



WIRELINE
SERVICES, INC.
CHANDLER, KANSAS

GAMMA RAY
NEUTRON
COMPLETION LOG

Company BIRK, EDWARD E.

Well LANHAM #5

Field BATESVILLE

County WOODSON State KANSAS

Location: API #: 15-207-28088-00-00

Other Services
OPEN HOLE
4-6-12

1930' FSL & 1105' FEL
NW SW NE SE

SEC 34 TWP 25S RGE 14E

Elevation 1051' EST

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

Elevation
K.B.
D.F.
G.L. 1051' EST

Date 4-10-2012

Run Number 2 NW

Depth Driller 1517.7'

Depth Logger 0

Top Log Interval 1517.7'

Bottom Log Interval FULL

Fluid Level WATER

Type Fluid 2 7/8" @ N.A.

Production Logging @

Mass Measured Temp

Estimated Cement Top

Estimated Cement Top

Amount & Type Cement

Amount & Type Admix

Drilling Contractor RIG SIX

Equipment Number 107

Location

Recorded By UDEN, D

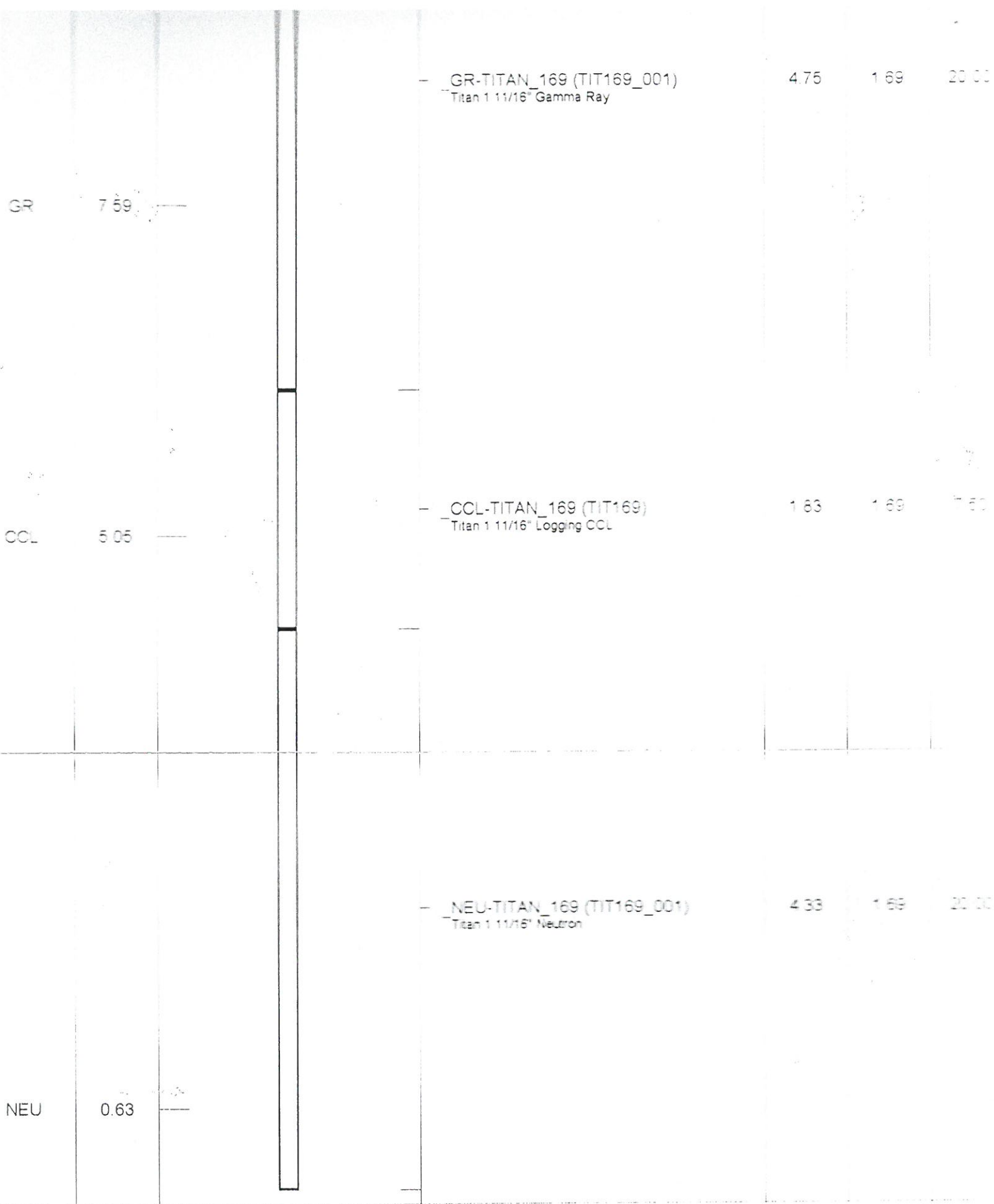
<< Fold Here >>>

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

4.75 1.63 20.00

GR 7.59

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

1.63 1.63 7.50

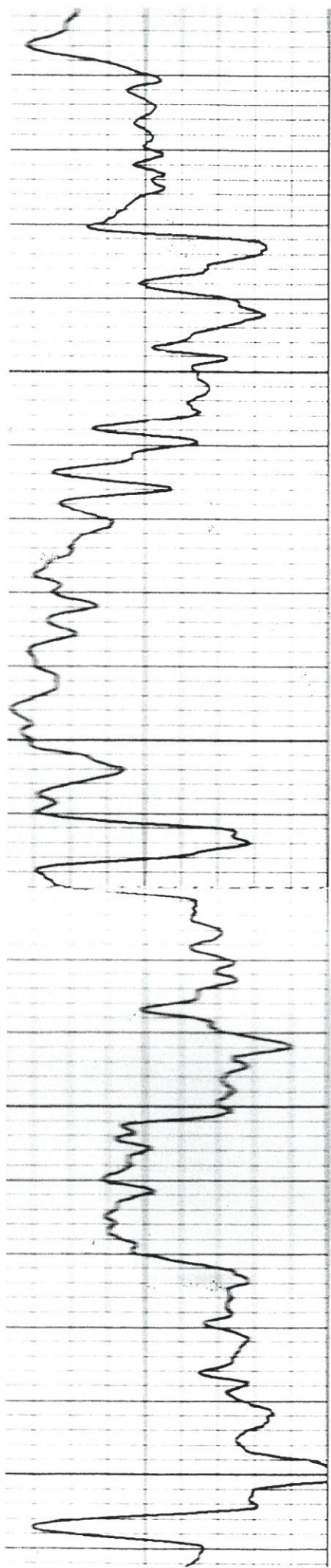
CCL 5.05

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

4.33 1.63 20.00

NEU 0.63

Dataset: lanham #5.db: field/well/run1/pass1
Total Length: 10.92 ft
Total Weight: 47.50 lb
O.D. 1.69 in

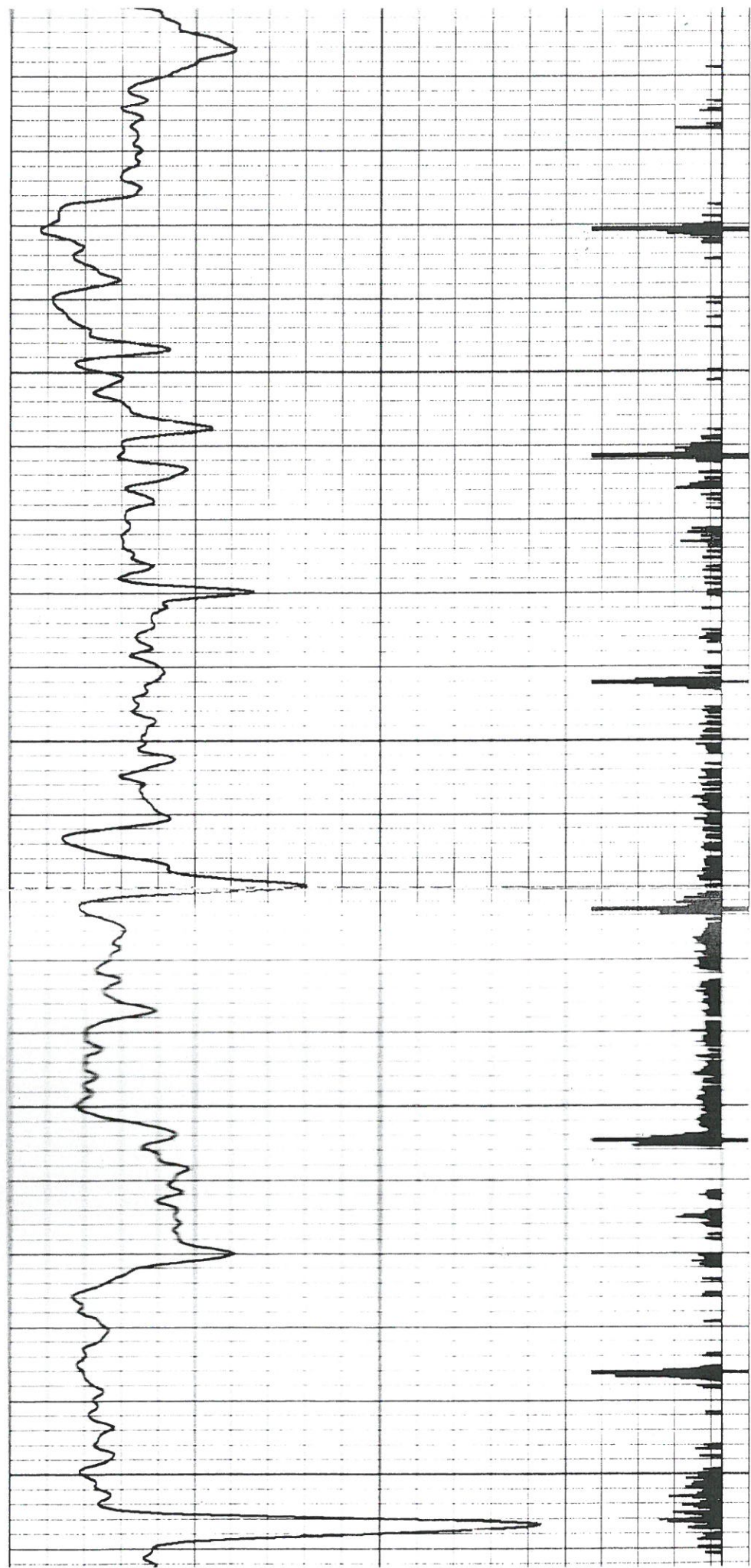


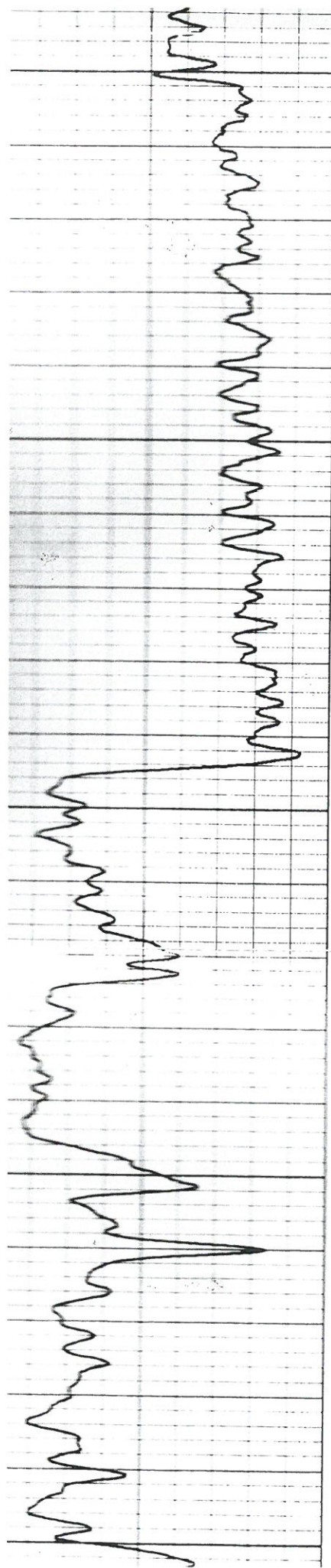
50

100

150

200





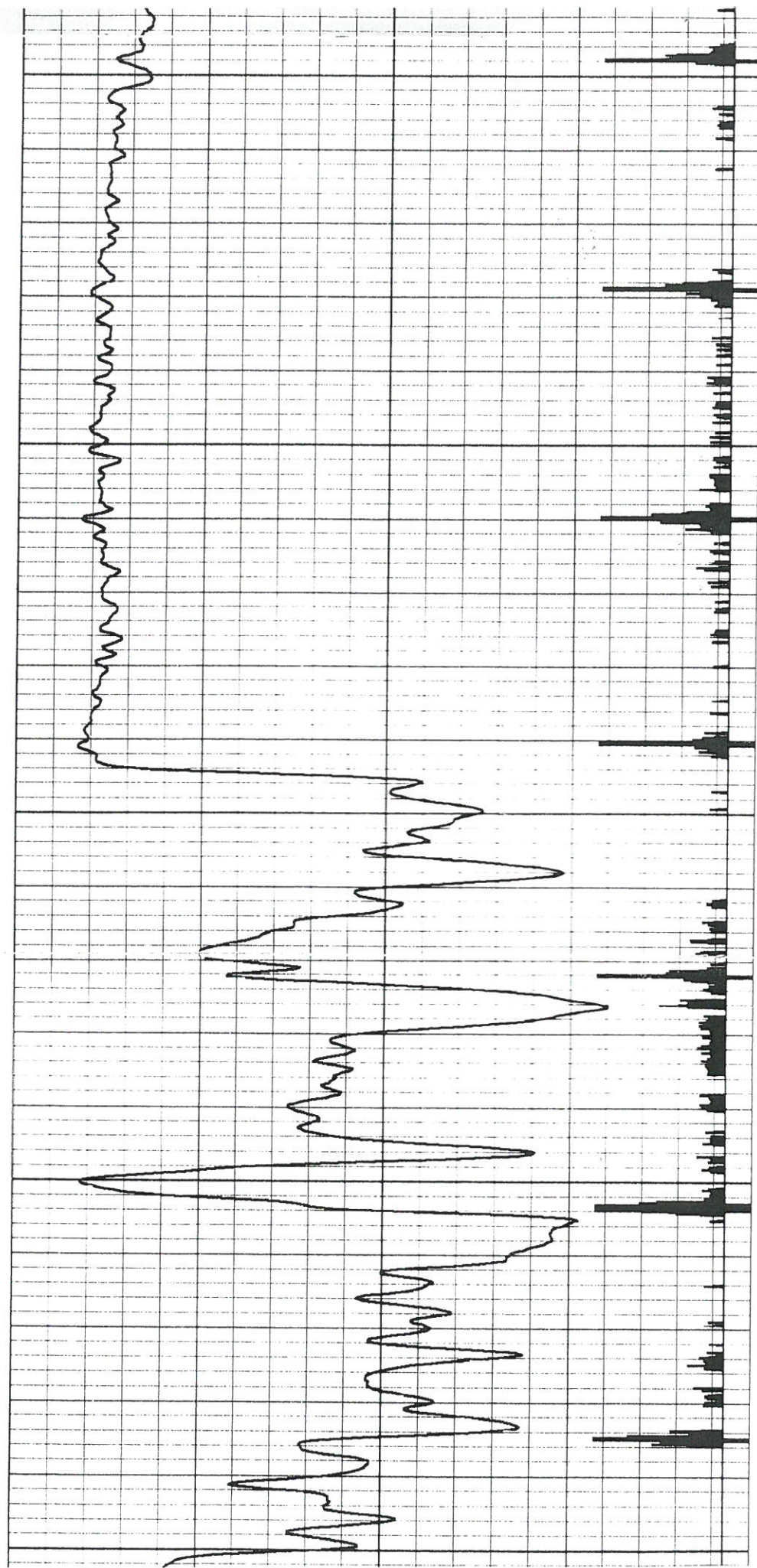
250

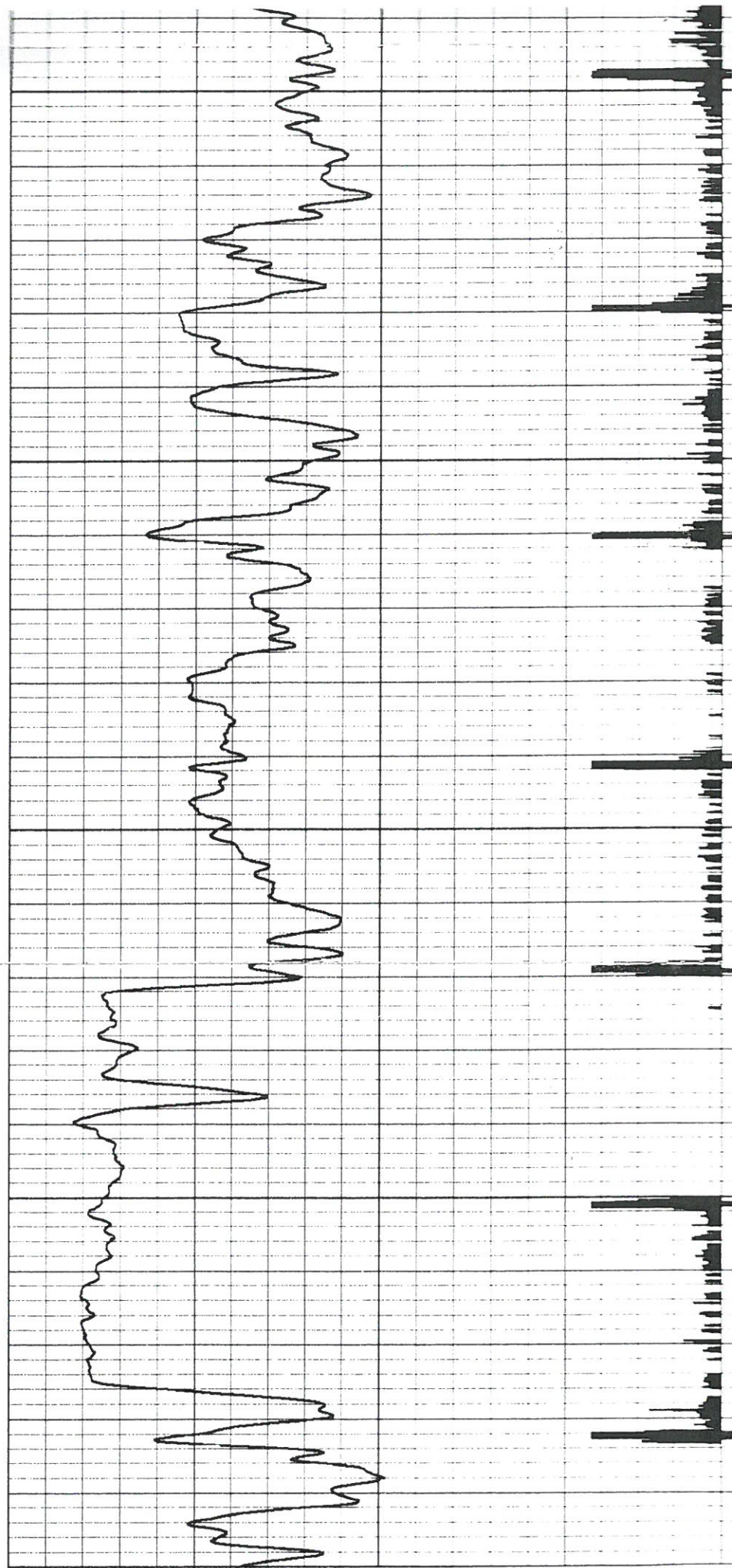
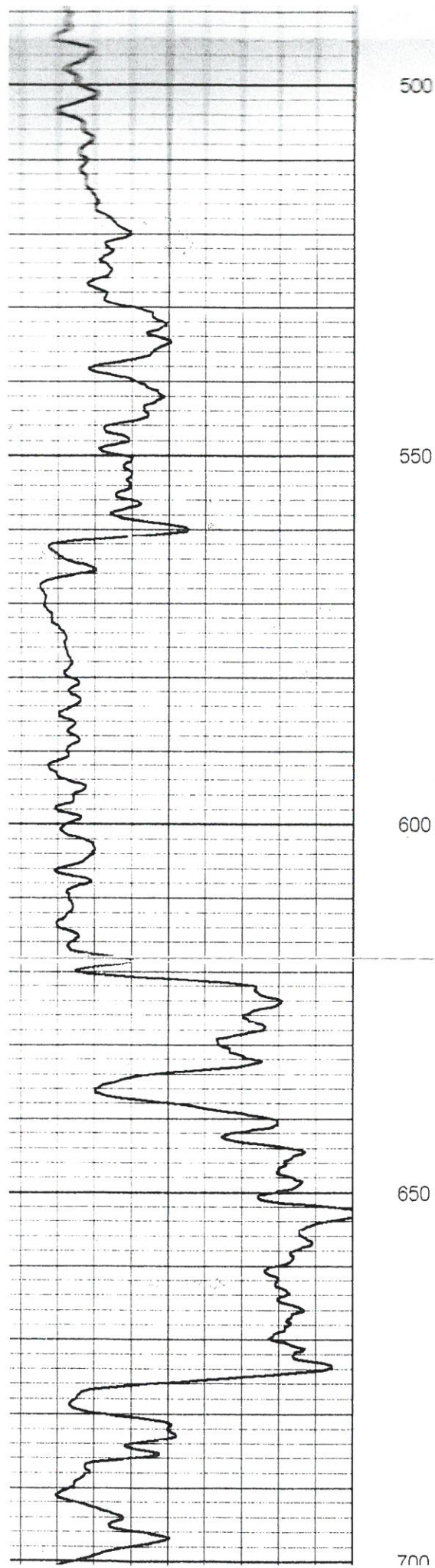
300

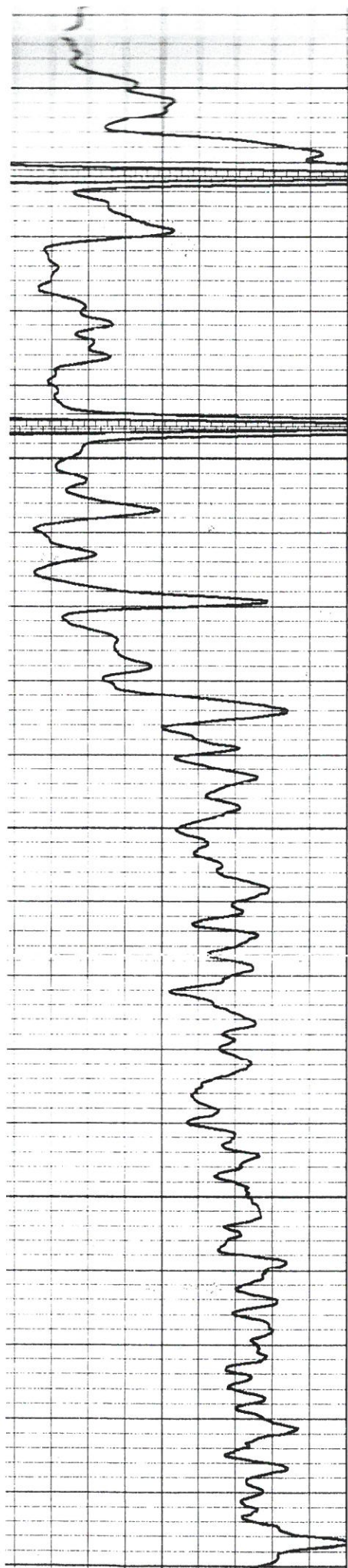
350

400

450







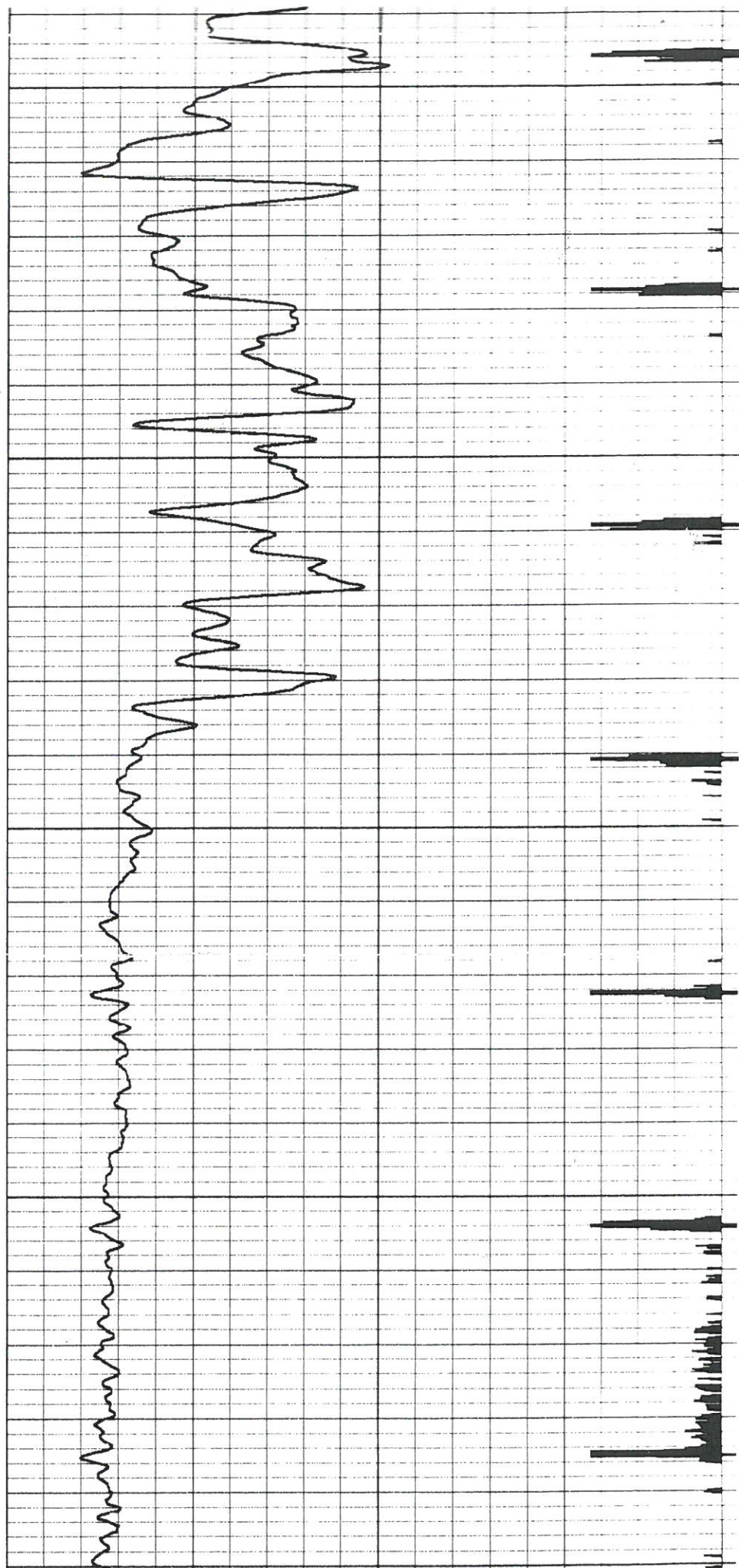
750

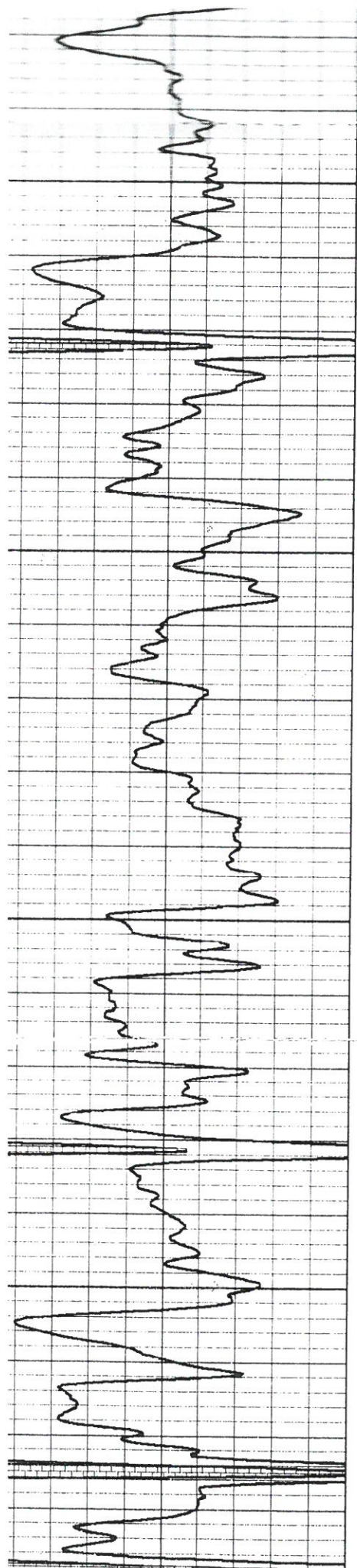
800

850

900

950



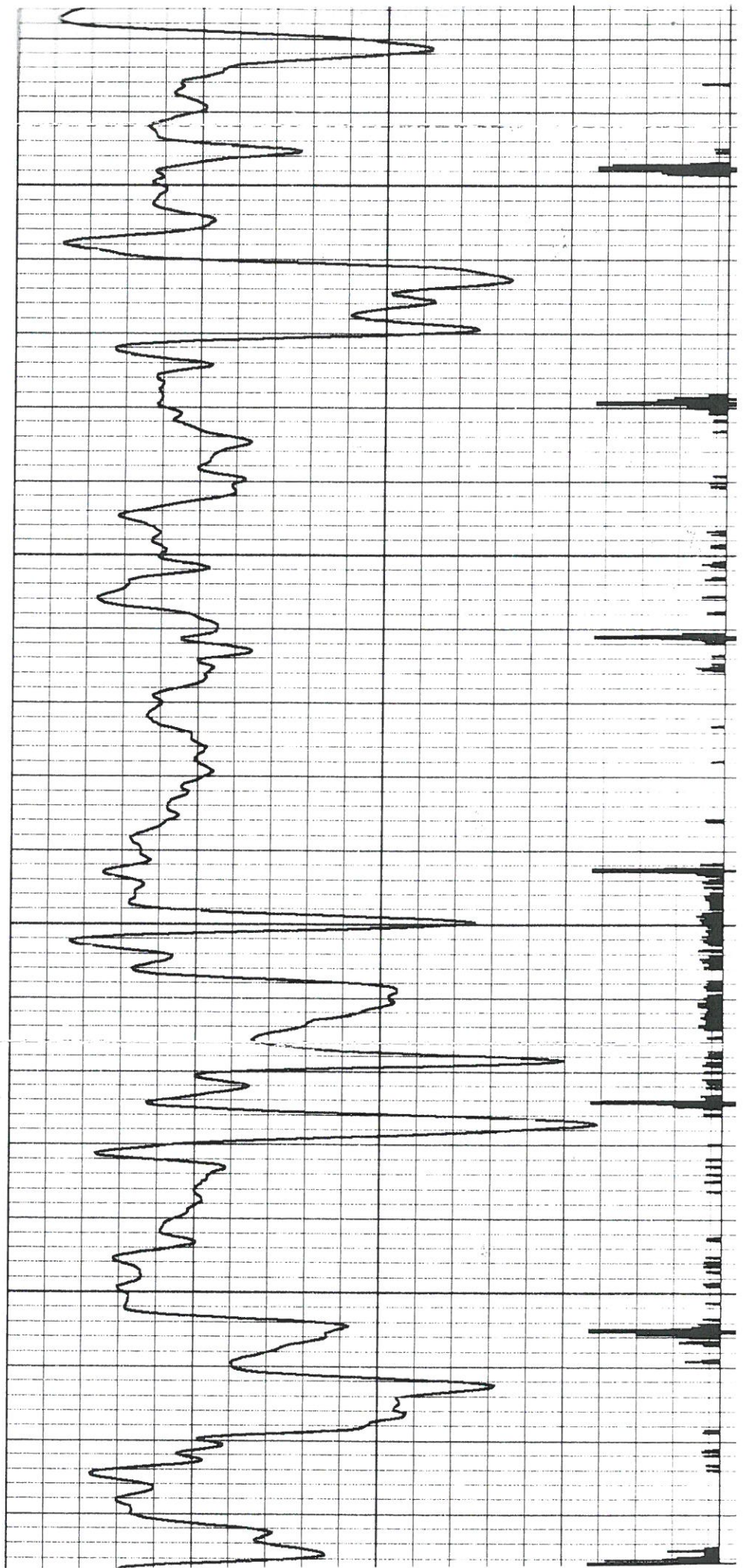


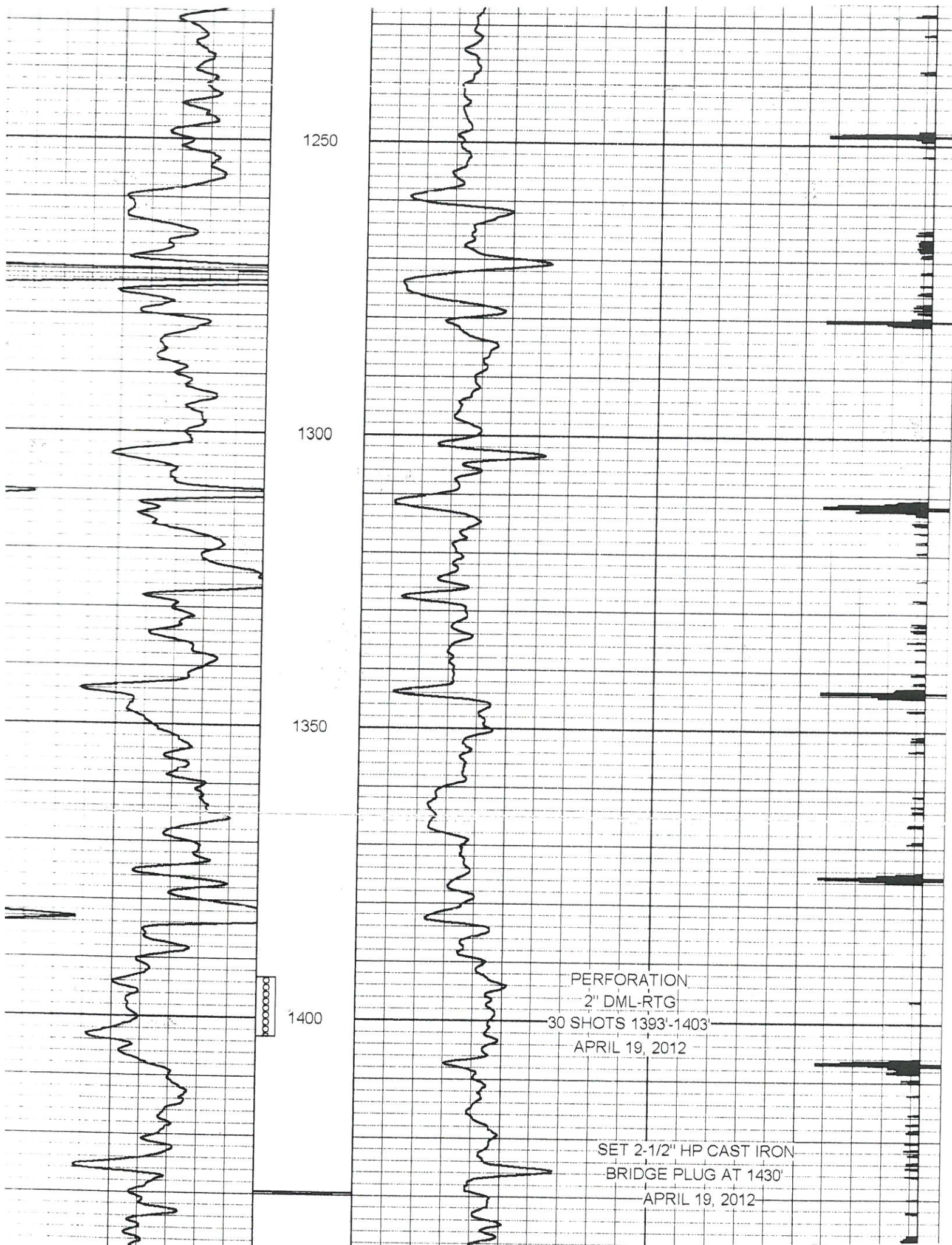
1000

1050

1100

1150





1250

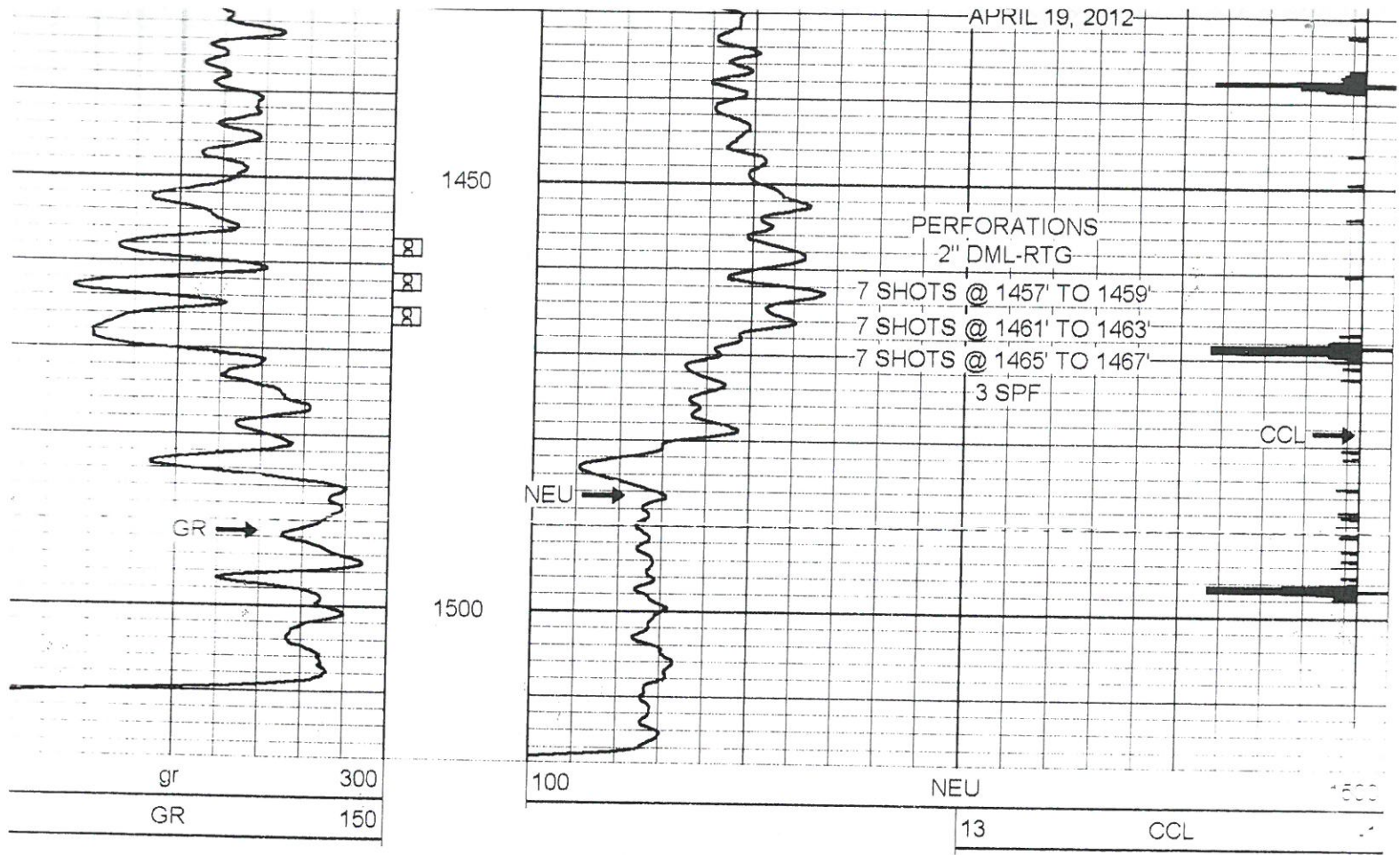
1300

1350

1400

PERFORATION
2" DML-RTG
30 SHOTS 1393'-1403'
APRIL 19, 2012

SET 2-1/2" HP CAST IRON
BRIDGE PLUG AT 1430'
APRIL 19, 2012



Company	BIRK, EDWARD E.
Well	LANHAM #5
Field	BATESVILLE
County	WOODSON SEC. 34 TWP. 25S RGE. 14E
State	KANSAS
Date	4-10-2012

WATERSEEN

Water Pale

6



4



5



2



3





JACK LARSON

(This Space Reserved for Filing Stamp)

ASSIGNMENT OF OIL AND GAS LEASE

KNOW ALL MEN BY THESE PRESENTS:
That the undersigned,

Lincoln 77, Inc.

hereinafter called Assignor (whether one or more), for and in consideration of One Dollar (\$1.00) the receipt whereof is hereby acknowledged, does hereby sell, assign, transfer and set over unto.

EDWARD E. BIRK AND BRIAN L. BIRK

(hereinafter called Assignee) all our working interest (.8125%) interest in and to the oil and gas lease dated August 21, 1981, from Jack A. Larsen, et. al.

to Mainline USA, Inc. , lessor
recorded in book M-102 , page 587 , insofar as said lease covers the following described land in Allen County, State of Kansas :
lessor
lessee

W 1/2 S 1/2 SE 1/4 Section 13, Township 26 South, Range 18 East

of Section 13 Township 26 S Range 18 E and containing 40 acres, more or less together with the rights incident thereto and the personal property thereon, appurtenant thereto, or used or obtained in connection therewith.

And for the same consideration the Assignor covenants with the Assignee, its or his heirs, successors or assigns: That the Assignor is the lawful owner of and has good title to the interest above assigned in and to said lease, estate, rights and property, free and clear from all liens, encumbrances or adverse claims; That said lease is a valid and subsisting lease on the land above described, and all rentals and royalties due thereunder have been paid and all conditions necessary to keep the same in full force have been duly performed, and that the Assignor will warrant and forever defend the same against all persons whomsoever, lawfully claiming or to claim the same.

EXECUTED, This 2nd day of JANUARY, 192002

Lincoln 77, Inc.

LINCOLN 77, INC.

Richard E. Winn V.P.

RICHARD E. WINN VP

STATE OF _____ } ss. ACKNOWLEDGMENT FOR INDIVIDUAL (Kans. Okla. and Colo.)
COUNTY OF _____
Before me, the undersigned, a Notary Public, within and for said County and State, on this _____
day of _____, 19____, personally appeared _____
and _____
to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me
that _____ executed the same as _____ free and voluntary act and deed for the uses and purposes therein set forth.
IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.
My commission expires _____ Notary Public

STATE OF _____ } ss. ACKNOWLEDGMENT FOR INDIVIDUAL (Kans. Okla. and Colo.)
COUNTY OF _____
Before me, the undersigned, a Notary Public, within and for said County and State, on this _____
day of _____, 19____, personally appeared _____
and _____
to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me
that _____ executed the same as _____ free and voluntary act and deed for the uses and purposes therein set forth.
IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.
My commission expires _____ Notary Public

STATE OF Nebraska } ss. ACKNOWLEDGMENT FOR CORPORATION
COUNTY OF Lincoln
Be it remembered that on this 2nd day of Jan, 1922, before me, the undersigned, a
Notary Public, duly commissioned, in and for the county and state aforesaid, came Richard E. Krum
V.P. president of Lincoln 77 Inc
a corporation of the State of Nebraska, personally known to me to be such officer, and to be
the same person who executed as such officer the foregoing instrument of writing in behalf of said corporation, and he duly ac-
knowledgeed the execution of the same for himself and for said corporation for the uses and purposes therein set forth.
IN WITNESS WHEREOF, I have hereunto set my hand and official seal on the day and year last above written.
My commission expires 2/22/22 Linda M. Specht Notary Public

No. _____		ASSIGNMENT OF OIL AND GAS LEASE		FROM		TO	
Date	19____	Section	Twp	Page	19____	No. of Acres	Turn
						County	

STATE OF _____ } ss.
County of _____
This instrument was filed for record on the _____ day of _____, 19____, at _____ o'clock _____ M., and duly recorded in Book _____ Page _____ of the records of this office.
By _____ Register of Deeds.
When recorded, return to _____
THE KANSAS BLUE PRINT CO. WICHITA, KANSAS
PHOTOSTAT SERVICE UP-TO-DATE OIL MAPS

NOTE: When signature by mark in Kansas, said mark to be witnessed by at least one person and also acknowledged.
For acknowledgment by mark, use regular Kansas acknowledgment.

STATE OF _____ } ss. ACKNOWLEDGMENT FOR INDIVIDUAL (Kans. Okla. and Colo.)
COUNTY OF _____
Before me, the undersigned, a Notary Public, within and for said County and State, on this _____
day of _____, 19____, personally appeared _____
and _____
to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me
that _____ executed the same as _____ free and voluntary act and deed for the uses and purposes therein set forth.
IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.
My commission expires _____ Notary Public

ASSIGNMENT OF OVERRIDING ROYALTY INTEREST
IN OIL AND GAS LEASE

WHEREAS, the undersigned, HERMANCO, LLC, is the owner of 1/16
(.0625) working interest in and to the certain oil and gas lease
dated AUGUST 21, 1981, recorded in Book M 101, at page 587
in the office of the Register of Deeds of ALLEN County, Kansas, given by JACK A.
LARSON ET. AL. lessors, to MAINLINE
USA, INC. lessee, covering:

THE SOUTHWEST QUARTER (SW $\frac{1}{4}$) OF THE SOUTHEAST QUARTER, (SE $\frac{1}{4}$), OF SECTION 13,
TOWNSHIP 26 SOUTH, RANGE 18 EAST, ALL IN ALLEN COUNTY, KANSAS.

NOW THEREFORE, in consideration of one dollar and other good and valuable considerations, the receipt of
which is hereby acknowledged, the undersigned does hereby sell, assign, transfer and set over unto
EDWARD BIRK AND BRIAN BIRK

an overriding royalty interest in and to said oil
and gas lease of ALL OUR ROYALTY INTREST 1/16 (.0625) of all oil, gas and
casinghead gas produced, saved and marketed from the above described lands under the provisions of the above
described lease, or any extension or renewal thereof, free and clear of any cost and expense of development and
the operation thereof, excepting only the taxes applicable to said interest hereby assigned and the production
therefrom.

And, for the same consideration, the undersigned covenants with the aforesaid assignees, that the undersigned is
the lawful owner of and has good title to the interest hereby assigned.

Executed this 31st day of December, 2001.

HERMANCO, LLC.

Michael Herman

By MICHAEL HERMAN, MANAGER

STATE OF KANSAS, COUNTY OF _____

Now on this _____ day of _____, before me, a Notary Public
in and for the county and state aforesaid, came _____
to me personally known to be the same person who executed the within and foregoing instrument, and
acknowledged to me his execution of the same as, _____

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last
above written.

Notary Public

My Appointment Expires: _____