



MICRORESISTIVITY LOG

MIDWEST WIRELINE

Company Carmen Schmitt, Inc.

Well Molly #1-22

Field

County Ford

State Kansas

Location: API #: 15-057-21076-00-00

1750 FSL & 450 FWL

SEC 22 TWP 28S RGE 26W

Permanent Datum Ground Level Elevation 2681
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL
K.B. 2689
D.F.
G.L. 2681

Date 10/10/2022

Run Number One

Depth Driller 5450

Depth Logger 5455

Bottom Logged Interval 5454

Top Log Interval 4100

Casing Driller 8.625 @ 1254

Casing Logger 1251

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5700

Density / Viscosity 9.05 46

pH / Fluid Loss 10.0 8.8

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 0.17 @ 131

Operating Rig Time 3 Hours

Max Rec. Temp. F 131

Equipment Number P-108

Location HAYS

Recorded By D. Schmidt

Witnessed By Brad Rine

<<< Fold Here >>>

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.

Dodge City,
South on Hwy 283 to Saddle Rd,
6 West, 4 South to Warrior Rd, 2 West, 1/4 North,
East into

Log Measured From: Kelly Bushing 8 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: Brad Rine
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\carmen schmitt_molly 1-22.db
Dataset field/well/stkml/pass3.11/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	131	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	1010	50	Off	5455

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



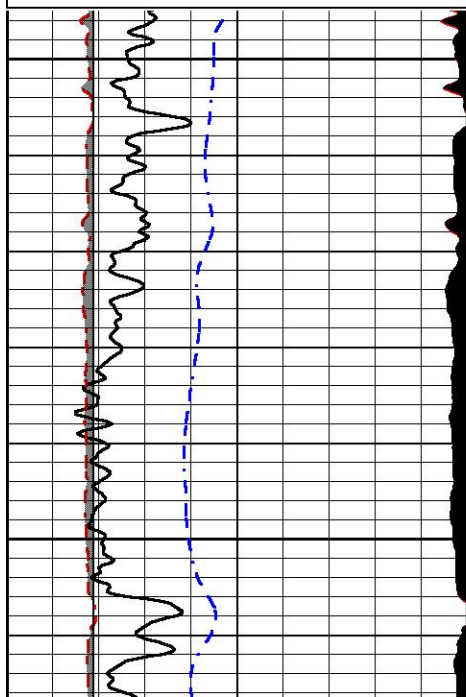
DETAIL SECTION

MAIN PASS

Database File carmen schmitt_molly 1-22.db
Dataset Pathname stkml/pass3.5
Presentation Format _micro
Dataset Creation Mon Oct 10 07:15:20 2022
Charted by Depth in Feet scaled 1:240

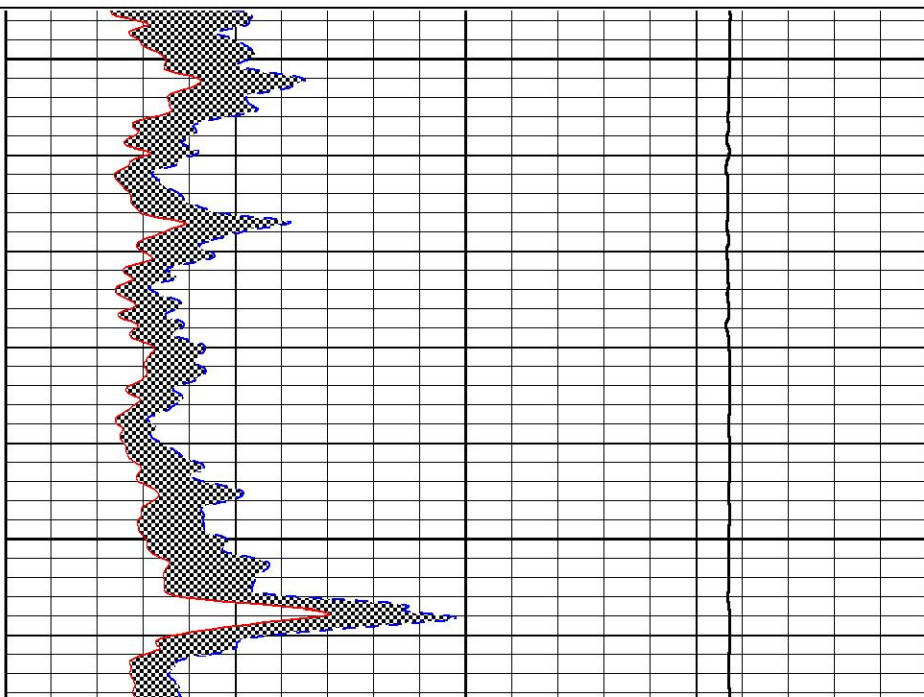
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	SP (mV)	0

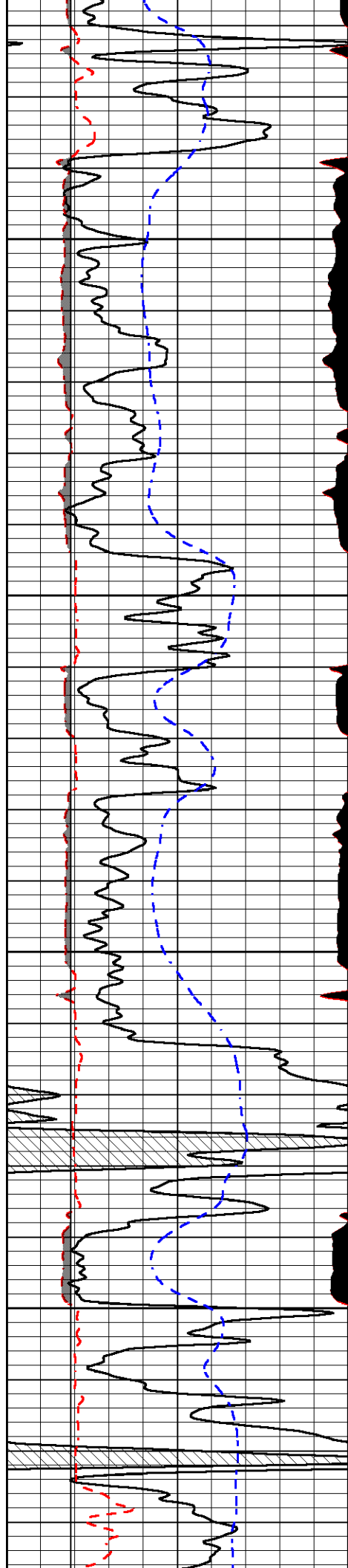
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



4100

4150



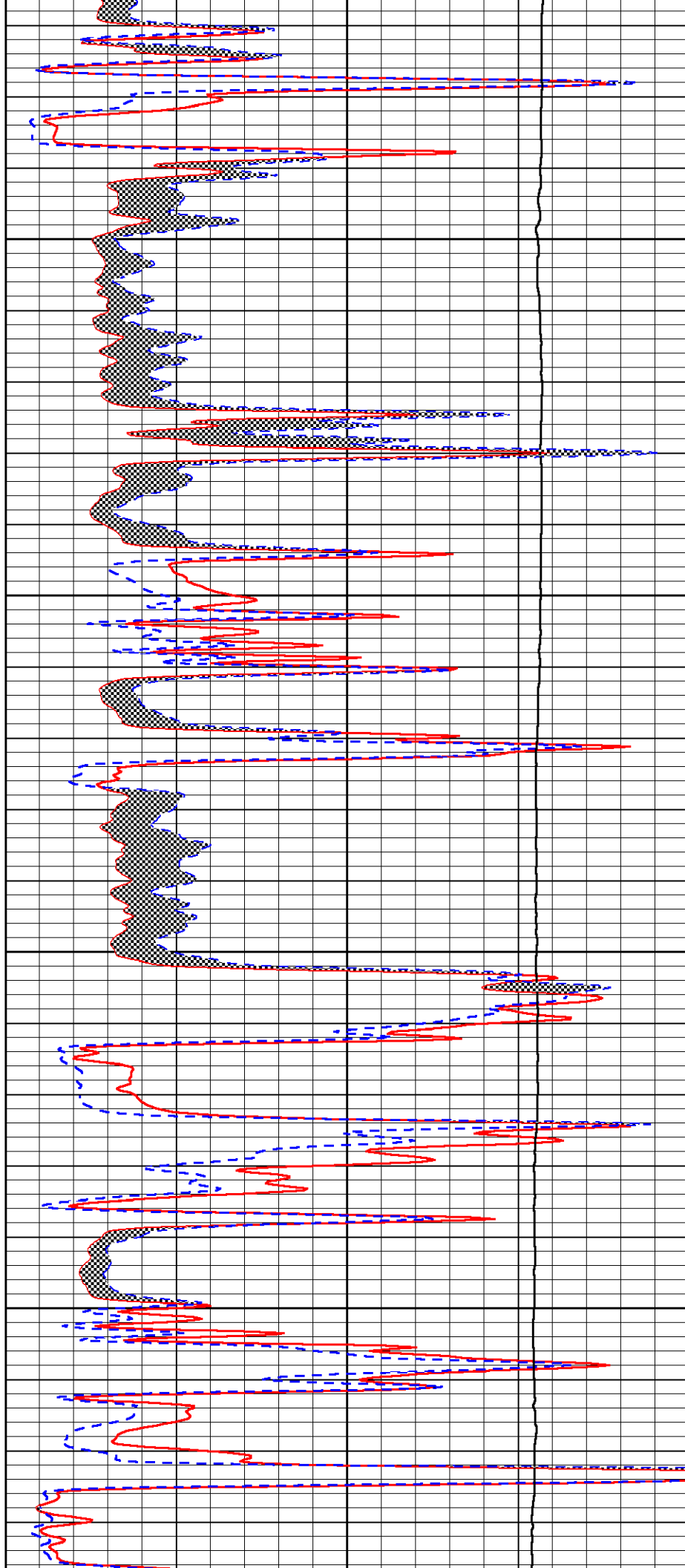


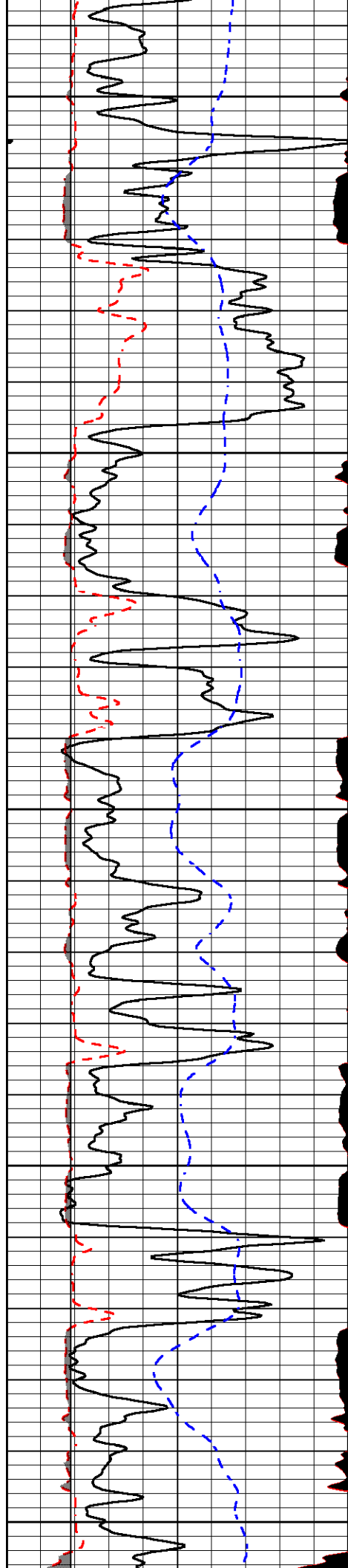
4200

4250

4300

4350





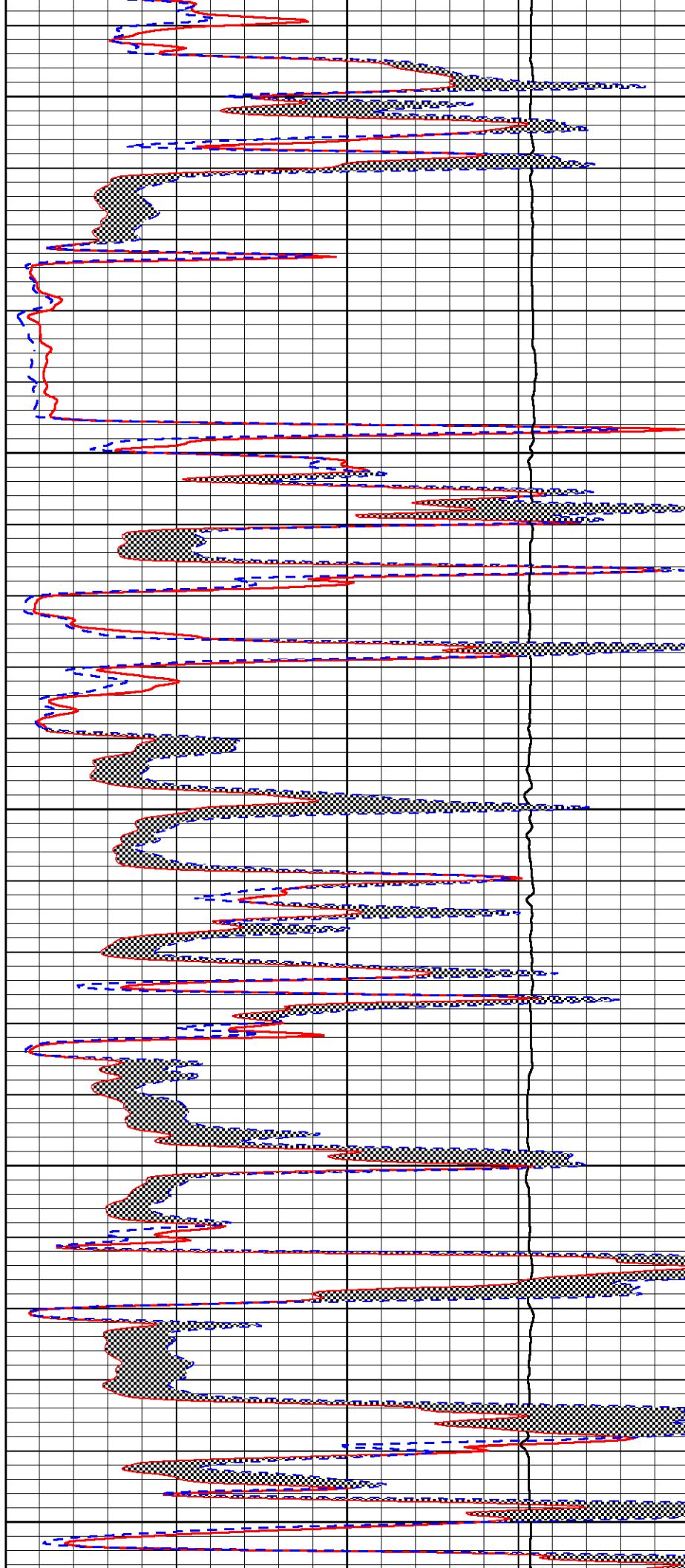
4400

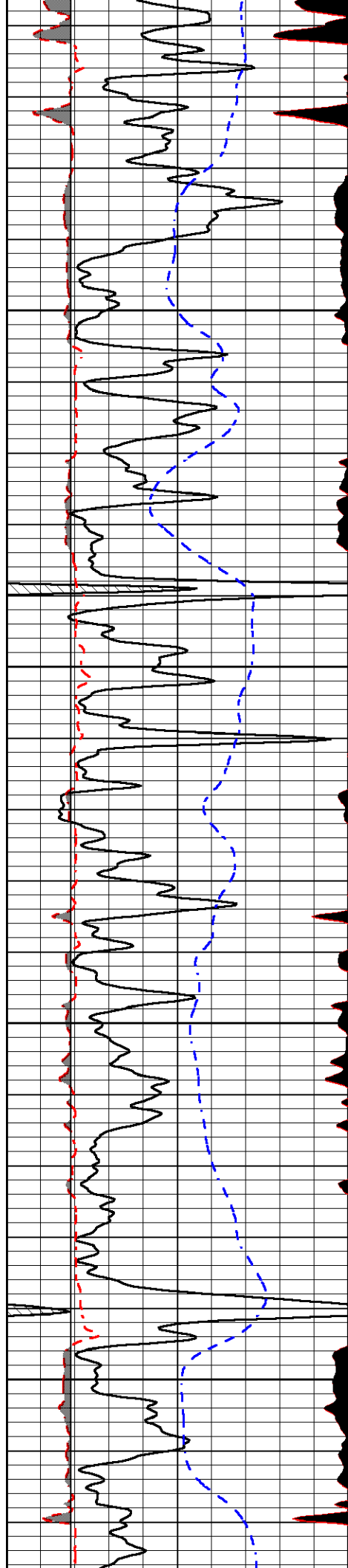
4450

4500

4550

4600



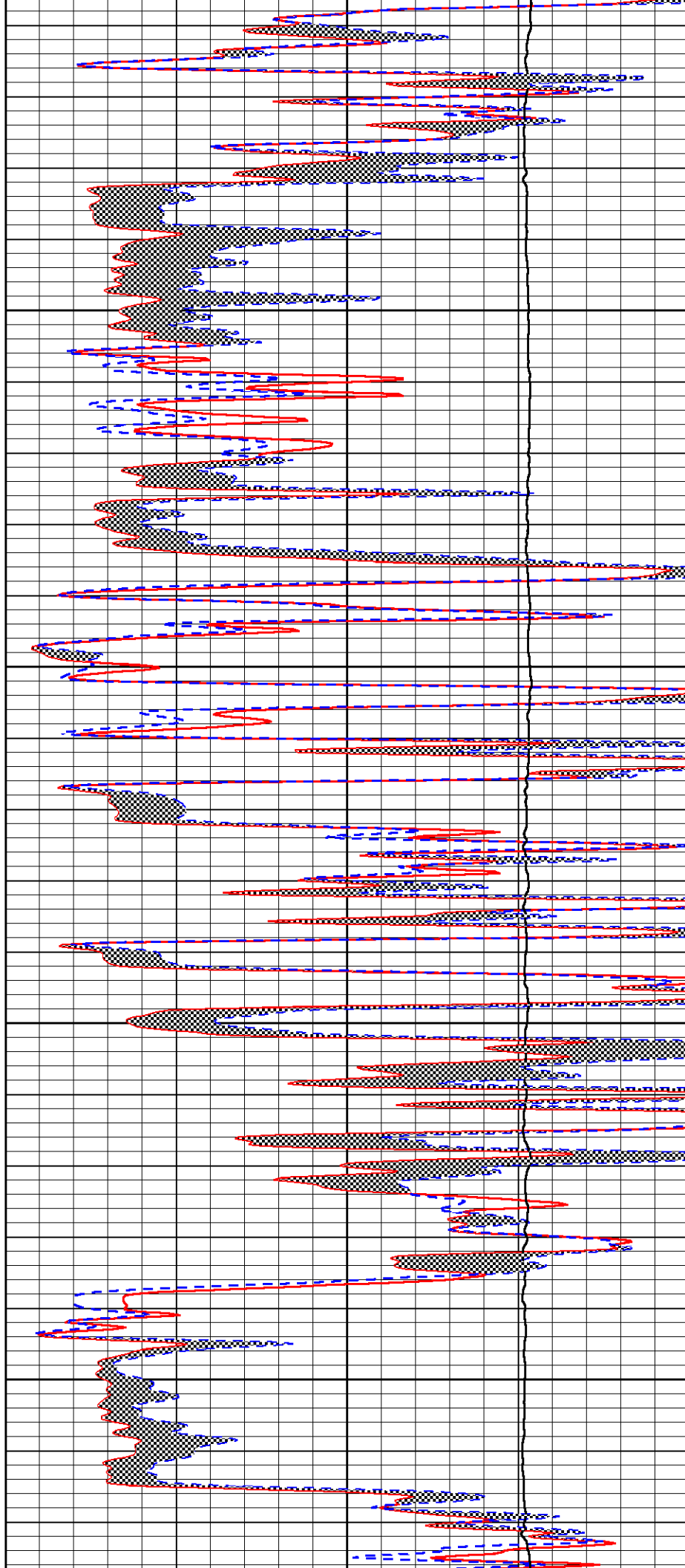


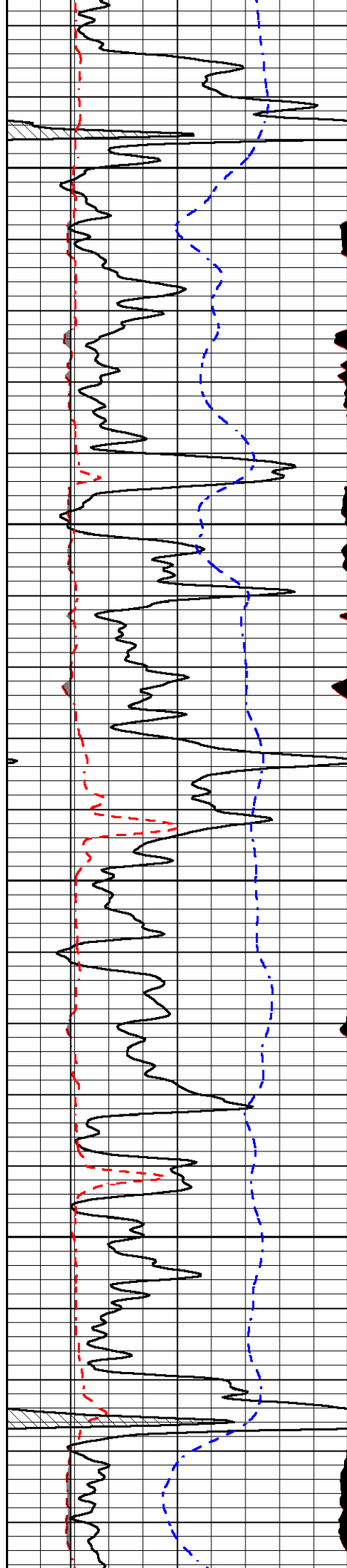
4650

4700

4750

4800



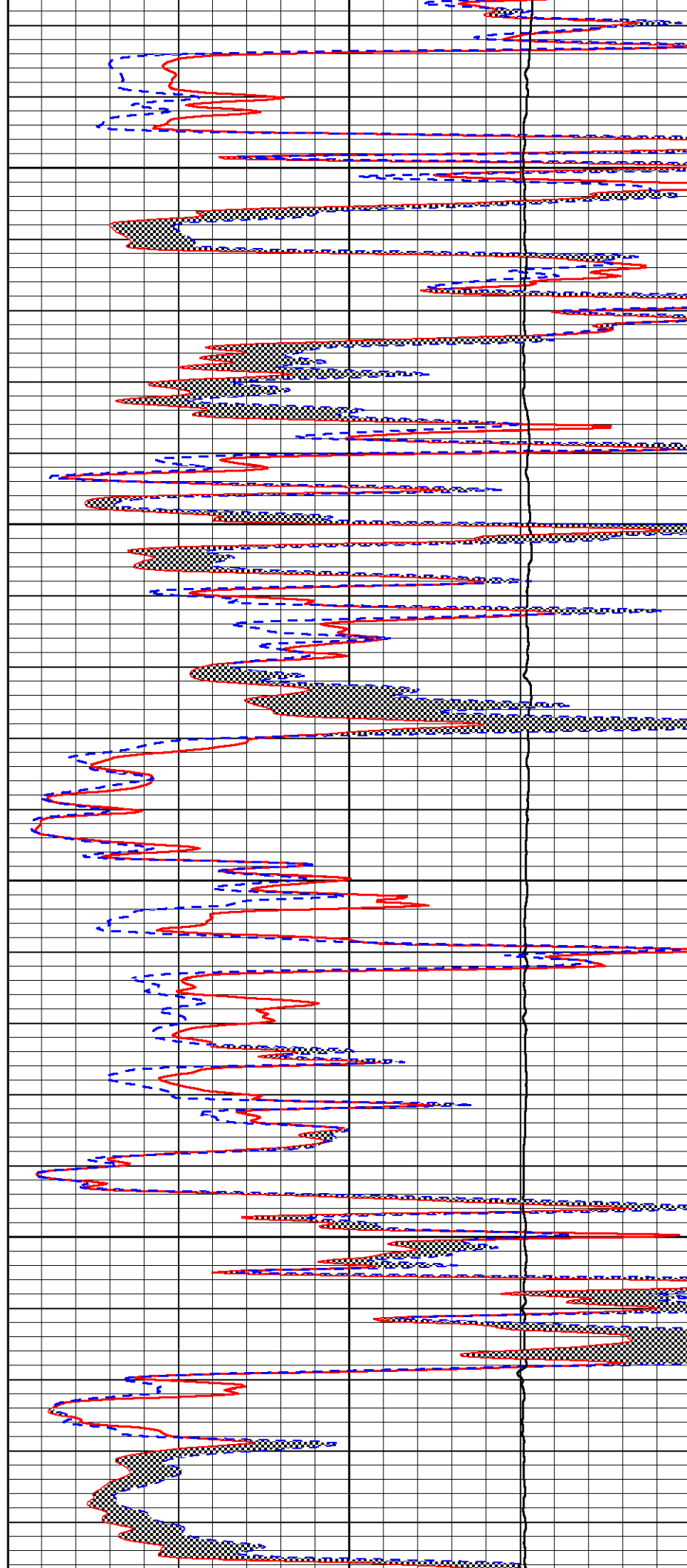


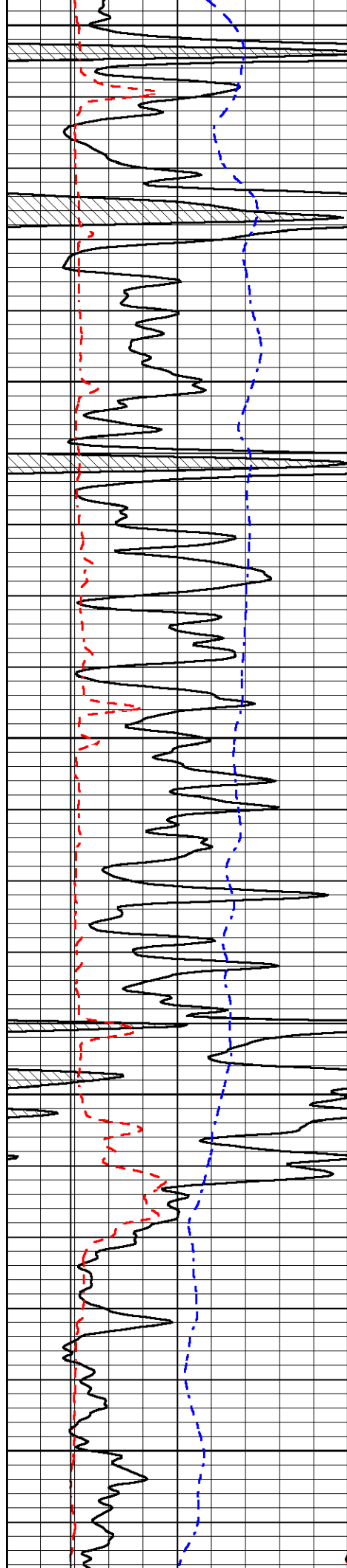
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4900

4950

5000





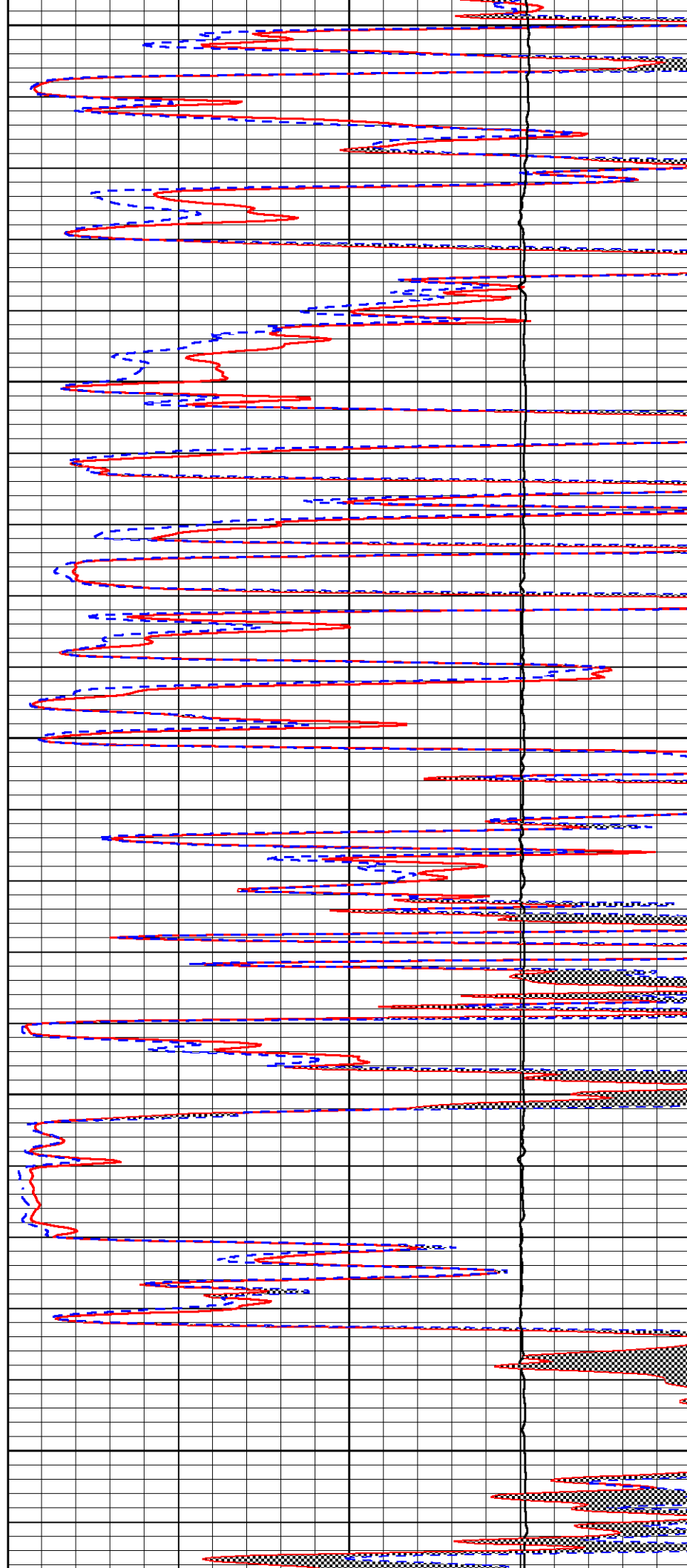
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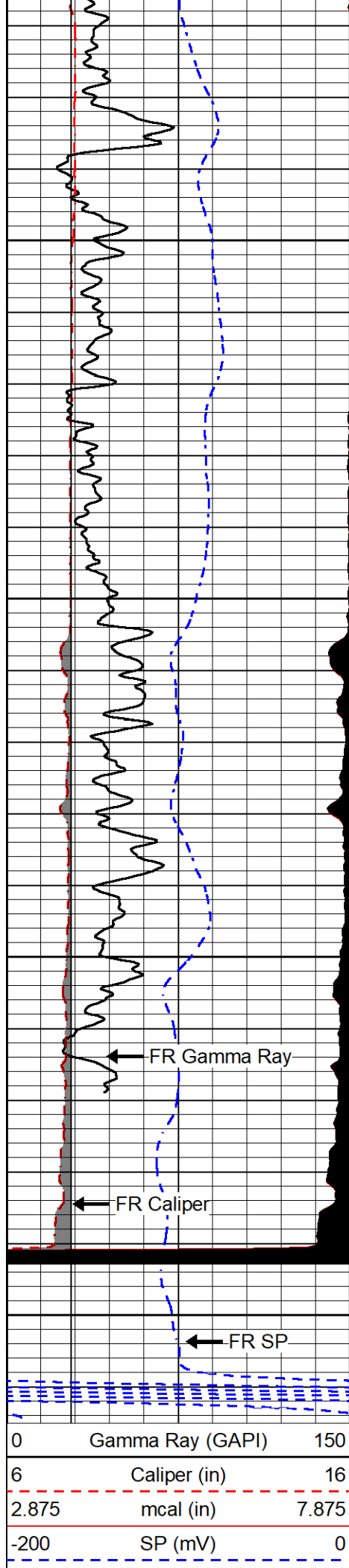
5100

5150

5200

5250



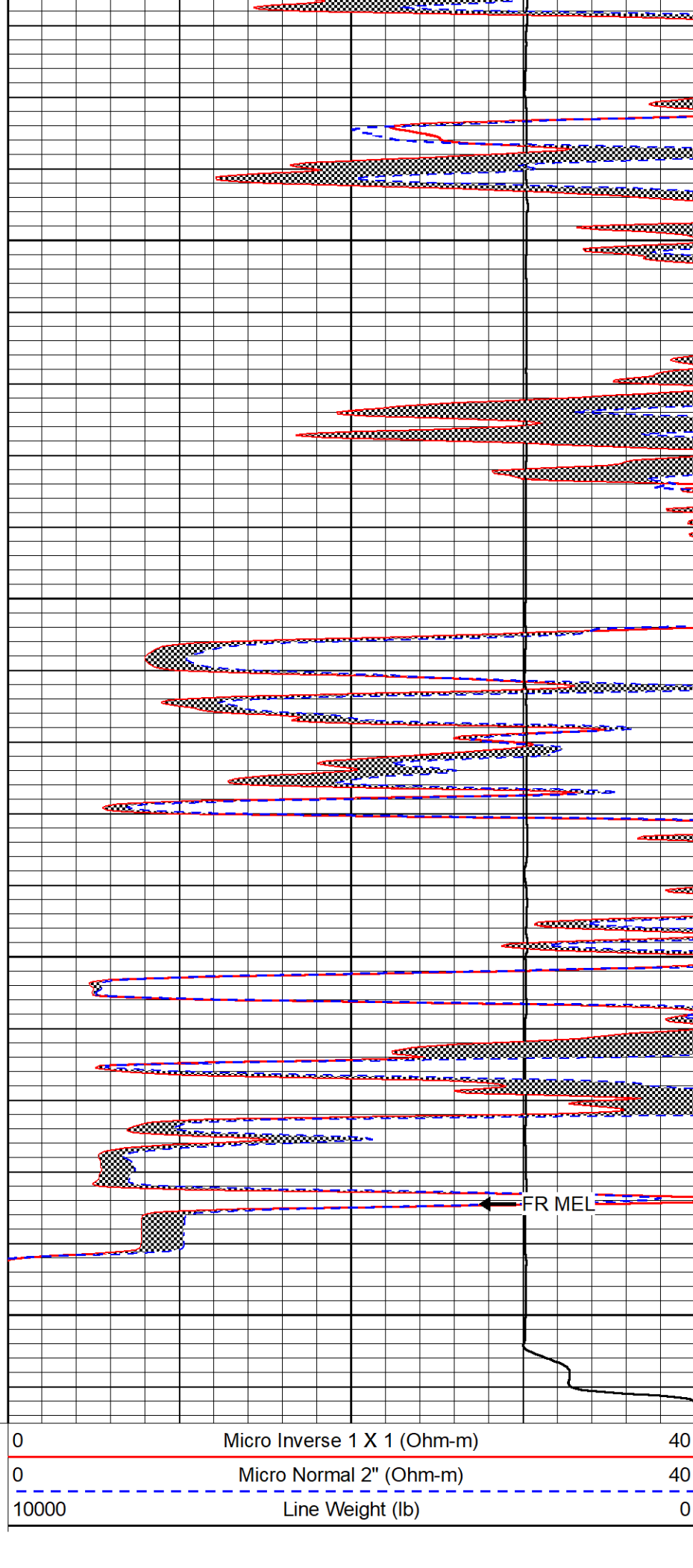


5300

5350

5400

5450





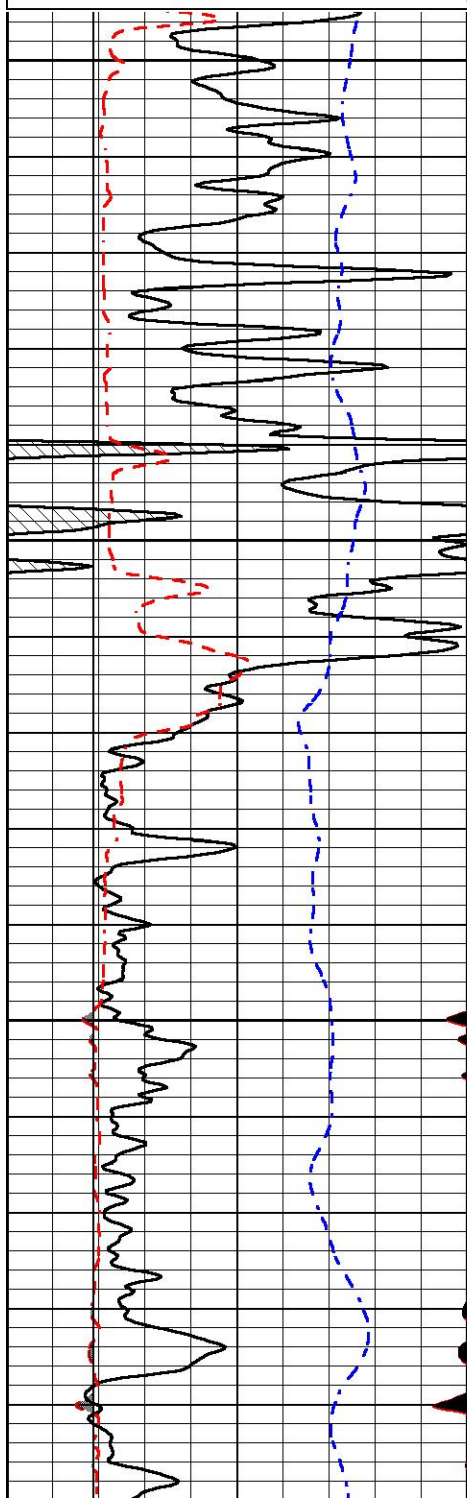
REPEAT SECTION

REPEAT PASS

Database File carmen schmitt_molly 1-22.db
Dataset Pathname stkml/pass2.12
Presentation Format _micro
Dataset Creation Mon Oct 10 06:29:16 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

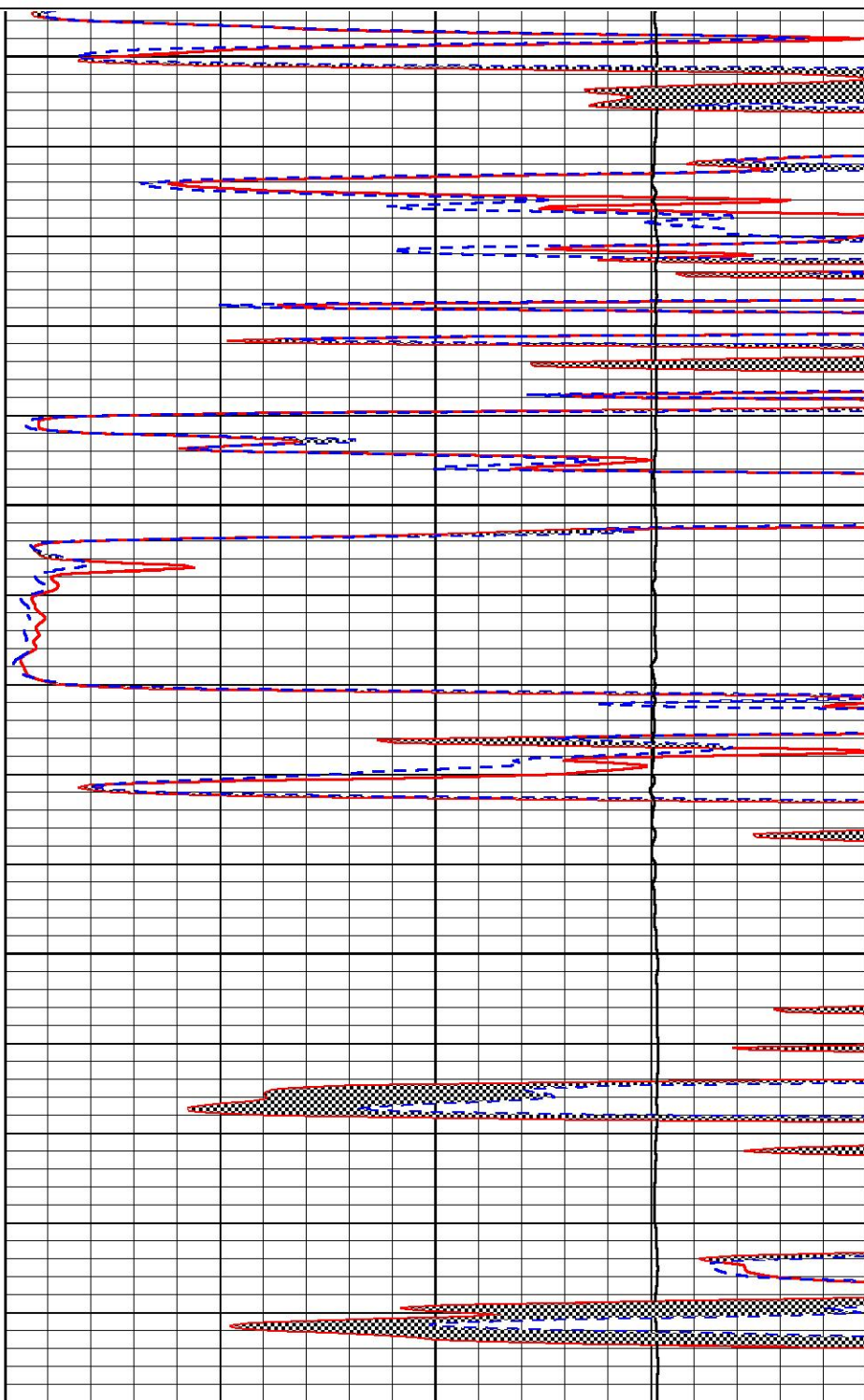


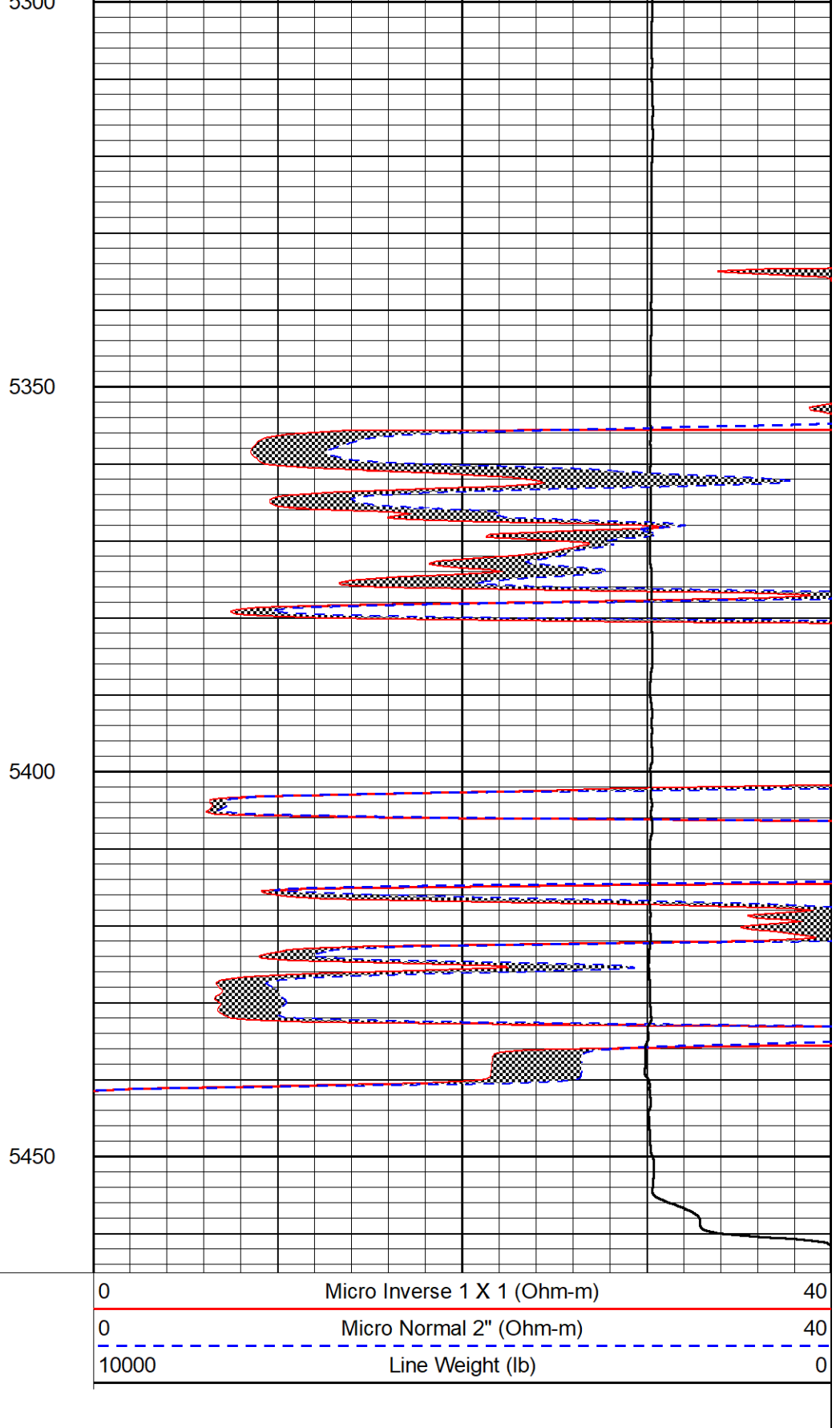
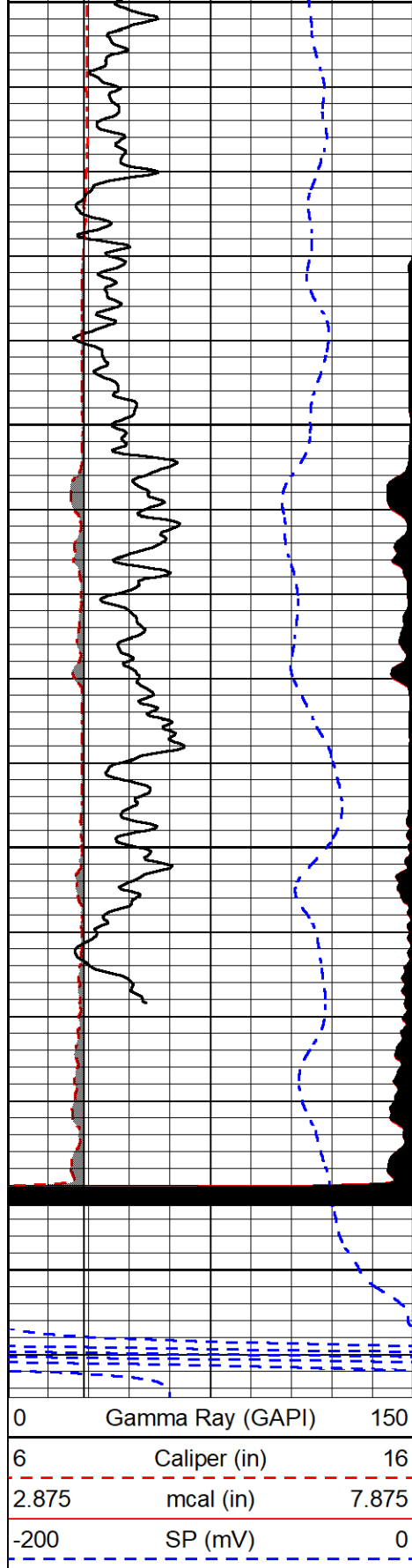
5150

5200

5250

5300





Calibration Report

Database File carmen schmitt_molly 1-22.db
 Dataset Pathname stkml/pass3.11
 Dataset Creation Mon Oct 10 06:58:15 2022

Dual Induction Calibration Report

Serial-Model:

504 HT-M&W

Confidence Level

Mon Aug 1 00:00:00 2022

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-18.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-46.000

Microlog Calibration Report

Serial-Model:
Performed:

401-PSI STKBL ML
Mon Aug 1 06:22:24 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	16000.0000	-1.0000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	16500.0000	-0.2000
Caliper	1.0049	1.0846	5.5000	20.0000	in	135.0000	-131.3200

Compensated Density Calibration Report

Serial-Model:
Source #:
Master Calibration Performed:

303-03-M&W
21170B
Thu Aug 11 05:43:18 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3841.78	5151.73	cps
Aluminum	2.650	g/cc	700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.503		
	Size		Reading		
Small Ring	4.00	in	1.17		
Large Ring	14.00	in	1.04		

Compensated Neutron Calibration Report

Serial-Model:
Source #:
Master Calibration Performed:

210-M&W
N-1238
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	Carmen Schmitt, Inc.
Well	Molly #1-22
Field	
County	Ford
State	Kansas