



PIONEER
Pioneer Energy Services

DUAL INDUCTION LOG

Company TRANS PACIFIC OIL CORP.

Well DUMLER #3-14

Field KANSADA

County NESS

State KANSAS

Location: API #: 15-135-26012-00-00

Other Services

SEC 14 TWP 17S RGE 26W
1040' FNL & 226' FWL

Permanent Datum GROUND LEVEL Elevation 2560'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2568'
D.F. N/A
G.L. 2560'

Date 9/7/2018

Run Number ONE

Depth Driller 4505'

Depth Logger 4505'

Bottom Logged Interval 4504'

Top Log Interval 250'

Casing Driller 8.625" @ 262'

Casing Logger 260'

Bit Size 7.875"

Type Fluid in Hole CHEMICAL

Salinity, ppm CL 3100

Density / Viscosity 9.1 53

pH / Fluid Loss 9.5 9.6

Source of Sample FLOWLINE

Rm @ Meas. Temp 0.75 @ 78

Rmf @ Meas. Temp 0.56 @ 78

Rmc @ Meas. Temp 1.01 @ 78

Source of Rmf / Rmc CHARTS

Rm @ BHT 0.48 @ 78

Operating Rig Time 4 HOURS

Max Rec. Temp. F 121

Equipment Number 91

Location HAYS

Recorded By IAN MABB

Witnessed By NICK HIXON

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

UTICA, KS.

EAST OF TOWN AT THE VET CLINIC, SOUTH 4.5 MILES
WEST INTO

Log Measured From: KELLY BUSHING 8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: IAN MABB
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: NICK HIXON
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

SPSHIFT mV -35	AIR_HOLE? No	NPORSEL Limestone	MudWgt lb/gal 9.5	SRFTEMP degF 78	CASETHCK in 0	CASEOD in 5.5	PERFS 0
TDEPTH ft 4505	BOTTEMP degF 121	BOREID in 7.875					

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	15.00		GR-M&W (89)	3.00	3.50	50.00
			LGRD-M&W (177) Simlec Long Guard	4.00	3.50	40.00
LGRD	11.00					
SCAL	5.10		SWN-M&W-SP (SP162-87)	10.50	4.00	190.00
SWN	4.45					

SP

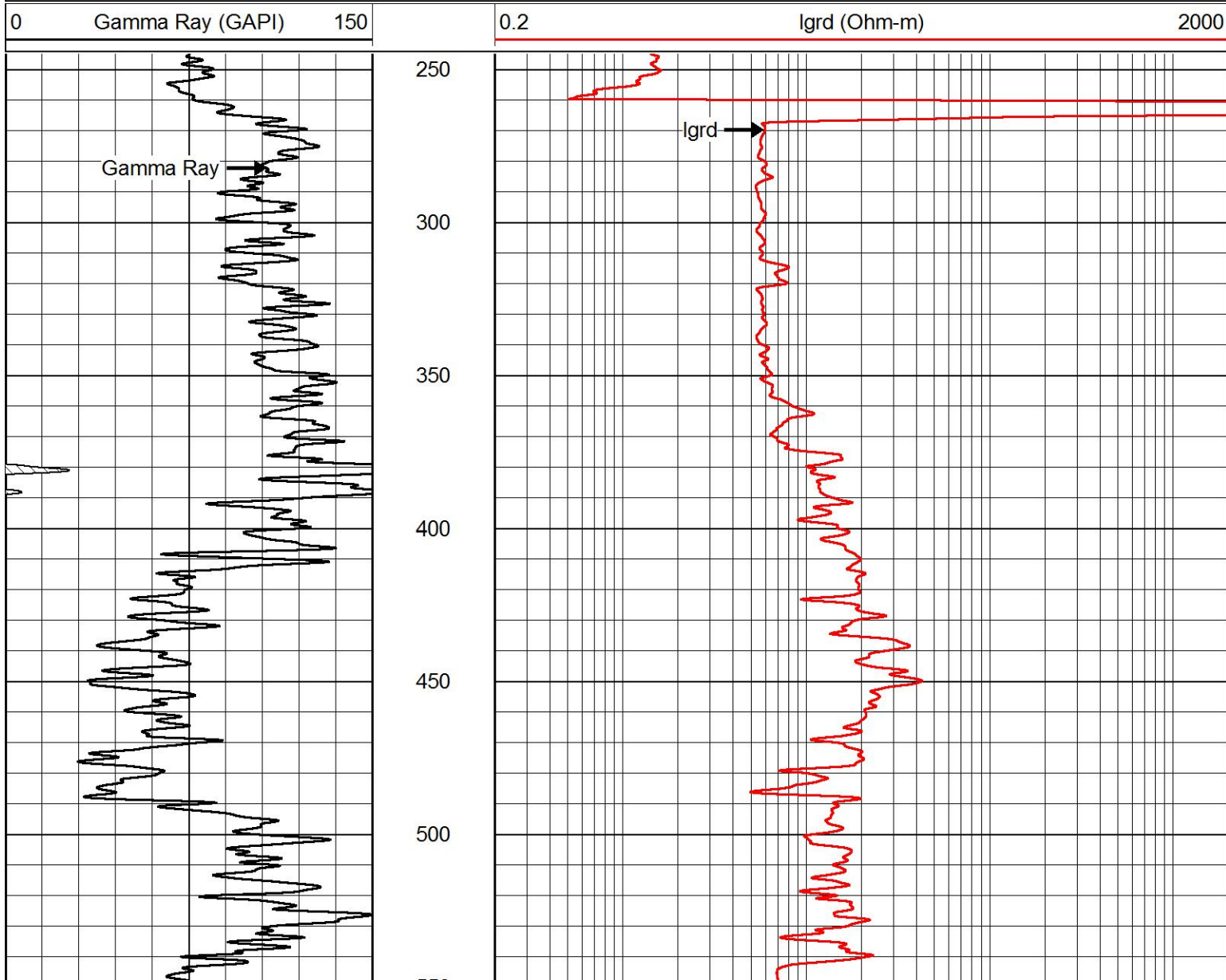
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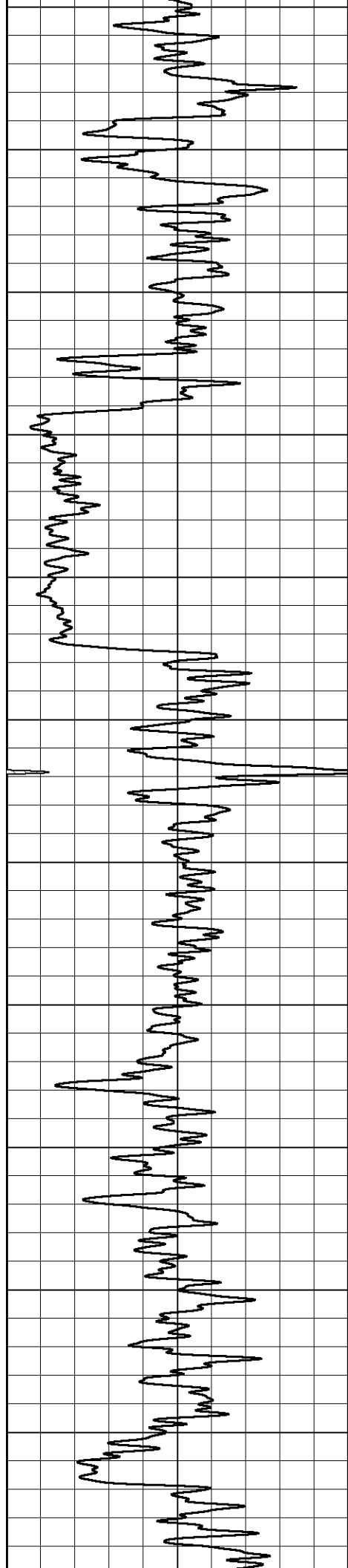
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Total length: 17.50 ft
Total weight: 280.00 lb
O.D.: 4.00 in



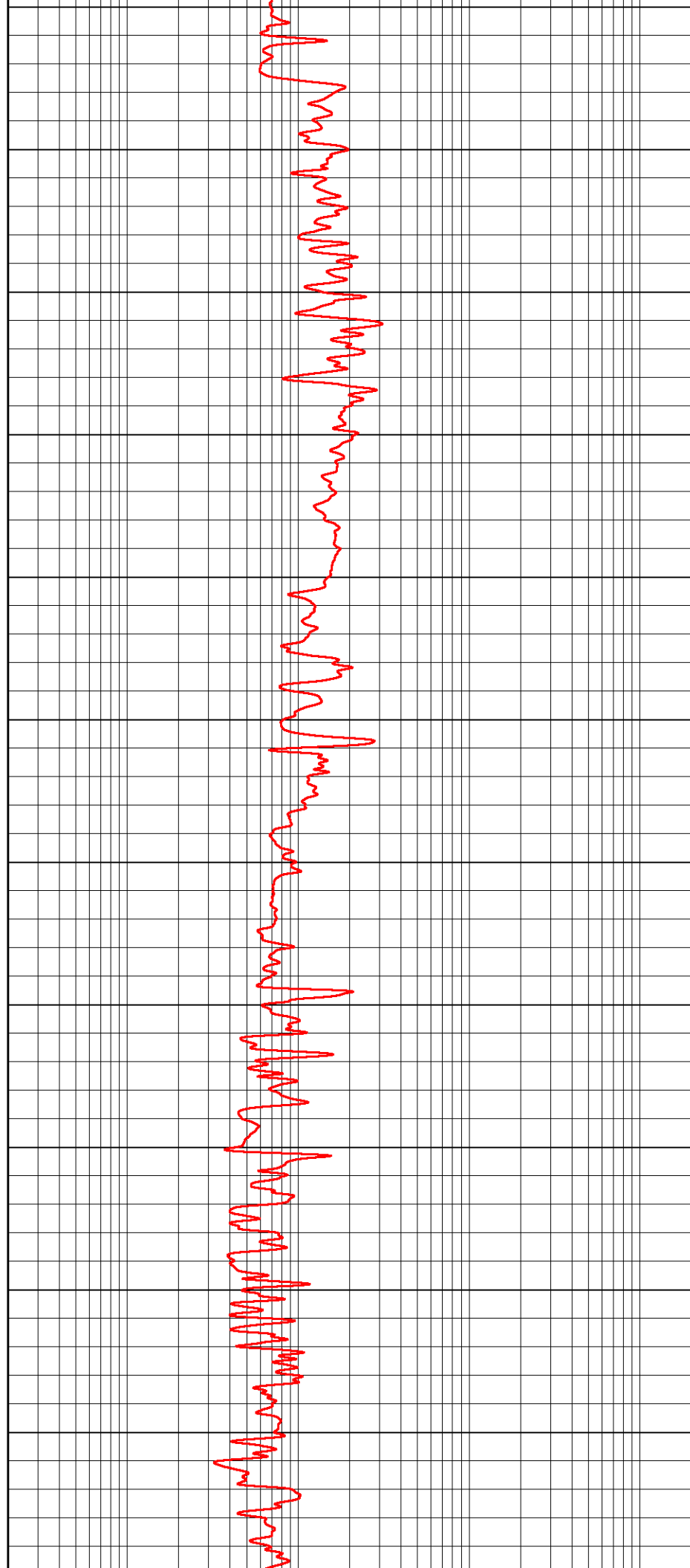
MAIN PASS

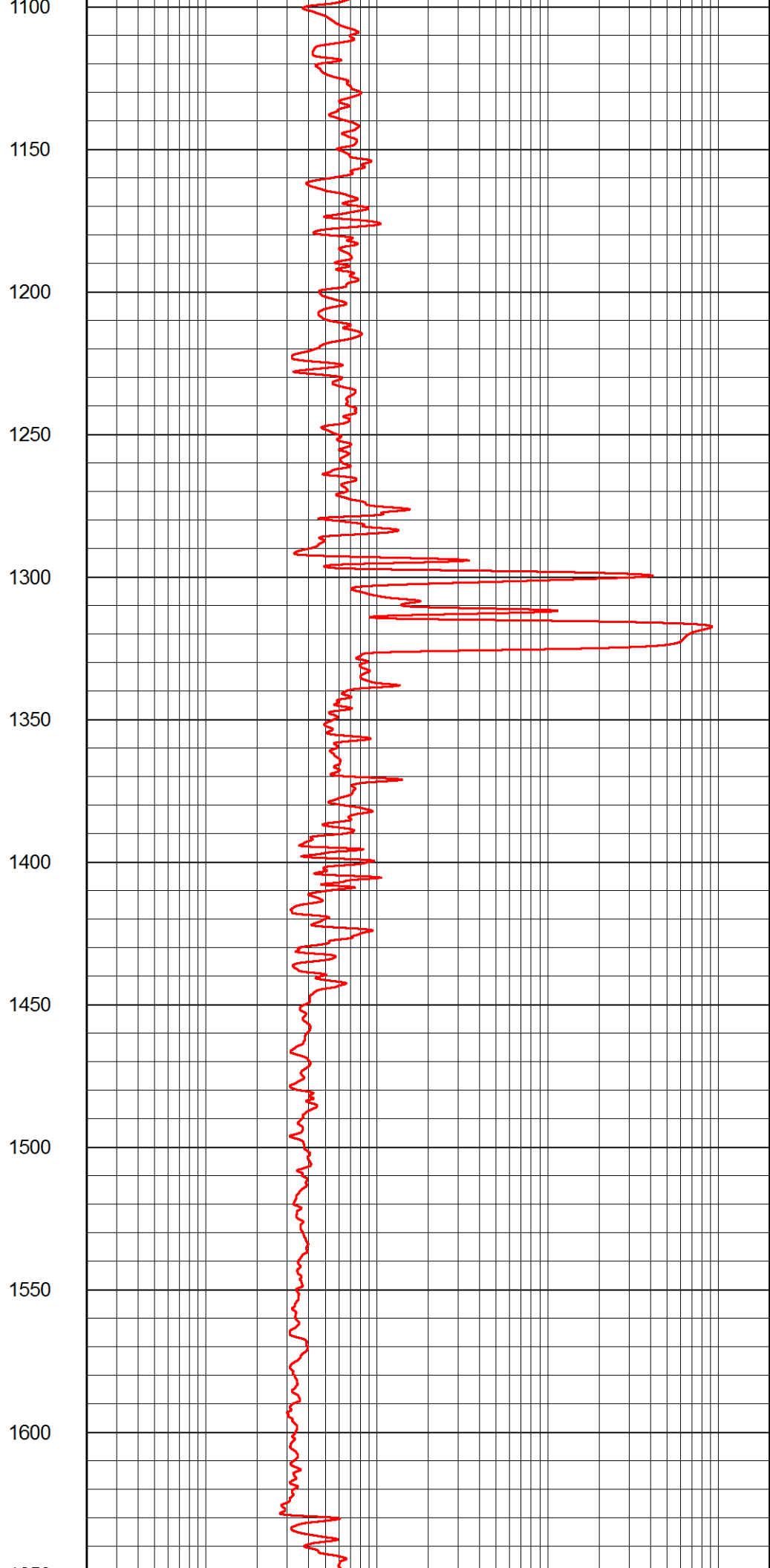
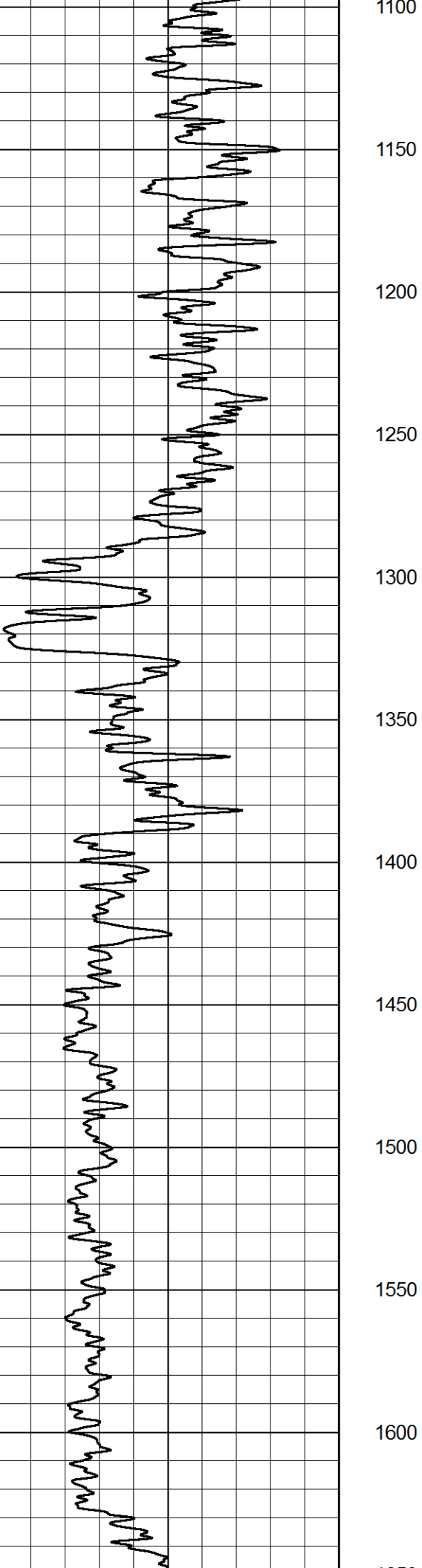
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Dataset Pathname RAG/pass4.1
Presentation Format rag2in
Dataset Creation Fri Sep 07 13:54:56 2018
Charted by Depth in Feet scaled 1:600

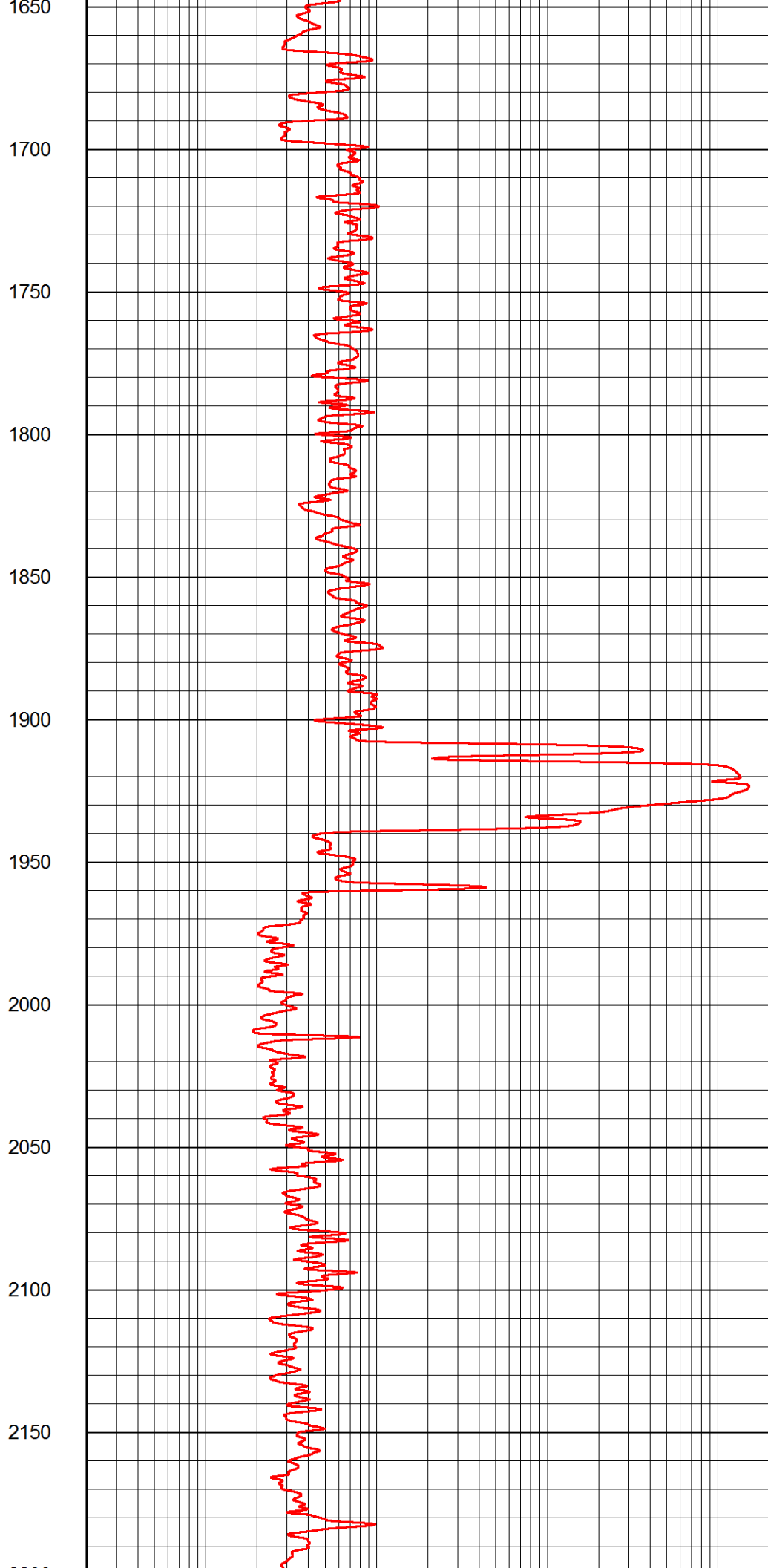
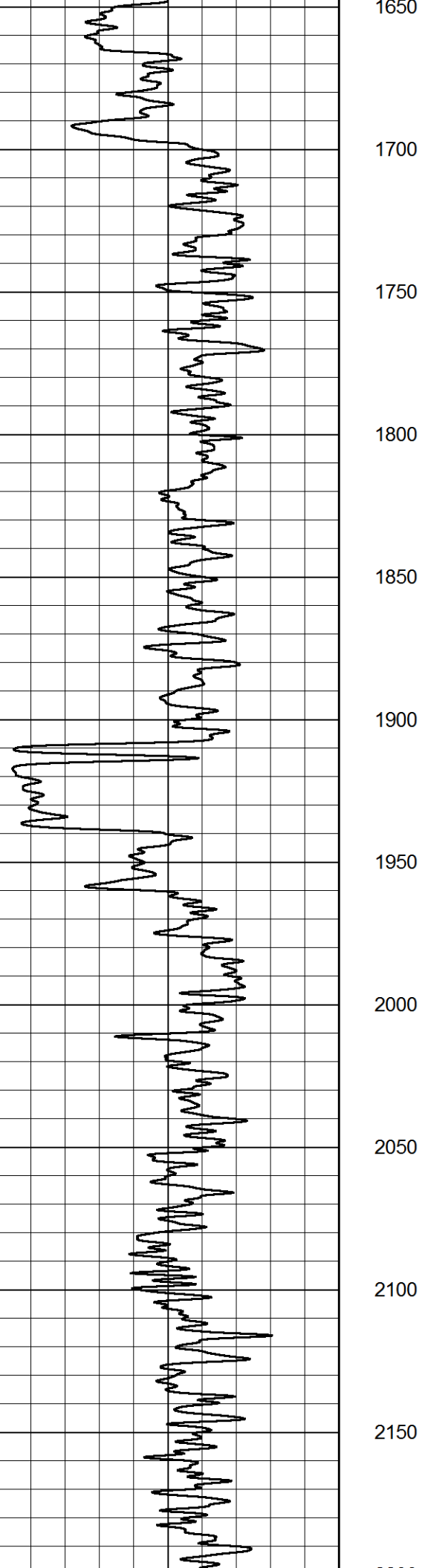


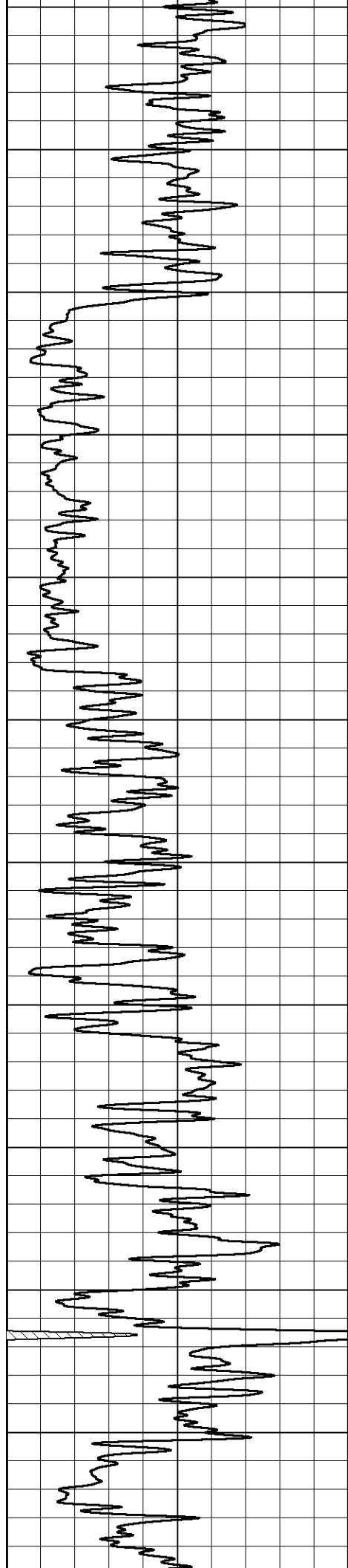


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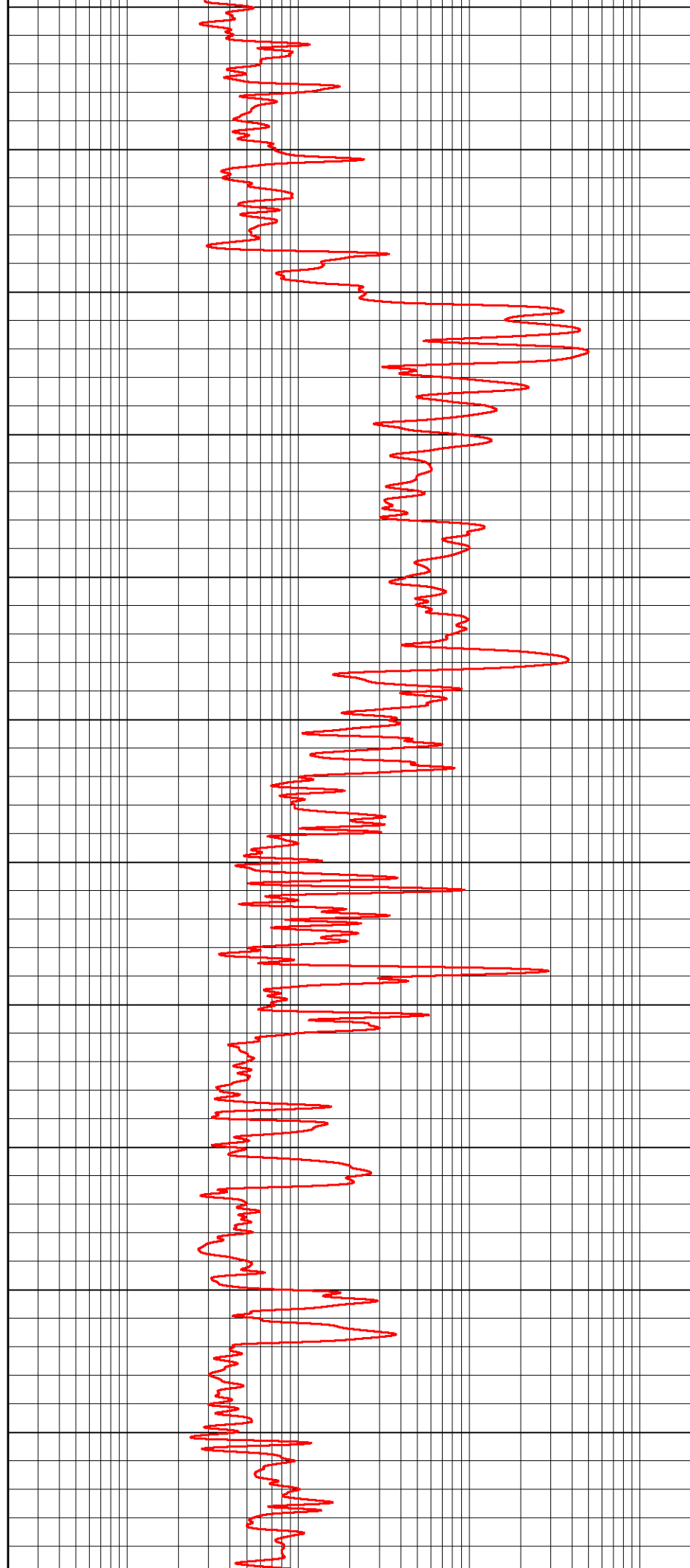


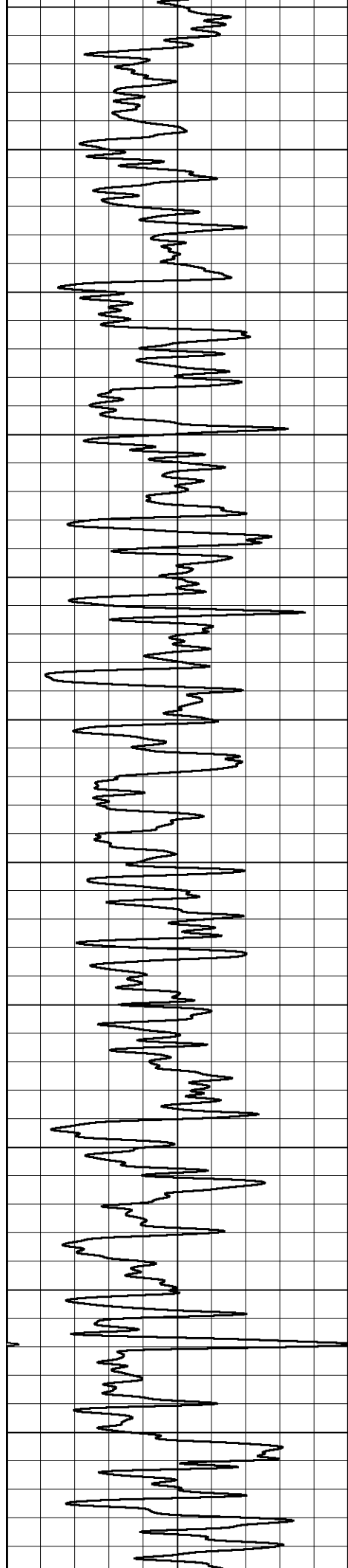




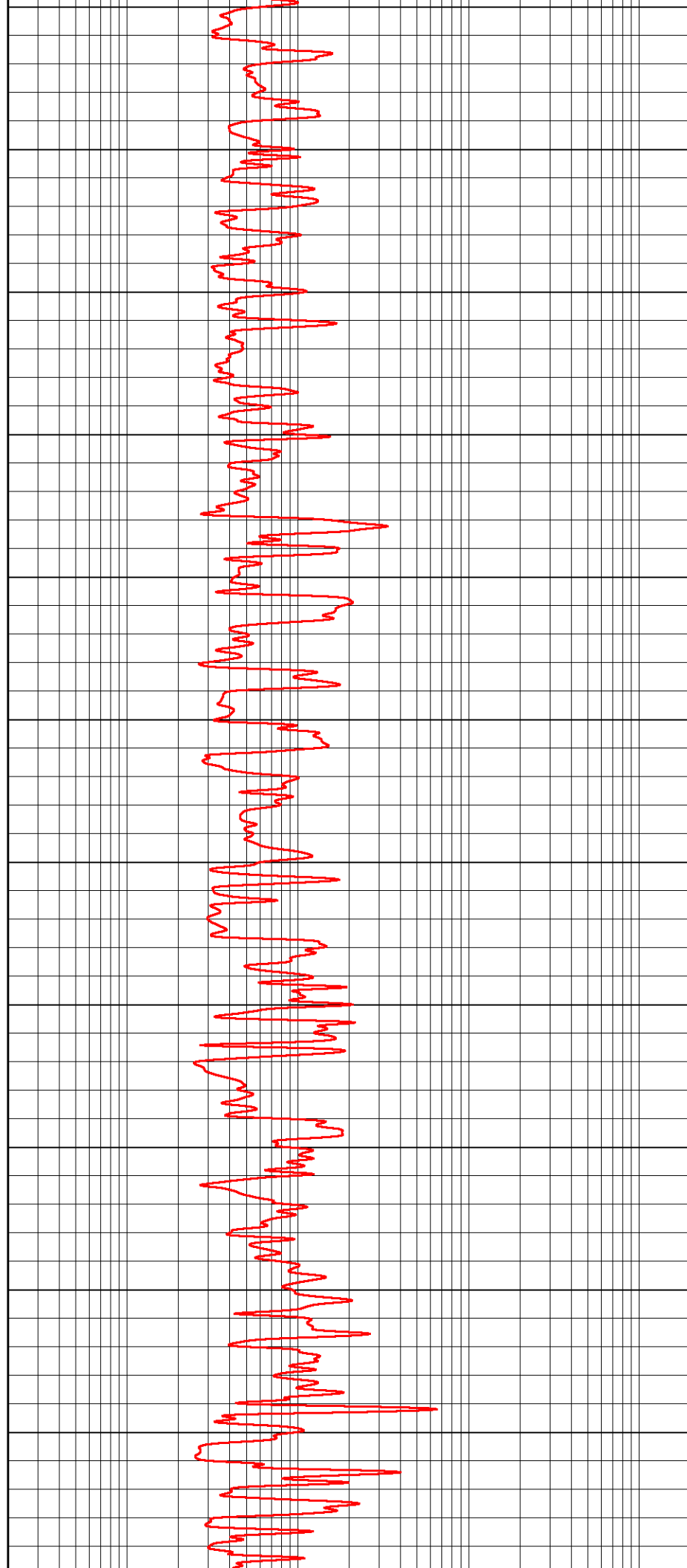


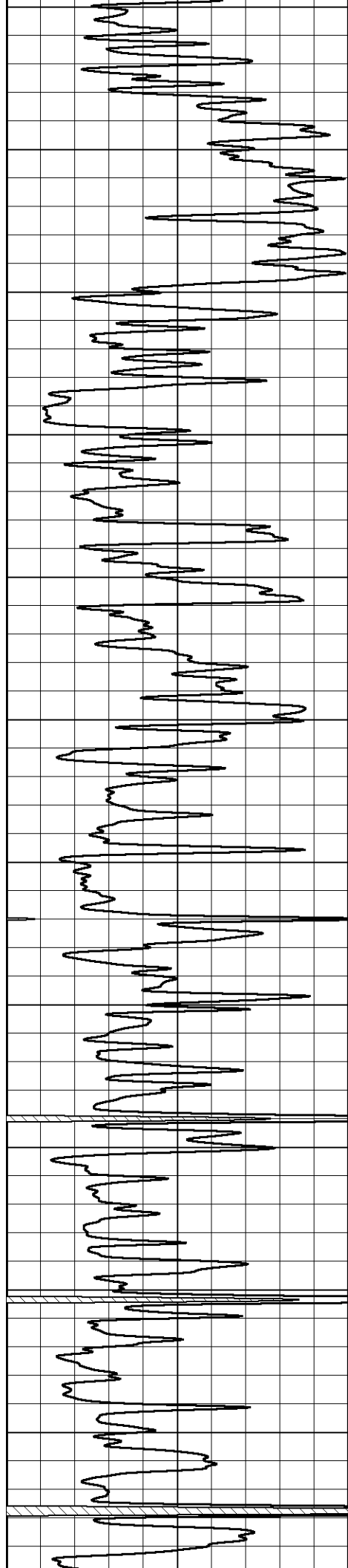
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2450
2500
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2600
2650
2700



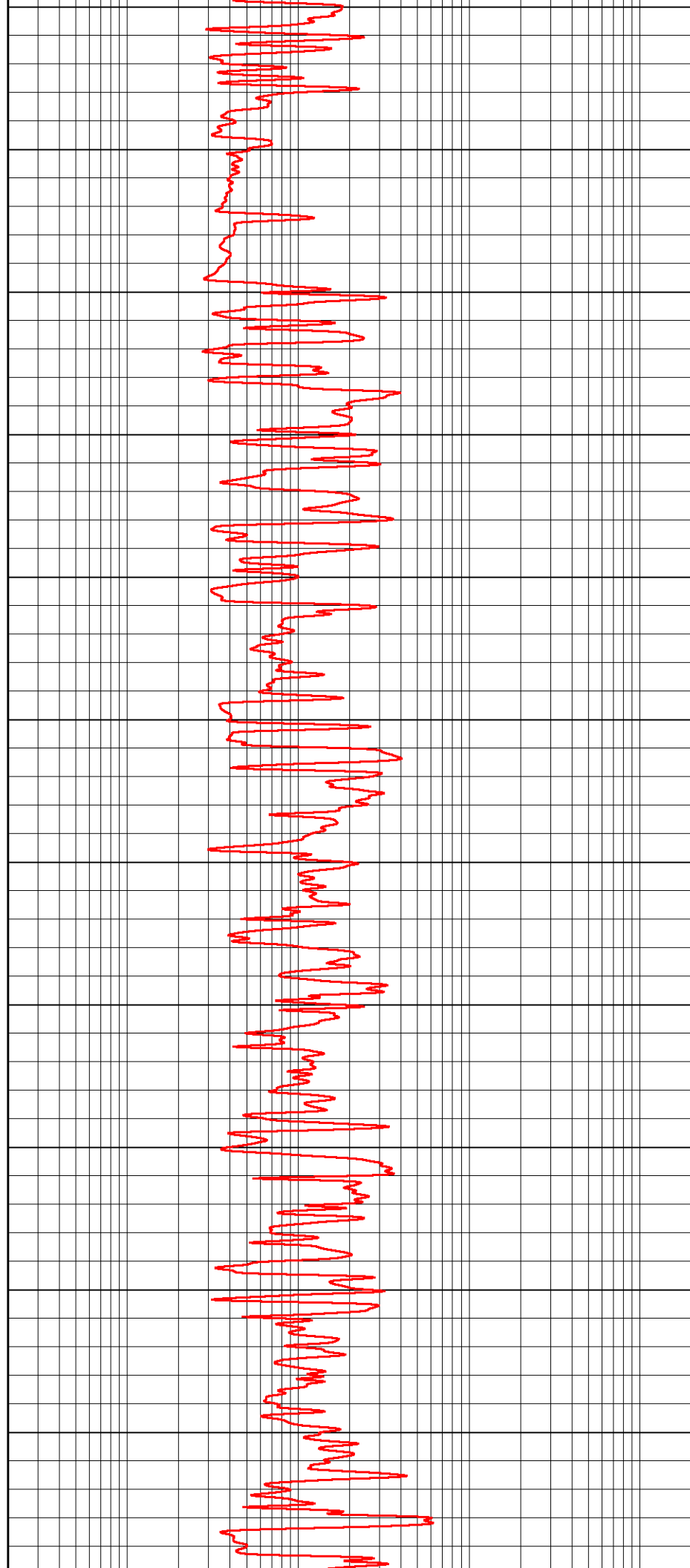


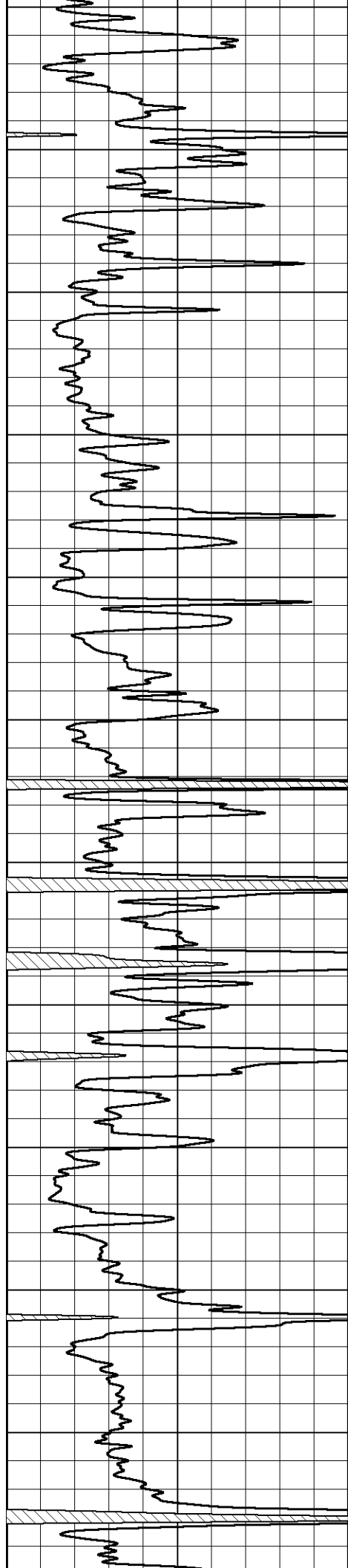
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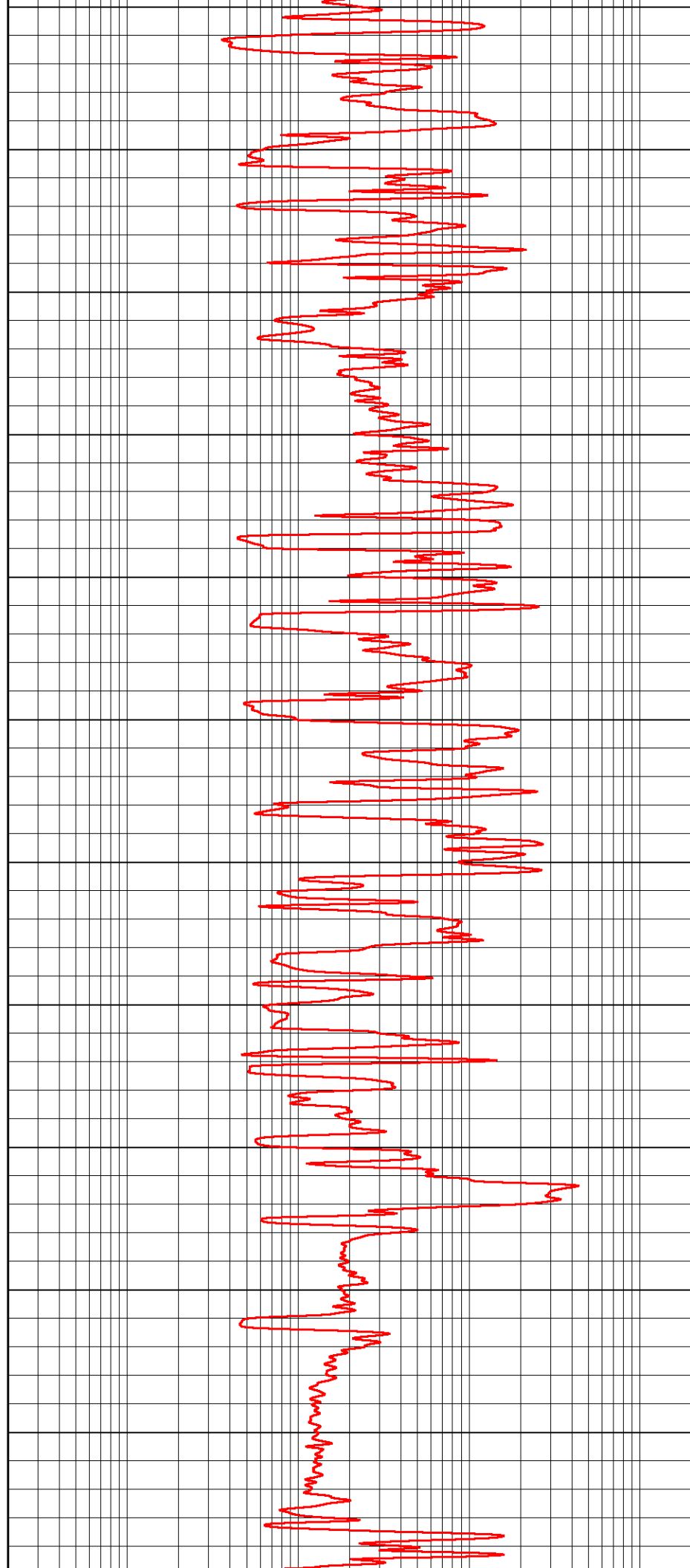


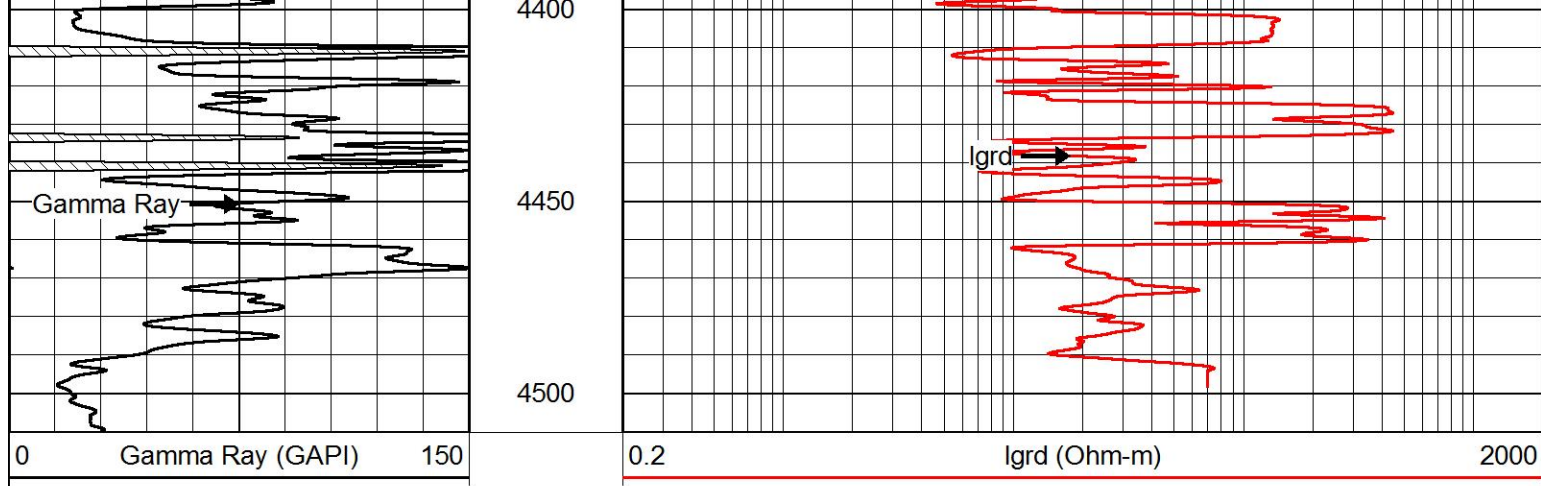
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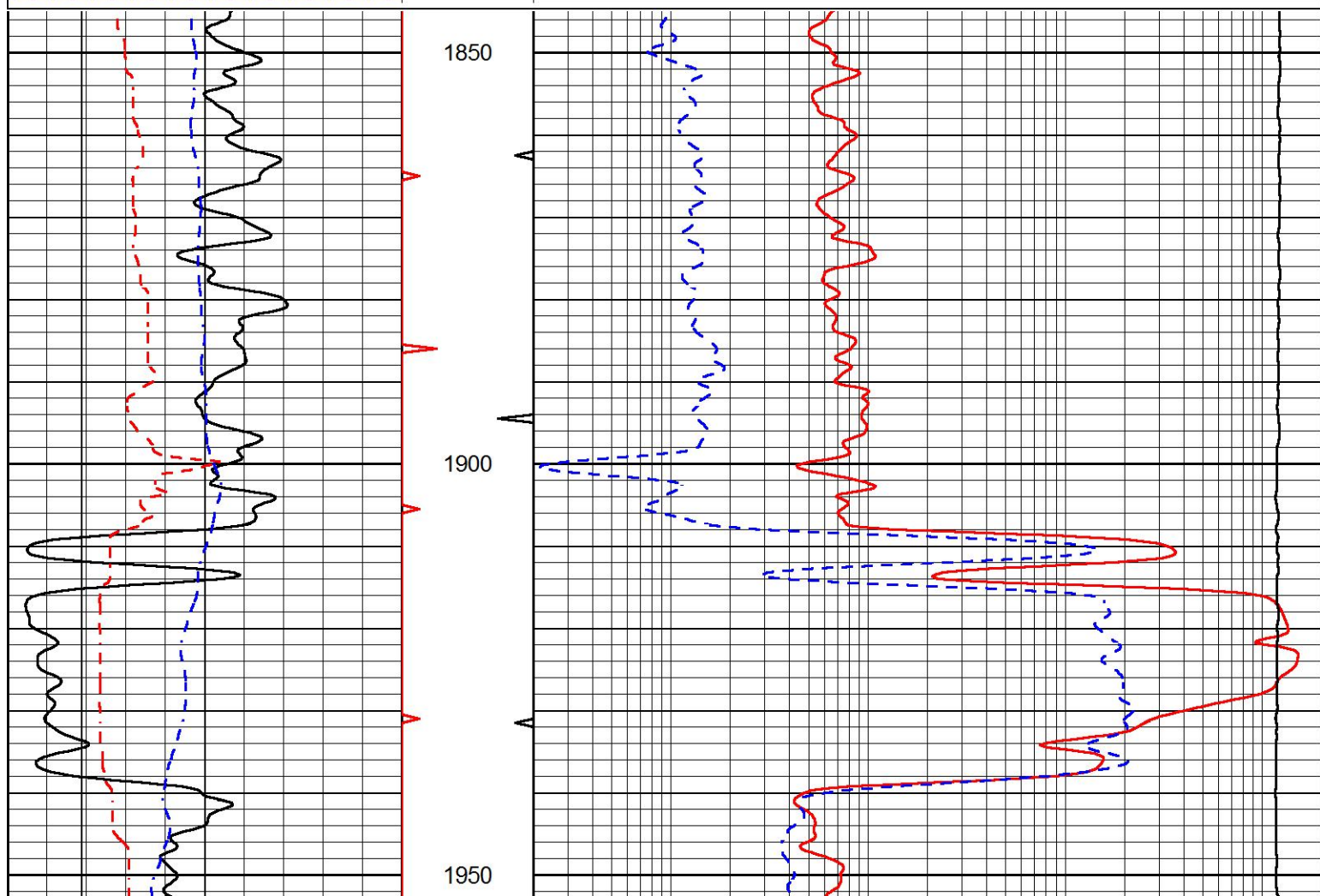


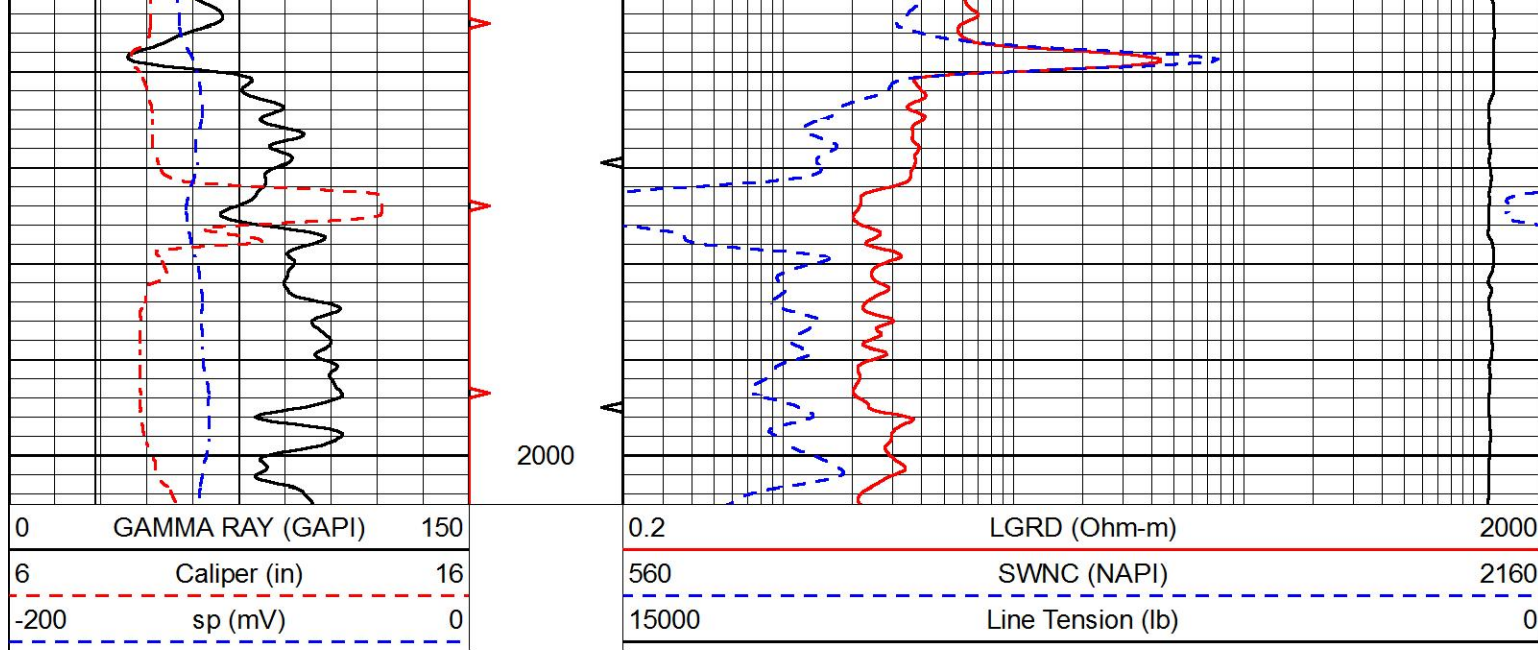


MAIN PASS

Database File: transpac_dumler_3_14.db
 Dataset Pathname: RAG/pass3.1
 Presentation Format: rag
 Dataset Creation: Fri Sep 07 13:34:36 2018
 Charted by: Depth in Feet scaled 1:240

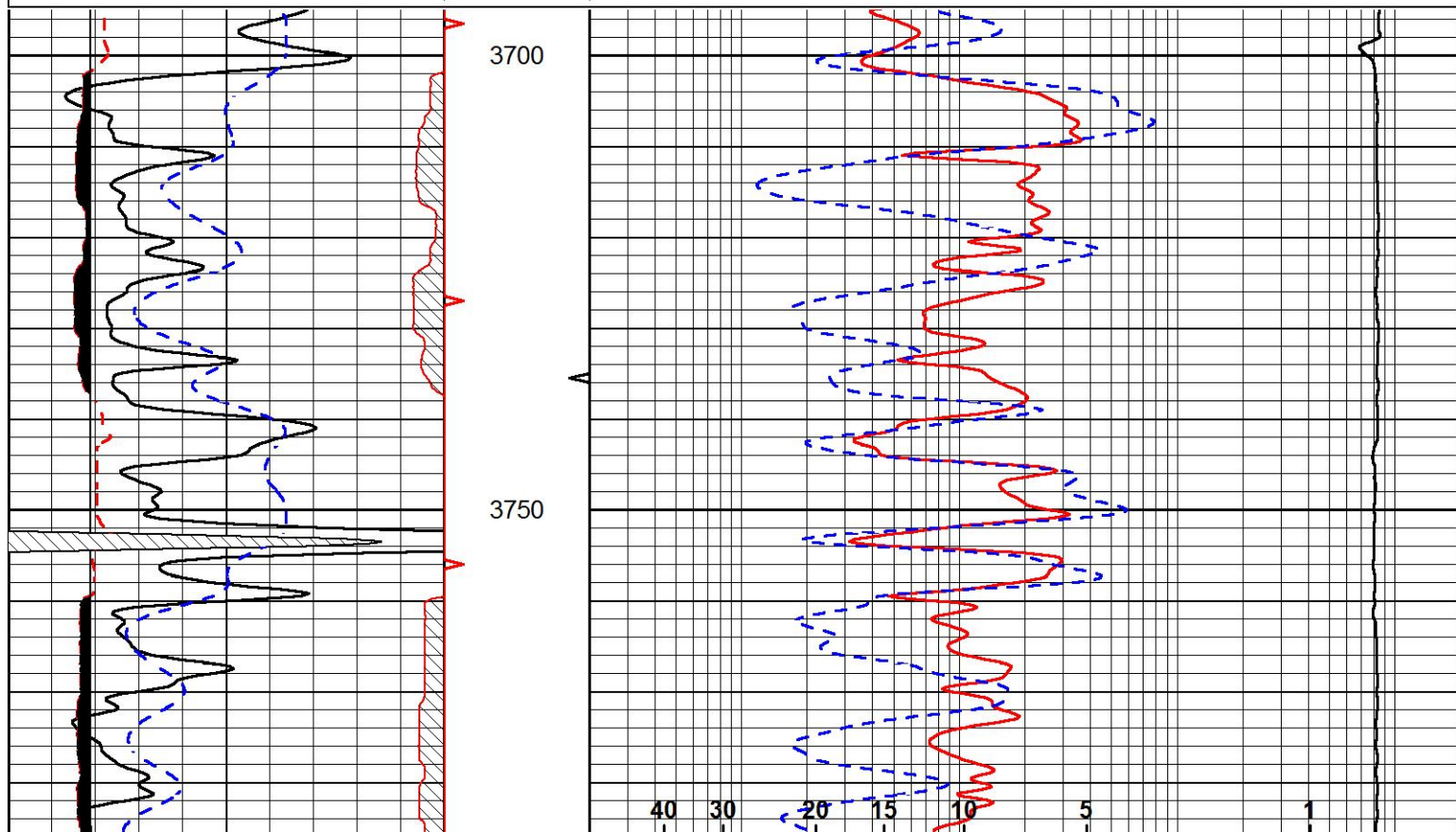
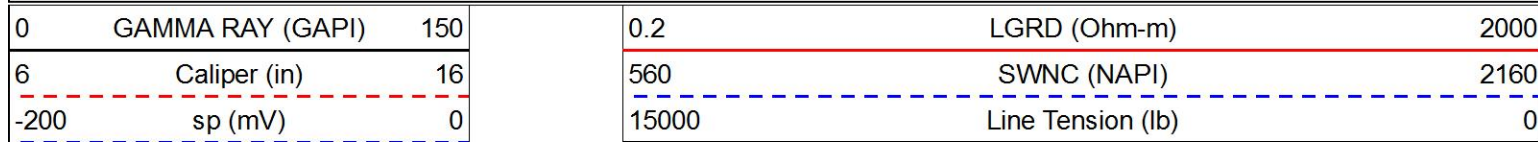
0	GAMMA RAY (GAPI)	150	0.2	LGRD (Ohm-m)	2000
6	Caliper (in)	16	560	SWNC (NAPI)	2160
-200	sp (mV)	0	15000	Line Tension (lb)	0

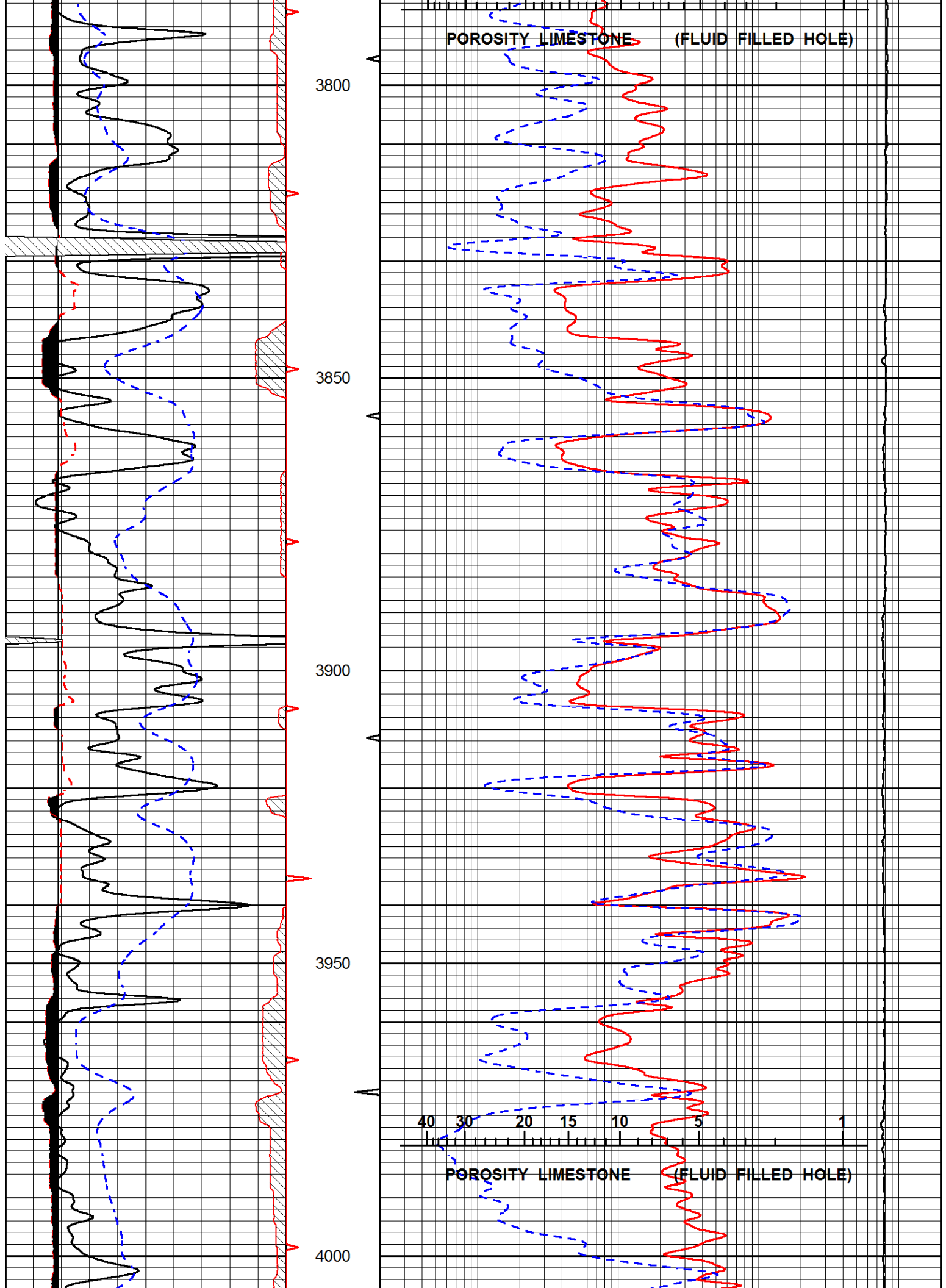


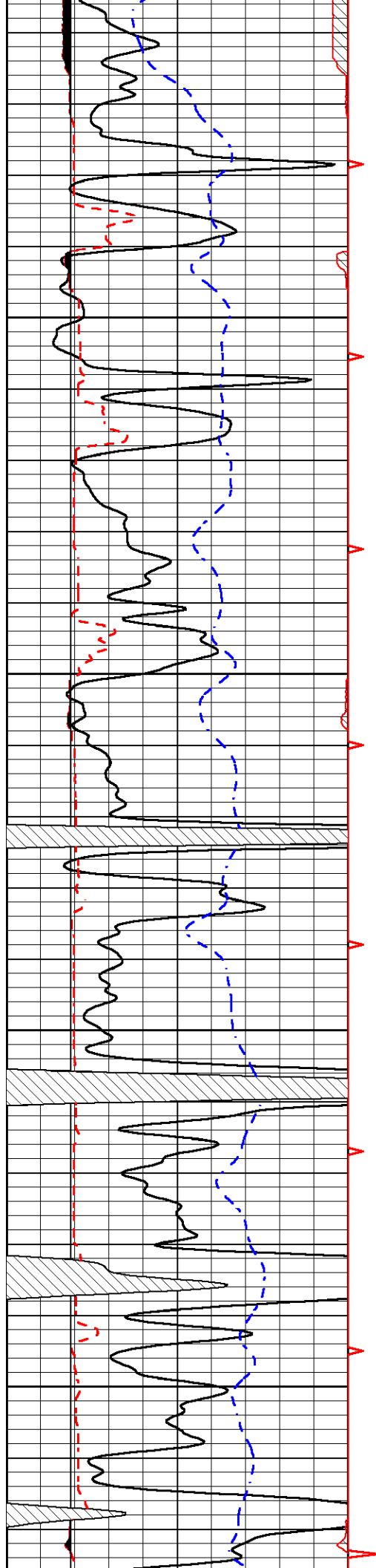


MAIN PASS

Database File transpac_dumler_3_14.db
 Dataset Pathname RAG/pass3.1
 Presentation Format rag
 Dataset Creation Fri Sep 07 13:34:36 2018
 Charted by Depth in Feet scaled 1:240





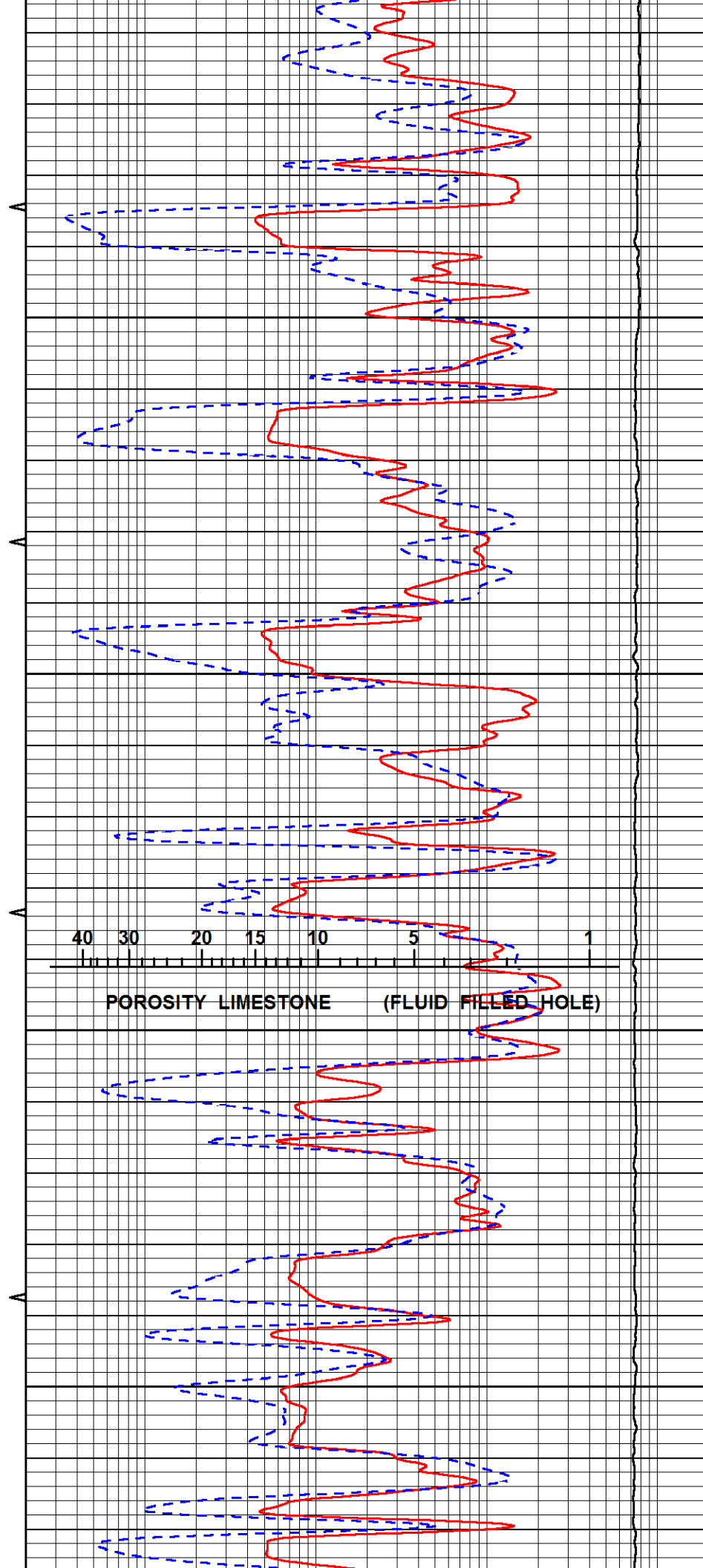


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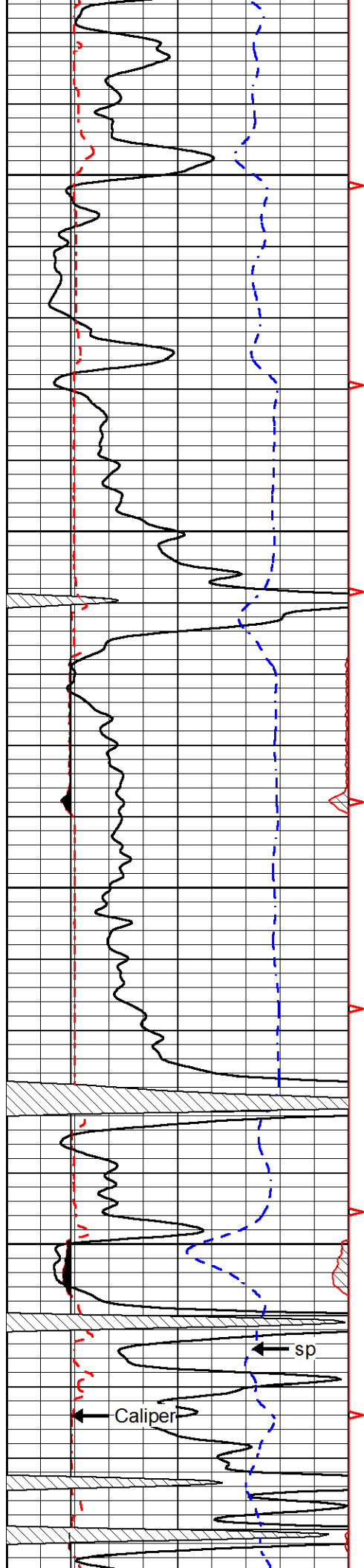
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4200



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POROSITY LIMESTONE (FLUID FILLED HOLE)

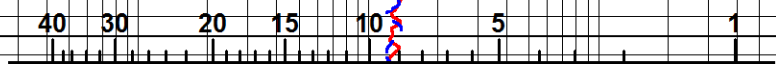


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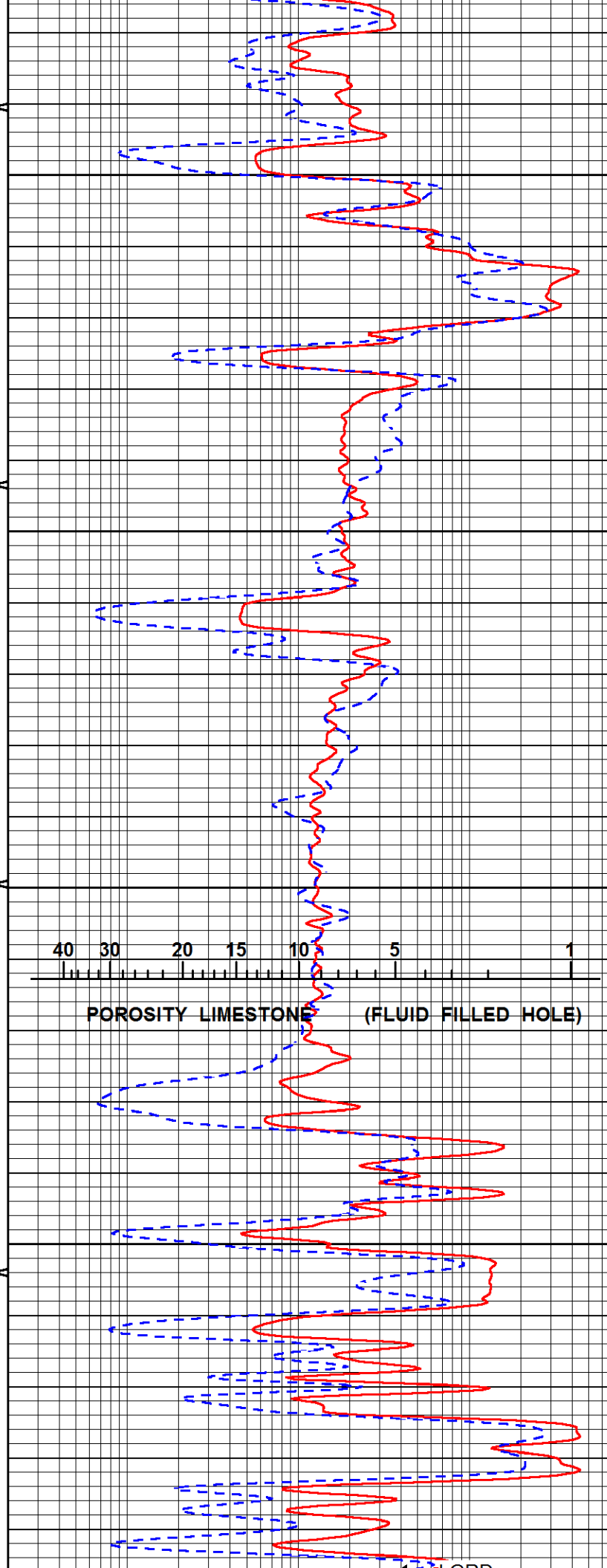
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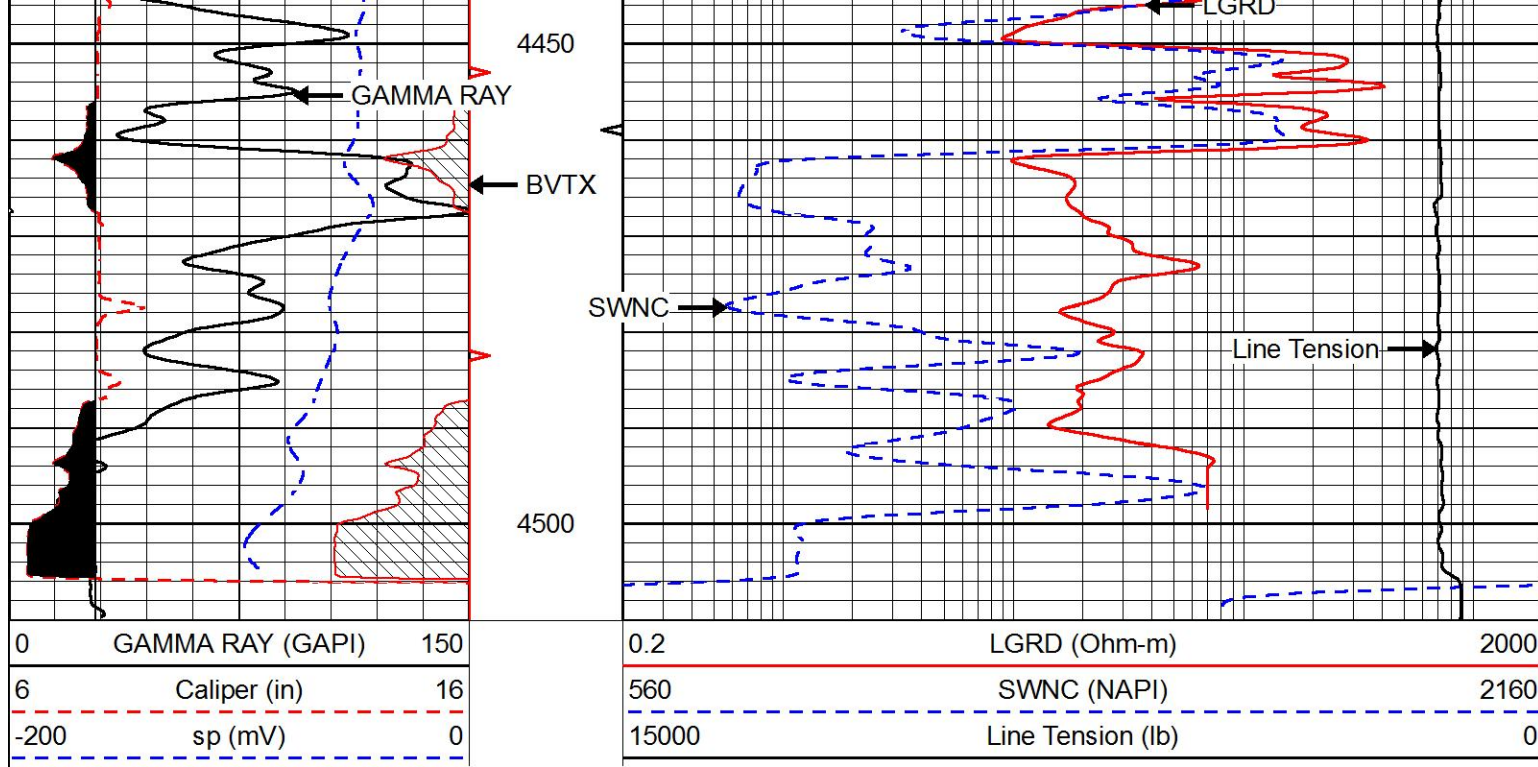
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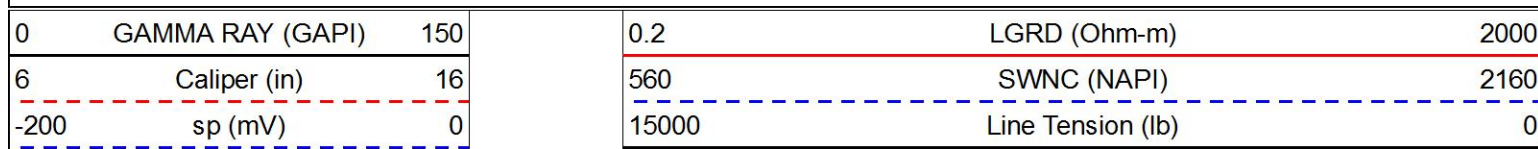
POROSITY LIMESTONE (FLUID FILLED HOLE)

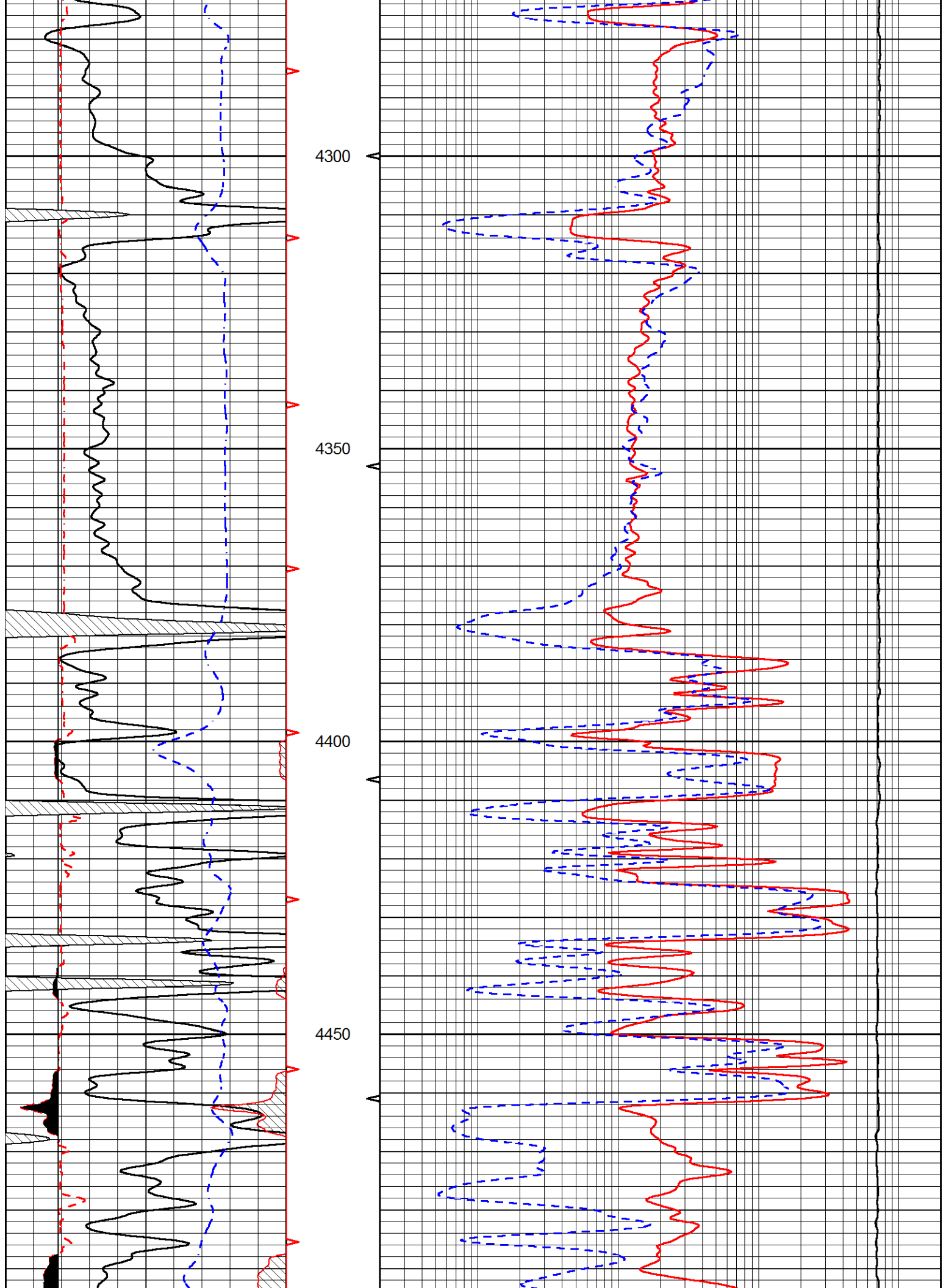


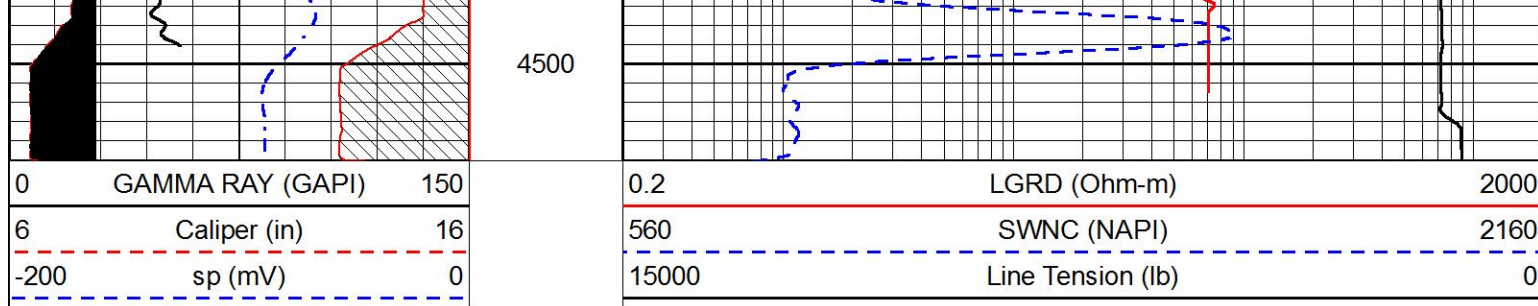


REPEAT SECTION

Database File transpac_dumler_3_14.db
 Dataset Pathname RAG/pass2.1
 Presentation Format rag
 Dataset Creation Fri Sep 07 14:01:20 2018
 Charted by Depth in Feet scaled 1:240







Calibration Report

Database File transpac_dumler_3_14.db
 Dataset Pathname RAG/pass3.1
 Dataset Creation Fri Sep 07 13:34:36 2018

Sidewall Neutron Calibration Report

Serial Number: SP162-87
 Tool Model: M&W-SP

SWN Calibration Mon Aug 08 12:41:49 2016

Readings	Target	Normalization
2566.42 cps	1085.00 cps	0.5300

Caliper Calibration Mon Aug 08 12:41:49 2016

Readings	Reference	Gain	Offset
0.86	4.00	-24.00	21.90
0.26	14.00		

Gamma Ray Calibration Report

Serial Number: 89
 Tool Model: M&W
 Calibration Performed: Fri Aug 24 11:16:10 2018

Calibrator Value: 1.0 GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity: 0.6000 GAPI/cps



Company	TRANS PACIFIC OIL CORP.
Well	DUMLER #3-14
Field	KANSADA
County	NESS
State	KANSAS