



MICRORESISTIVITY

MIDWEST WIRELINE

Company Berexco LLC		Company Berexco LLC	
Well Herman #1-13		Well Herman #1-13	
Field		Field	
County Gove		County Gove	
State Kansas		State Kansas	
Location: API #: 15-063-22446-00-00		Other Services	
SE NE SW NE 3530 FSL & 1535 FEL SEC 13 TWP 15S RGE 30W		CNL/CDL DIL/BHCS	
Permanent Datum	Ground Level	Elevation	2517
Log Measured From	Kelly Bushing	K.B.	2527
Drilling Measured From	Kelly Bushing	D.F.	2517
		G.L.	2517
Date	8/3/2024		
Run Number	Two		
Depth Driller	4310		
Depth Logger	4310		
Bottom Logged Interval	4309		
Top Log Interval	3300		
Casing Driller	8.625 @ 393		
Casing Logger	393		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2200		
Density / Viscosity	9.0 56		
pH / Fluid Loss	11.0 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.85 @ 76		
Rmt @ Meas. Temp	0.64 @ 76		
Rmc @ Meas. Temp	1.15 @ 76		
Source of Rmt / Rmc	Charts		
Rm @ BHT	0.54 @ 119		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	119		
Equipment Number	P-24		
Location	Hays		
Recorded By	T. Martin		
Witnessed By	Chad Counts		

<<< 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.

Gove City, S to I Rd, 6 W to Rd 32,
5 S, 1 E, S into

Log Measured From: Kelly Bushing

10 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Chad Counts
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\berexco_herman #1-13.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 119	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0	SNDERRM mmho/m -8	SPSHIFT mV 350	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 4310		

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
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



MIDWEST WIRELINE

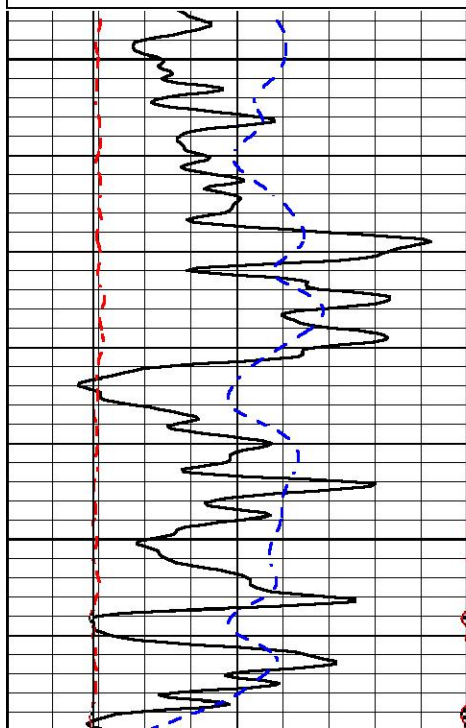
DETAIL SECTION

MAIN PASS

Database File berexco_herman #1-13.db
Dataset Pathname Stack/pass3.1
Presentation Format _micro
Dataset Creation Sat Aug 03 23:56:41 2024
Charted by Depth in Feet scaled 1:240

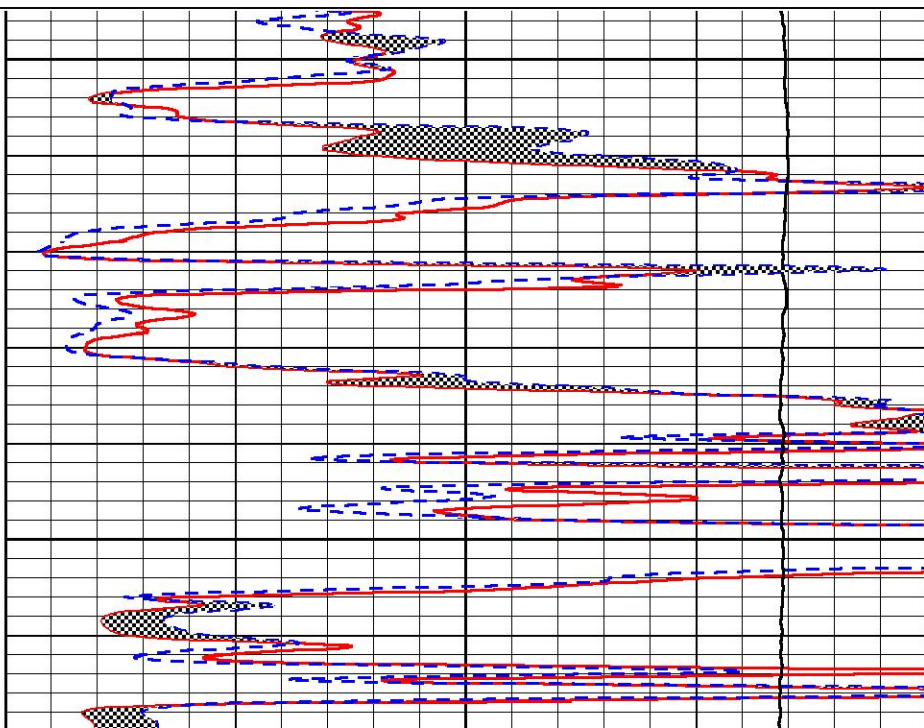
0	GR (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

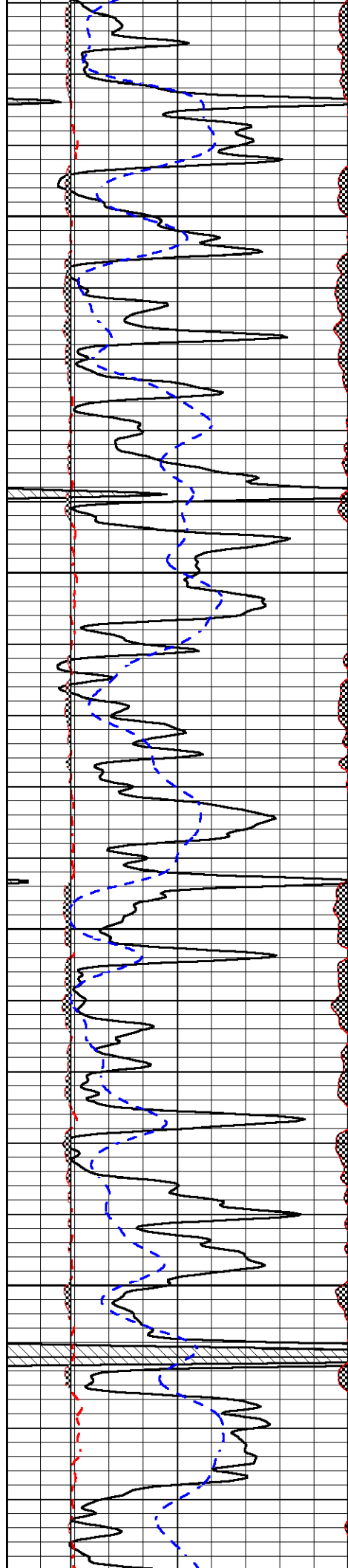
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



3300

3350



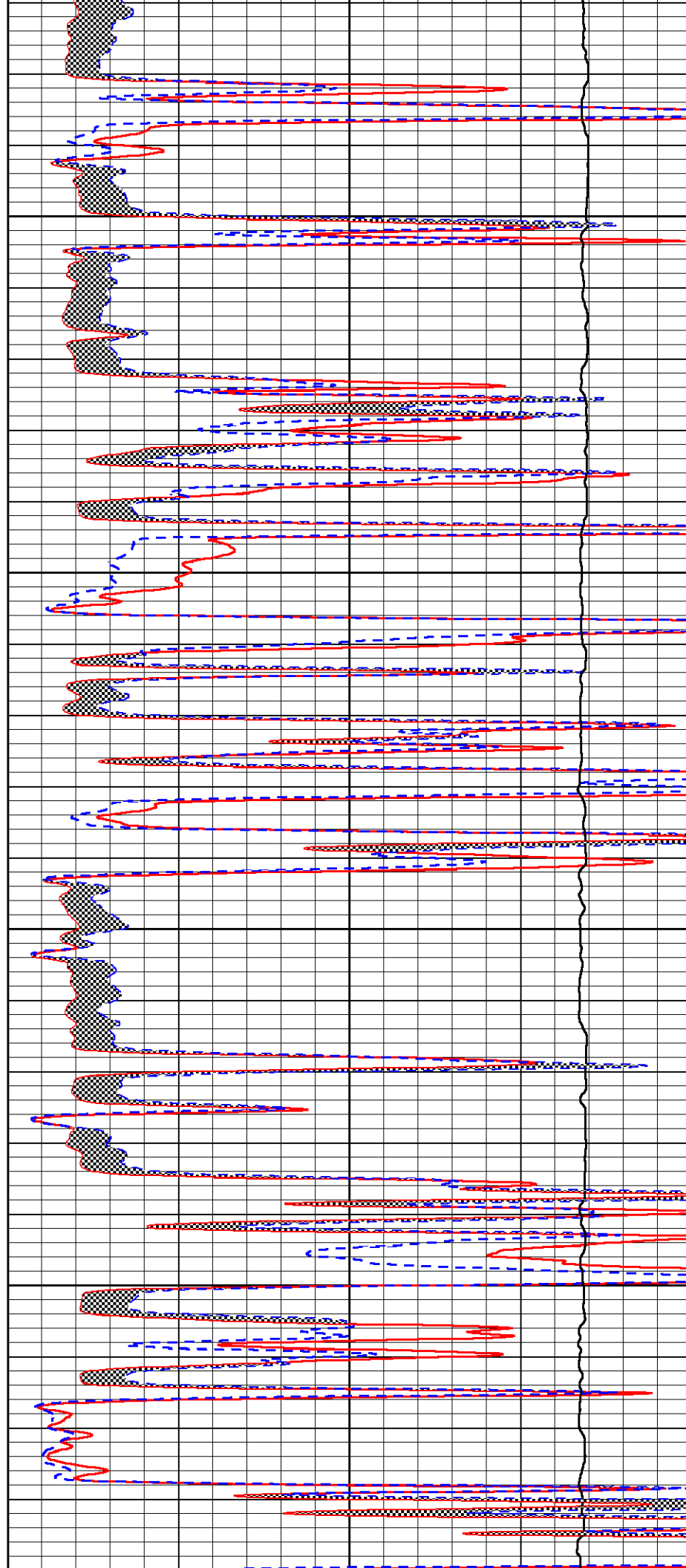


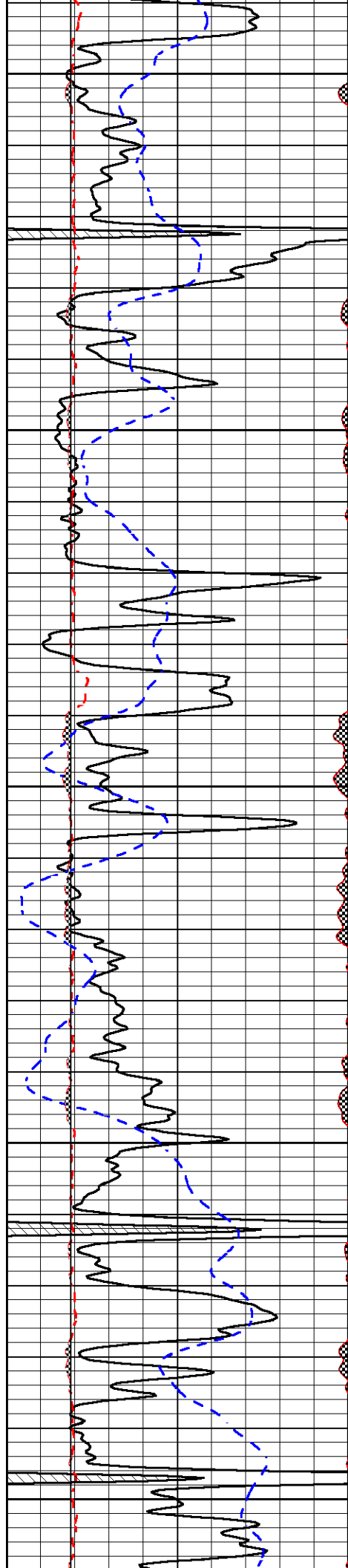
3400

3450

3500

3550





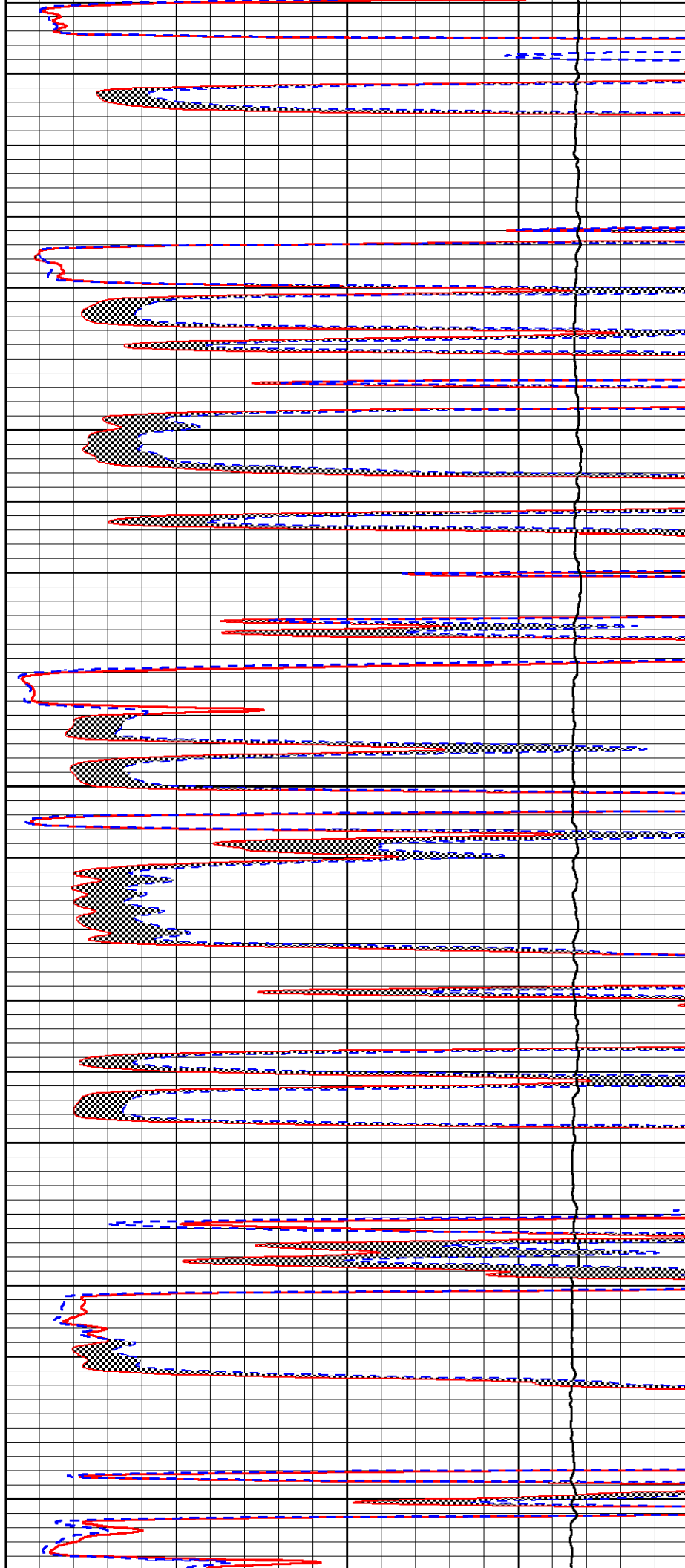
3600

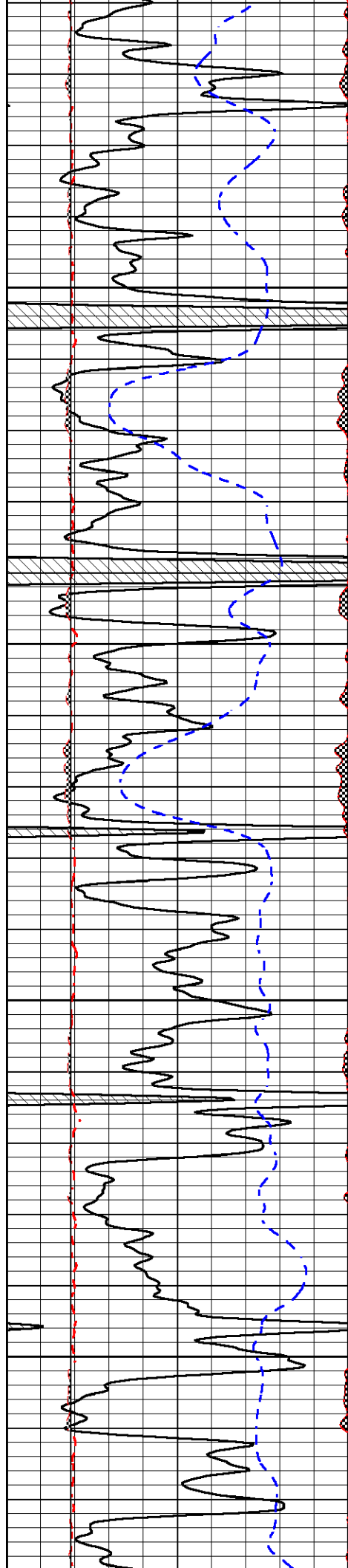
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3700

3750

3800



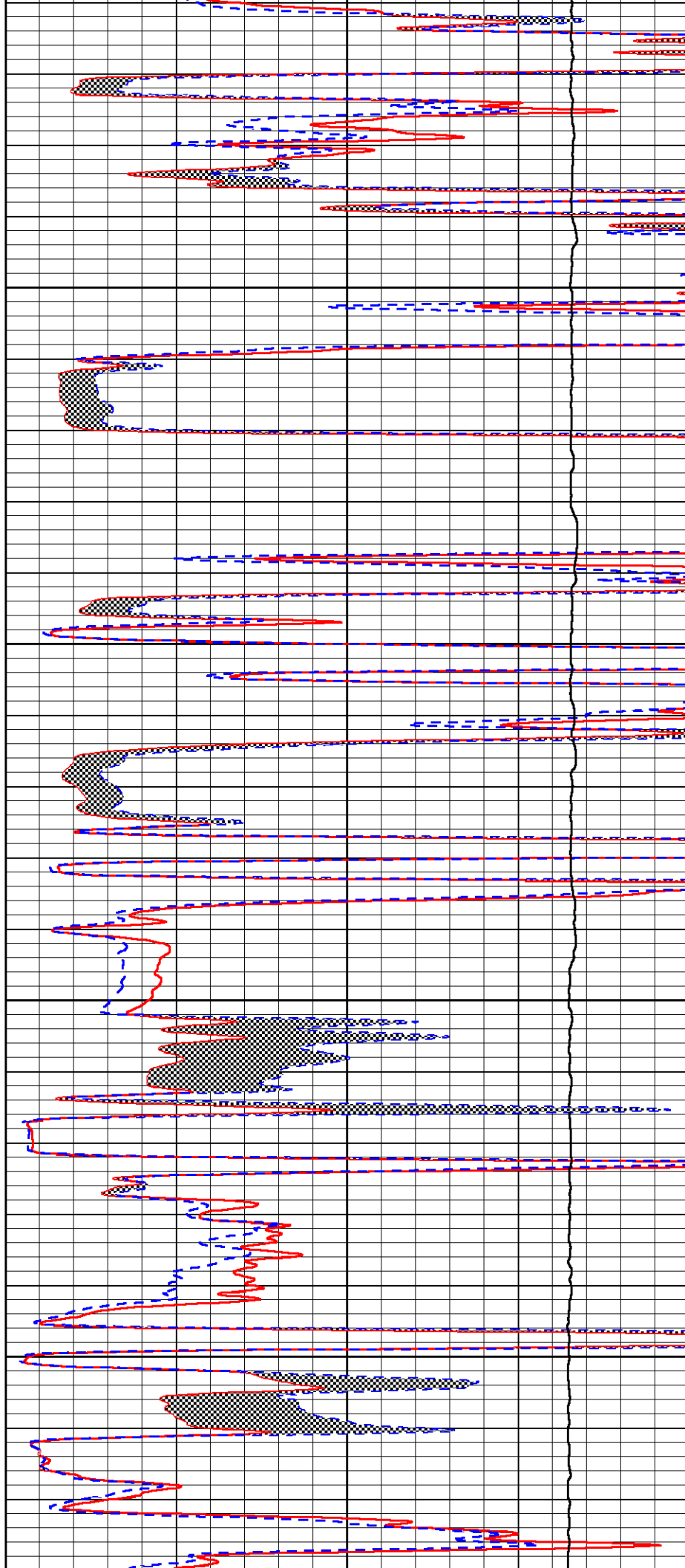


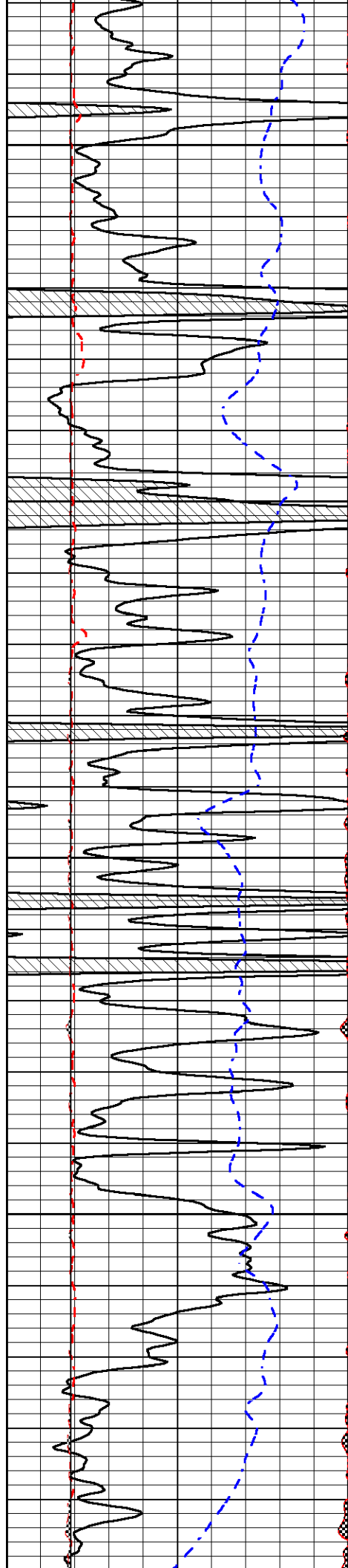
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3900

3950

4000





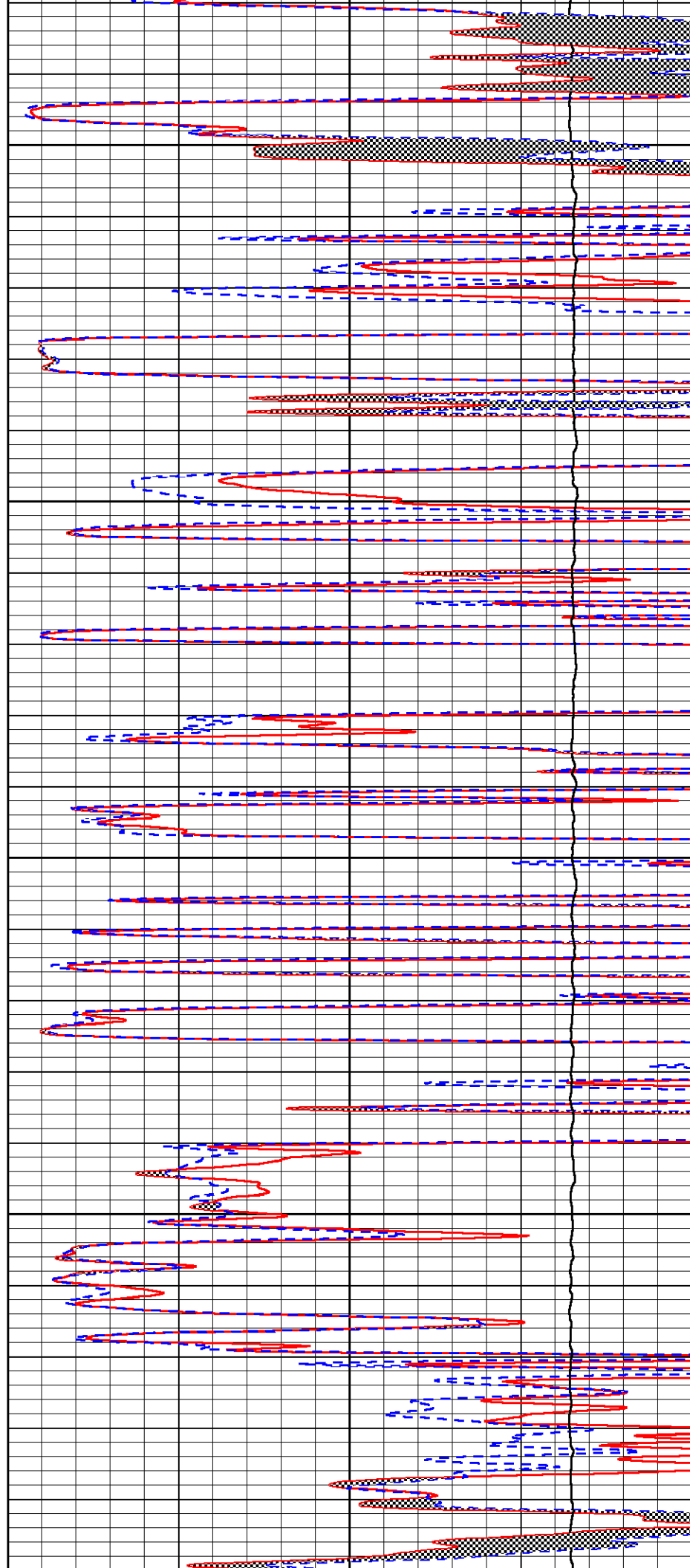
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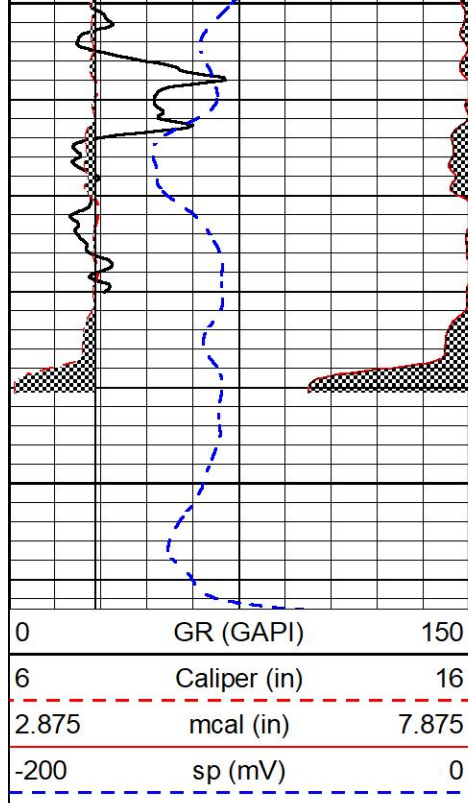
4100

4150

4200

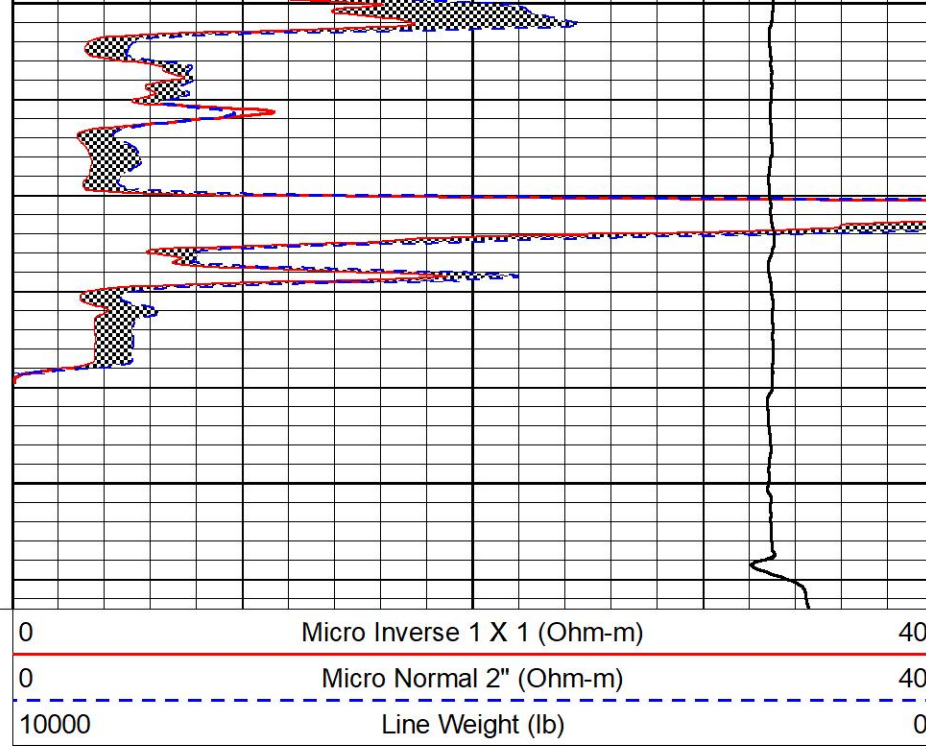
4250





4250

4300

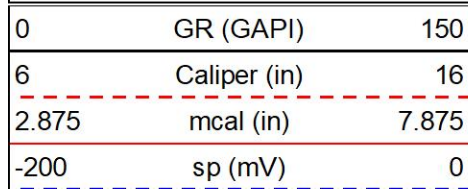


MIDWEST WIRELINE

REPEAT SECTION

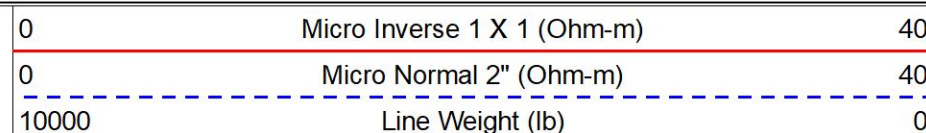
REPEAT PASS

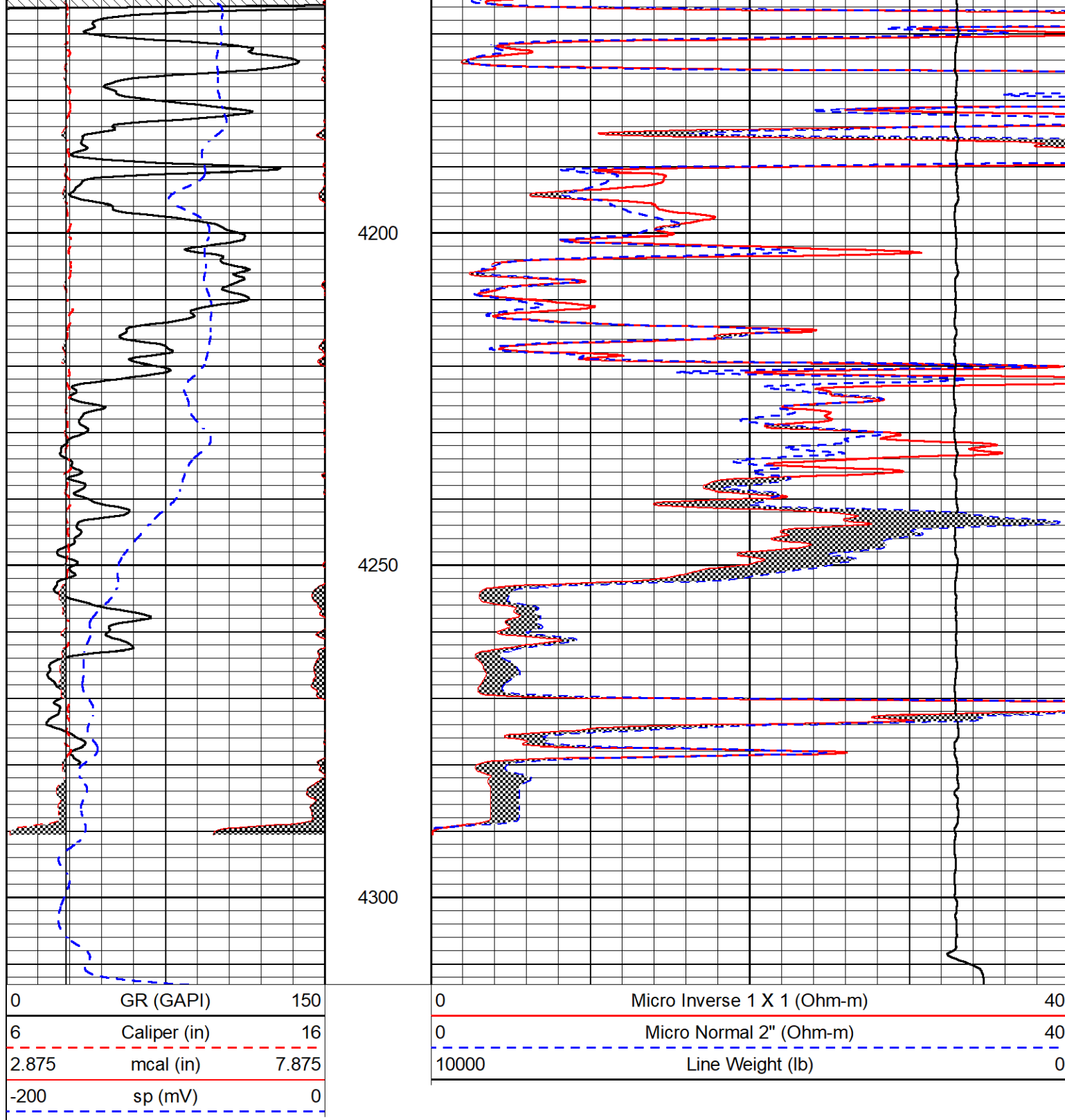
Database File berexco_herman #1-13.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _micro
 Dataset Creation Sat Aug 03 23:11:17 2024
 Charted by Depth in Feet scaled 1:240



4100

4150





Calibration Report

Database File berexco_herman #1-13.db
 Dataset Pathname SonMel/pass3.5
 Dataset Creation Sun Aug 04 01:16:53 2024

Microlog Calibration Report

Serial-Model: G002-GO
 Performed: Tue Jun 27 13:30:14 2023

Readings

Zero Cal

References

Zero Cal

Results

m b

Normal	-0.3936	0.6257	V	0.0000	10.0000	Ohm-m	17.0000	-0.5000
Inverse	0.0179	0.4655	V	0.0000	10.0000	Ohm-m	12.0000	0.1000
Caliper	0.0131	0.1522	V	6.0000	18.0000	in	175.0000	6.1300

		Company	Berexco LLC
		Well	Herman #1-13
		Field	
		County	Gove
		State	Kansas