



MICRORESISTIVITY LOG

MIDWEST WIRELINE

Company Molitor Oil, Inc.			
Well	Giefer #1		
Field			
County	Kingman		
State	Kansas		
Location: API #: 15-095-22347-00-00			
557 FNL & 1310 FEL			
SEC 23 TWP 29S RGE 9W			
Permanent Datum	Ground Level	Elevation	1690
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Other Services		CNL/CDL DIL	
Date		6/9/2022	
Run Number	One		
Depth Driller	4666		
Depth Logger	4668		
Bottom Logged Interval	4667		
Top Log Interval	3300		
Casing Driller	8.625 @ 200		
Casing Logger	197		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	8000		
Density / Viscosity	9.3	53	
pH / Fluid Loss	11.0	10.0	
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.30 @ 76		
Rmt @ Meas. Temp	0.23 @ 76		
Rmc @ Meas. Temp	0.41 @ 76		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.19 @ 123		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	123		
Equipment Number	P-108		
Location	HAYS		
Recorded By	D. Schmidt		
Witnessed By	Max Lovely		

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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.

Zenda,
5 North to 90 Rd, 1 East

Log Measured From: Kelly Bushing

13 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Max Lovely
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33			GR-M&W (103)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48			CNT-M&W (210)	5.00	3.50	100.00
LSD DCAL SSD	28.18			CDL-M&W (303-03)	8.50	4.00	250.00
	28.17			ML-PSI STKBL ML (401)	7.58	4.00	65.00
	27.68						
MCAL MI MN	19.58						
	19.58			RLL3F RLL3	15.50	15.50	
	19.58						
RLL3F RLL3	15.50			DIL-M&W (504 HT)	18.25	3.50	220.00
	15.50						
CILD	8.33						
CILM	4.50						
SP	0.20						
Dataset: molitor_giefer 1.db: field/well/stkml/pass4.11 Total length: 42.33 ft Total weight: 685.00 lb O.D.: 4.00 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\molitor_giefer 1.db
Dataset field/well/stkml/pass4.11/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 123	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 620	degF 70	Off	ft 4668

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



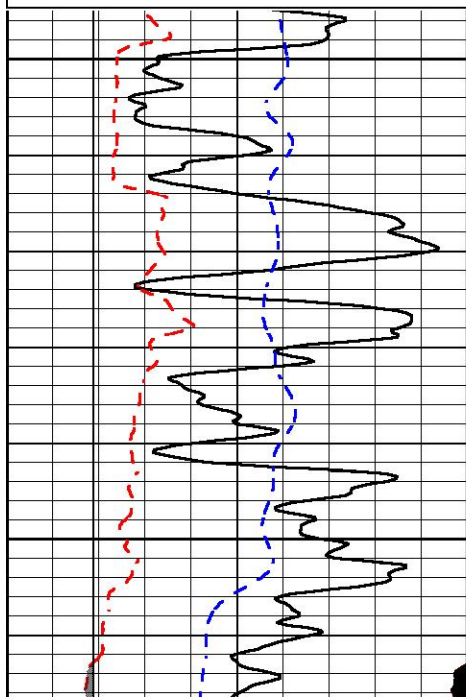
INDIAN CAVE

MAIN PASS

Database File molitor_giefer 1.db
Dataset Pathname stkml/pass4.4
Presentation Format _micro
Dataset Creation Thu Jun 09 21:27:40 2022
Charted by Depth in Feet scaled 1:240

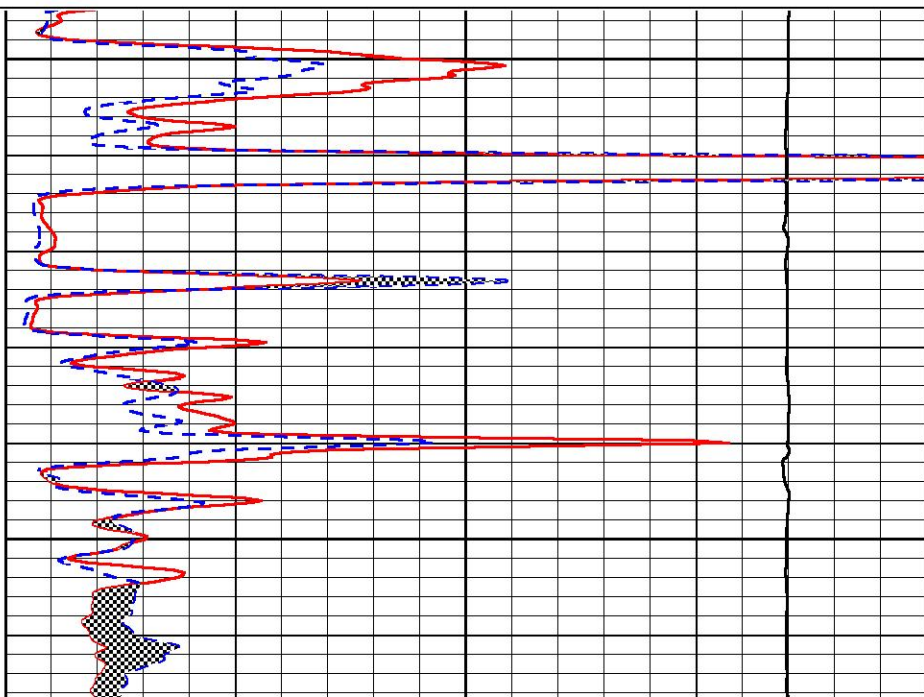
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6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	SP (mV)	0

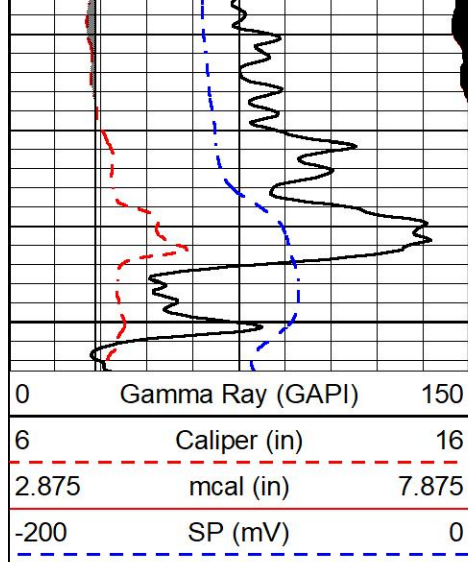
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



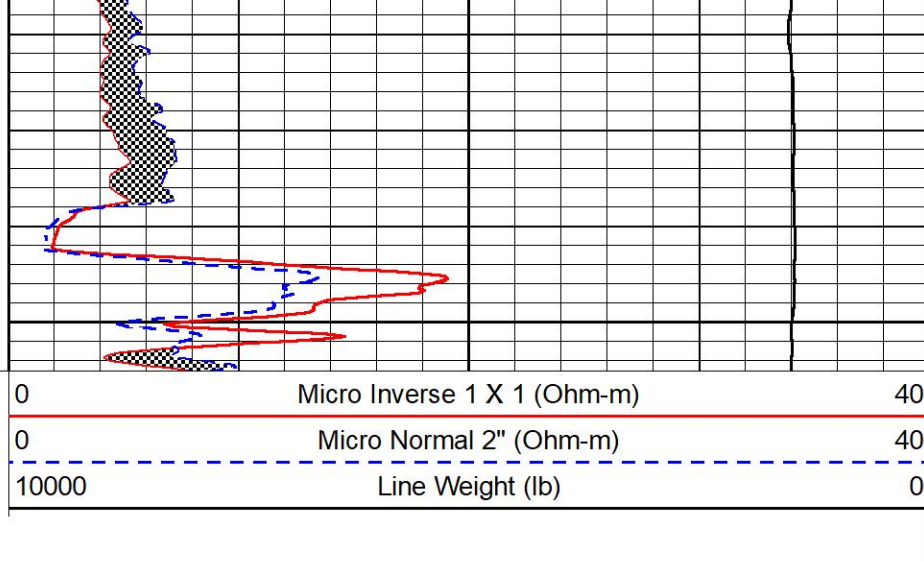
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2400





2450

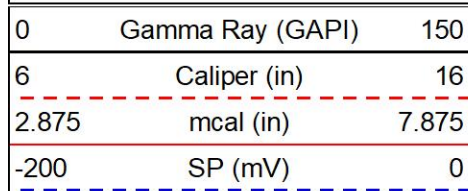


MIDWEST WIRELINE

DETAIL SECTION

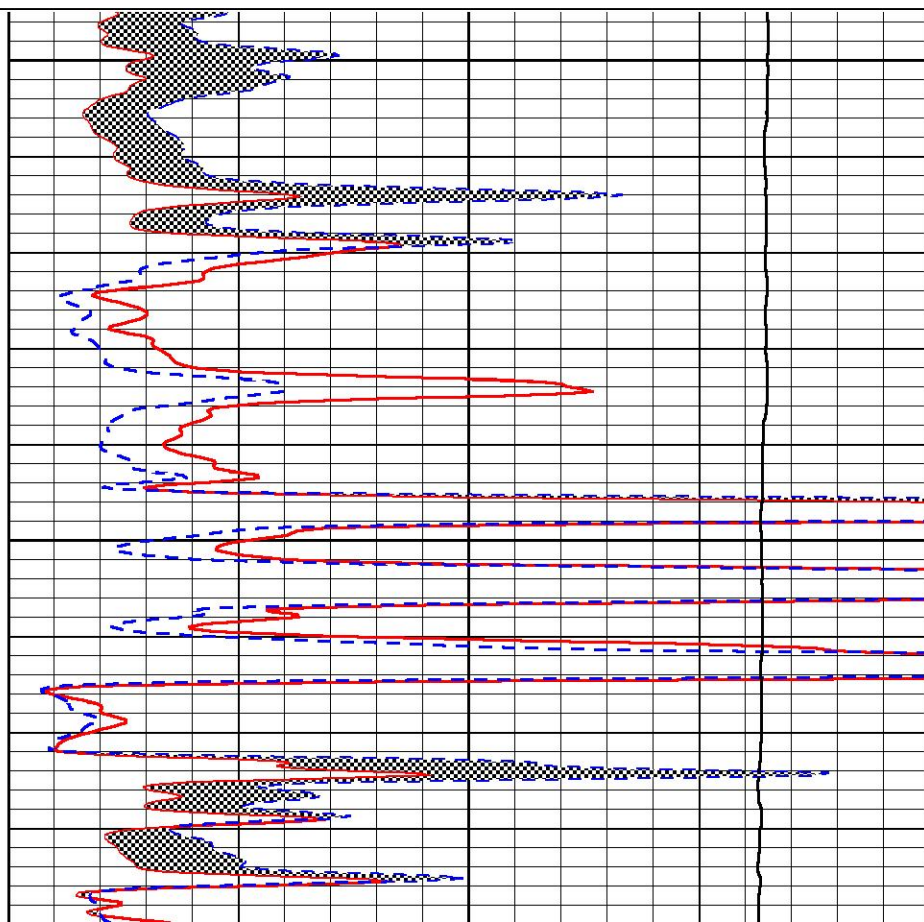
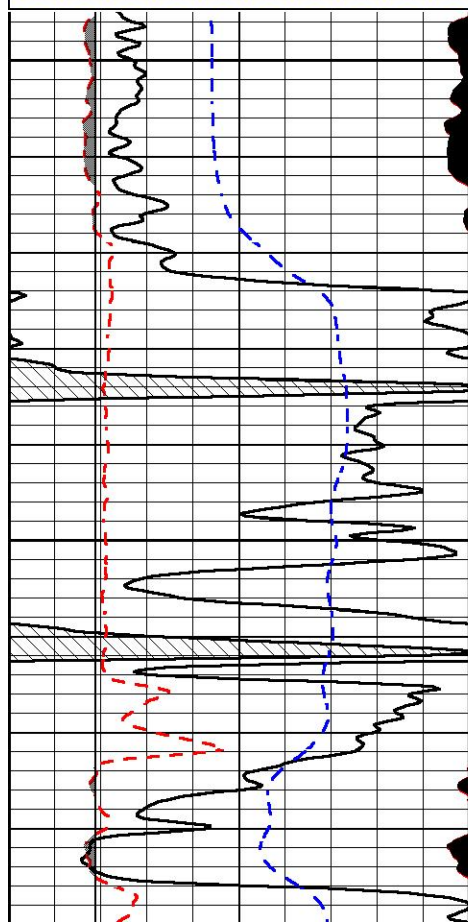
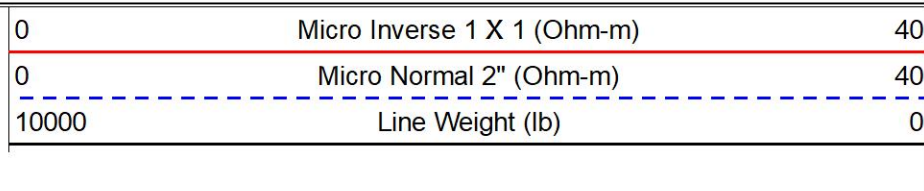
MAIN PASS

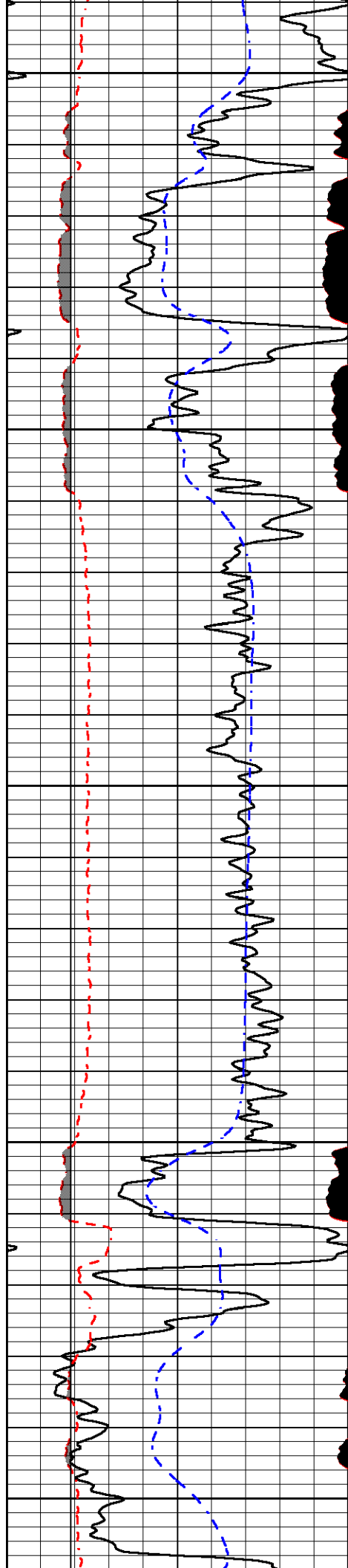
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 Dataset Pathname stkml/pass4.1
 Presentation Format _micro
 Dataset Creation Thu Jun 09 21:27:04 2022
 Charted by Depth in Feet scaled 1:240



3300

3350





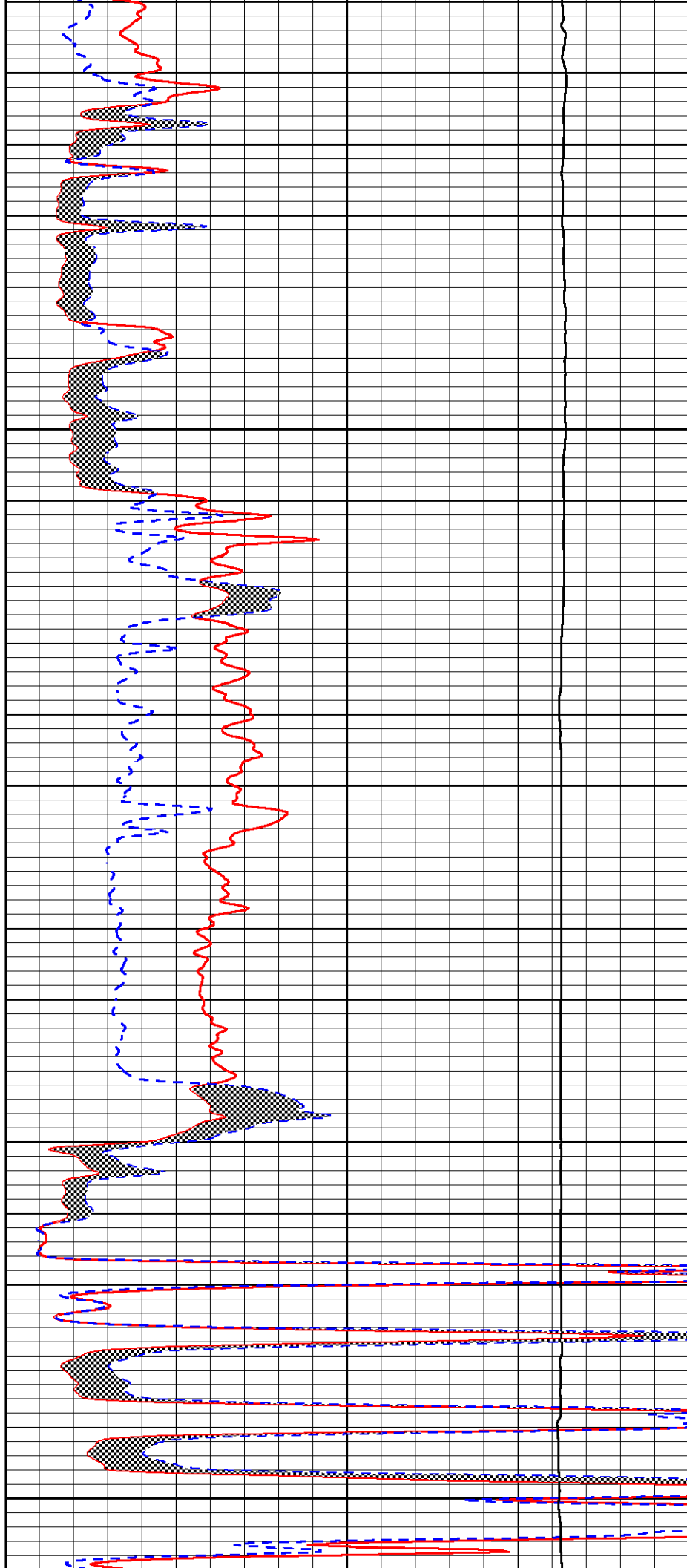
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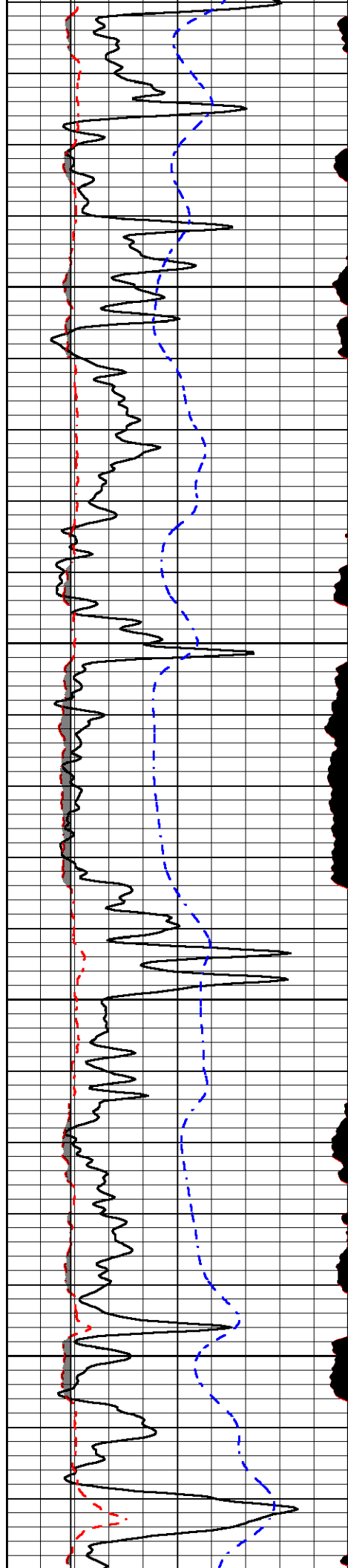
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3500

3550

3600



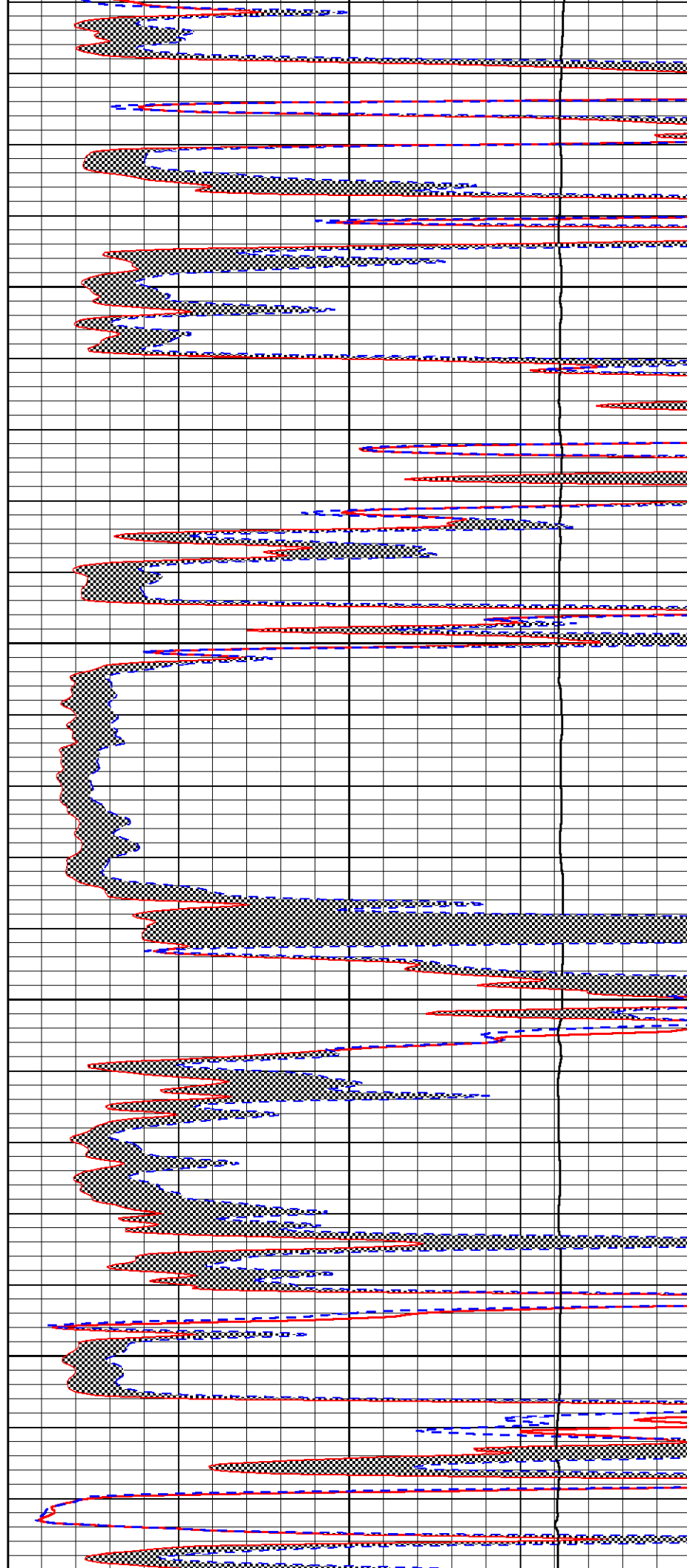


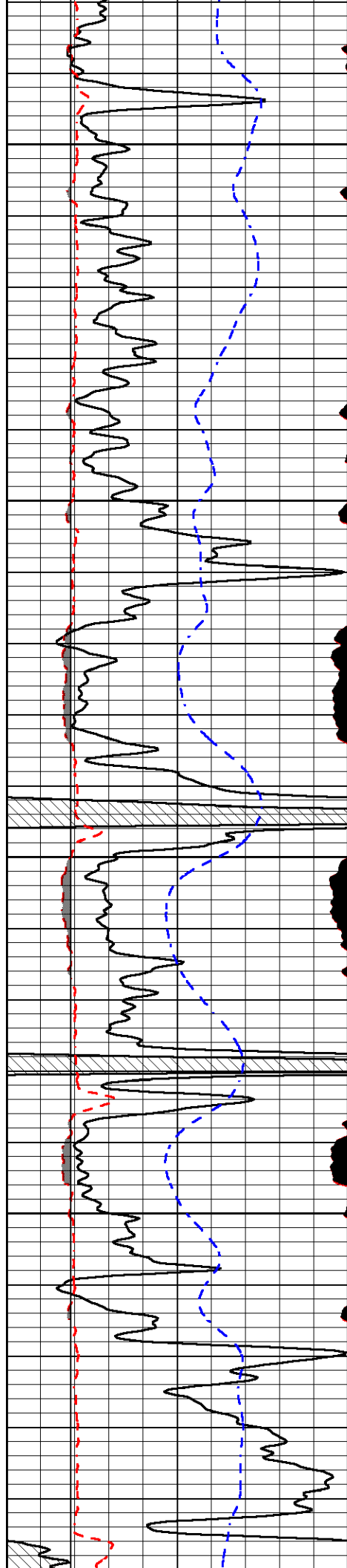
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3750

3800





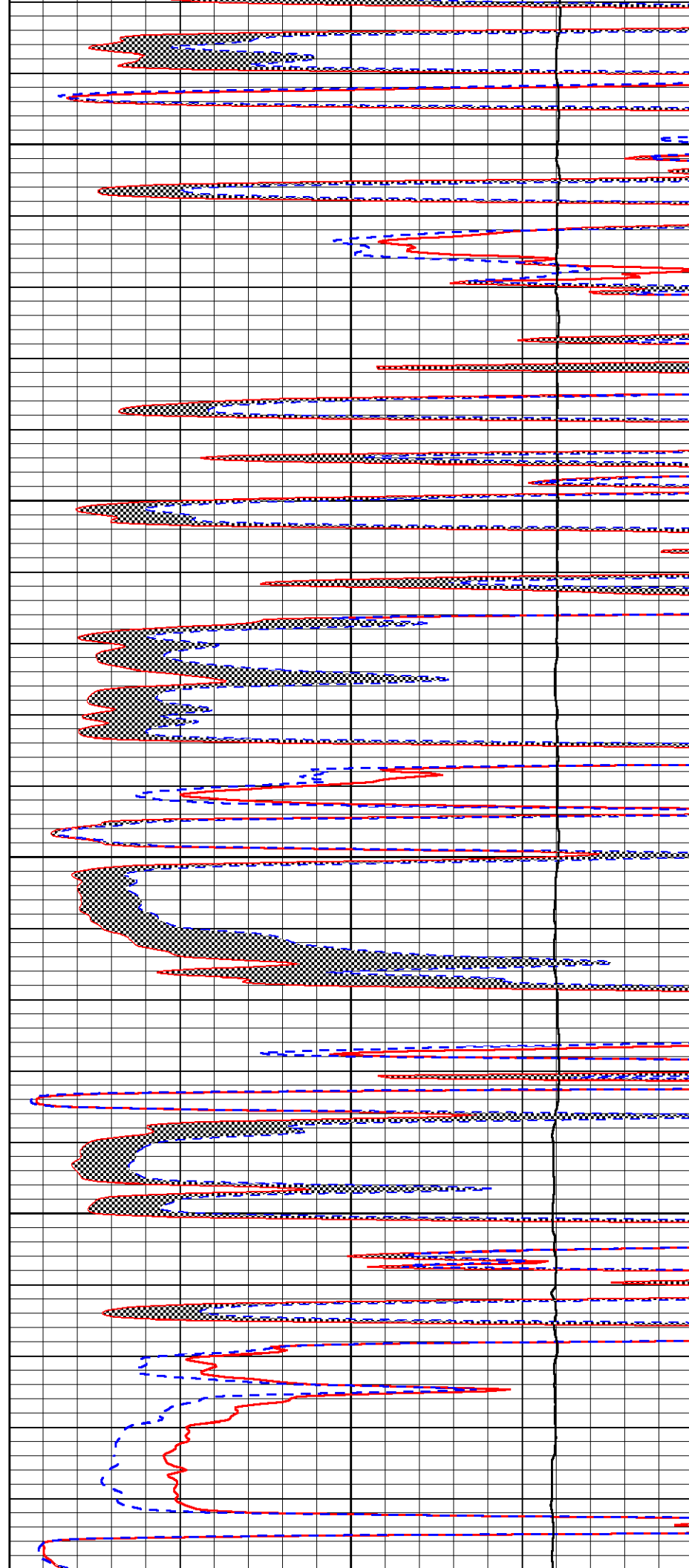
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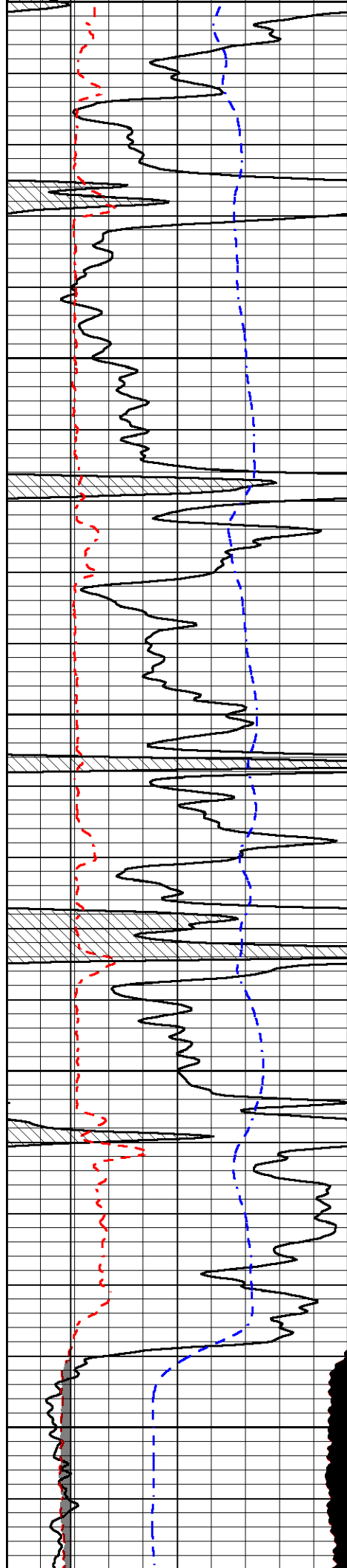
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3950

4000

4050





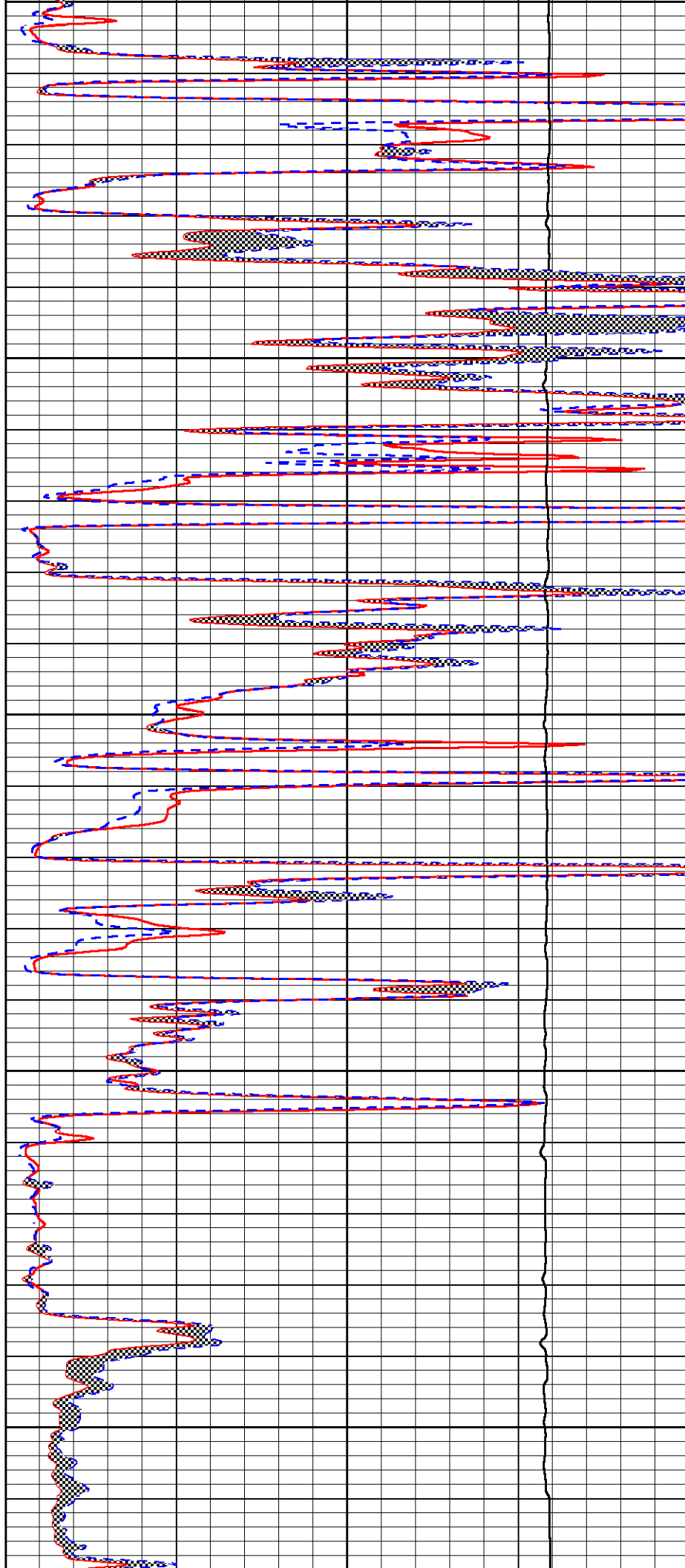
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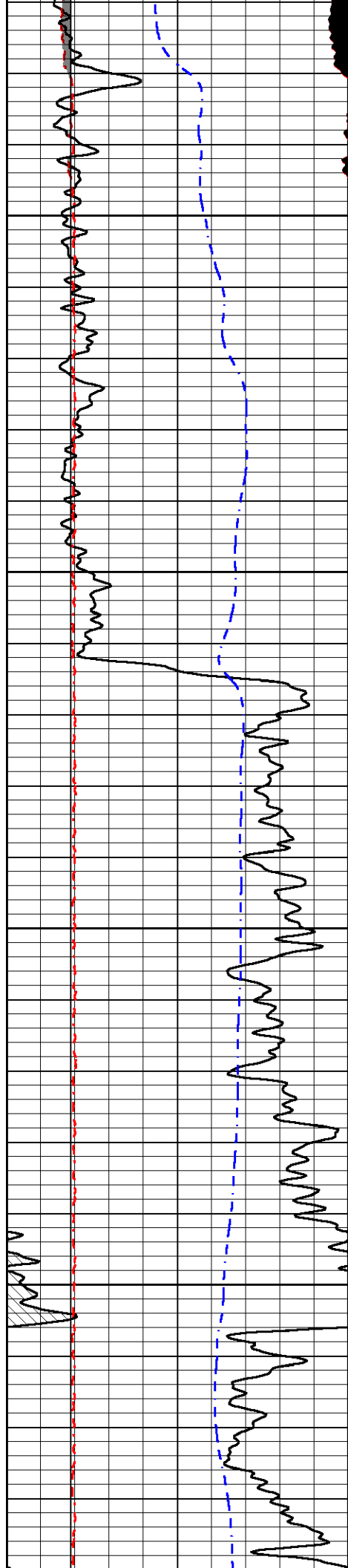
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4150

4200

4250



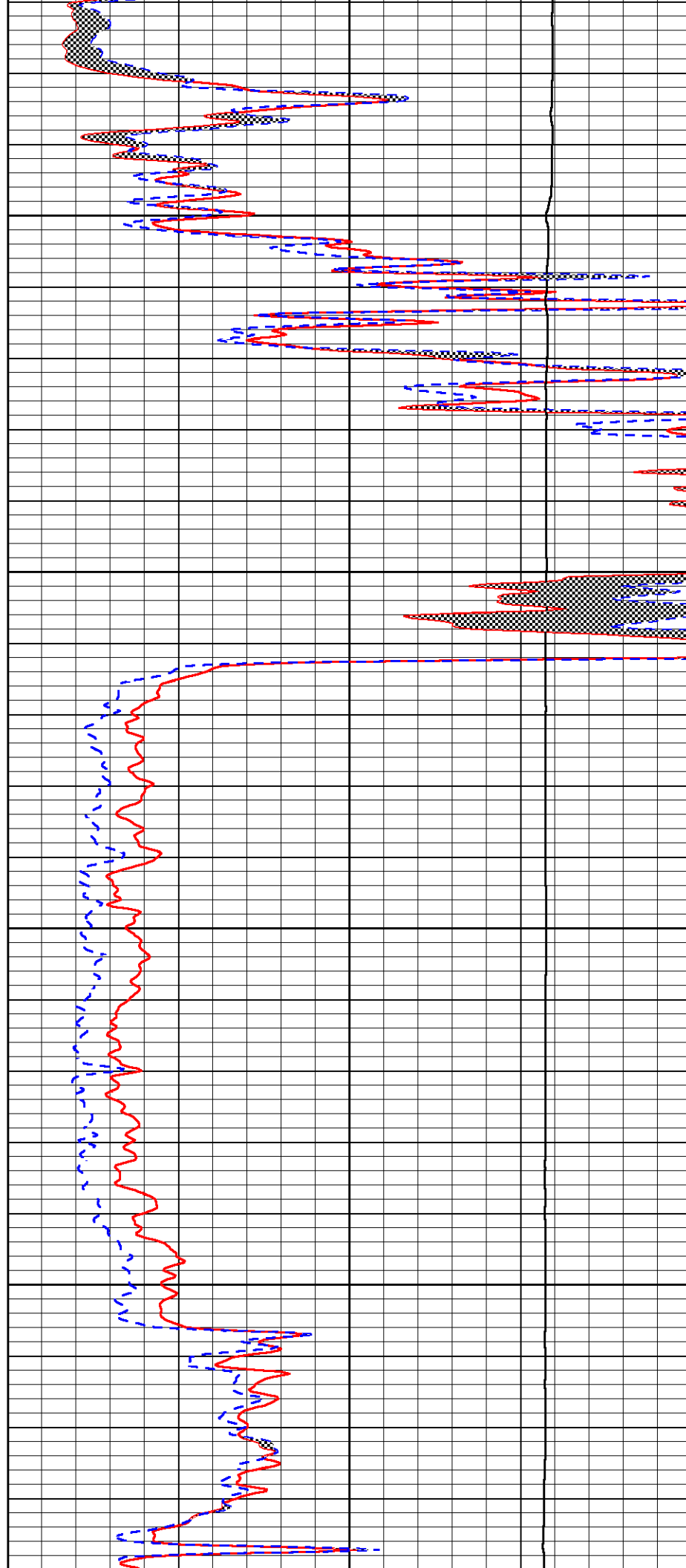


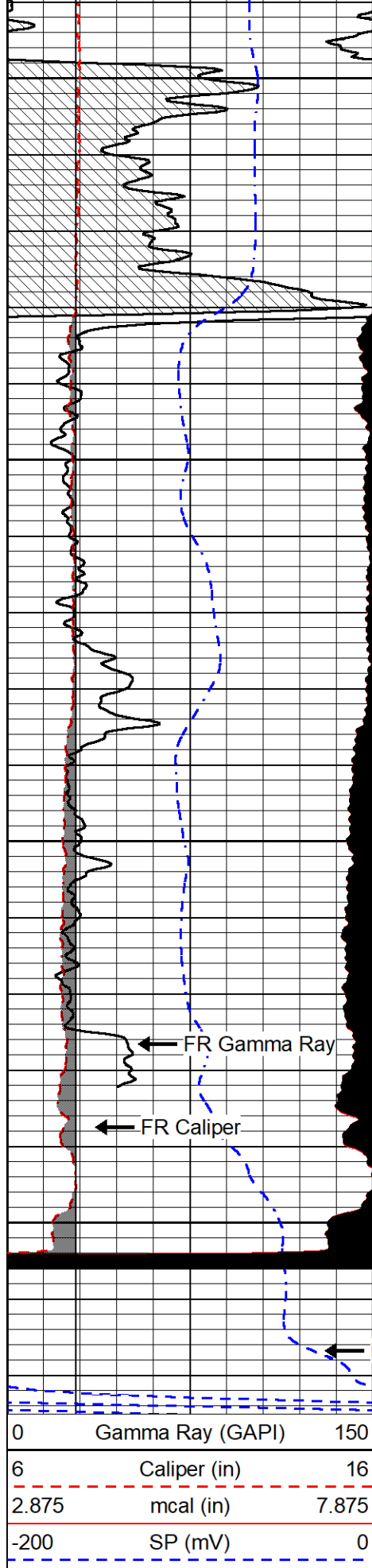
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4350

4400

4450



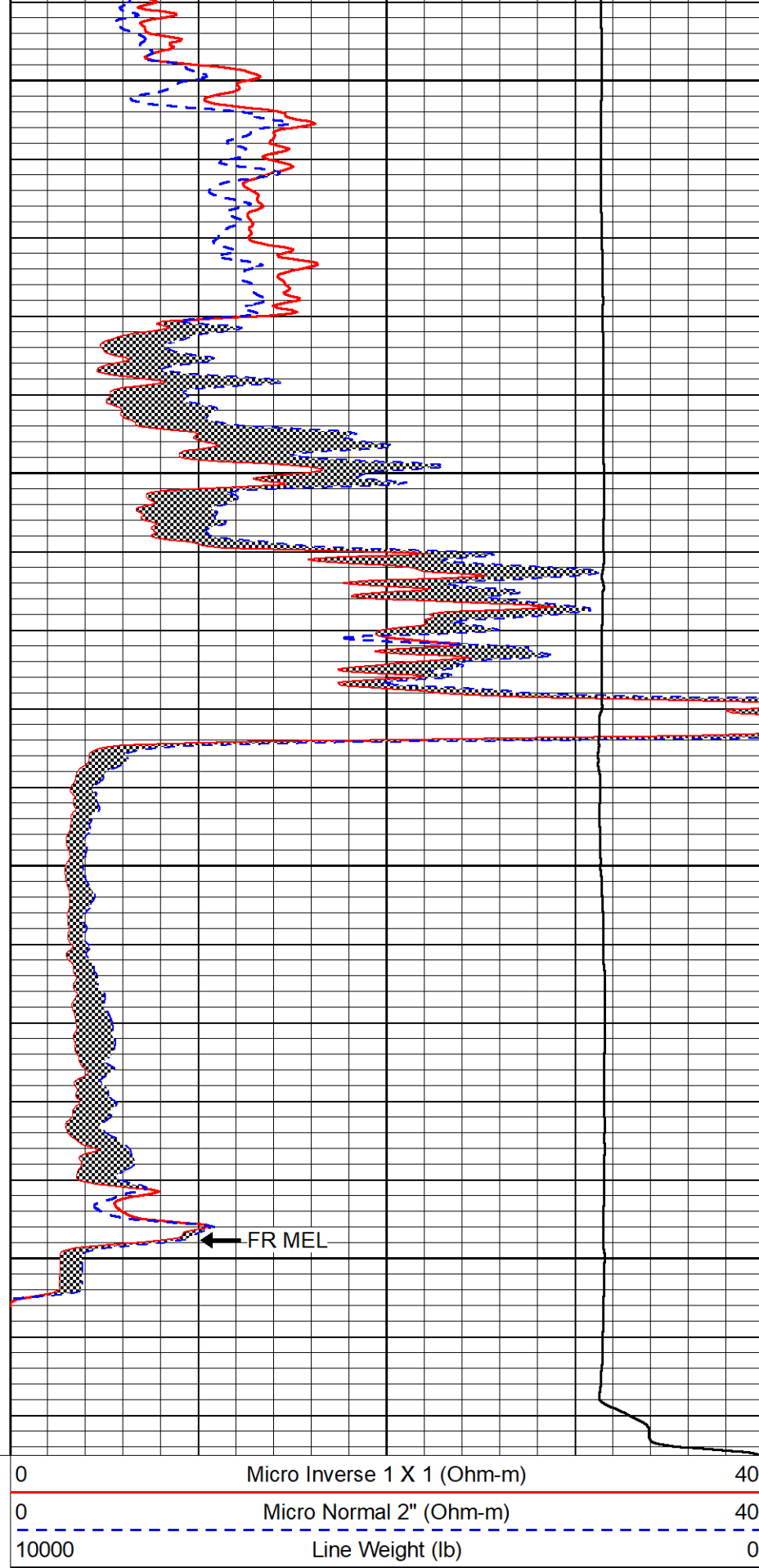


4500

4550

4600

4650



REPEAT SECTION

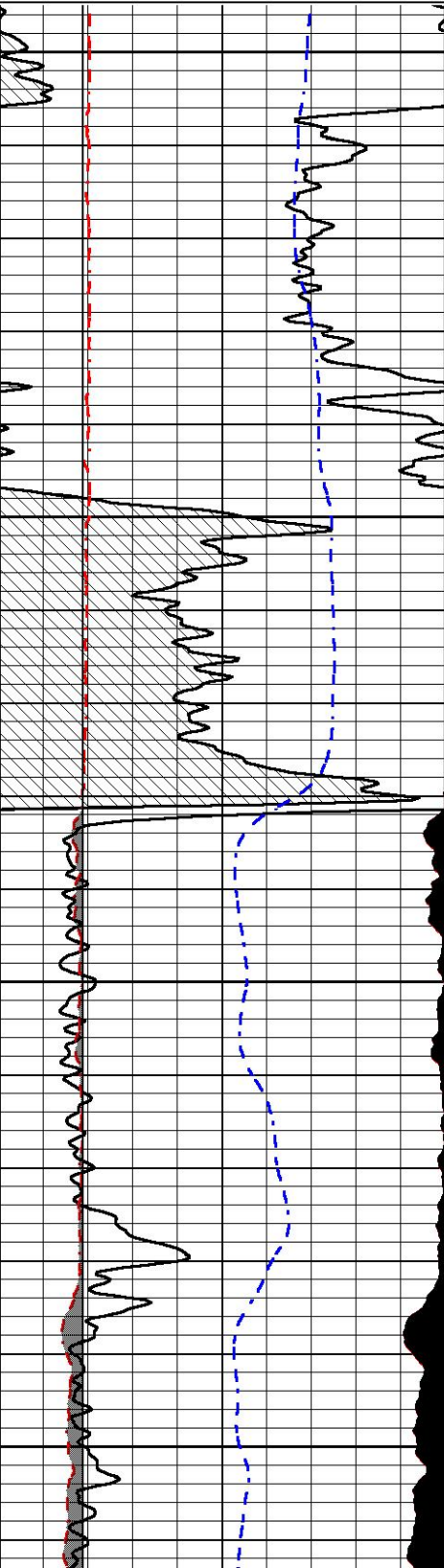


REPEAT PASS

Database File molitor_giefer 1.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Thu Jun 09 20:45:19 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

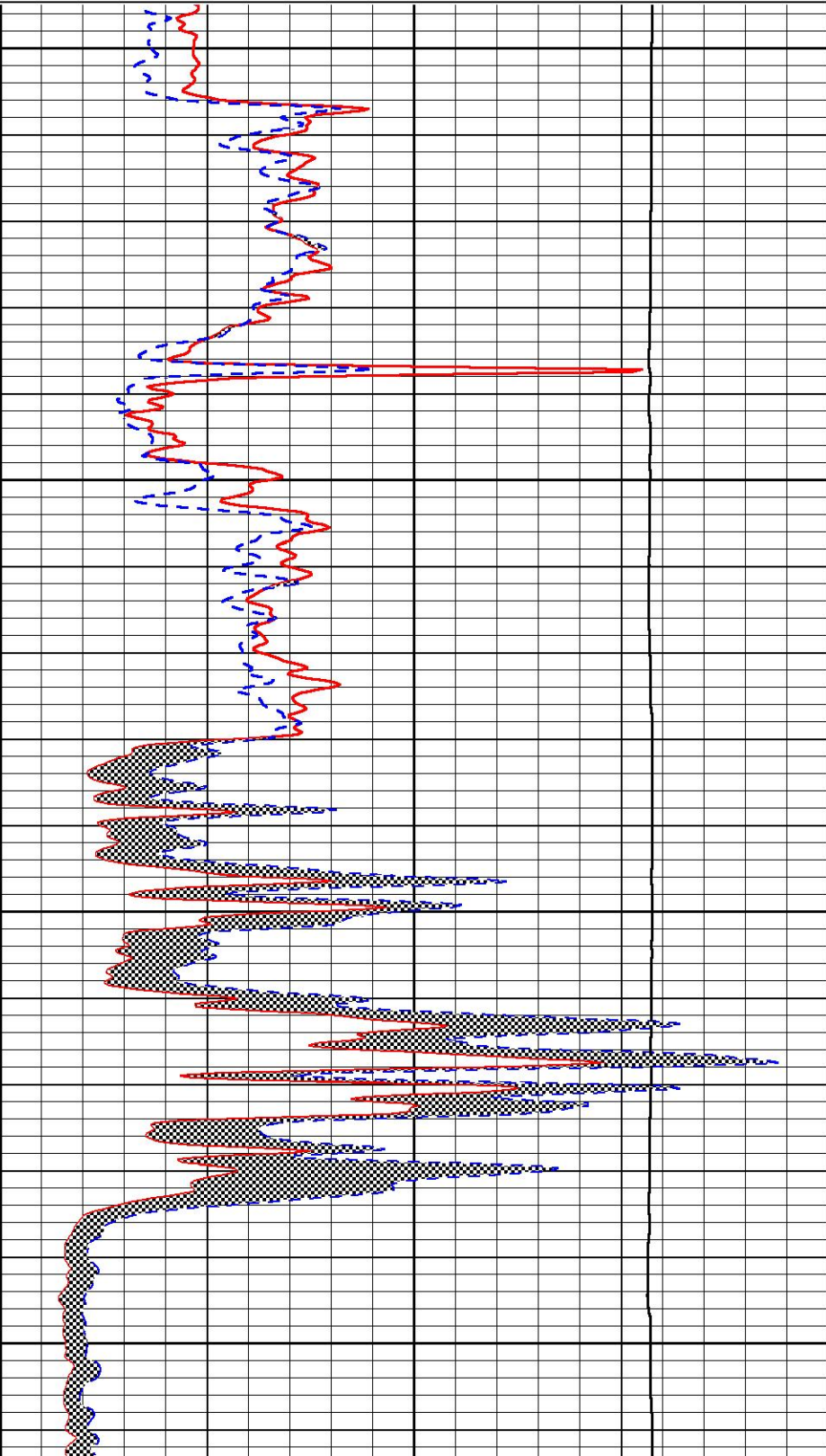


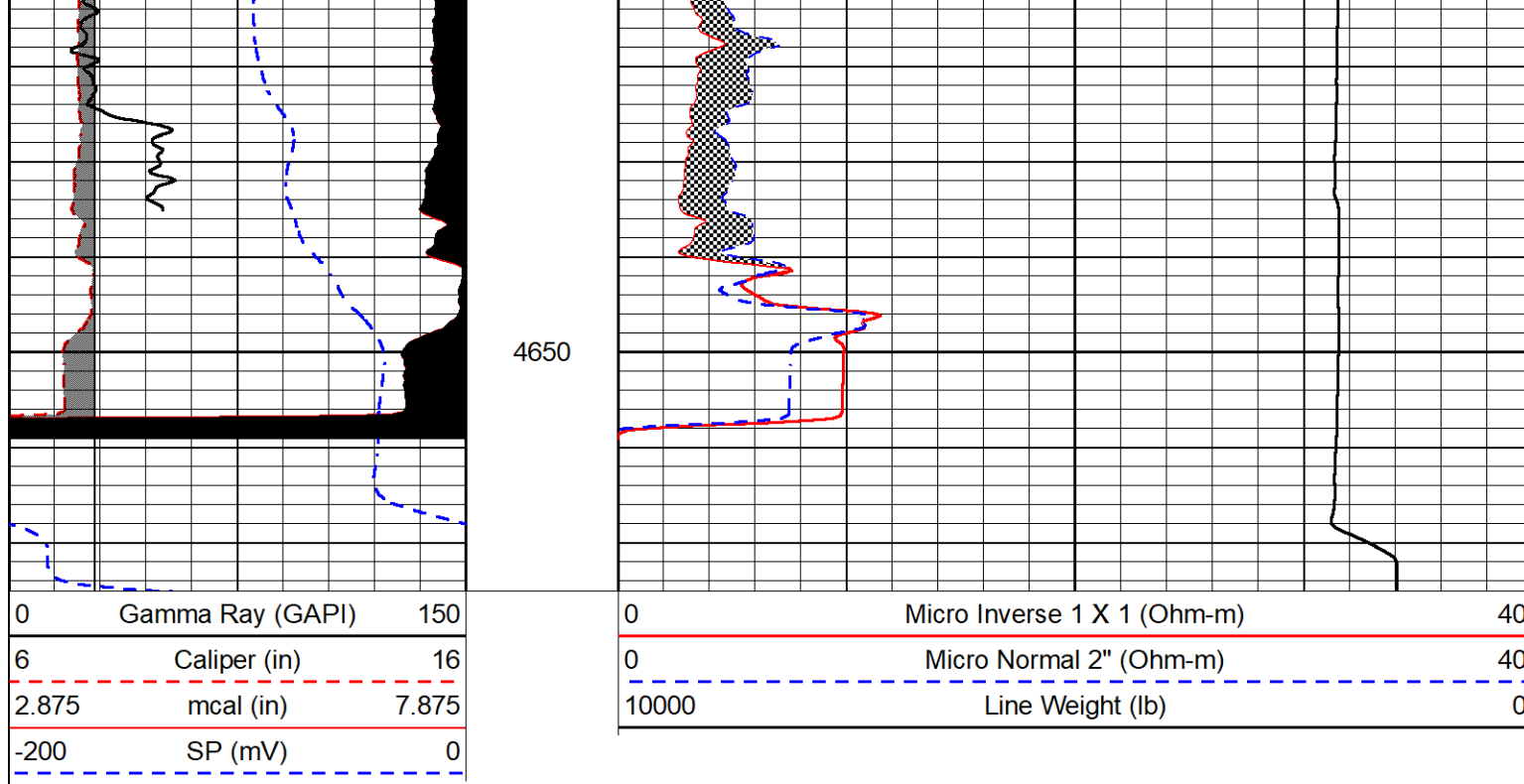
4450

4500

4550

4600





Calibration Report		
Database File	molitor_giefer 1.db	
Dataset Pathname	stkml/pass4.11	
Dataset Creation	Thu Jun 09 20:41:16 2022	

Dual Induction Calibration Report		
Serial-Model:	504 HT-M&W	
Surface Cal Performed:	Thu Dec 16 22:32:49 2021	

		Readings		References		Results	
Loop:		Air	Loop	Air	Loop	m	b
Deep		178.615	710.235	0.000	255.800 mmho/m	0.650	-16.000
Medium		161.982	1441.110	0.000	255.800 mmho/m	0.450	-45.500

Microlog Calibration Report		
Serial-Model:	401-PSI STKBL ML	
Performed:	Fri Jun 3 18:46:15 2022	

		Readings		References		Results	
		Zero	Cal	Zero	Cal	m	b
Normal		0.0037	0.0043	0.0000	10.0000 Ohm-m	19000.0000	-0.8000
Inverse		0.1208	0.0013	0.0000	10.0000 Ohm-m	17500.0000	0.0000
Caliper		1.0020	1.0834	5.5000	16.5000 in	135.1520	-131.4000

Compensated Density Calibration Report		
Serial-Model:	303-03-M&W	
Source #:	21170B	
Master Calibration Performed:	Thu Dec 16 23:28:34 2021	

Master Calibration

	Density			Far Detector	Near Detector	
Magnesium	1.755	g/cc		3841.78	5151.73	cps
Aluminum	2.670	g/cc		700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.515			
	Size			Reading		
Small Ring	4.00	in		1.17		
Large Ring	14.00	in		1.03		

Compensated Neutron Calibration Report

Serial-Model:	210-M&W
Source #:	N-1238
Master Calibration Performed:	Fri Dec 3 09:16:24 2021

Master Calibration

Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number:	103	
Tool Model:	M&W	
Performed:	Fri Dec 3 12:13:24 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	28.0	cps
Calibrator Reading:	986.0	cps
Sensitivity:	0.5700	GAPI/cps



Company	Molitor Oil, Inc.
Well	Giefer #1
Field	
County	Kingman
State	Kansas