



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Griffin Management, LLC		Company Griffin Management, LLC	
Well	Monroe #2	Well	Monroe #2
Field		Field	
County	Pratt	County	Pratt
State	Kansas	State	Kansas
Location: API #: 15-151-22546-00-00		Other Services	
990 FSL & 330 FEL		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	2008
Log Measured From	Kelly Bushing	K.B.	2013
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	2008
SEC 32 TWP 29S RGE 15W			
Date	6/28/2022		
Run Number	One		
Depth Driller	4865		
Depth Logger	4863		
Bottom Logged Interval	4862		
Top Log Interval	2800		
Casing Driller	8.625 @ 263		
Casing Logger	263		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	7500		
Density / Viscosity	9.3	54	
pH / Fluid Loss	10.0	80	
Source of Sample	Flowline		
Rm @ Meas. Temp	0.30 @ 72		
Rmt @ Meas. Temp	0.23 @ 72		
Rmc @ Meas. Temp	0.41 @ 72		
Source of Rmt / Rmc	Charts		
Rm @ BHT	0.17 @ 125		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	125		
Equipment Number	24		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Charles Griffin	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.

Croft,
South to 110, 1 East, 1 South,
East into

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew		This Log Record Was Witnessed By	
Engineer: D. Schmidt		Primary Witness: Charles Griffin	
Operator:		Secondary Witness: Eli Felts	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_monroe 2.db
Dataset field/well/stkml/pass3.11/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	125	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	20	60		4863

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth



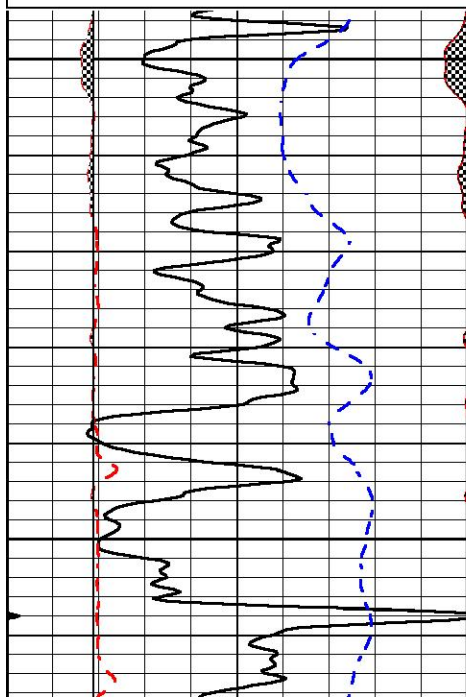
DETAIL SECTION

MAIN PASS

Database File griffin_monroe 2.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Tue Jun 28 07:55:10 2022
Charted by Depth in Feet scaled 1:240

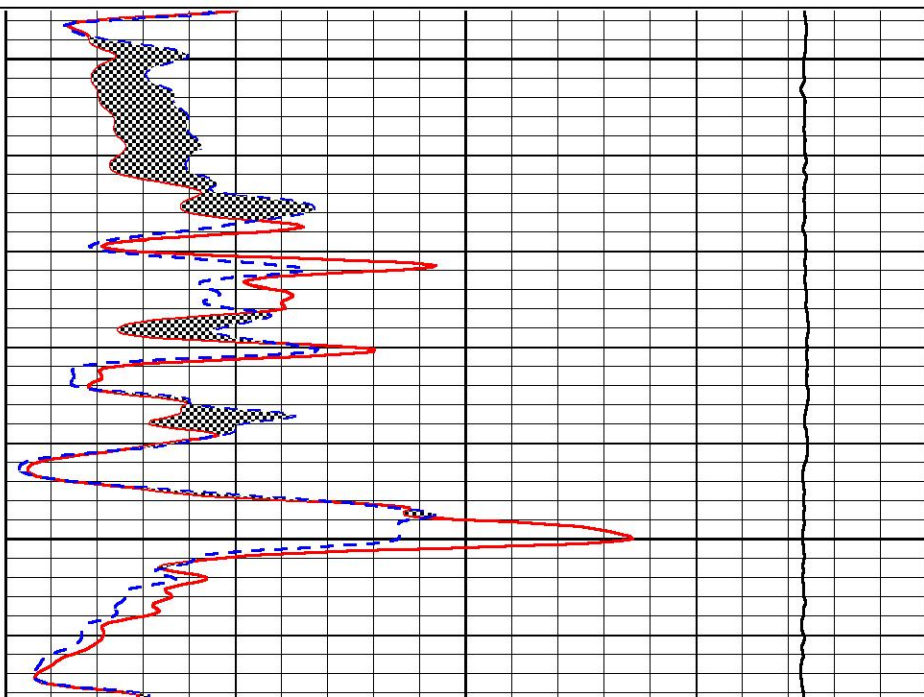
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

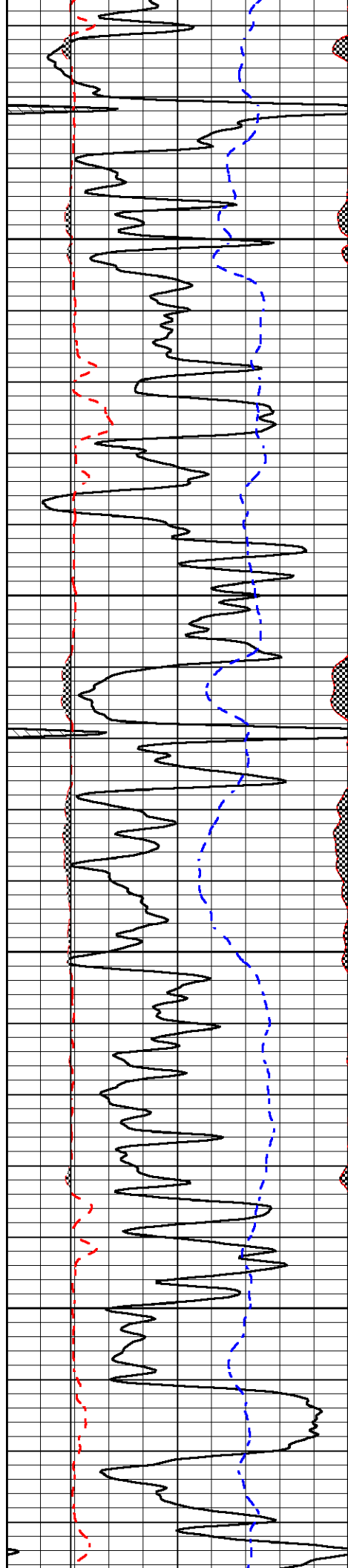
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



2800

2850



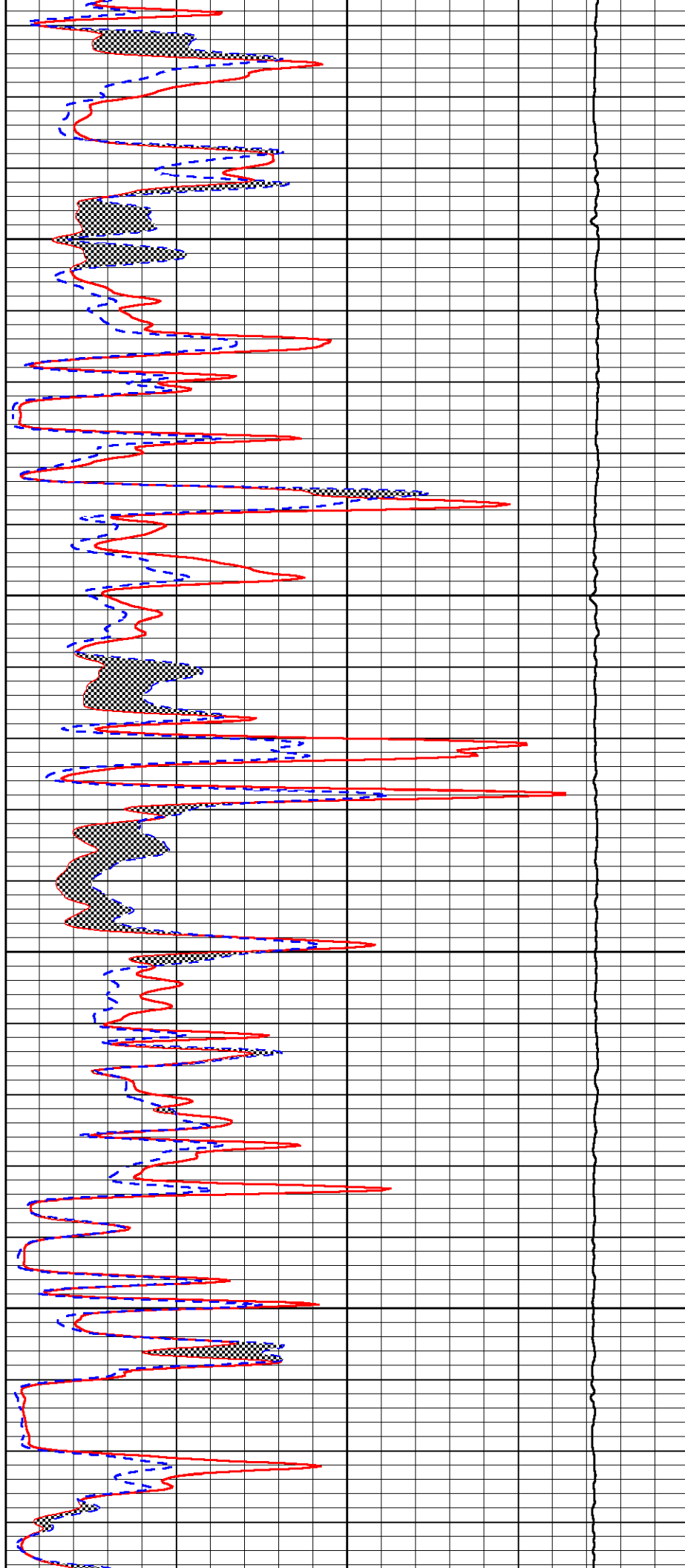


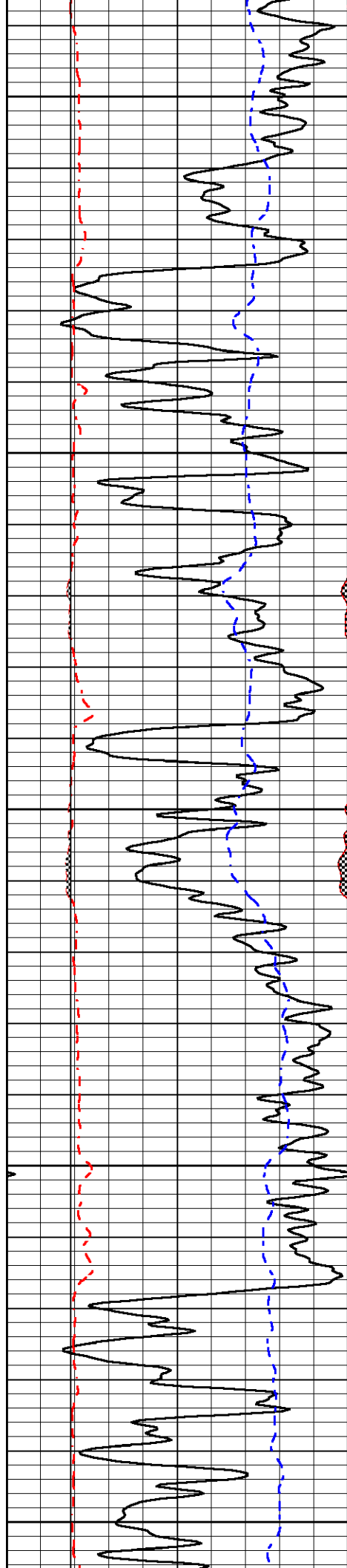
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2950

3000

3050





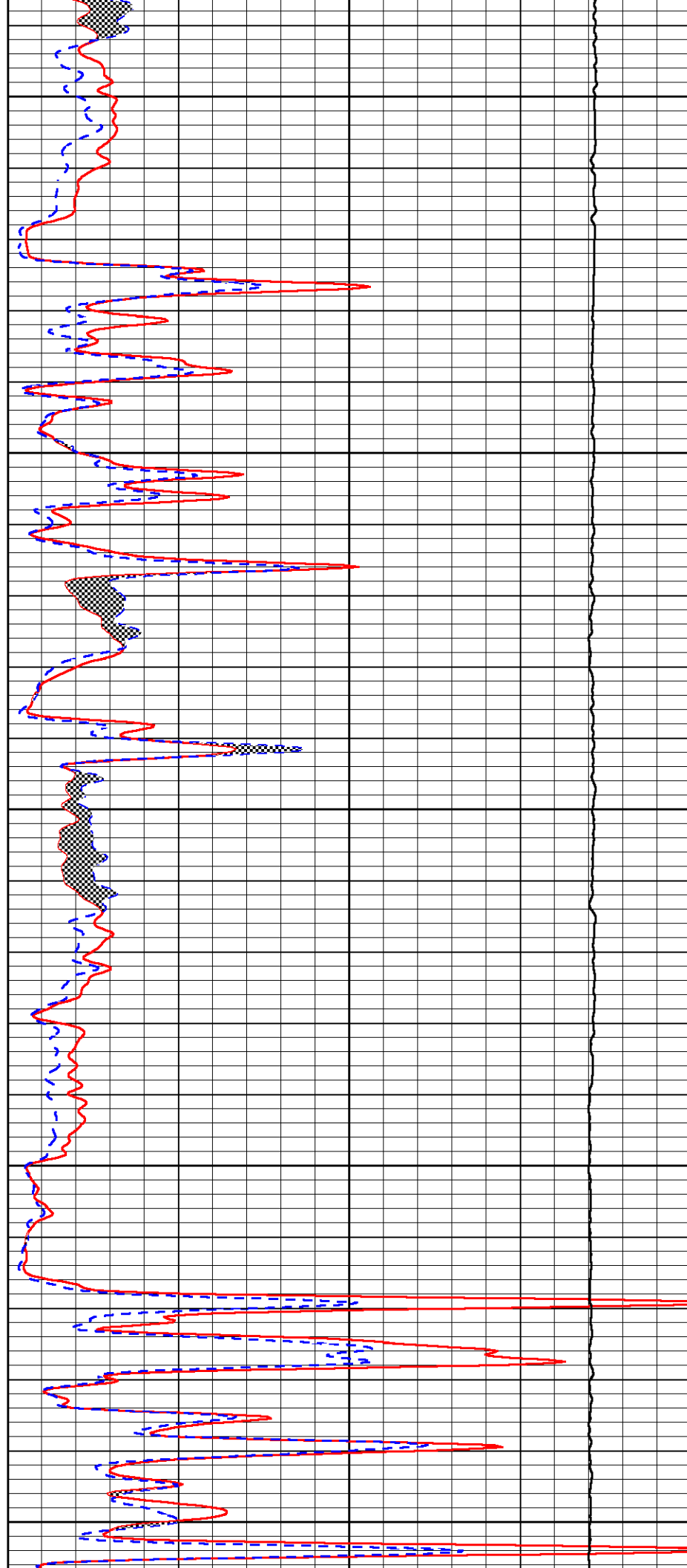
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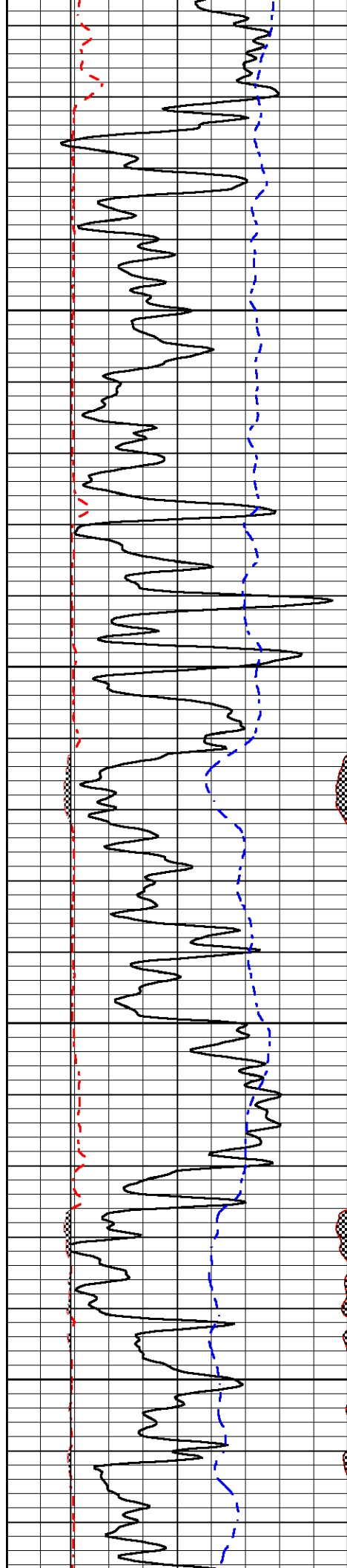
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3200

3250

3300



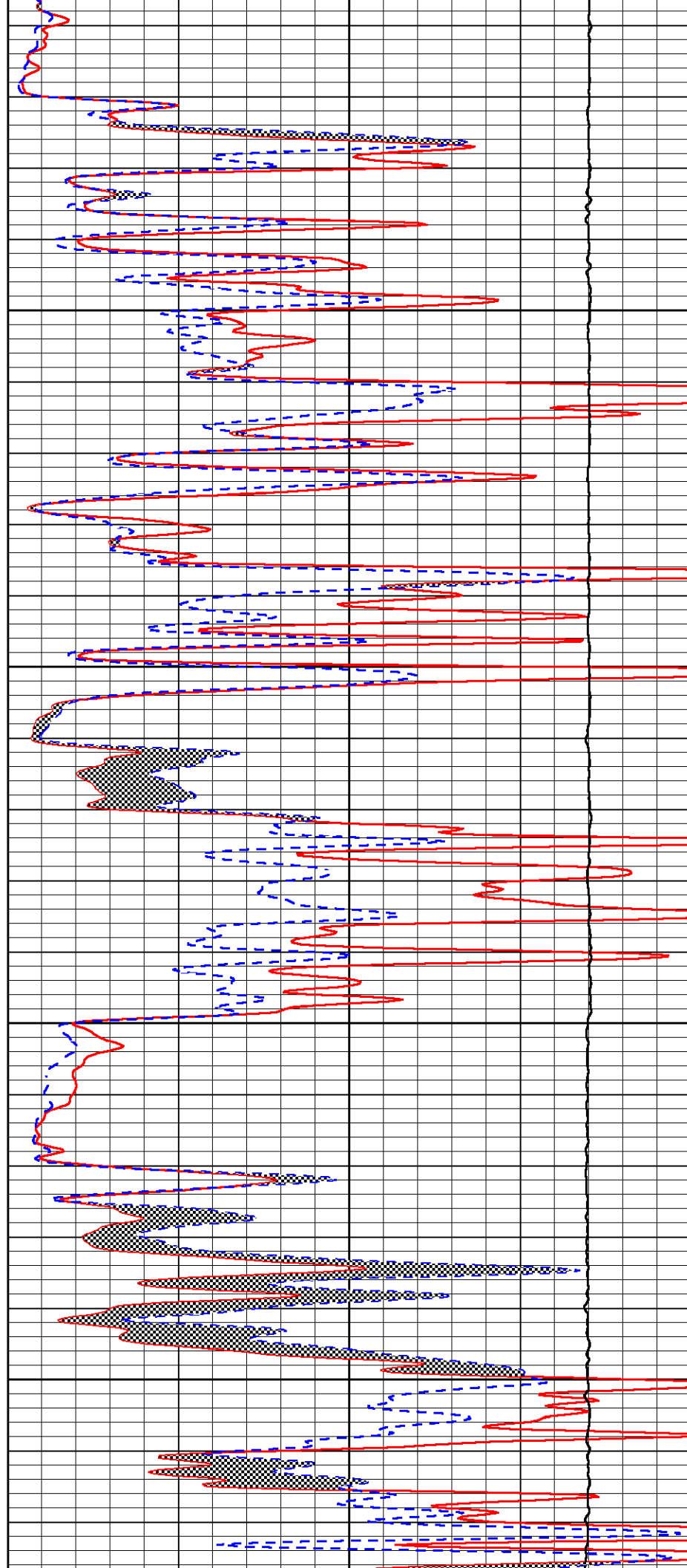


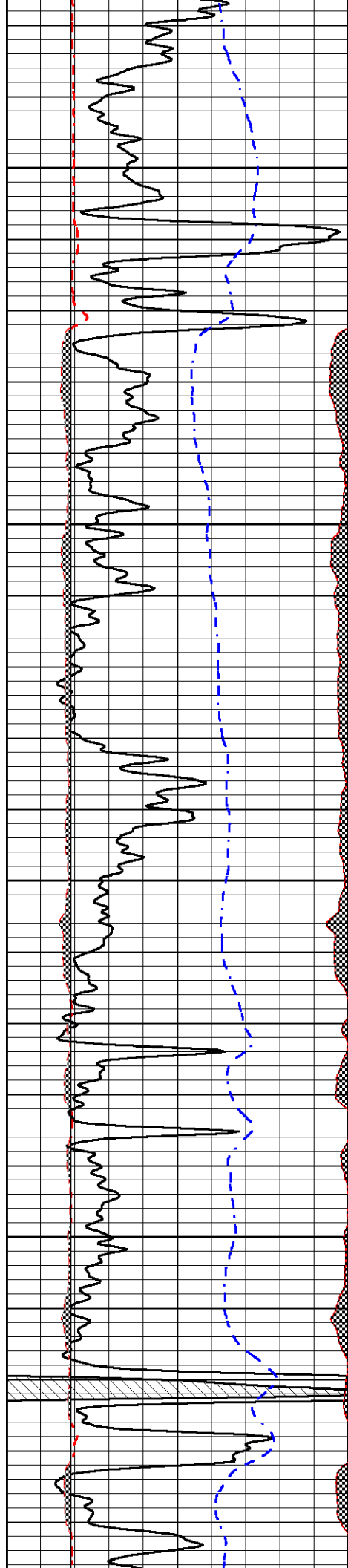
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3400

3450

3500



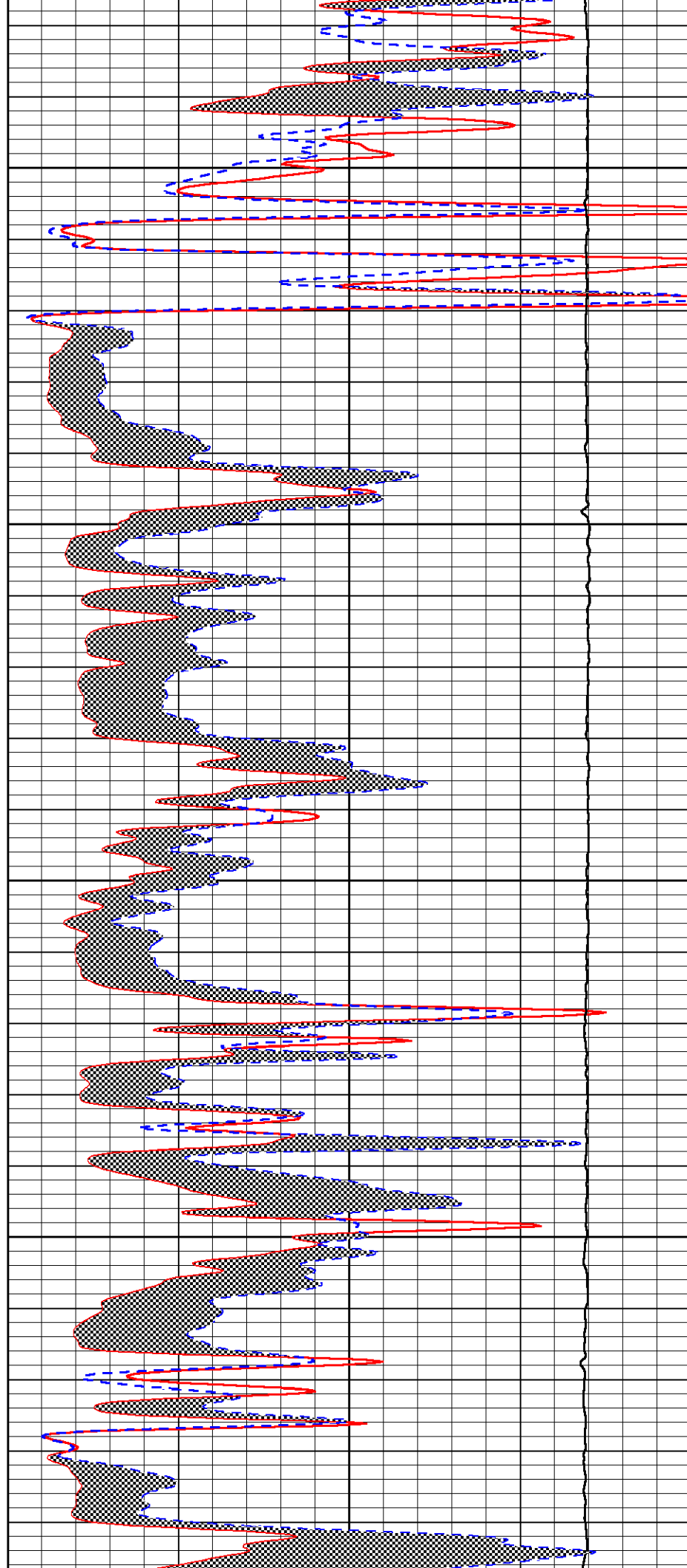


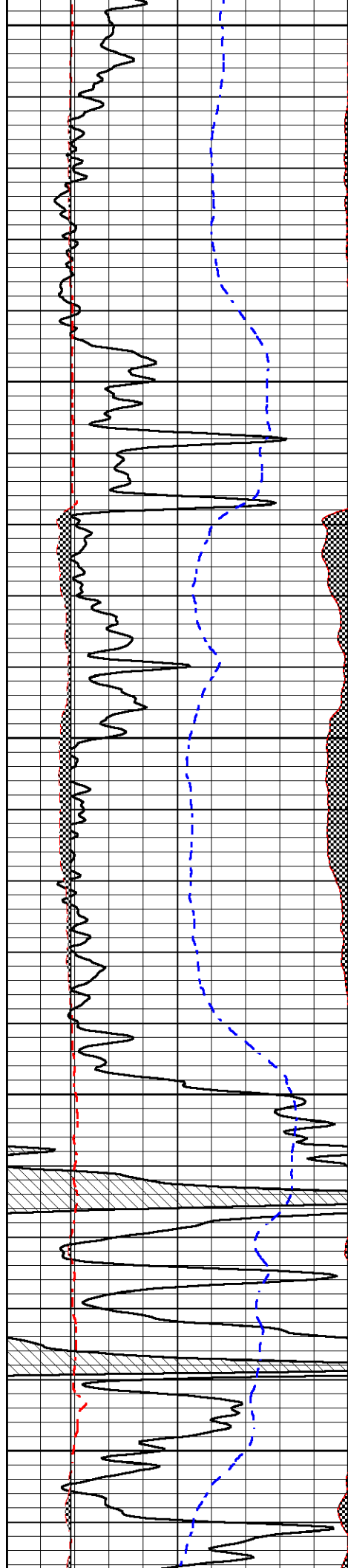
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3600

3650

3700





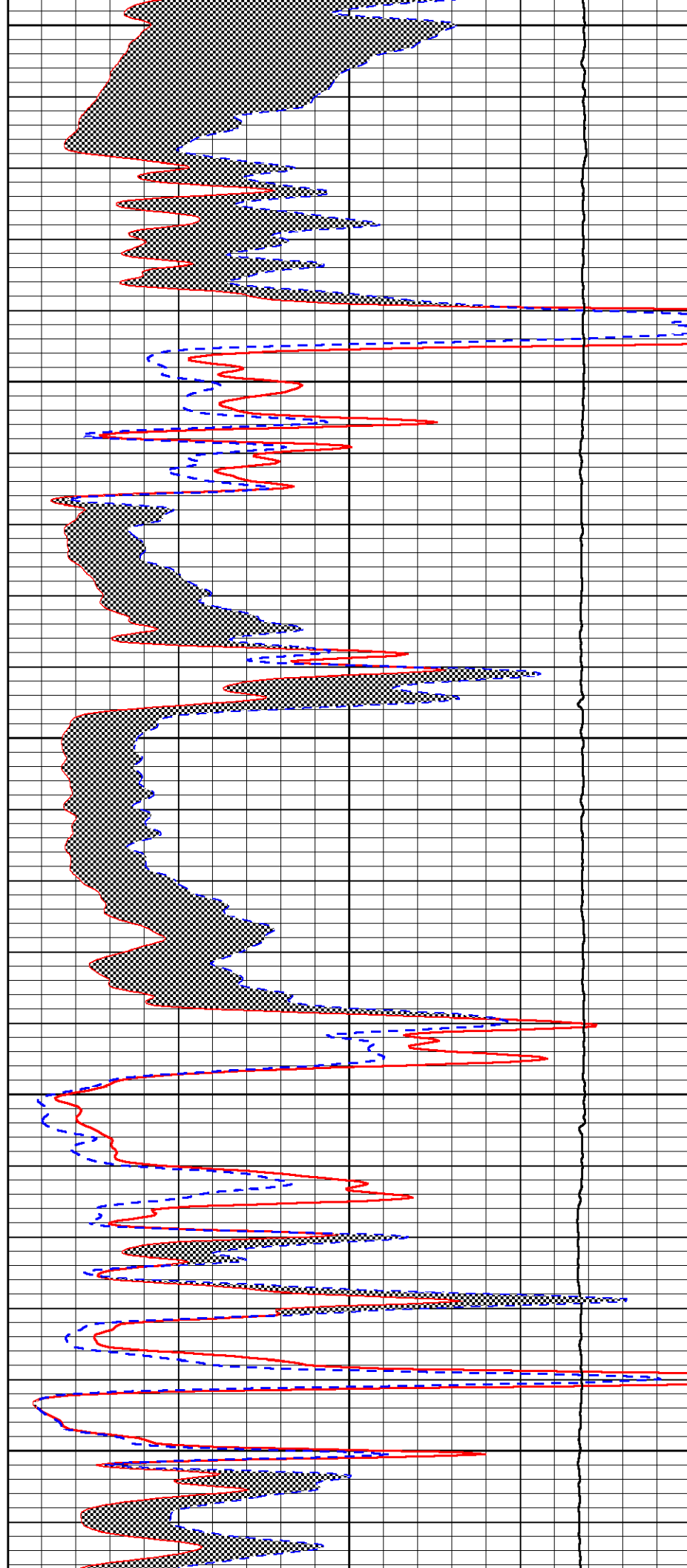
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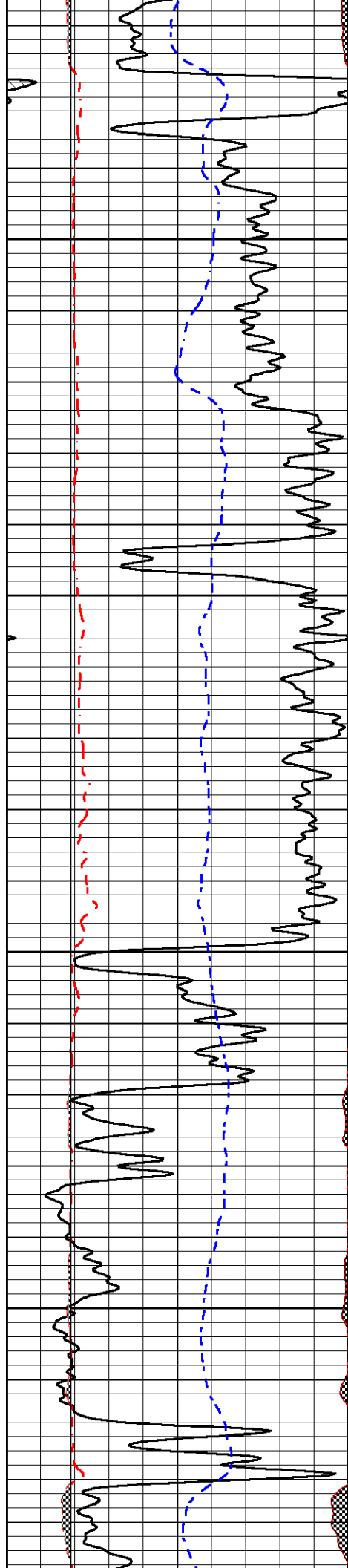
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3850

3900

3950



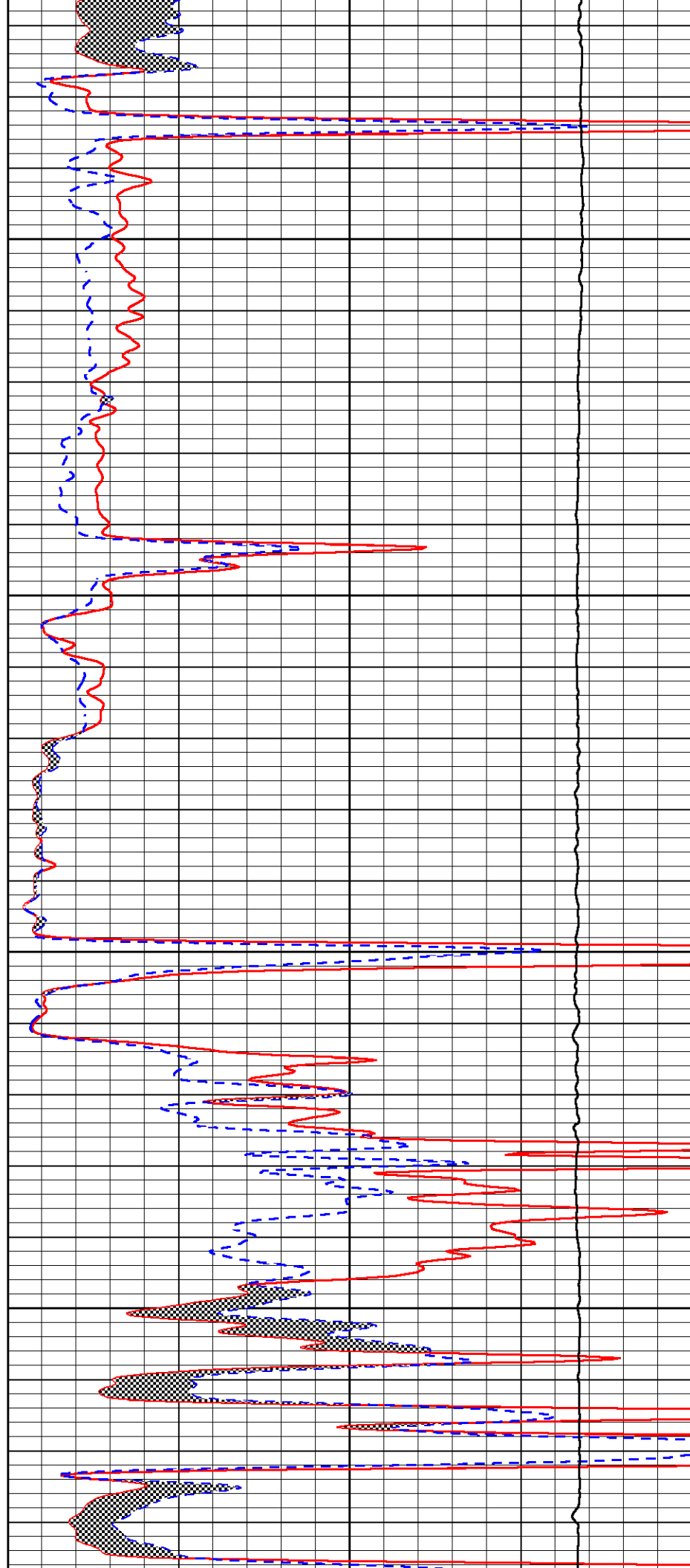


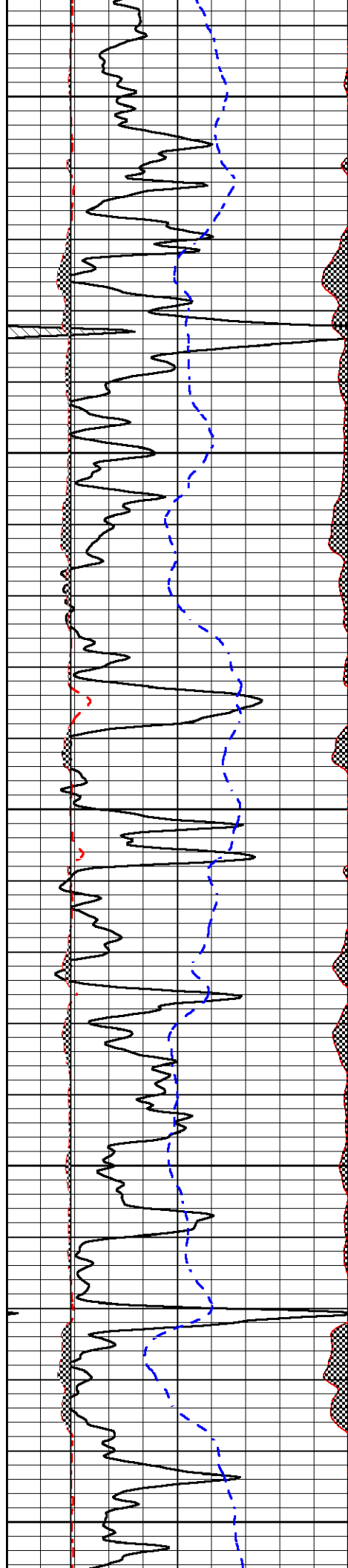
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4050

4100

4150





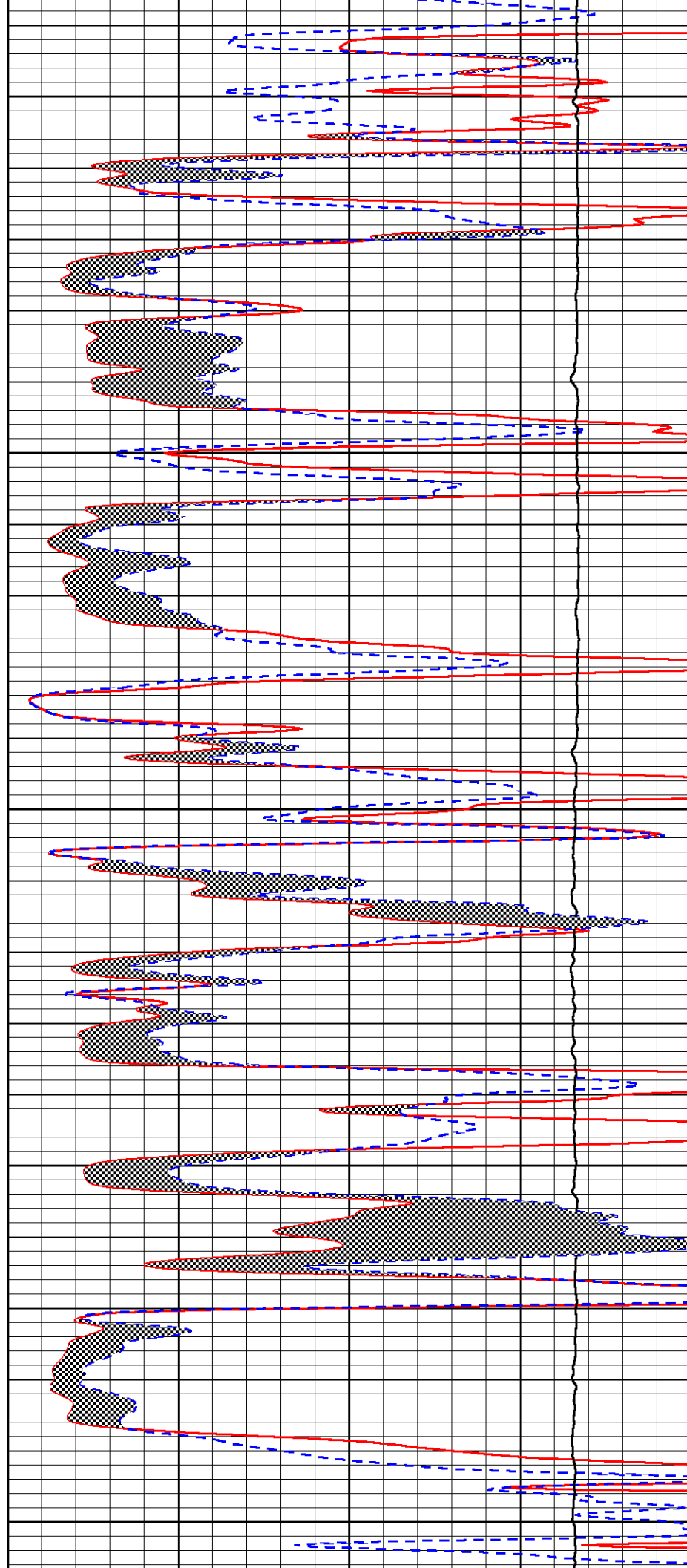
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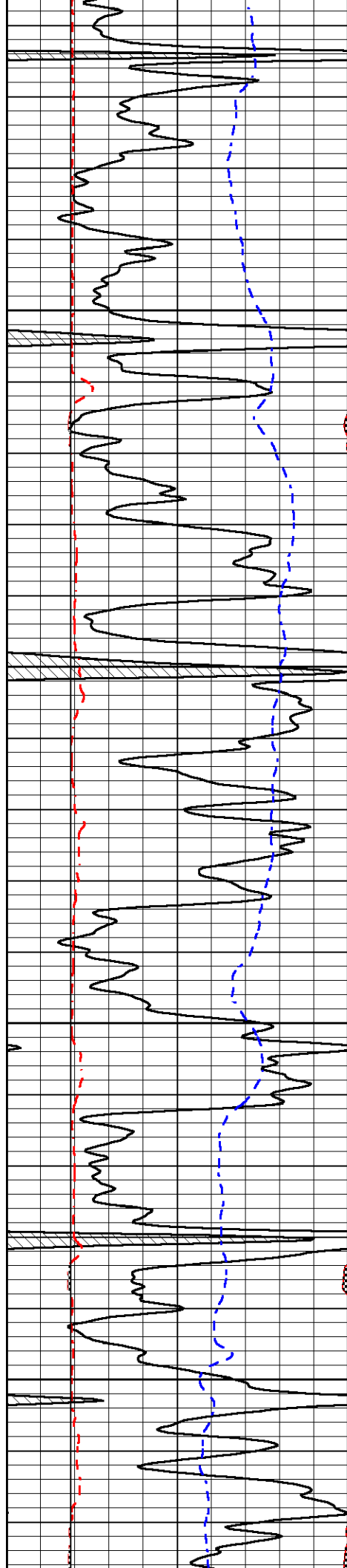
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4300

4350

4400



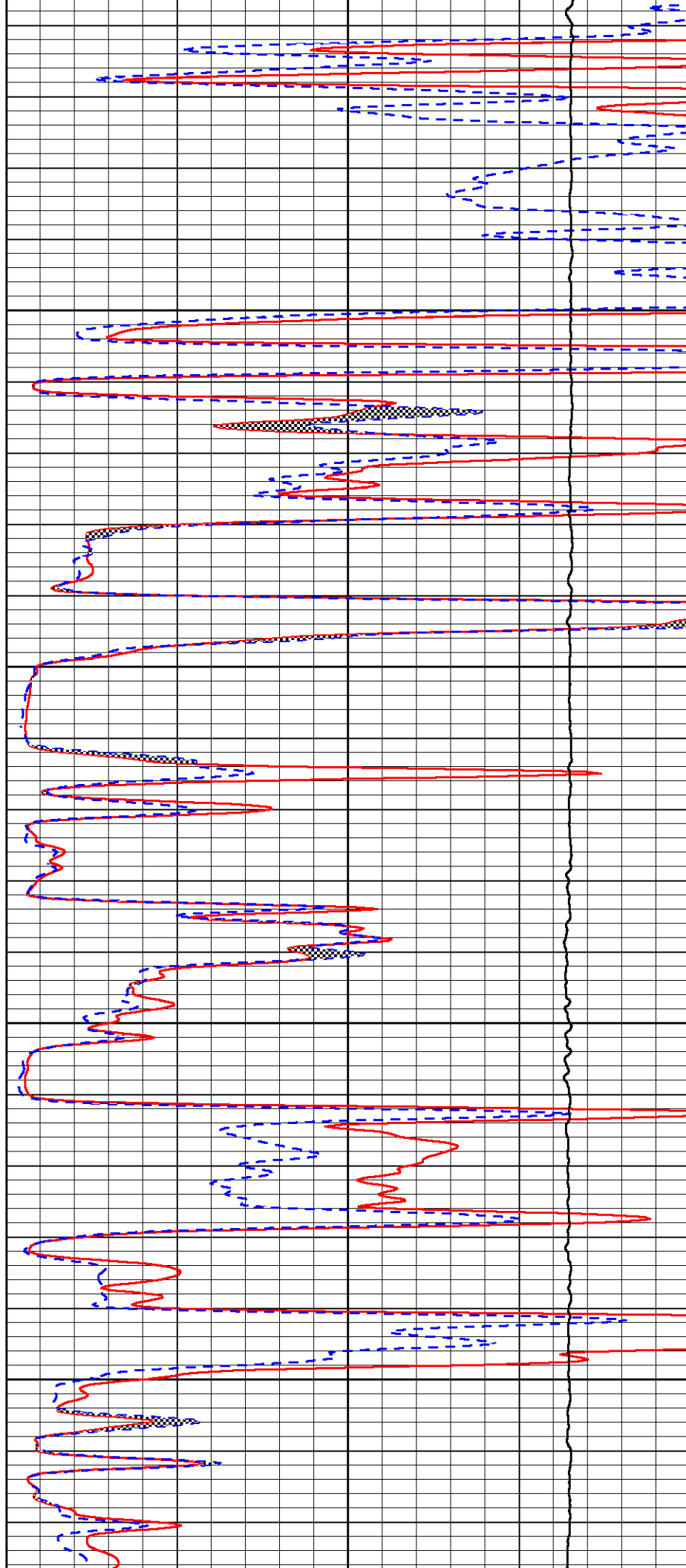


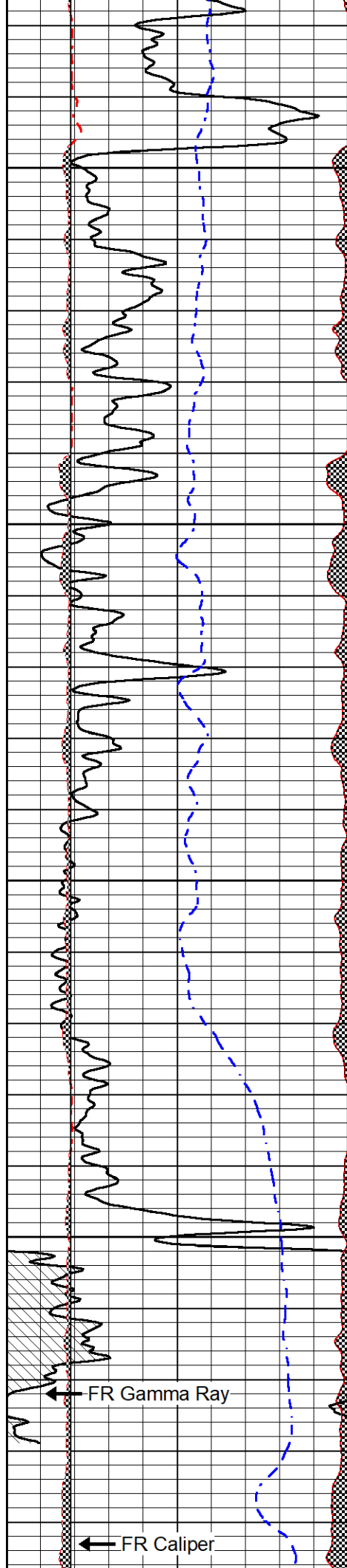
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4500

4550

4600



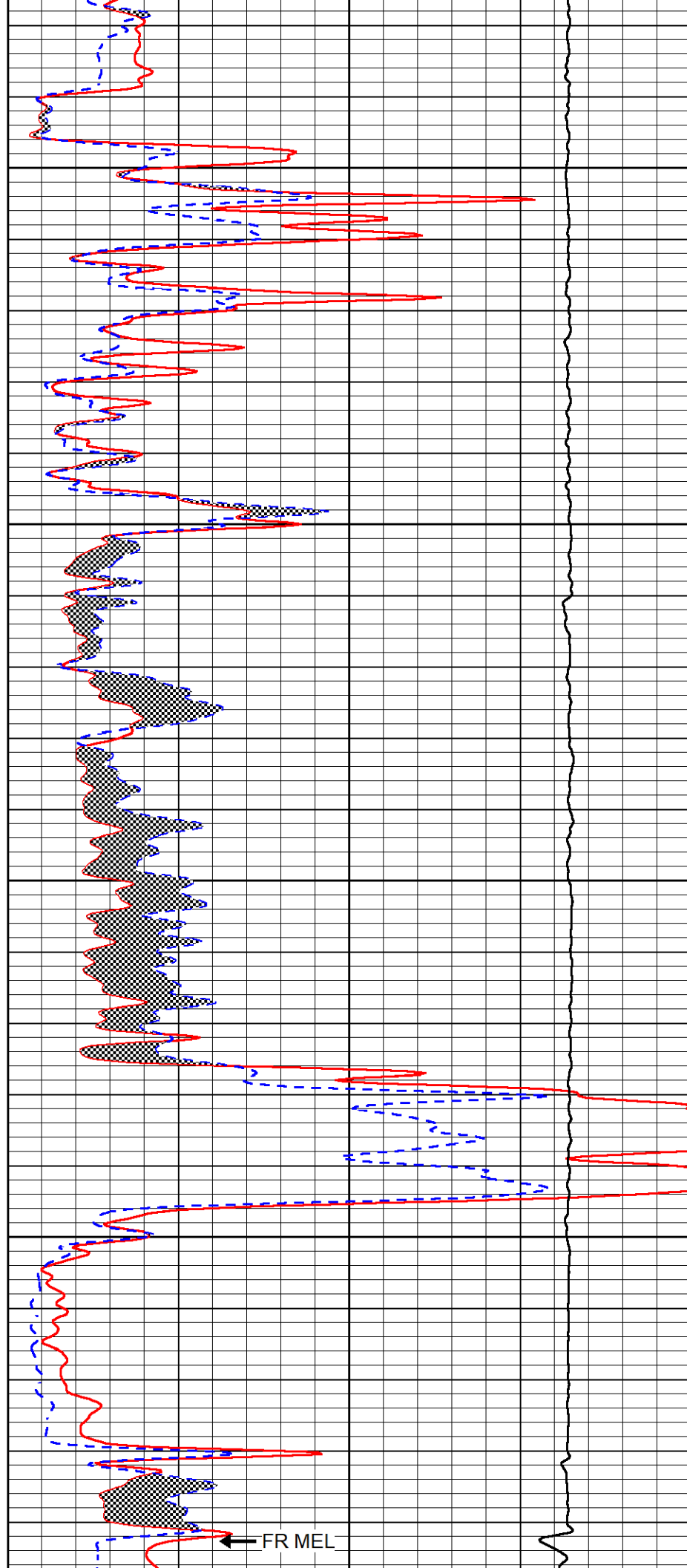


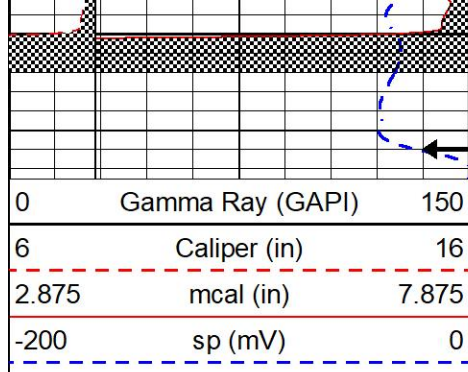
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4700

4750

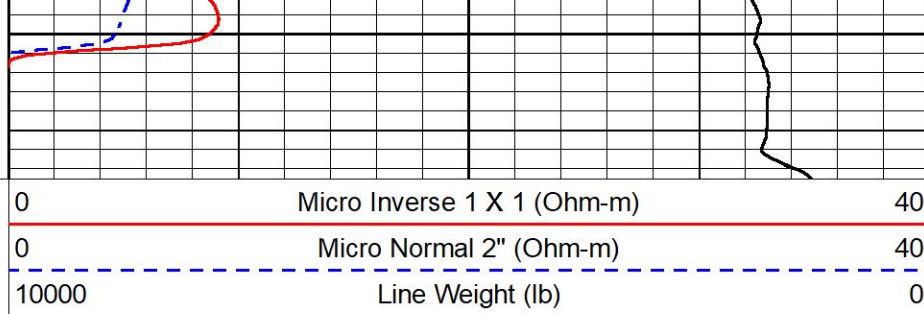
4800





4850

FR SP

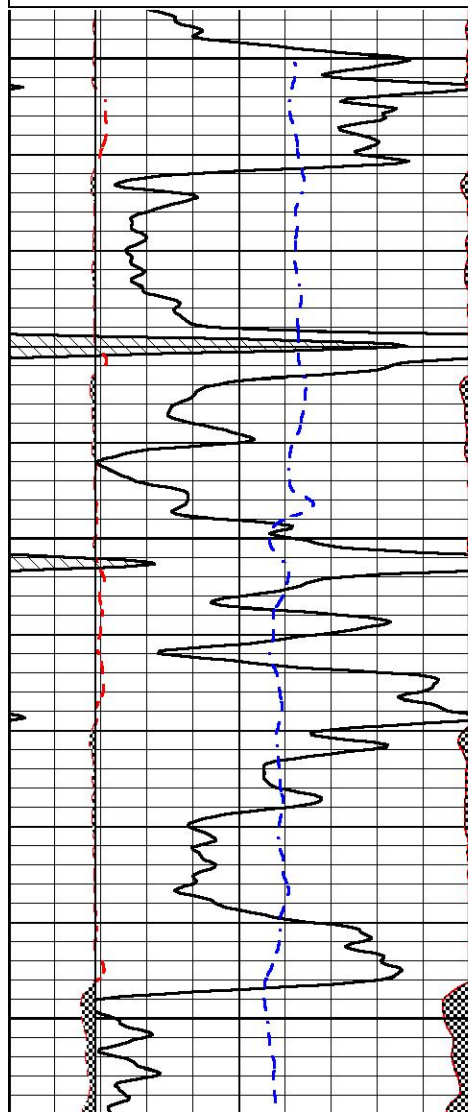
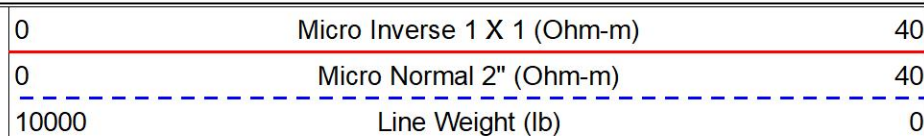
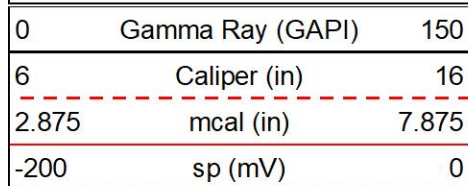


MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

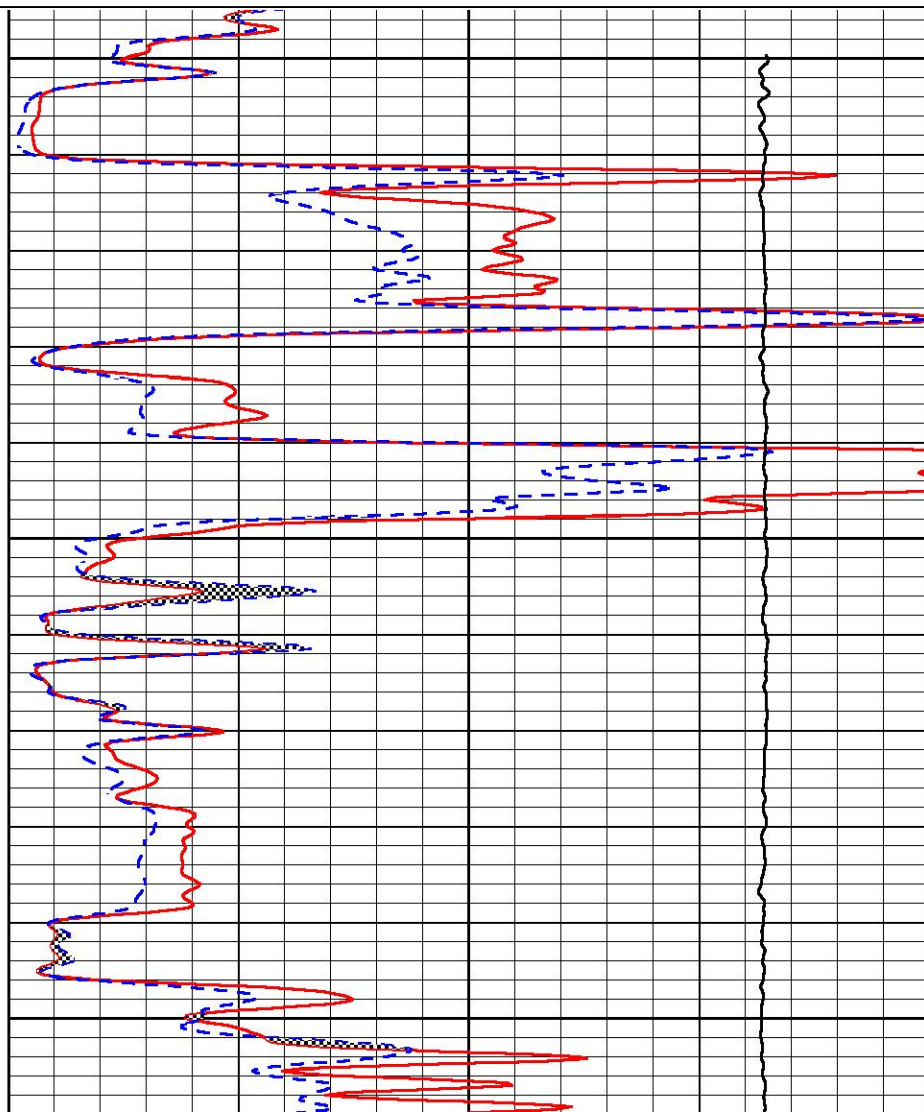
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 Dataset Pathname stkml/pass2.15
 Presentation Format _micro
 Dataset Creation Tue Jun 28 06:56:21 2022
 Charted by Depth in Feet scaled 1:240

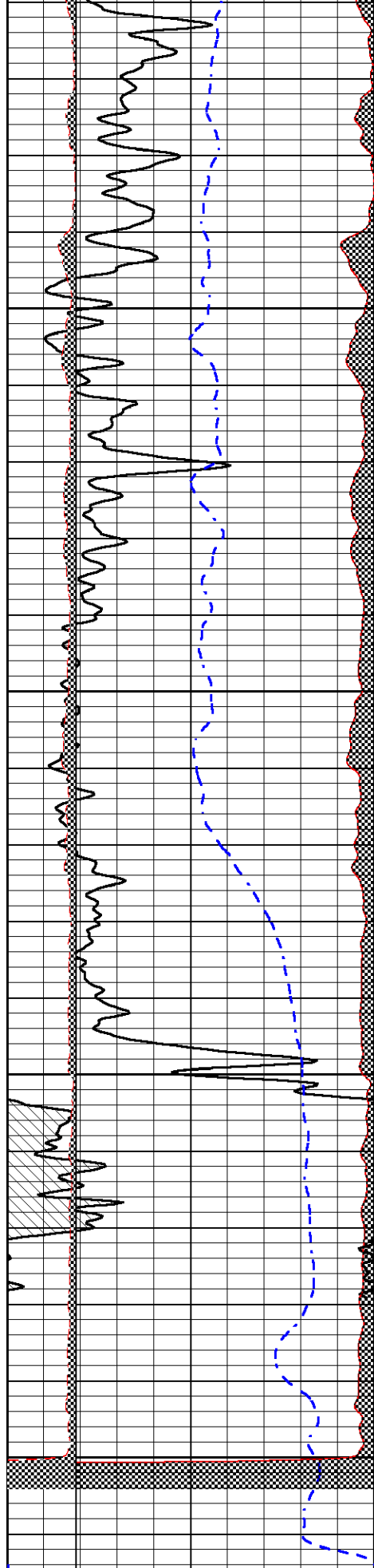


4550

4600

4650





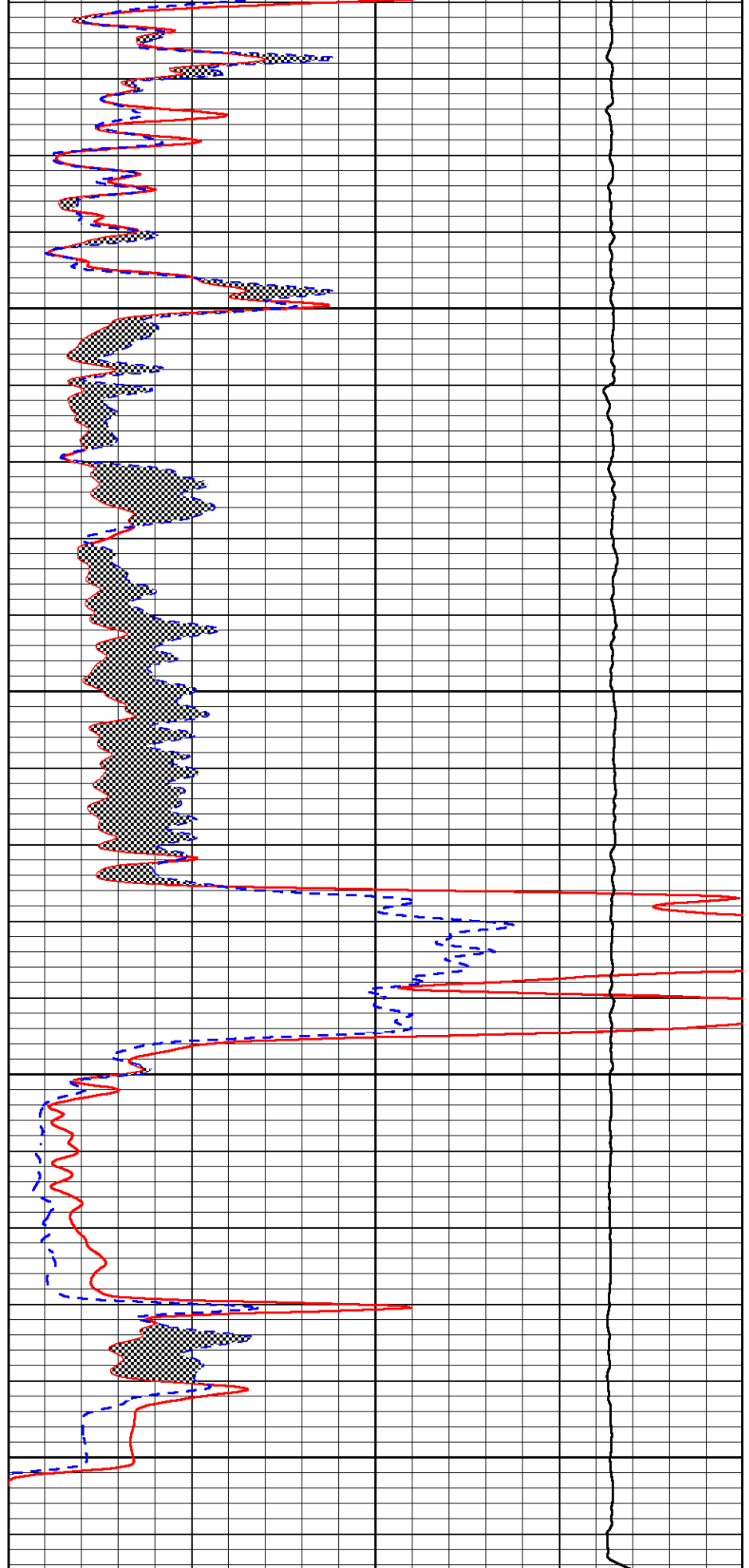
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875

4700

4750

4800

4850



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

Calibration Report	
Database File	griffin_monroe 2.db
Dataset Pathname	stkml/pass3.11
Dataset Creation	Tue Jun 28 06:50:58 2022

Dual Induction Calibration Report

Serial-Model:	502 HT-M&W
Surface Cal Performed:	Wed Jun 22 04:33:34 2022

Readings			References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.454	-41.000
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.350	-34.000

Microlog Calibration Report

Serial-Model:	401-PSIML
Performed:	Mon Jun 27 17:53:09 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	18000.0000	-1.0000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	9000.0000	0.0000
Caliper	1.0052	1.0858	5.0000	16.5000	in	142.7190	-138.7250

Compensated Density Calibration Report

Serial-Model:	302-02-M&W
Source #:	20762B
Master Calibration Performed:	Wed Jun 22 01:19:51 2022

Master Calibration			
	Density		
	Magnesium	1.755 g/cc	Far Detector
	Aluminum	2.655 g/cc	Near Detector
		Spine Angle = 74.75	Density/Spine Ratio = 0.521
	Size		Reading
	Small Ring	8.00 in	0.53
	Large Ring	16.00 in	0.60

Compensated Neutron Calibration Report

Serial Number:	207-MW
Tool Model:	M&W

CALIBRATION			
Detector	Readings	Target	Normalization
Shallow	22.12	1000.00	1.0005

Short Space	6240.00	cps	1000.00	cps	1.6025
Long Space	460.00	cps	1000.00	cps	1.9500

PRE-SURVEY VERIFICATION					
	Detector	Readings	Measured	Target	
1)	Short Space	cps			
	Long Space	cps	pu		pu
2)	Short Space	cps			
	Long Space	cps	pu		
3)	Short Space	cps			
	Long Space	cps	pu		

POST-SURVEY VERIFICATION					
	Detector	Readings	Measured	Target	
1)	Short Space	cps			
	Long Space	cps	pu		pu
2)	Short Space	cps			
	Long Space	cps	pu		pu
3)	Short Space	cps			
	Long Space	cps	pu		pu

Gamma Ray Calibration Report

Serial Number:	101	
Tool Model:	M&W	
Performed:	Mon Jan 24 19:14:46 2022	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps

	Company	Griffin Management, LLC
	Well	Monroe #2
	Field	
	County	Pratt
	State	Kansas