



MICRORESISTIVITY LOG

MIDWEST WIRELINE

Company Charles N. Griffin		Company Charles N. Griffin	
Well	Cromer 4-1-4	Well	Cromer 4-1-4
Field	Unnamed	Field	Unnamed
County	Barber	County	Barber
State	Kansas	State	Kansas
Location: API #: 15-007-24388-00-00		Other Services	
2503 FSL & 2310 FWL		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	2006
Log Measured From	Kelly Bushing	K.B.	2018
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	2006
SEC 4	TWP 30S	RGE	15W
Date	12/1/2021		
Run Number	One		
Depth Driller	4824		
Depth Logger	4820		
Bottom Logged Interval	4819		
Top Log Interval	2800		
Casing Driller	8.625 @ 279		
Casing Logger	267		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	8000		
Density / Viscosity	9.5 46		
pH / Fluid Loss	9.0 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.4 @ 67		
Rmt @ Meas. Temp	.3 @ 67		
Rmc @ Meas. Temp	.54 @ 67		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	.22 @ 124		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	124		
Equipment Number	P-108		
Location	HAYS		
Recorded By	J. Henrickson		
Witnessed By	Eli Felts		

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

Haviland Kansas

East to 140th, 10 South to 110th, 1 East, South Into

Log Measured From: Kelly Bushing

12 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC

785-625-3858

Your Midwest Wireline Crew

Engineer: J. Henrickson
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Eli Felts
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 124	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 685	degF 50	Off	ft 4820

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33			GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48			CNT-M&W (tk10-MW)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68			CDL-M&W (915-956)	8.50	4.00	250.00
ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools					7.58	4.00	65.00
MCAL MI MN	19.58 19.58 19.58						
RLL3F RLL3	15.50 15.50						
CILD	8.33			DIL-PSI HIGH TEMP (959-1032)	18.25	3.50	220.00

CILM 4.50

SP 0.20

Dataset: griffin_cromer_4_1_4.db: field/well/stackml/pass4.1
Total length: 42.33 ft
Total weight: 685.00 lb
O.D.: 4.00 in



MIDWEST WIRELINE

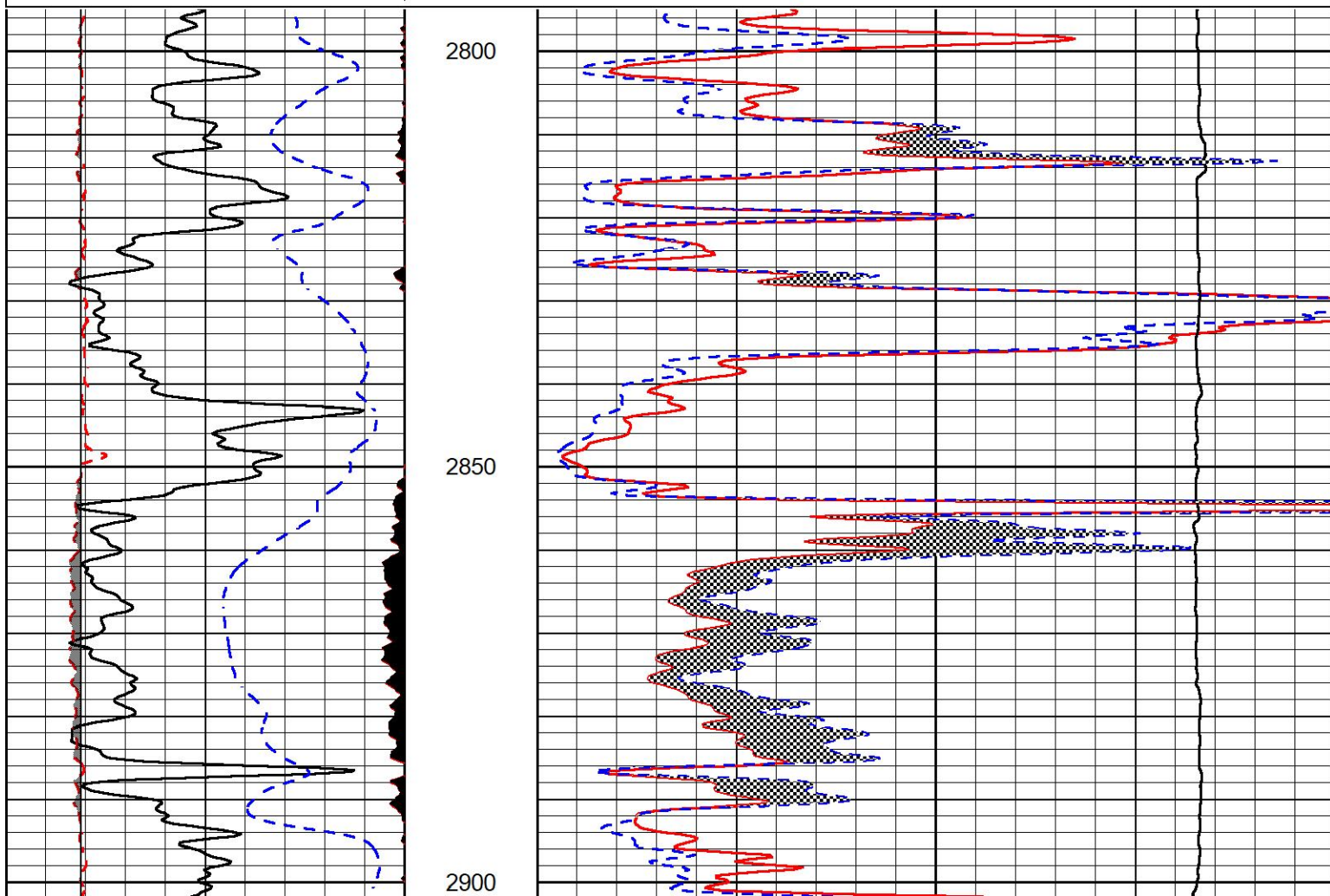
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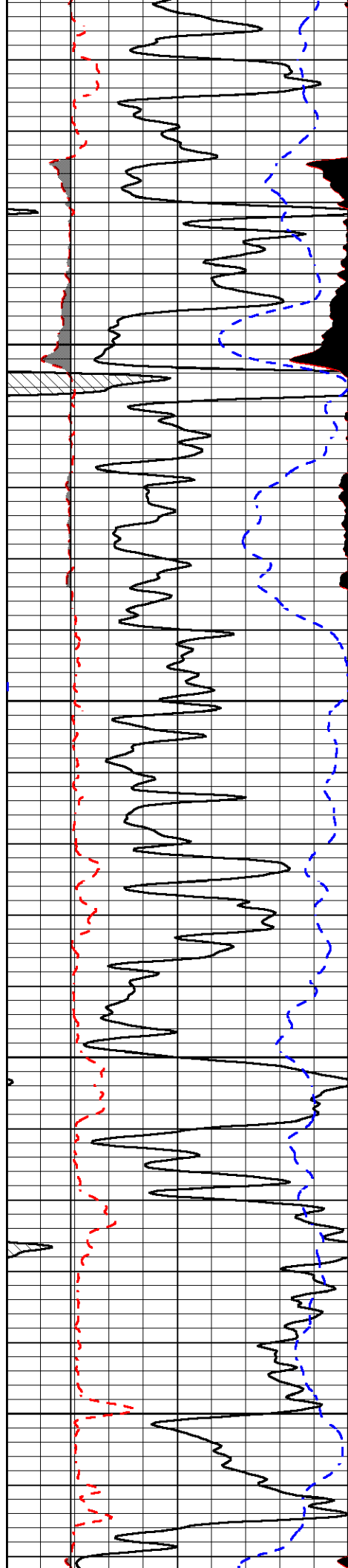
MAIN PASS

Database File griffin_cromer_4_1_4.db
Dataset Pathname stackml/pass4.1
Presentation Format _micro
Dataset Creation Wed Dec 01 06:46:15 2021
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcil (in)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



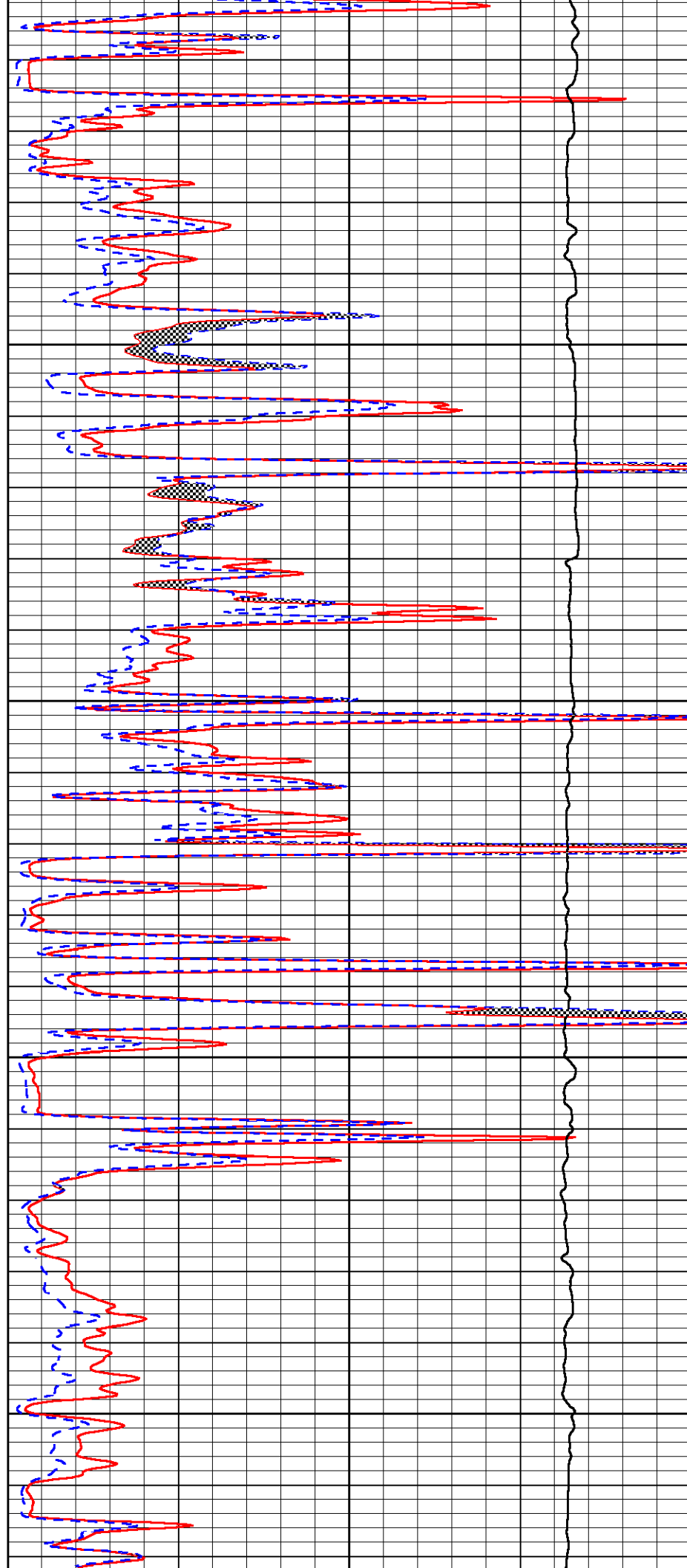


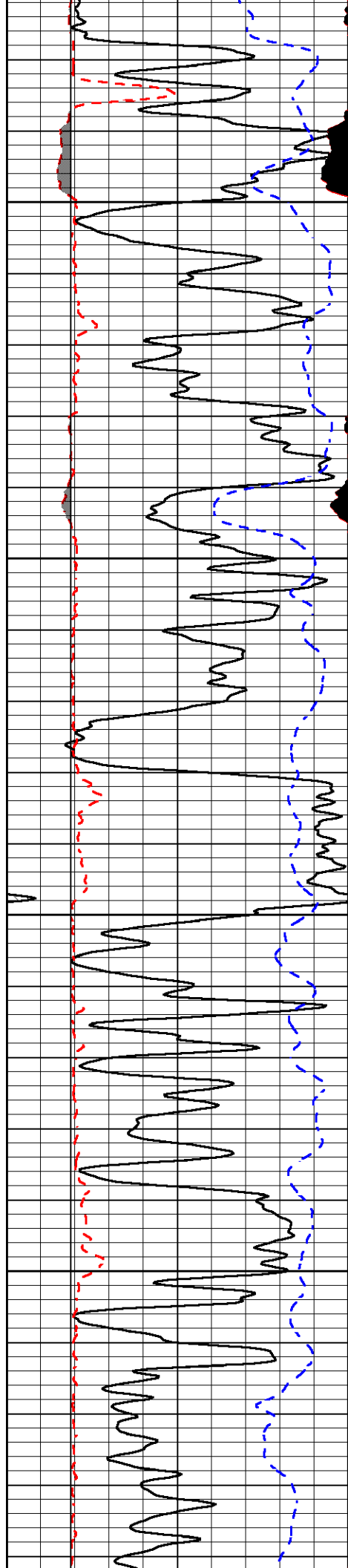
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3000

3050

3100



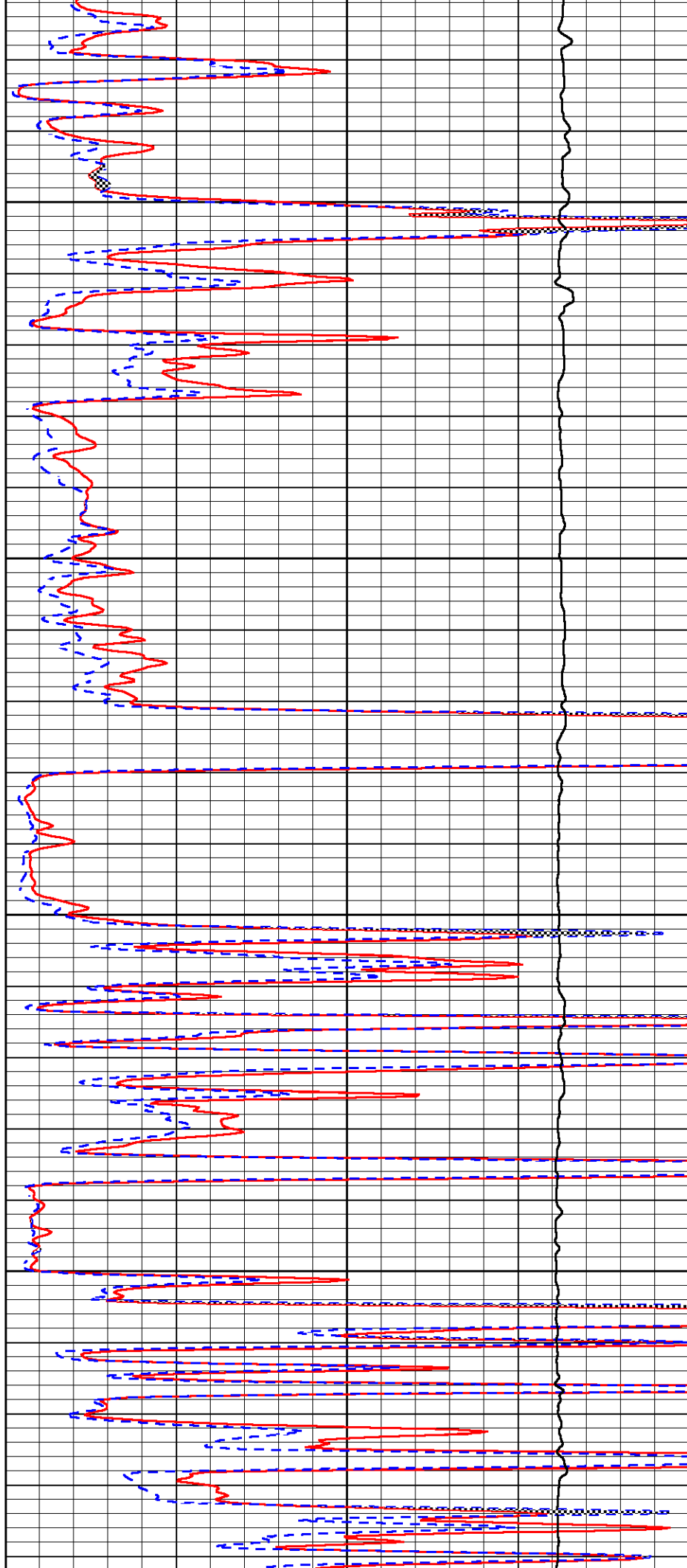


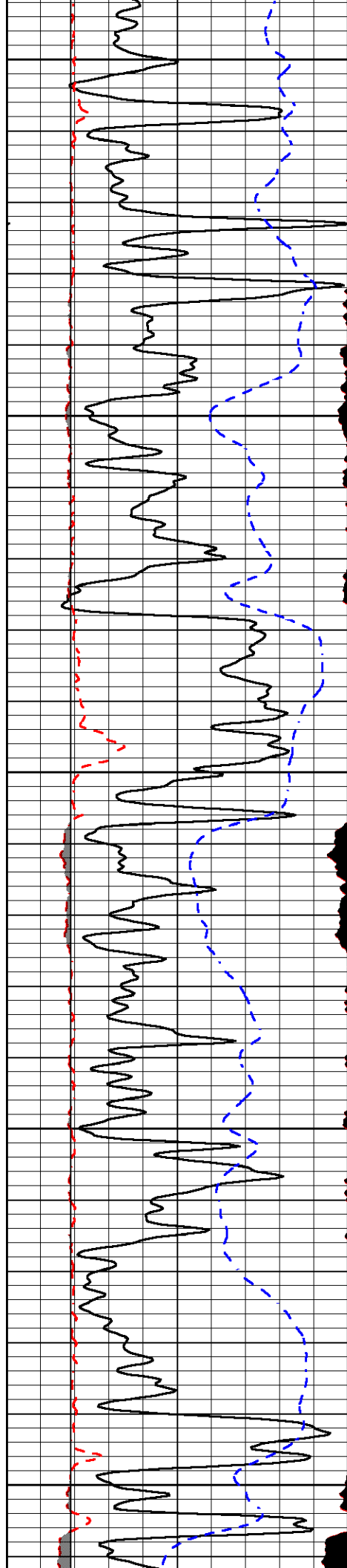
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3200

3250

3300





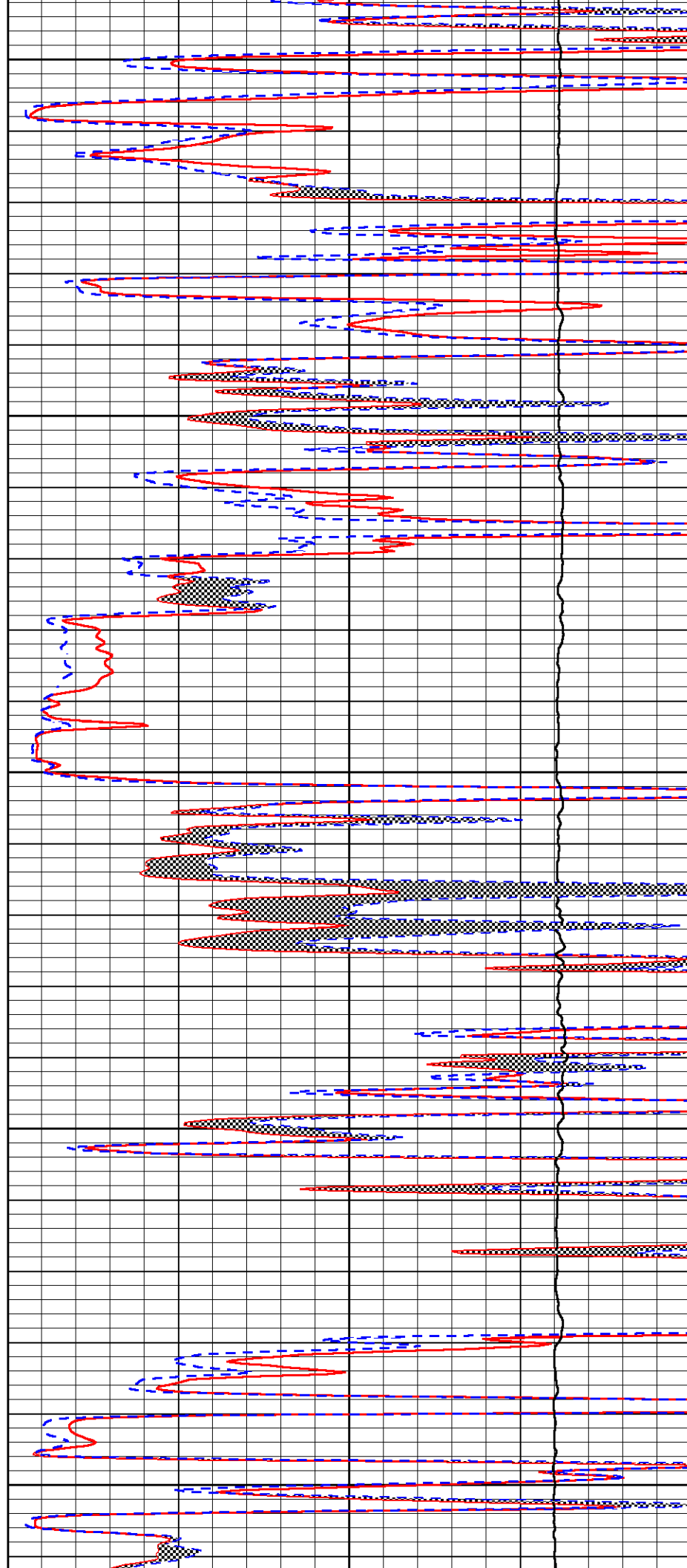
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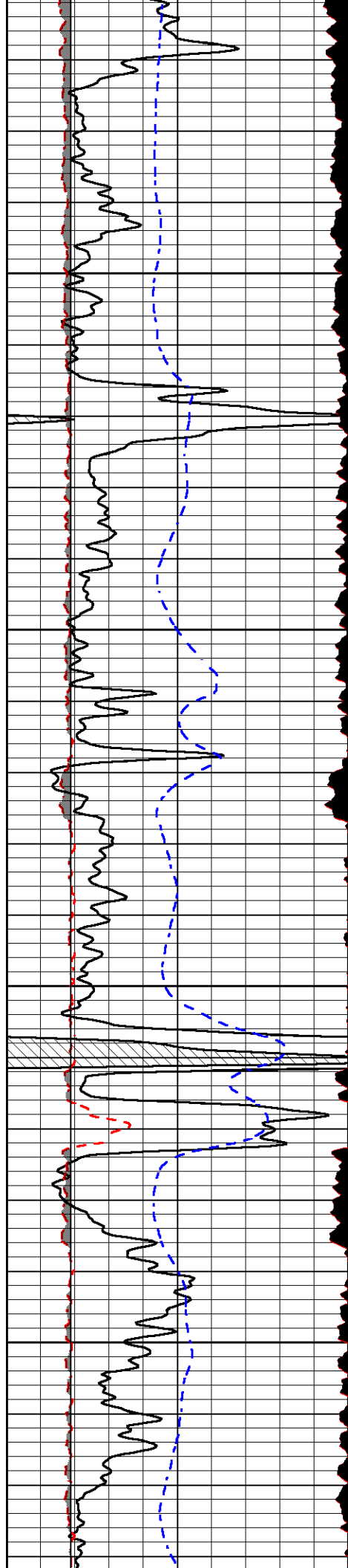
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3450

3500

3550



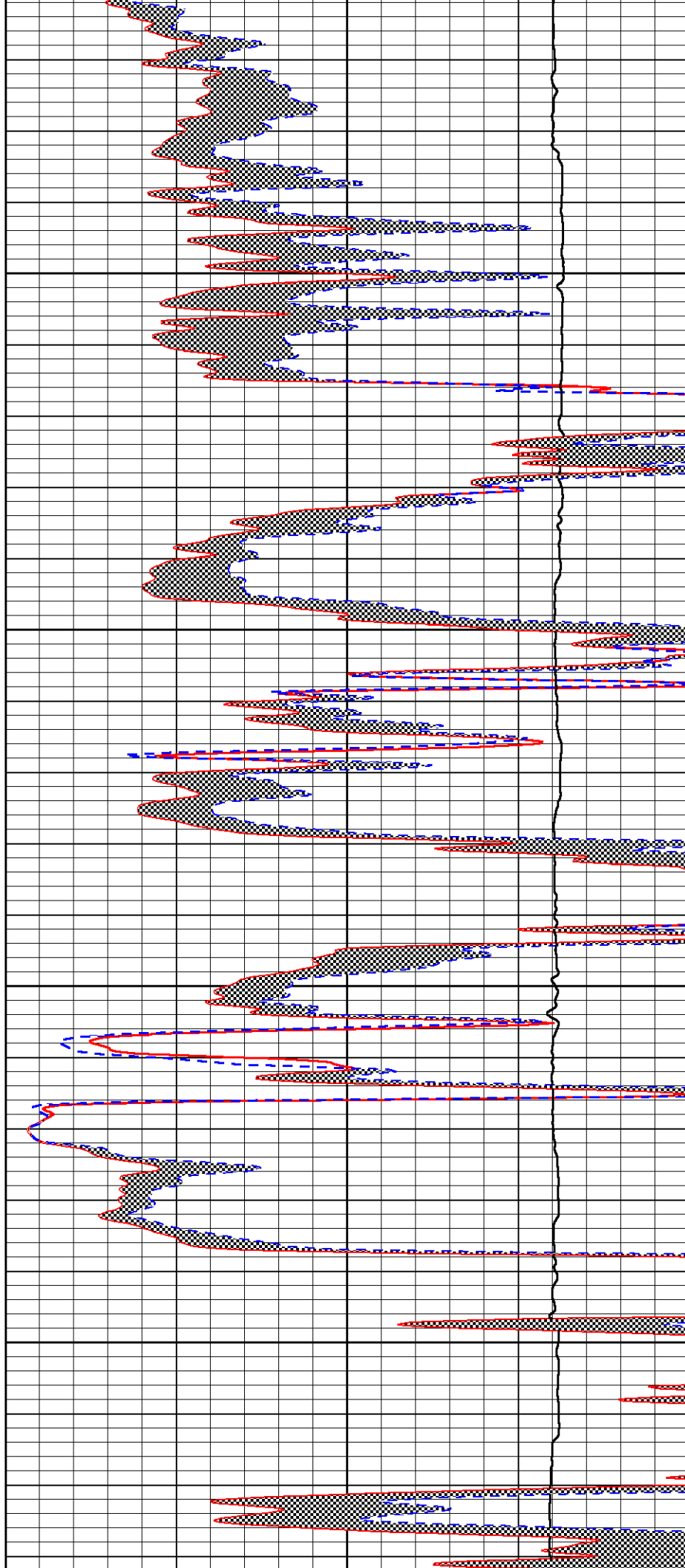


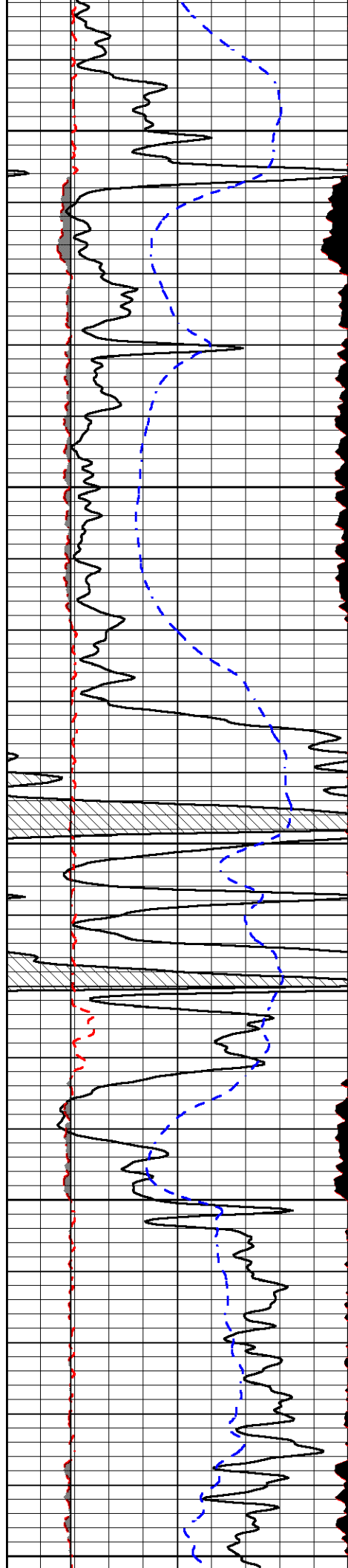
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3750





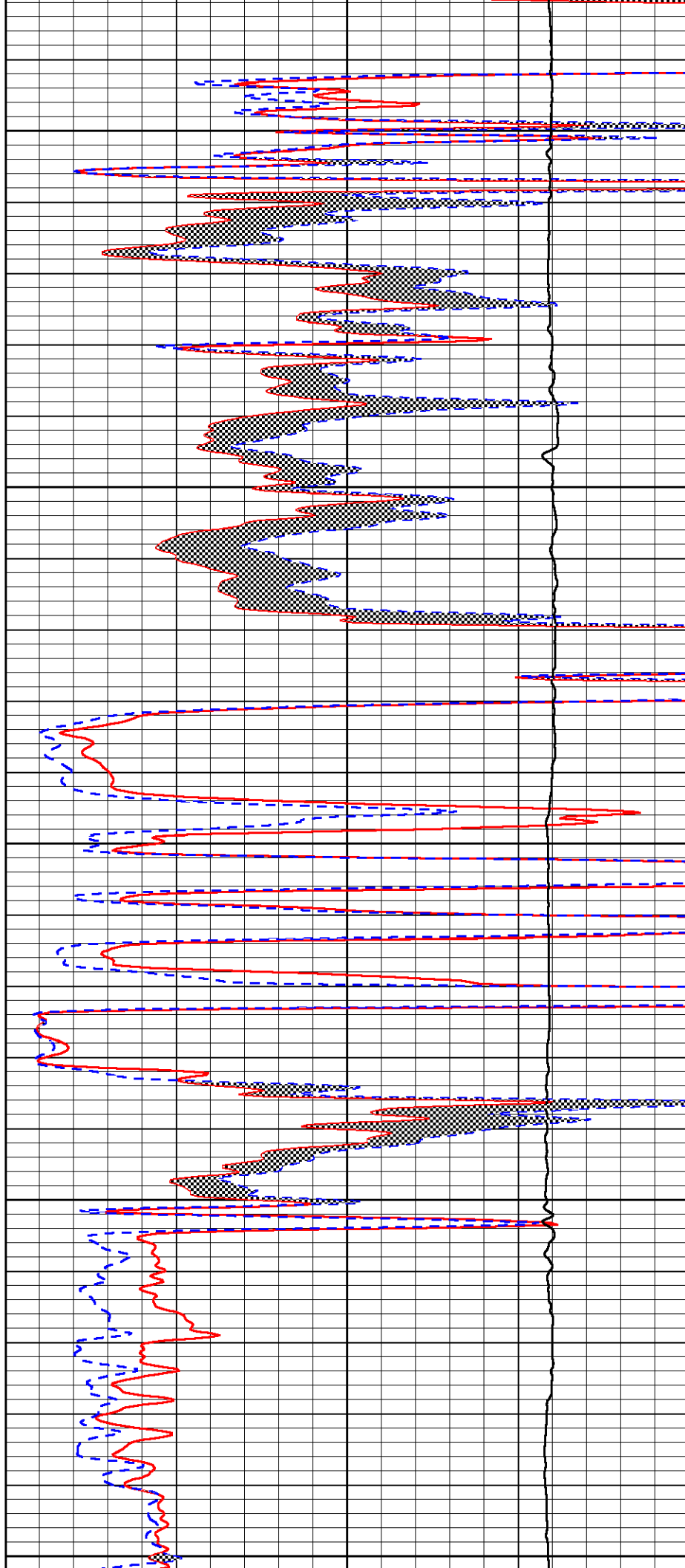
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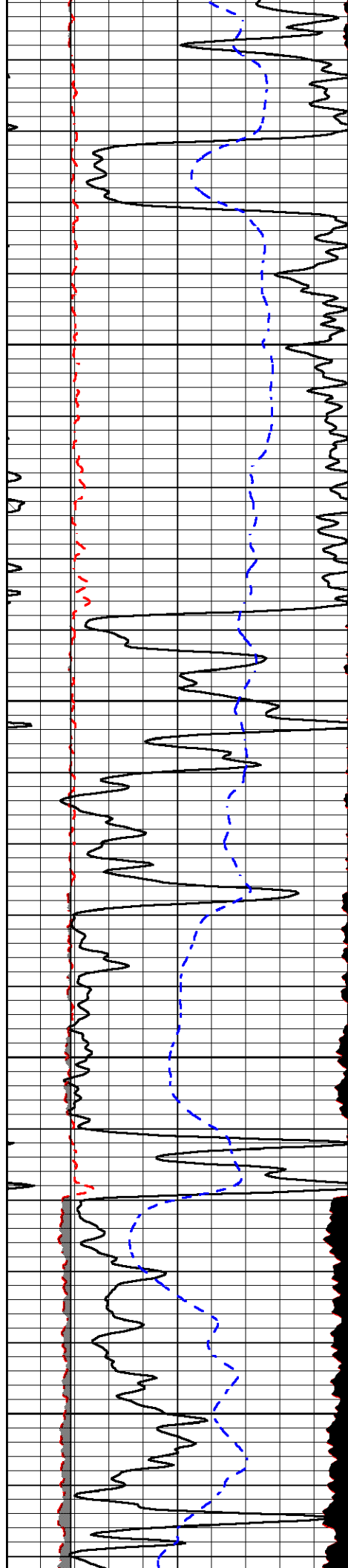
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4000



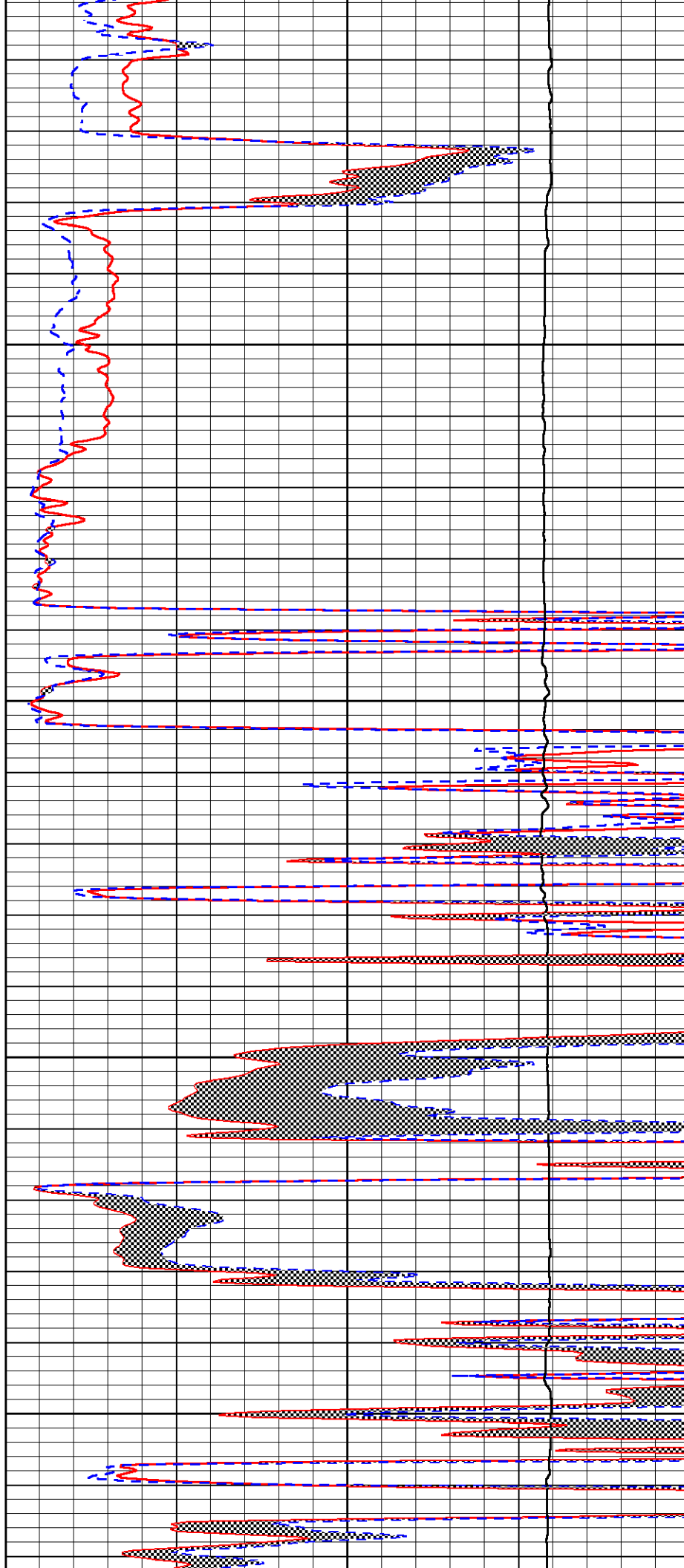


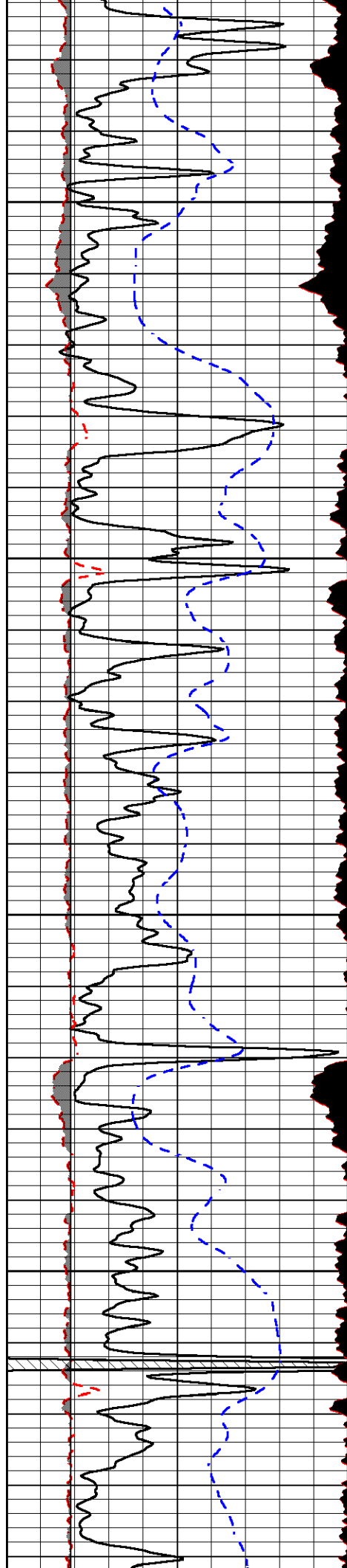
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4100

4150

4200



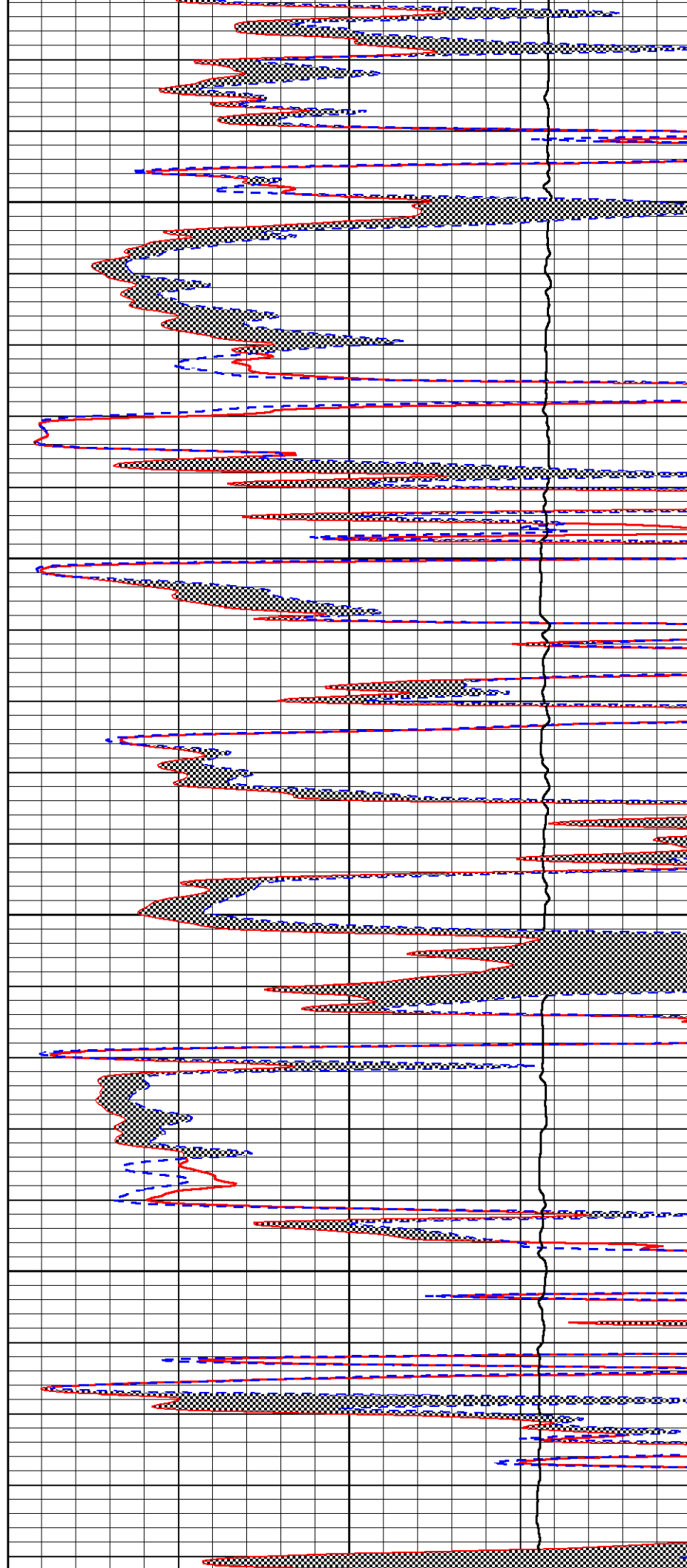


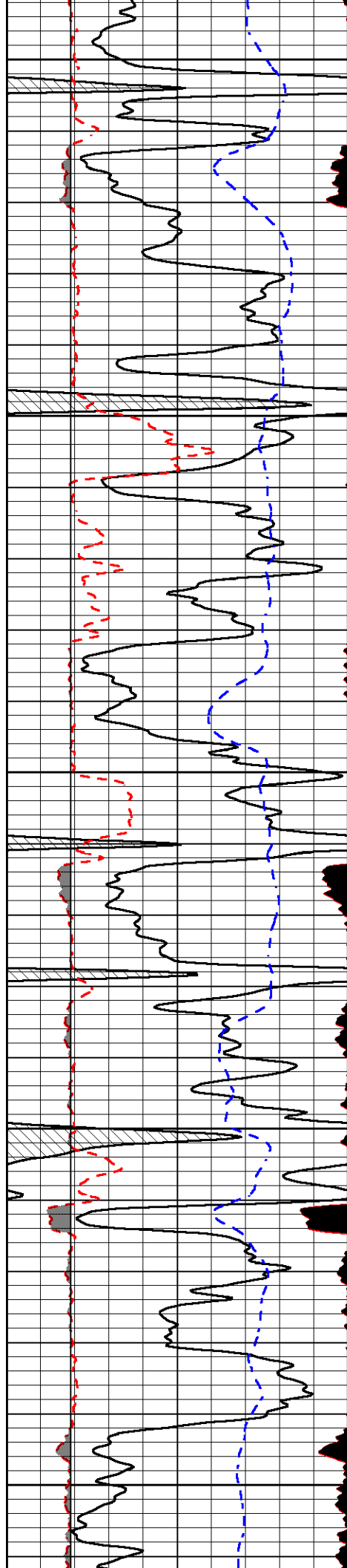
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4300

4350

4400





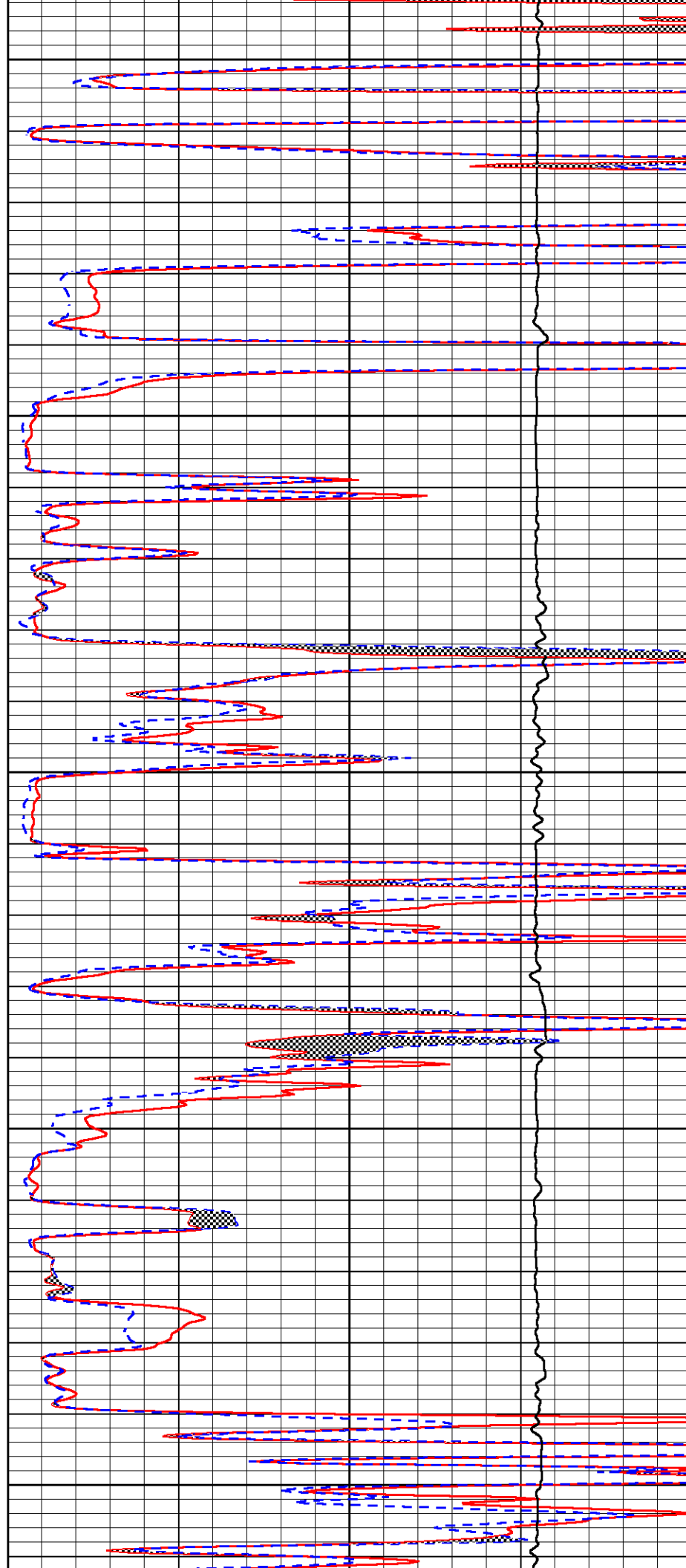
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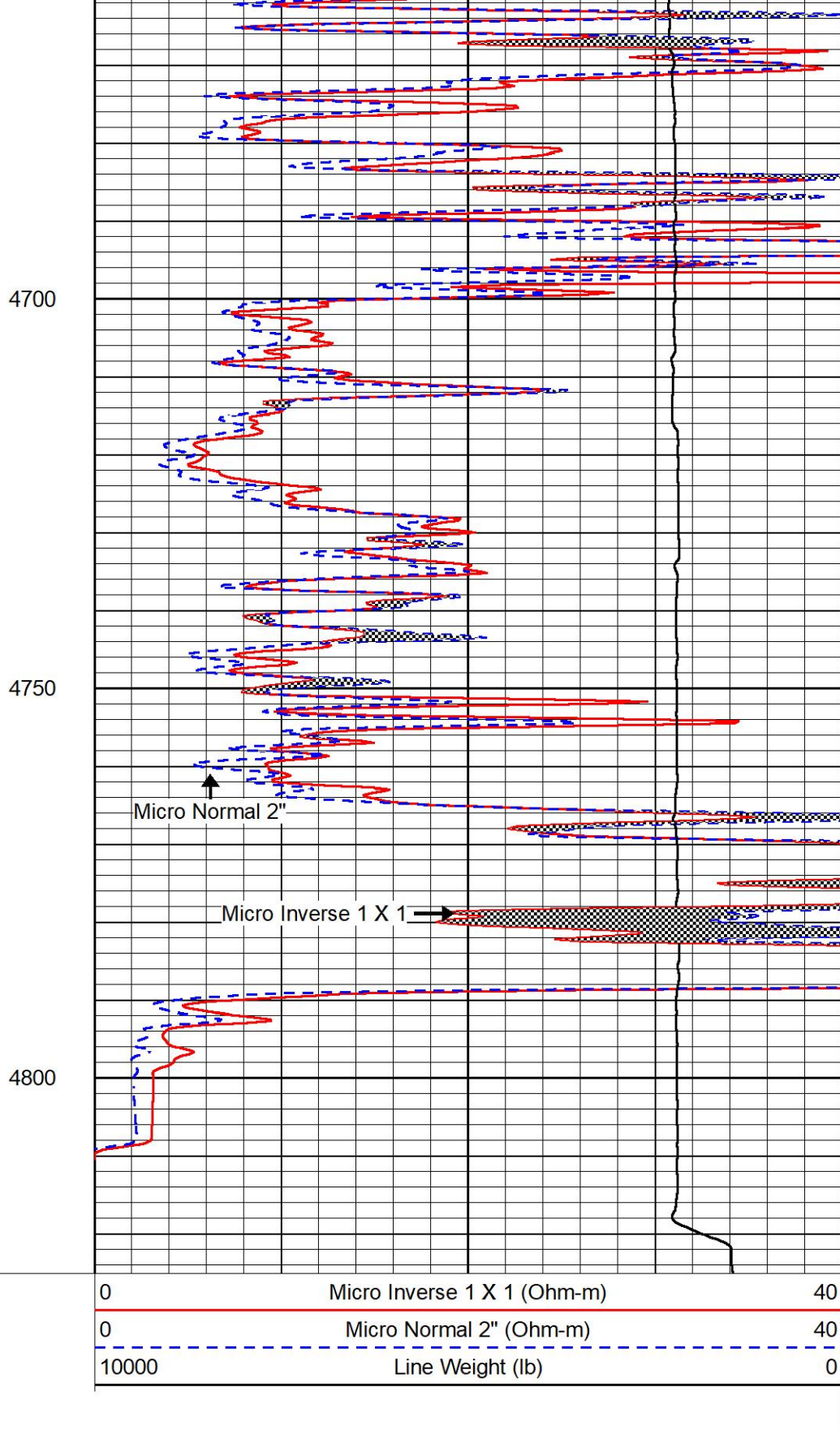
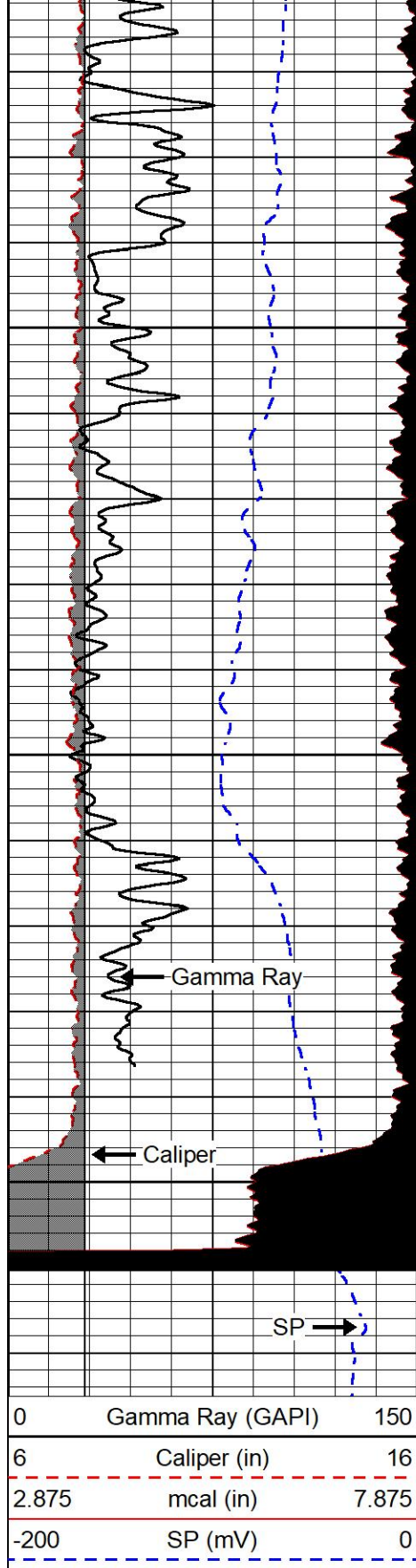
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4600

4650



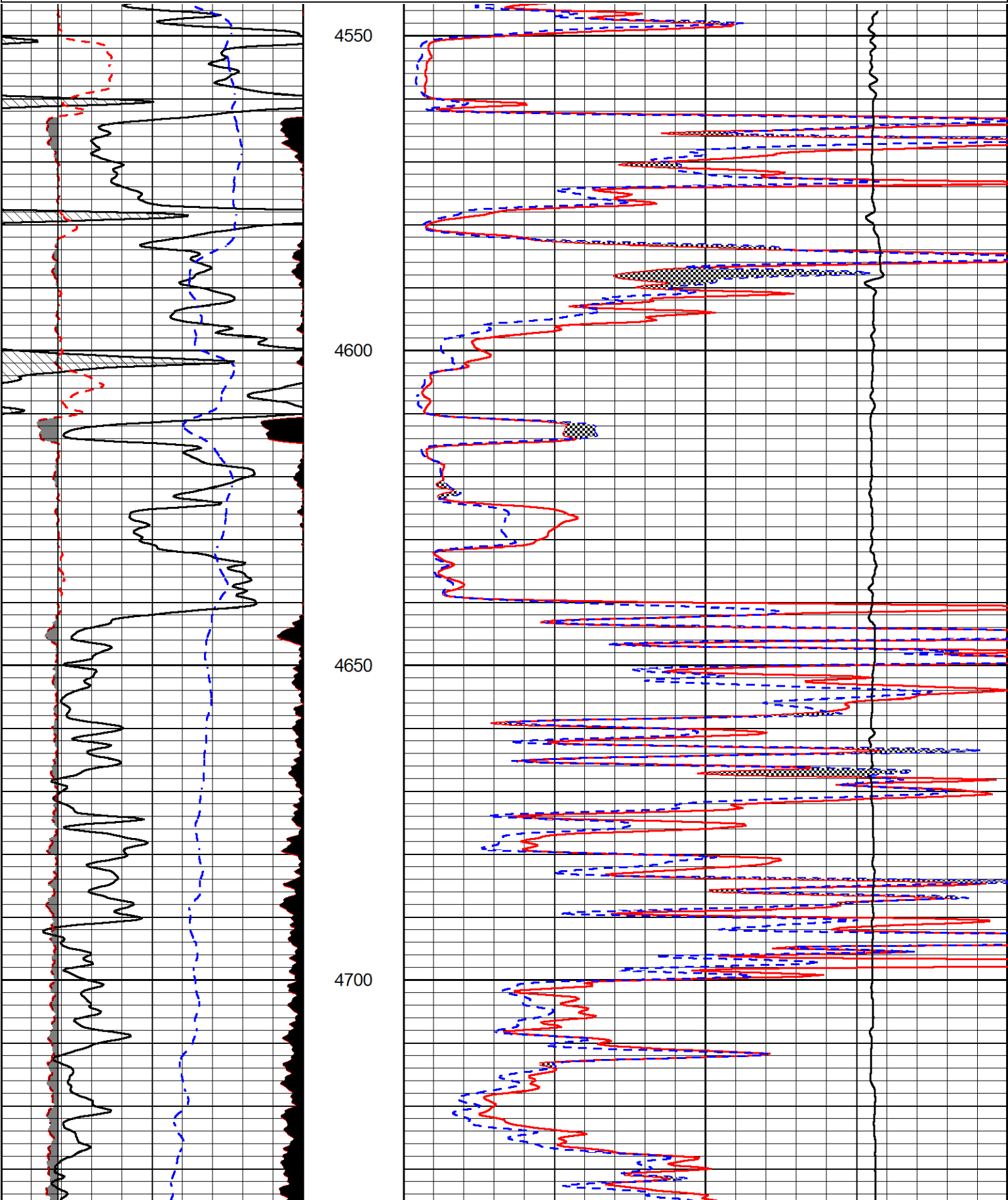


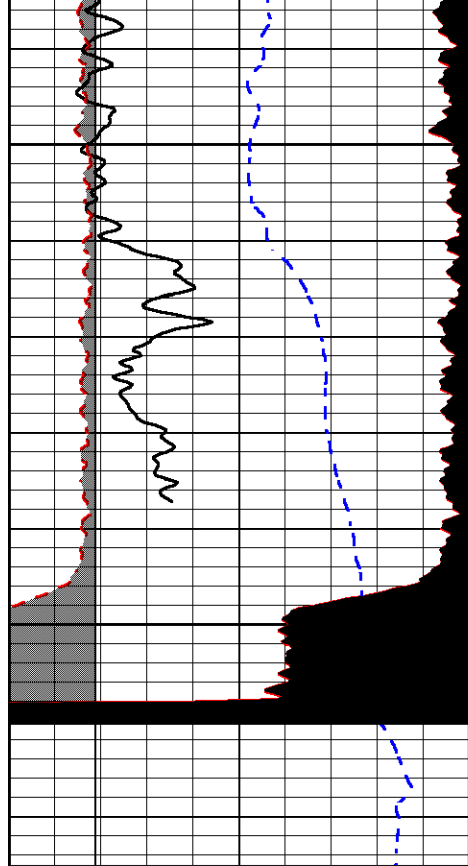
REPEAT SECTION

REPEAT PASS

Database File griffin_cromer_4_1_4.db
 Dataset Pathname stackml/pass2.1
 Presentation Format micro

0	Gamma Ray (GAPI)	150	0	Micro Inverse 1 X 1 (Ohm-m)	40
6	Caliper (in)	16	0	Micro Normal 2" (Ohm-m)	40
2.875	mcal (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0			

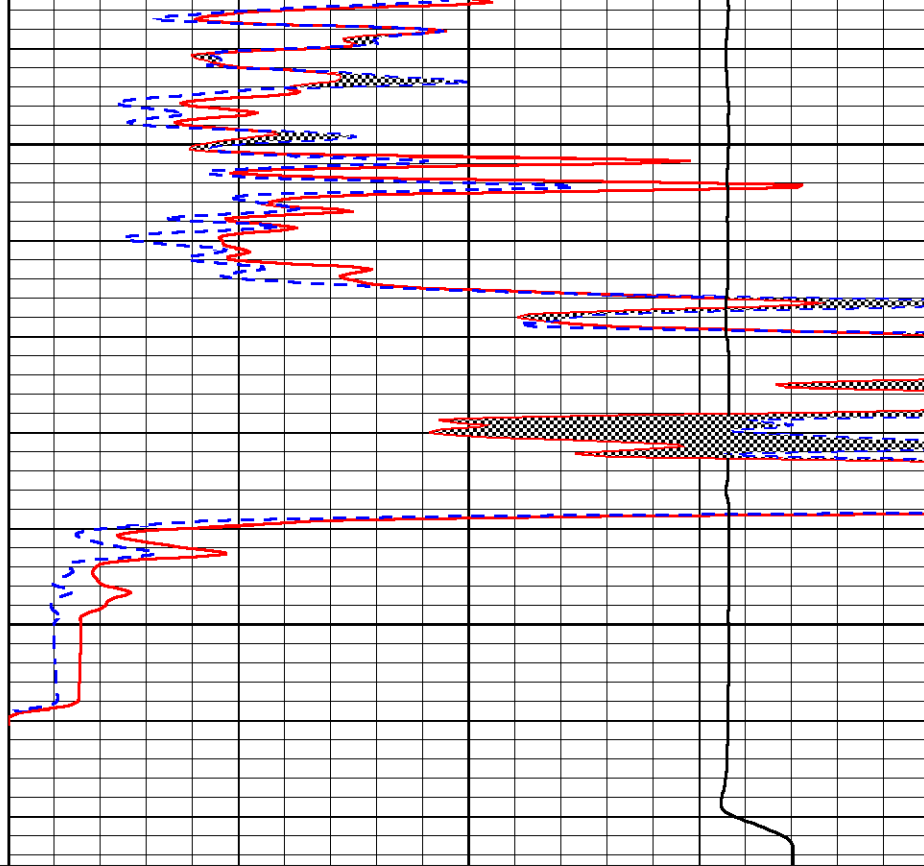




0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	SP (mV)	0

4750

4800



0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0