

B+

OIL AND GAS LEASE



Reorder No.
09-134

KANSAS BLUE PRINT CO. INC.
316-264-9344 • P.O. Box 793 • Wichita, KS 67201-0793

AGREEMENT, Made and entered into this Nineteenth (19th) day of August, 192004
by and between Jannita Gilbreath

Edward E. Birk and Brian L. Birk

Party of the first part, hereinafter called lessor (whether one or more) and
Party of the second part, hereinafter called lessee.

WITNESSETH, That the said lessor, for and in consideration of one dollar and other valuable consideration cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of lessee to be paid, kept and performed, has granted, demised, leased and let and by these presents does grant, demise, lease and let unto said lessee, for the sole and only purpose of mining and operating for oil and gas, and laying pipe lines, and building tanks, power stations and structures thereon to produce, save and take care of said products, all that certain tract of land situated in the County of Coffey State of Kansas, described as follows, to wit:

The Southeast Quarter (SE4)

of Section 8 Township 23 Range 15 and containing 160 acres more or less.

It is agreed that this lease shall remain in full force for a term of _____ years from this date, and as long thereafter as oil or gas, or either of them, is produced from said land by the lessee.

In consideration of the premises the said lessee covenants and agrees:

1st. To deliver to the credit of lessor, free of cost, in the pipe line to which lessee may connect his wells, the equal one-eighth (1/8) part of all oil produced and saved from the leased premises.

2nd. To pay lessor for gas from each well where gas only is found the equal one-eighth (1/8) of the gross proceeds at the prevailing market rate, (but, as to gas sold by lessee, in no event more than one-eighth (1/8) of the proceeds received by lessee from such sales), for all gas used off the premises, said payments to be made per division order

and lessor to have gas free of cost from any such well for all stoves and all inside lights in the principal dwelling house on said land during the same time by making his own connections with the well at his own risk and expense.

3rd. To pay lessor for gas produced from any oil well and used off the premises or in the manufacture of gasoline or any other product a royalty of one-eighth (1/8) of the market value, at the mouth of the well, (but, as to gas sold by lessee, in no event more than one-eighth (1/8) of the proceeds received by lessee from such sales), payable monthly at the prevailing market price.

If no well be commenced on said land on or before the _____ day of _____, 19____, this lease shall terminate as to both parties, unless the lessee on or before that date shall pay or tender to the lessor, or to the lessor's credit in The _____ Bank at _____

or its successors, which shall continue as the depository regardless of changes in the ownership of said land, the sum of _____ DOLLARS, which shall operate as a rental and cover the privilege of deferring the commencement of a well for _____ months from said date. In like manner and upon like payments or tenders the commencement of a well may be further deferred for like periods of the same number of months successively. All such payments or tenders of rentals may be made by check or draft of lessee or any assignee thereof, mailed or delivered on or before the rental paying date, either direct to lessor or assigns or to said depository bank. And it is understood and agreed that the consideration first recited herein, the down payment, covers not only the privileges granted to the date when said first rental is payable as aforesaid, but also the lessee's option of extending that period as aforesaid, and any and all other rights conferred.

Should the first well drilled on the above described land be a dry hole, then, and in that event, if a second well is not commenced on said land within twelve months from the expiration of the last rental period for which rental has been paid, this lease shall terminate as to both parties, unless the lessee on or before the expiration of said twelve months shall resume the payment of rentals in the same amount and in the same manner as hereinbefore provided. And it is agreed that upon the resumption of the payment of rentals, as above provided, that the last preceding paragraph hereof, governing the payment of rentals and the effect thereof, shall continue in force just as though there had been no interruption in the rental payments.

If said lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the lessor only in the proportion which his interest bears to the whole and undivided fee.

Lessee shall have the right to use, free of cost, gas, oil, and water produced on said land for its operation thereon, except water from wells of lessor.

When requested by lessor, lessee shall bury his pipe lines below plow depth.

No well shall be drilled nearer than 200 feet to the house or barn now on said premises, without the written consent of the lessor.

Lessee shall pay for damages caused by its operations to growing crops on said land.

Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.

If the lessee shall commence to drill a well within the term of this lease or any extension thereof, the lessee shall have the right to drill such well to completion with reasonable diligence and dispatch, and if oil or gas, or either of them, be found in paying quantities, this lease shall continue and be in force with the like effect as if such well had been completed within the term of years herein first mentioned.

If the estate of either party hereto is assigned, and the privilege of assigning in whole or in part is expressly allowed, the covenants hereof shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land or assignment of rentals or royalties shall be binding on the lessee until after the lessee has been furnished with a written transfer or assignment or a true copy thereof; and it is hereby agreed in the event this lease shall be assigned as to a part or as to parts of the above described lands and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part or the rents due from him or them on an acreage basis, such default shall not operate to defeat or affect this lease in so far as it covers a part or parts of said lands upon which the said lessee or any assignee thereof shall make due payments of said rentals. If the leased premises are now or hereafter owned in severalty or in separate tracts, the premises, nevertheless, may be developed and operated as an entirety, and the royalties shall be paid to each separate owner in the proportion that the acreage owned by him bears to the entire leased area. There shall be no obligation on the part of the lessee to offset wells on separate tracts into which the land covered by this lease may hereafter be divided by sale, devise, or otherwise, or to furnish separate measuring or receiving tanks for the oil produced from such separate tracts.

Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the lessee shall have the right at any time to redeem for lessor by payment, any mortgages, taxes or other liens on the above described lands, in the event of default of payment by lessor, and be subrogated to the rights of the holder thereof.

Whereof witness our hands as of the day and year first above written,

Witness to the mark:

Jannita Gilbreath (SEAL)
Jannita Gilbreath (SEAL)

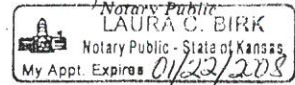
(SEAL)

COUNTY OF Coffey

ACKNOWLEDGMENT FOR INDIVIDUAL (KsOkCoNe)

The foregoing instrument was acknowledged before me this 20th day of August, 192004
by Jannita L. Gilbreath and

My commission expires Jan. 22, 2008



STATE OF

COUNTY OF

ACKNOWLEDGMENT FOR INDIVIDUAL (KsOkCoNe)

The foregoing instrument was acknowledged before me this day of 19
by and

My commission expires

Notary Public

STATE OF

COUNTY OF

ACKNOWLEDGMENT FOR INDIVIDUAL (KsOkCoNe)

The foregoing instrument was acknowledged before me this day of 19
by and

My commission expires

Notary Public

STATE OF

COUNTY OF

ACKNOWLEDGMENT FOR INDIVIDUAL (KsOkCoNe)

The foregoing instrument was acknowledged before me this day of 19
by and

My commission expires

Notary Public

No. OIL AND GAS LEASE

FROM P R I

TO

Date 19

Section Twp. Rge.

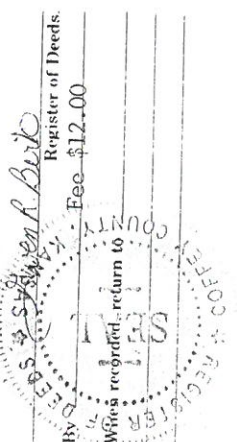
No. of Acres Term

County

STATE OF Kansas

County Coffey

This instrument was filed for record on the 22
day of October 2004
at 12:30 o'clock P. M., and duly recorded
in Book 39-08G Page 50-51 of
the records of this office.



STATE OF

COUNTY OF

ACKNOWLEDGMENT FOR CORPORATION (KsOkCoNe)

The foregoing instrument was acknowledged before me this day of 19
by of a

corporation, on behalf of the corporation.

My commission expires

Notary Public

BRUNSON-SPINES - MAGNUM

#1 F. RICH

8-23-15E
NE SW SE

615 4TH FINANCIAL CENTER, WICHITA, KS.

CONTR ALCO DRLG. CO.

CTY COFFEY

GEOL TOM WRIGHT

FIELD EVANS NORTH EXT

E 1134 GL C41/17/75^{CARD} ISSUED 3/18/76

P P 12 BOPD + 20 BWPD

MISS 1632-34

API 15-031-20,519

LOG	TOPS	DEPTH	DATUM
HEEB		90	+1044
DOUG		137	+ 997
LANS		470	+ 664
KC		782	+ 352
BKC		894	+ 240
ALTA		1074	+ 60
PAWN		1145	- 11
CHER		1223	- 89
MISS		1594	- 460
MISS OS		1718	- 584
CHOTEAU		1816	- 682
KIND SH		1944	- 810
B CHATT-VL		1993	- 859
RTD		1997	- 863
LTD		2040	- 906

INDEPENDENT OIL & GAS SERVICE
WICHITA, KANSAS

7" 61/50SX, 4 1/2" 2037

DST (1) 1221-61/30-30-30-30, 2' ocm,

SIP 20-20#, FP 20-20#

DST (2) 1616-34/30-30-30-30, 30' GIP,

180' OIL & GCM, (35% OIL), 30' so&

GCM (24% O), SIP 470-460#, FP 20-

52#, 83-83#

MICT - PF 5/1632-34, A 3500, REC LD,

POP

Phone HE 1-9308

011 WELL SERVICES

Box 260
Wichita, Kansas 67202

CORNISH

BRUNSON SPINES & MAGNUM LAND CORP.

COMPANY

RELEASED

WELL

NO SMALL SCALE

FIELD

WILDCAT

STATE KANSAS

COUNTY

COFFEY

OTHER SERVICES:

LOCATION: NE 1/4 SW 1/4 SE 1/4

SEC 8 TWP 23S RGE 15E

PERMANENT DATUM:

G. L.

ELEV. 1134'

ELEV. K.B.

D.F. 1134'

LOG MEASURED FROM:

G. L.

FT. ABOVE PERM. DATUM

G. L.

DRIILLING MEASURED FROM:

G. L.

DATE

12-16-75

12-16-75

12-16-75

RUN NO.

1 NW

1 NW

1 NW

TYPE LOG

GAMMA RAY

NEUTRON

PERFORATE

DEPTH-DRILLER

1998.1'

1998.1'

1997.1'

BOTTOM LOGGED INTERVAL

1989.1'

1997.1'

10'

TOP LOGGED INTERVAL

2'

10'

WTR.

TYPE FLUID IN HOLE

WTR.

WTR.

WTR.

SALINITY, PPM CL.

122'

122'

122'

DENSITY

122'

122'

122'

MAX. REC. TEMP., DEG. F.

122'

122'

122'

OPERATING RIG TIME

122'

122'

122'

RECORDED BY

CORNISH

CORNISH

CORNISH

WITNESSED BY

BRUNSON

BRUNSON

BRUNSON

RUN

BORE HOLE RECORD

TO

TO

SIZE

4 1/2"

WGT.

0

FROM

TO

FROM

TO

DATE

12-16-75

12-16-75

12-16-75

TIME

12:00

12:00

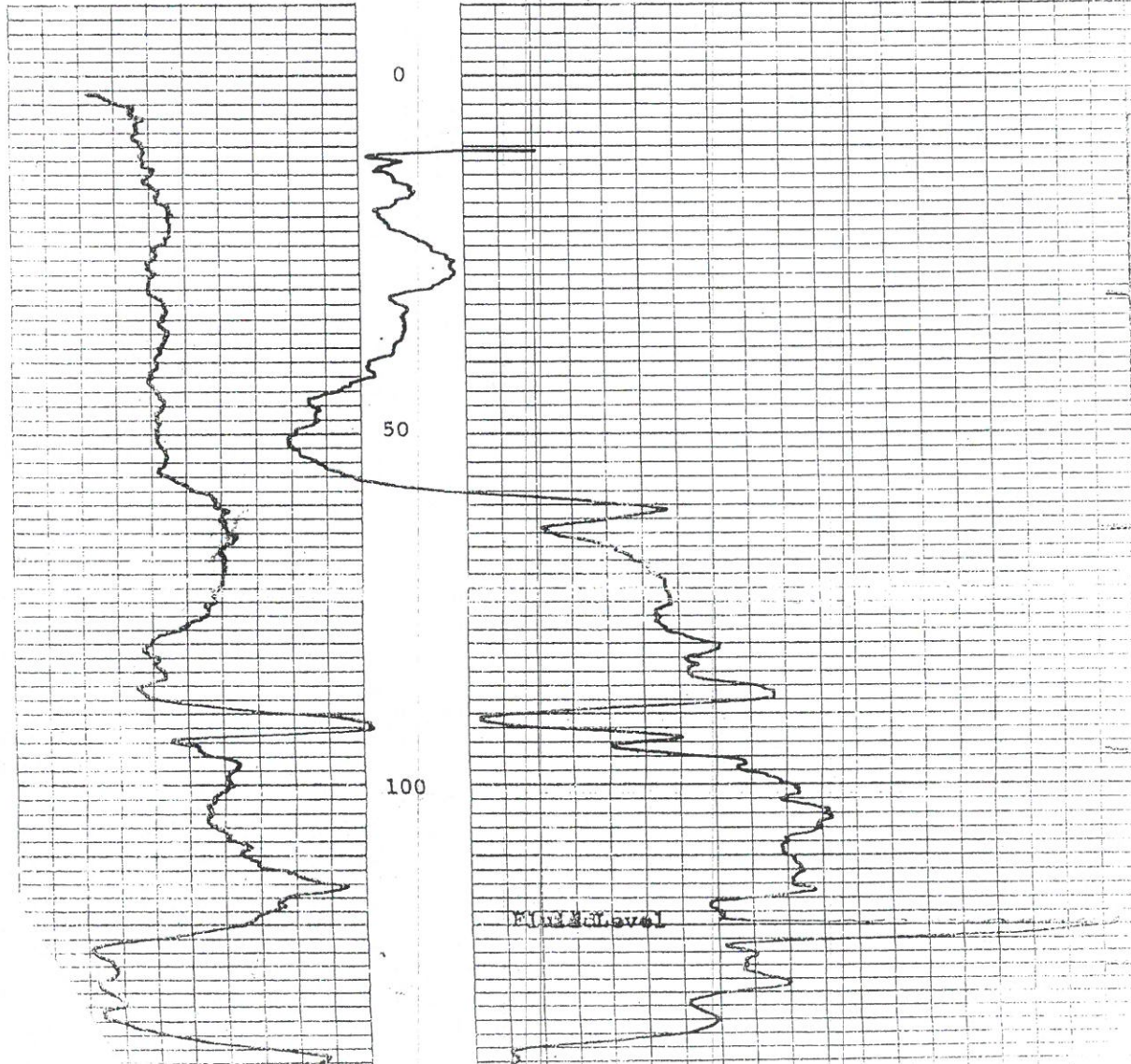
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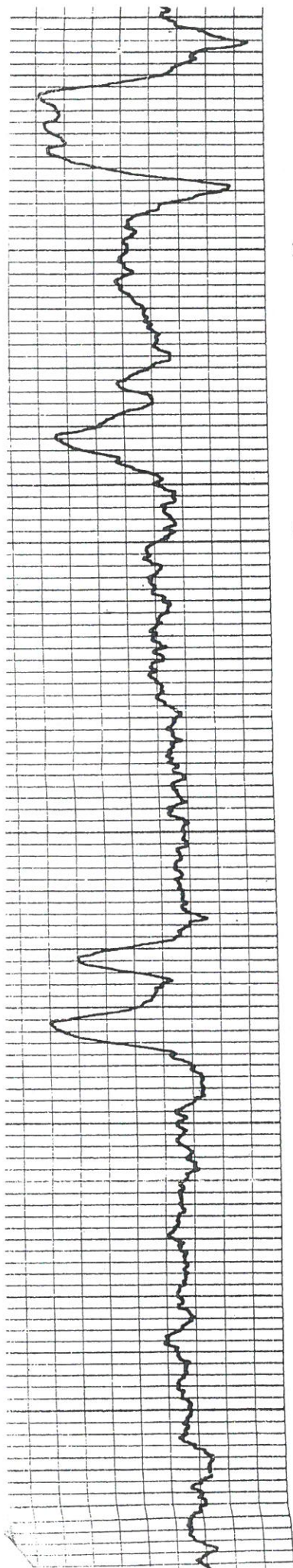
WELL NO.

1 NW

1 NW

1 NW





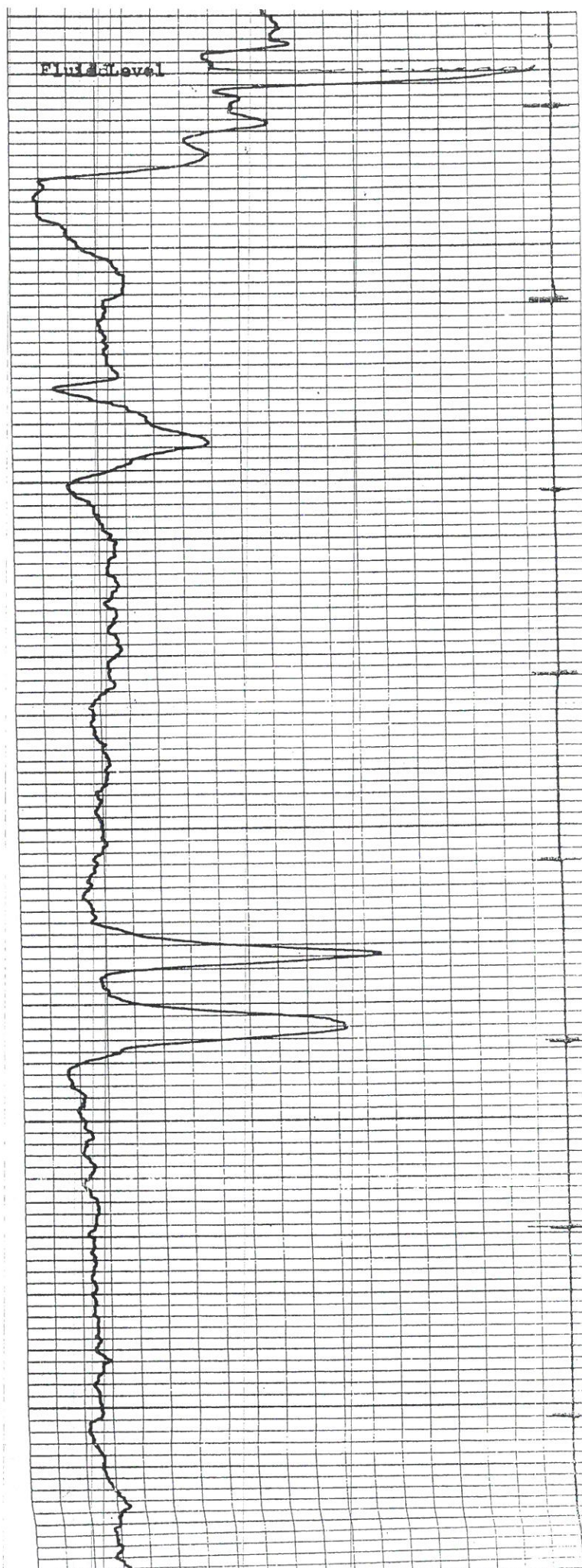
150

200

250

300

350



Fluid Level

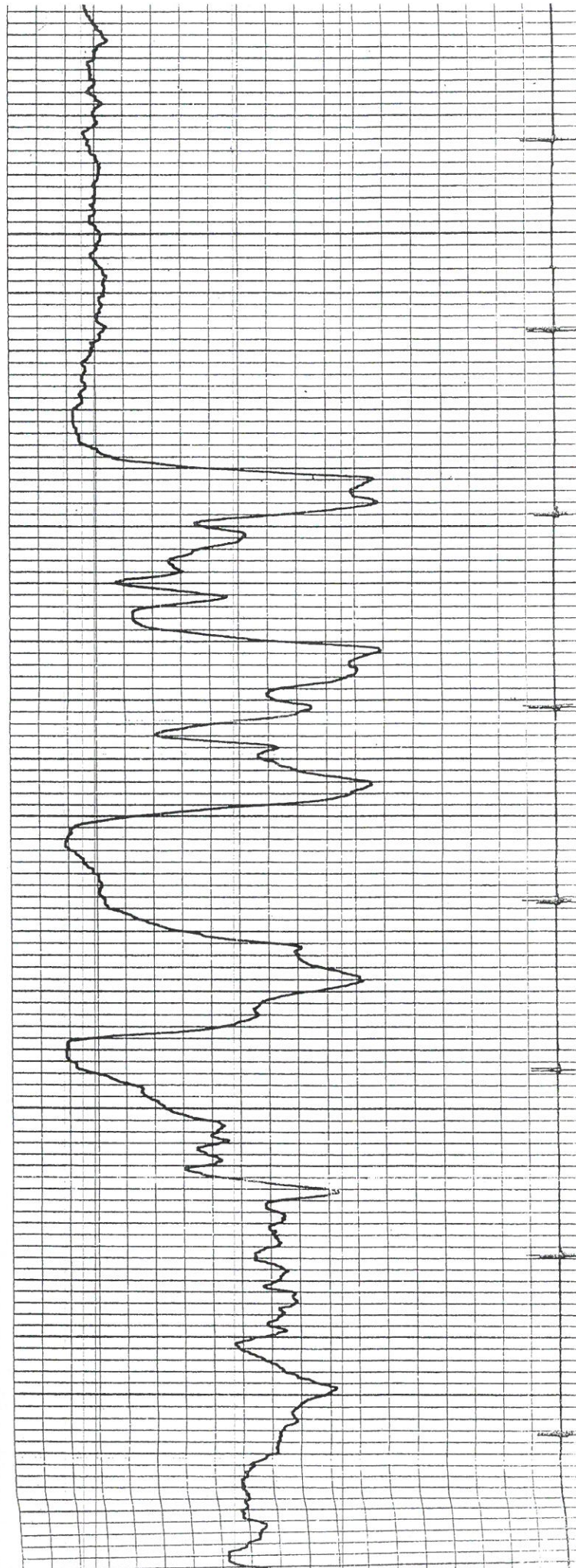
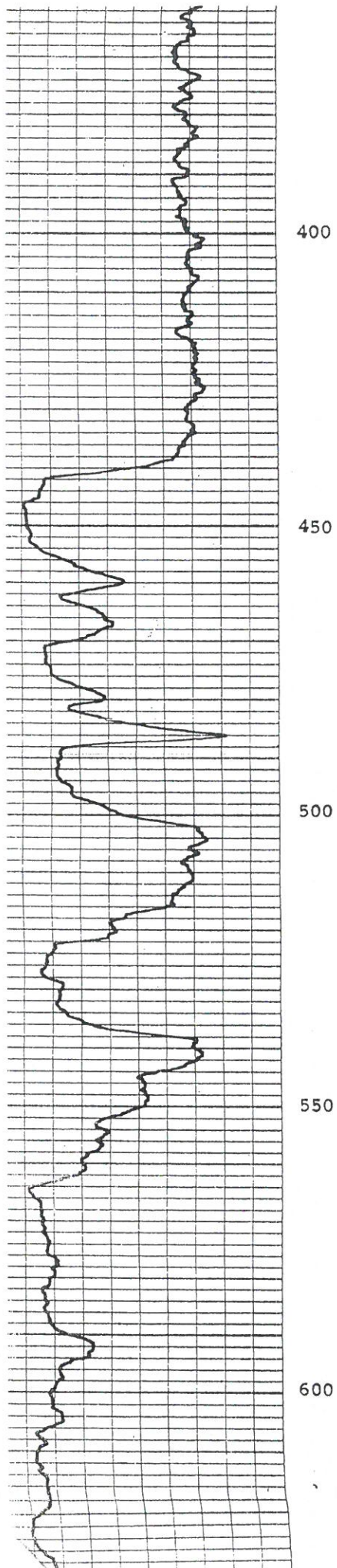
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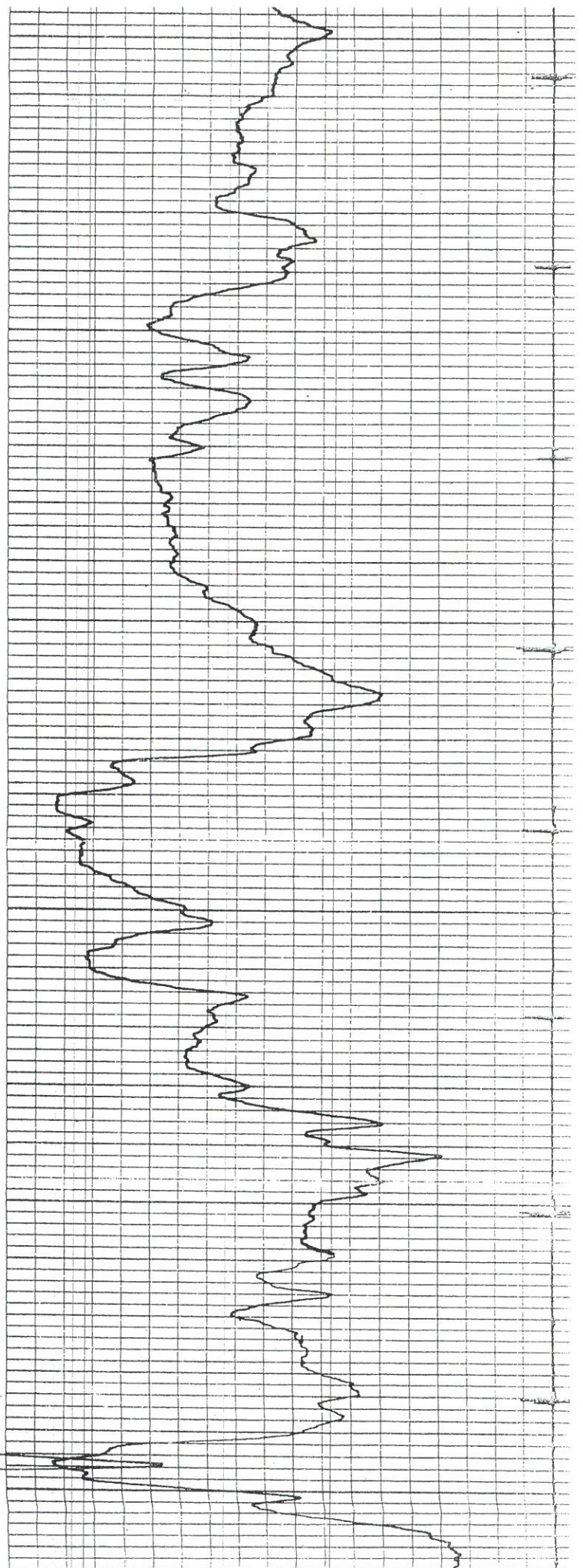
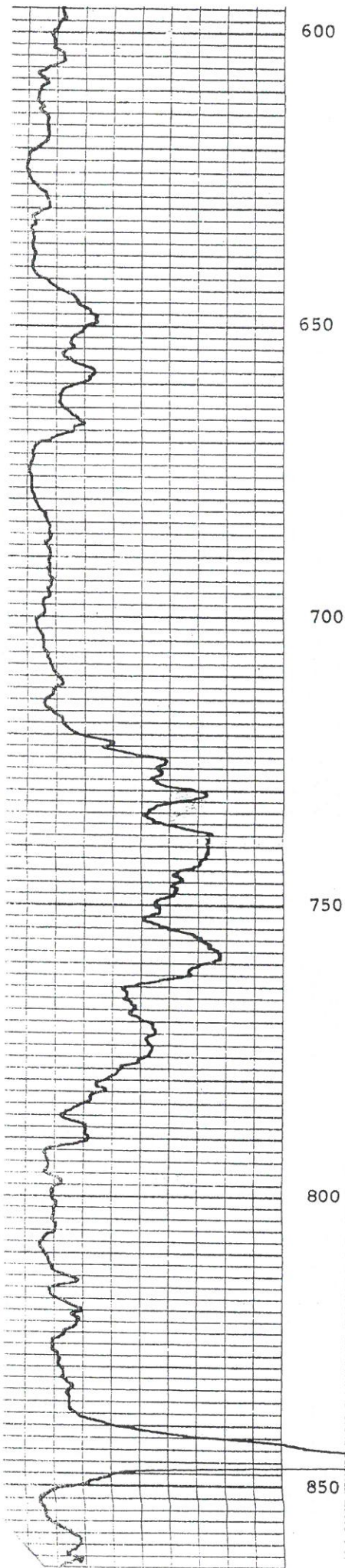
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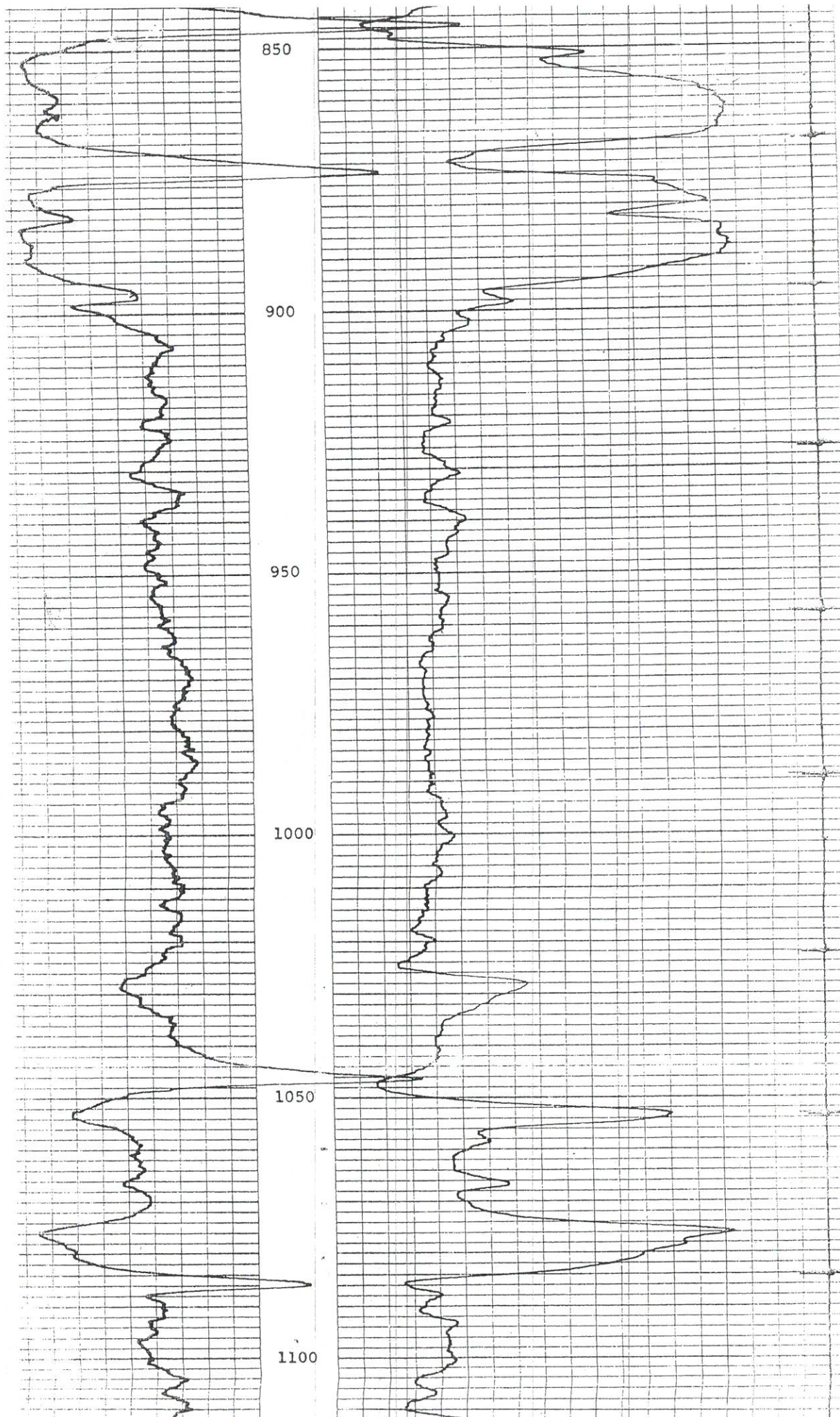
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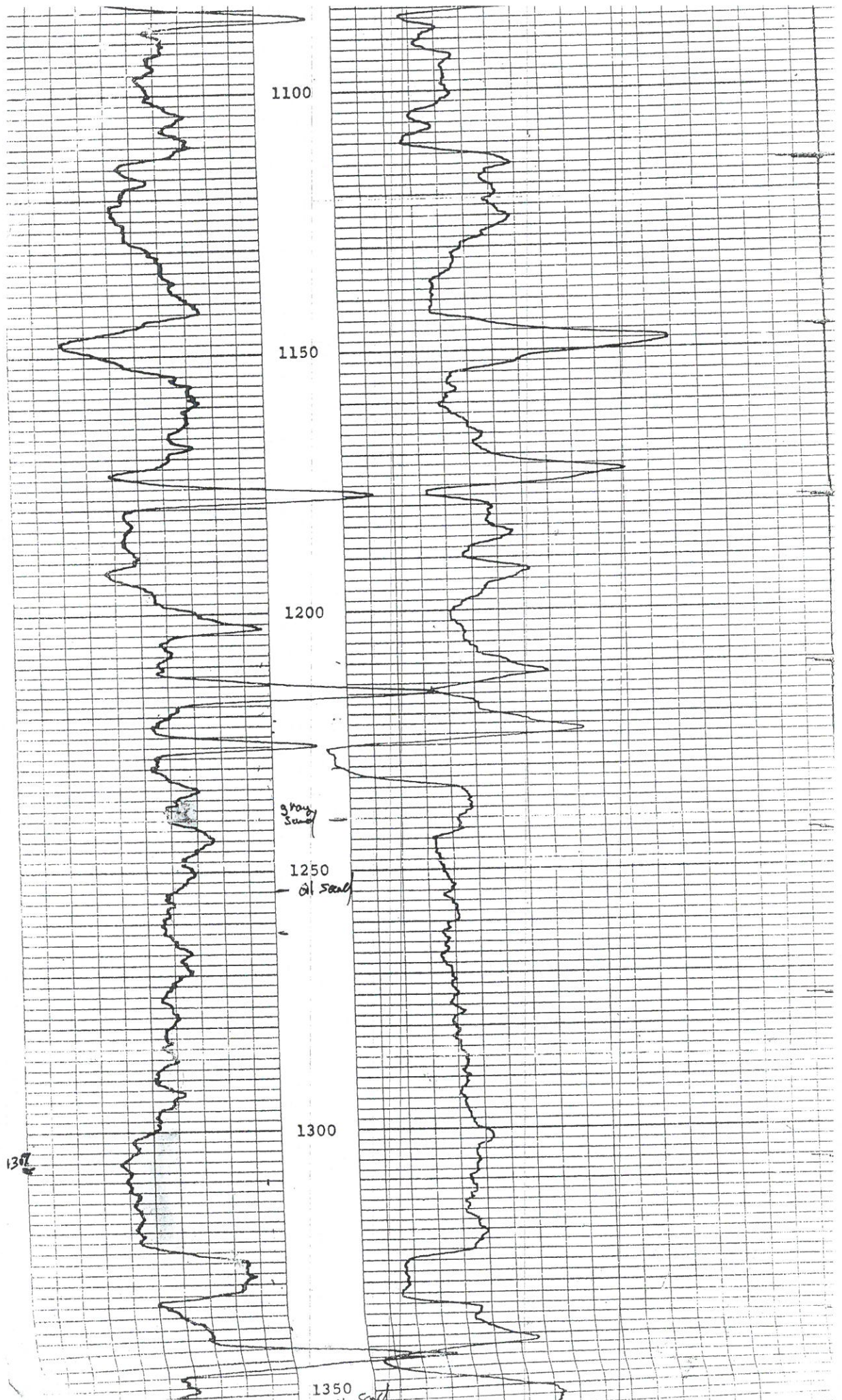
300

350









1100

1150

1200

gray sand

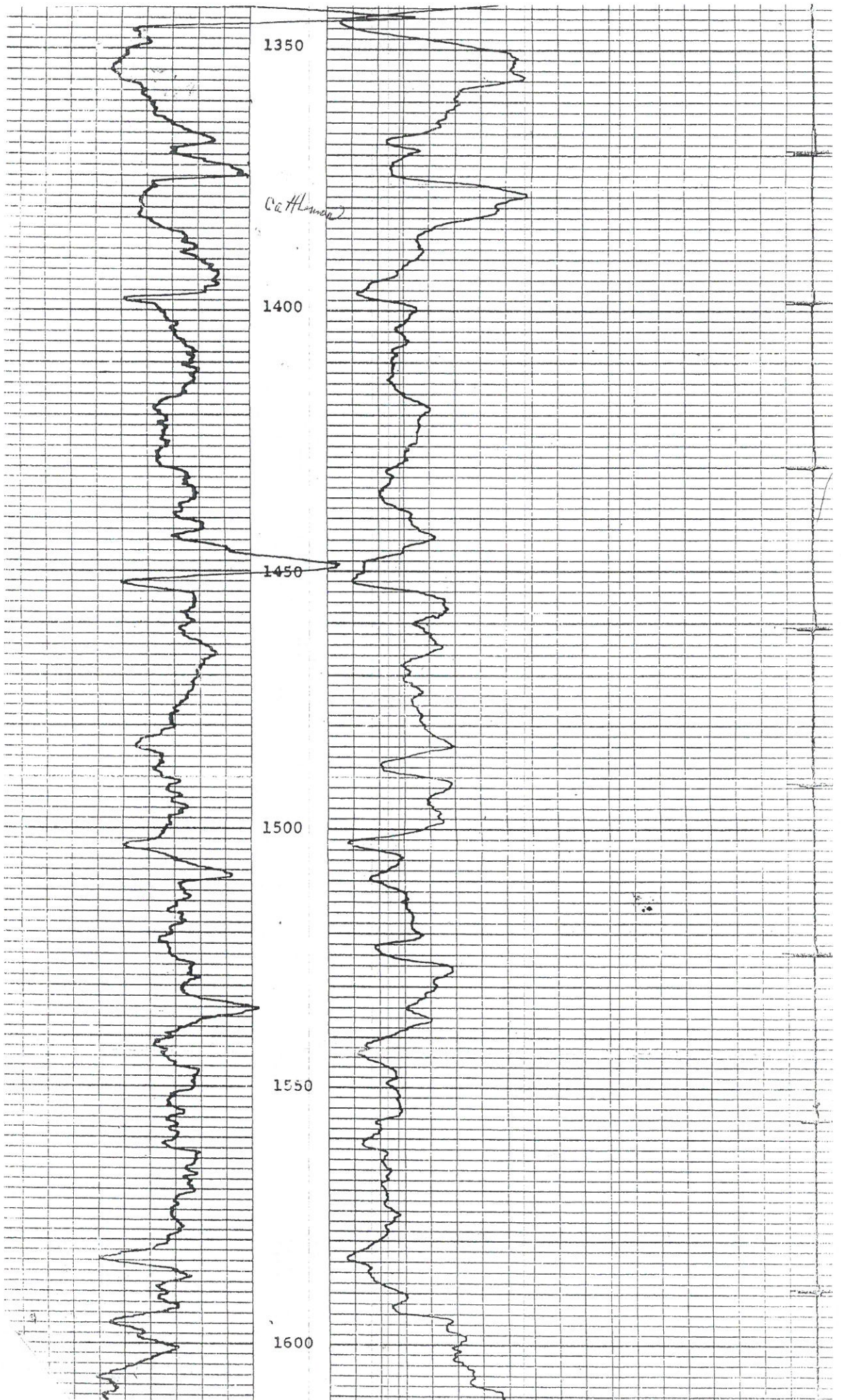
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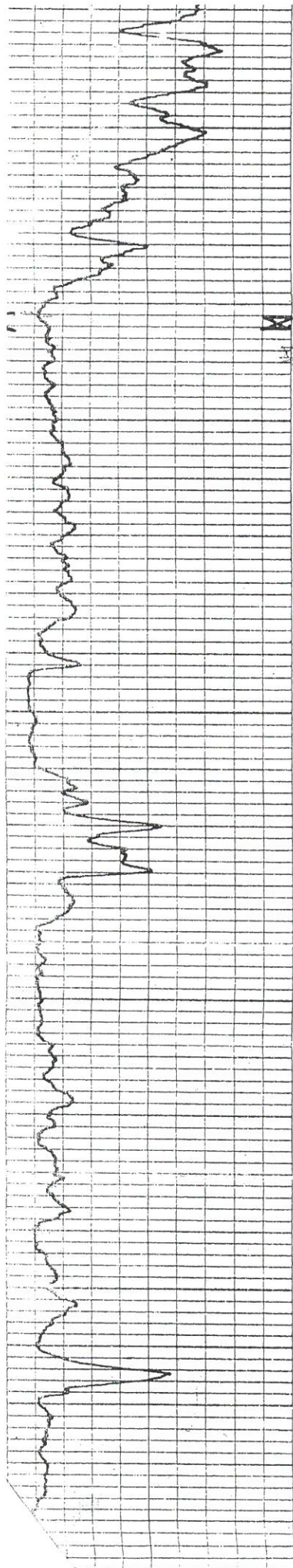
oil sand

1300

1307

1350 end





1600

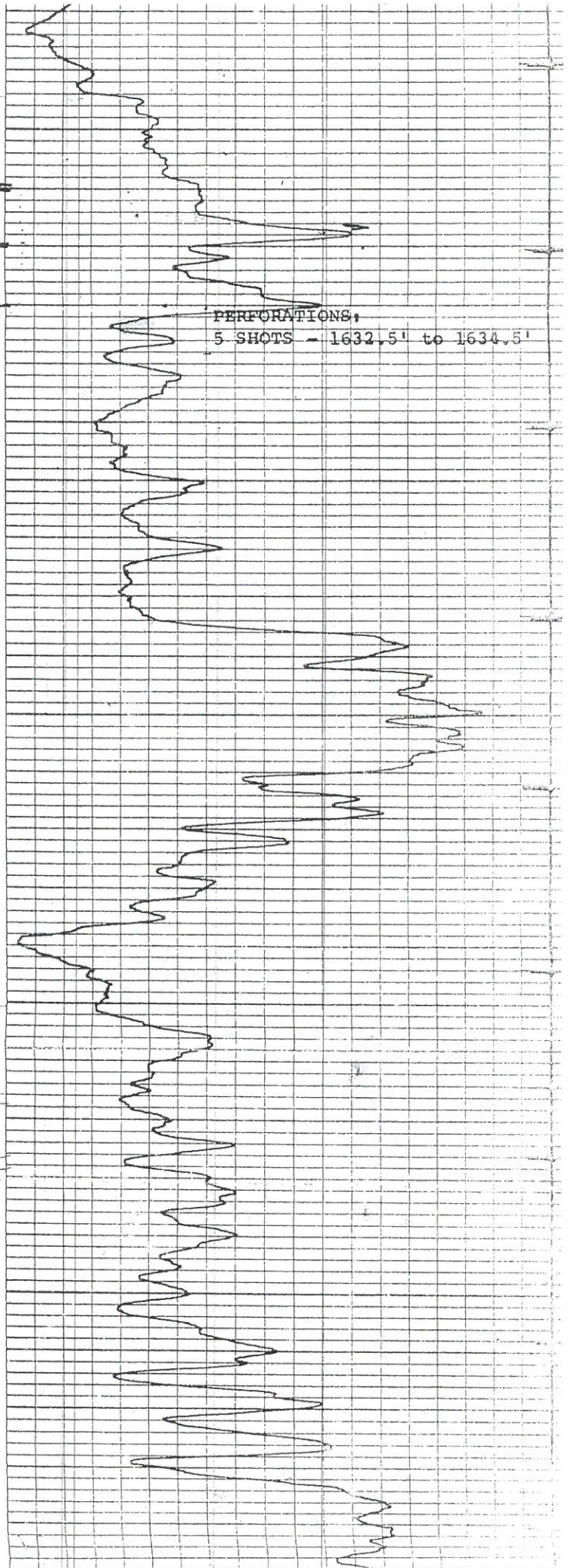
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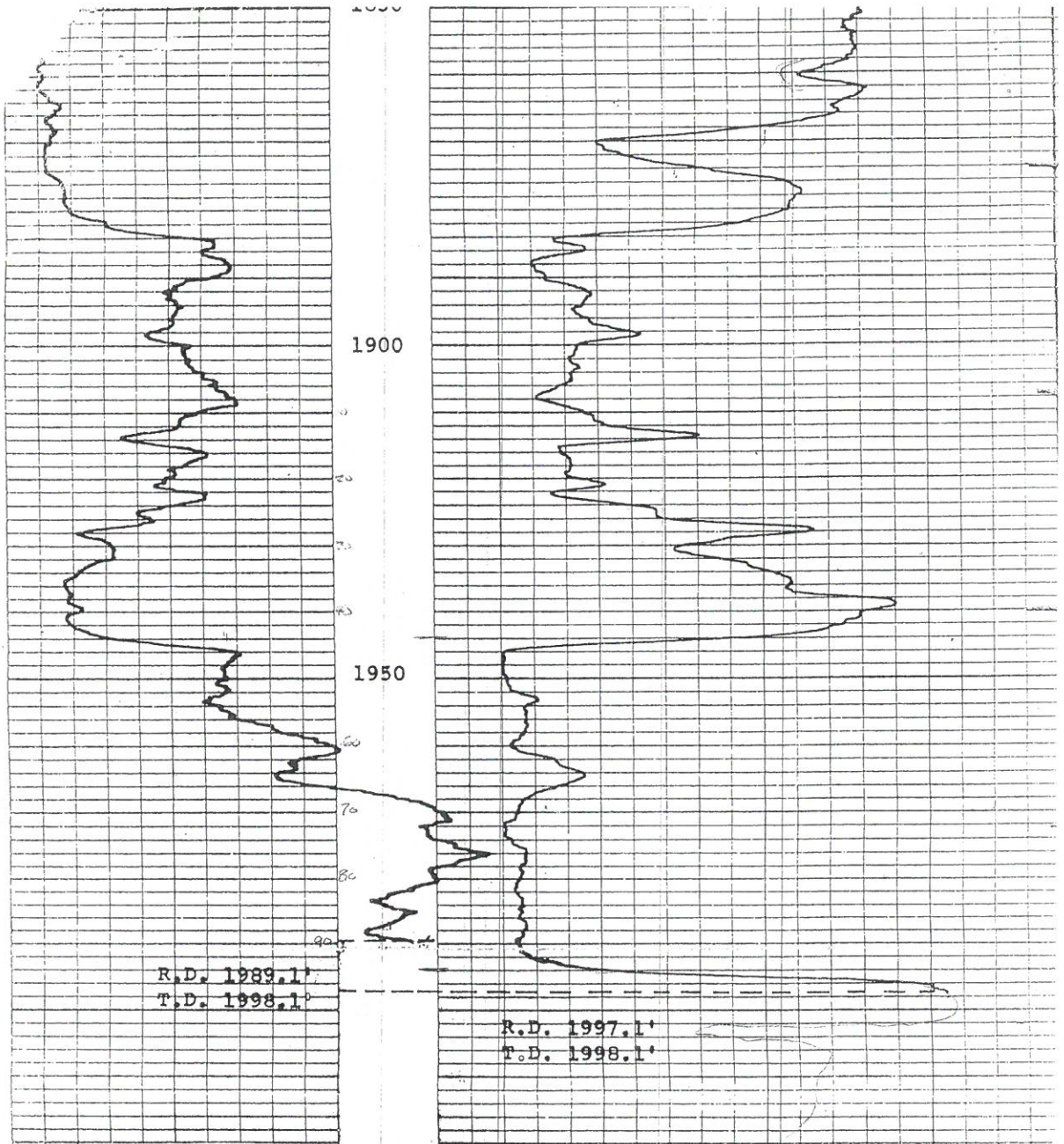
1700

1750

1800

PERFORATIONS:
5 SHOTS - 1632.5' to 1634.5'





RICH NO. 1

BRUNSON SPINES & MAGNUM LAND CORP.

COFFEY COUNTY, KANSAS

DECEMBER 16, 1975

10/11/75
10/11/75
10/11/75

34

10/11/75
10/11/75
10/11/75

10/11/75
10/11/75
10/11/75

RICH

T. G. WRIGHT
Consulting Geologist

620 FOURTH FINANCIAL CENTER
WICHITA, KANSAS 67202

K. G. S. LIBRARY

December 2, 1975

GEOLOGICAL WELL REPORT

Brunson-Spines & Magnum Land Corporation

#1 Rich NE SW SE Section 8-T23S-R15E

Wildcat, Coffey County, Kansas

Contractor: Alco Drilling Co., Inc.

Spud: November 19, 1975

7" @ 61'

4 1/2" Production Casing @ 2037'

Rotary Completion: November 24, 1975

Total Depth: 2040'

Brunson-Spines
615 Fourth Financial Center
Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geological tops, an evaluation of the porosities encountered, and a record of all tests made at the captioned well.

The drilling was witnessed from a depth of 1000' to 1634' by Mr. Glen Thrasher and from 1940' to 2040' TD by T. G. Wright. Samples were examined from 700-2040' TD. The hole was not logged mechanically before being cased.

Enclosed herewith is a copy of the plotted drilling time log from 700-2040 TD which also includes lithology, porous zones, tops and other pertinent data.

SAMPLE TOPS

ELEVATION	1134 G.L. (Estimated)
KANSAS CITY	783 (+ 351)
BASE OF KANSAS CITY	894 (+ 240)
ALTAMONT	1074 (+ 60)
PAWNEE	1145 (- 11)
CHEROKEE	1217 (- 83)
U. SQUIRREL SANDSTONE	1223-30

1223-30

Sandstone, tan, very fine, micaceous, and dirty, trace of porosity and spotted, brown oil stain, dull fluorescence, faint odor, spots of free oil on sample bucket and pits.

055 4'

DRILL STEM TEST #1 1221-61

Open 30 mins. and 30 mins.,
weak blow for 3 mins. and died.

Recovered 2 feet of oil cut mud.

All pressures 20#

MISSISSIPPI LIMESTONE

1595 (- 461)

1628-34

1631-37

Dolomite, tan, sucrosic, fair cavernous fossiliferous porosity,
good odor, spotted oil stain and free oil, bright fluorescence.

1636-46

Dolomite, tan, sucrosic, scattered fine porosity, no stain, no
fluorescence.

DRILL STEM TEST #2 1616-34

Tool open 30 mins. and 30 mins.,
fair blow throughout.

Recovered 30 feet of gas in pipe, 180 feet
of oil and gas cut mud, 35% oil, 7% water
and 58% solids. 30 feet of slightly oil
and gas cut mud, 24% oil and B.S., 3%
water and 63% solids.

IFP 20# - 52#
IBHP 470#/30 mins.

FFP 83# - 83#
FBHP 460#/30 mins.

OSAGE

1720 (- 586)

CHOTEAU

1814 (- 680)

KINDERHOOK SHALE

1940 (- 806)

BASE OF CHATTANOOGA - VIOLA

1991 (- 857)

1991-2019 ~~Limestone, white finely crystalline to calcitic and chalky,~~
scattered sand grains. No porosity, no show.

SIMPSON SAND NOT REPRESENTED

ARBUCKLE

2019 (- 885)

2019-40 TD

Dolomite tan to buff, mostly coarsely crystalline, cherty.
Streaks of good cavernous porosity, some oolitic porosity,
no show.

TOTAL DEPTH

2040

Brunson-Spines & Magnum Land Corp.
#1 Rich

-3-

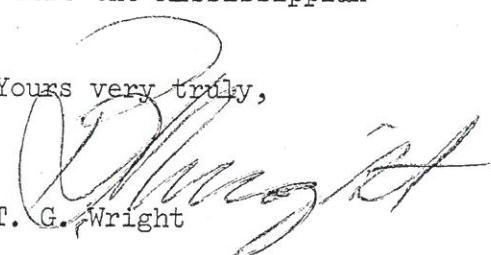
December 2, 1975

CONCLUSIONS AND RECOMMENDATIONS

This well encountered a Mississippian Limestone "show of oil" very similar to your presently producing #1 Evans 3/4 mile east, although at about 25 feet lower elevation. This is a normal regional relationship, however and may not be critical. At the top of the Viola this well is only 11 feet lower than the #1 Evans to the east and is considered somewhat higher than normal. There is no reservoir in the Viola and the Simpson Sand does not exist in the subject well, this being the first time that the writer has encountered this condition.

It was recommended that this hole be cased to test the Mississippian Limestone.

Yours very truly,


T. G. Wright

TGW:bf

DRILLING PROGRESS

11-19	SPUD
11-20	908
11-21	1325
11-22	1634
11-23	1834
11-24	2040 TD
11-25	2040 TD WOC 4½"

BIT RECORD

WILLIAMS (Retip)	61- 866
WILLIAMS (Retip)	866-1261
WILLIAMS (Retip)	1261-1597
WILLIAMS F ⁴	1597-2040 TD

BRUNSON-SPINES - MAGNUM
615 4TH FINANCIAL CENTER
WICHITA, KS.

#2 F. RICH

8-23-15E
NE NE SE

CONTR ALCO DRILG. CO.

CTY COFFEY

GEOL TOM WRIGHT

FIELD EVANS NORTH

E 1071 WL CM 5/22/76 CARD ISSUED 8/19/76 IP SWDW

VIOLA 1919-21
ARB 1964-79

API 15-031-20,573

SMP	TOPS	DEPTH	DATUM
LANS		396	+ 675
KC		707	+ 364
BKC		823	+ 248
ALTA		1006	+ 65
PAWN		1080	- 9
CHER		1158	- 87
BART SD ZN		1417	- 346
MISS LS		1525	- 454
MISS OS		1654	- 583
CHOTEAU		1741	- 670
KIND SH		1867	- 796
B CHATT-V		1915	- 844
ARB		1940	- 869
RTD		1965	- 894
DDTD		1979	- 908

7" 63/75sx, 4 1/2" 1964

NO LOG

DST (1) 1527-63/30-30-30-30, 68'WM,SIP

492-460#,FP 42-42#, 52-52#

DST (2) 1910-20/30-40-30-30, 553'M,FSIP

666#, FP 40-48#

MICT - PF 1919-1921, SDON FU 1 GO, A250

SWB DWN, SWB 2 GOPH, SD/ON, FU 150'FL,

(100' OIL) A 750, SWB 8 BO/4 HRS, SD/

WE, FU 1500' FL (50' OIL)SWB 2 BFPH + T

OIL, SD/ON FU 900' FL, (VSSO) CO TD DD

1979, PF 1537-43, (MISS) SWB DWN, A 500

SWB 1 GO + 10 GWPH, SET PLUG AT 1570, CC

T DD 1979, COMP FOR SWDW

INDEPENDENT OIL & GAS SERVICE
WICHITA, KANSAS

CORNISH

Phone HE 1-9308

Box 260

Chanute, Kansas

OIL WELL SERVICES RADIOACTIVITY LOG

FILING NO.

15-031-20573

COMPANY		BRUNSON - SPINES & MAGNUM LAND CORP.	
WELL		RICH NO. 2	
FIELD		WILDCAT EVANS AREA	
COUNTY		COFFEY	
LOCATION		NE 1/4 NE 1/4 SE 1/4	
STATE		KANSAS	
SEC. 8		TWP. 23S	
RGE. 15E		OTHER SERVICES:	
PERMANENT DATUM		G. L.	
LOG MEASURED FROM		G. L.	
DRILLING MEASURED FROM		G. L.	
DATE		5-29-76	
RUN NO.		1 NW	
TYPE LOG		GAMMA RAY	
DEPTH-DRILLER		1964.9'	
DEPTH-LOGGER		1964.9'	
BOTTOM LOGGED INTERVAL		1963.9'	
TOP LOGGED INTERVAL		2'	
TYPE FLUID IN HOLE		DRIG. MUD	
SAUINITY, PPM CL		DRIG. MUD	
DENSITY		FULL	
LEVEL		FULL	
MAX REC. TEMP., DEG F		FULL	
OPERATING RIG TIME		CORNISH J.	
RECORDED BY		CORNISH J.	
WITNESSED BY		WRIGHT	
RUN		BORE HOLE RECORD	
NO.		BIT	
FROM		TO	
SIZE		WGT	
FROM		TO	
CASING RECORD		NO.	
FROM		TO	

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
UN NO.	1 NW	RUN NO.	1 NW
COL MODEL NO.	95S	LOG TYPE	NEU/NEU
DIAMETER	1-11/16"	TOOL MODEL NO.	95S
DETECTOR MODEL NO.	95SC	DIAMETER	1-11/16"
TYPE	SCINT.	DETECTOR MODEL NO.	95HE
LENGTH	1"x 4"	TYPE	He
STANCE TO N. SOURCE	8.5'	LENGTH	1"x 6"
GENERAL		SOURCE MODEL NO.	
DIST TRUCK NO.	3247	AC	
ISTRUMENT TRUCK NO.	3247	MRC415	
COL SERIAL NO.	03	13"	
		Am/Be 6	
		6.7x10 ⁶	

LOGGING DATA										
GENERAL				GAMMA RAY			NEUTRON			
N	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
	FROM	TO								
	1963.9'	2'	25	2.5	100-095	1L	20	2.0	500-127	3L

REFERENCE LITERATURE

Drilling Contractor - Alco Drig.
Geologist - Wright

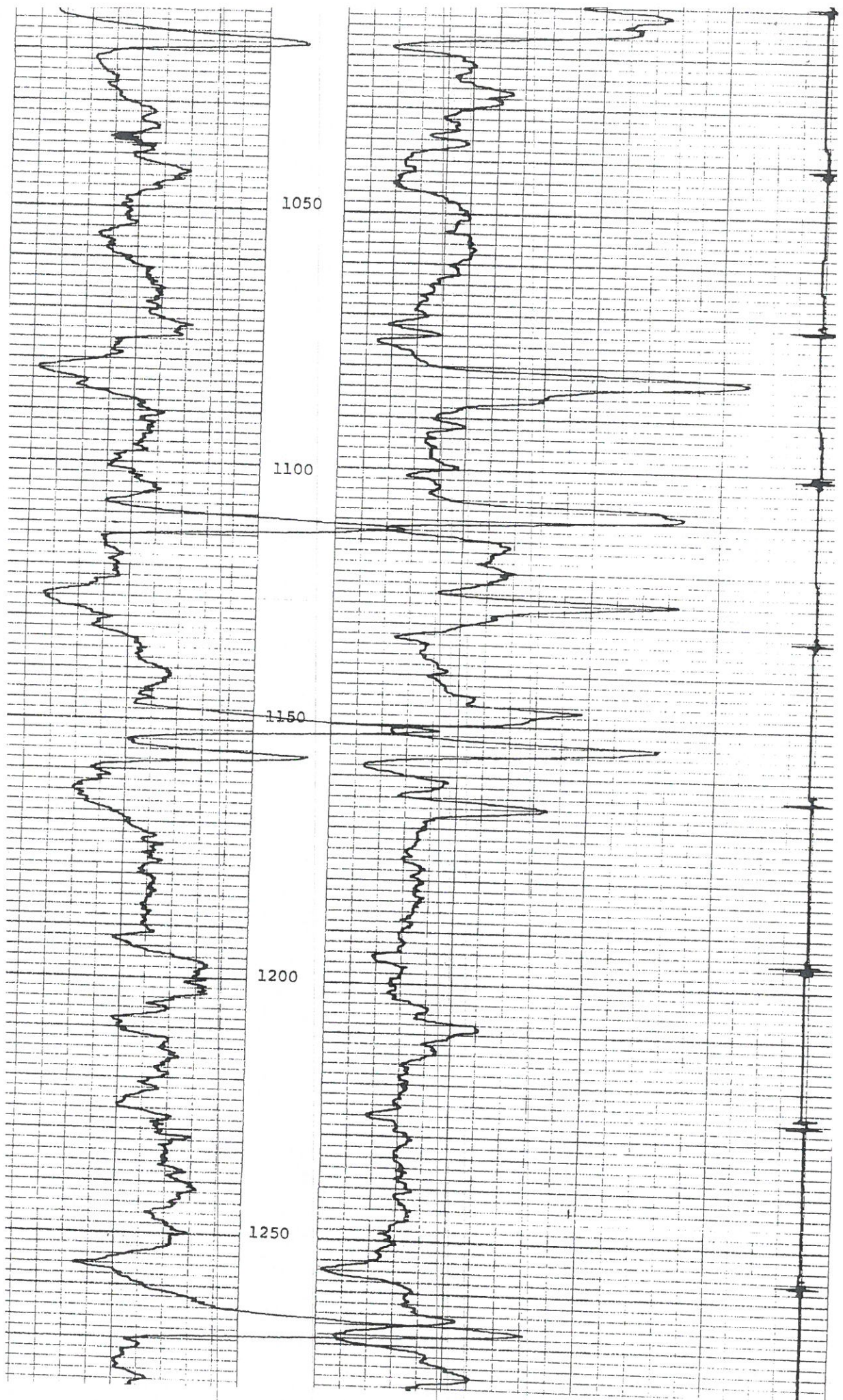
GAMMA RAY

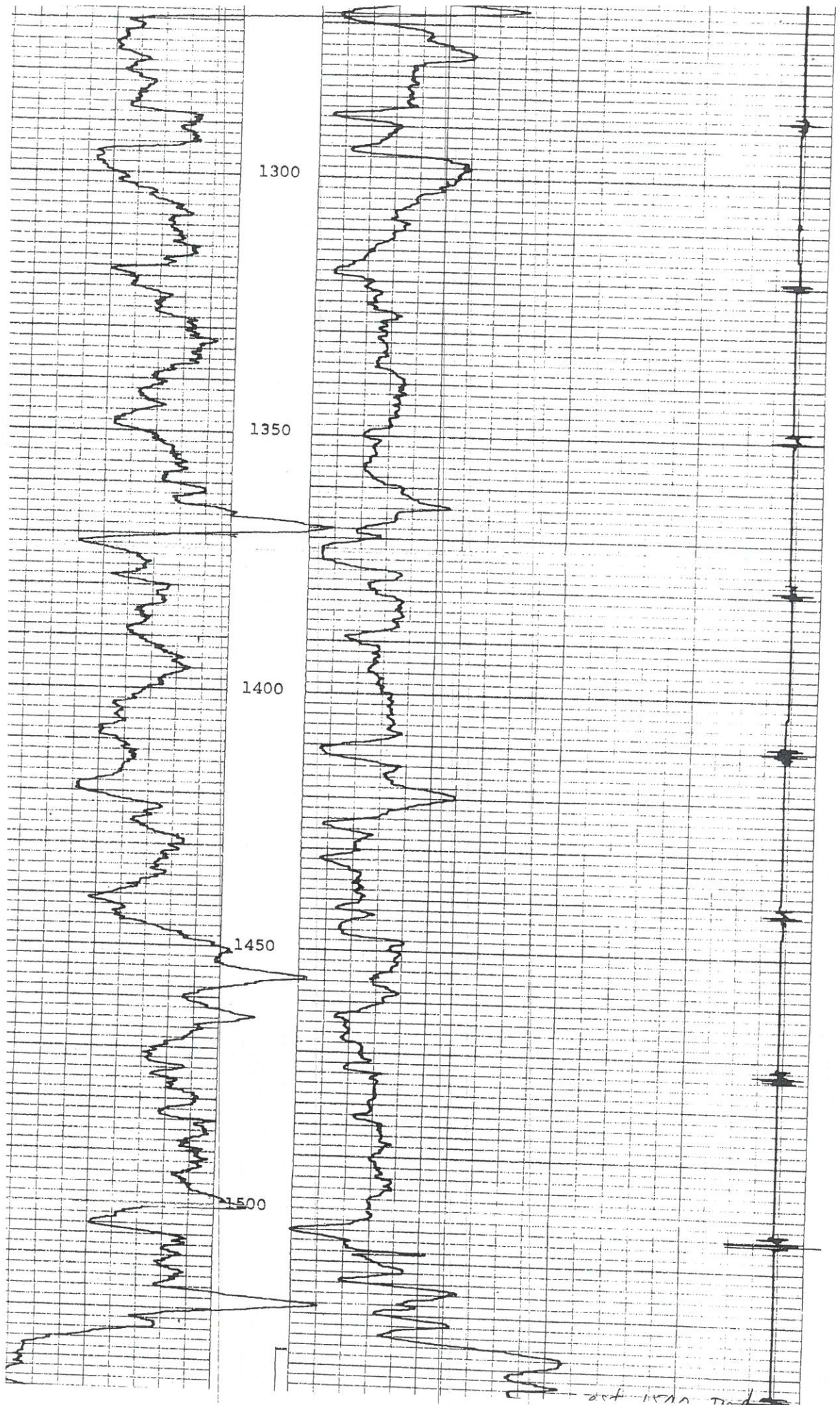
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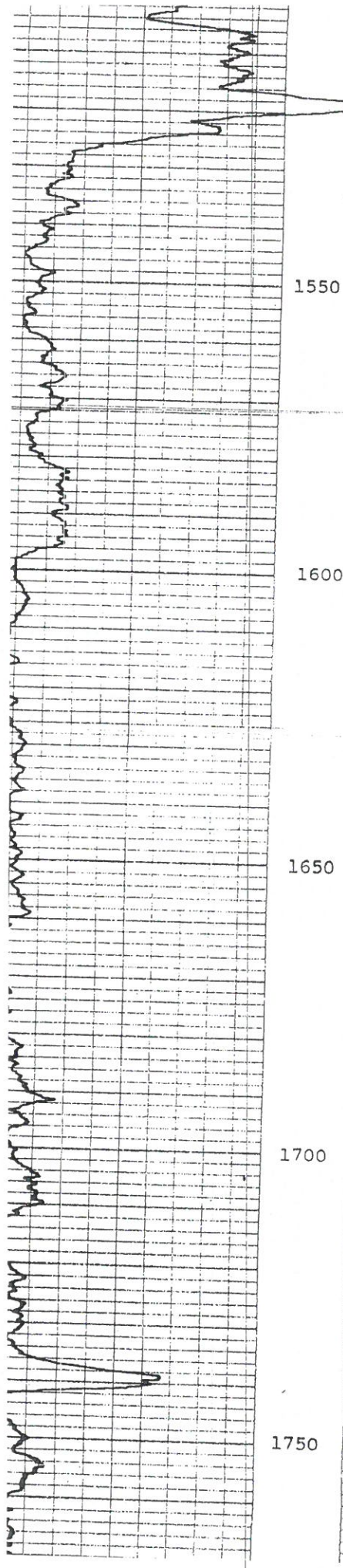
DEPTH
AND
CASING
COLLARS

NEUTRON

API UNITS



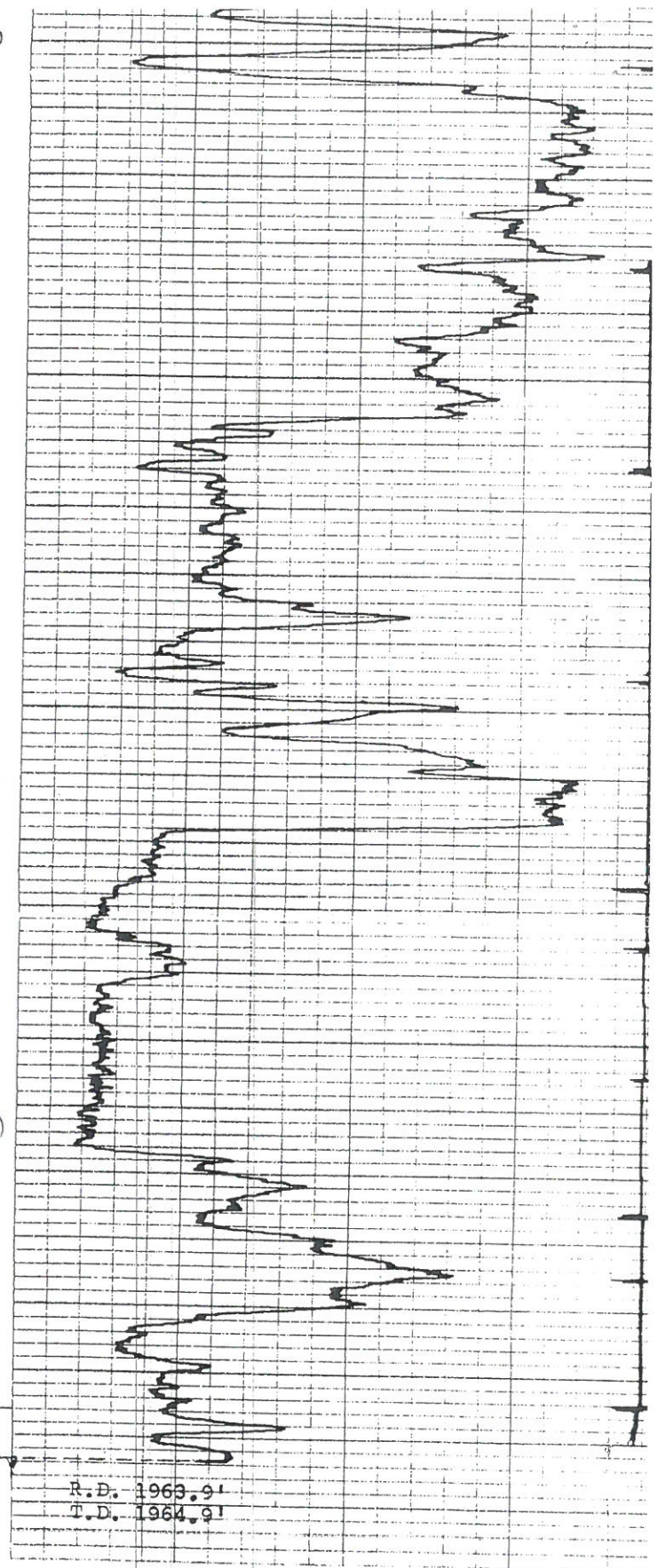
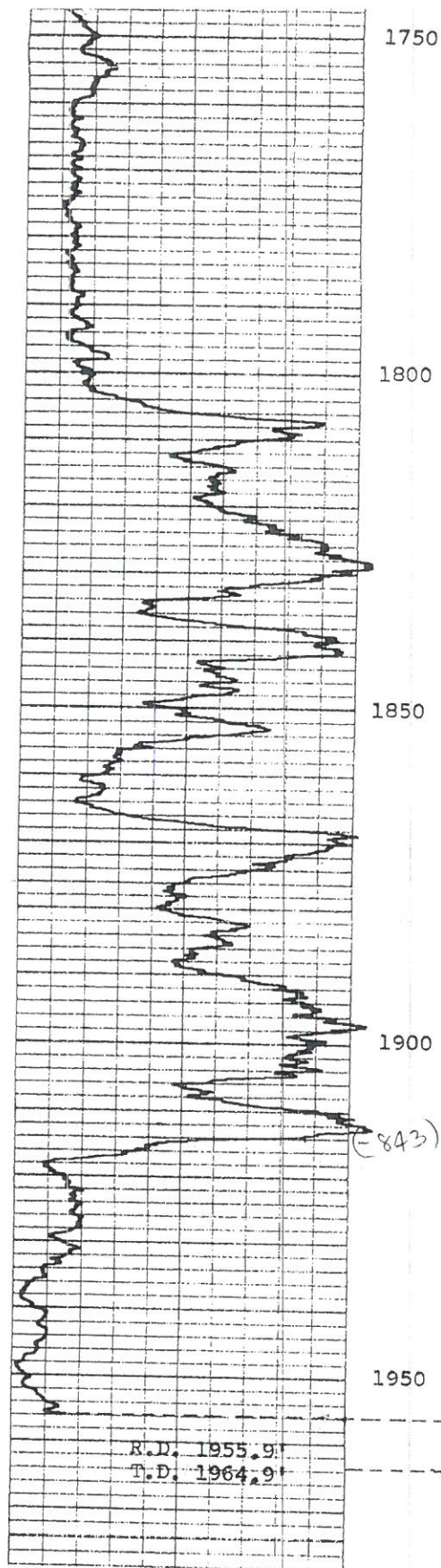




est 1540 Top of
1071
(-469)

DST-1527-63
Rec. 68' WTR/MD
NO SALT TASTE
SCATT. F.O. DROPS

(-527)



RICH NO. 2

BRUNSON - SPINES & MAGNUM LAND CORP.

COFFEY COUNTY, KANSAS

MAY 29, 1976



WIRELINE
SERVICES, INC.
CHANUTE, KANSAS

GAMMA RAY
NEUTRON
COMPLETION LOG

Company	BIRK PETROLEUM	Company	BIRK PETROLEUM
Well	RICH #4	Well	RICH #4
Field	EVANS NORTH	Field	EVANS NORTH
County	COFFEY	County	COFFEY
State	KANSAS	State	KANSAS
Location:		API #: 15-031-23873-00-00	Other Services
330' FSL & 1650' FEL SE SW SE			
Permanent Datum	G.L.	Elevation	1148' EST.
Log Measured From	G.L.		
Drilling Measured From	G.L.		
SEC 8 TWP 23S RGE 15E		Elevation	
		K.B.	
		D.F.	
		G.L.	1148' EST.
Date	6-19-2014		
Run Number	1-NEW WELL		
Depth Driller			
Depth Logger	1663.5'		
Top Log Interval	SURFACE		
Bottom Logged Interval	1663.5'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	4.5" @ T.D.	@	@
Max Recorded Temp			
Estimated Cement Top			
Calculated Cement Top			
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor	RIG SIX		
Equipment Number	107		
Location			
Recorded By	UDEN, D.		



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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule

Comments

THANK YOU

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	WT (lb)
--------	-------------	-----------	-------------	----------	---------	---------

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
			NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

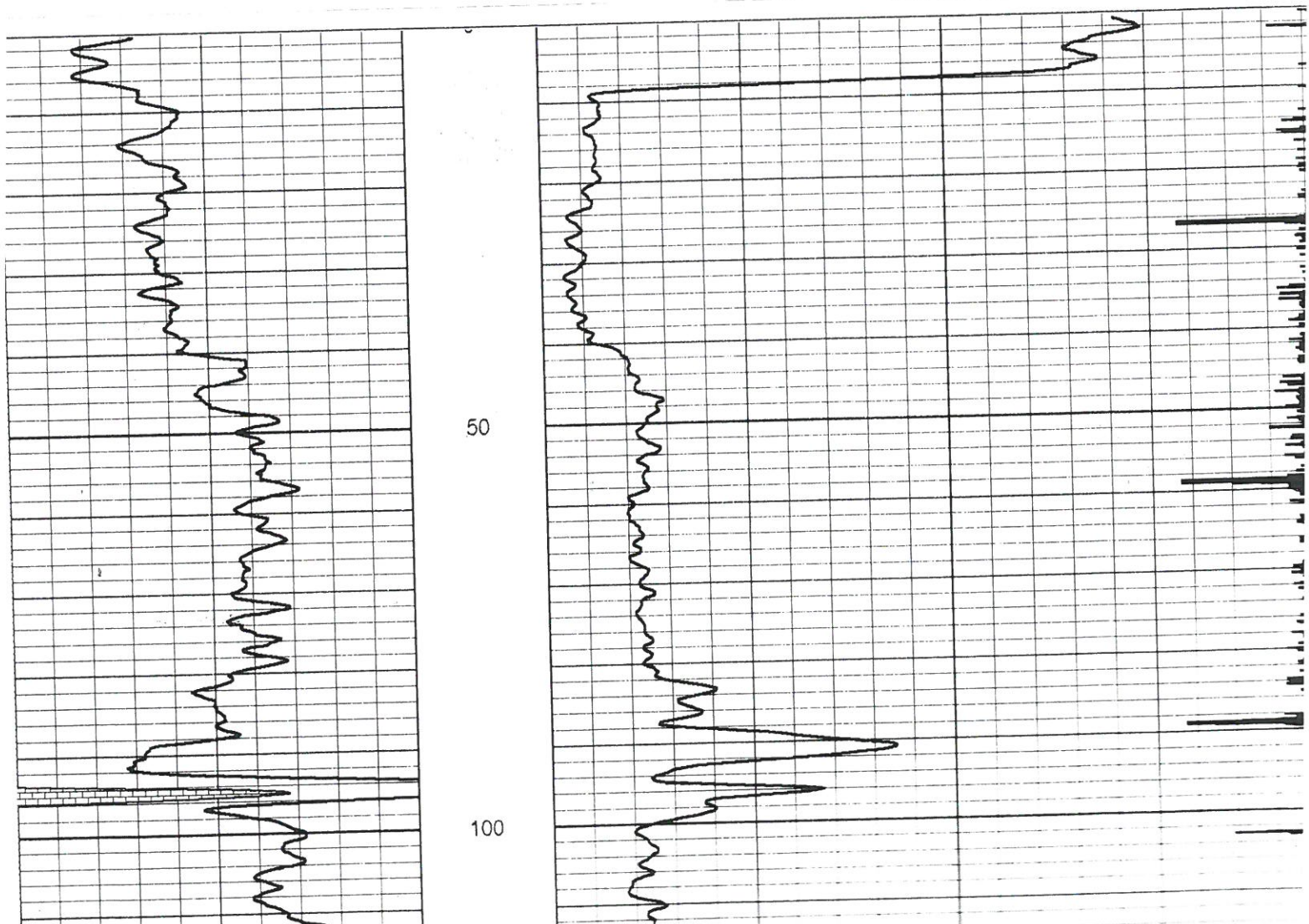
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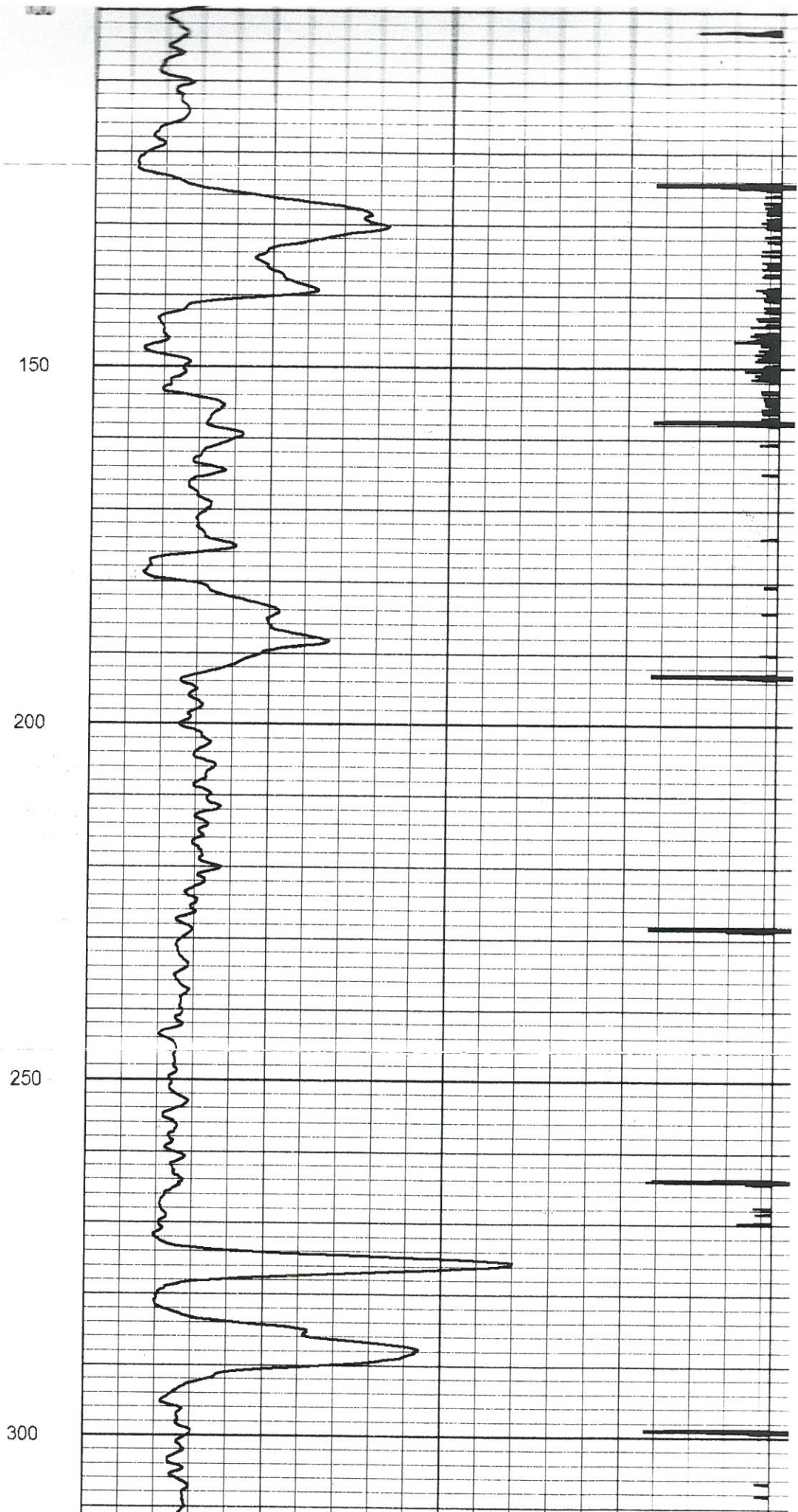
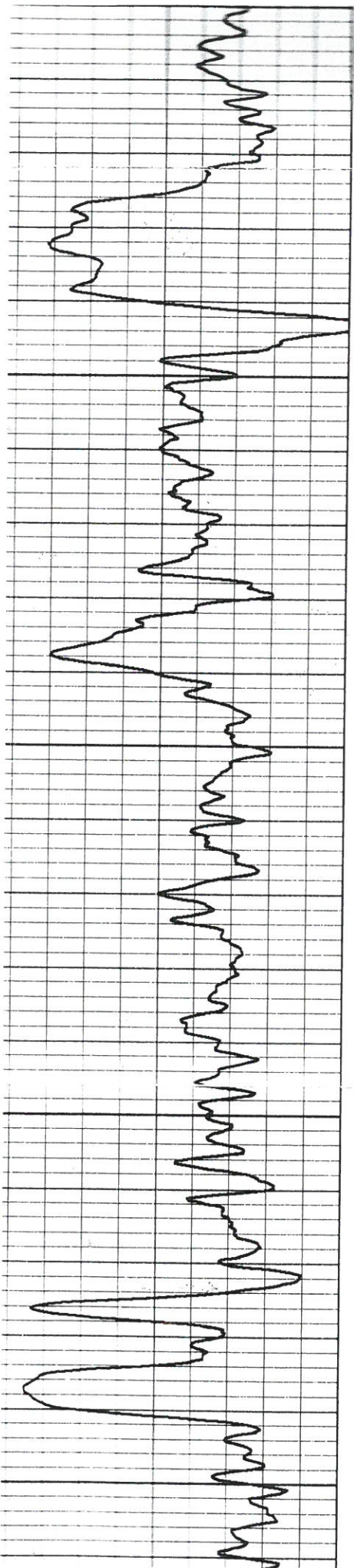
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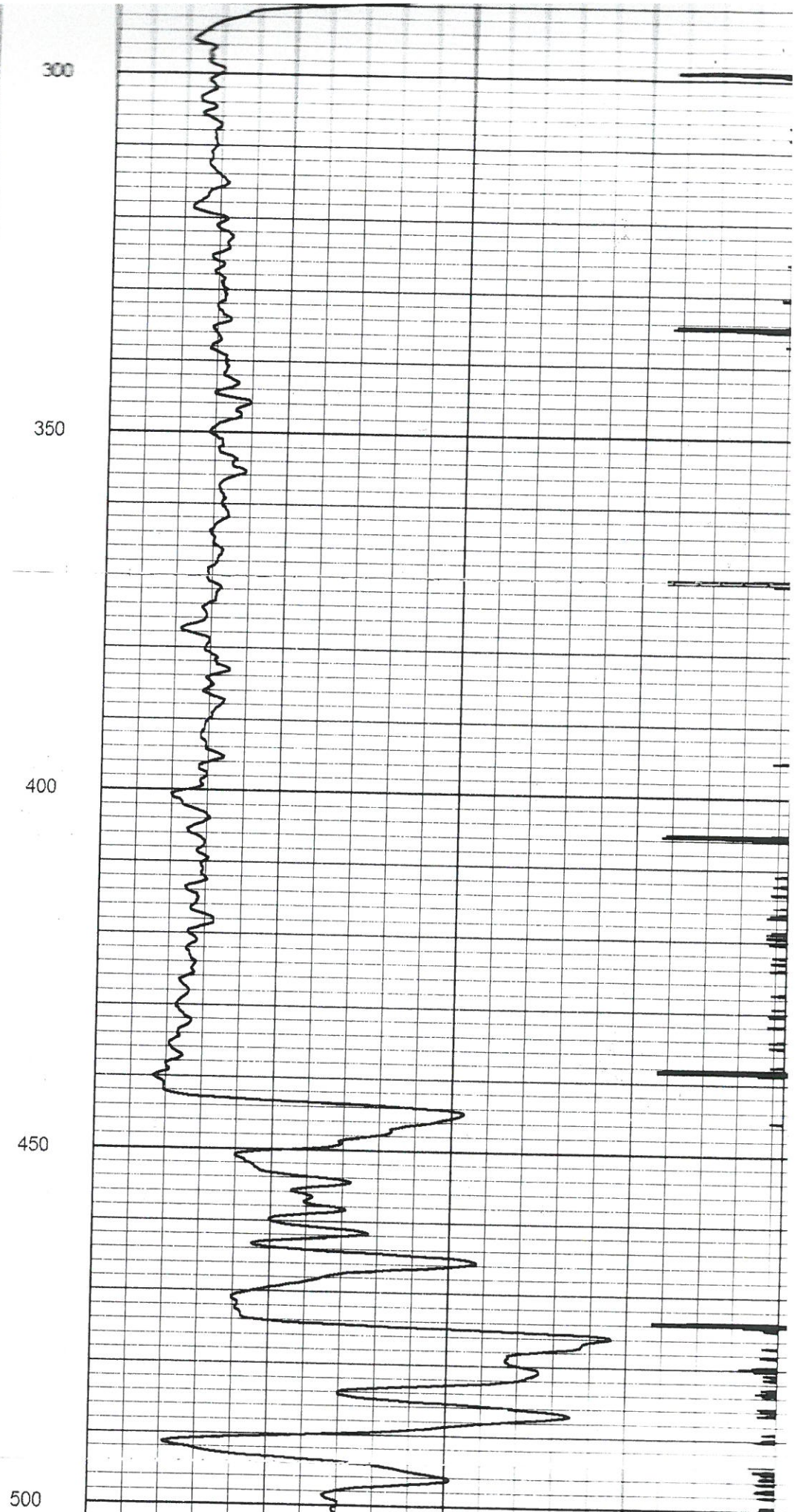
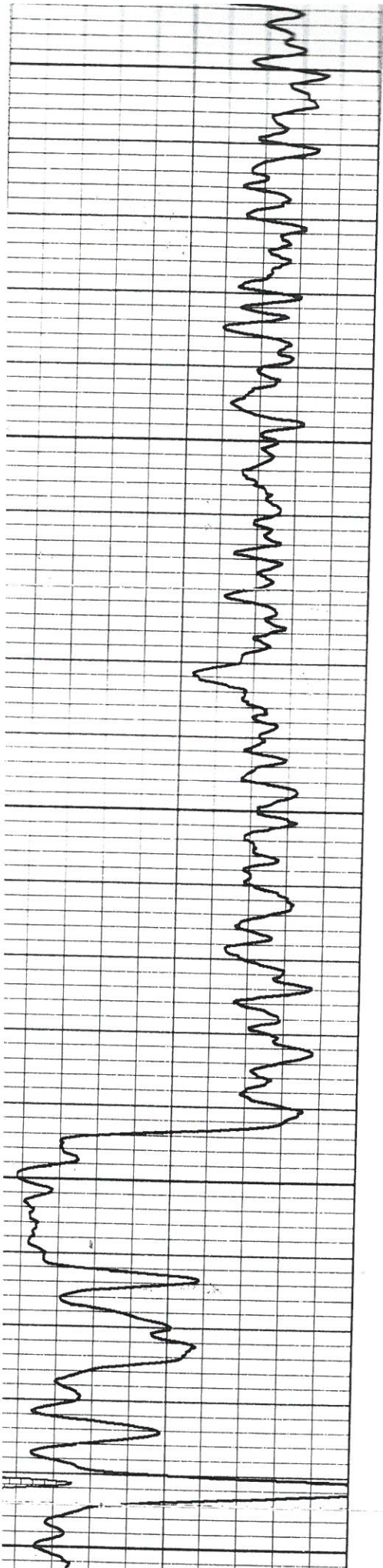
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 O.D.: 1.69 in

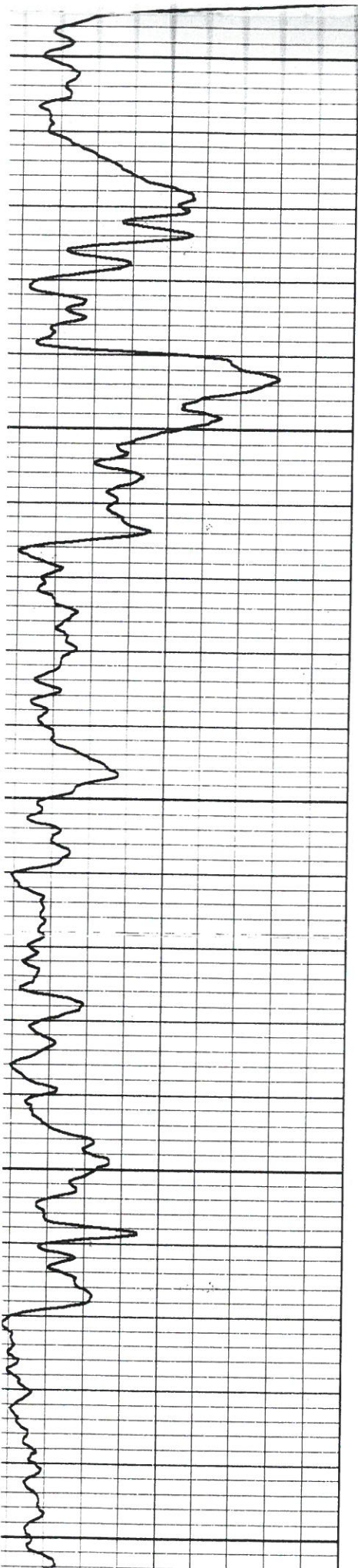
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 Presentation Format: gr-n-ccl
 Dataset Creation: Thu Jun 19 09:21:26 2014 by Log Std Casedhole 07122
 Charted by: Depth in Feet scaled 1:240

150	GR	150	100	NEU	13	CCL	15
	gr	300					









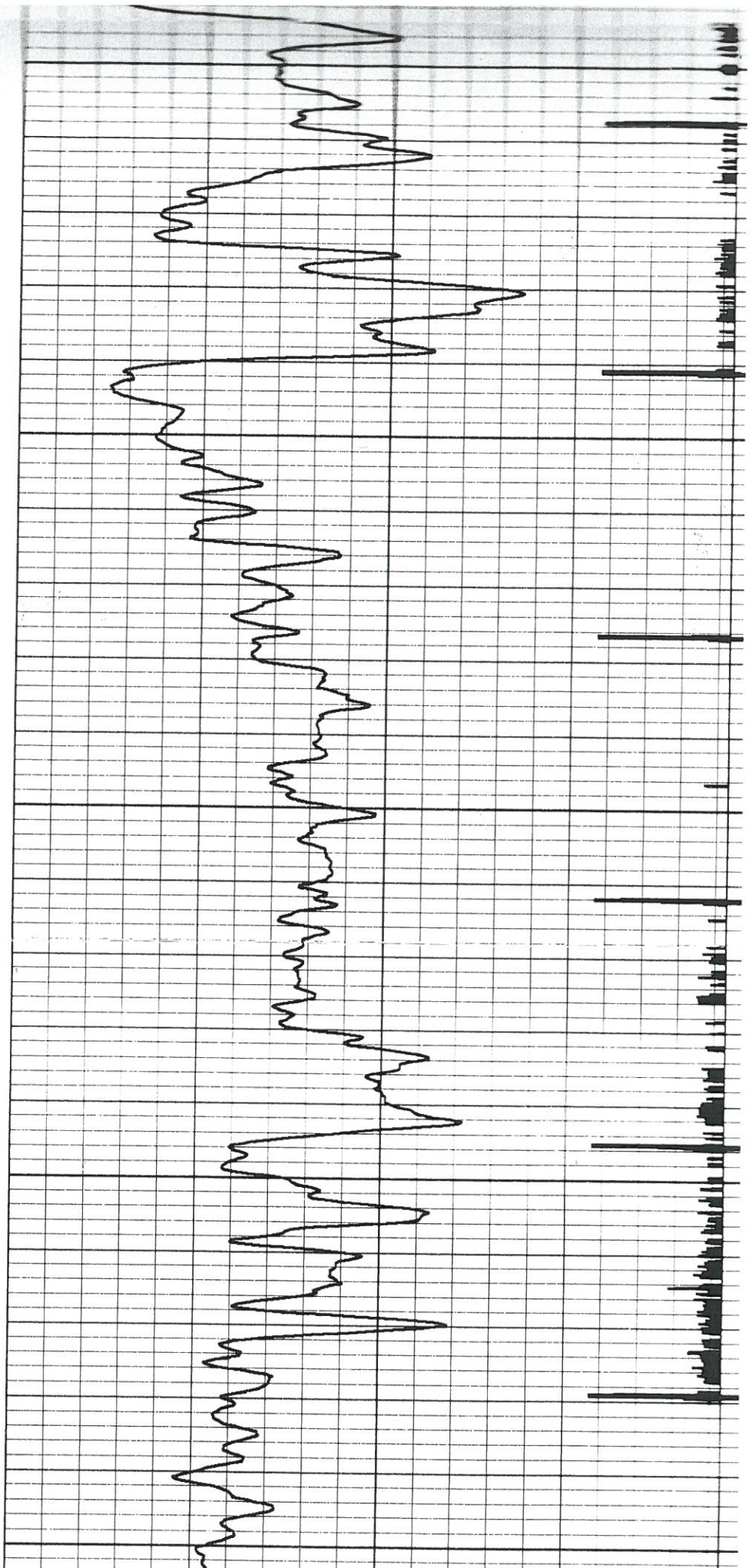
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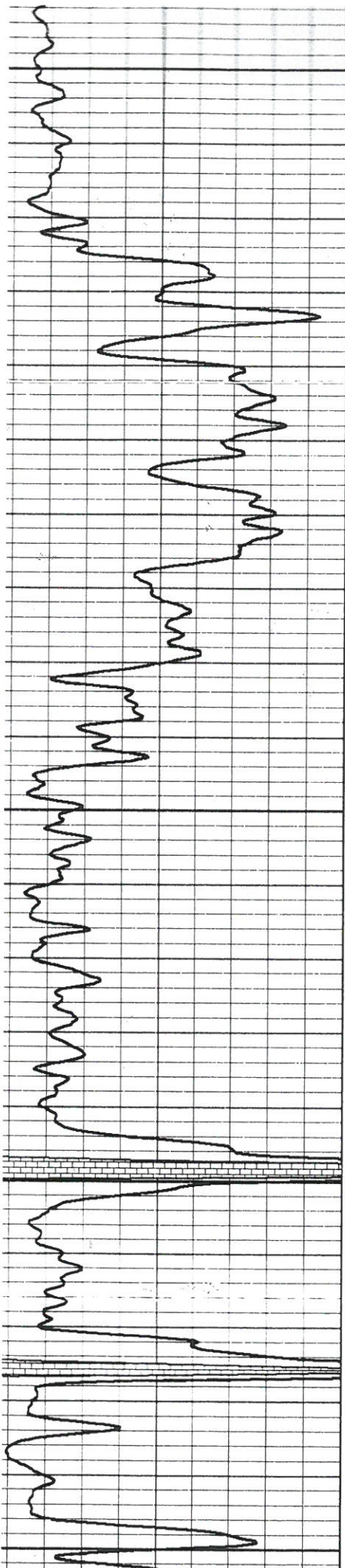
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600

650

700





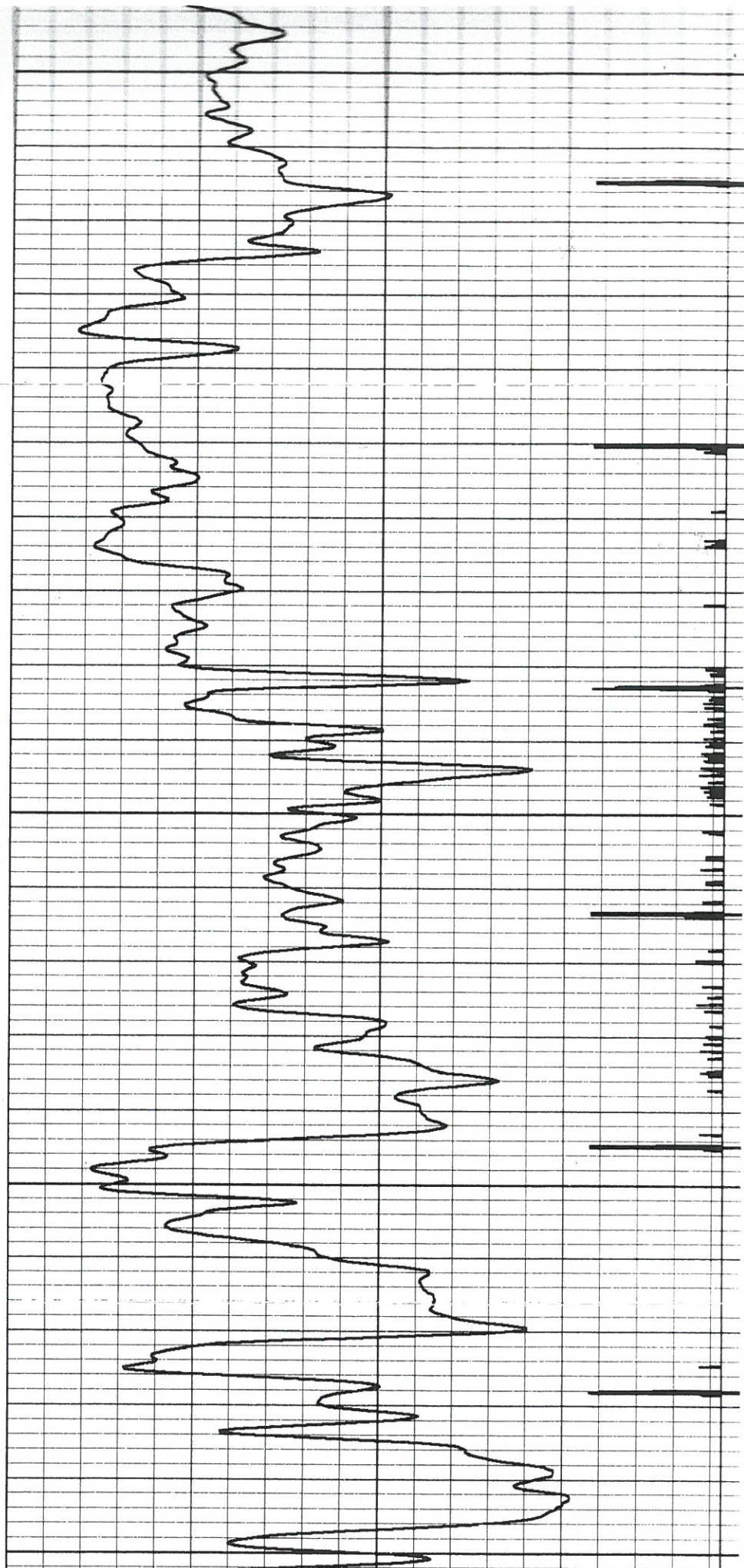
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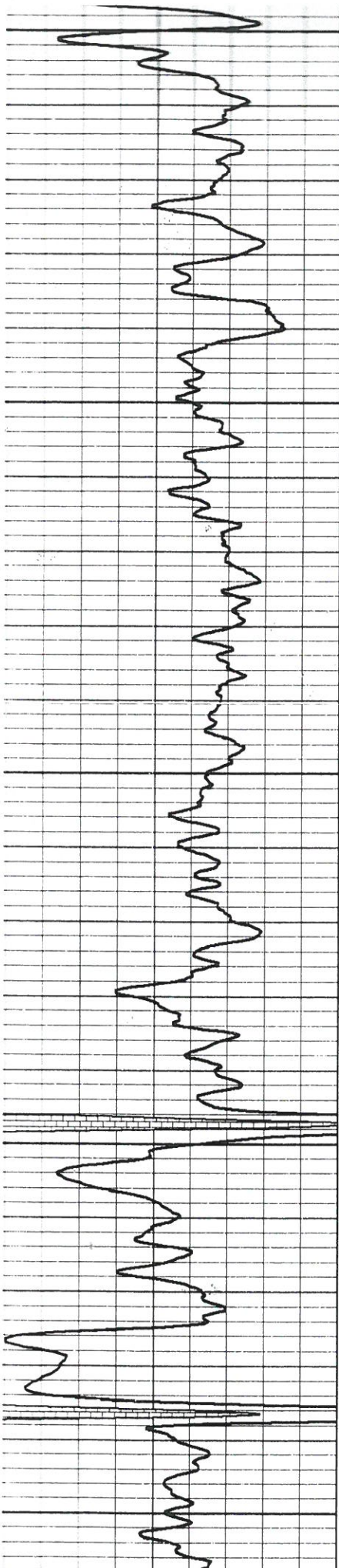
750

800

850

900





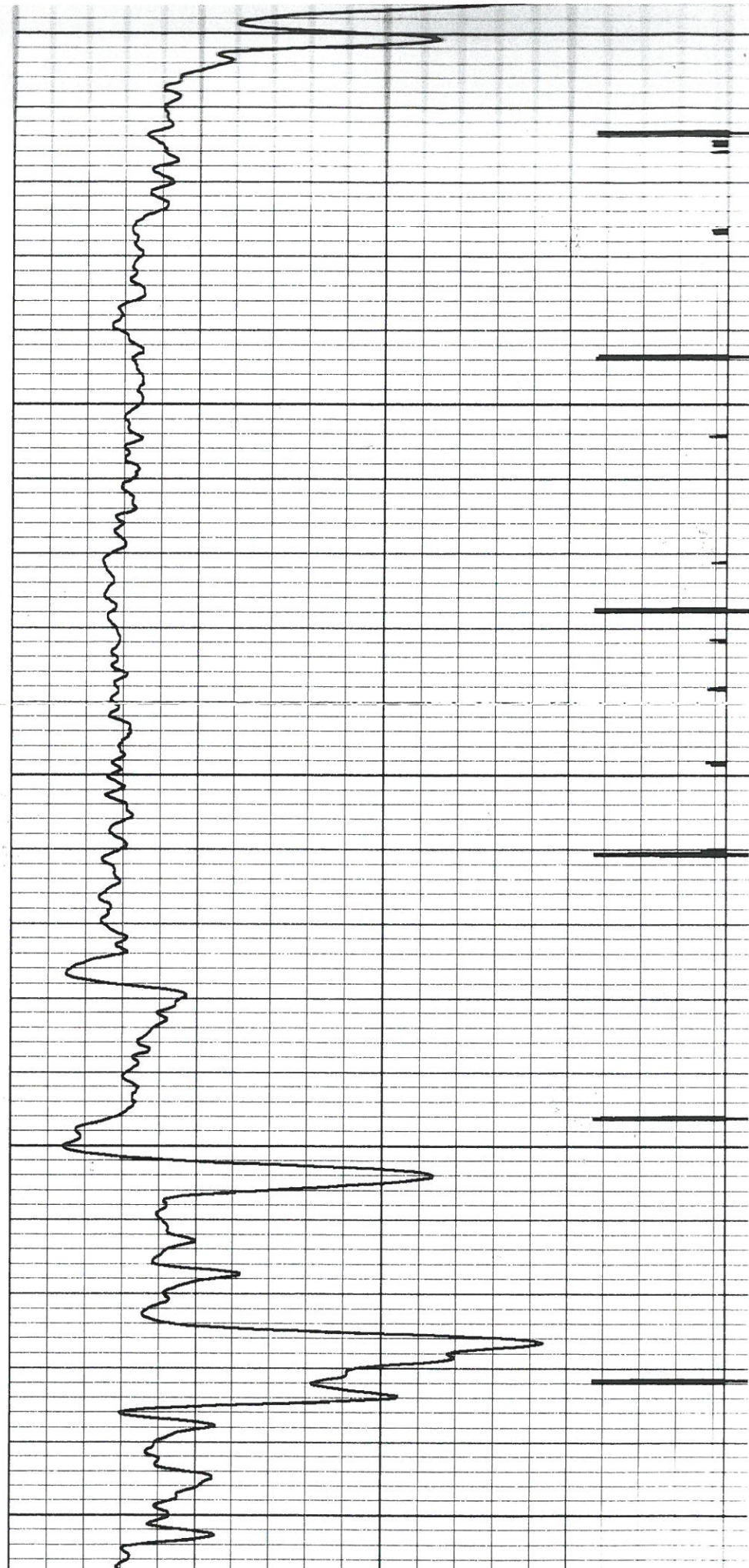
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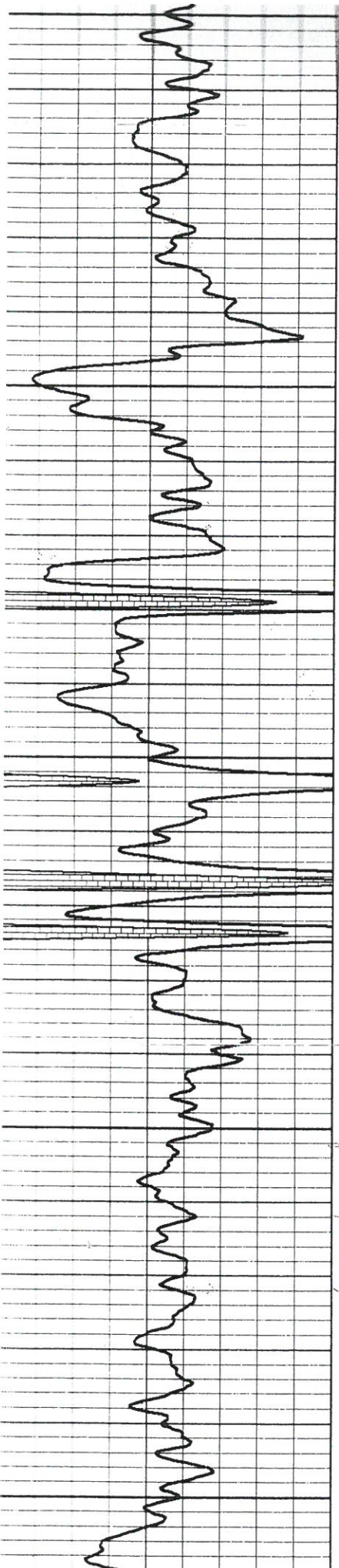
950

1000

1050

1100





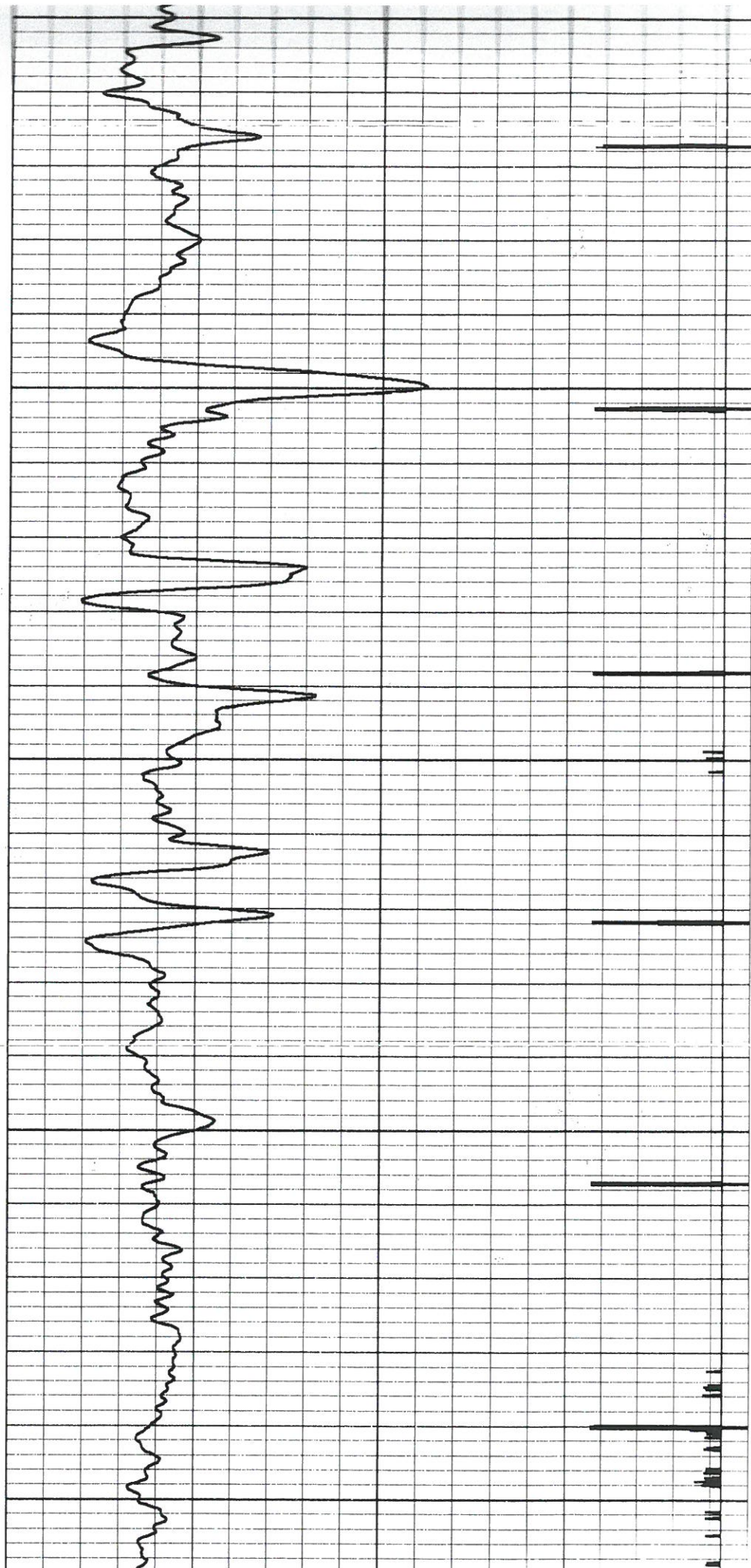
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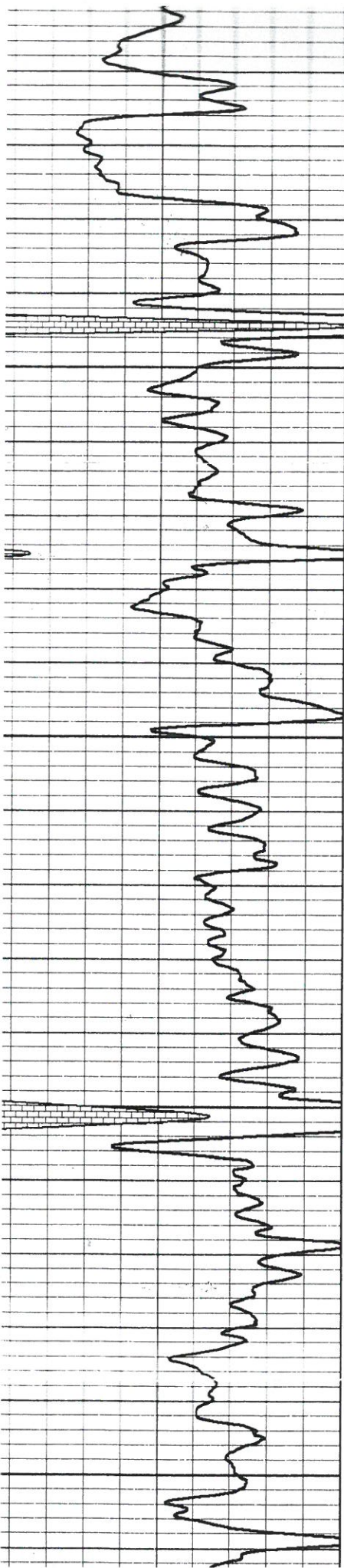
1150

1200

1250

1300



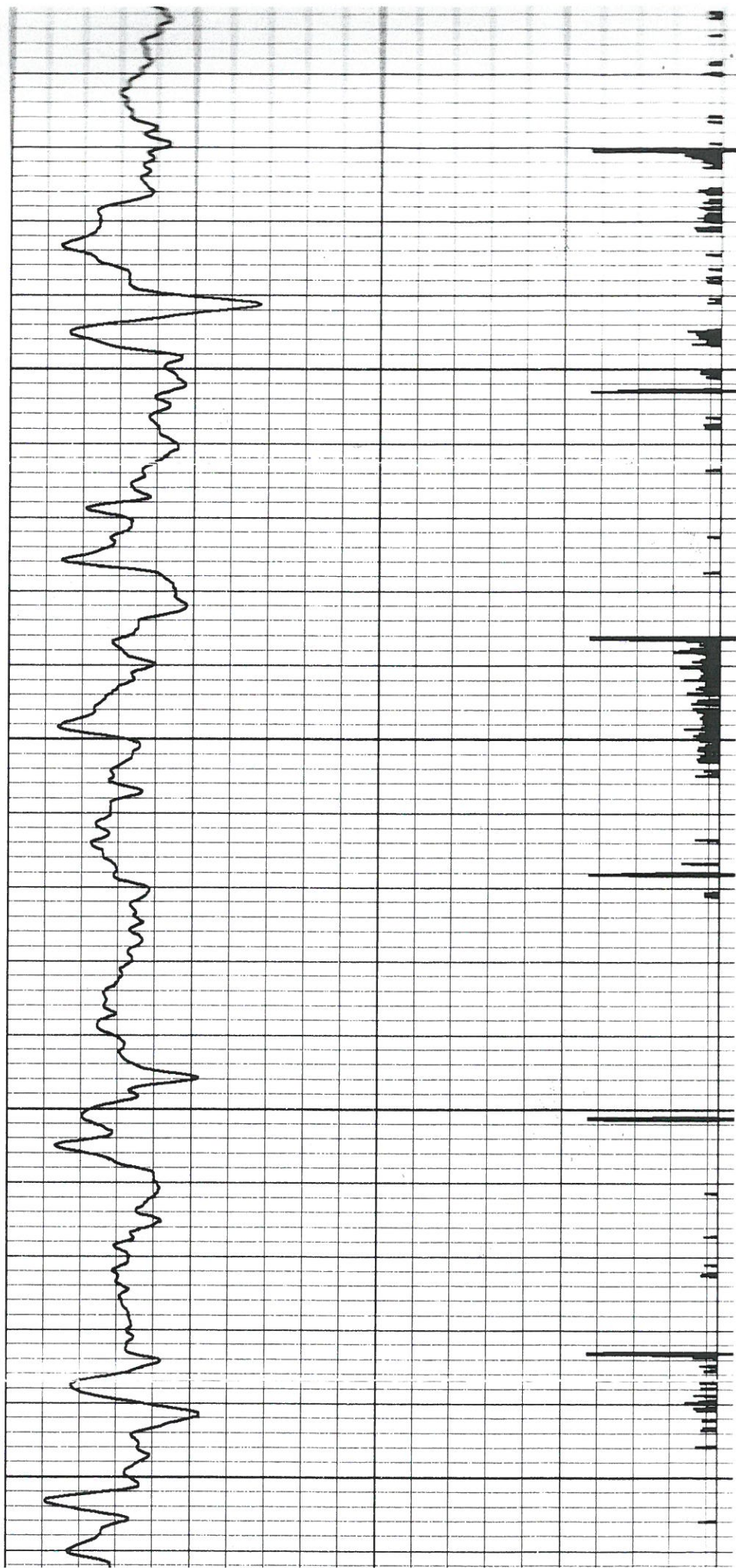


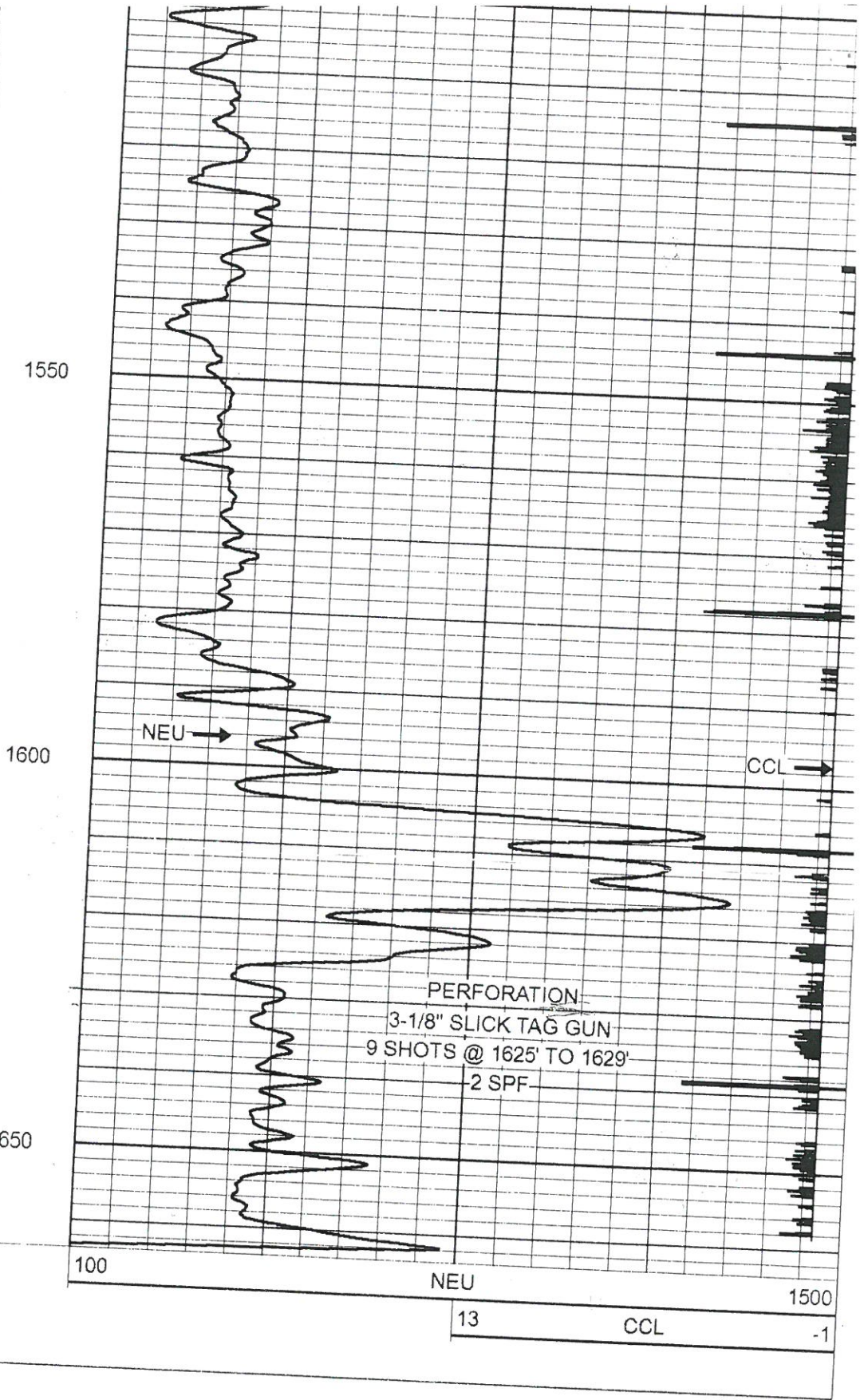
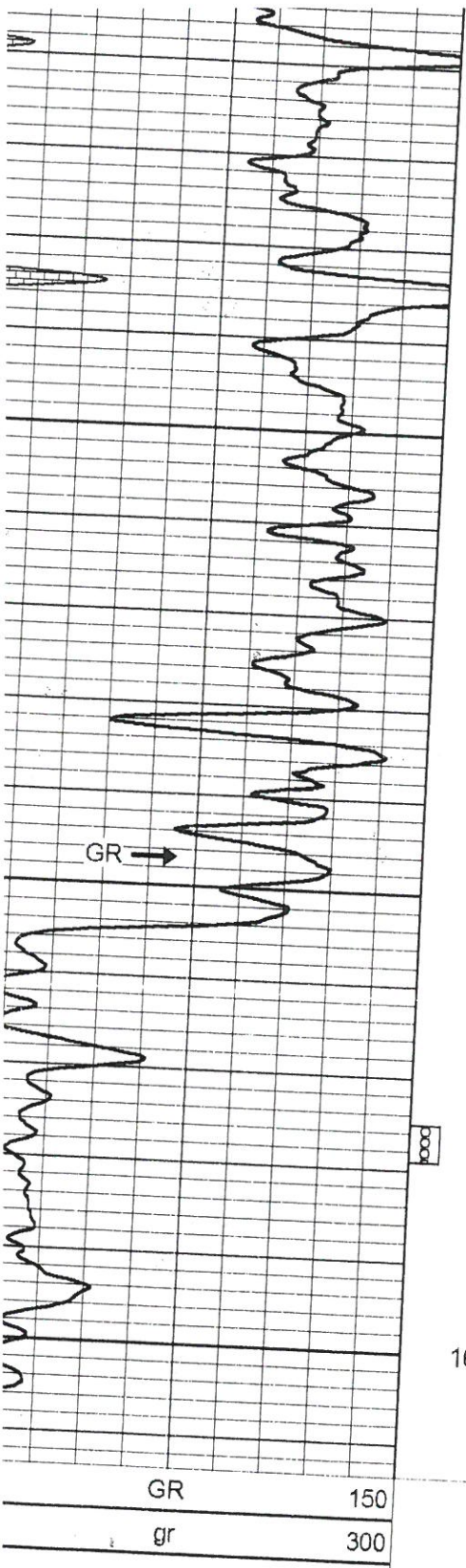
1350

1400

1450

1500





Company	BIRK PETROLEUM
Well	RICH #4
Field	EVANS NORTH
County	COFFEY SEC. 8 TWP. 23S RGE. 15E
State	KANSAS
Date	6-10-88

RIG 6 DRILLING, CO

INCORPORATED

O.P. # 30567

UNITED STATES POST OFFICE BOX NO. 227
IOLA KANSAS, 66749

BUD SIFERS

620 365 9897

COMPANY: Birk Petroleum
ADDRESS: 874 12th rd
Burlington, KS66839

COMMENCED: ##### 6/2/2014
COMPLETED: 6/4/2014
WELL #: 4


LEASE: Rich
COUNTY: CF
LOCATION 330'FSL/1650'FEL
8/23/15e

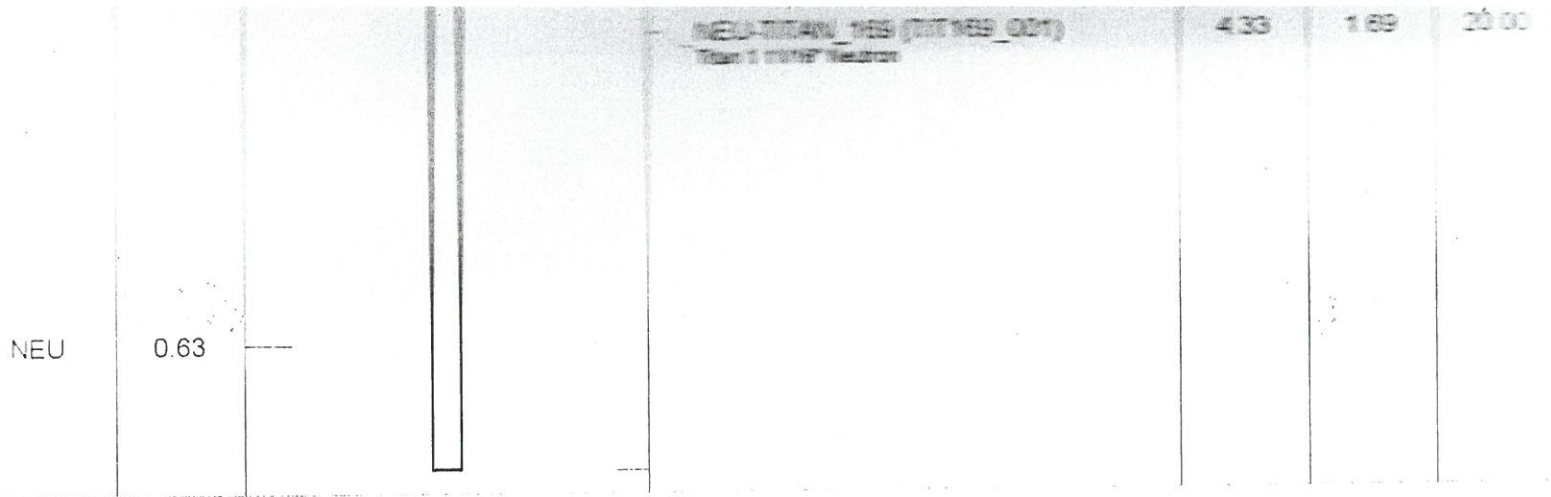
API#: 15-031-23,873
STATUS: Oil Well
TOTAL DEPTH: 1680'-6 3/4"
CASING: 40'-8 5/8" cmt w/ 20 sx
1675'-4 1/2" Csg

DRILLER'S LOG

2	soil & clay	1227	Ls
14	Sh (Shale)	1230	Co
49	Sa Sh (Hard)	1235	Sh
92	Sh w/ ls strks	1253	Sa w/ sh NO/NS
101	Ls	1288	Sa w/ sh Good odor, show
131	Sh w/ red sh	1306	Sa sh NO/NS
277	Sh w/ ls brks	1375	Sh
281	Ls	1390	Sa
448	Sh w/ sa sh	1584	Sa w/ sh brks
736	Ls w/ sh brks	1586	Co w/ blk sh
789	Sh	1593	Sh
838	Ls	1595	Co
860	Sh	1599	Sh
875	Ls	1629	LS MISS
886	Sh	1638	LS lt brn good odor
893	Ls	1680	LS T.D.
1056	Sh		
1089	Ls		
1152	Sh		
1180	Ls w/ sh strks		
1184	Co		
1193	Sh		
1198	Ls sandy		
1200	Sh blk		
1223	Sh		

show oil

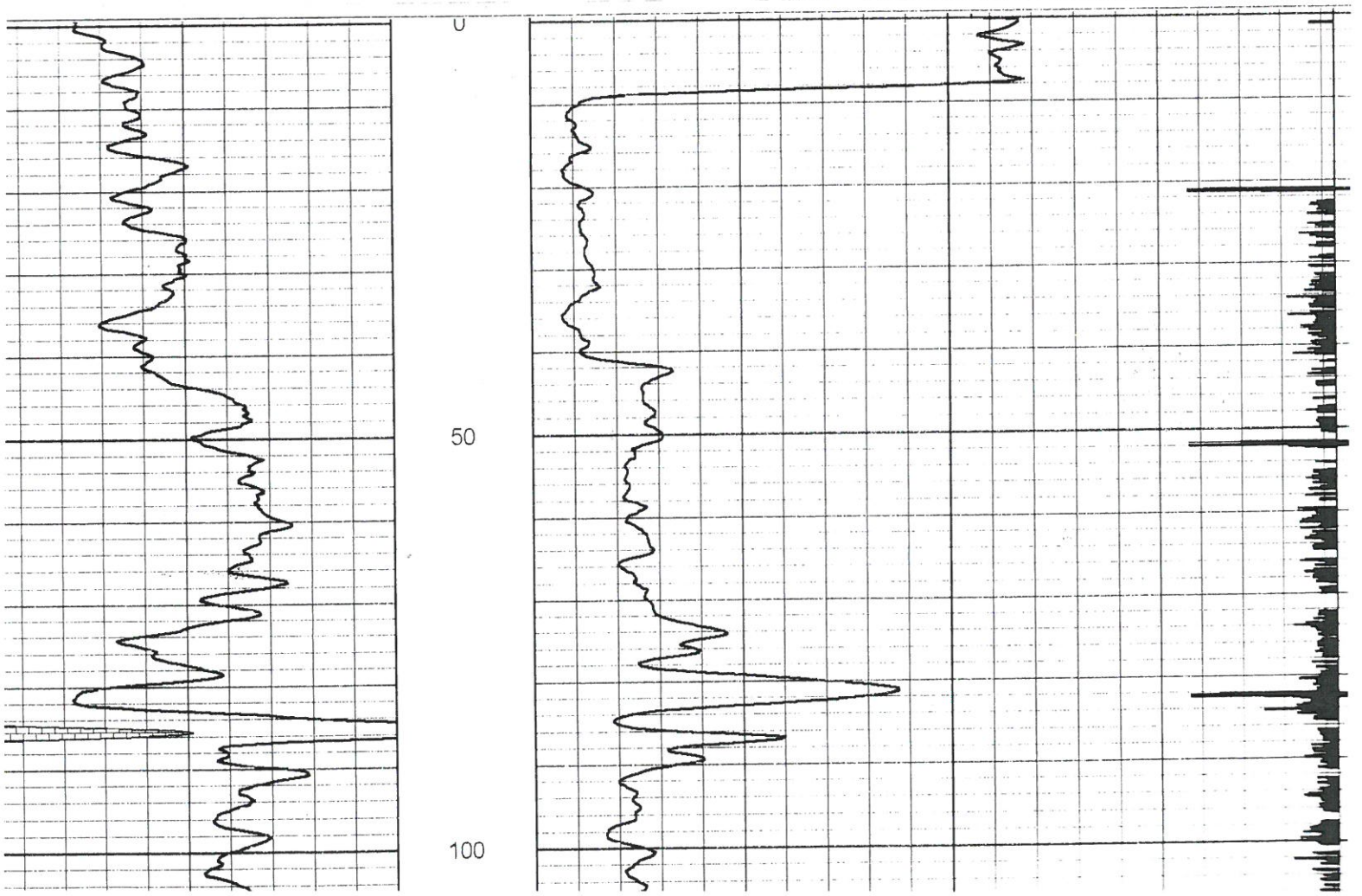
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
			NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

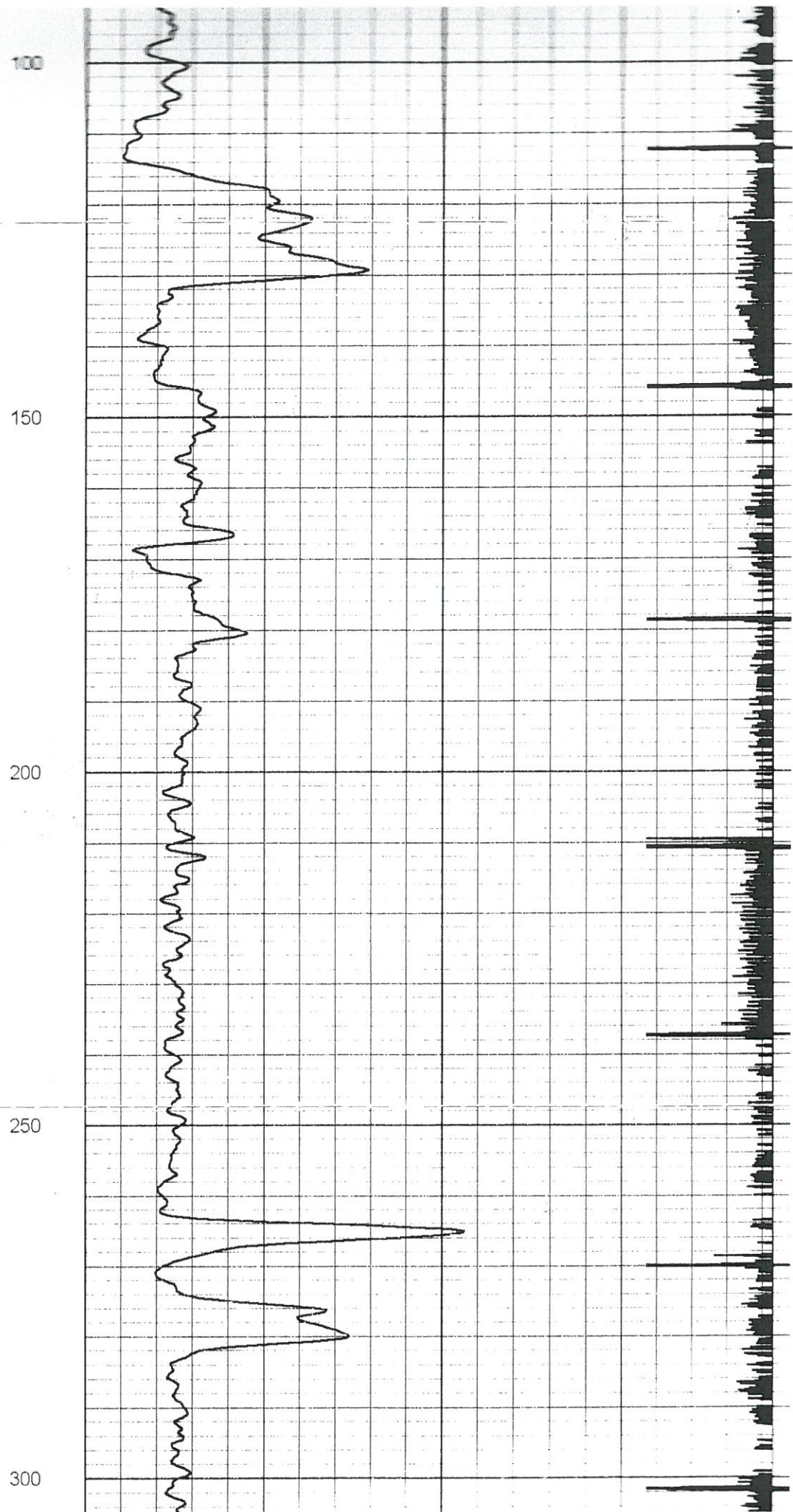
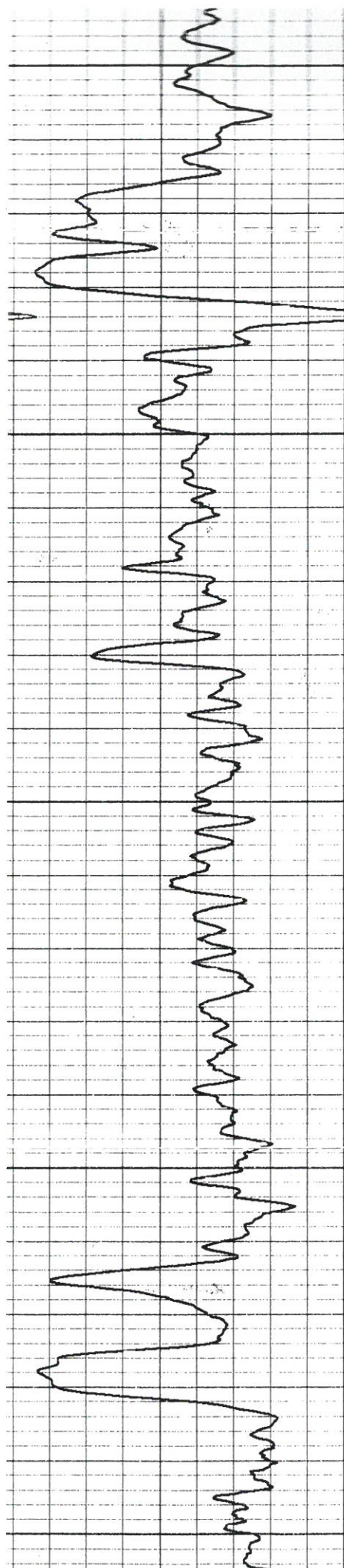


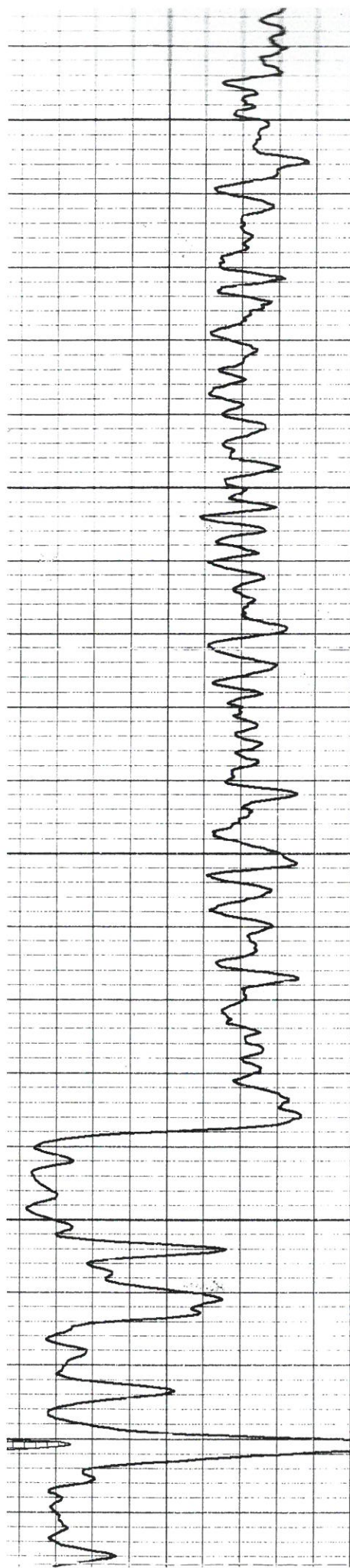
Dataset: rich #5.db: field/well/run1/pass2
 Total Length: 10.92 ft
 Total Weight: 47.50 lb
 O.D. 1.69 in

Database File: rich #5.db
 Dataset Pathname: pass2
 Presentation Format: gr-n-ccl
 Dataset Creation: Tue Jul 08 10:56:44 2014 by Log Std Casedhole 07122
 Charted by: Depth in Feet scaled 1:240

GR	150	100	NEU	1500
gr	300	13	CCL	





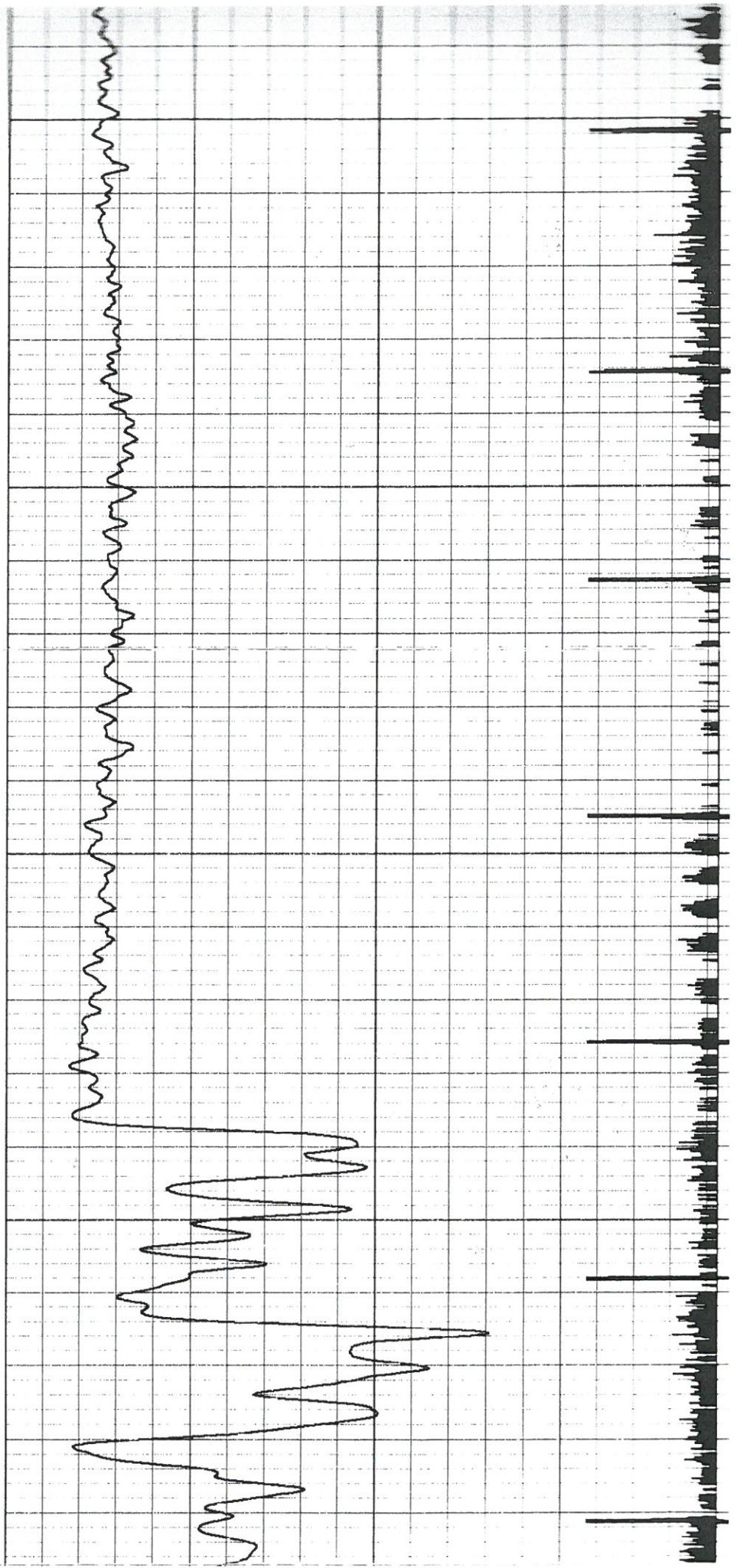


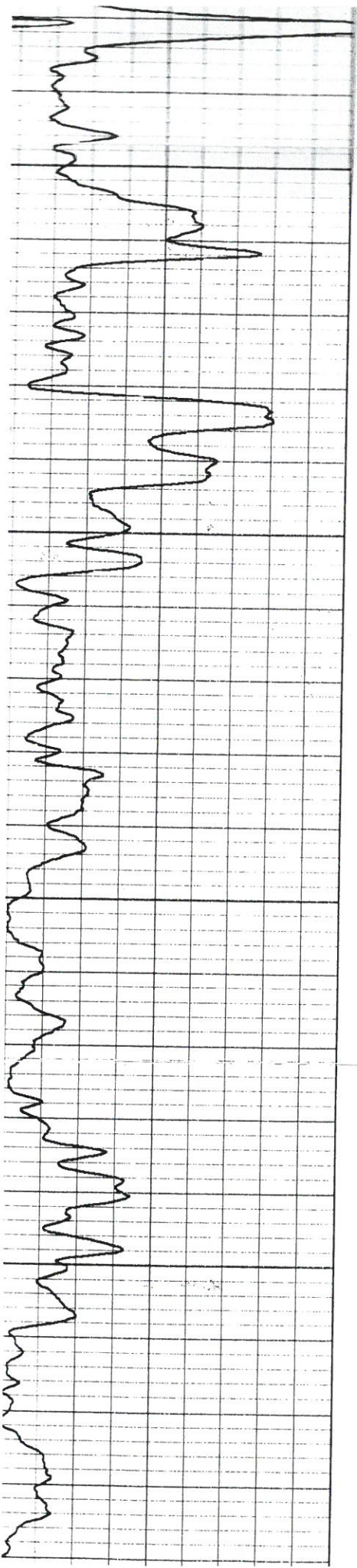
300

350

400

450



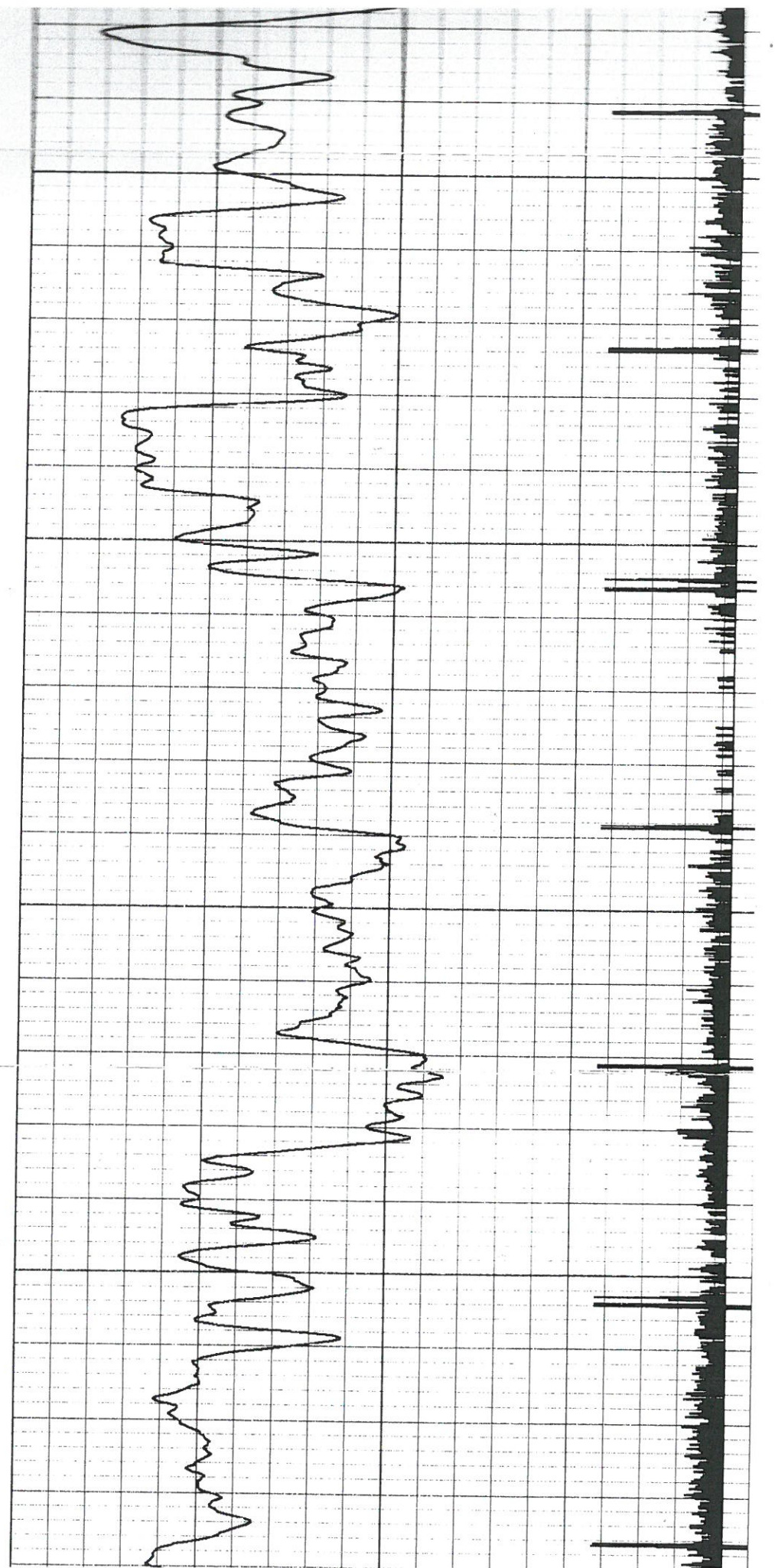


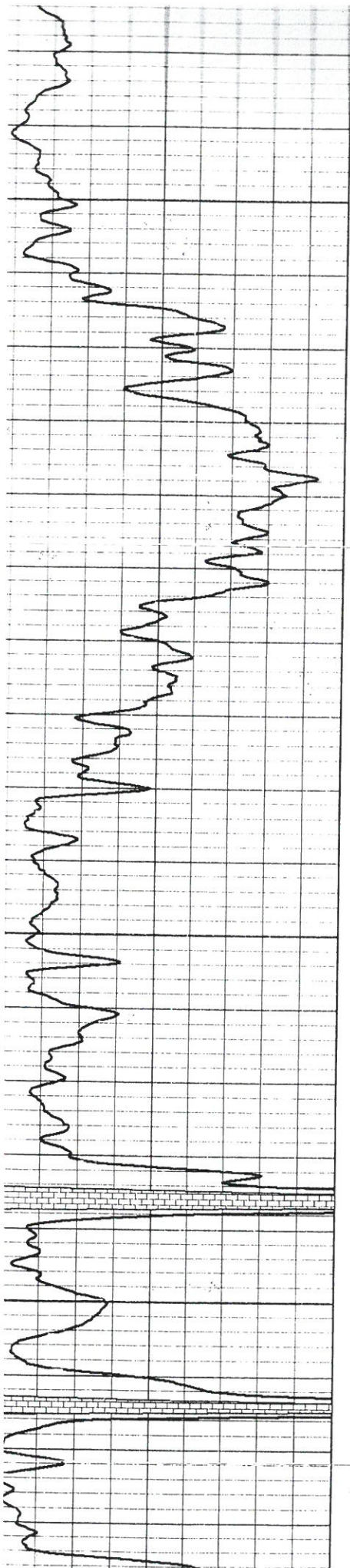
500

550

600

650



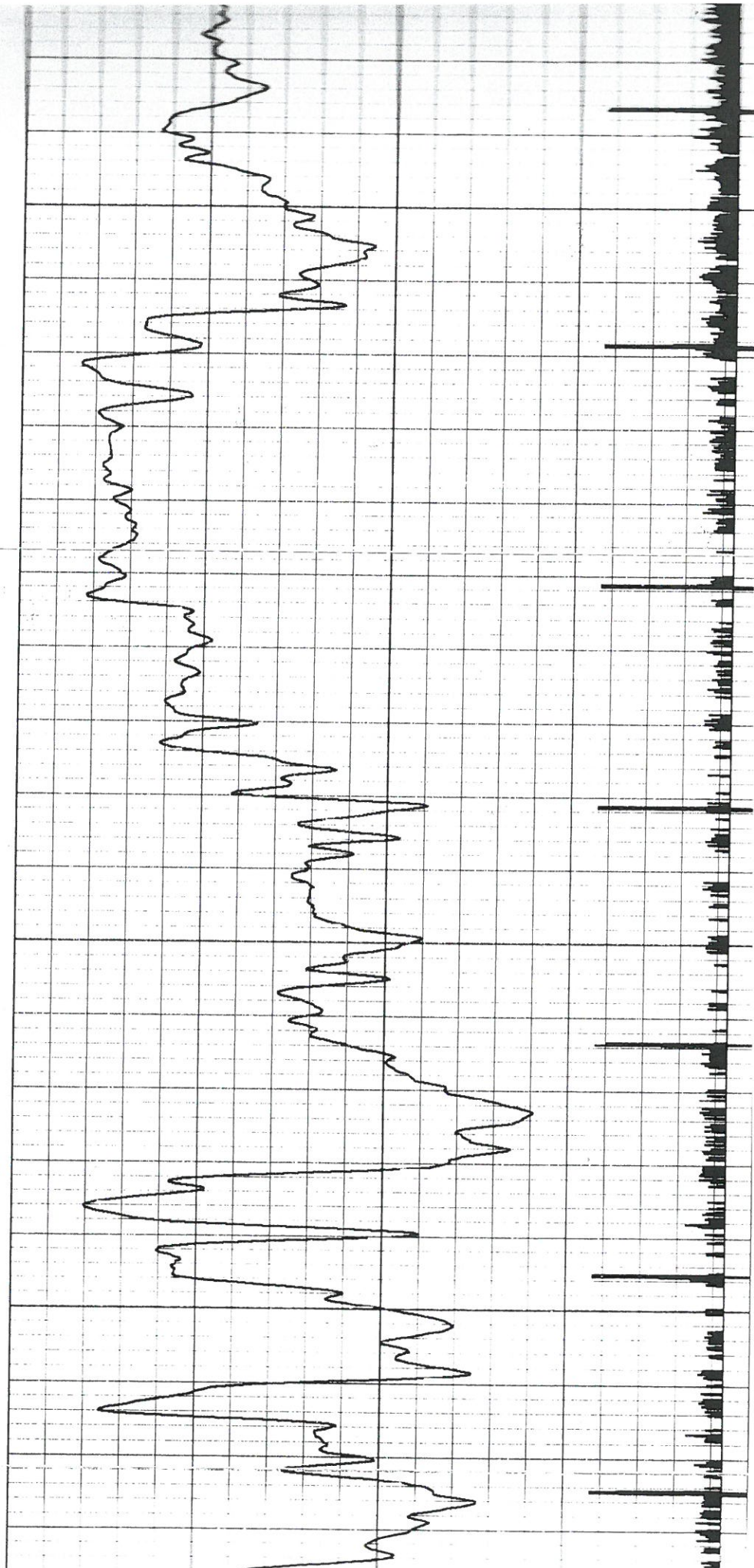


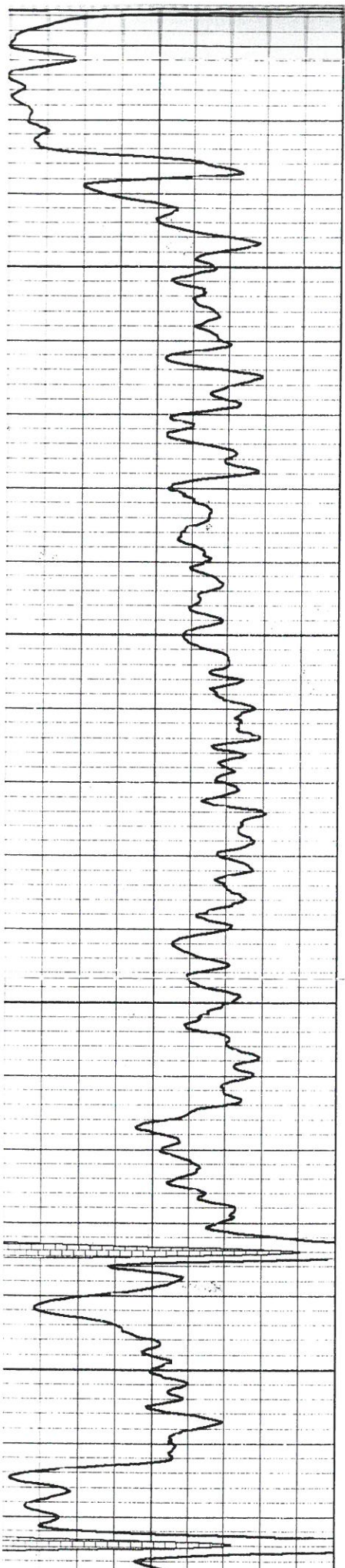
700

750

800

850





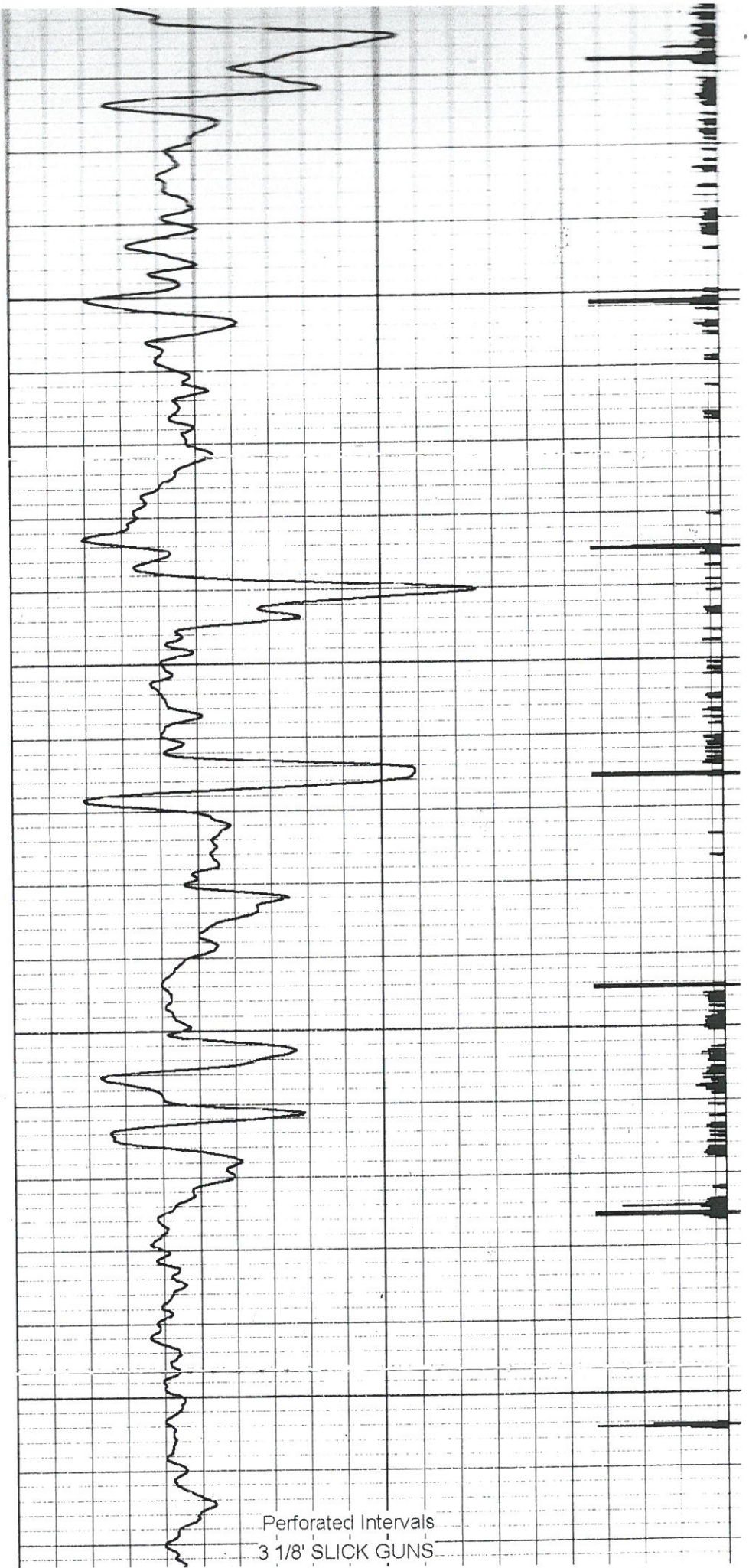
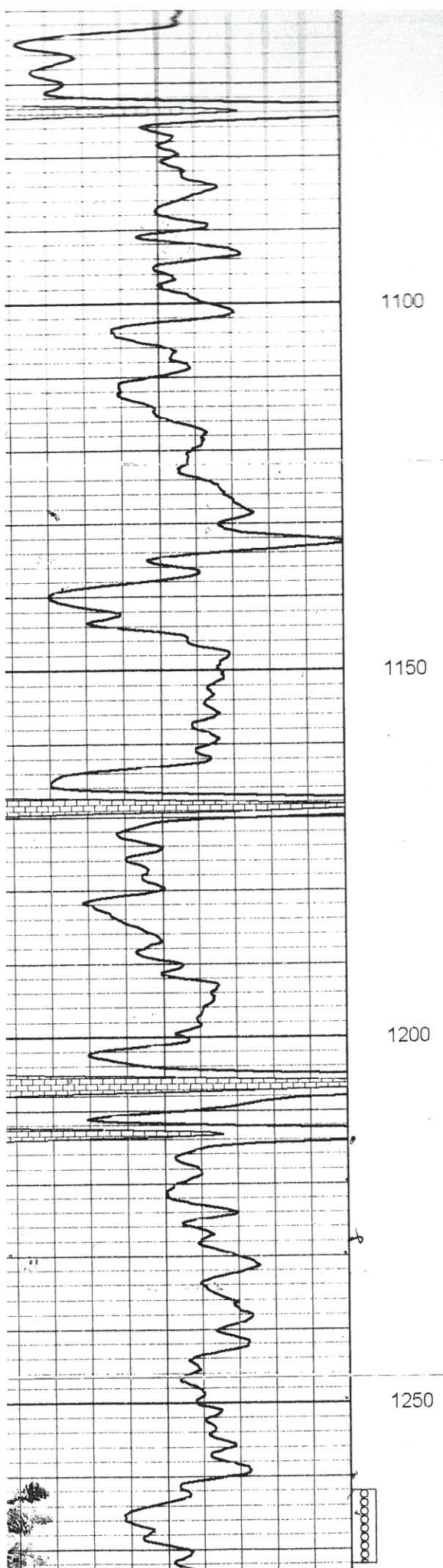
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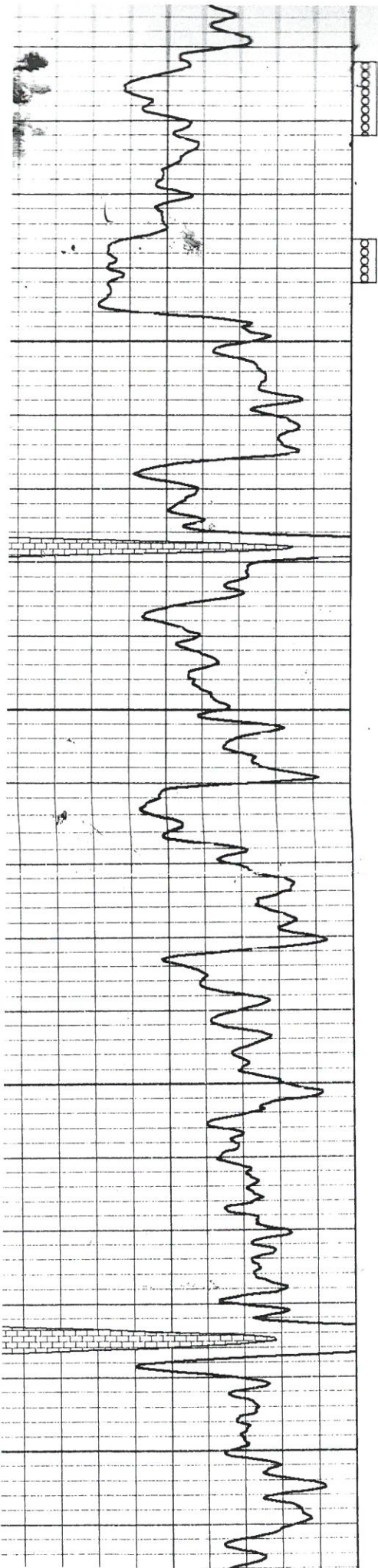
1000

1050





Perforated Intervals
3 1/8" SLICK GUNS



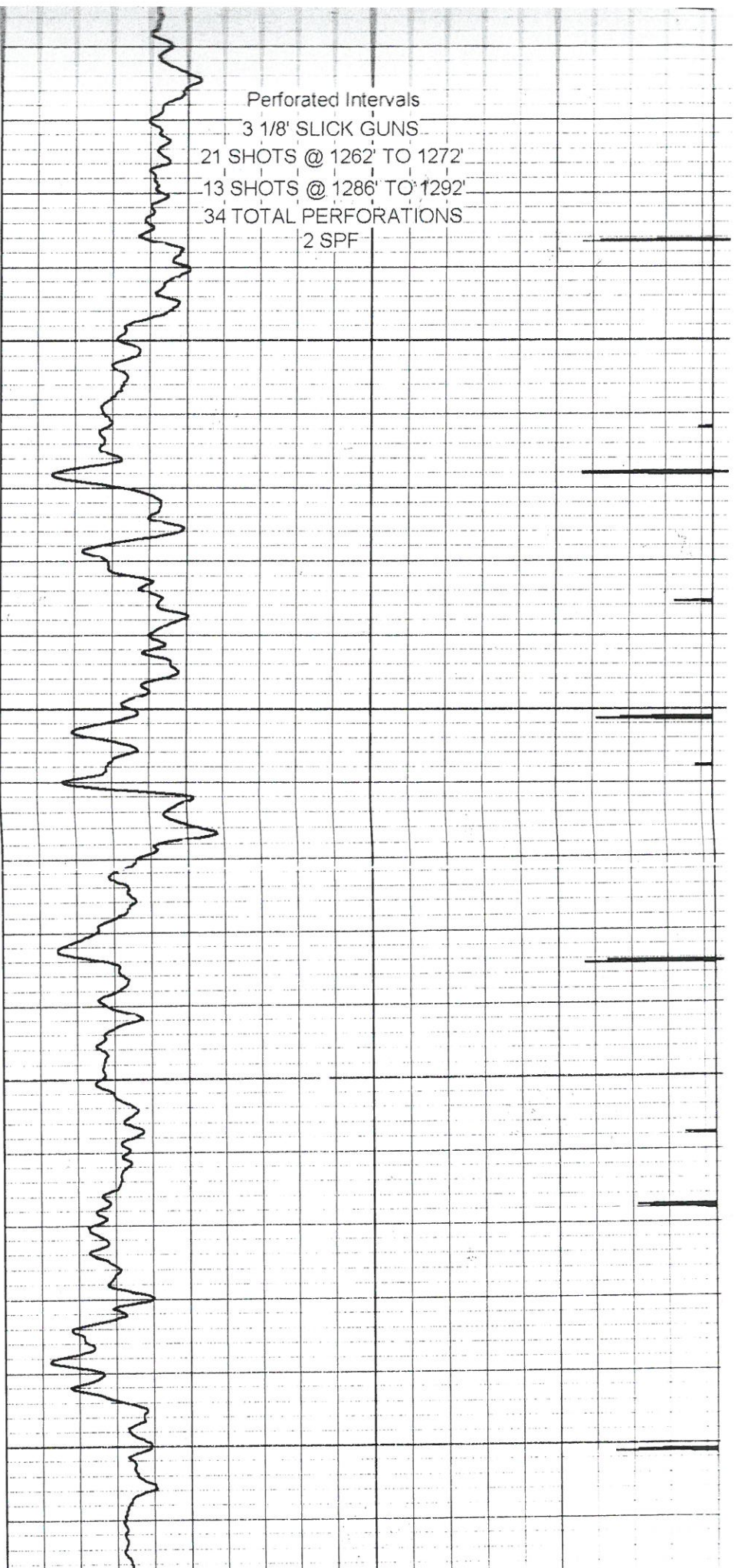
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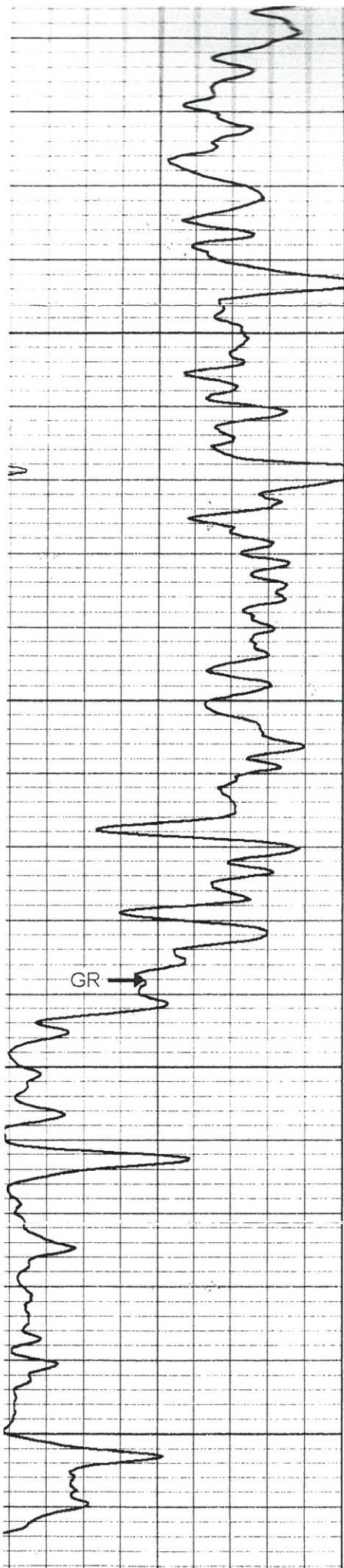
1350

1400

1450

Perforated Intervals
3 1/8" SLICK GUNS
21 SHOTS @ 1262' TO 1272'
13 SHOTS @ 1286' TO 1292'
34 TOTAL PERFORATIONS
2 SPF



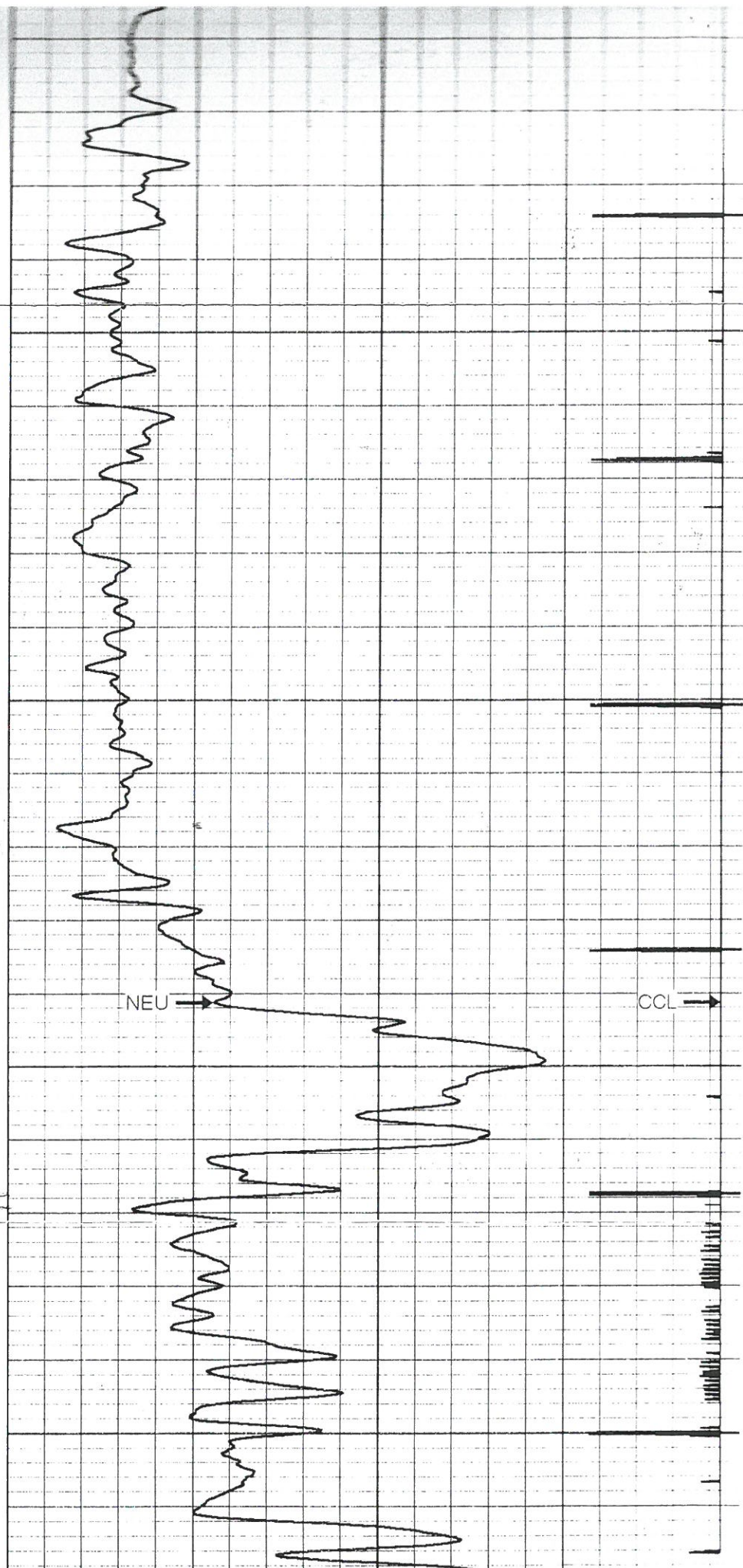


1500

1550

1600

1650



OP: # 30561

RIG 6 DRILLING, CO INCORPORATED

UNITED STATES POST OFFICE BOX NO. 227
IOLA KANSAS, 66749

BUD SIFERS

620 365 9897

COMPANY: Birk Petroleum
ADDRESS: 874 12th rd
Burlington, KS66839

COMMENCED: ##### 6/18/2014
COMPLETED: 6/20/2014

WELL #: 5

LEASE: Rich
COUNTY: CF
LOCATION 330'FSI/2310'FEL
8/23/15e

API#: 15-031-23,879
STATUS: Oil Well
TOTAL DEPTH: 1690'-6 3/4"
CASING: 40'-8 5/8" cmt w/ 20 sx
1689'-4 1/2", Elite cmt

DRILLER'S LOG

2	soil & clay	1595	Sh w/ ls strks
10	Clay (CL)	1623	LS Miss
15	Sa Sh (Hard)	1625	Sa Lsgood odor & show
81	Sh w/ ls strks	1627	Sa Ls fair to good odor
93	Ls	1631	LS lt. brn. lt odor
118	Sh w/ red sh	1690	LS T.D.
264	Sh w/ ls brks		
283	Ls		
439	Sh w/ sa sh		
725	Ls w/ sh brks		
770	Sh		
834	Ls		
839	Sh		
860	Ls		
865	Sh		
888	Ls		
1040	Sh		
1074	Ls		
1137	Sh		
1142	Ls w/ sh strks		
1230	Sh w/ ls strks		
1255	SA Fair odor		
1267	Sa good odor		



WIRELINE
SERVICES, INC.
CHANUTE, KANSAS

GAMMA RAY
NEUTRON
COMPLETION LOG

Company BIRK PETROLEUM
Well RICH #6
Field EVANS NORTH
County COFFEY
State KANSAS

Company BIRK PETROLEUM

Well RICH #6

Field EVANS NORTH

County COFFEY State KANSAS

Location: API #: 15-031-23880-00-00 Other Services

990' FSL & 2310' FEL
NW SW SE
SEC 8 TWP 23S RGE 15E

Elevation

Permanent Datum G.L. Elevation 1135EST
Log Measured From G.L.
Drilling Measured From G.L.

Date 7-8-2014

Run Number 1-NEW WELL

Depth Driller 1650'

Depth Logger 1626.8'

Top Log Interval SURFACE

Bottom Logged Interval 1626.8'

Fluid Level FULL

Type Fluid WATER

Production Casing 4.5" @ 1646'

Max. Recorded Temp. @

Estimated Cement Top @

Calculated Cement Top @

Amount & Type Cement

Amount & Type Admix

Drilling Contractor RIG 6

Equipment Number 107

Location

Recorded By UDEN, D.



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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
--------	-------------	-----------	-------------	----------	---------	---------

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
			NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

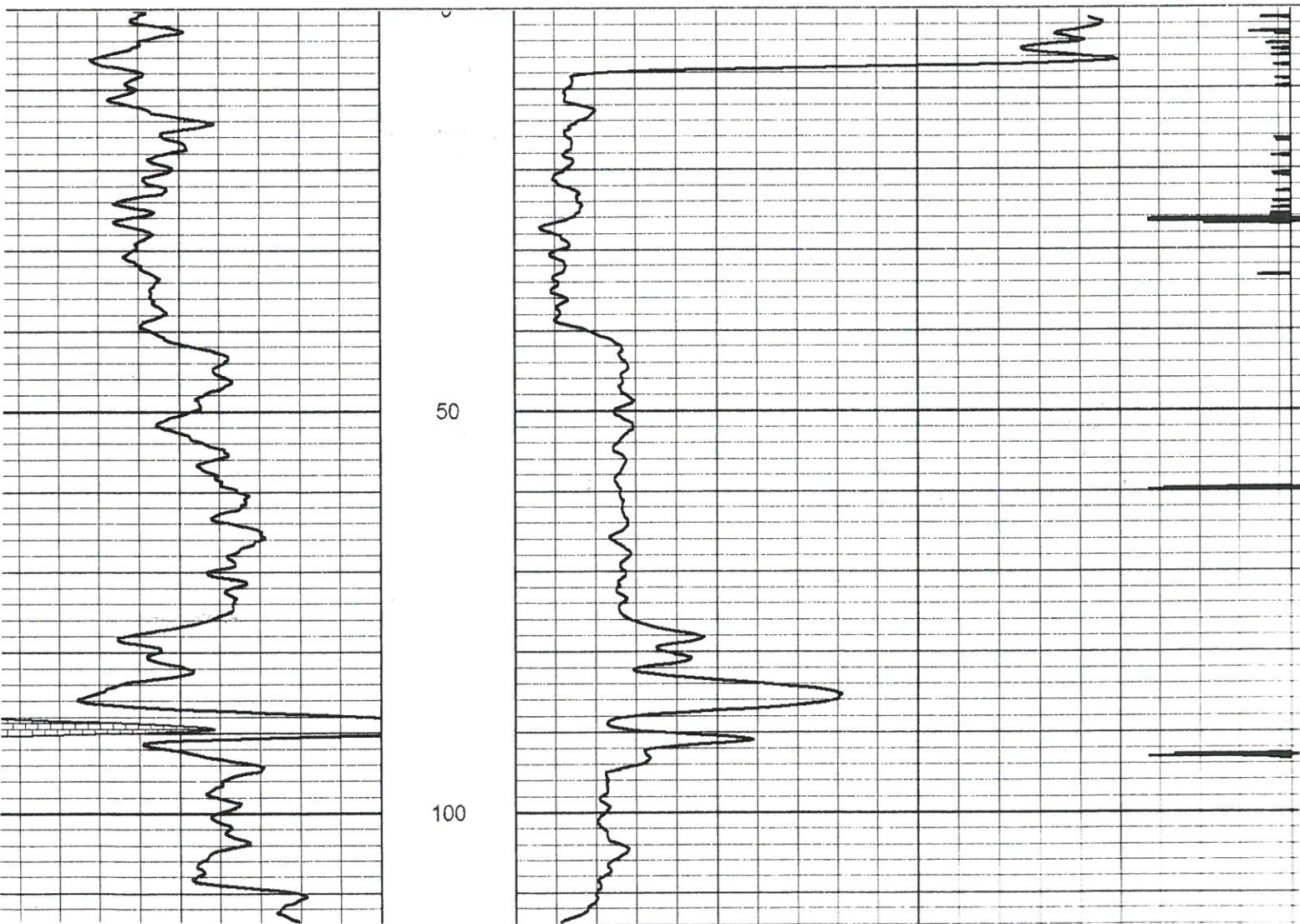
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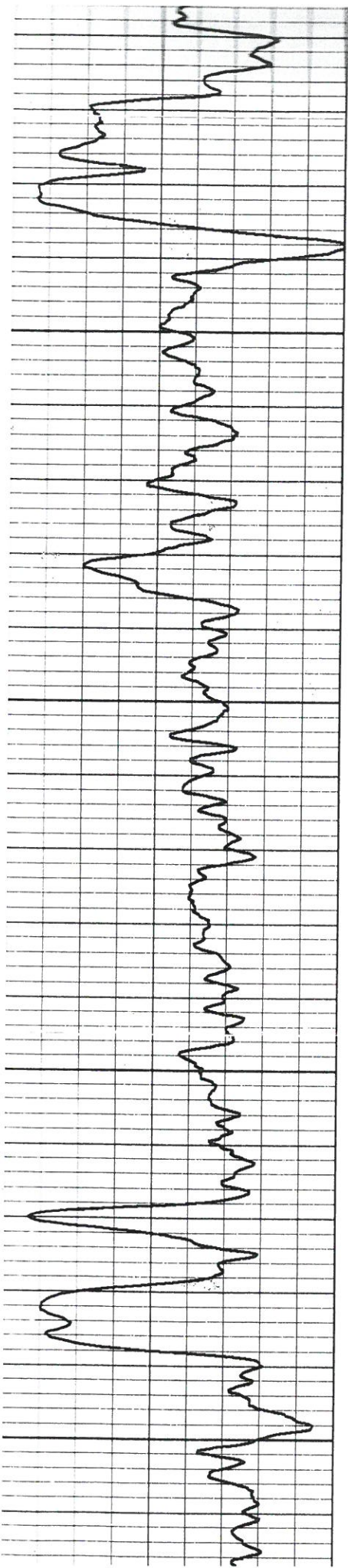
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Total Length: 10.92 ft
Total Weight: 47.50 lb
O.D.: 1.69 in

Database File: e:\rich #6.db
Dataset Pathname: pass2
Presentation Format: gr-n-ccl
Dataset Creation: Tue Jul 08 13:10:11 2014 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

GR	150	100	NEU	1500
0	gr	300	13	CCL



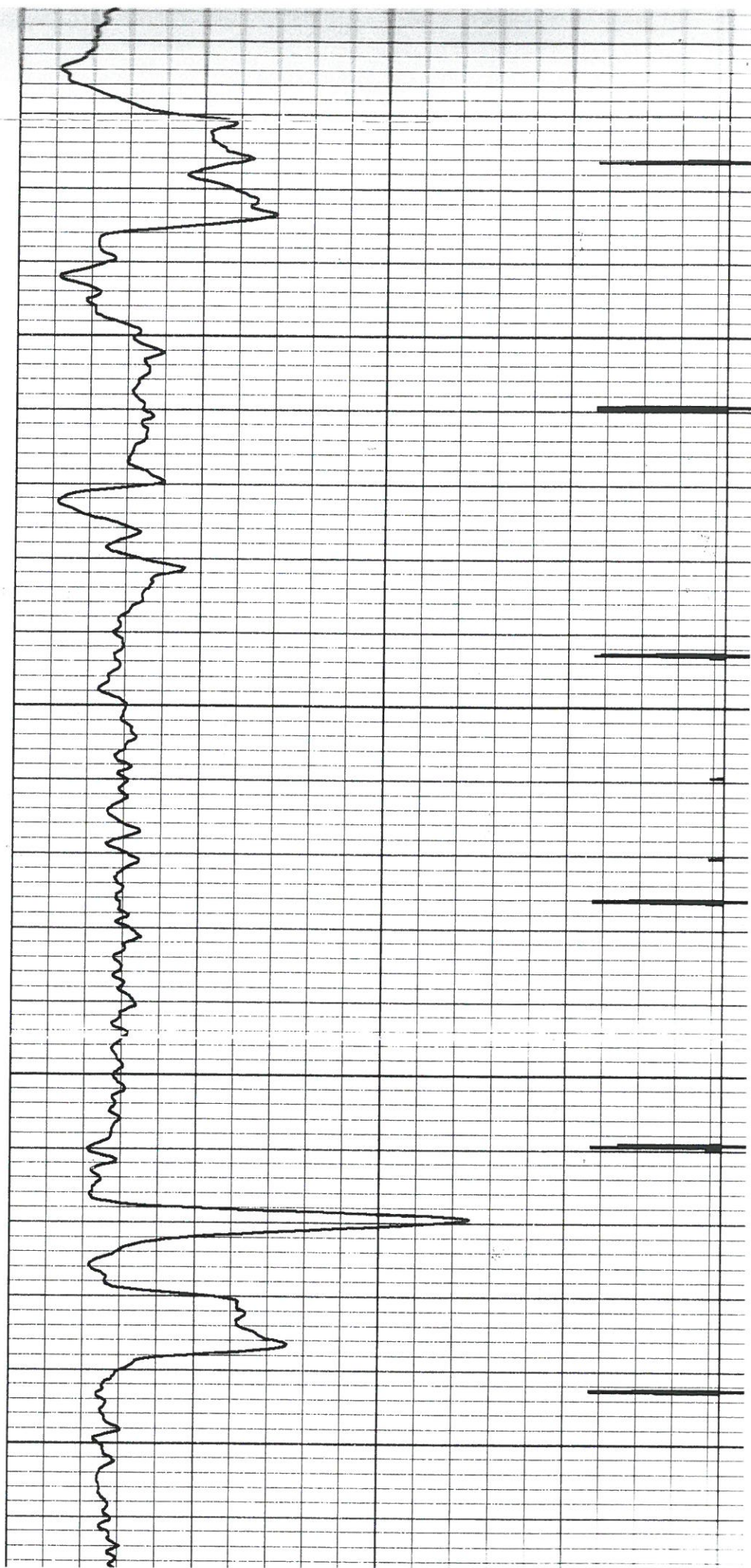


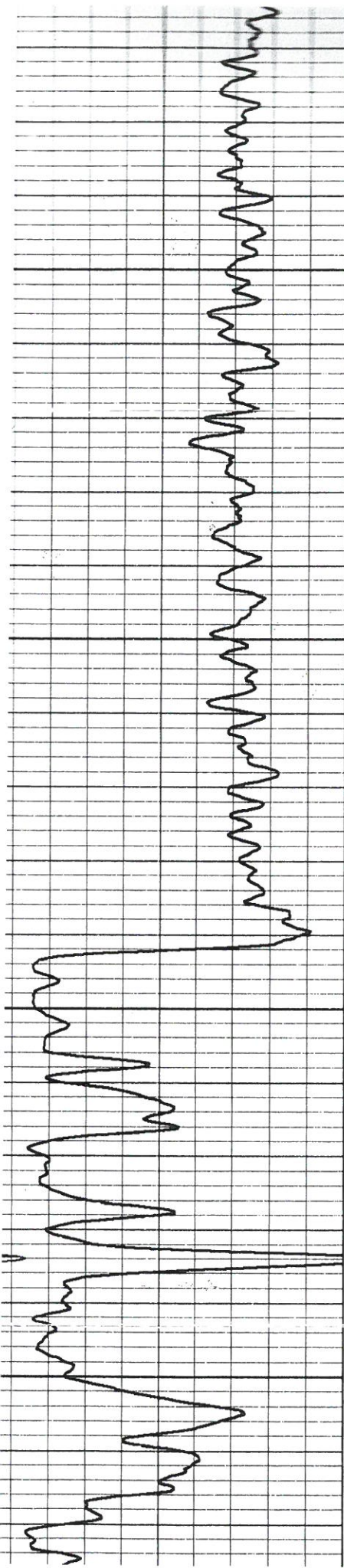
150

200

250

300



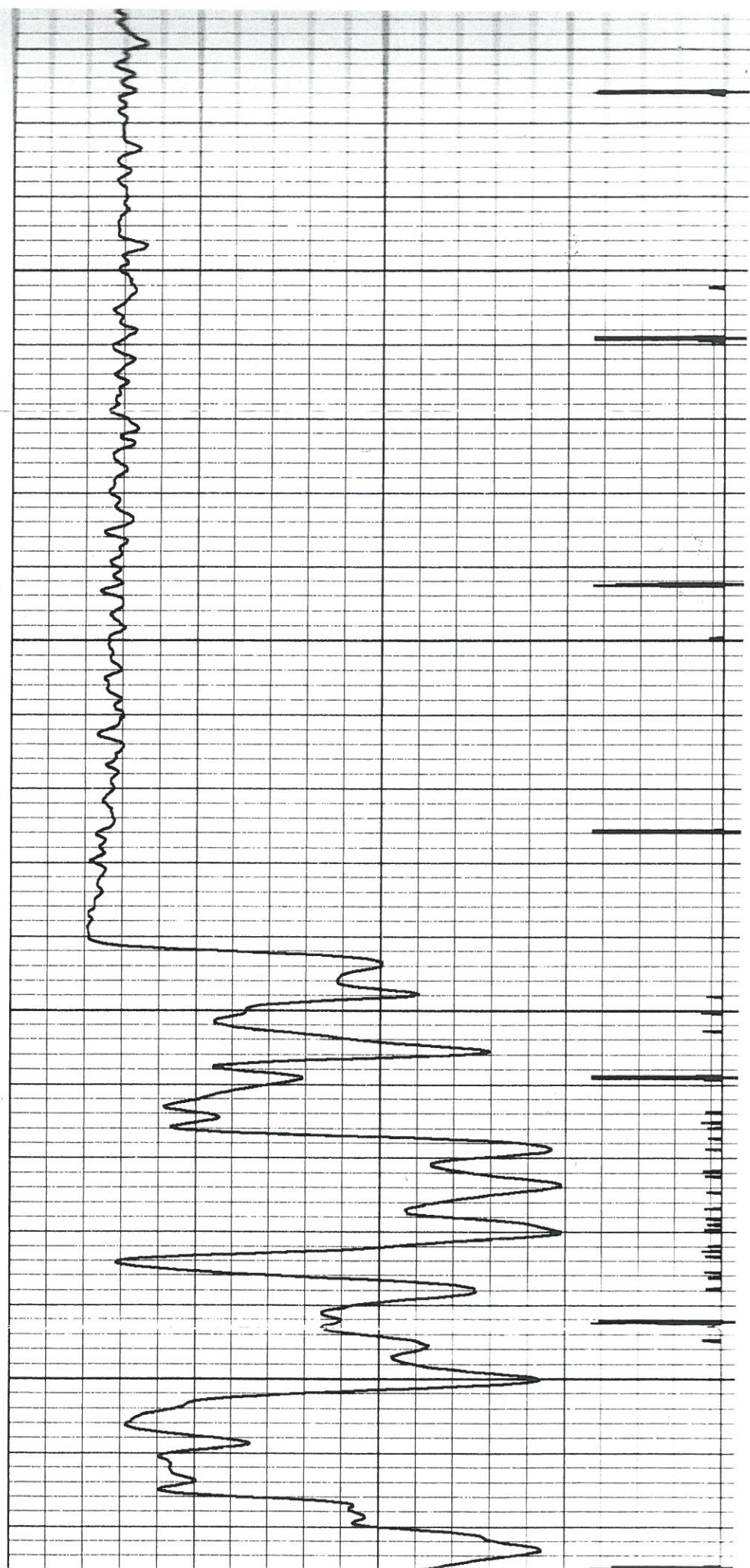


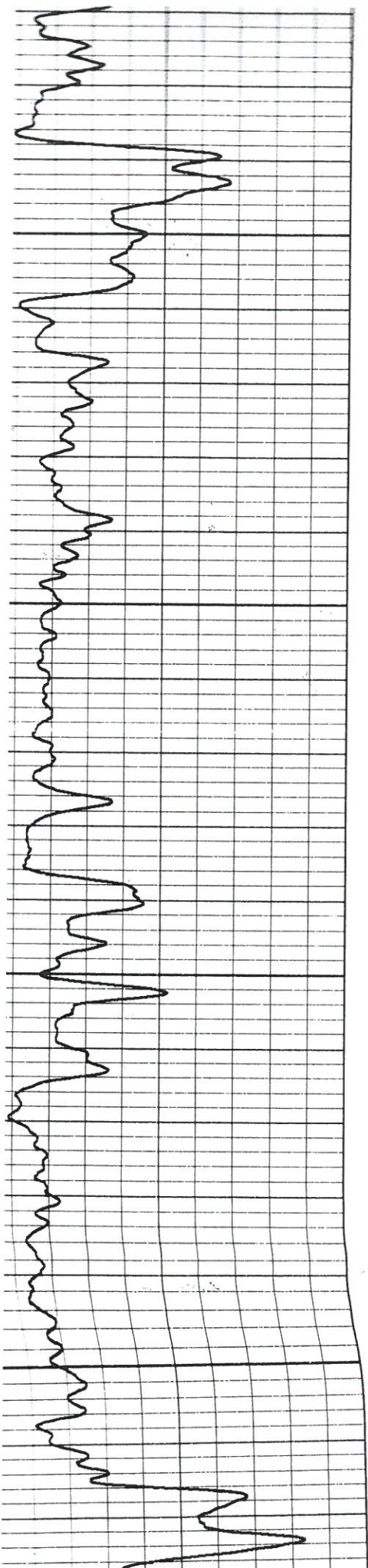
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400

450

500



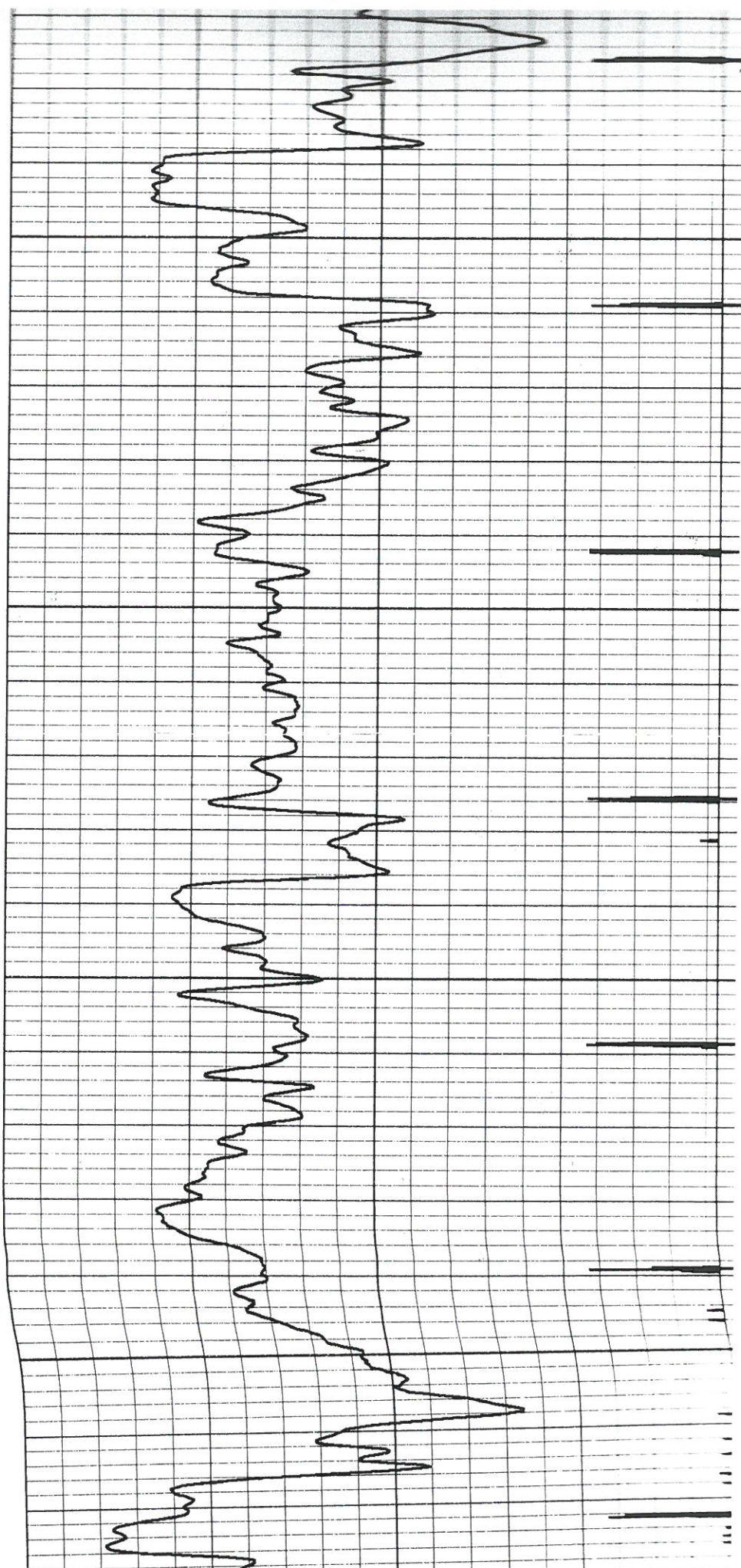


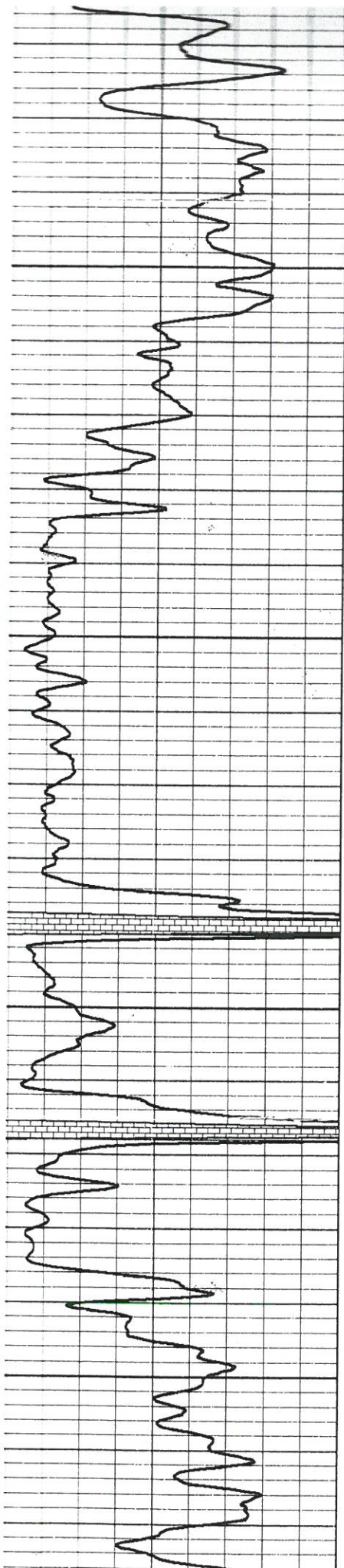
550

600

650

700



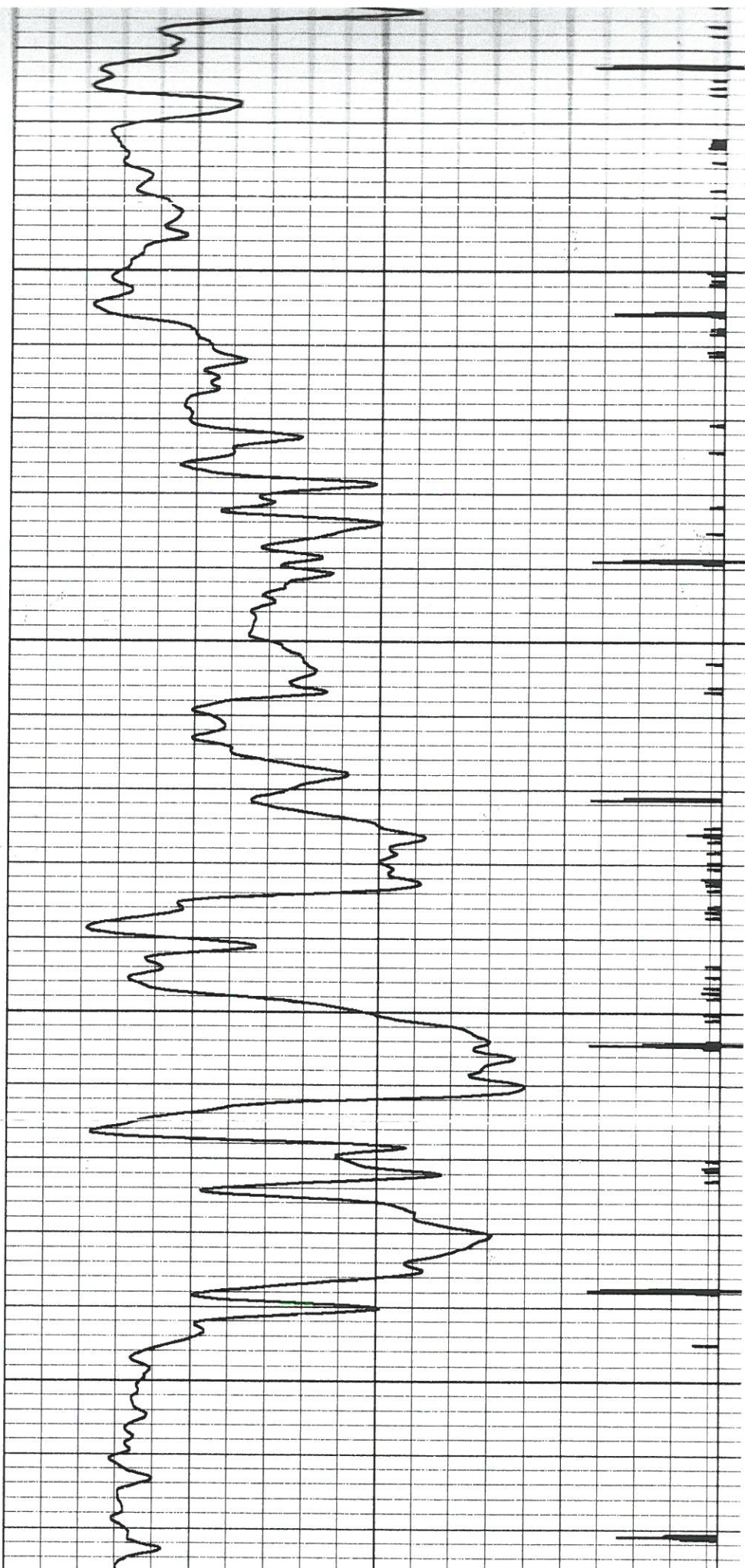


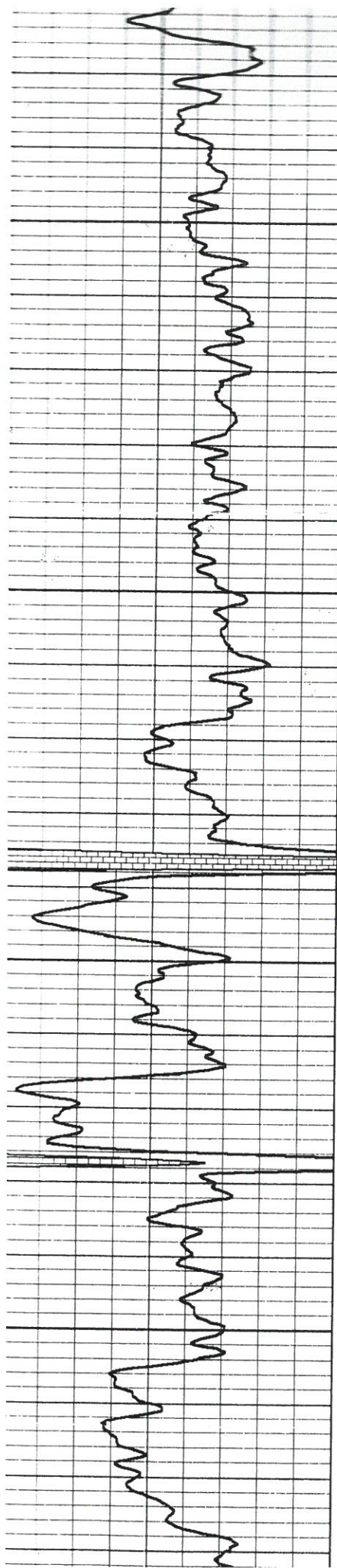
750

800

850

900



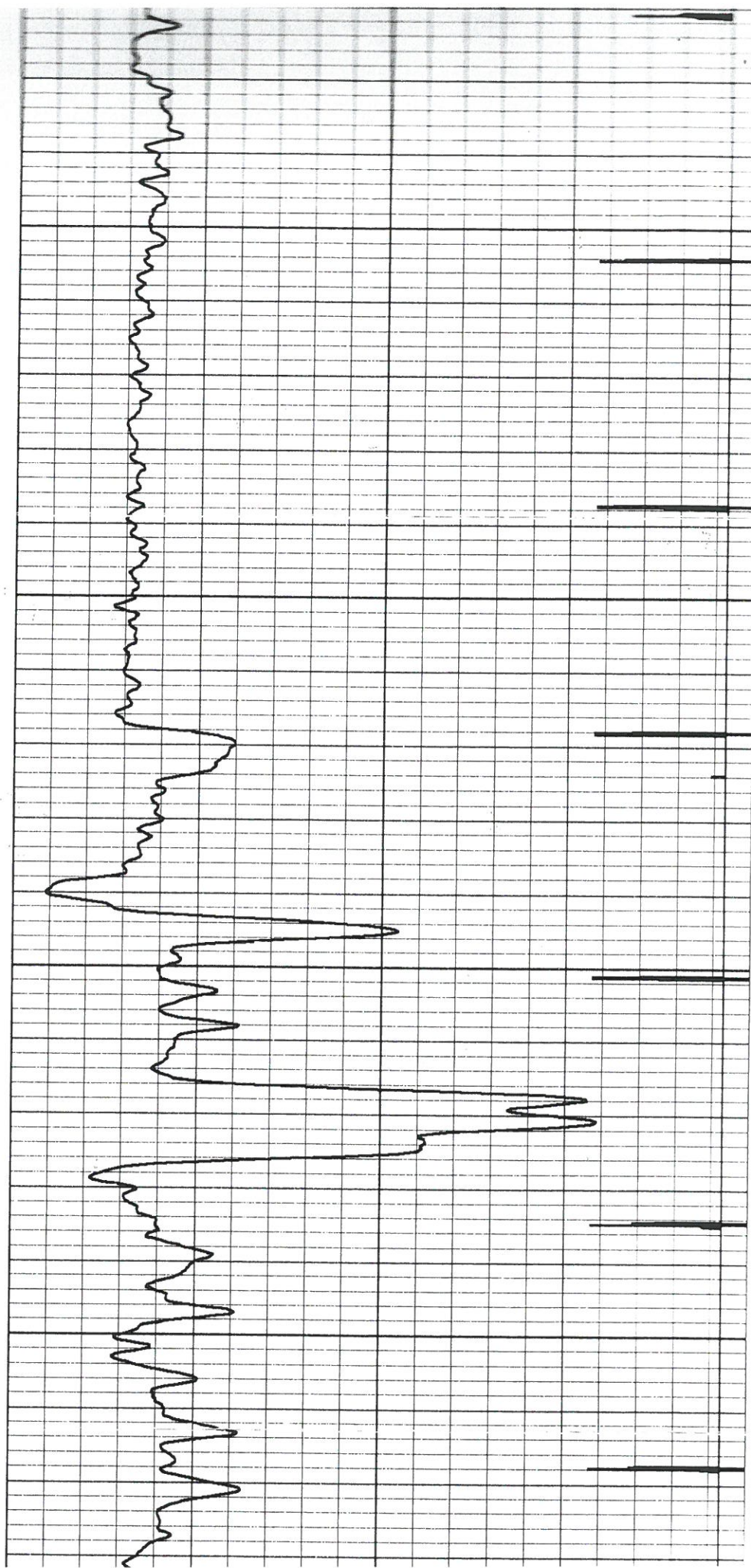


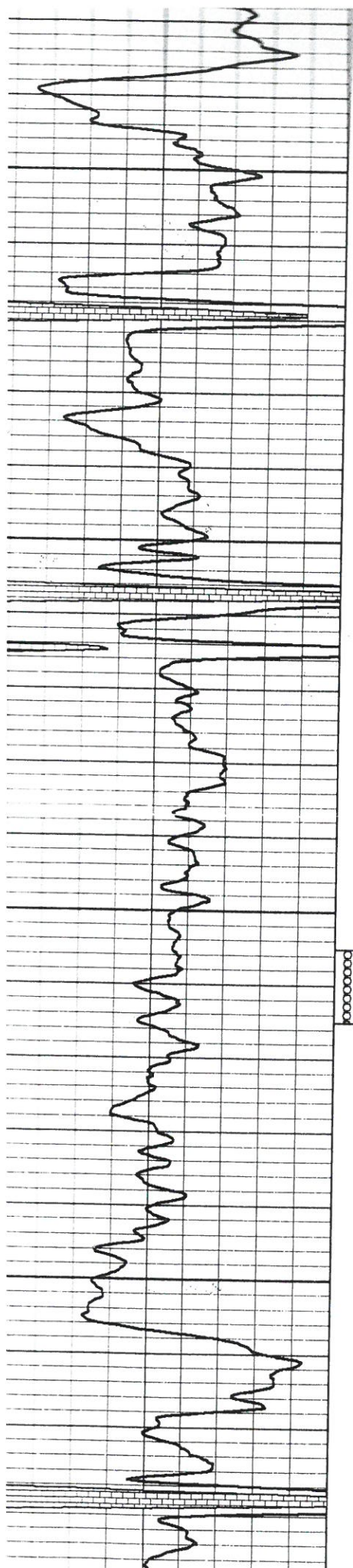
950

1000

1050

1100





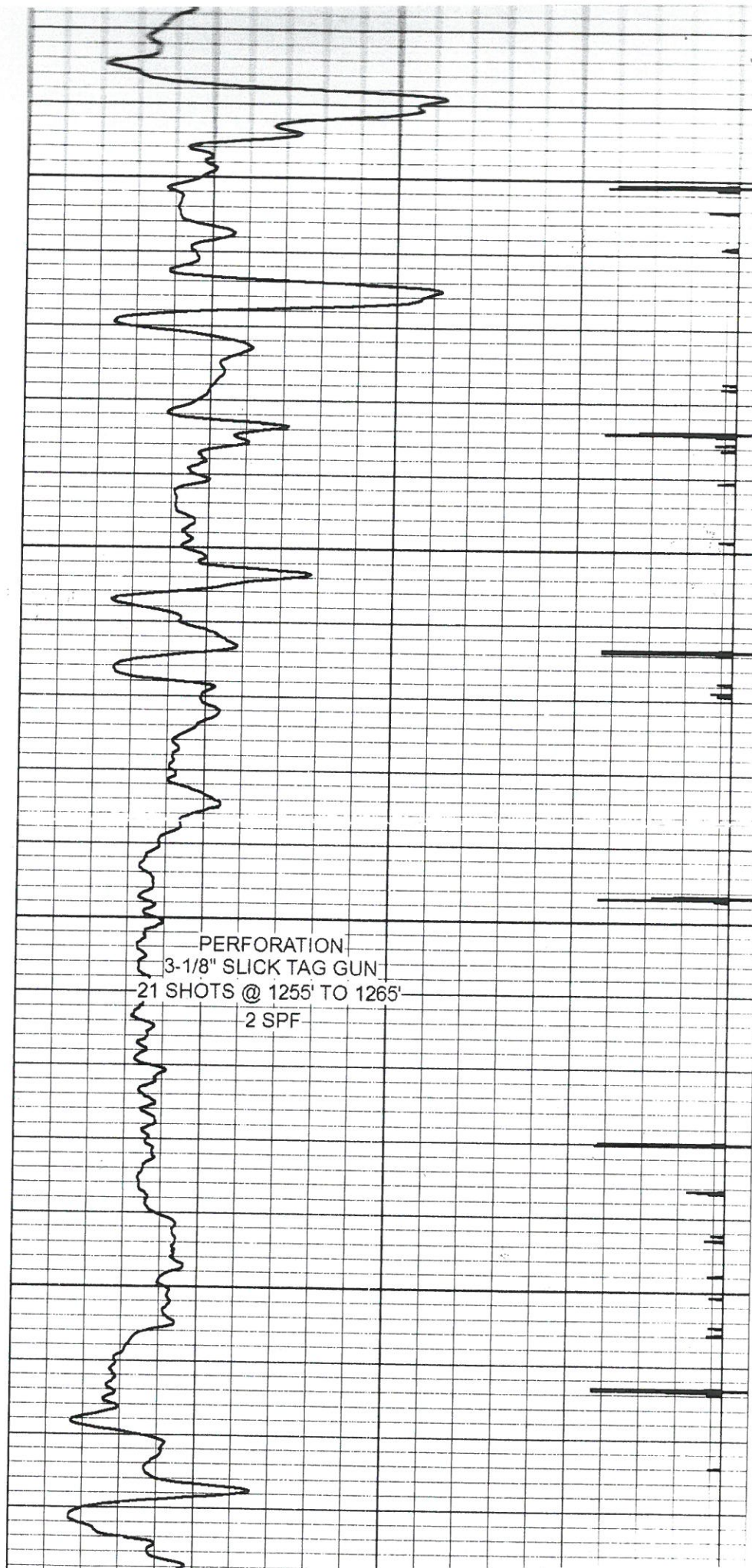
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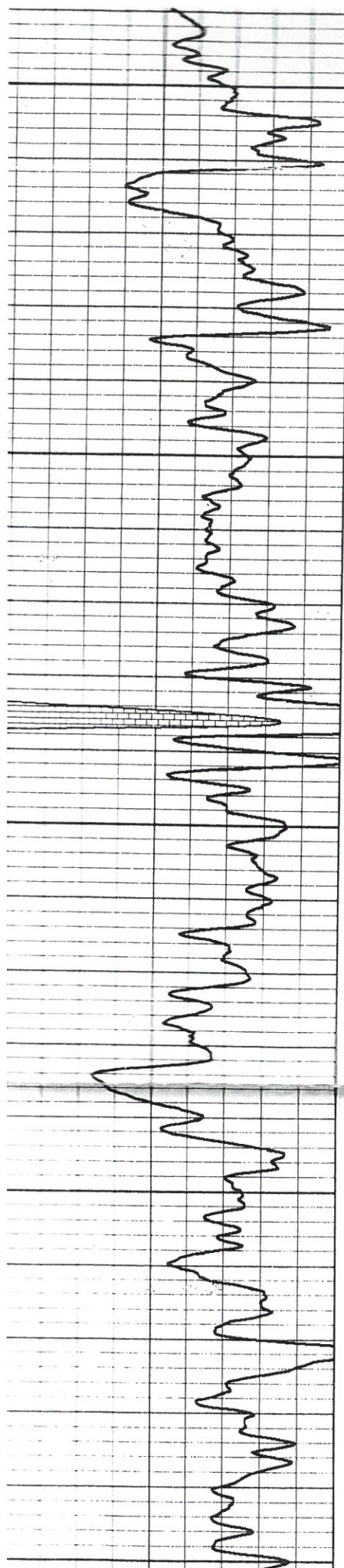
1200

1250

1300

PERFORATION
3-1/8" SLICK TAG GUN
21 SHOTS @ 1255' TO 1265'
2 SPF





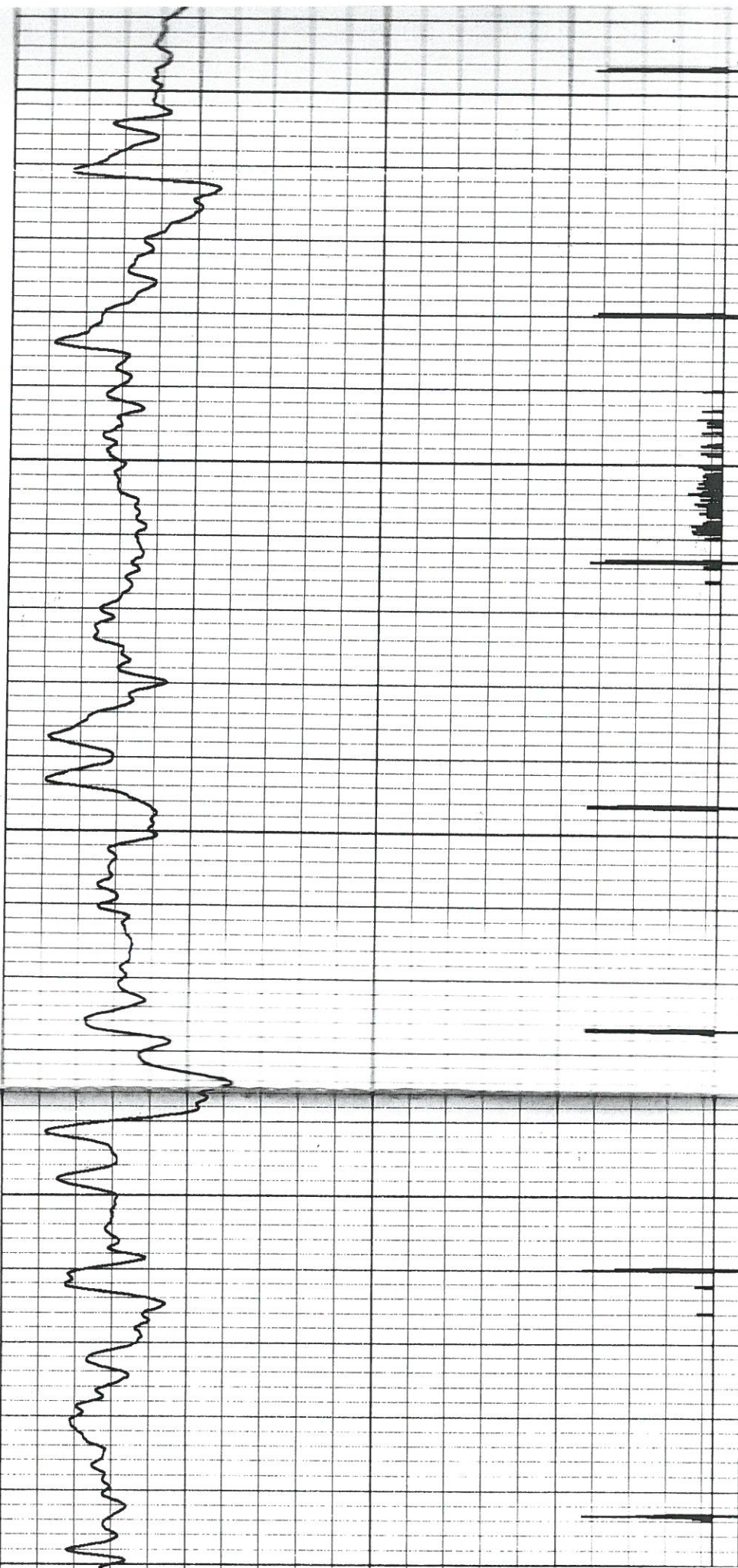
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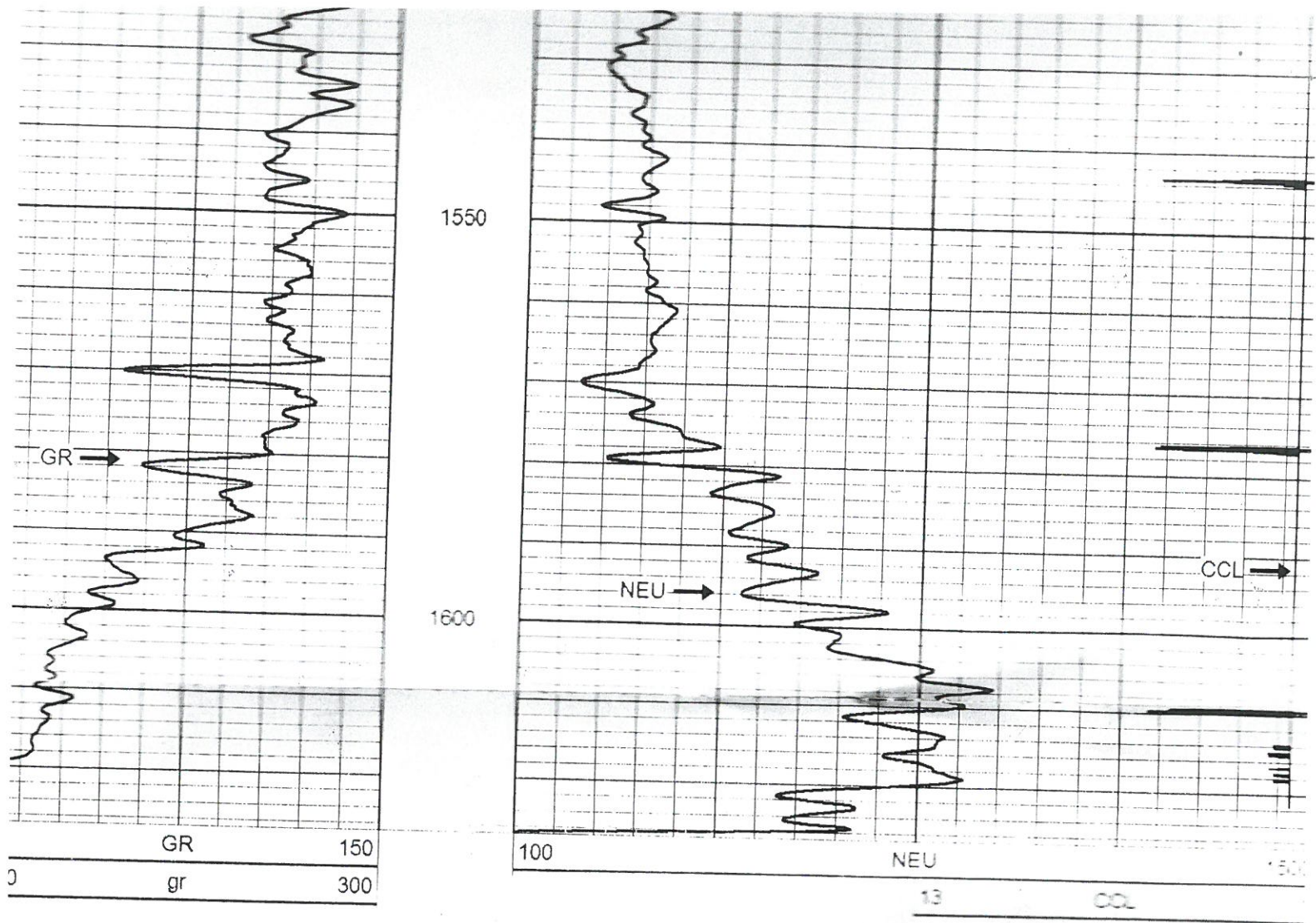
1400

1450

1500

1550





CORNISH
 WIRELINE
 SERVICES, INC.
 CHANUTE, KANSAS

Company	BIRK PETROLEUM
Well	RICH #6
Field	EVANS NORTH
County	COFFEY SEC. 8 TWP. 23S RGE 15E
State	KANSAS
Date	7-8-2014

RIG 6 DRILLING, CO INCORPORATED

UNITED STATES POST OFFICE BOX NO. 227
IOLA KANSAS, 66749

BUD SIFERS

620 365 9897

COMPANY: Birk Petroleum
ADDRESS: 874 12th rd
Burlington, KS66839

COMMENCED: ##### 6/24/2014
COMPLETED: 6/26/2014

WELL #: 6 6

LEASE: Rich
COUNTY: CF
LOCATION 990' fsl/2310' FEL
8/23/15e

API#: 15-031-23,880
STATUS: Oil Well
TOTAL DEPTH: 1650'-6 3/4"
CASING: 40'-8 5/8" cmt w/ 20 sx
1646'-4 1/2" Elite CMT

DRILLER'S LOG

2	soil & clay	1164	Sh blk
5	Sa (Sandstone)	1180	Sh
6	Sa Sh (Hard)	1184	LS
88	Sh w/ ls strks	1205	Sh
98	Ls	1207	LS
122	Sh w/ red sh	1214	SH w/ sa sh
139	Sa ls	1217	LS
445	Sh w/ sa sh	1220	Sh blk
670	Ls w/ sh strks	1248	Sa w/ sh NO/NS
706	Sh	1277	Sa good show
718	Ls	1287	Sh w/ sa lt odor
779	Sh w/ red sh	1292	Sh
835	LS	1312	Sa w/ sh
842	Sh blk	1330	Sa blk, lt odor
863	LS	1342	Sh w// sa
869	Co	1571	Sh
889	Ls	1573	Co w/ blk sh
1045	Sh	1577	Sh
1074	LS	1579	Co w/ blk sh
1129	Sh	1583	Sh
1134	LS	1650	Ls T.D.
1144	Sh blk		
1160	Ls		



GAMMA RAY
NEUTRON
COMPLETION LOG

Company	BIRK PETROLEUM	Location:	API # : 15-031-23920-00-00	Other Services
Well	RICH # 7	Permanent Datum	SEC 8 TWP 23S RGE 15E	
Field	EVANS NORTH	Log Measured From	SW-SE-SE	
County	COFFEY	Drilling Measured From	330' FSL & 990' FEL	
State	KANSAS			
Date	7-8-2014			
Run Number	1-NEW WELL			
Depth Driller				
Depth Logger	1602.9'			
Top Log Interval	SURFACE			
Bottom Logged Interval	1602.9'			
Fluid Level	FULL			
Type Fluid	WATER			
Production Casing	4.5' @ T.D.			@
Max. Recorded Temp.				
Estimated Cement Top				
Calculated Cement Top				
Mount & Type Cement				
Mount & Type Admix				
Drilling Contractor	RIG 6			
Equipment Number	107			
Location				
Recorded By	UDEN, D.			


<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU

Sensor	Offset (ft)	Schematic	Description	Len (ft)	CD (in)	Wt (lb)

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
			NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

NEU

0.63

Dataset: rich #7.db: field/well/run1/pass1
Total Length: 10.92 ft
Total Weight: 47.50 lb
O.D.: 1.69 in

Database File: rich #7.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Tue Jul 08 09:33:12 2014 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

GR 150

gr 300

100

NEU

1500

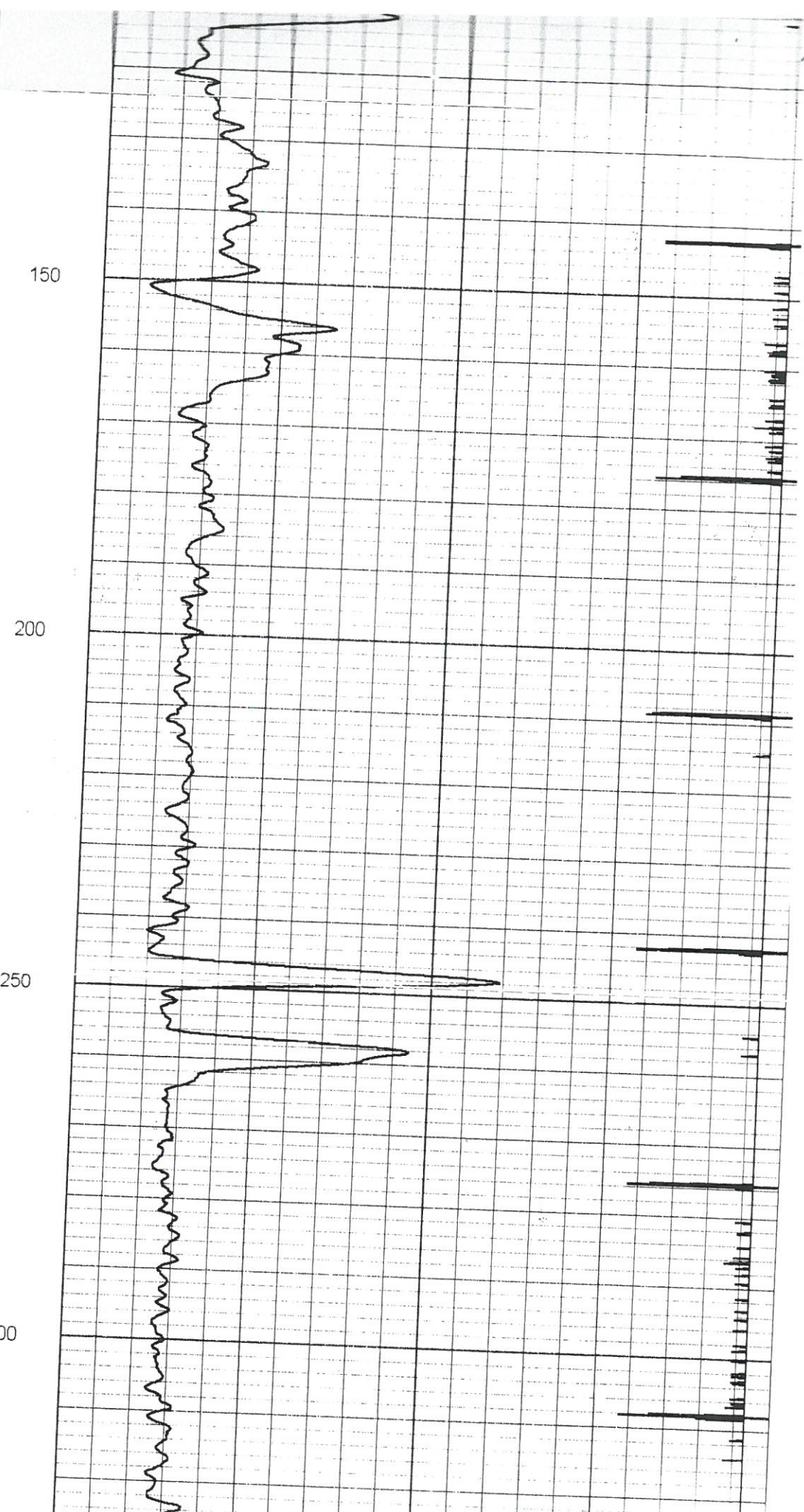
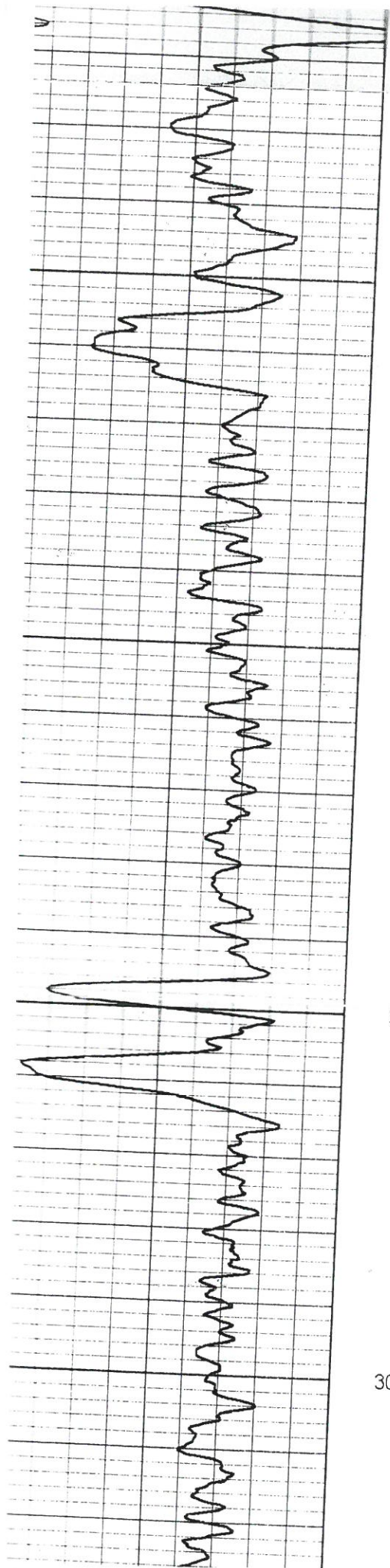
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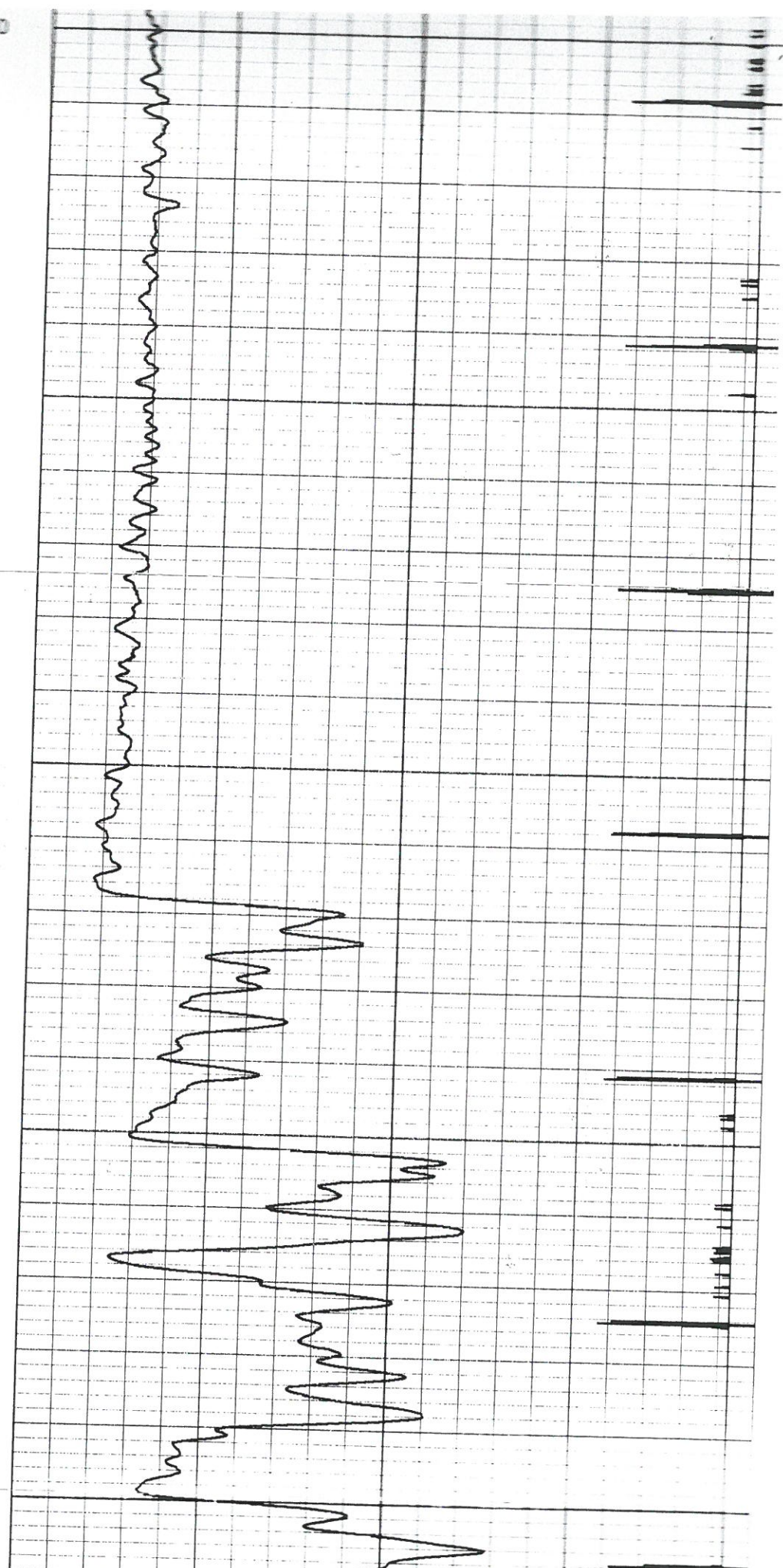
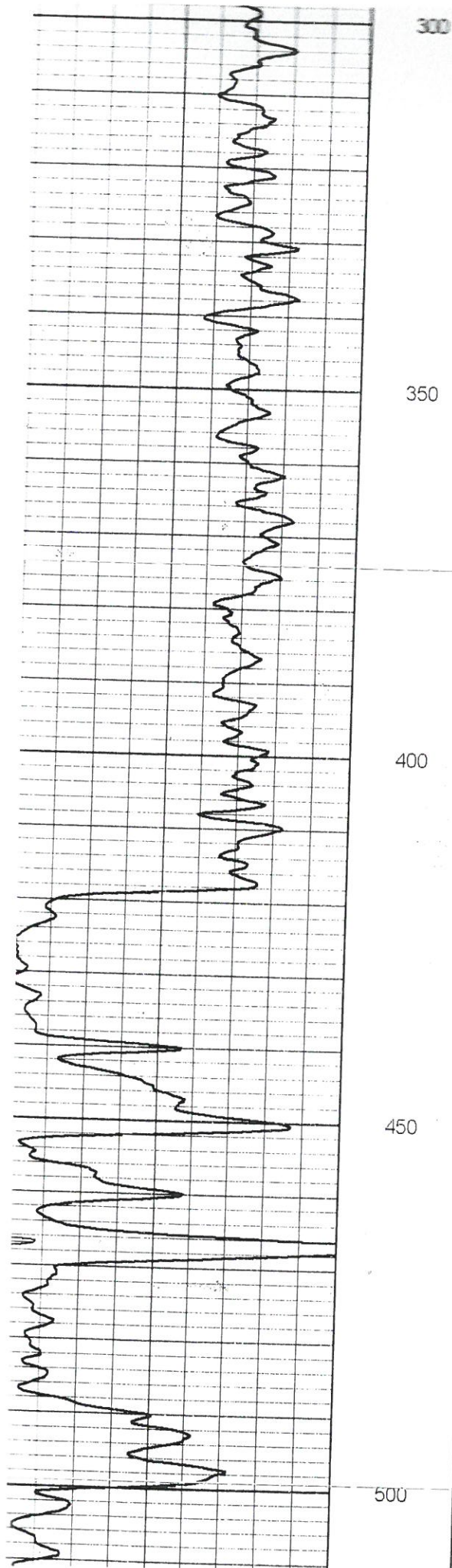
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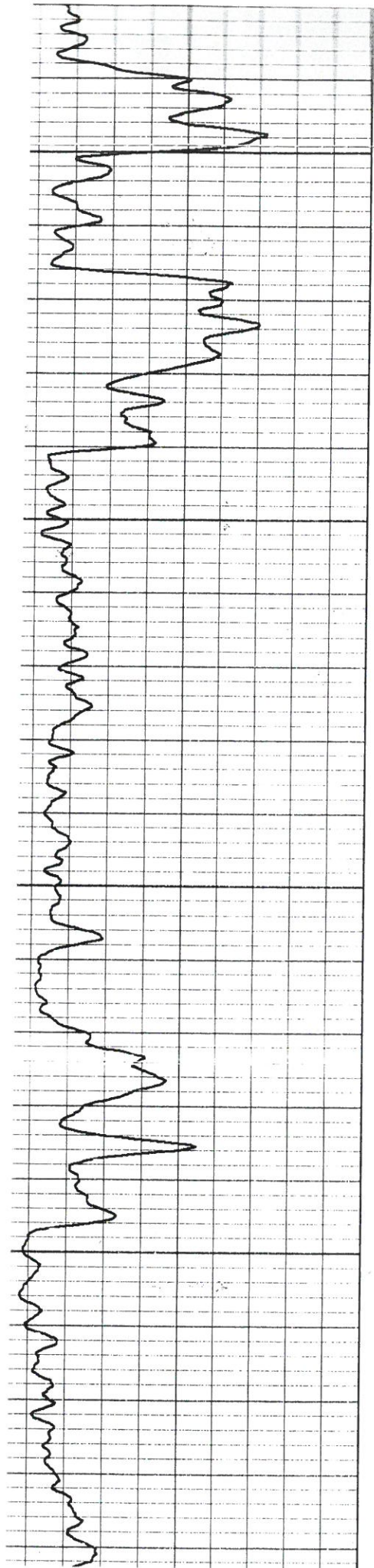
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50

100





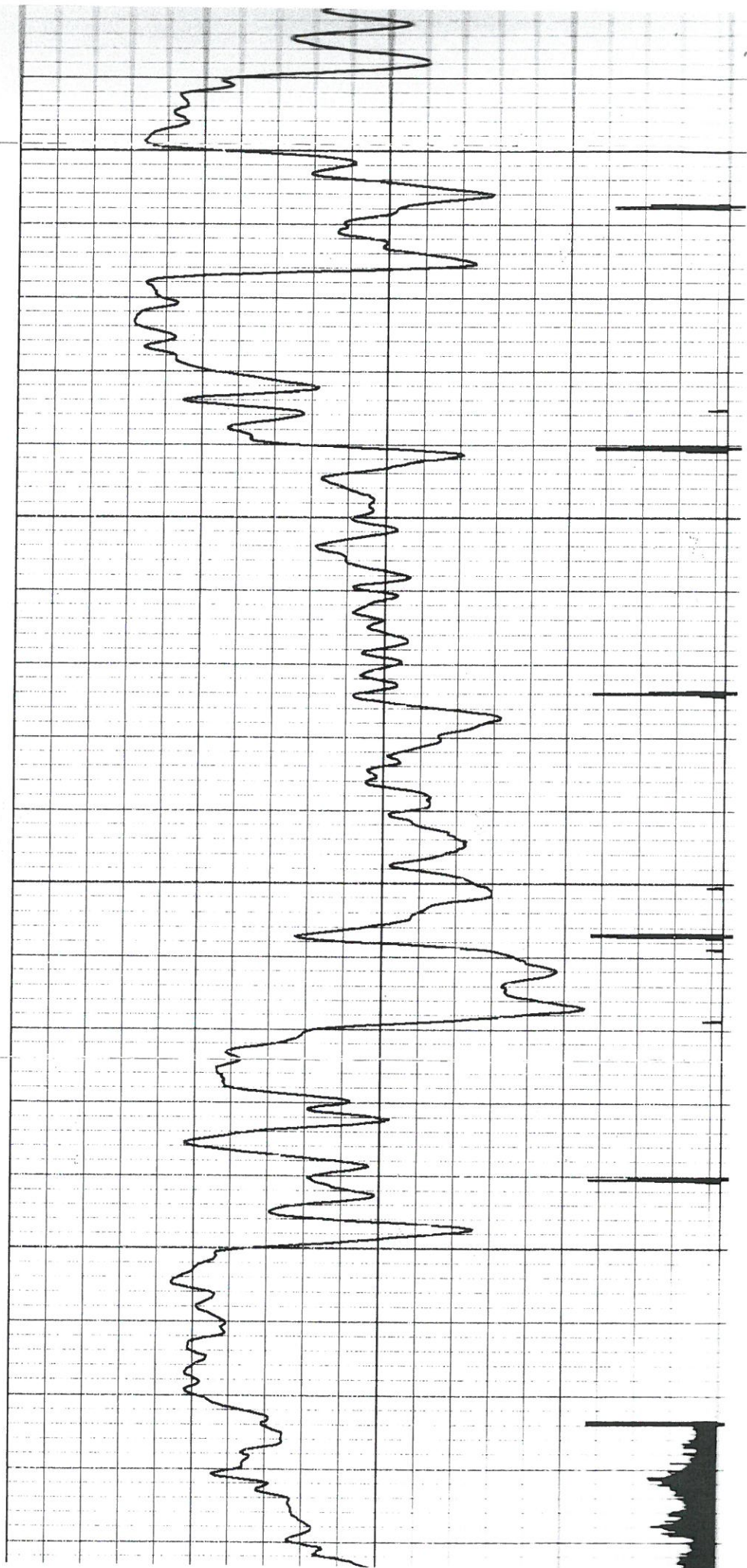


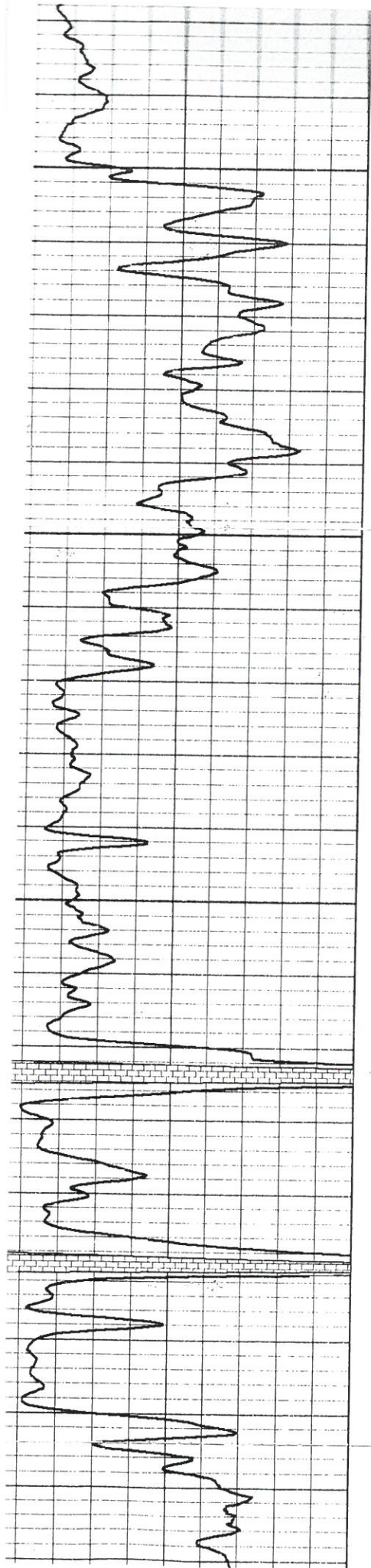
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550

600

650



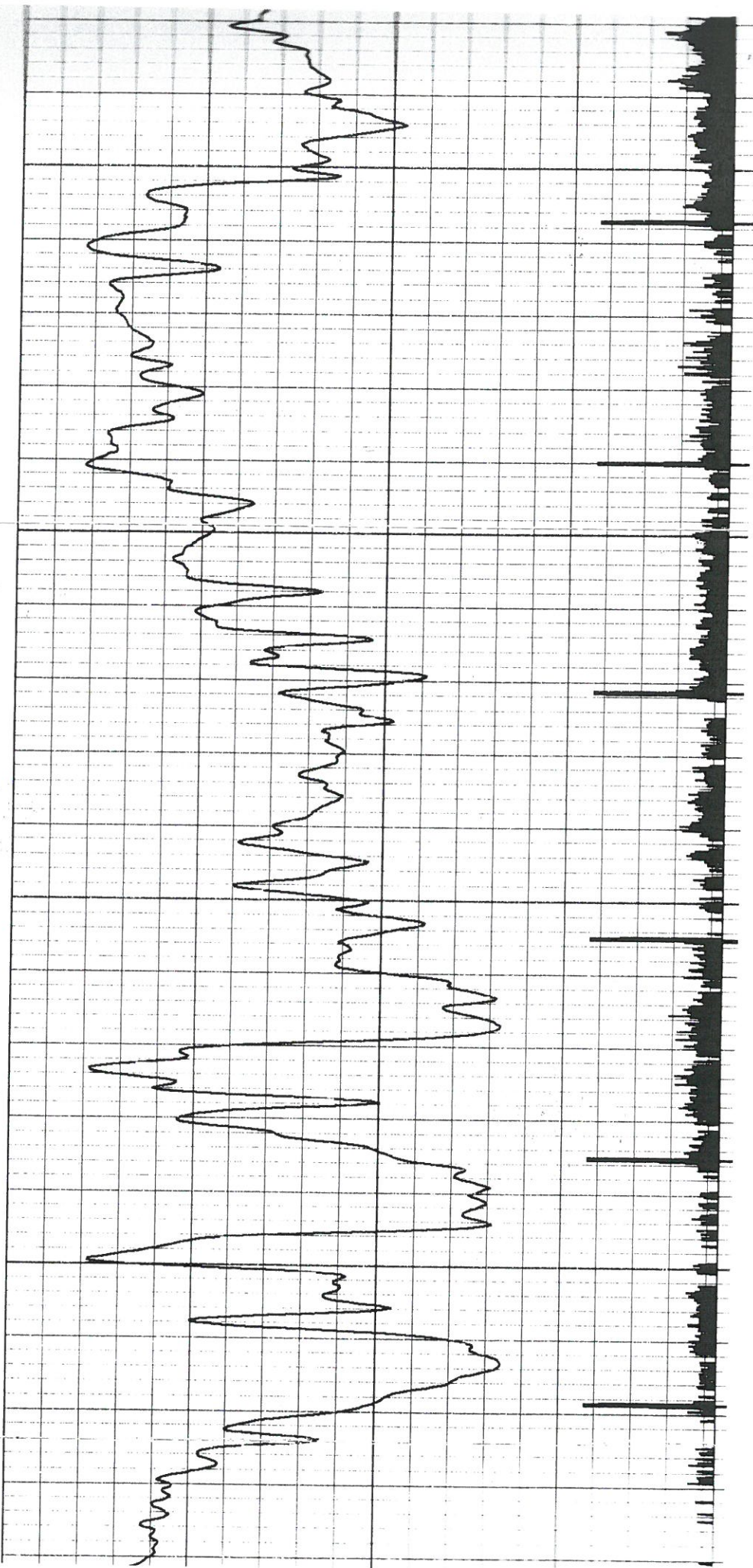


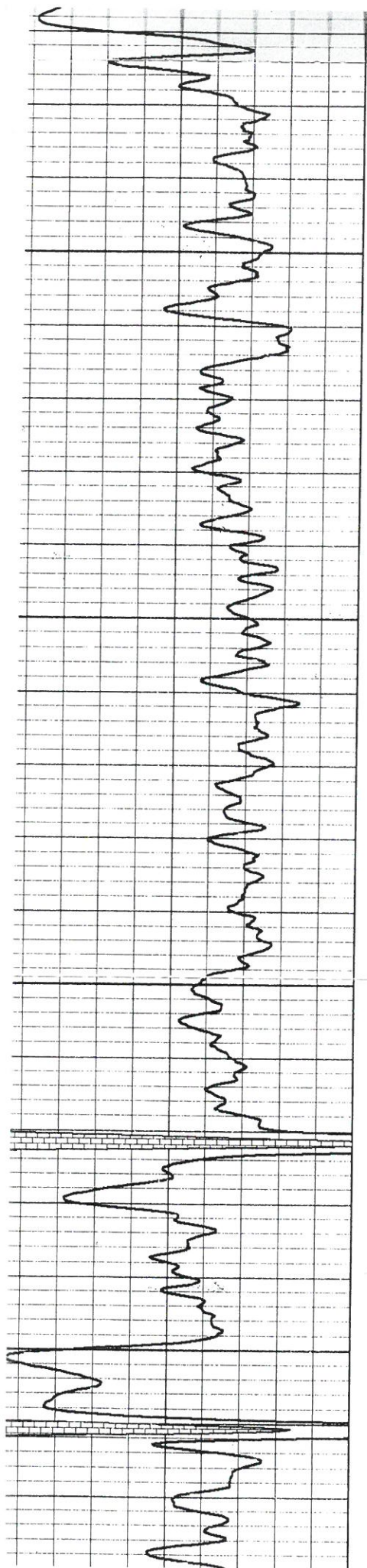
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750

800

850



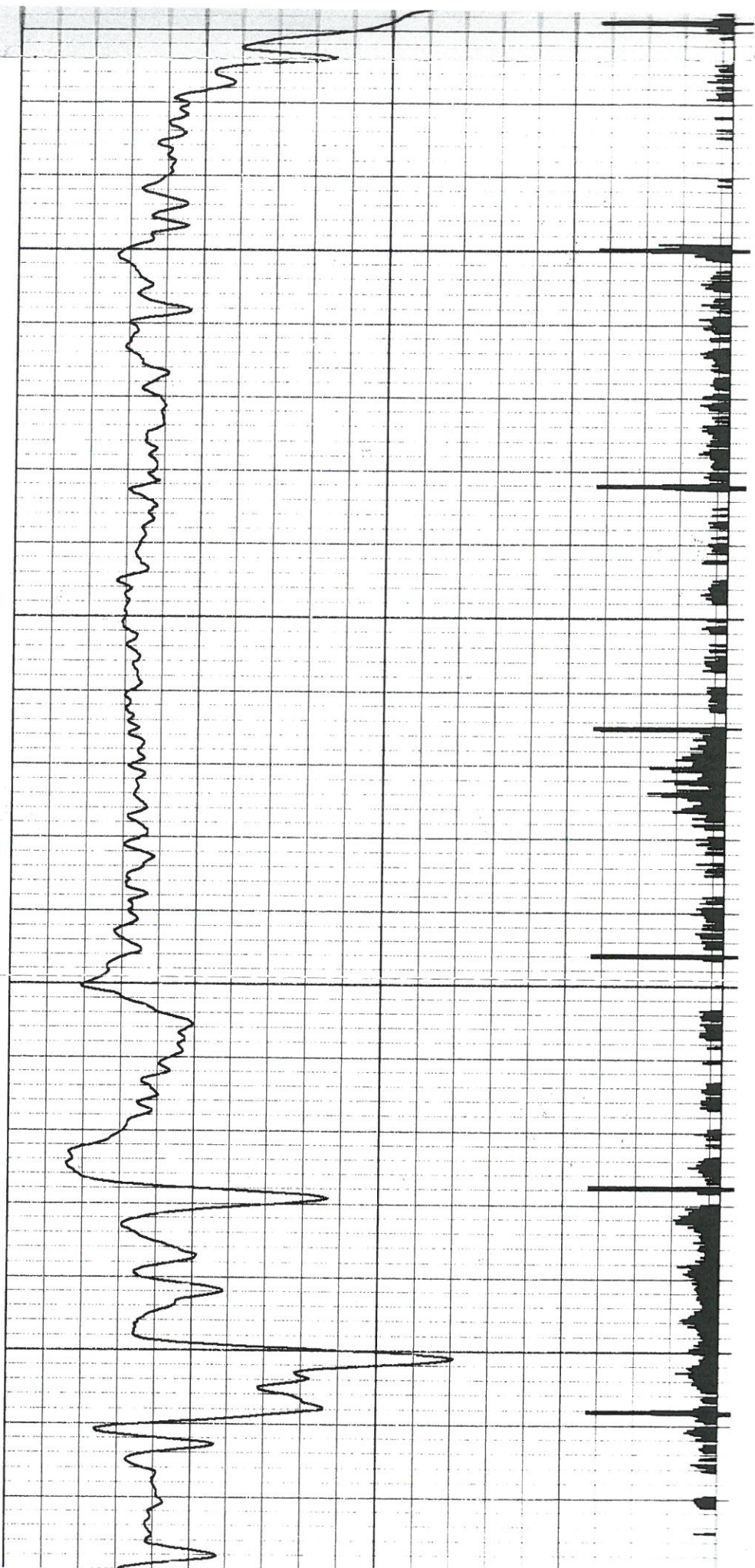


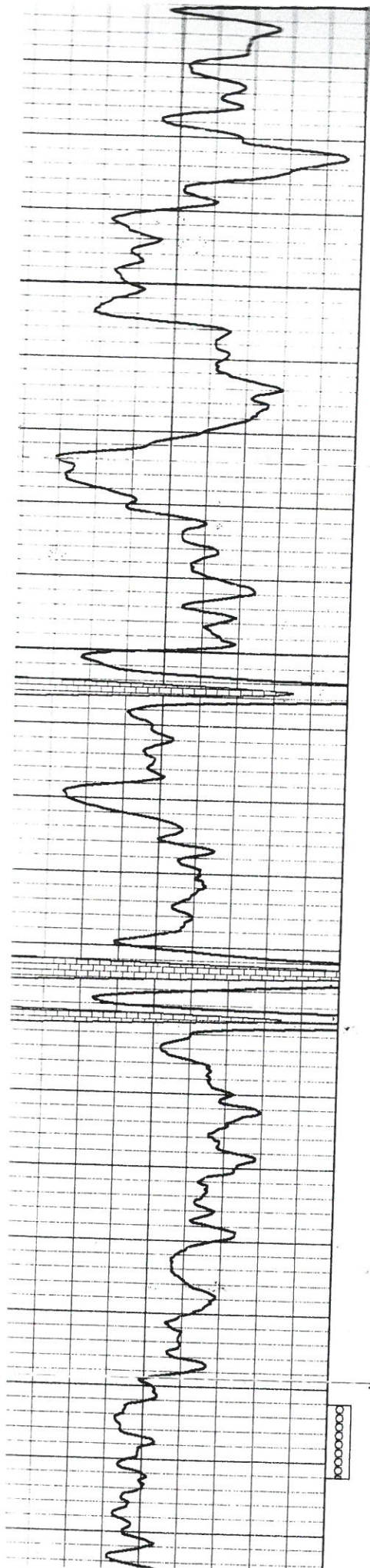
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950

1000

1050





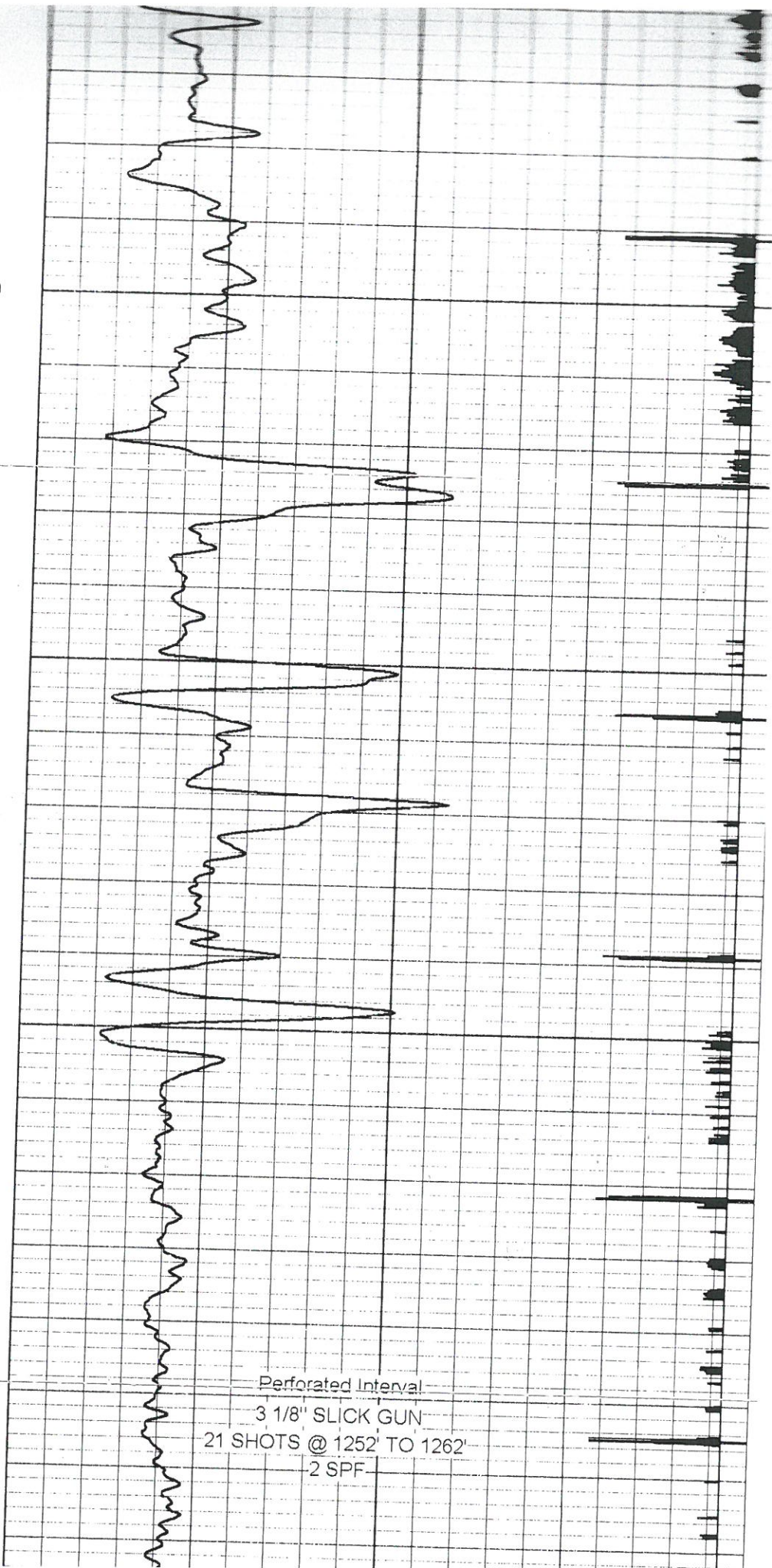
1100

1150

1200

1250

Perforated Interval
3 1/8" SLICK GUN
21 SHOTS @ 1252' TO 1262'
2 SPF



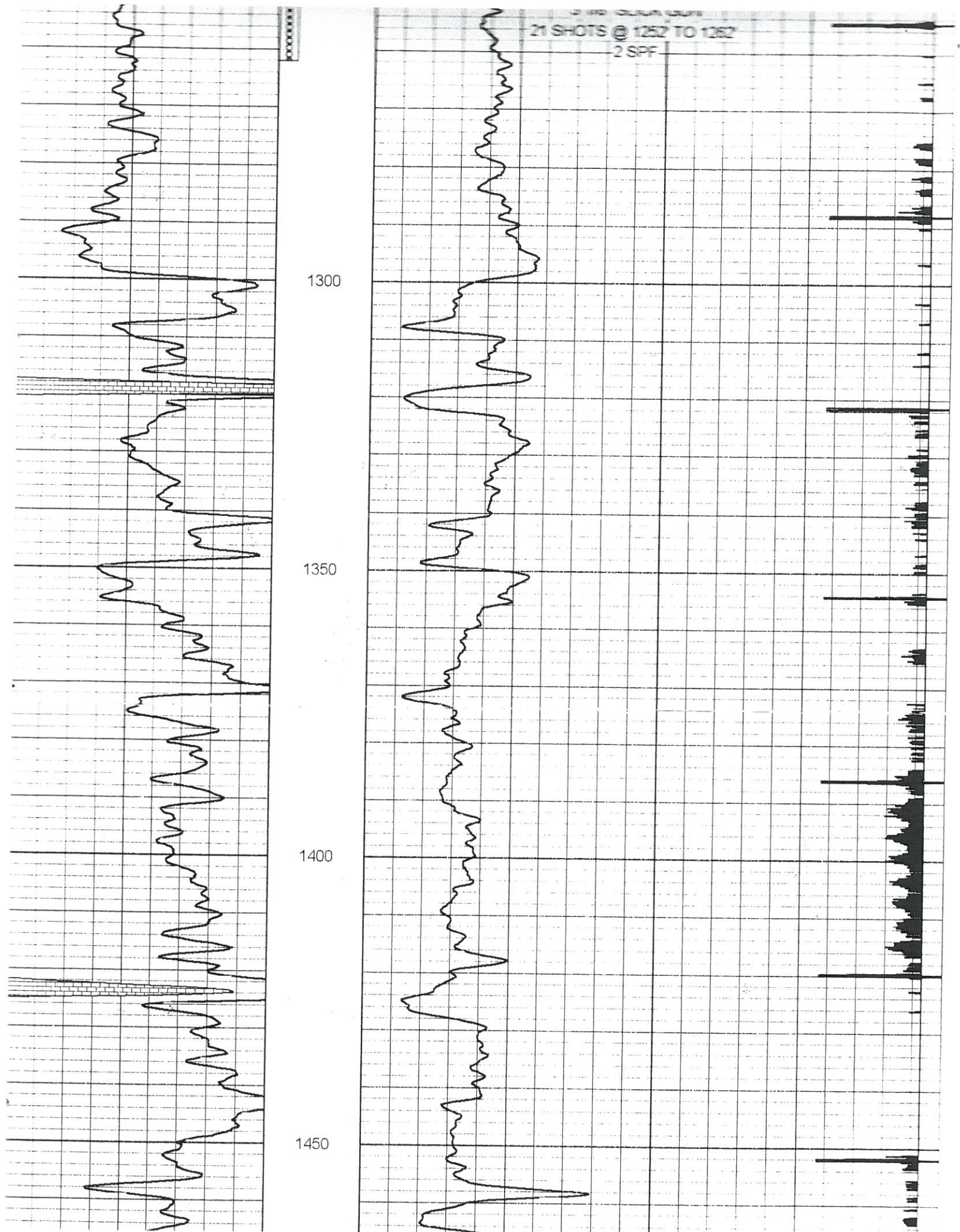
21 SHOTS @ 1252 TO 1262
2 SPF

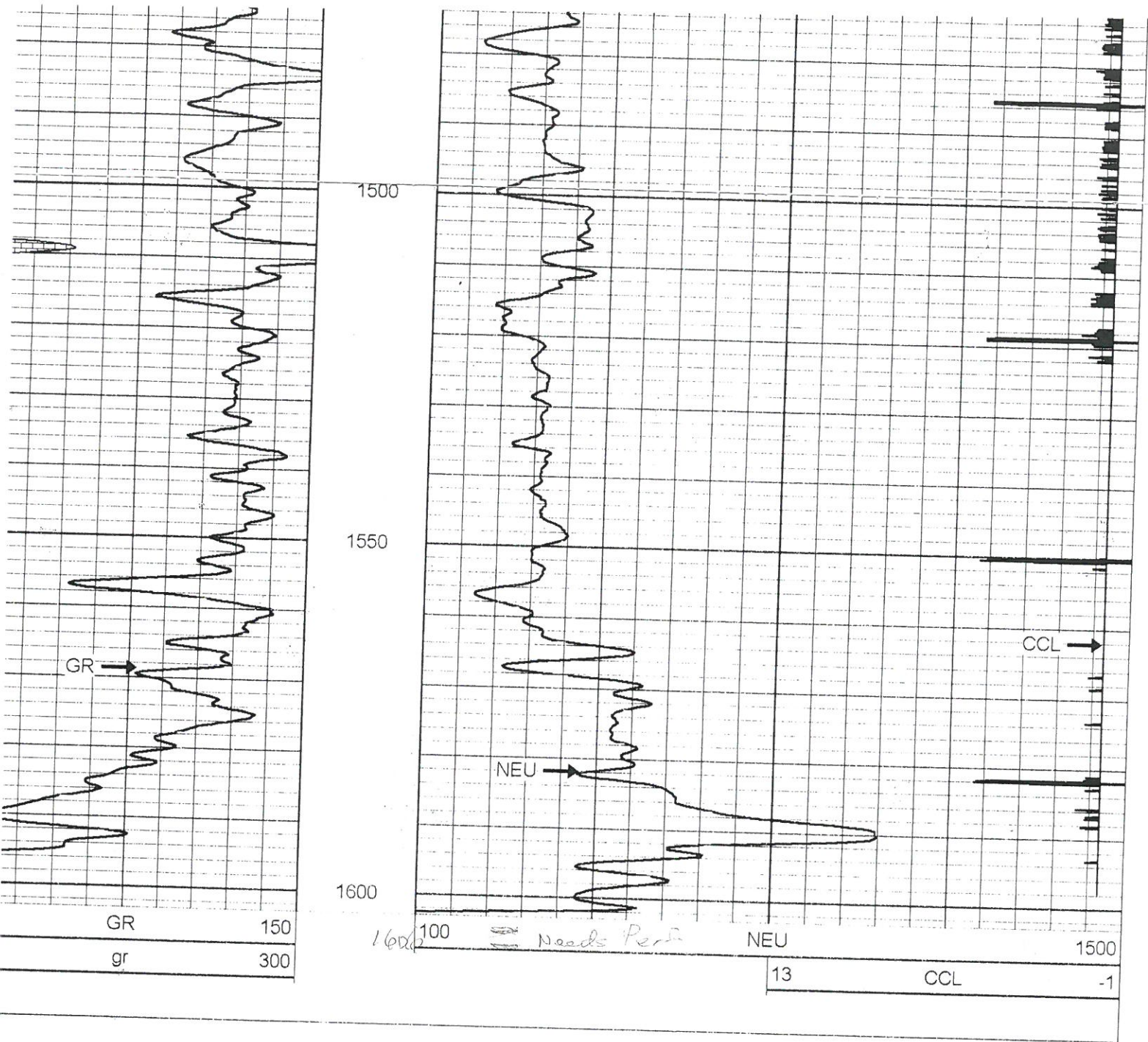
1300

1350

1400

1450





ORNISH
WIRELINE
SERVICES, INC.
CHANUTE, KANSAS

Company	BIRK PETROLEUM
Well	RICH # 7
Field	EVANS NORTH
County	COFFEY SEC. 8 TWP. 23S RGE. 15E
State	KANSAS
Date	7-8-2014

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

Elite

**Cementing & Acidizing
of Kansas, LLC**



Cement or Acid Field Report

Ticket No. **1468**

Foreman Kevin McCoy

Camp EUREKA

API # 15-031-23920

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-30-14	1066	Rich #7	8	23S	15E	COFFEY	KS
Customer	Mailing Address		Safety Meeting	Unit #	Driver	Unit #	Driver
BIRK OIL	700 S. 4 TH		KM	104	ALAN M.		
City	State	Zip Code	AM	110	DAVE G.		
Burlington	KS	66839	DC	113	SHANNON F.		
			SF	141	RUDY M.		
			RM	145	ALAN G.		
			AG				

Job Type Longstring Hole Depth 1625' G.L. Slurry Vol. 56 BBL Tubing _____
Casing Depth 1614' Hole Size 6 3/4" Slurry Wt. 13.8" - 13.6" Drill Pipe _____
Casing Size & Wt. 4 1/2" 10.50" Cement Left in Casing 0' Water Gal/SK 8.0 - 9.0 Other _____
Displacement 25.5 BBL Displacement PSI 600 Bump Plug to 1100 PSI BPM _____

Remarks: SAFETY MEETING: Rig up to 4 1/2 casing. Break circulation w/ 5 BBL fresh water. MIXED 115 SKS 60/40 POZMIX CEMENT w/ 6% GEL, 1" PHENOSAL / SK @ 12.9" / 9.4L, YIELD 1.75 = 36 BBL SLURRY. TAIL IN w/ 60 SKS THICK SET CEMENT w/ 2" PHENOSAL / SK @ 13.6" / 9.4L = 20 BBL SLURRY. WASH OUT Pump & Lines. Shut down. Release Plug. Displace Plug to Seat w/ 25.5 BBL FRESH WATER. FINAL Pumping Pressure 600 PSI. Bump Plug to 1100 PSI. WAIT 2 minutes. Release Pressure. FLAT HEAD. Shut casing in @ 0 PSI. Good Cement Return to Surface = 8 BBL Slurry to Pt. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C 107	40	Mileage	3.95	158.00
C 203	115 SKS	60/40 POZMIX CEMENT	12.75	1466.25
C 206	590 "	GEL 6%	.20 "	118.00
C 203	115 "	PHENOSAL 1" / SK	1.25 "	143.75
C 201	60 SKS	THICK SET CEMENT	19.50	1170.00
C 208	120 "	PHENOSAL 2" / SK	1.25 "	150.00
C 108 A	8.25 TONS	TON Mileage BULK TRKS x 2	M/c x 2	690.00
C 113	2.5 HRS	80 BBL VAC TRUCK # 141	85.00	212.50
C 113	2.5 HRS	80 BBL VAC TRUCK # 145	85.00	212.50
C 224	5000 gals	City water	10.00 / 1000	50.00
THANK YOU			Sub TOTAL	5421.00
6.15%			Sales Tax	190.53
Authorization <u>Called By Bryan Birk</u> Title _____			Total	5611.53

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

1220886

Operator Name: Birk, Brian L. dba Birk Petroleum Lease Name: Rich Well #: 7
 Sec. 8 Twp. 23 S. R. 15 ☐ East ☐ West County: Coffey

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Squirrel	1230	-106
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Mississippi	1597	-473
List All E. Logs Run:				
Gamma Ray/Neutron				

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12.25	8.875	28	40	Portland	20	Calcium
Long String	6.75	4.5	10.50	1614	Pozmix/Thickset	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	-			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No (If No, skip questions 2 and 3)
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	1252-1262		

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	--

Confidentiality Requested:

☐ Yes ☒ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1220886

Form ACO-1

August 2013

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31280
Name: Birk, Brian L. dba Birk Petroleum
Address 1: 874 12TH RD SW
Address 2: _____
City: BURLINGTON State: KS Zip: 66839 + 9255
Contact Person: Brian birk
Phone: (620) 364-1311
CONTRACTOR: License # 30567
Name: Rig 6 Drilling Co., Inc.
Wellsite Geologist: None
Purchaser: Coffeyville Resources
Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ WSW ☐ SWD ☐ SLOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☐ Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

- ☐ Commingled Permit #: _____
☐ Dual Completion Permit #: _____
☐ SWD Permit #: _____
☐ ENHR Permit #: _____
☐ GSW Permit #: _____

06/27/2014 06/30/2014 06/30/2014
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-031-23920-00-00

Spot Description: _____
_____ SW SE SE Sec. 8 Twp. 23 S. R. 15 ☒ East ☐ West
330 Feet from ☐ North / ☒ South Line of Section
990 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Coffey

Lease Name: Rich Well #: 7

Field Name: Evans North

Producing Formation: Squirrel

Elevation: Ground: 1124 Kelly Bushing: 1124

Total Vertical Depth: 1625 Plug Back Total Depth: 1614

Amount of Surface Pipe Set and Cemented at: 40 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 1614

feet depth to: 0 w/ 175 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ Confidentiality Requested

Date: _____

☐ Confidential Release Date: _____

☒ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☒ II ☐ III Approved by: NAOMI JAMES Date: 08/29/2014



GAMMA RAY NEUTRON COMPLETION LOG

Company	BIRK PETROLEUM
Well	RICH #9
Field	EVANS NORTH
County	COFFEY
State	KANSAS

Company **BIRK PETROLEUM**

Well RICH #9

Field EVANS NORTH

County COFFEY State KANSAS

Location:	API #: 15-031-23921-00-00	Other Services
-----------	---------------------------	----------------

990' FSL & 330' FEL

NE SE SE

SEC 8 TWP 23S RGE 15E

Elevation

Elevation 1084'

SURVEYED

Permanent Datum	G.L.
Log Measured From	G.L.
Drilling Measured From	G.L.

K.B.
D.F.
G.L. 1084'

Date	8-11-2014
------	-----------

Run Number	1-NEW WELL
1	1-NEW WELL

Depth Drifter	
---------------	--

Depth Logger	12
--------------	----

Top Log Interval	SURFACE
------------------	---------

Bottom Logged Interval	12
------------------------	----

Fluid Level	Height
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

Type Fluid	W
------------	---

Production Casing	2 7/8"
-------------------	--------

Max. Recorded Temp.	

Estimated Cement 10p	
----------------------	--

Calculated Cement Top	

Amount & type Cement

Aluminum & type number	

Dining Corridor

Equipment Number

1000

IDENTITY

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
--------	-------------	-----------	-------------	----------	---------	---------

GR

7.59

GR-TITAN_169 (TIT169_001)
Titan 1 11/16" Gamma Ray

4.75

1.69

20.00

CCL

5.05

CCL-TITAN_169 (TIT169)
Titan 1 11/16" Logging CCL

1.83

1.69

7.50

NEU-TITAN_169 (TIT169_001)
Titan 1 11/16" Neutron

4.33

1.69

20.00

NEU

0.63

Dataset: rich #9.db: field/well/run1/pass1
 Total Length: 10.92 ft
 Total Weight: 47.50 lb
 O.D.: 1.69 in

Database File: e:\rich #9.db
 Dataset Pathname: pass1
 Representation Format: gr-n-ccl
 Dataset Creation: Mon Aug 11 12:22:08 2014 by Log Std Casedhole 07122
 Started by: Depth in Feet scaled 1:240

GR 150
 gr 300

100

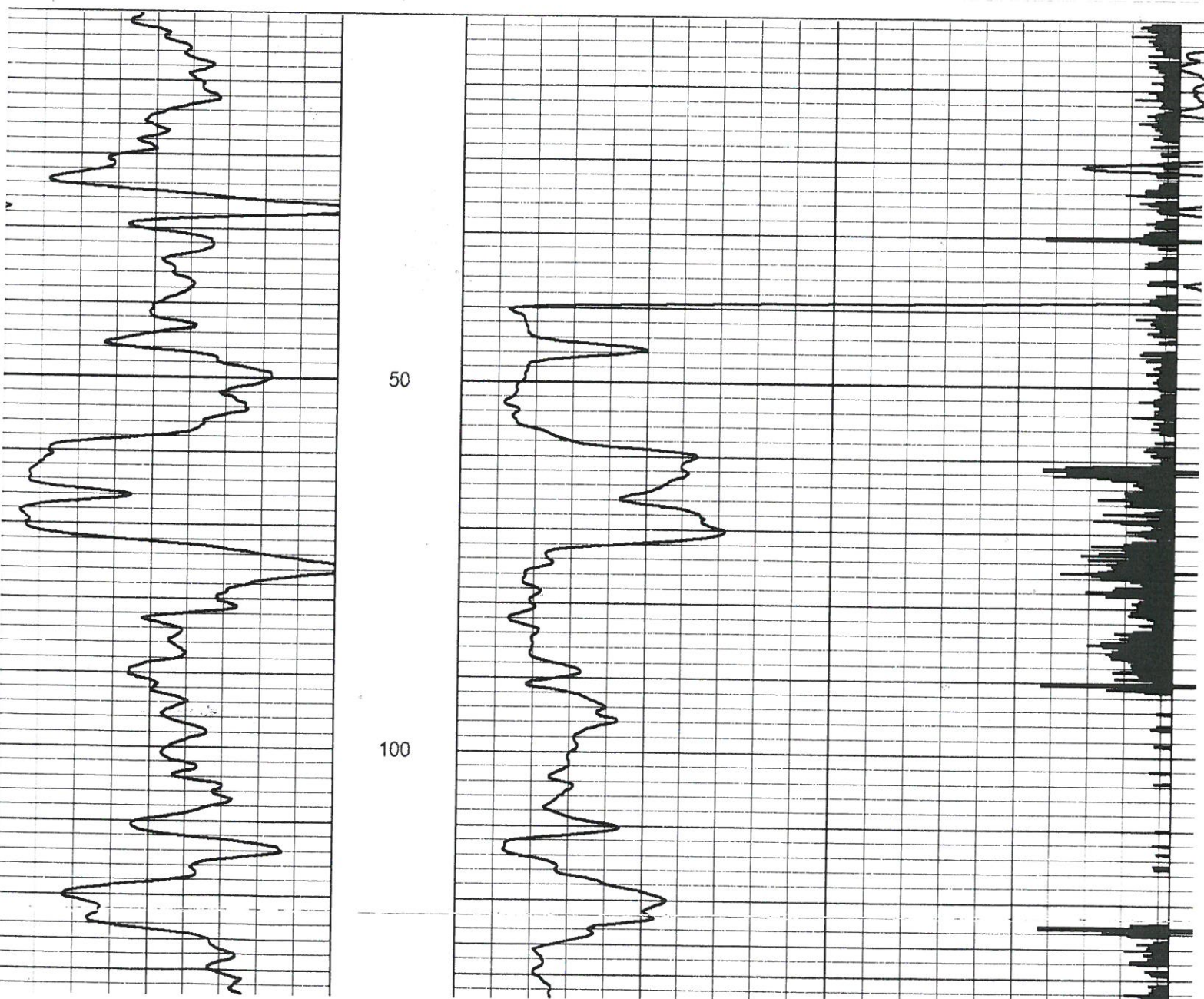
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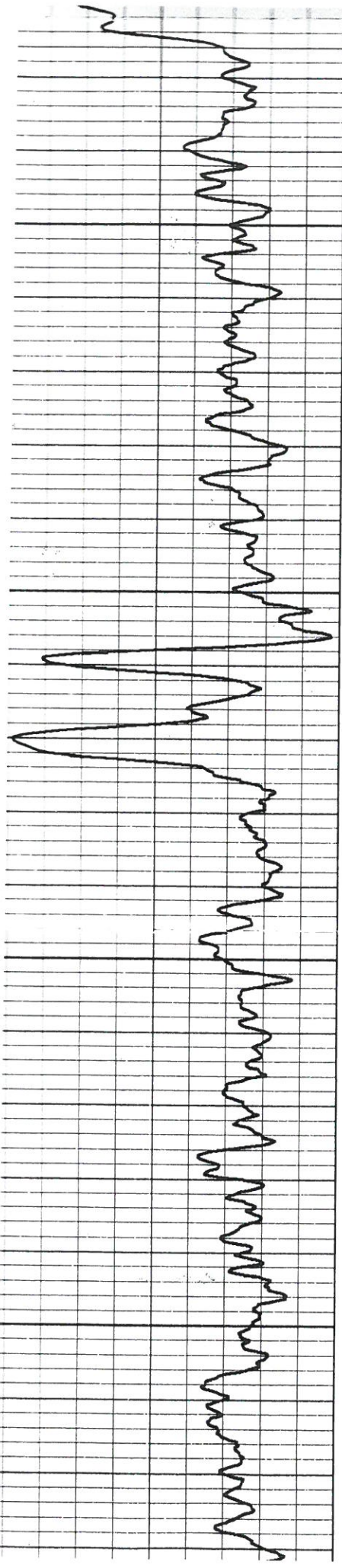
1500

13

CCL

-1



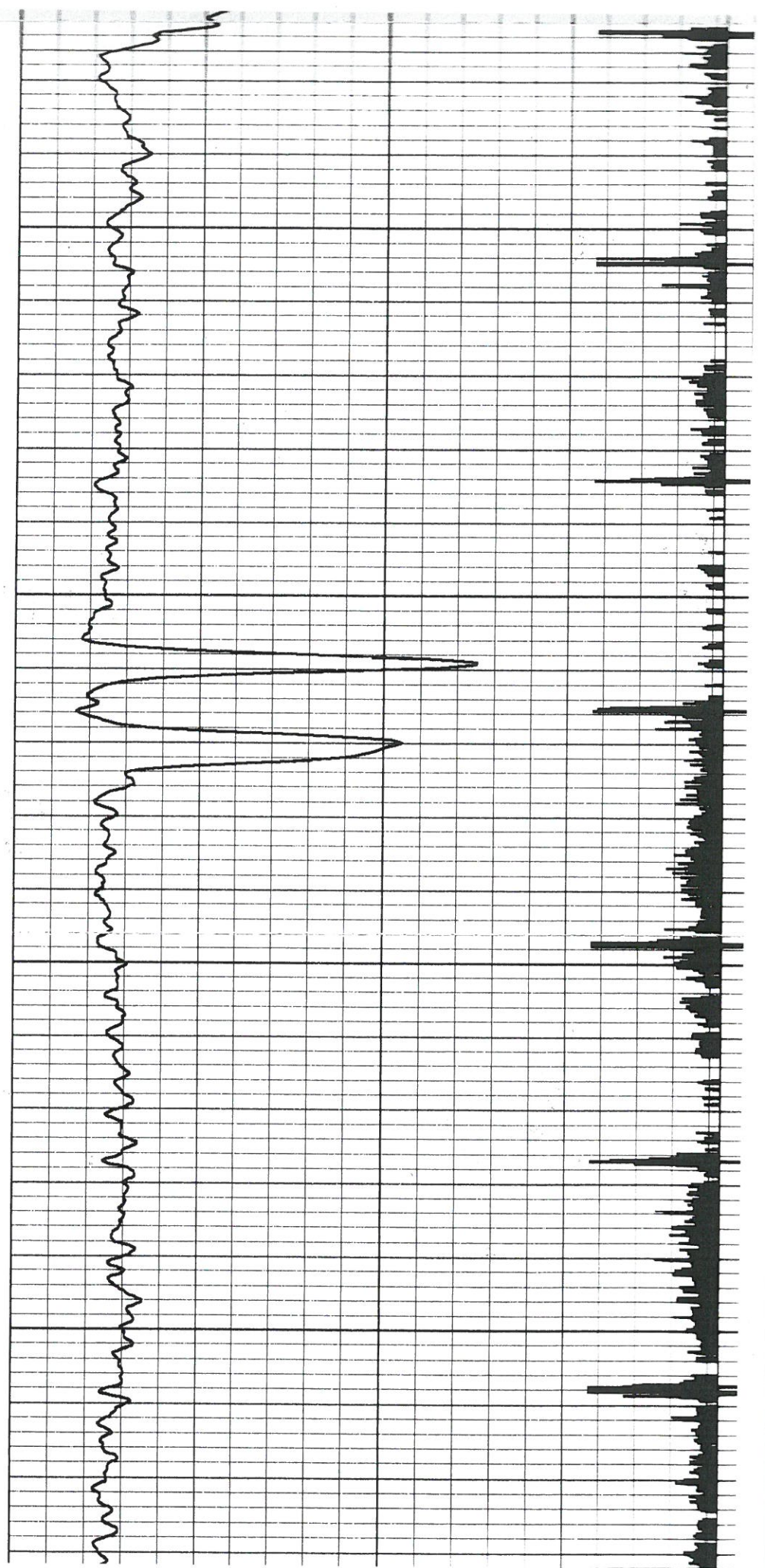


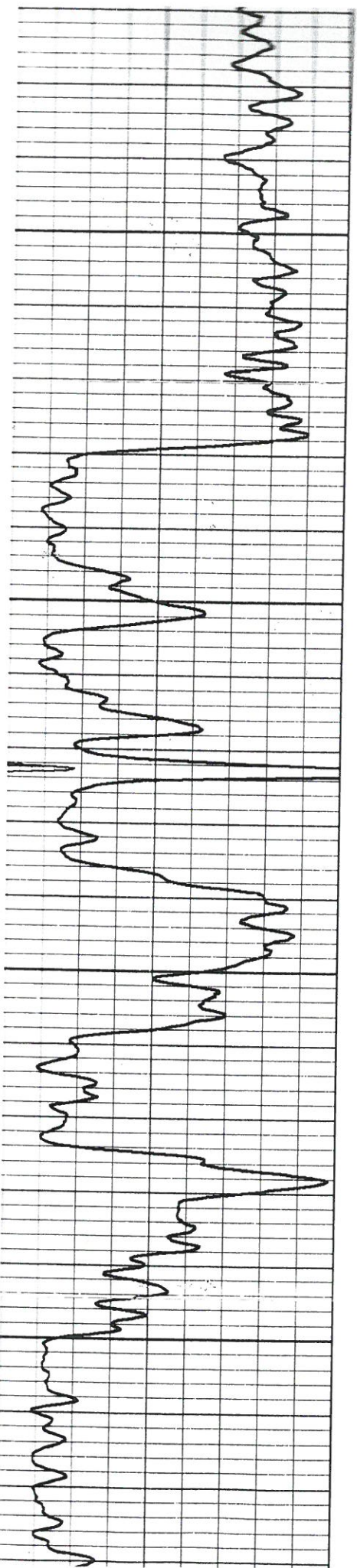
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200

250

300



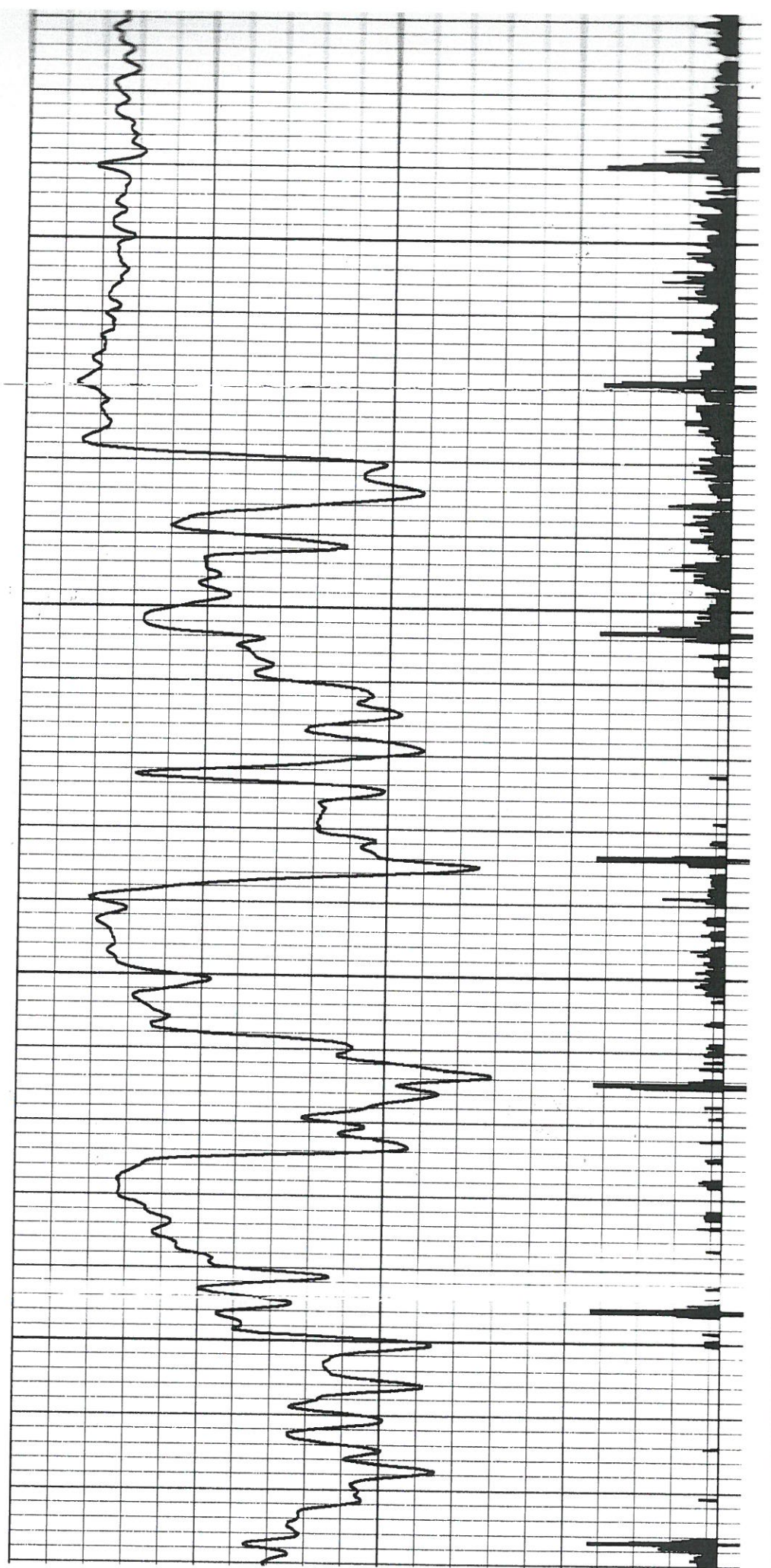


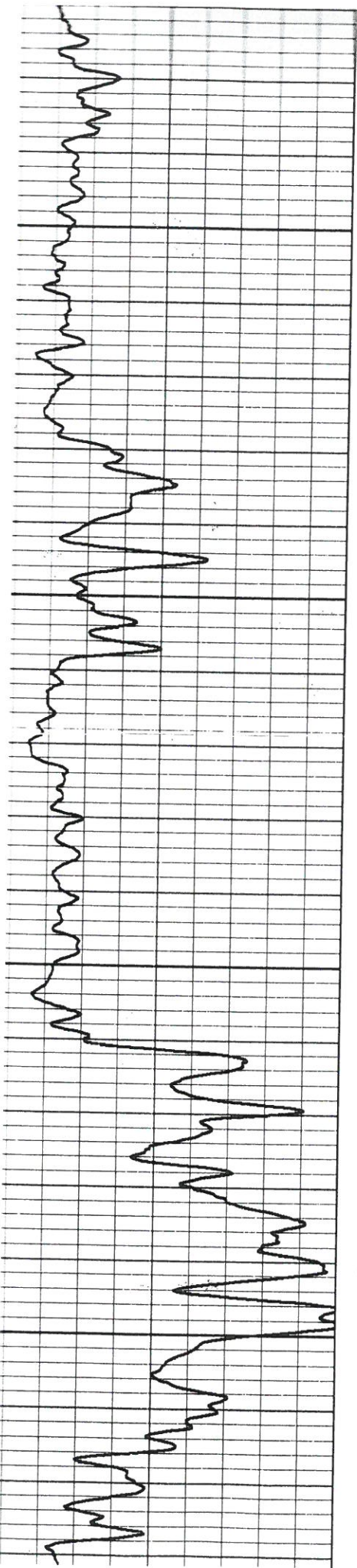
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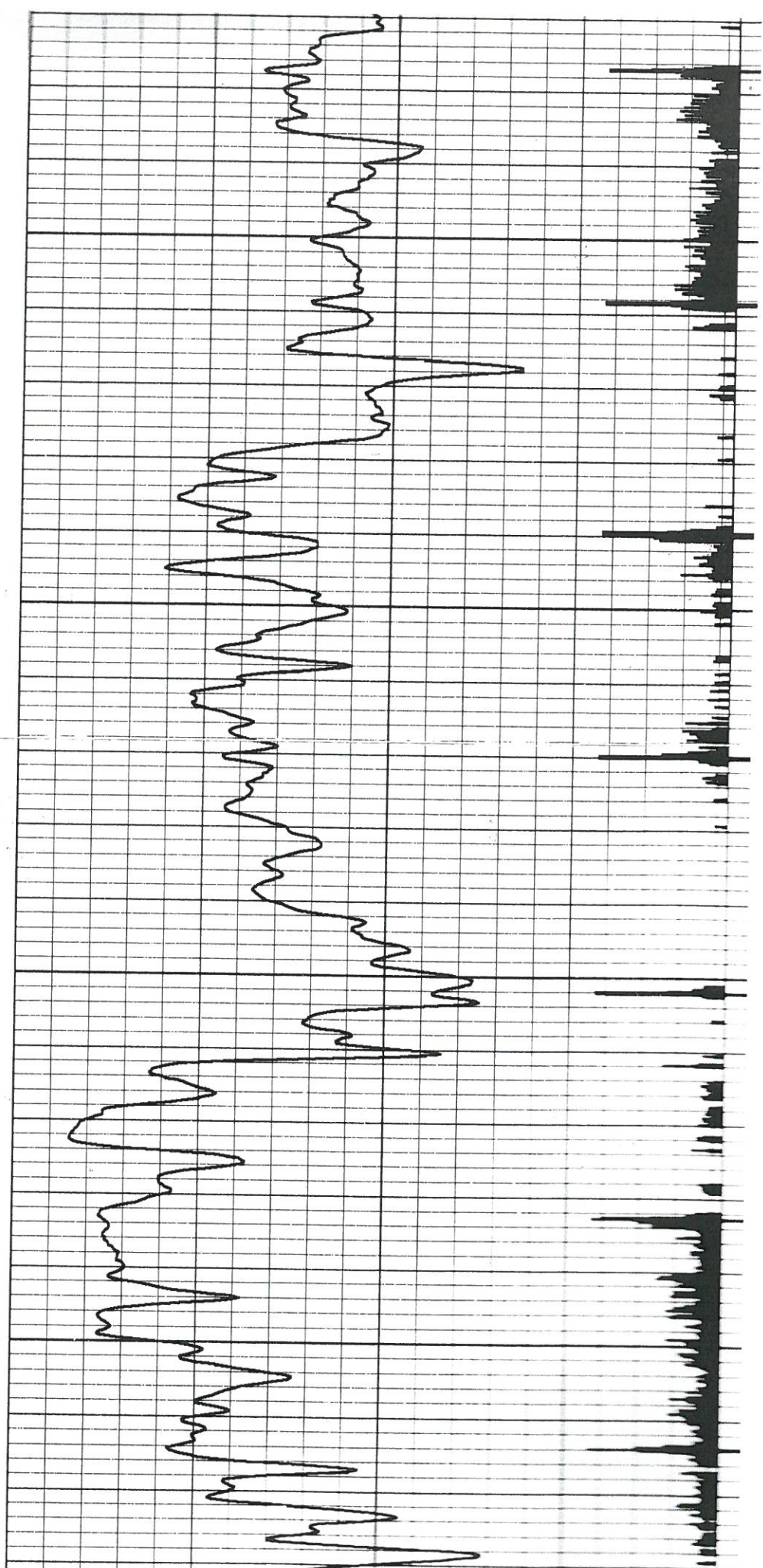


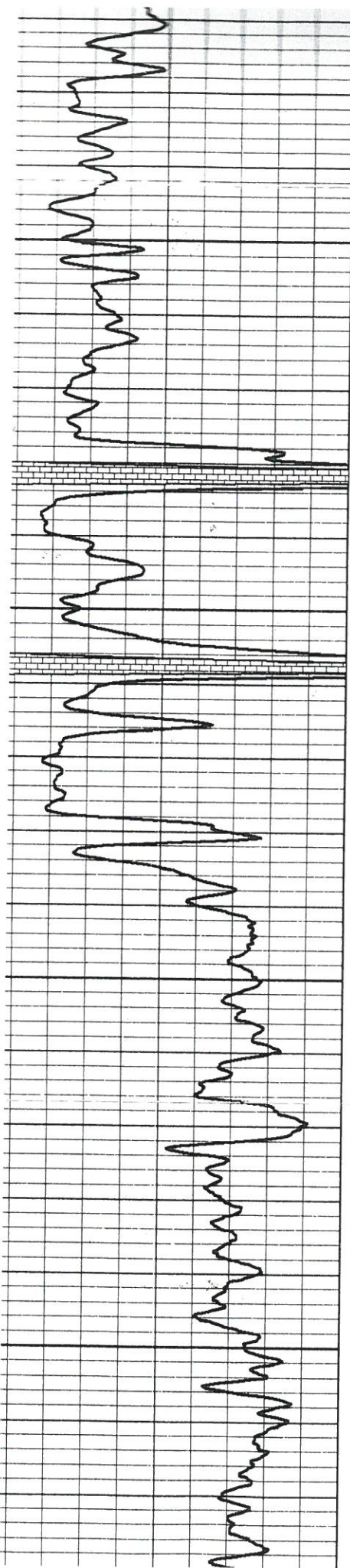
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600

650

700



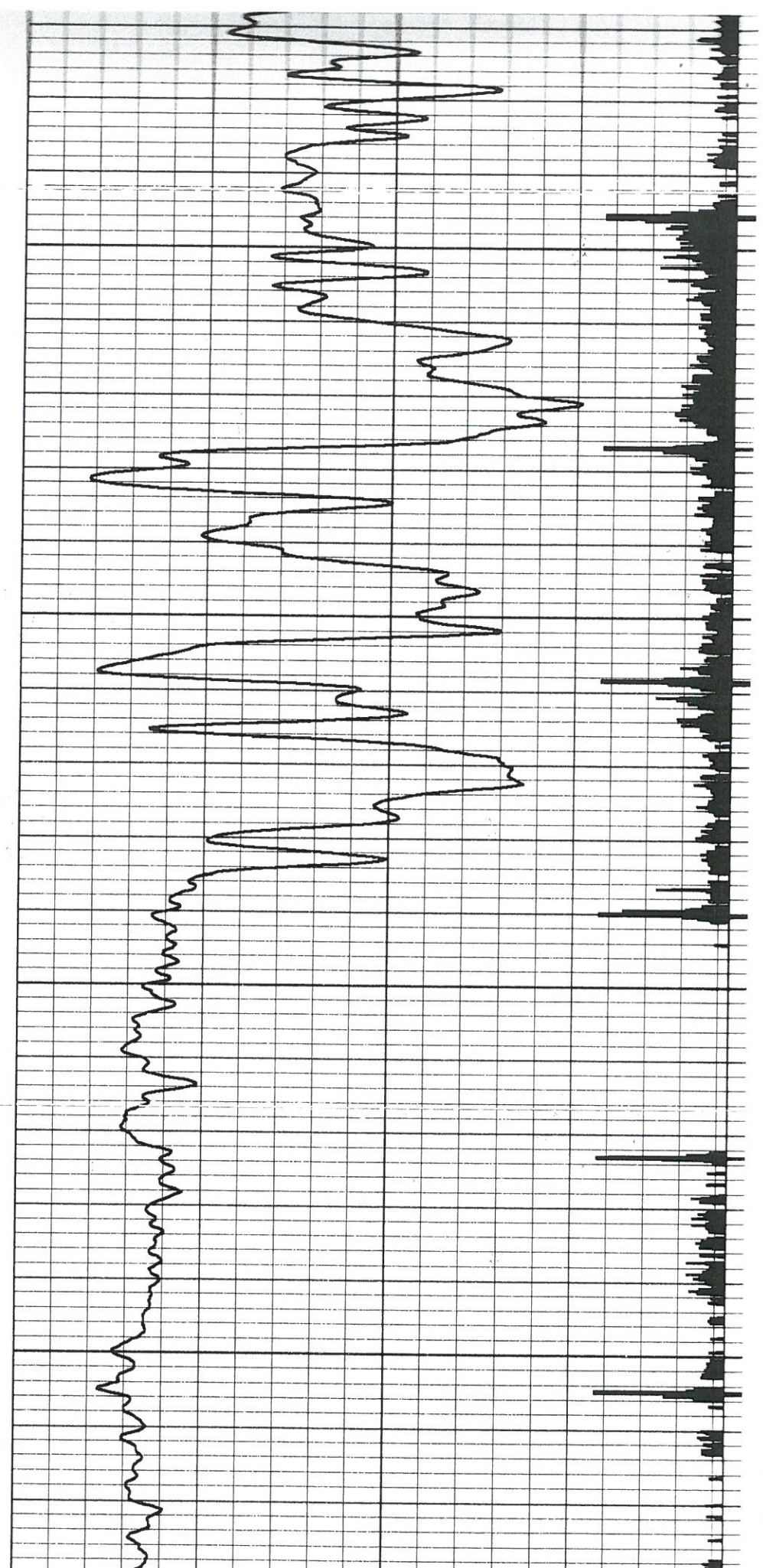


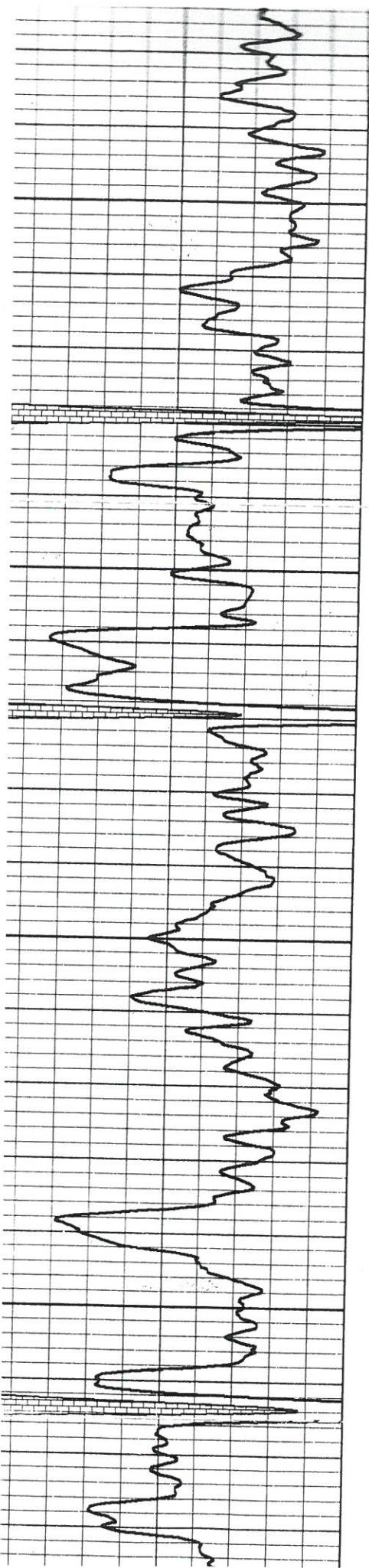
750

800

850

900



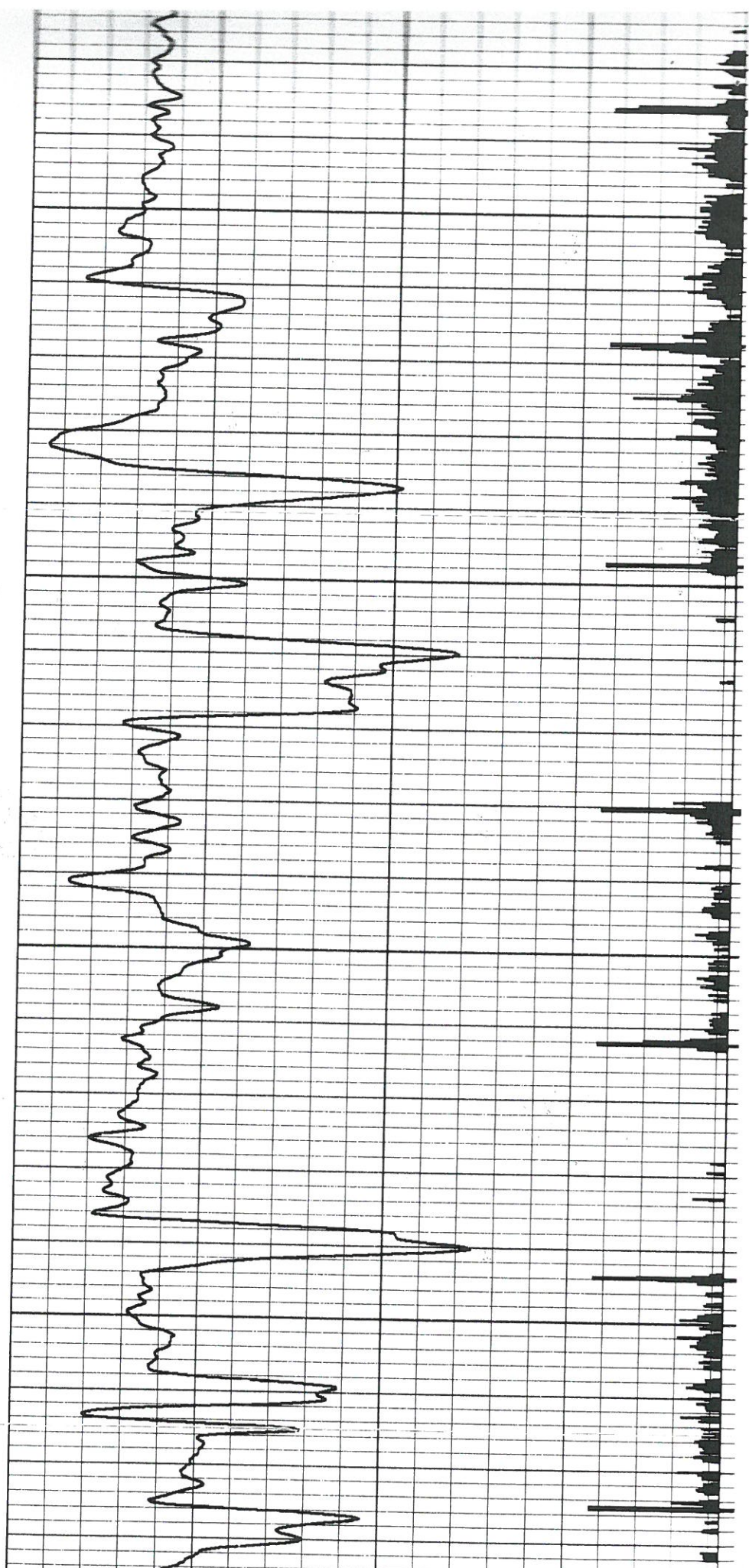


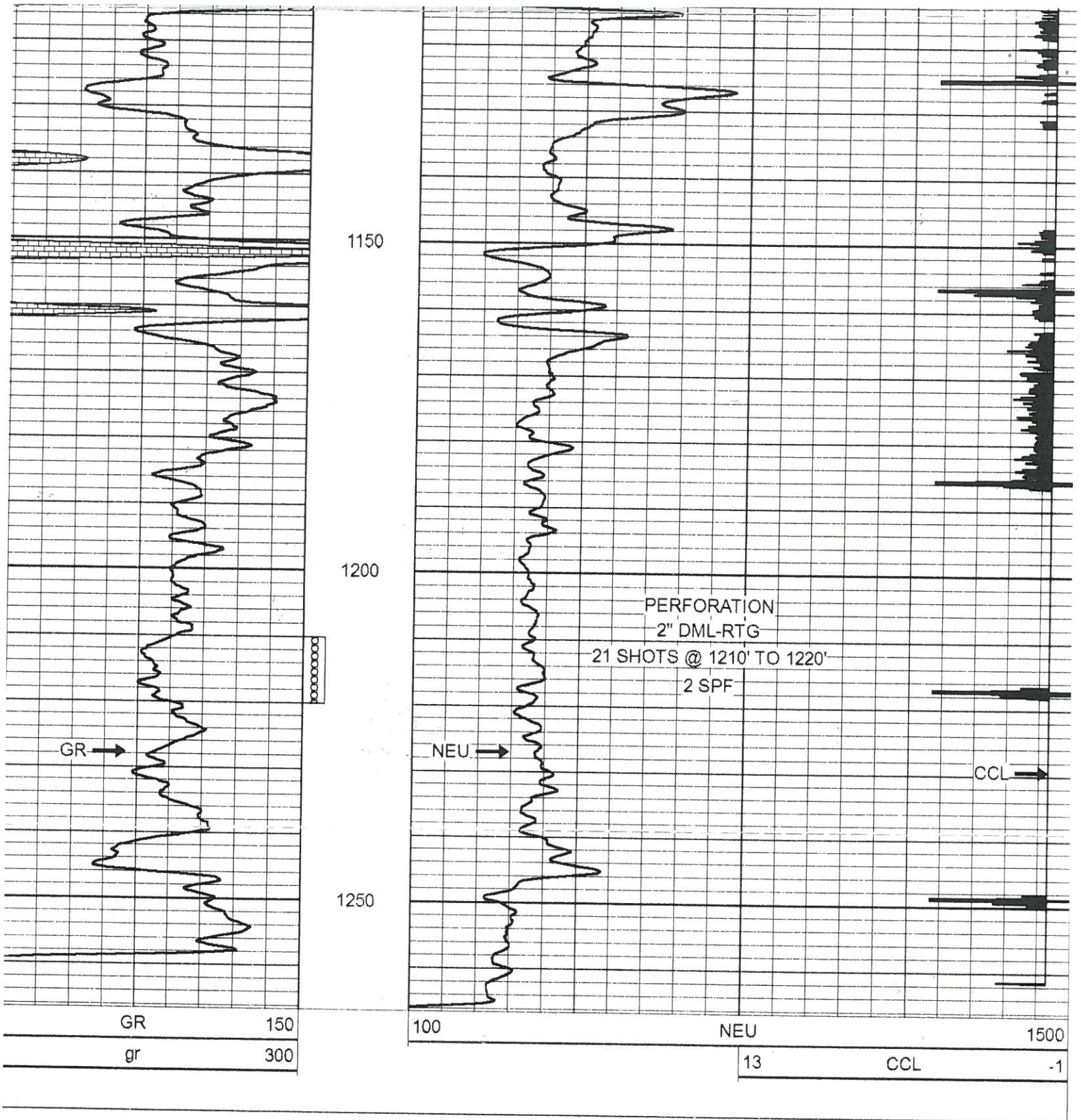
950

1000

1050

1100





CORNISH
WIRELINE
SERVICES, INC.
CHANUTE, KANSAS

Company	BIRK PETROLEUM
Well	RICH #9
Field	EVANS NORTH
County	COFFEY SEC. 8 TWP. 23S RGE. 15E
State	KANSAS
Date	8-11-2014

RIG 6 DRILLING CO. INC

R.K. 'BUD' SIFERS
620 365 9897

PO BOX # 227
IOLA, KS
66749

COMPANY: Birk Petroleum
ADDRESS: 874 12th Rd
Burlington, KS 66839

COMMENCED: 7/16/2014

COMPLETED: 7/21/2014

WELL #: 9

LEASE: Rich

API #: 15-031-23921

COUNTY: Coffey

STATUS: Oil Well

LOCATION: 990'FSL/330'FEL
8/23/15e

TOTAL DEPTH: 1289'-6 1/8"

CASING: 40"-8 5/8" csg cmt w/ 20 s
Csg 1,284' 2 7/8 Birk Cmt.

DRILLER'S LOG

3	Soil	1195	Sh w/Sd Sh
22	Clay (Cl) & Shale (Sh)	1204	Sand & Sh (Lt odor)
27	Sandstone	1216	Sa (Good Odor-Show)
29	Sh	1230	Sa (Lt to fair Odor)
47	Limestone (Ls) w/Sh Brks	1255	Sa w/Sh (NO-NS)
54	Sh w/Ls Brks	1289	Sh
75	Ls		
209	Sh w/Ls Brks		
228	LS	1,289'	T. D.
380	Sh		
665	LS w/ sh brks		
722	Sh w/ red sh		
831	LS w/ sh brks		
835	Co		
1012	Sh		
1020	LS		
1132	Ls		
1051	Sh		
1062	Ls w/Sh		
1090	Sh		
1095	LS		



GAMMA RAY
NEUTRON
COMPLETION LOG

Company	BIRK PETROLEUM		
Well	RICH #10		
Field	EVANS NORTH		
County	COFFEY	State	KANSAS
Location:	AP1 #: 15-031-23922-00-00		Other Services
SEC 8 TWP 23S RGE 15E		Elevation	
Permanent Datum	G.L.	Elevation	1104'
Log Measured From	G.L.	SURVEYED	
Drilling Measured From	G.L.	K.B. D.F. G.L. 1104"	
Date	8-11-2014		
Run Number	1-NEW WELL		
Depth Driller			
Depth Logger	1298'		
Top Log Interval	SURFACE		
Bottom Logged Interval	1298'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	4.5" @ T.D.	8 5/8" @ 40'	@
Max. Recorded Temp.			
Estimated Cement Top			
Calculated Cement Top			
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor	RIG 6		
Equipment Number	107		
Location			
Recorded By	UDEN, D.		

>>> Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. The interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU

Description

Len (ft) OD (in) Wt (lb)

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
			NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

NEU

0.63

Dataset: rich #10.db: field/well/run1/pass1
Total Length: 10.92 ft
Total Weight: 47.50 lb
O.D. 1.69 in

Database File: e:\rich #10.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Mon Aug 11 11:05:49 2014 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

GR 150

gr 300

100

NEU

1500

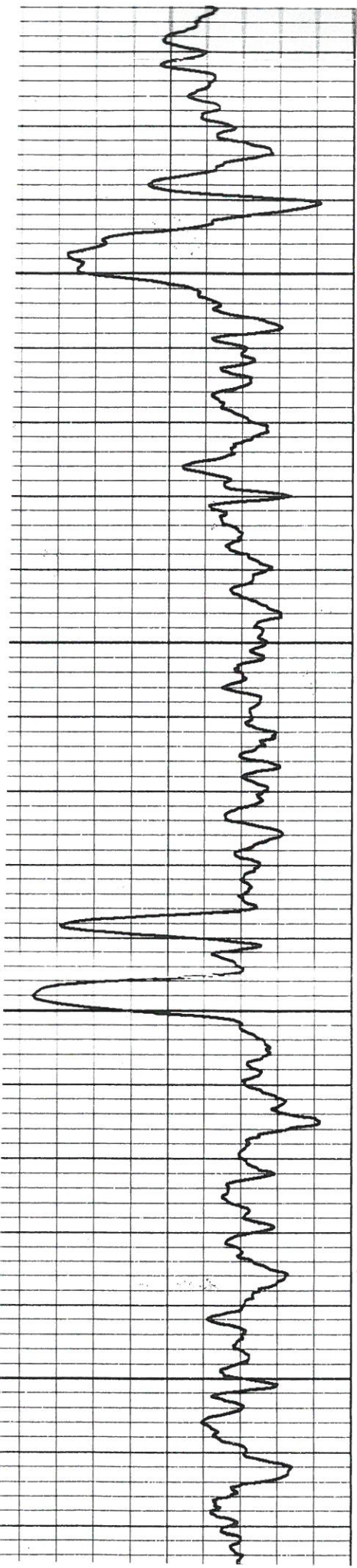
13

CCL

-1

50

100

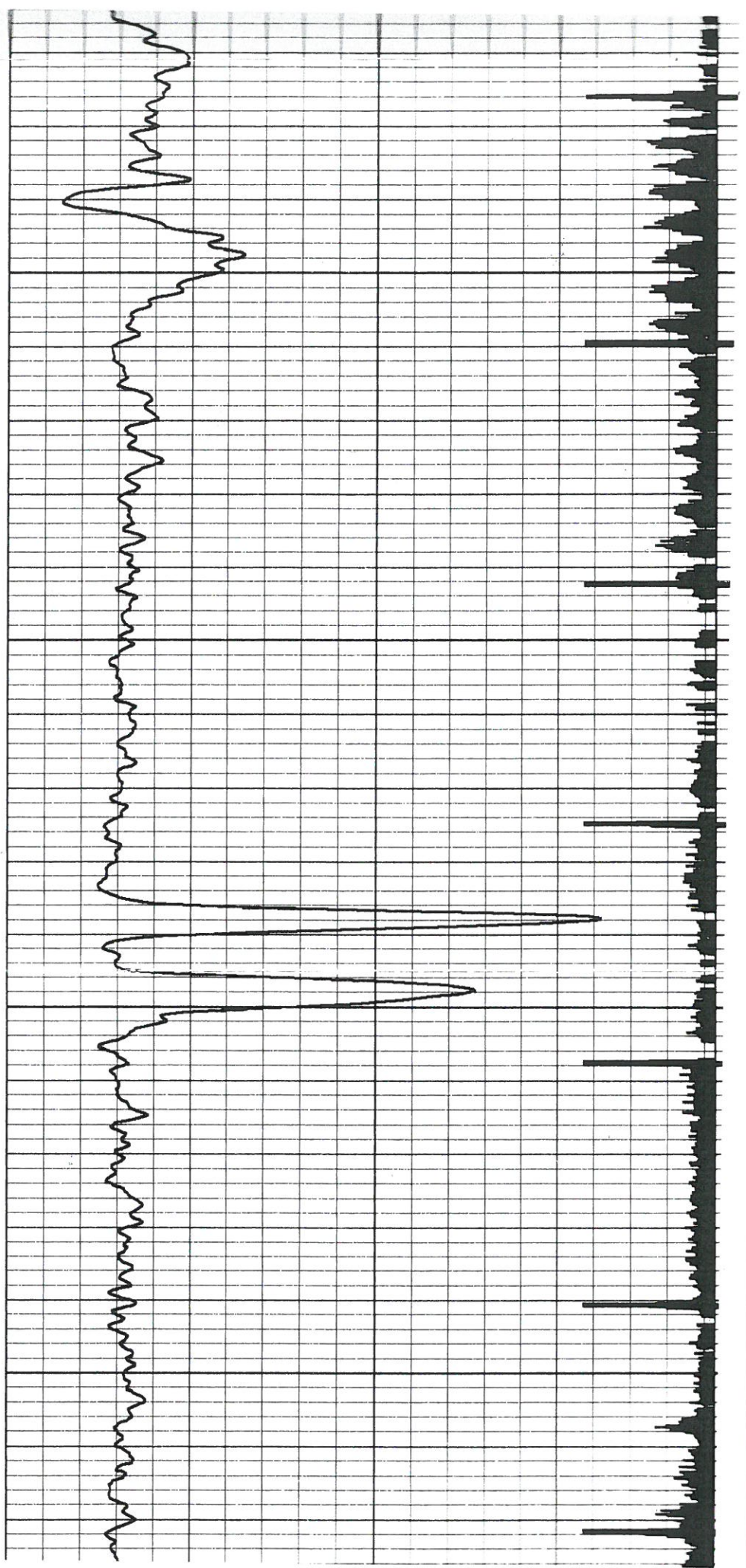


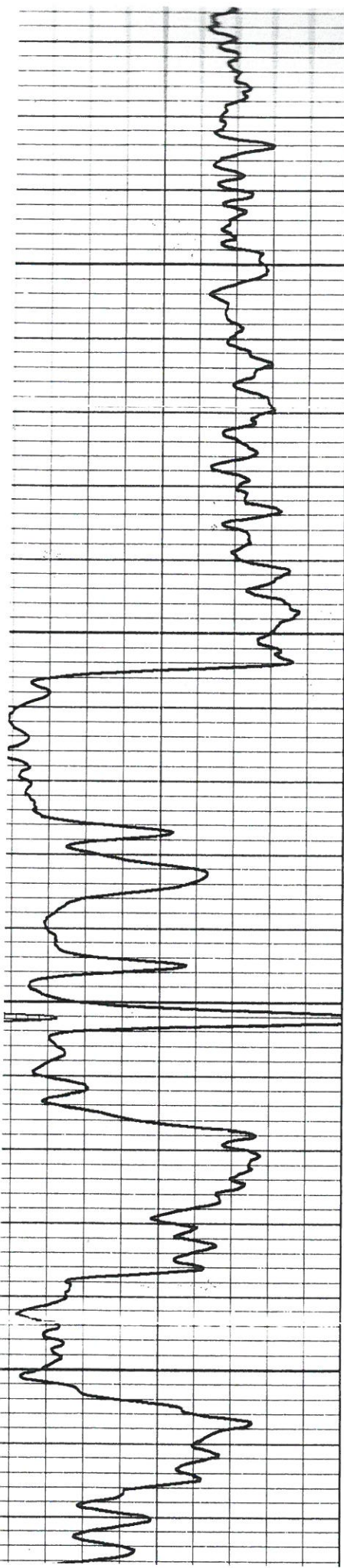
150

200

250

300



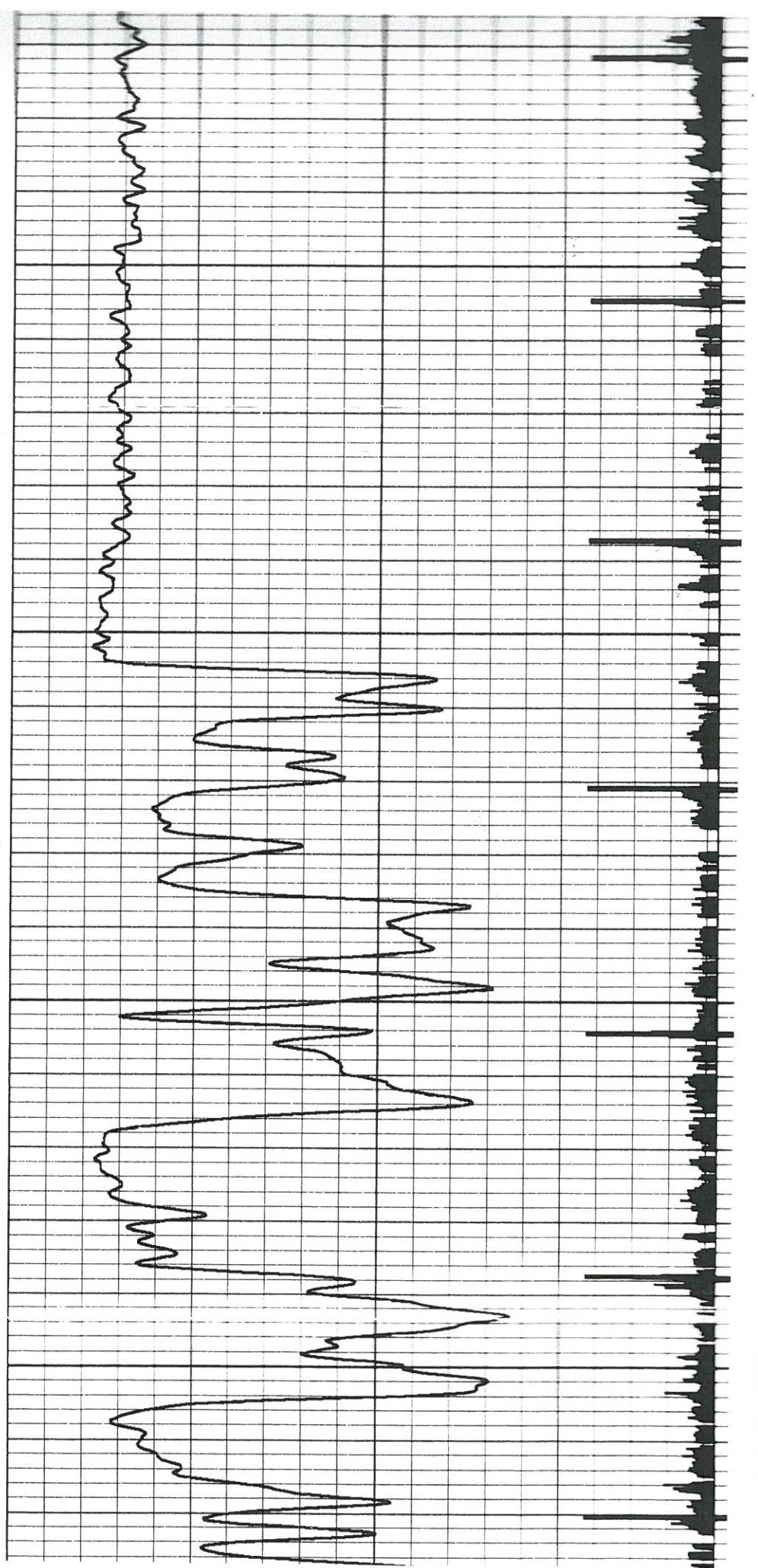


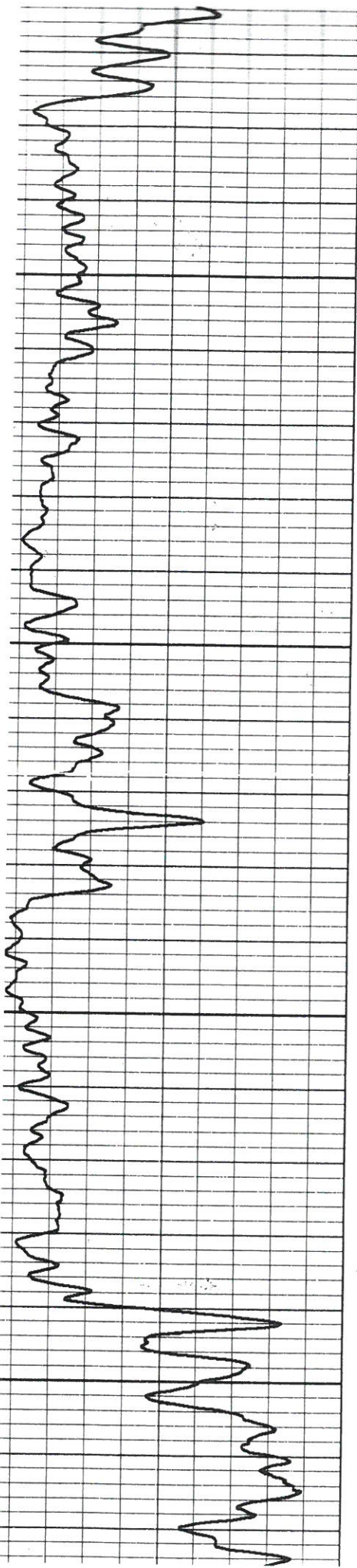
350

400

450

500



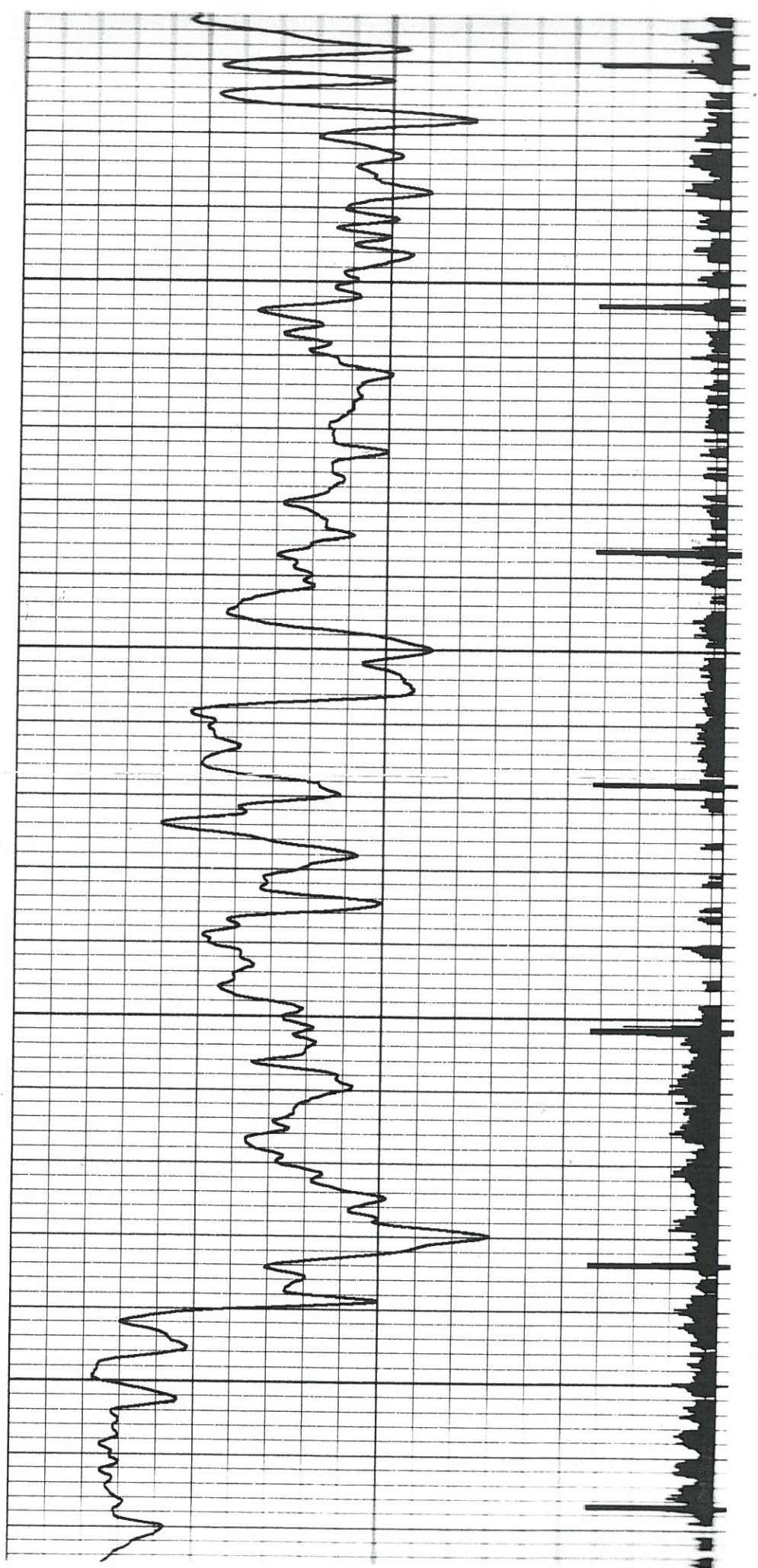


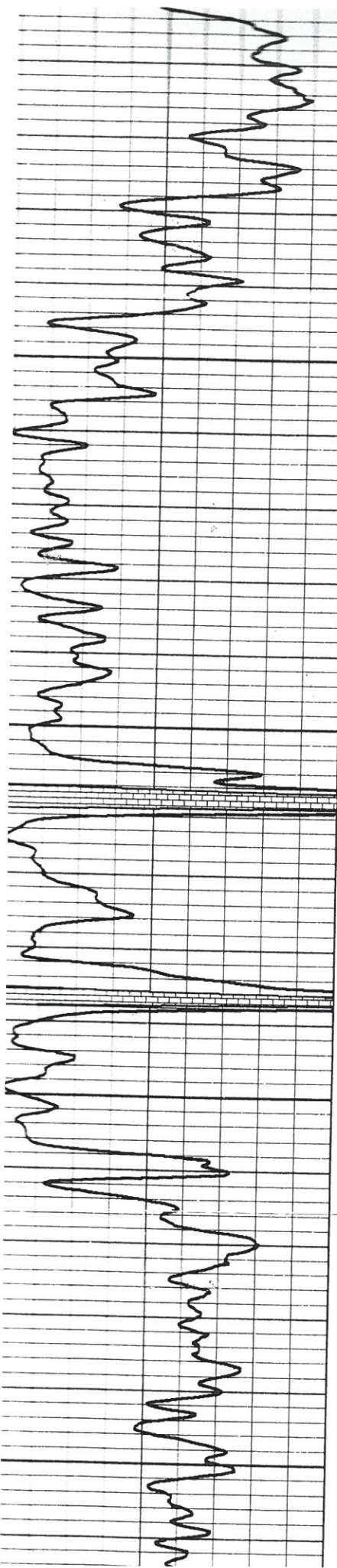
550

600

650

700



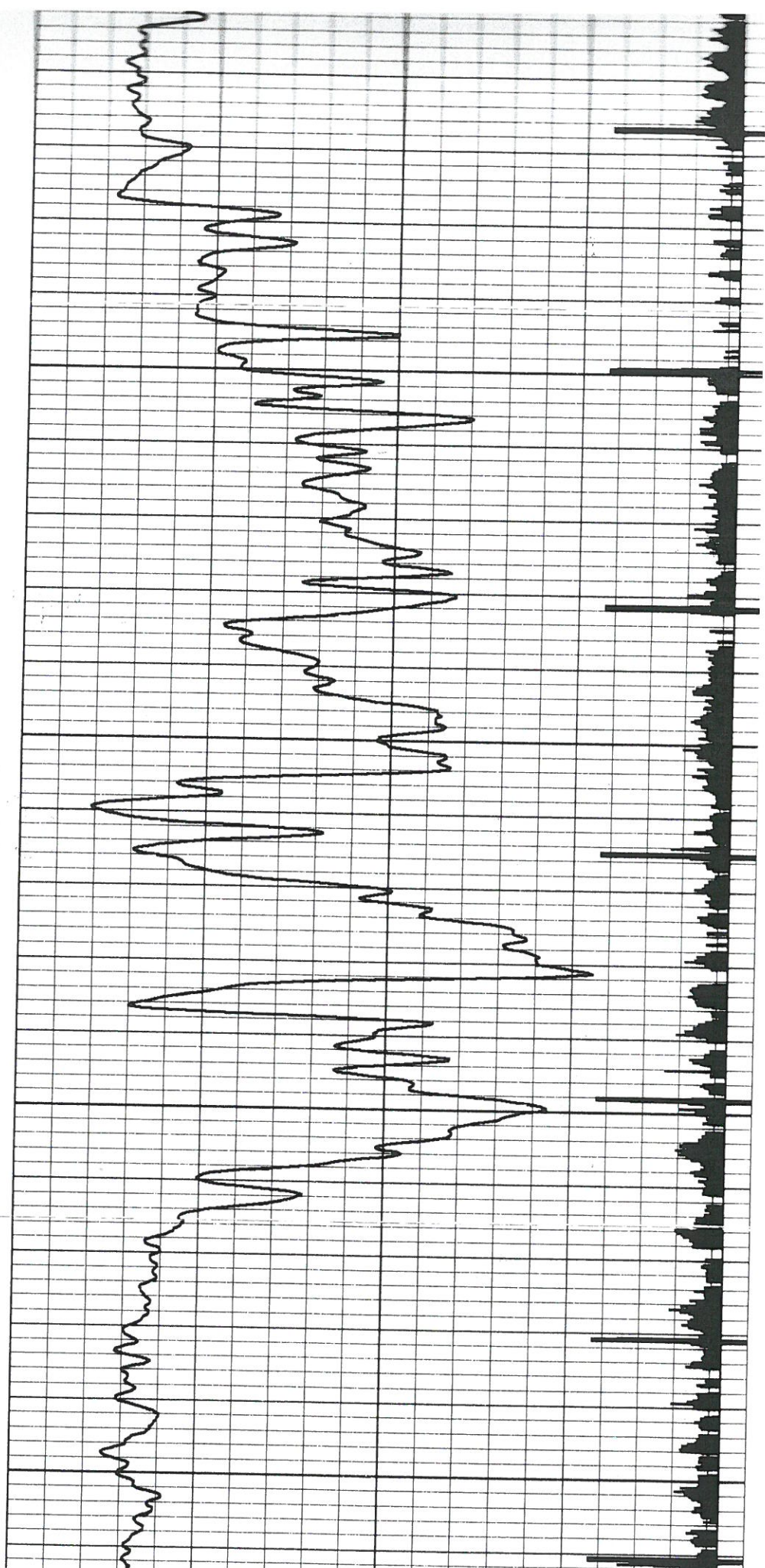


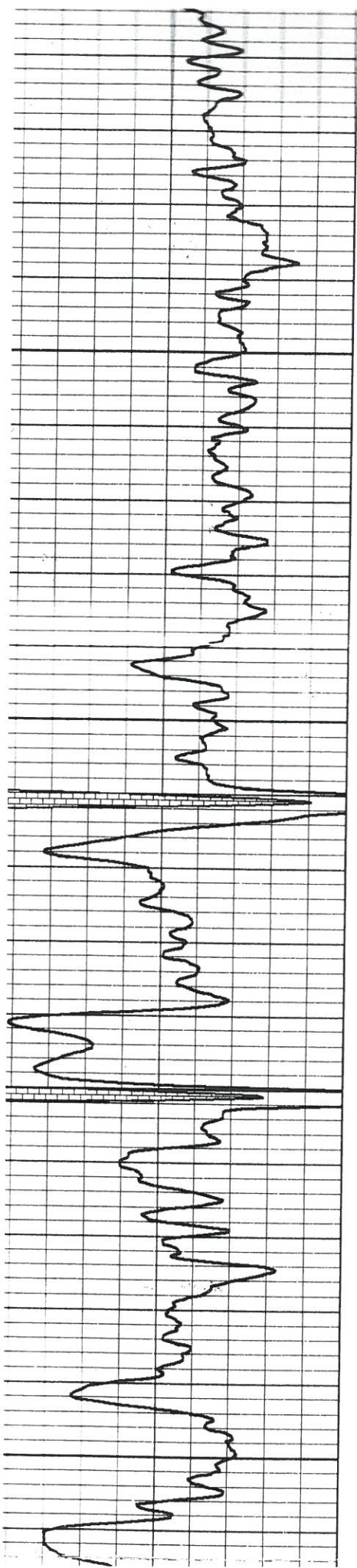
750

800

850

900



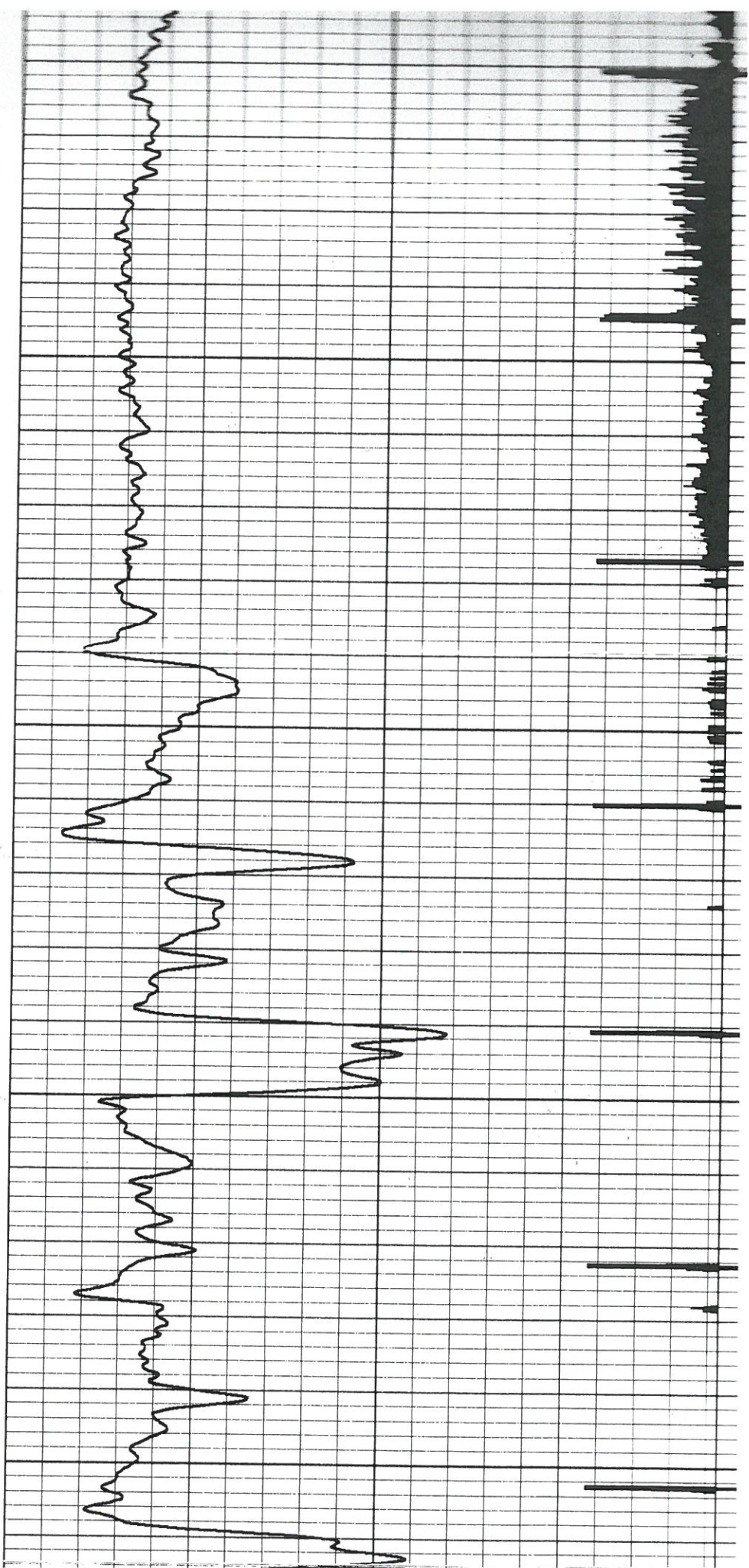


950

1000

1050

1100



RIG 6 DRILLING, CO INCORPORATED

UNITED STATES POST OFFICE BOX NO. 227
IOLA KANSAS, 66749

BUD SIFERS

620 365 9897

COMPANY: Birk Petroleum
ADDRESS: 874 12th rd
Burlington, KS66839

COMMENCED: 7/3/2014
COMPLETED: 7/9/2014
WELL #: 10
API#: 15-031-23,922
STATUS: Oil Well
TOTAL DEPTH: 1604-6 3/4"
CASING: 40"-8 5/8" csg cmt w/ 20 s)
PLUGGED:

LEASE: Rich
COUNTY: Coffey
LOCATION: 990 FSL/990 FEL
8/23/15e

DRILLER'S LOG

7	soil & clay	1137	Sh
13	Sand Shale (Sa Sh)	1142	Ls
52	Sh	1154	Sh
62	Limestone (Ls) w/Sh Brk	1158	Ls
90	Sh w/ Red Sh	1166	Sh w/Blk Sh
101	Ls w/ Sh Brks	1180	Ls w/Sh
409	Sh w/ Sd Sh	1197	Sh w/Blk Sh
564	Ls Sdy w/Ls	1200	Ls & Sh
692	Ls w/ Sh Brks	1210	Blk Sh
738	Sh	1212	Ls
765	Ls w/Sh Brks	1215	Sh & Sa (Lt Odor)
796	Sh	1225	Sa (Free Flow)
833	Ls	1232	Sa (Free Flow)
839	Blk Sh Coal (Co)	1254	Sh w/Sa
846	Ls	1265	Sa & Sh (Lot Odor)
850	Blk Co	1275	Sa & Sh
859	Ls	1829	Sh
1041	Sh	1556	Sh
1049	Ls	1553	Co
1064	Sh w/Ls	1567	Sh
1067	Ls	1604	Ls
1085	Sh		
1095	Ls		
1100	Blk Sh	1604	T.D.

-112

4 1/2 Run Pipe to 1298

Perfs. 1216 to 1226 21 shots