

MIDWEST WIRELINE

MICRORESISTIVITY LOG

Company MG Oil, Inc.				
Well	Lawrence #15			
Field	Wildcat			
County	Lane			
State	Kansas			
Location: API #: 15-101-22652-00-00				
SW NE NW SE 2187' FNL & 1663' FEL SEC 15 TWP 16S RGE 28W				
Permanent Datum	Ground Level	Elevation	2591'	Other Services
Log Measured From	Kelly Bushing			CNL/CDL DIL/BHCS
Drilling Measured From	Kelly Bushing			K.B. 2598' D.F. 2591' G.L. 2591'
Date	6/17/2021			
Run Number	Two			
Depth Driller	4498'			
Depth Logger	4497'			
Bottom Logged Interval	4496'			
Top Log Interval	3400'			
Casing Driller	8.625" @ 257'			
Casing Logger	256'			
Bit Size	7.875"			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	2700			
Density / Viscosity	8.9	55		
pH / Fluid Loss	10.5	7.2		
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	0.75 @ 76			
Rmt @ Meas. Temp	0.56 @ 76			
Rmc @ Meas. Temp	1.01 @ 76			
Source of Rmt / Rmc	CHARTS			
Rm @ BHT	0.47 @ 121			
Operating Rig Time	4.5 Hours			
Max Rec. Temp. F	121 Deg F			
Equipment Number	P-24			
Location	HAYS			
Recorded By	T. Martin			
Witnessed By	Chad Counts			

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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.

Shields, KS, Hwy 4 & Laredo Rd, 4 N to 280, 2 E, S & SE 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: 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\mg oil_lawrence #15.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	121	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	0	0	420	100	Off	4497

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



MIDWEST WIRELINE

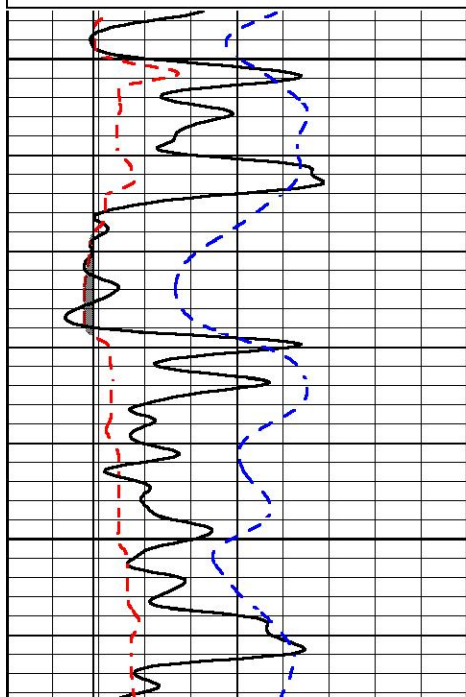
MAIN LOG

ZERO PSI APPLIED AT SURFACE

Database File mg oil_lawrence #15.db
Dataset Pathname Stack/pass3.1
Presentation Format _micro
Dataset Creation Thu Jun 17 15:05:56 2021
Charted by Depth in Feet scaled 1:240

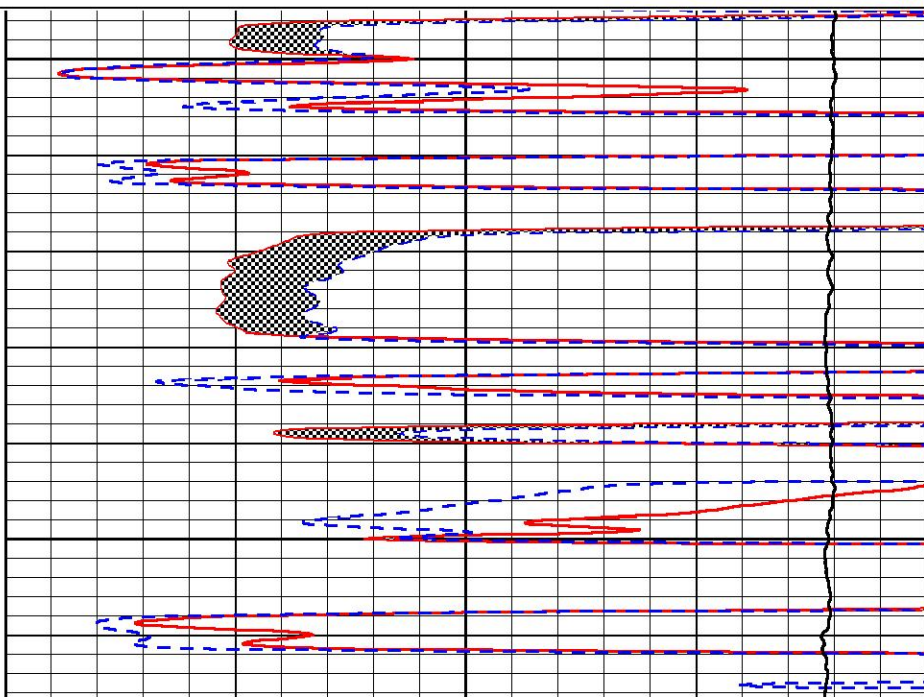
0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-200	sp (mV)	0

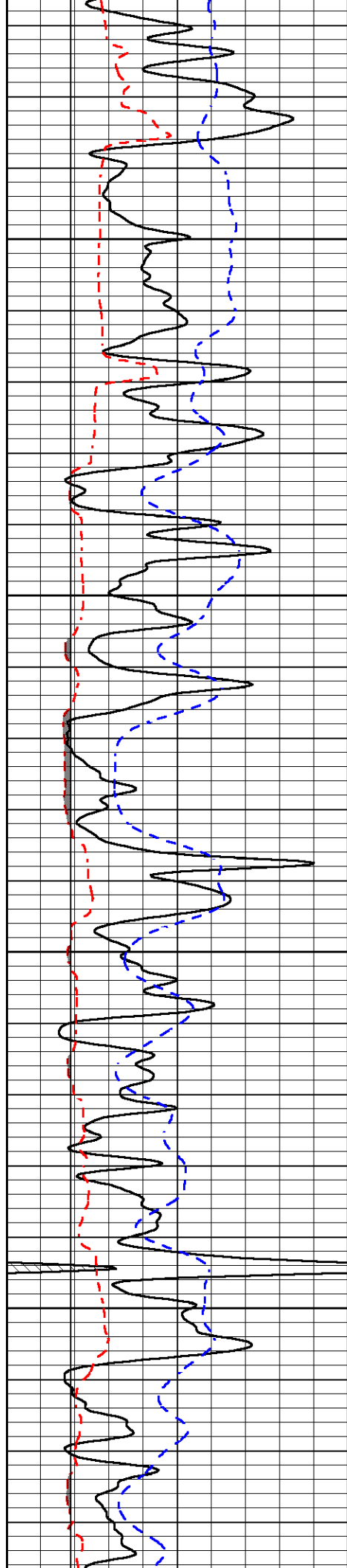
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0



3400

3450



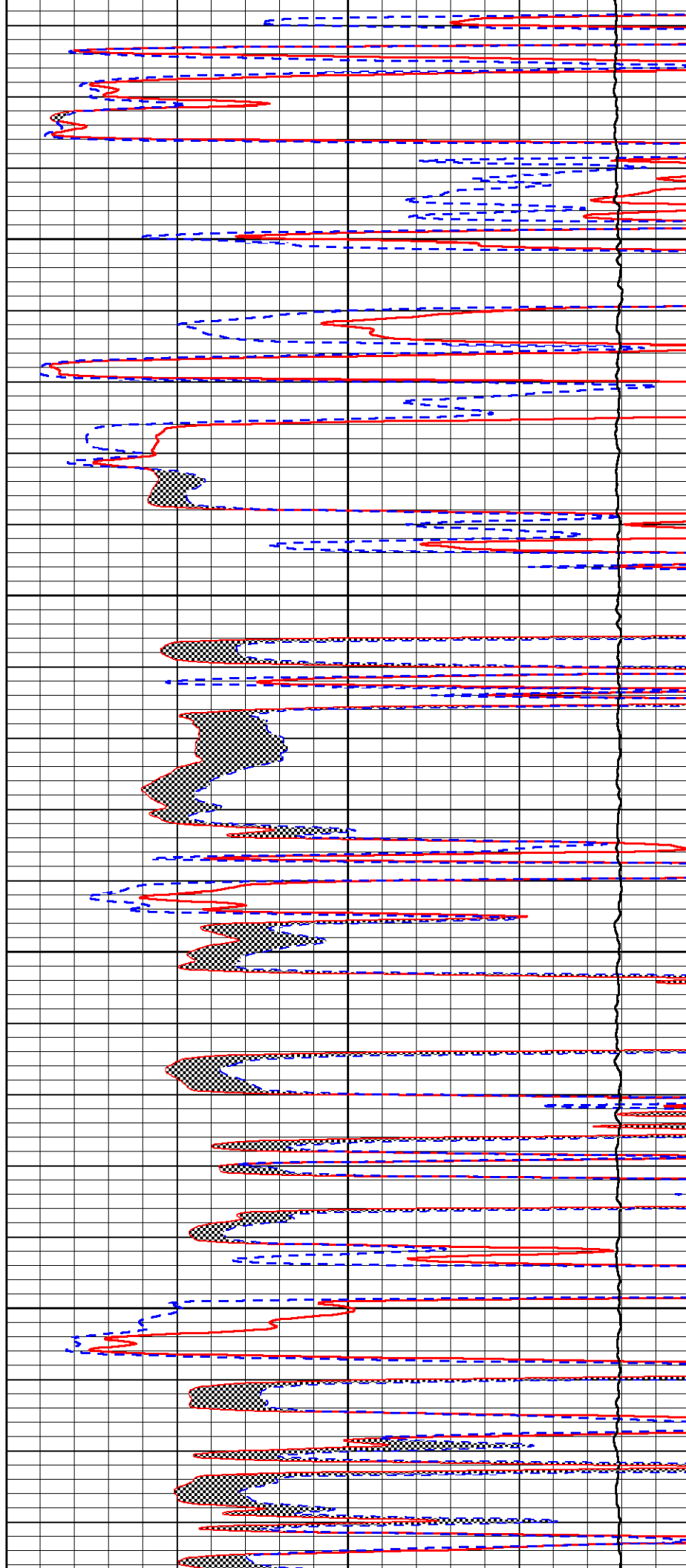


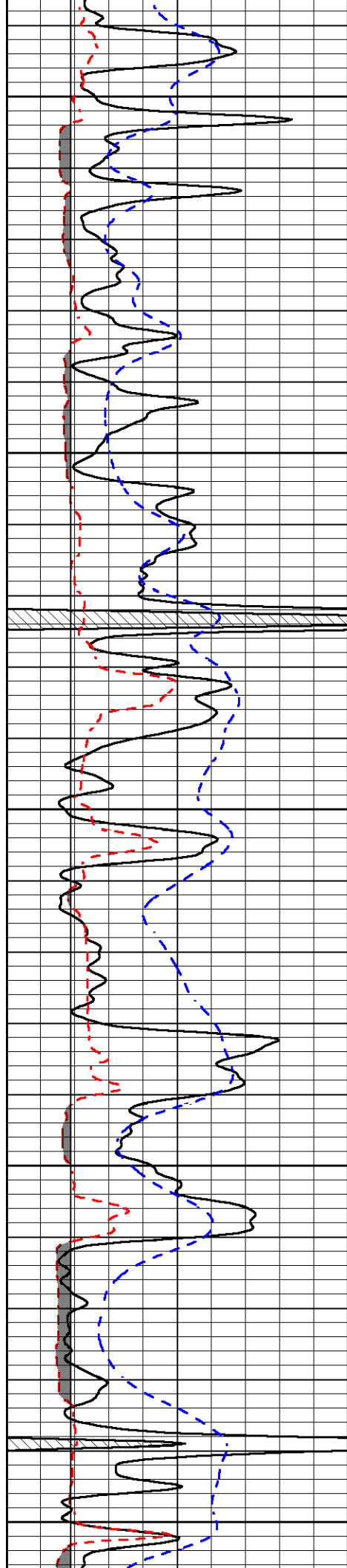
3500

3550

3600

3650





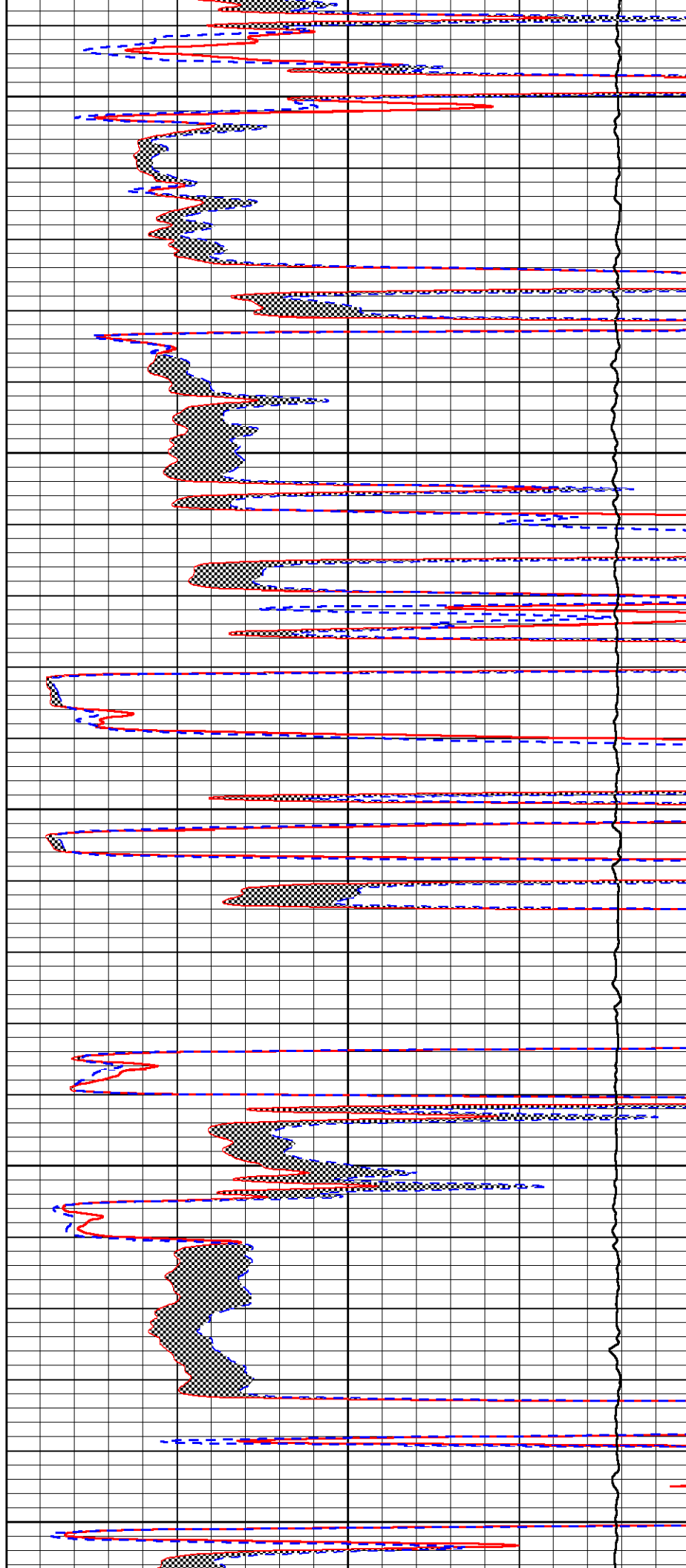
3700

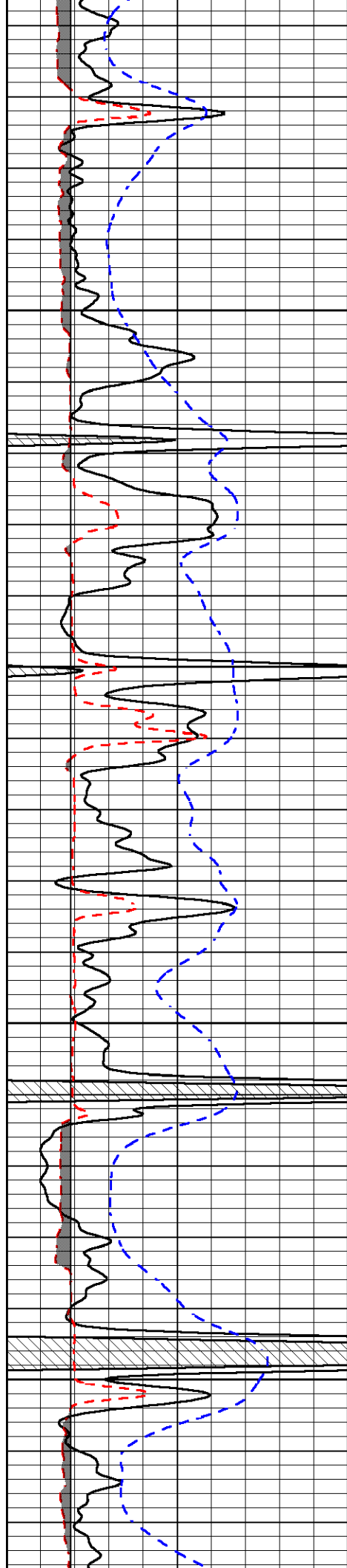
3750

3800

3850

3900



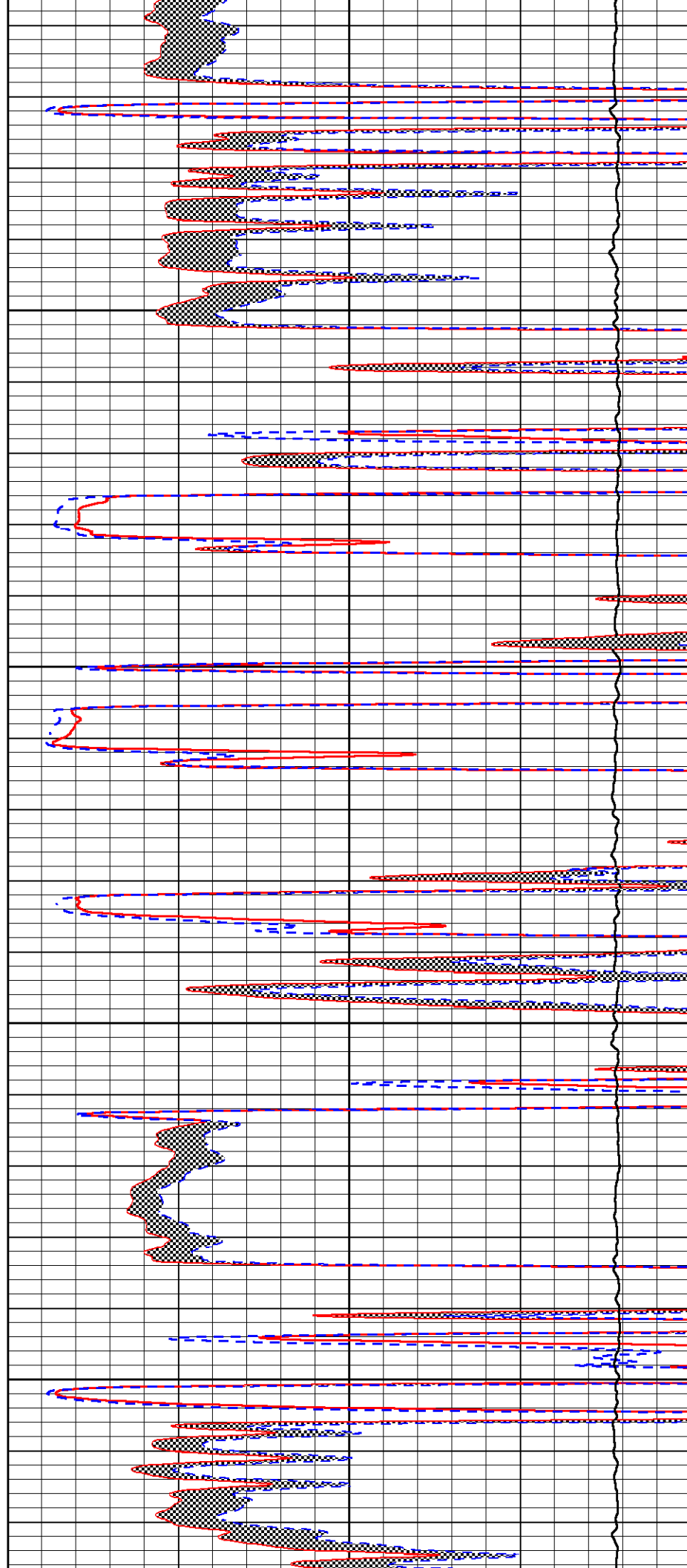


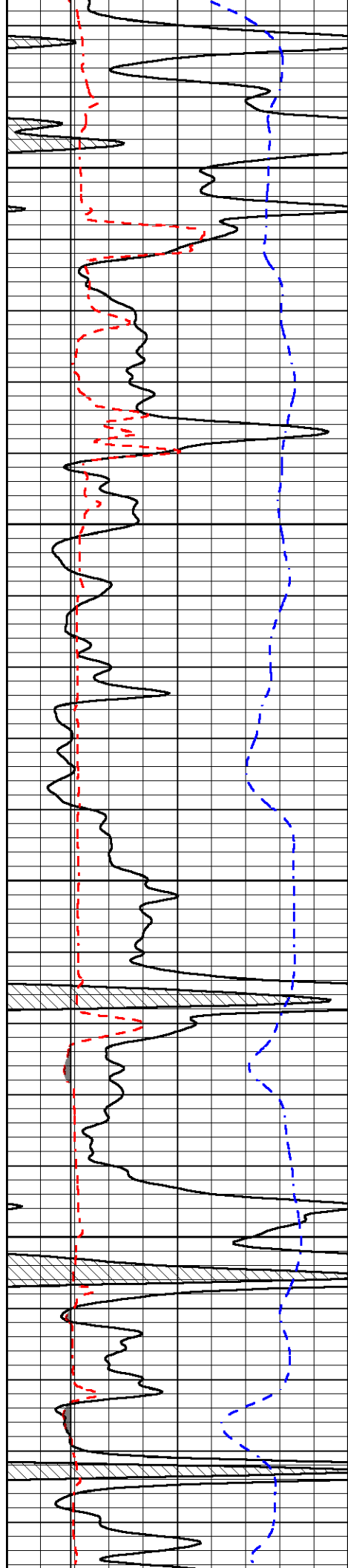
3950

4000

4050

4100



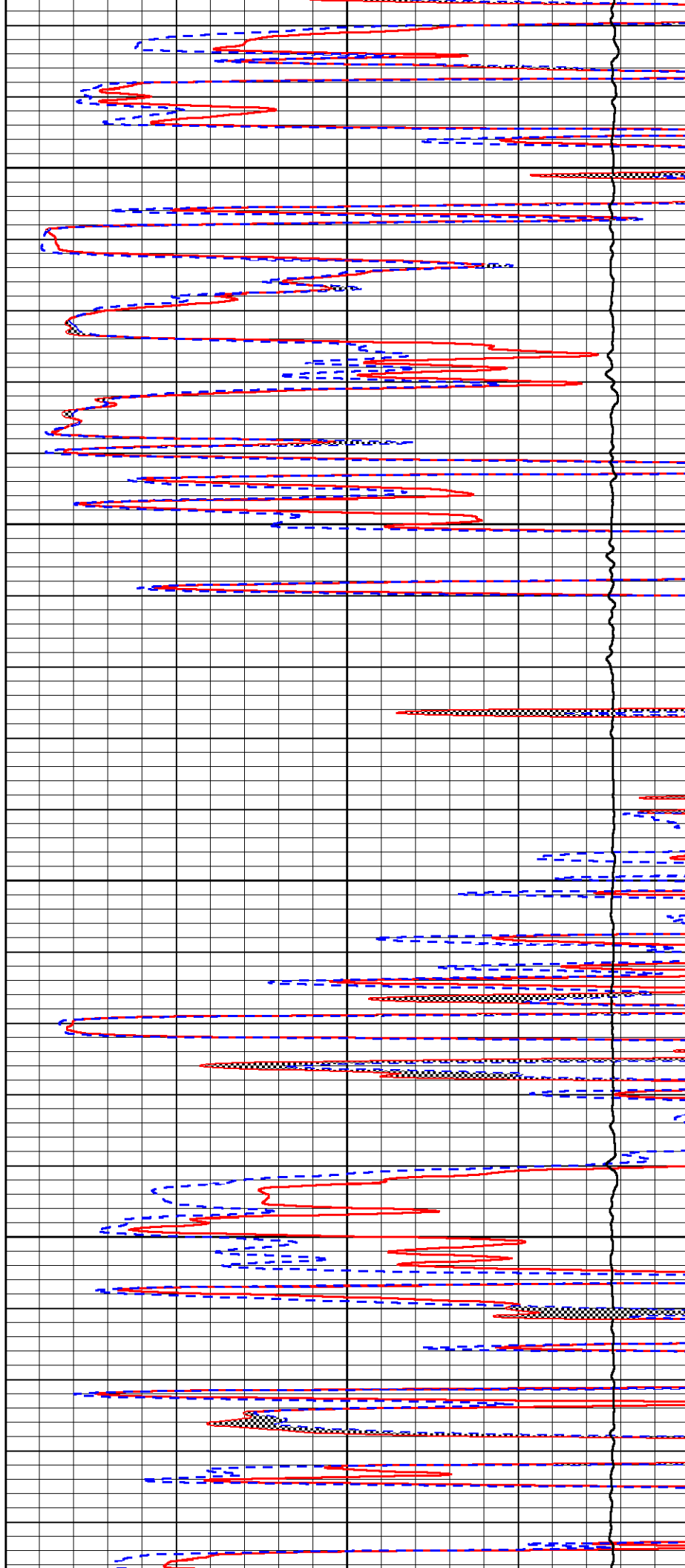


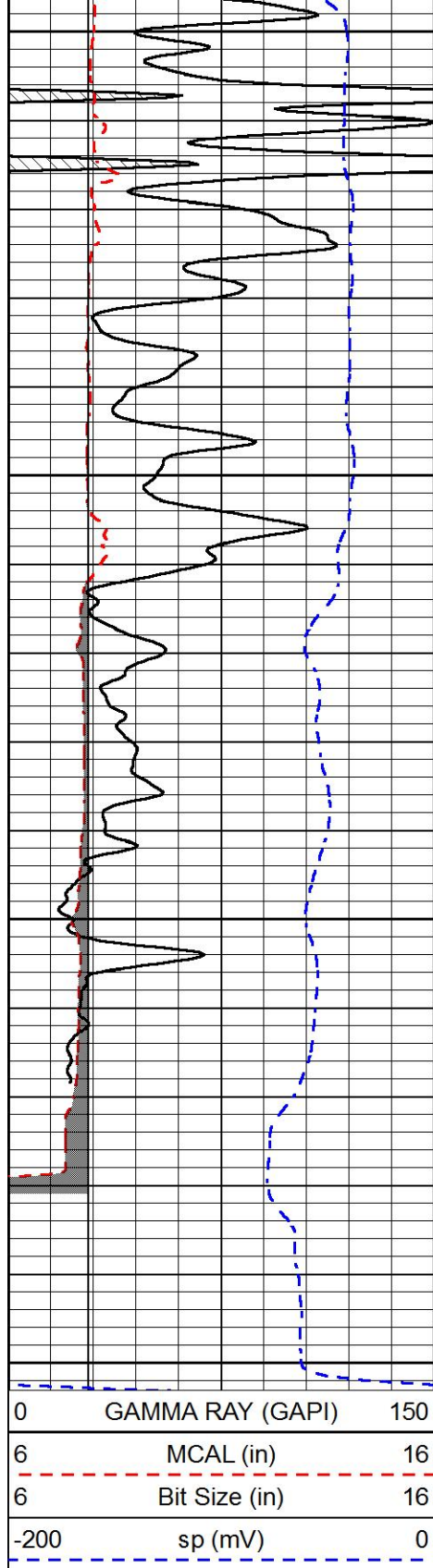
4150

4200

4250

4300



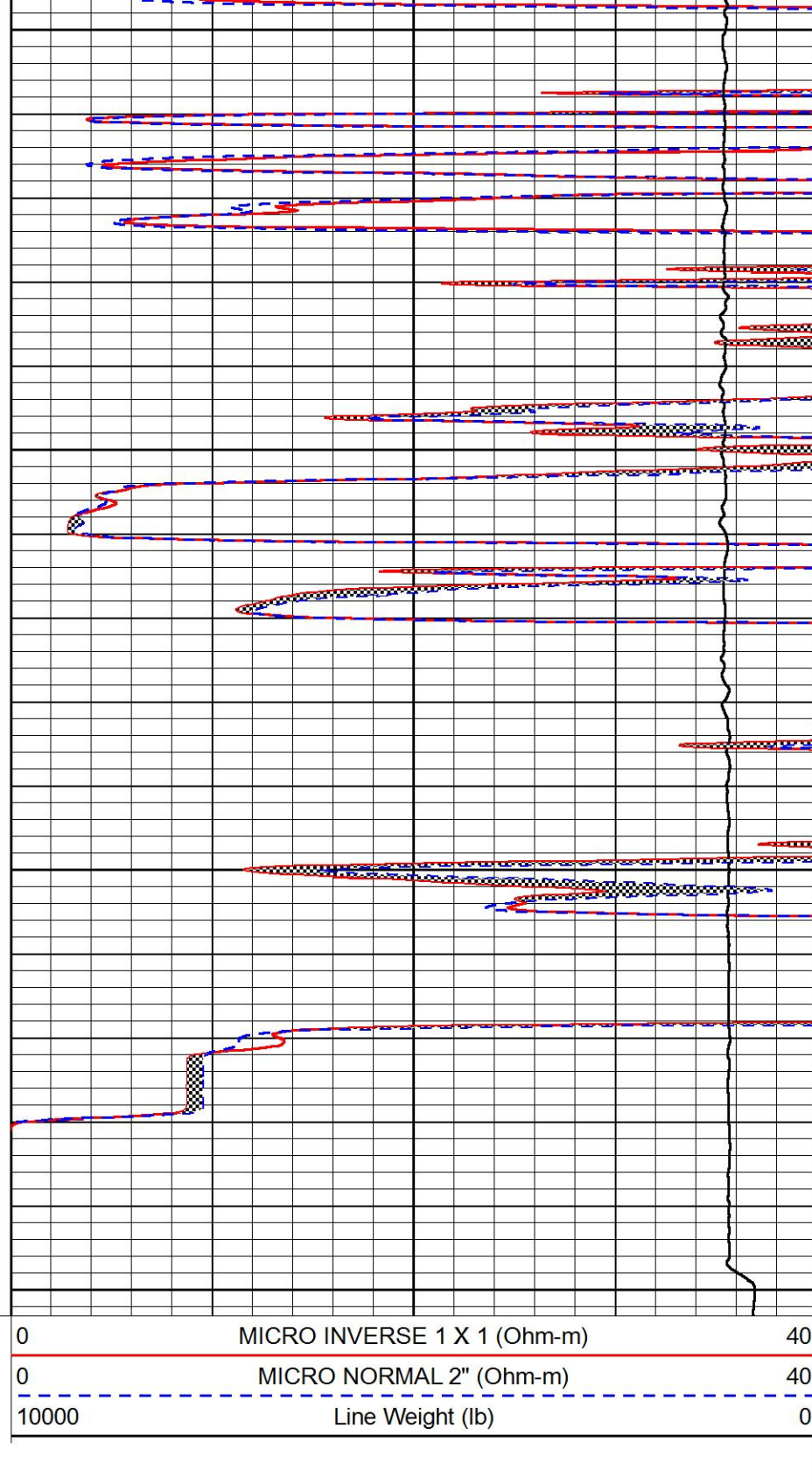


4350

4400

4450

4500



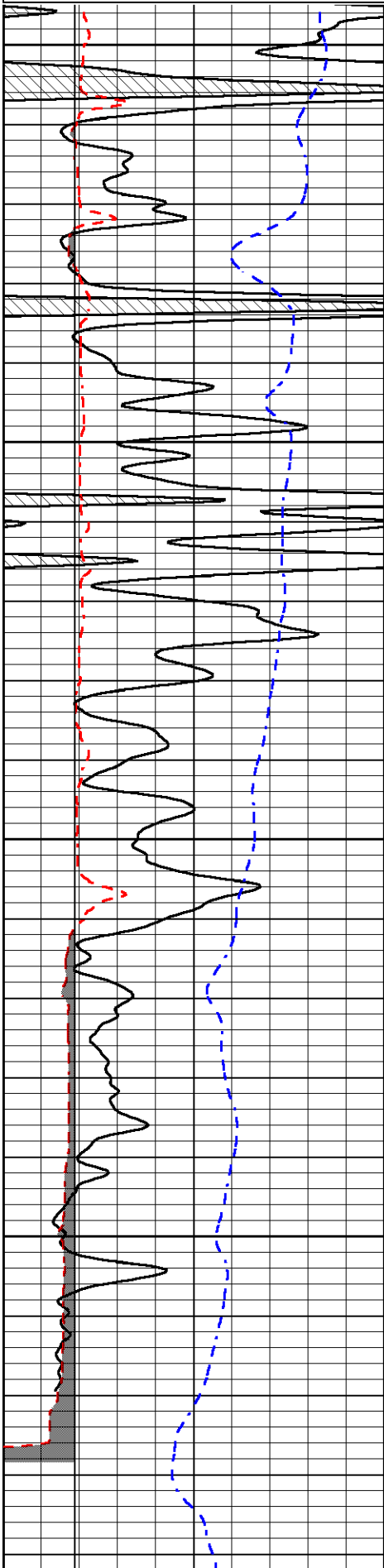
MIDWEST WIRELINE

REPEAT SECTION

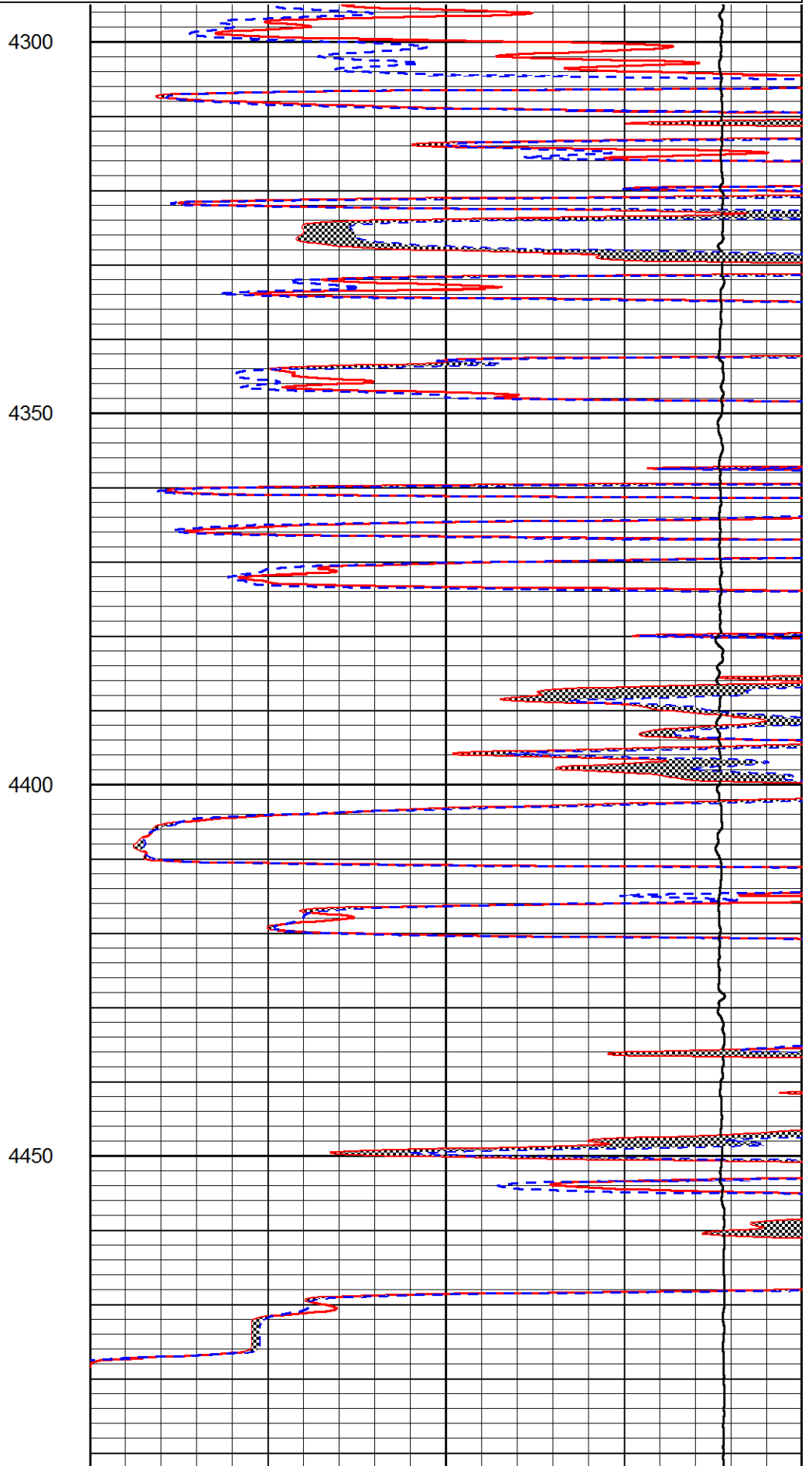
ZERO PSI APPLIED AT SURFACE

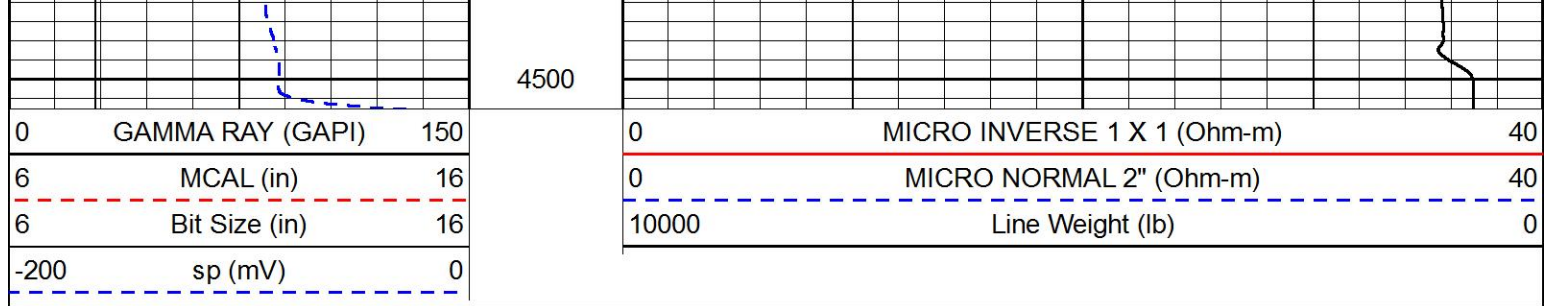
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 Dataset Pathname Stack/pass2.1
 Presentation Format _micro
 Dataset Creation Thu Jun 17 14:22:17 2021
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-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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County	Lane
State	Kansas