

MIDWEST WIRELINE

MICRORESISTIVITY LOG

Company American Warrior, Inc.	
Well	Dible #1-28
Field	
County	Thomas
State	Kansas
Company American Warrior, Inc.	
Well	Dible #1-28
Field	
County	Thomas
State	Kansas
Location:	API #: 15-193-21128-00-00
1218 FSL & 360 FEL	
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
SEC 28 TWP 6S RGE 31W	
Elevation 2950	
CNL/CDL DIL/BHCS	
Other Services	
K.B. 2963 D.F. G.L. 2950	
Date	5/27/2024
Run Number	One
Depth Driller	4583
Depth Logger	4585
Bottom Logged Interval	4584
Top Log Interval	3650
Casing Driller	8.625 @ 355
Casing Logger	355
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	500
Density / Viscosity	9.3 53
pH / Fluid Loss	11.0 5.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.85 @ 80
Rmt @ Meas. Temp	0.64 @ 85
Rmc @ Meas. Temp	1.15 @ 80
Source of Rmt / Rmc	CHARTS
Rm @ BHT	0.56 @ 122
Operating Rig Time	5 Hours
Max Rec. Temp. F	122
Equipment Number	110
Location	HAYS
Recorded By	D. Schmidt
Witnessed By	Marc Downing

<<< 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.

Rexford,
North to Y Rd,
2 West to 34, 1 1/4 North,
West into

Log Measured From: Kelly Bushing

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: Marc Downing
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\american warrior_dible 1-28.db
Dataset field/well/stkml/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	122	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	421	80		4585

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



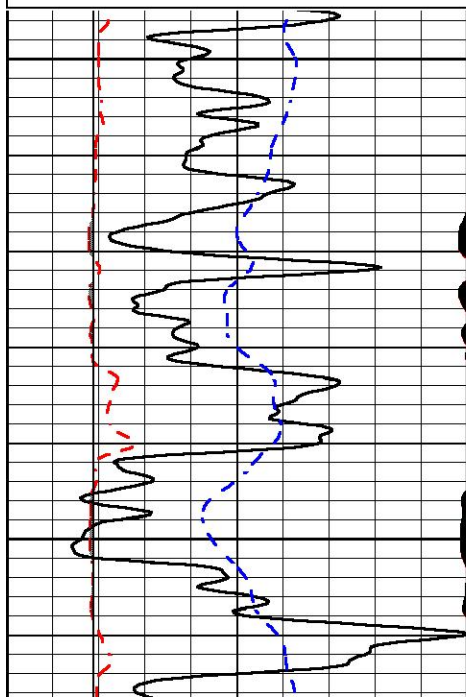
DETAIL SECTION

MAIN PASS

Database File american warrior_dible 1-28.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Mon May 27 22:05:59 2024
Charted by Depth in Feet scaled 1:240

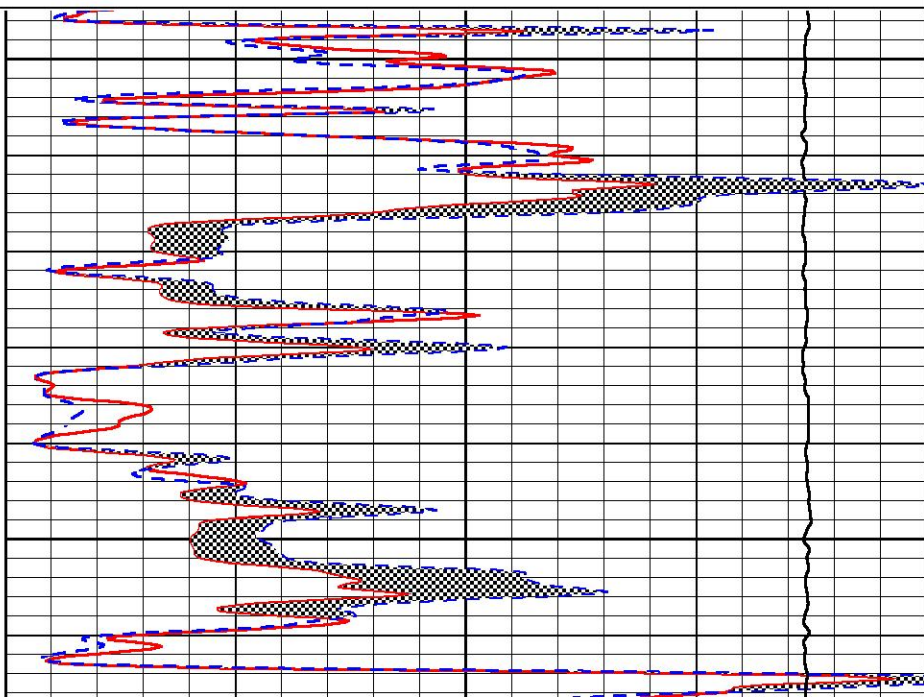
0	Gamma Ray (GAPI)	150
6	Micro Caliper (in)	16
2.875	mcal (in)	7.875
-200	SP (mV)	0

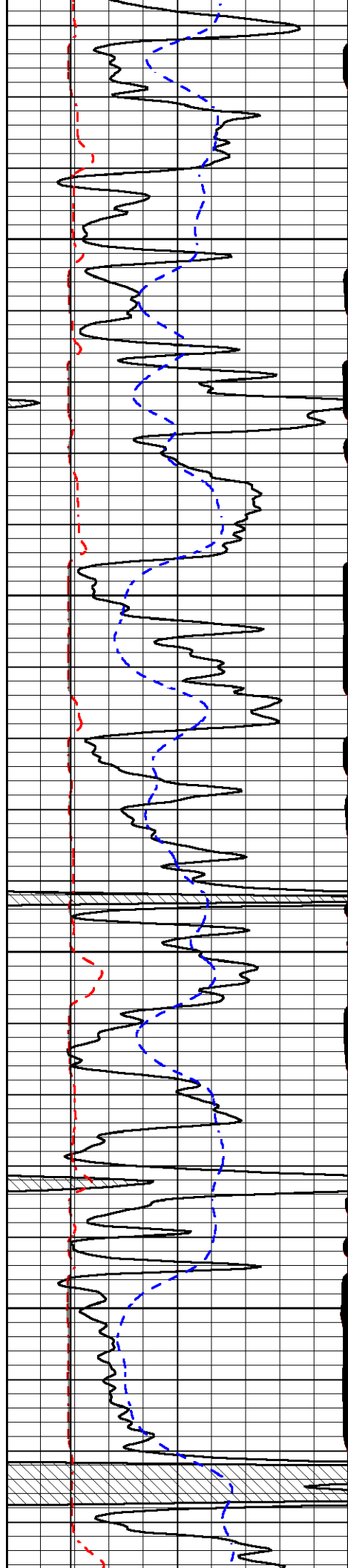
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



3650

3700



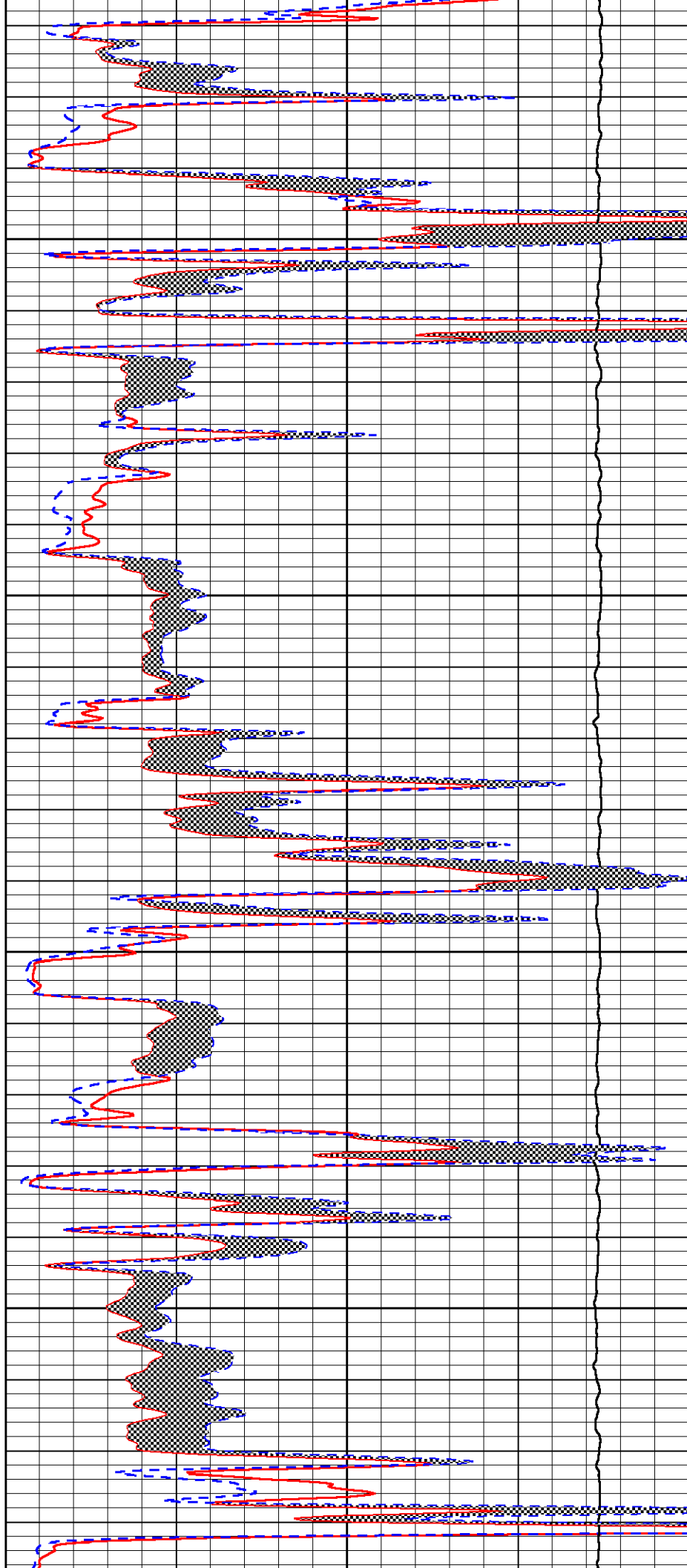


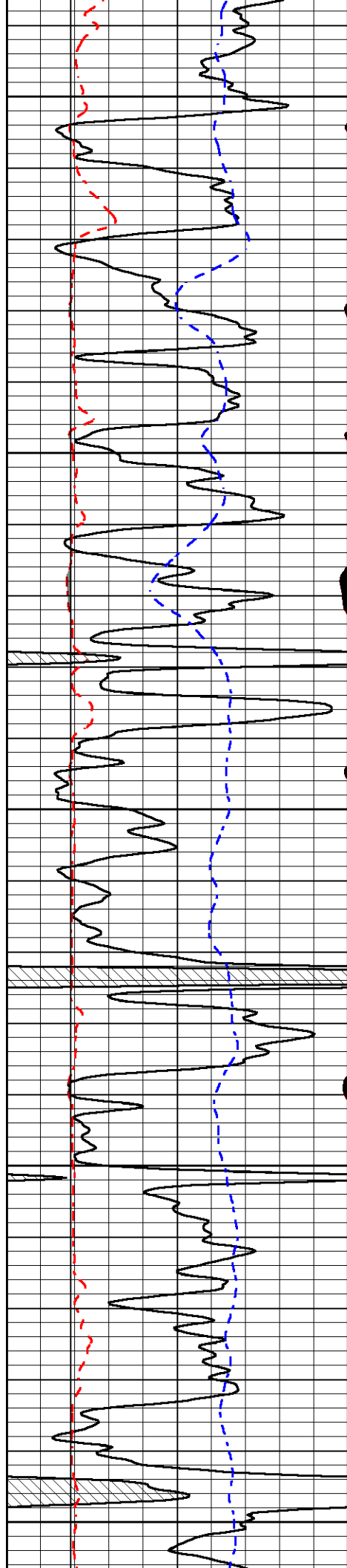
3750

3800

3850

3900





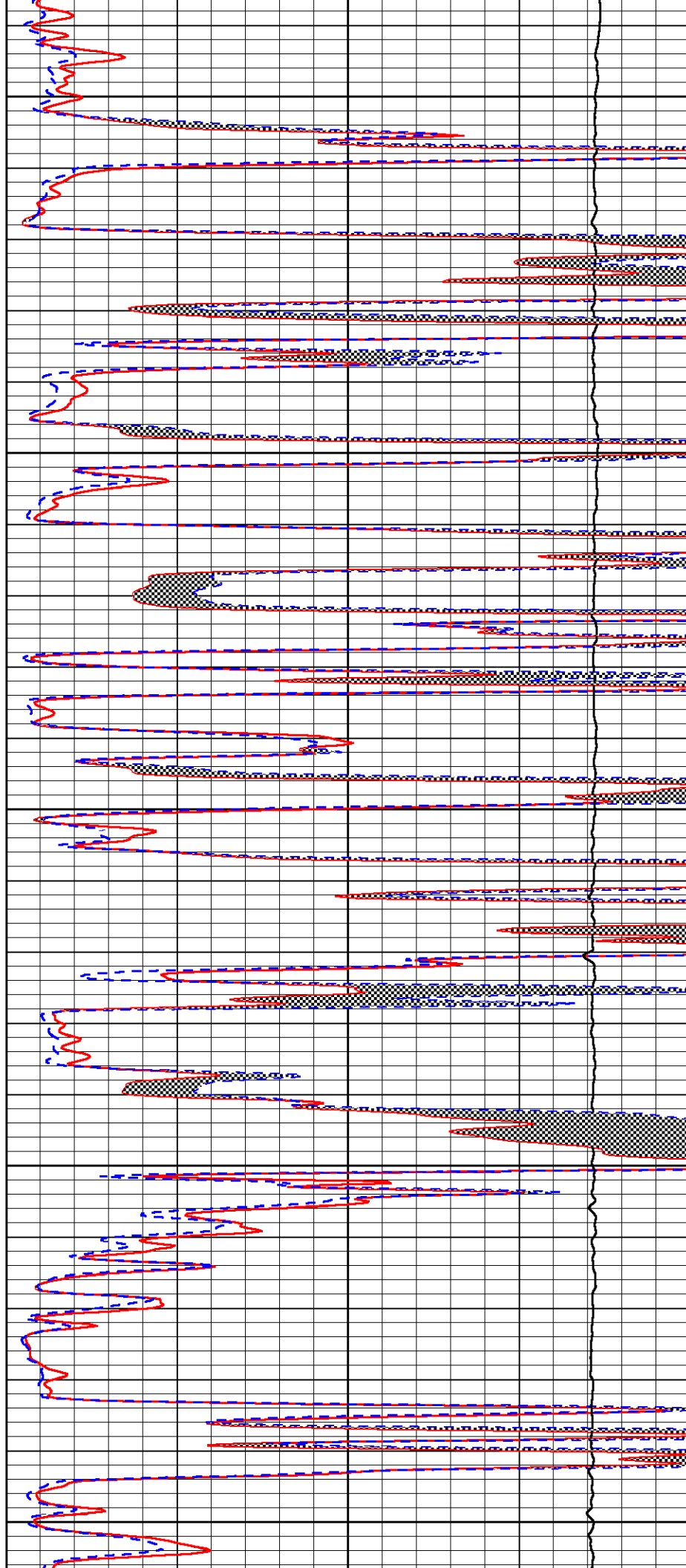
3950

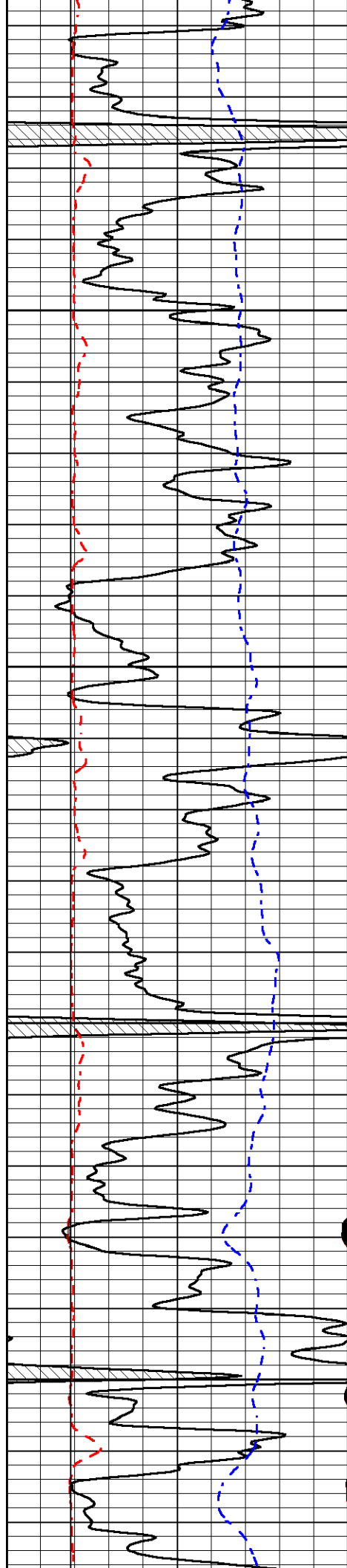
4000

4050

4100

4150



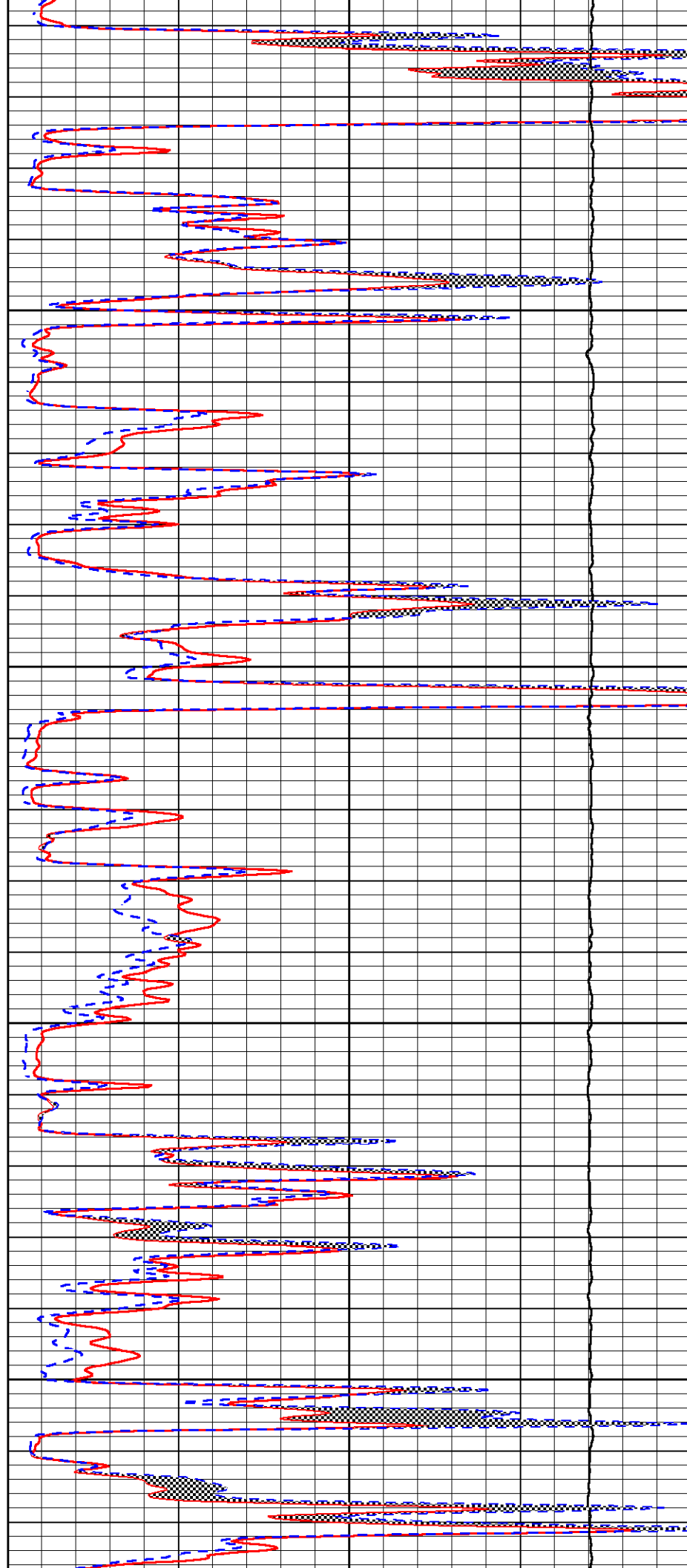


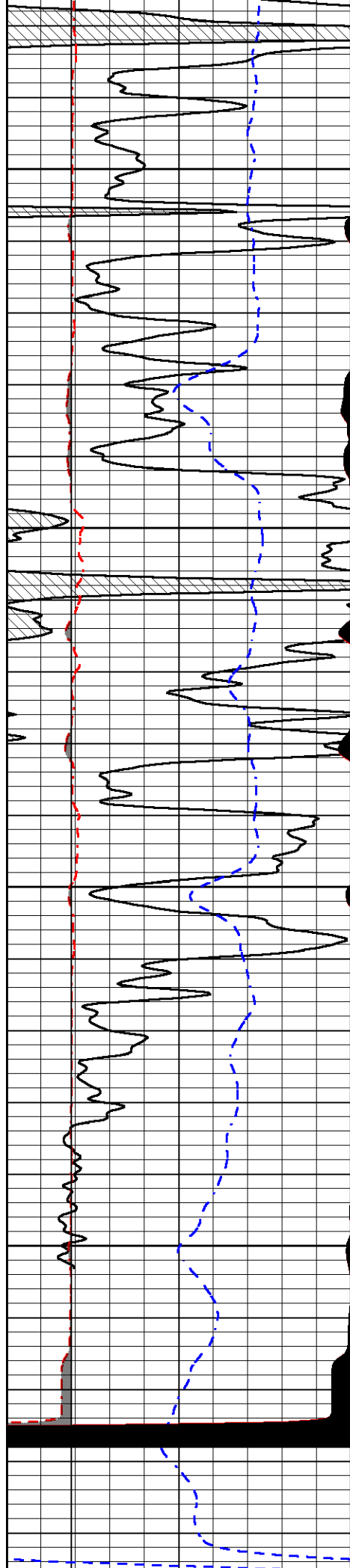
4200

4250

4300

4350



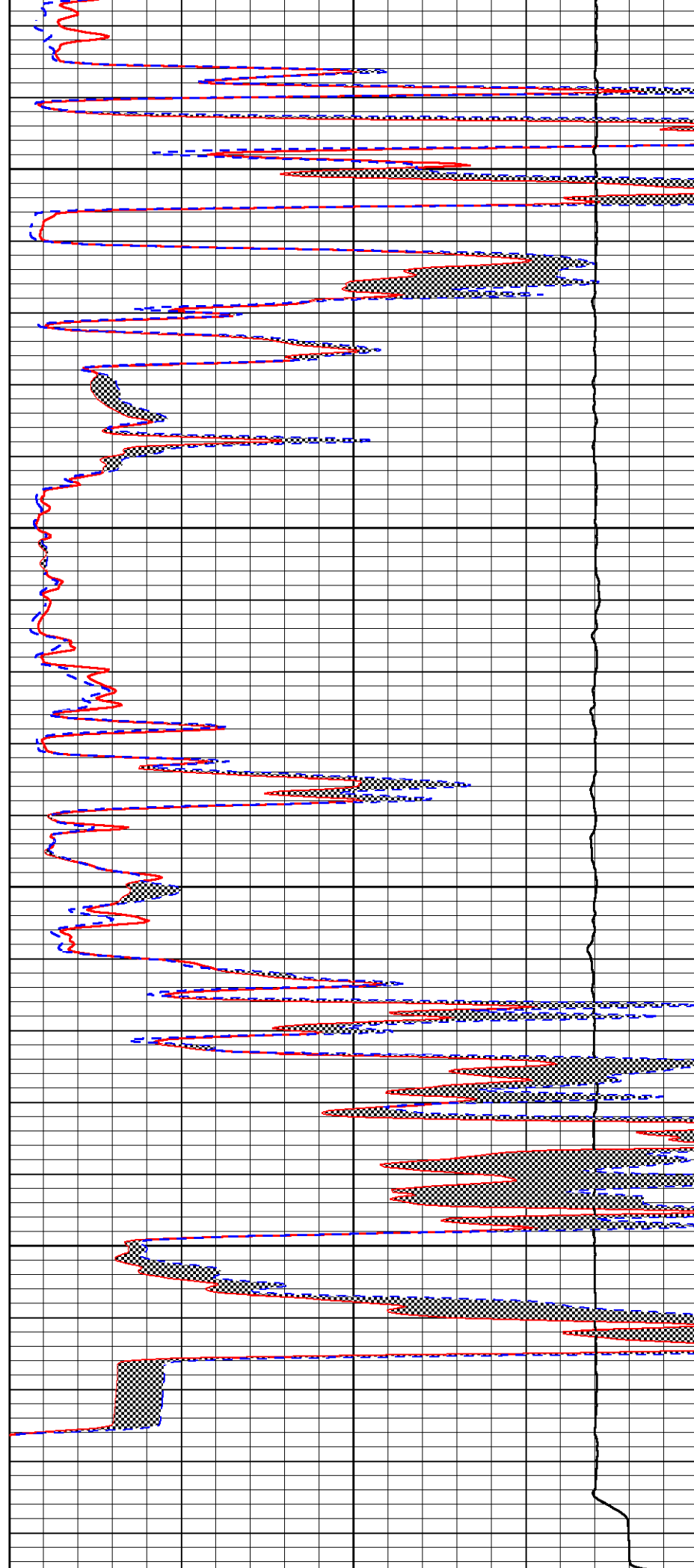


4400

4450

4500

4550



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

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



MIDWEST WIRELINE

REPEAT SECTION

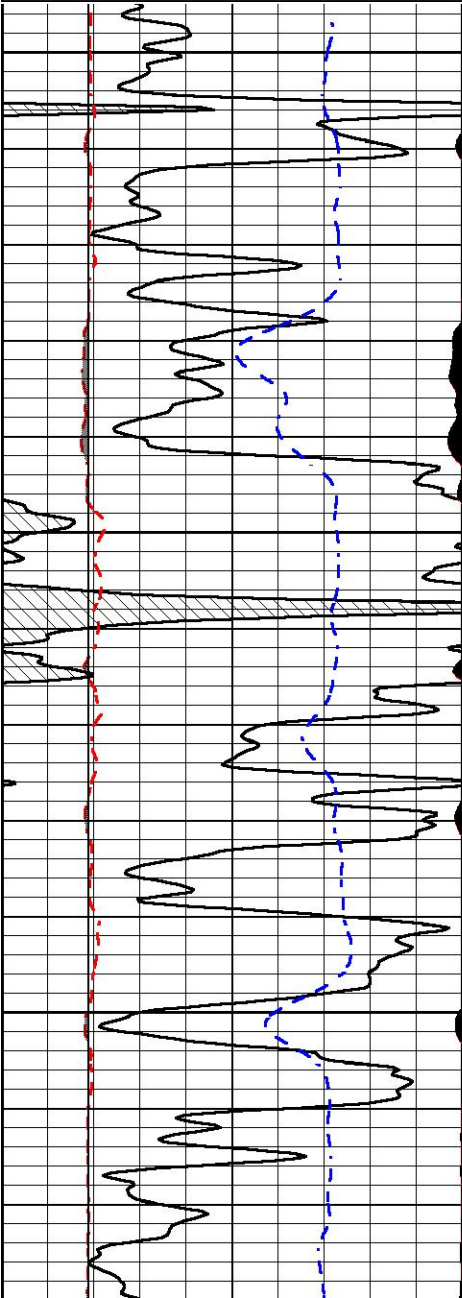
REPEAT PASS

Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

american warrior_dible 1-28.db
stkml/pass2.1
_micro
Mon May 27 19:58:38 2024
Depth in Feet scaled 1:240

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

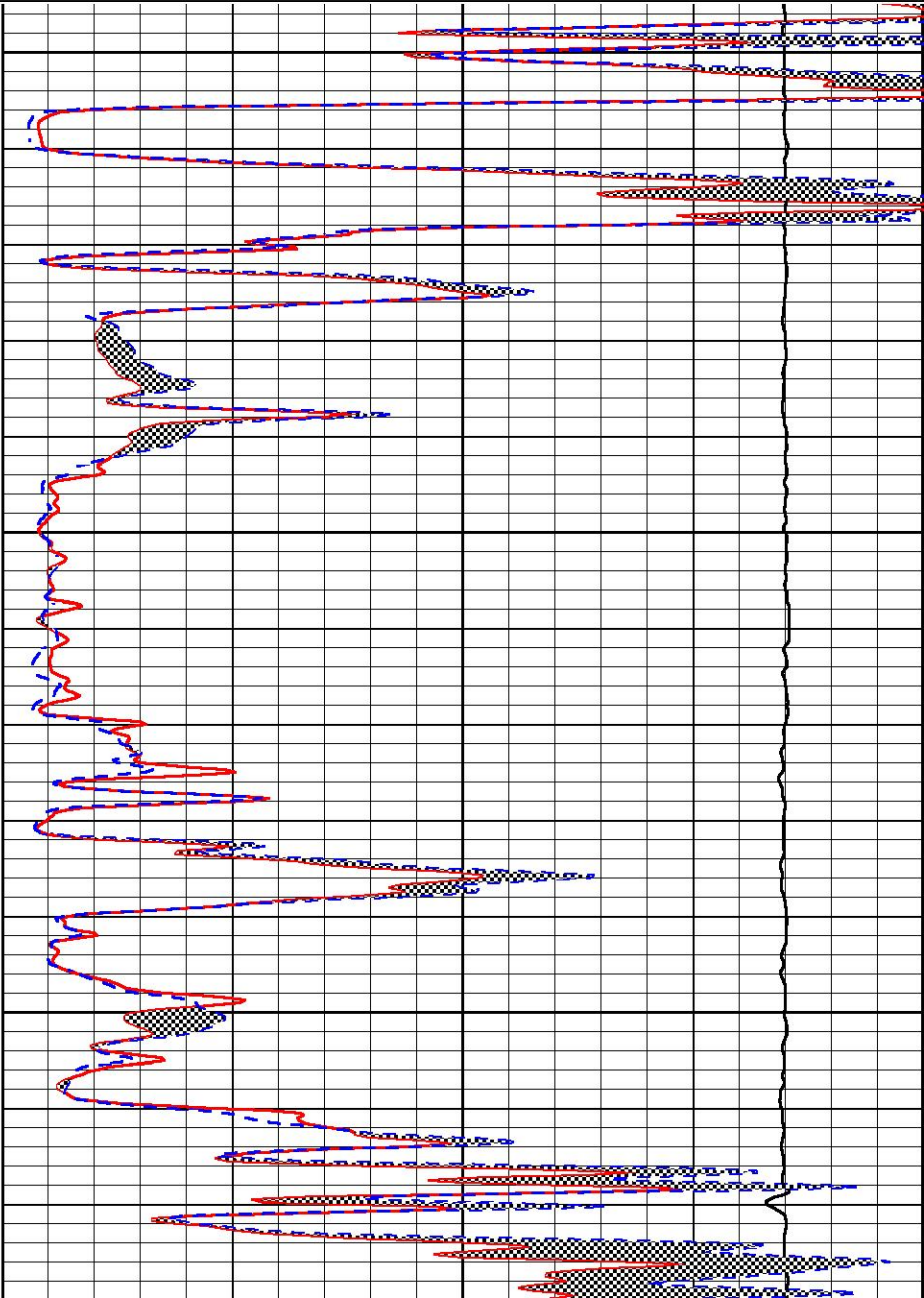
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

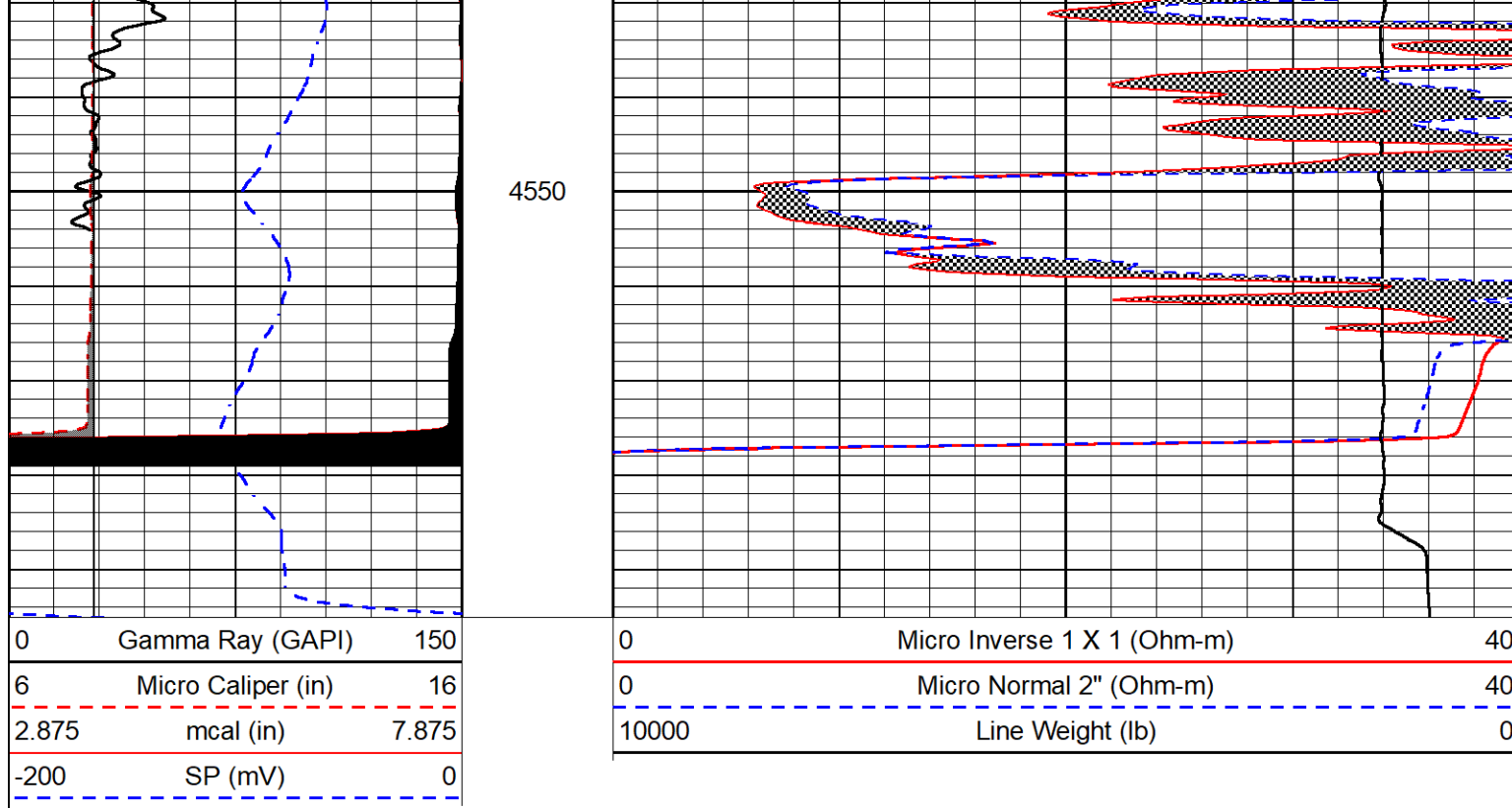


4400

4450

4500





Calibration Report

Database File american_warrior_dible 1-28.db
Dataset Pathname stkml/pass3.1
Dataset Creation Mon May 27 22:05:59 2024

Dual Induction Calibration Report

Serial-Model: 504 HT-M&W
Surface Cal Performed: Mon May 27 19:30:10 2024

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	1.350	-12.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.950	-43.500

Microlog Calibration Report

Serial-Model: 402-PSI STKBL ML
Performed: Tue Feb 27 01:52:43 2024

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	15500.0000	-0.7000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	21500.0000	-0.6000
Caliper	1.0046	1.1419	5.5000	20.0000	in	50.0000	-44.6000

Compensated Density Calibration Report

Serial-Model: 303-03-M&W
Source #: 21170B
Master Calibration Performed: Fri Mar 22 13:26:25 2024

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.680	g/cc	5466.68	7555.42	cps
Aluminum	2.580	g/cc	1173.67	5050.86	cps
Spine Angle = 75.33			Density/Spine Ratio = 0.566		
	Size		Reading		
Small Ring	4.00	in	1.17		
Large Ring	14.00	in	1.07		

Compensated Neutron Calibration Report

Serial Number: 210
Tool Model: M&W

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: 105
Tool Model: M&W
Performed: Sat Oct 21 23:48:19 2023

Calibrator Value: 500.0 GAPI

Background Reading: 24.0 cps
Calibrator Reading: 637.0 cps

Sensitivity: 0.6000 GAPI/cps



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Well Dible #1-28
Field
County Thomas
State Kansas