOR MODEL NO.		DIAMETER	
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	<i>8.55 FT.</i>	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	<i>30</i>
HOIST TRUCK NO.		SPACING	<i>17 INCH</i>
INSTRUMENT TRUCK NO.	<i>35</i>	TYPE	AmBe
TOOL SERIAL NO.	<i>177</i>	STRENGTH	20 CURIE/TONNES

LOGGING DATA														
GENERAL		GAMMA RAY		NEUTRON										
RUN NO.	DEPTH(S)	SPEED	T.C.	SENS	DEPTH(S)									
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	API G. R. UNITS	T.C.	SENS	DEPTH(S)	SETTINGS	DIV. L OR R	API N. UNITS	
1	<i>000</i>	<i>162</i>	<i>12</i>	<i>3</i>	<i>500</i>	<i>0.1.</i>	<i>15</i>	<i>3</i>	<i>1000</i>	<i>102</i>	<i>100</i>			
	<i>162</i>	<i>399</i>	<i>12</i>	<i>3</i>	<i>500</i>	<i>0.1.</i>	<i>15</i>	<i>3</i>	<i>1000</i>	<i>14</i>	<i>100</i>			

REMARKS



ROKE

GAMMA RAY NEUTRON LOG

K-Force 73/3a-1

OIL ENTERPRISES LTD. CALGARY, ALBERTA

LSD	FILE NO.	COMPANY	FORDING COAL LIMITED
SEC			
TWP	WELL	RH 222 500	
RGE	LOCATION	HENERETTA	
M	FIELD	FORDING	

3/5

EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO.	ONE		RUN NO.	ONE	
TOOL MODEL NO.			LOG TYPE	NEUTRON/NEUTRON	
DIAMETER	1 11/16		TOOL MODEL NO.		1 11/16
DETECTOR MODEL NO.			DIAMETER		
TYPE	GEIGER		DETECTOR MODEL NO.		
LENGTH	18 INCH		TYPE	PROPORTIONAL	
DISTANCE TO N. SOURCE	8.55 FT.		LENGTH	6 INCH	
	GENERAL		SOURCE MODEL NO.	MRC-N-SS-W	
HOIST TRUCK NO.	30		SERIAL NO.	50	
INSTRUMENT TRUCK NO.			SPACING	19 INCH	
TOOL SERIAL NO.	CGN27U4A 65		TYPE	AmBe	
			STRENGTH	3 CURIE	

LOGGING DATA

RUN NO.	GENERAL			GAMMA RAY			NEUTRON					
	DEPTH	FROM	TO	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T.C.	SENS	ZERO	API N. UNITS
1	0	160	11	5	100	0L	10 API	3	1000	0L	80 CPS	
	160	543	111	5	100	0L	10 API	3	500	0L	40 CPS	

REMARKS

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES →

NEUTRON INCREASES →

API

10

CPS

80

0 100 200 300 400 500

DEPTH

0 100 200 300 400 500

K-FEDINC 73(3)A-1
ROKE

OIL ENTERPRISES LTD.
CALGARY, ALBERTA

FILE NO.	COMPANY	FOLDING OIL CO. LIMITED
LSD	SEC	RH 749 200
TWP	WELL	
RGE	LOCATION	HENERETTA
W.	M.	
FIELD		
FOLDING		
Other Services:		
PROVINCE	BRITISH COLUMBIA	GRN
Permanent Datum	GROUND LEVEL	Ft. Above Perm. Datum
Log Measured from	GROUND LEVEL	
Well Depths Measured from	GROUND LEVEL	
Run No.	ONE	
Date	30 JULY 1973	
First Reading	385	
Last Reading	0	
Footage Logged	160	
Depth Reached		
Depth Drill		
Casing Rroke		
Casing Driller		
Fluid Type	AIR / WATER	
Liquid Level	162 FT	
Min. Diam.	4 1/2 INCH	
Operating Time	2 1/2 HOURS	
Truck No.	30	
Recorded By	JOHNSON	Witnessed By
	BILL	

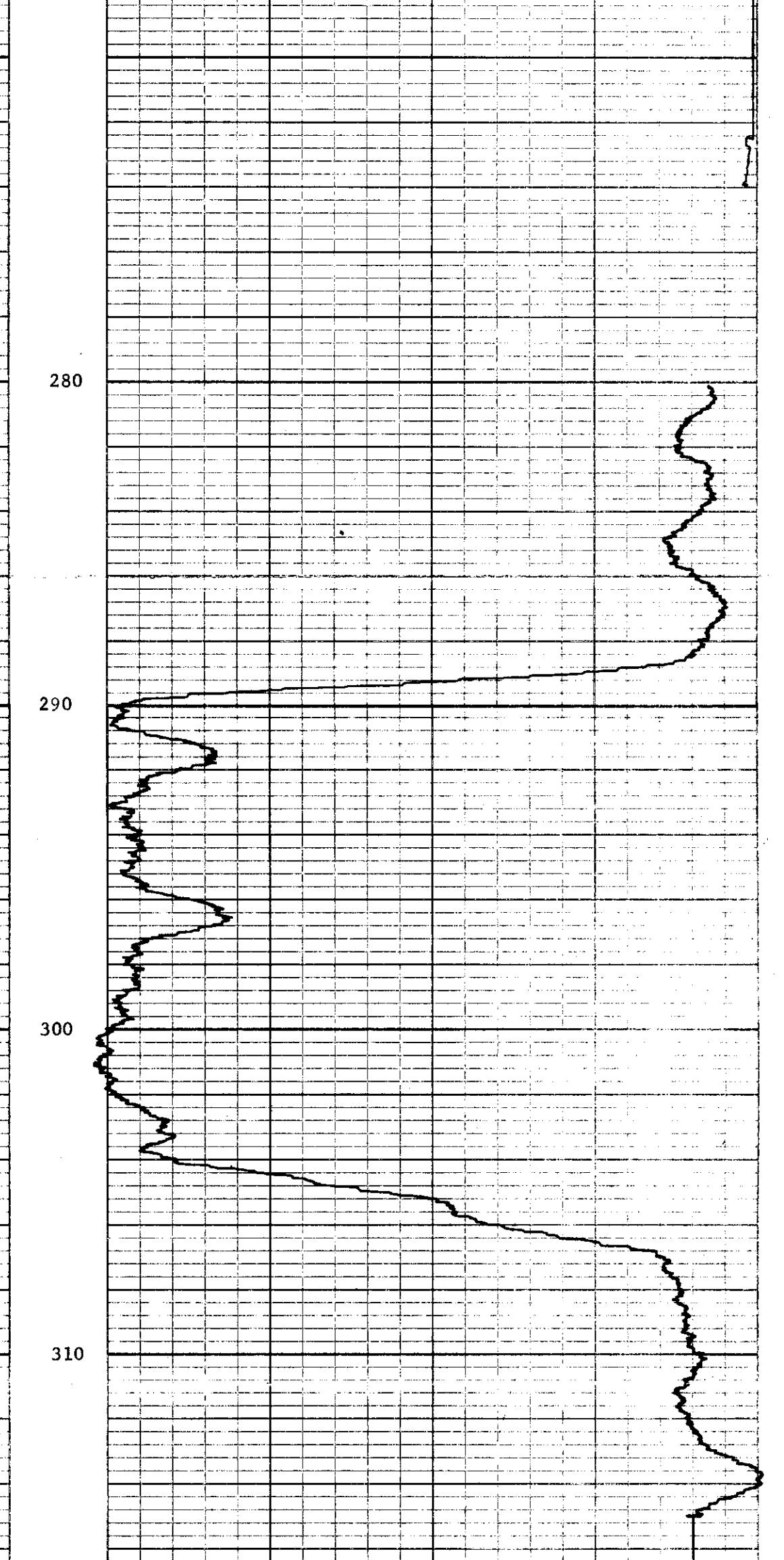
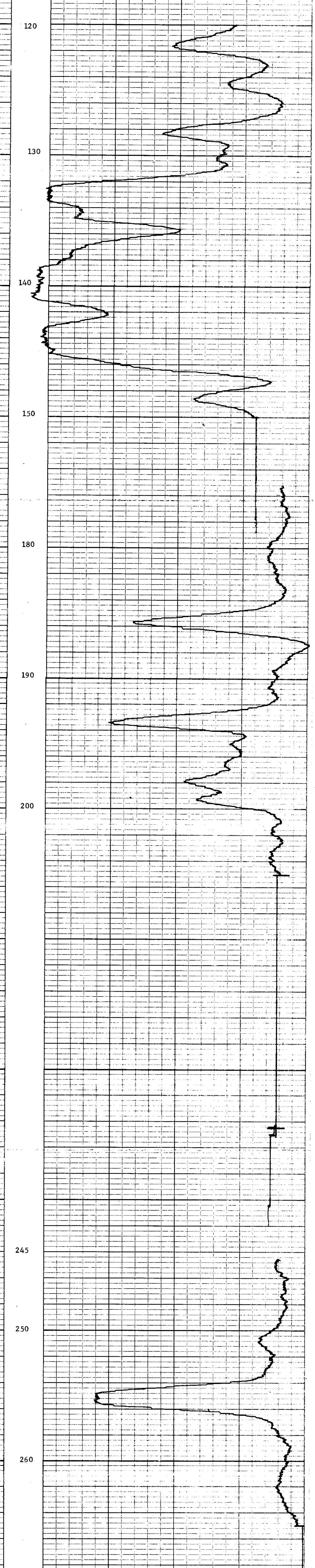
LOGGING DATA

RUN NO.	DEPTHS FROM	TO	SPEED FT/MIN	T.C. SEC	SENS SETTINGS	ZERO DIV L OR R	CPS/DIV.
1	0	385	5	3	1000	4.93 R	

REMARKS

CALIPER

HOLE DIAMETER (INCHES)



DEPTH DRILL

CASING RROKE

CASING DRILLER

FLUID TYPE

Liquid Level

Min. Diam.

OPM @ QP

OPERATING TIME

TRUCK NO.

RECORDED BY

WITNESSED BY

ROKE

ENTERPRISES LTD. CALGARY, ALBERTA

NEUTRON LOG

FILE NO.		COMPANY	FORDING COAL LIMITED
LSD		WELL	RH 750 201
SEC		PROVINCE	BRITISH COLUMBIA
TWP		GROUND LEVEL	Elev.
RGE		GROUND LEVEL	Ft. Above Perm. Datum
W	M	GROUND LEVEL	K.B.
			CSG
			G.L.
Run No.	ONE	Other Services:	
Date	29 JULY 1973	DENS	
First Reading	310		
Last Reading	0		
Footage Logged	310		
Depth Reached	311		
Depth Drilled			
Casing Rock	12 FT		
Casing Drill Bit			
Fluid Type	WATER		
Liquid Level	23 FT		
Min. Diam.	4 1/2 INCH		
Rm. @ Q.F.			
Operating Time	1 1/2 HOURS		
Truck No.	30		
Recorded By	JOHNSON	Witnessed By	BELL

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 11/16	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 11/16
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL

SOURCE M
SERIAL

HOIST TRUCK NO.	30	SPACING	19 INCH								
INSTRUMENT TRUCK NO.		TYPE	AmBe								
TOOL SERIAL NO.	CCN27U4A 65	STRENGTH	3 CURRIE								
LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
RUN NO	DEPTHs		SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS
	FROM	TO	FT/MIN	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.
1	0	23	11	5	100	OL	10 API	3	1000	OL	80 CPS
	23	310	11	5	100	OL	10 API	3	500	OL	40 CPS
REMARKS											

GAMMA RAY INCREASES

NEUTRON INCREASES

0 100

0 1600

API CPS

10 80

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