



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Arcadian Resources, LLC	
Well	Malone #1-22
Field	
County	Rawlins
State	Kansas
Location: API #: 15-153-21274-00-00	
SEC 22 TWP 5S RGE 32W	
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
Elevation 3010	
CNL/CDL DIL	
Other Services	
Elevation 3015	
D.F.	
G.L. 3010	
Date	12/1/2021
Run Number	One
Depth Driller	4600
Depth Logger	4600
Bottom Logged Interval	4599
Top Log Interval	3700
Casing Driller	8.625 @ 234
Casing Logger	232
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	500
Density / Viscosity	9.4 50
pH / Fluid Loss	9.5 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.75 @ 80
Rmt @ Meas. Temp	0.56 @ 80
Rmc @ Meas. Temp	1.01 @ 80
Source of Rmt / Rmc	CHARTS
Rm @ BHT	0.49 @ 122
Operating Rig Time	3 Hours
Max Rec. Temp. F	122
Equipment Number	P-24
Location	Hays
Recorded By	D. Schmidt
Witnessed By	Sean Deenihan

<<< 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.

Gem,

North on Rd 439 to curve, continue North on Rd 441,
North to C Rd, 1 East, 1 North,
West and South to location

Log Measured From: Kelly Bushing

5 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: Sean Deenihan
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\arcadian_malone 1-22.db
Dataset field/well/stkml/pass3.4/_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	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	200	70		4600

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

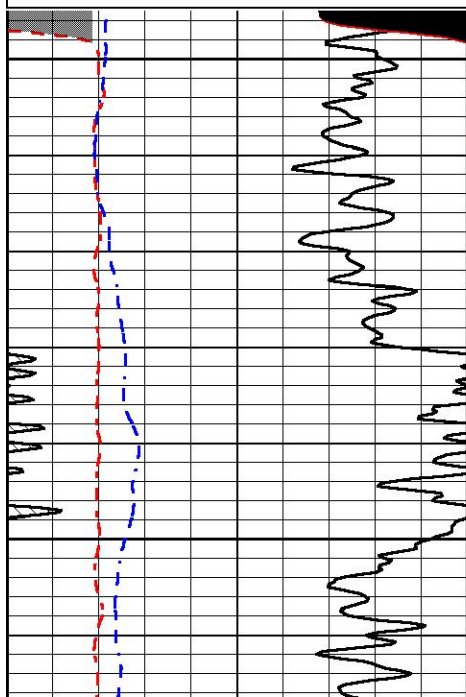
NIOBRARA SECTION

MAIN PASS

Database File arcadian_malone 1-22.db
Dataset Pathname stkml/pass5.1
Presentation Format _micro
Dataset Creation Wed Dec 01 17:48:51 2021
Charted by Depth in Feet scaled 1:240

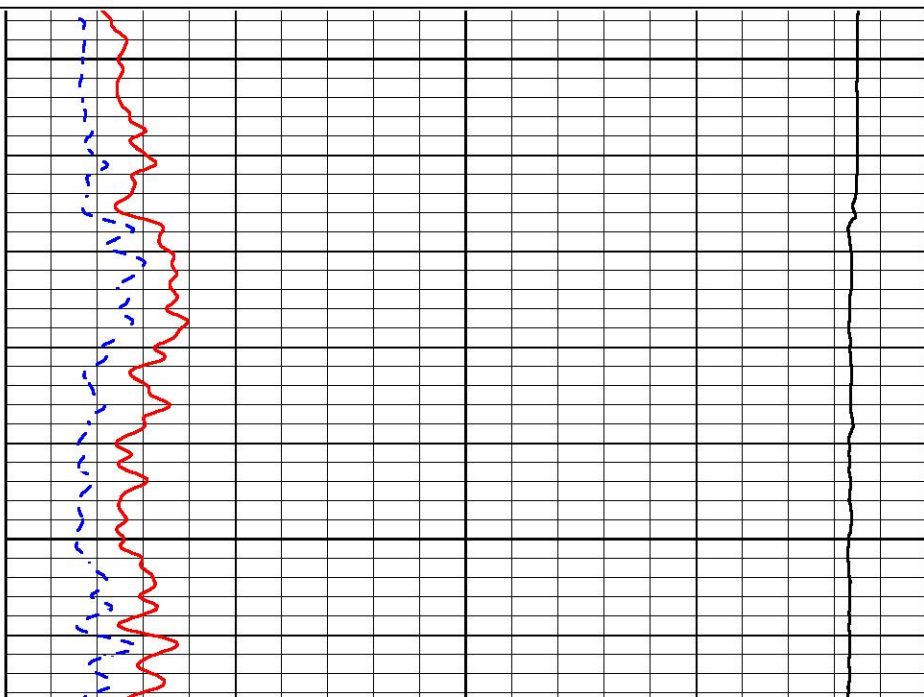
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6	Caliper (in)	16
-2.875	mcal (in)	7.875
-200	SP (mV)	0

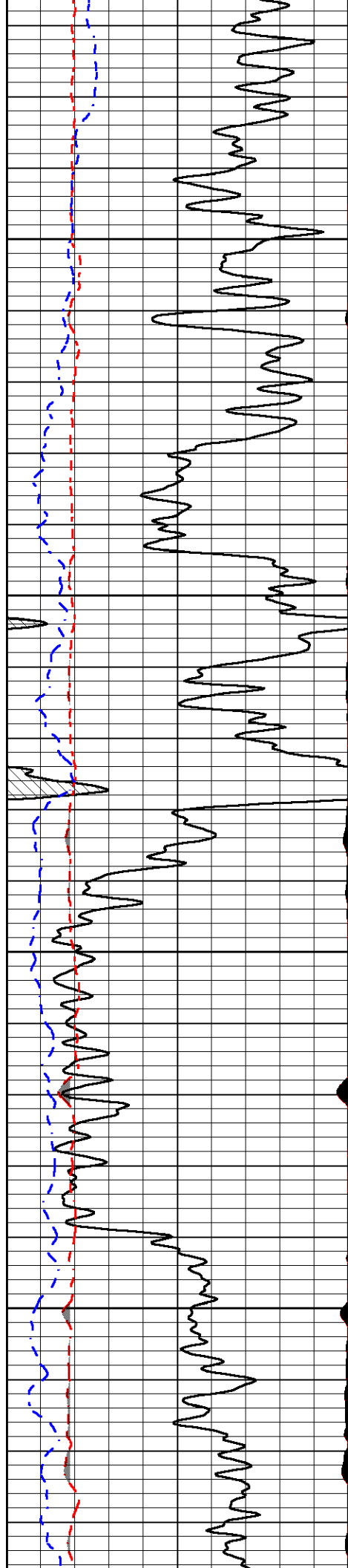
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



1050

1100



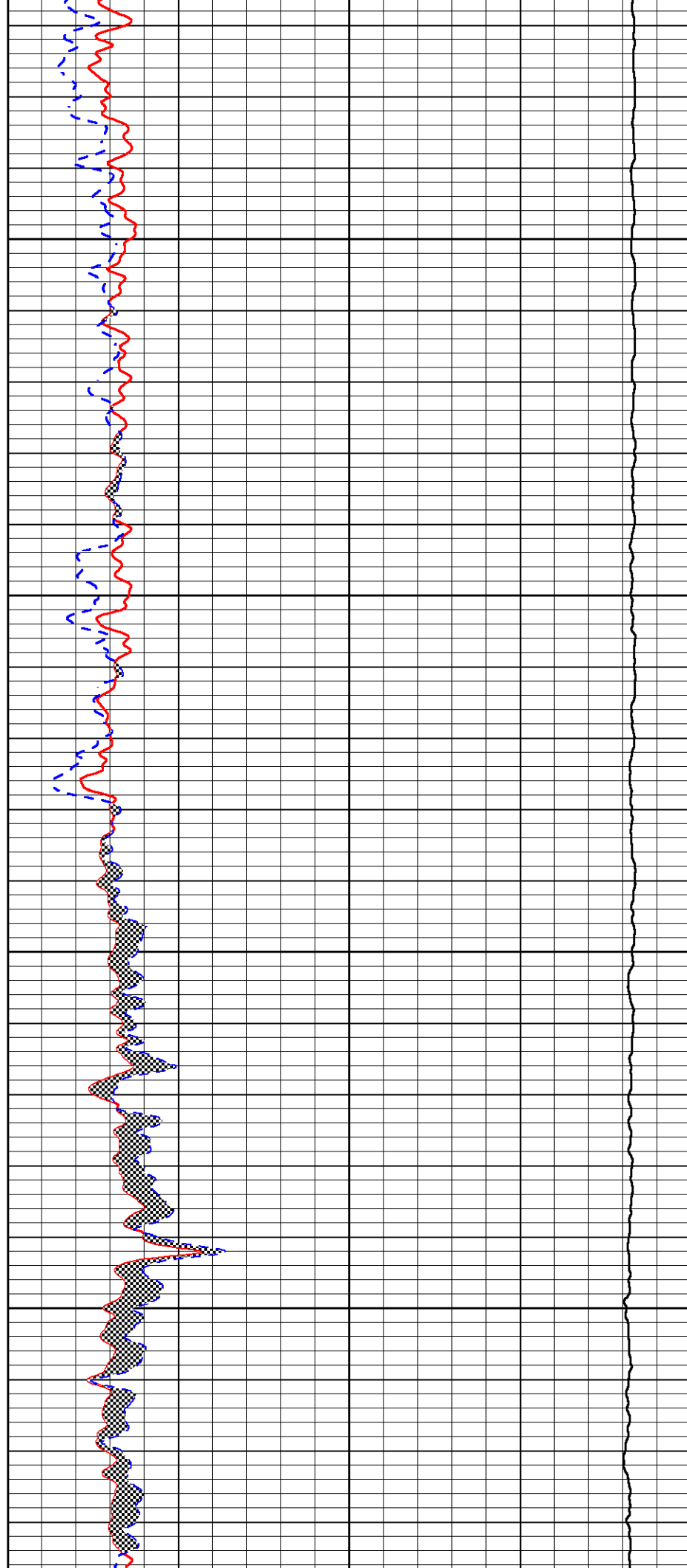


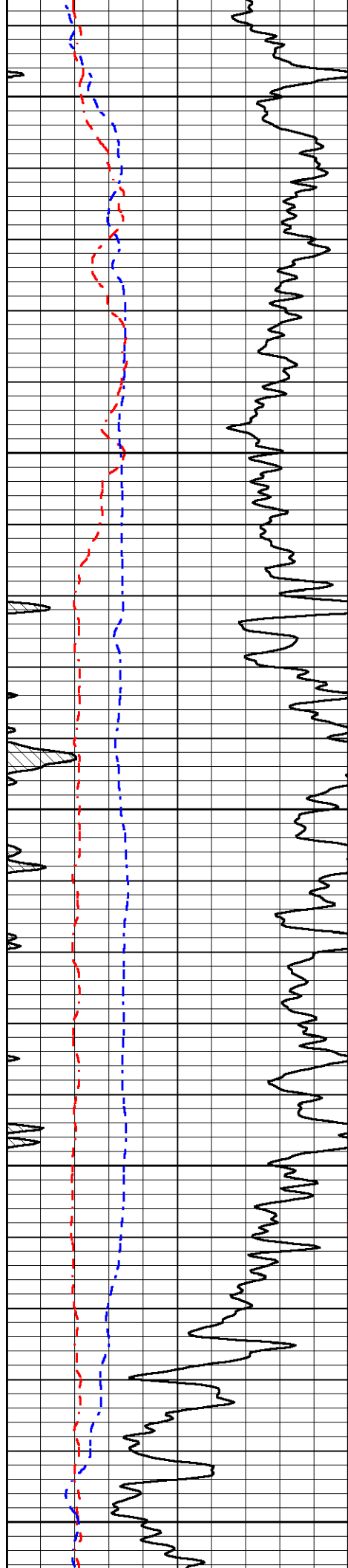
1150

1200

1250

1300





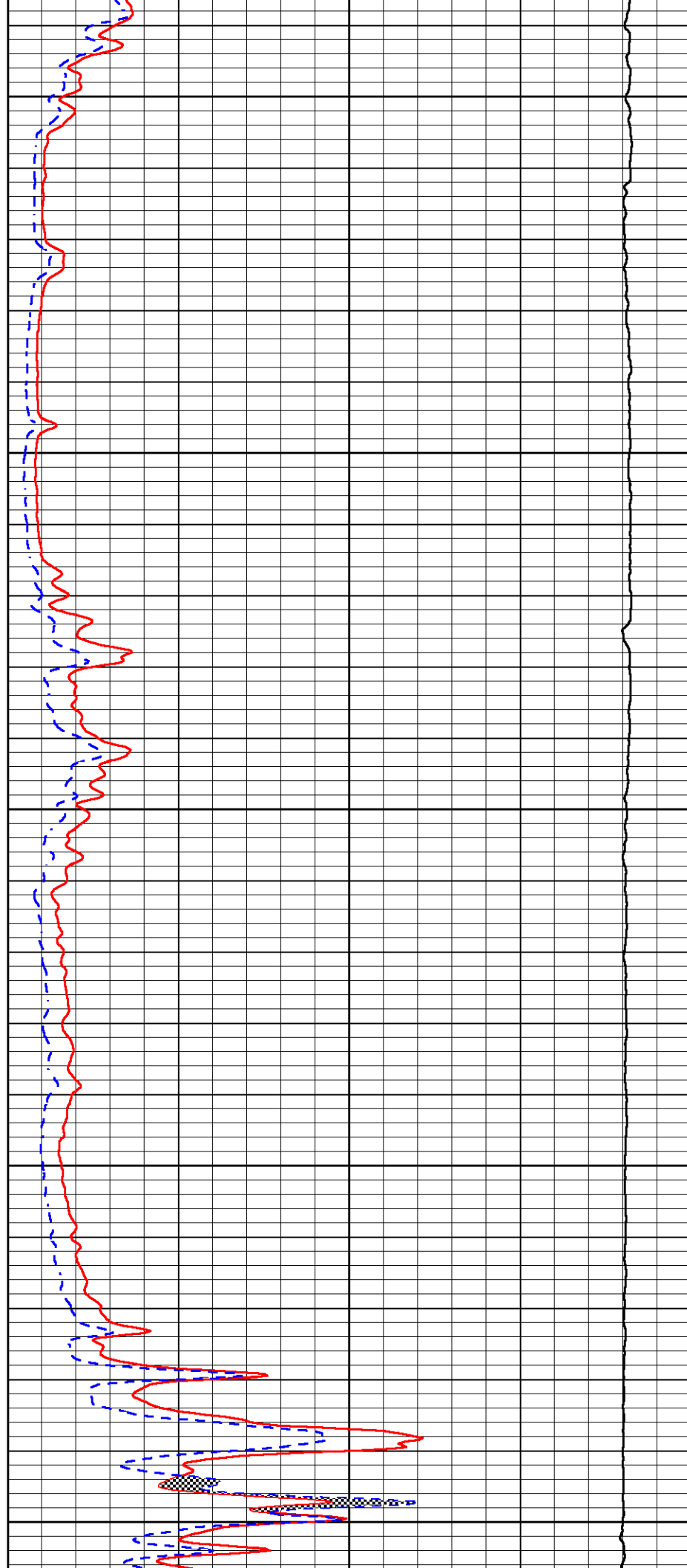
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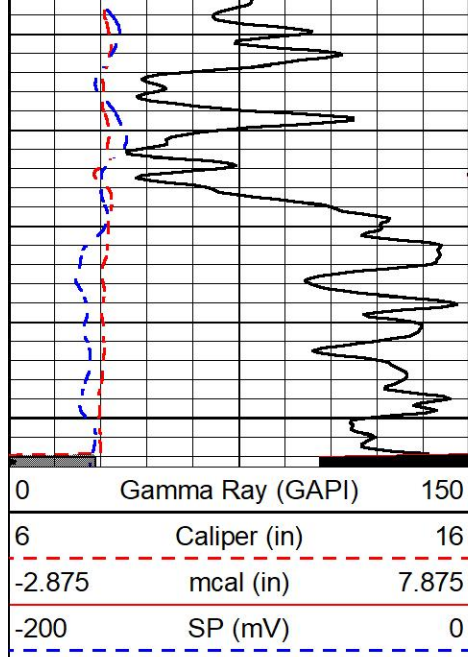
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1450

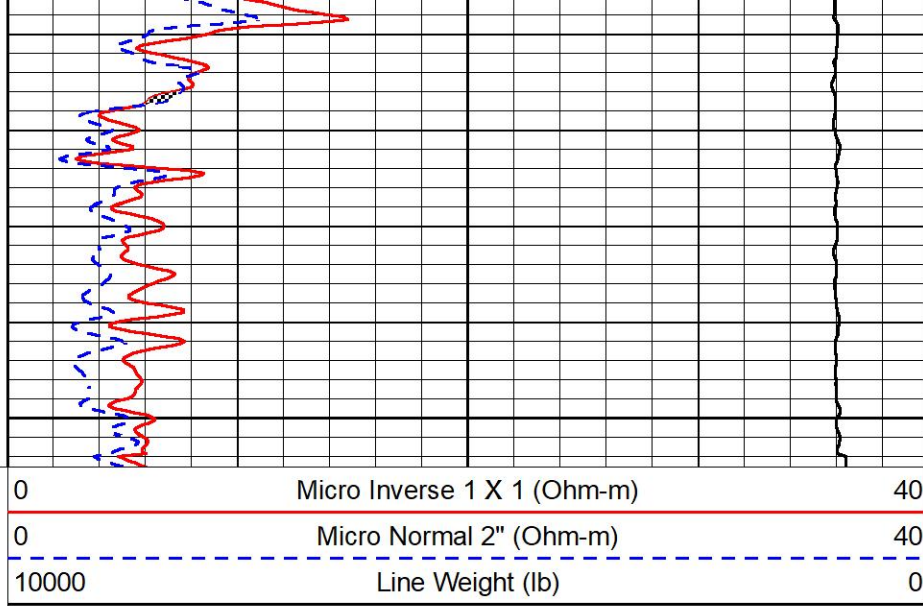
1500

1550





1600

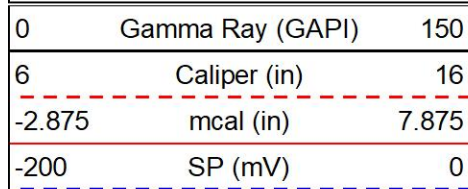


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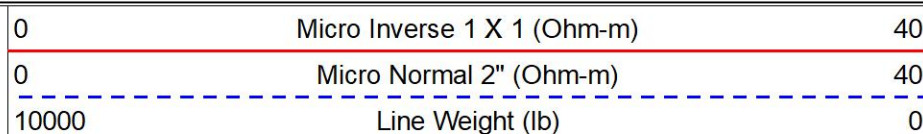
DETAIL SECTION

MAIN PASS

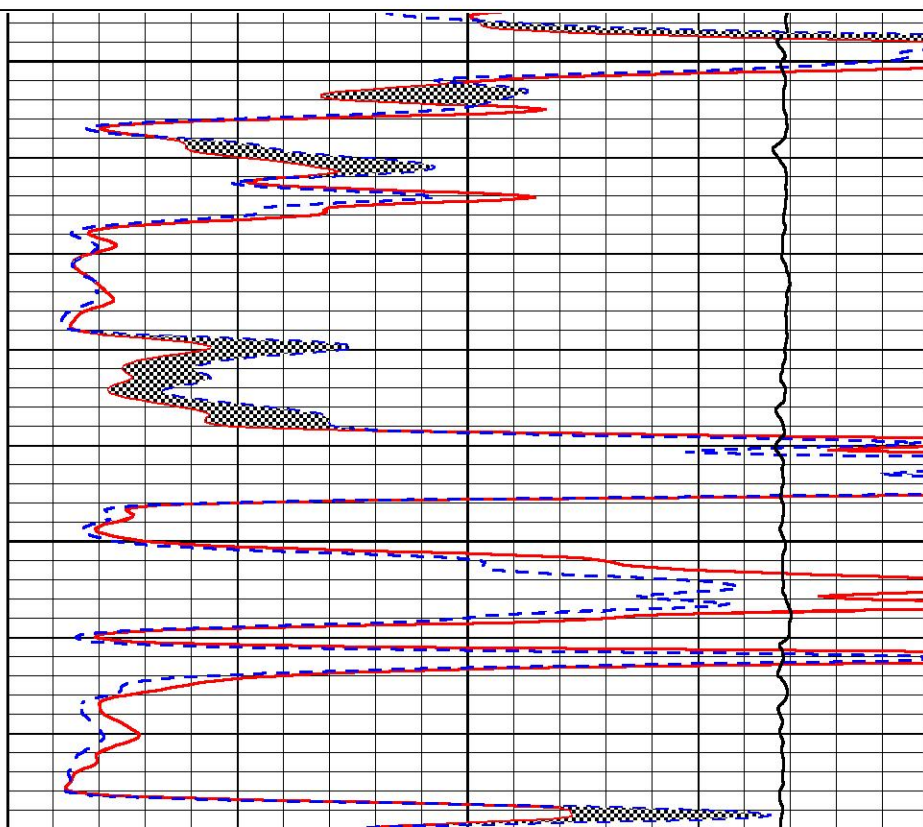
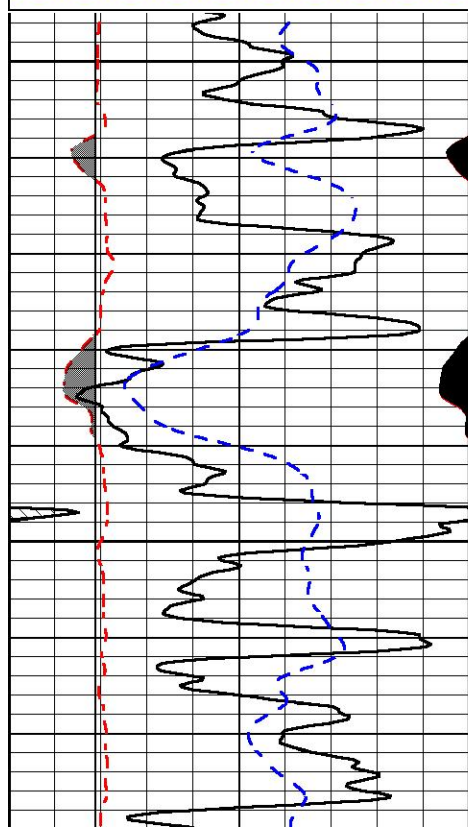
Database File arcadian_malone 1-22.db
 Dataset Pathname stkml/pass3.1
 Presentation Format _micro
 Dataset Creation Wed Dec 01 17:48:22 2021
 Charted by Depth in Feet scaled 1:240

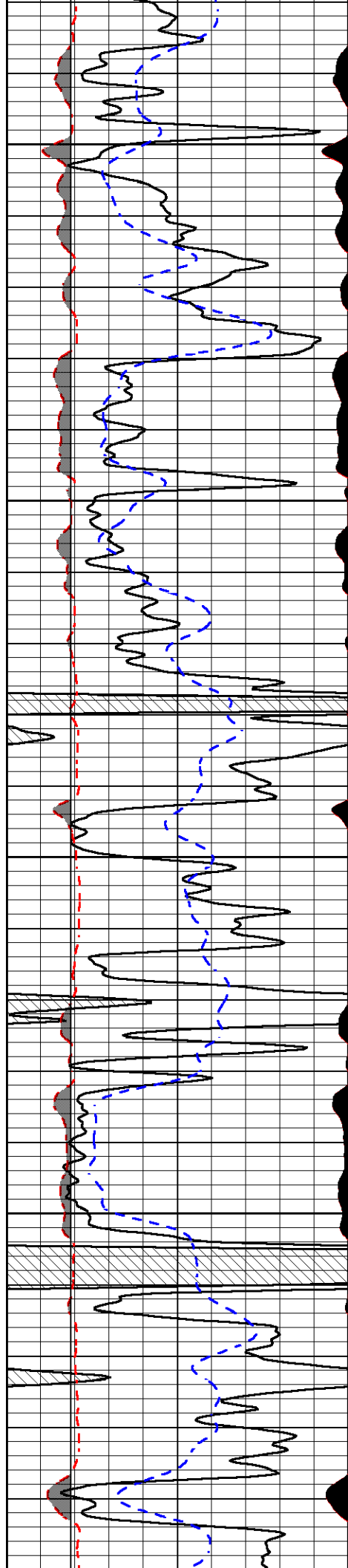


3700



3750





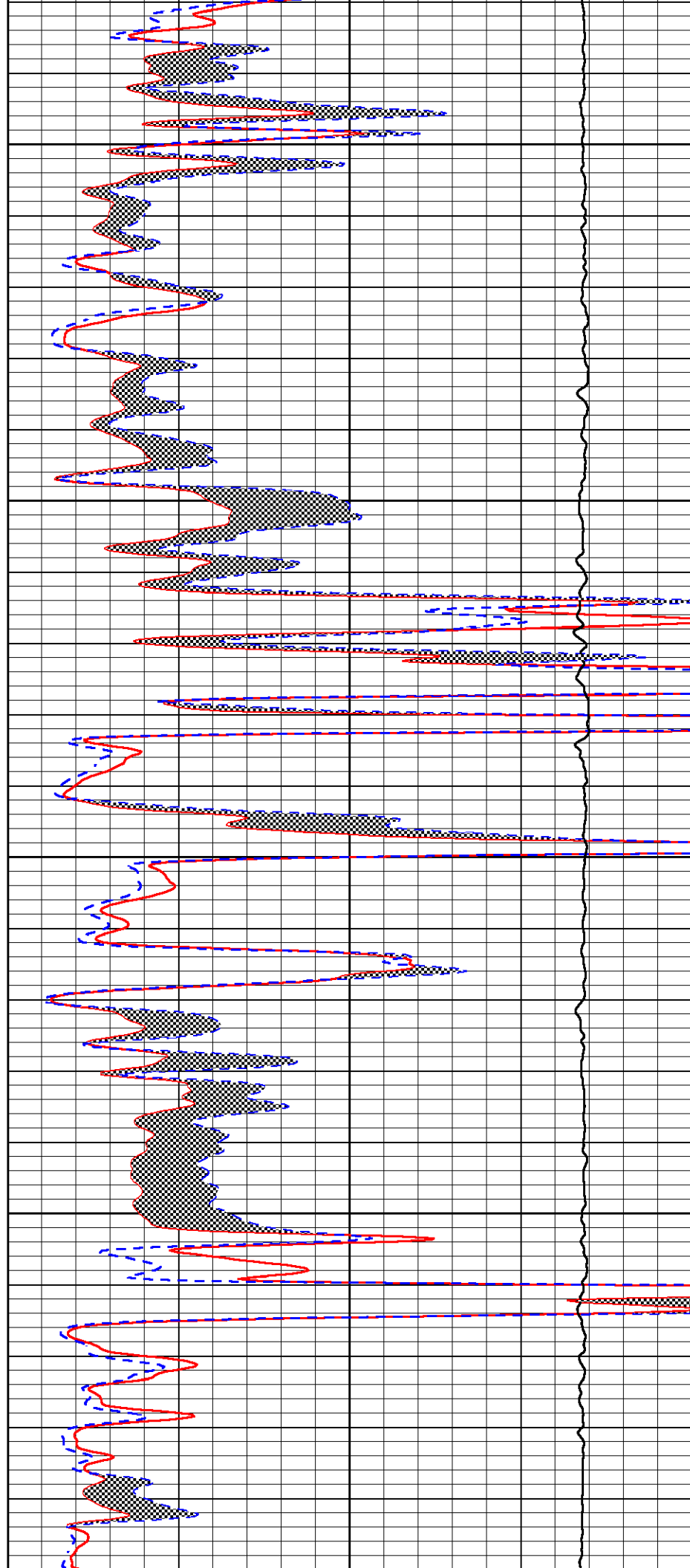
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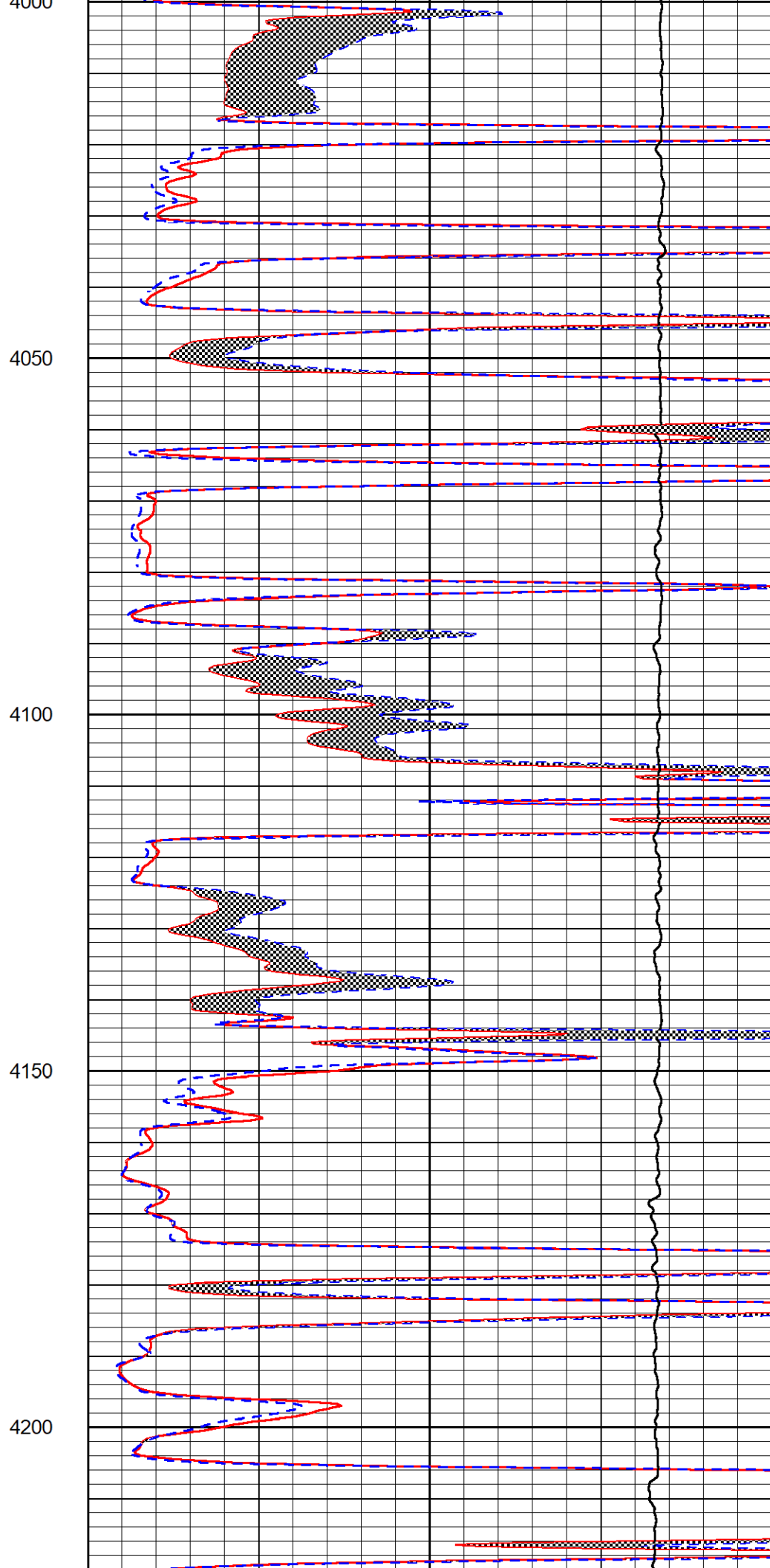
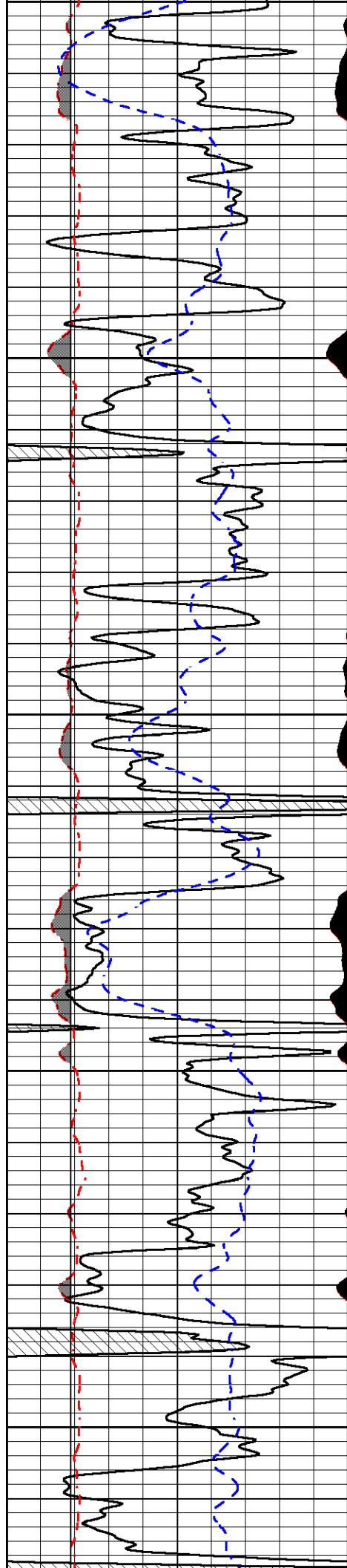
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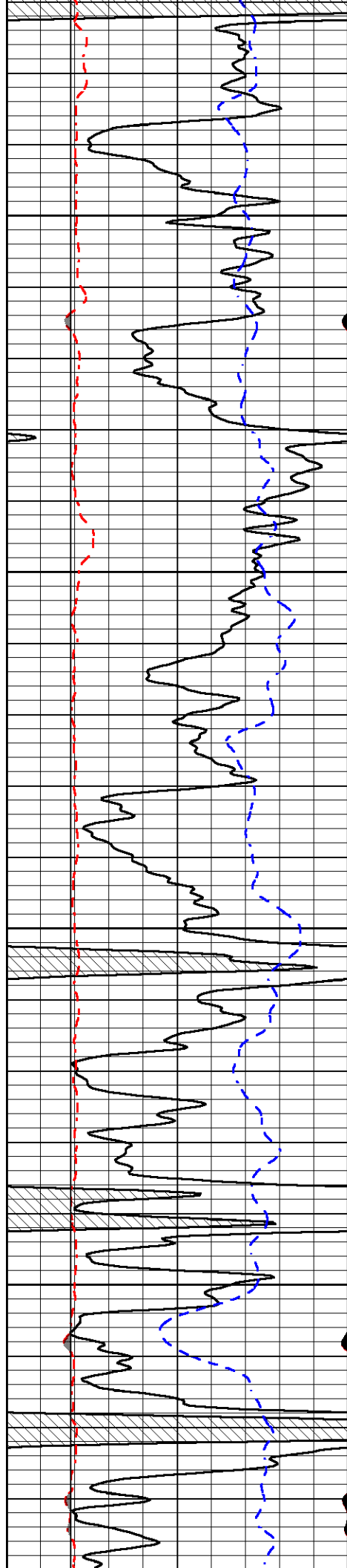
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3950

4000





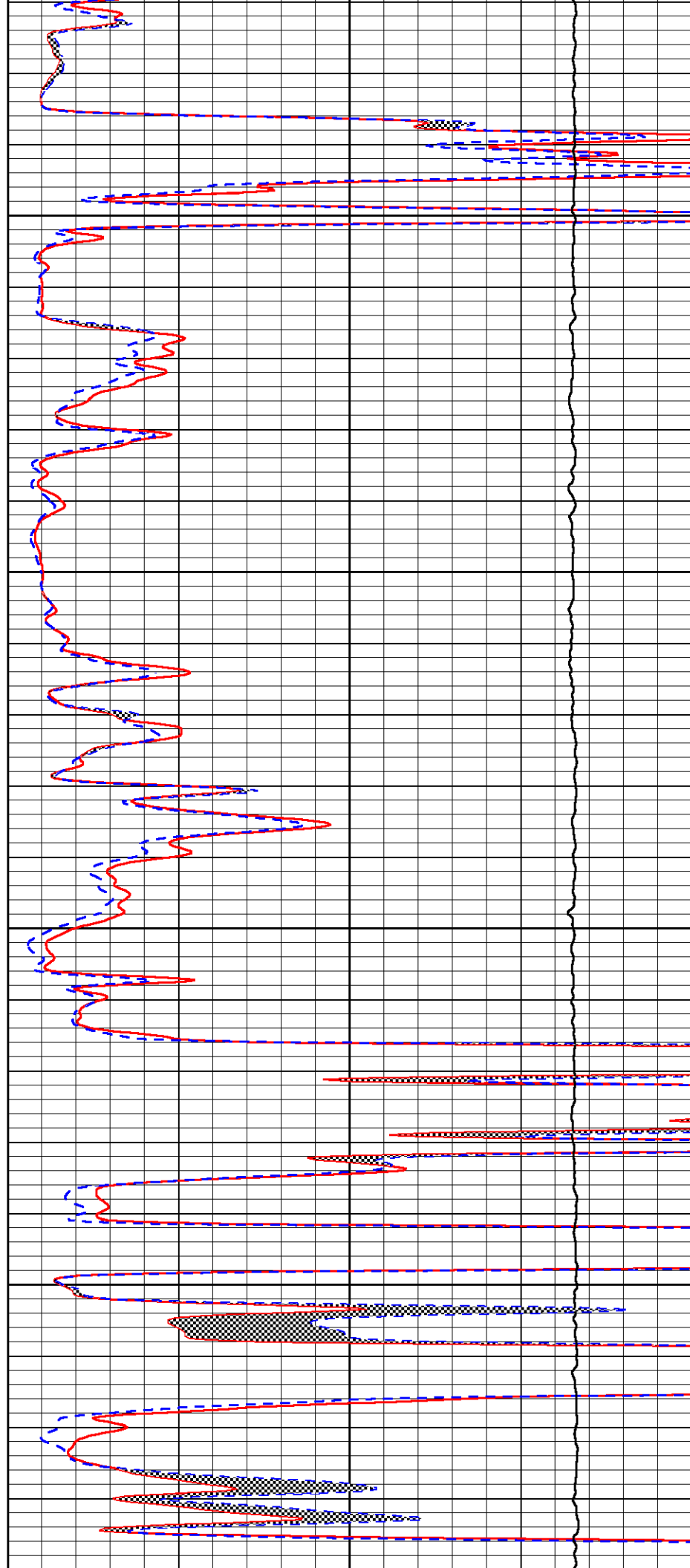


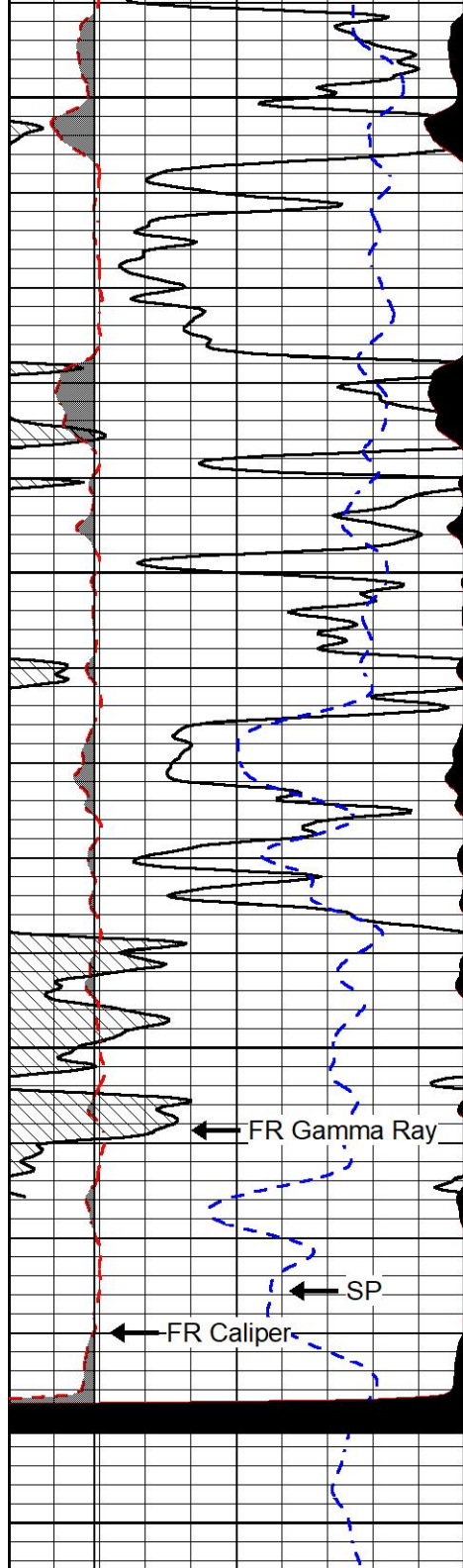
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4300

4350

4400





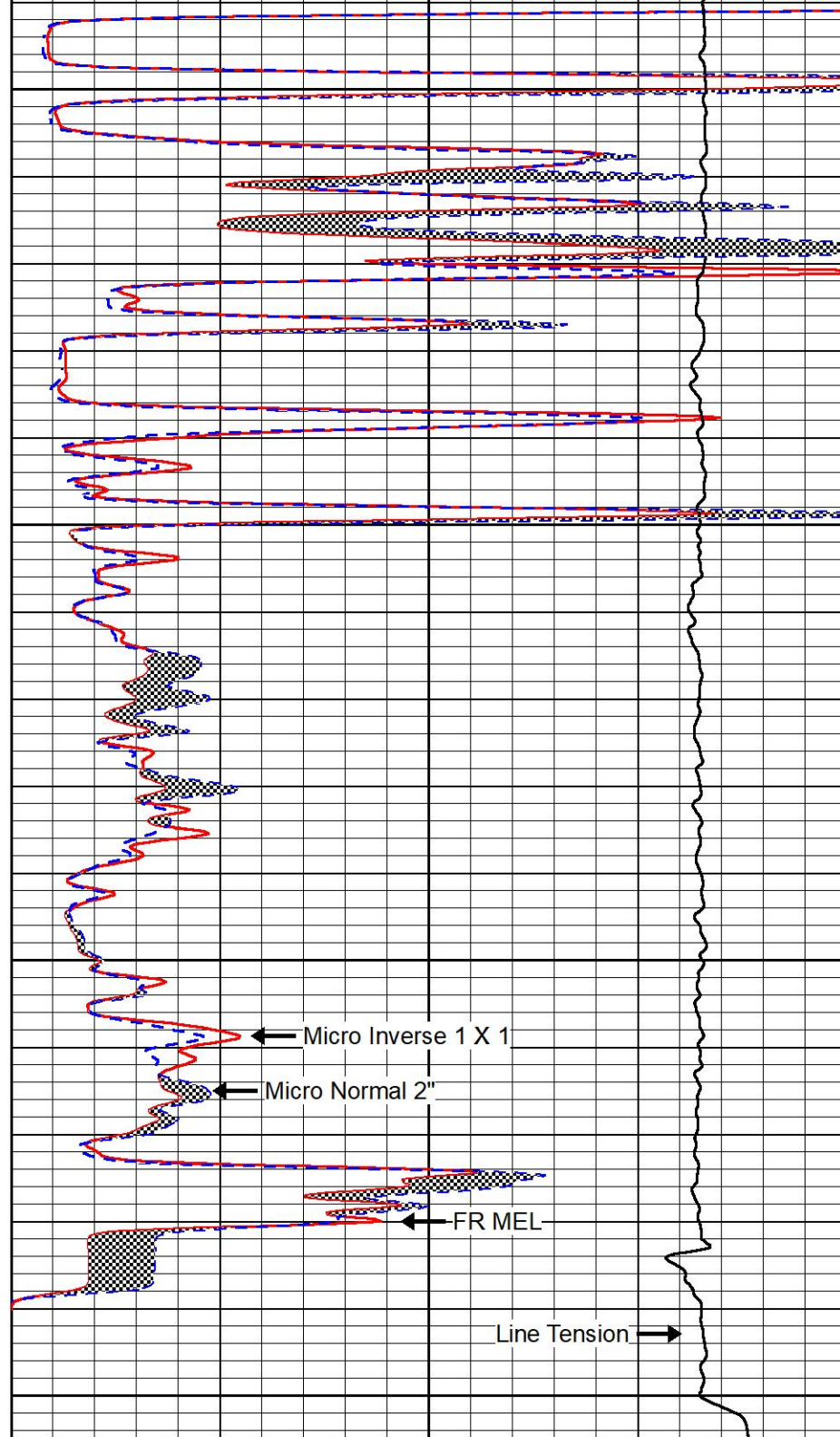
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
-2.875	mcal (in)	7.875
-200	SP (mV)	0

4450

4500

4550

4600



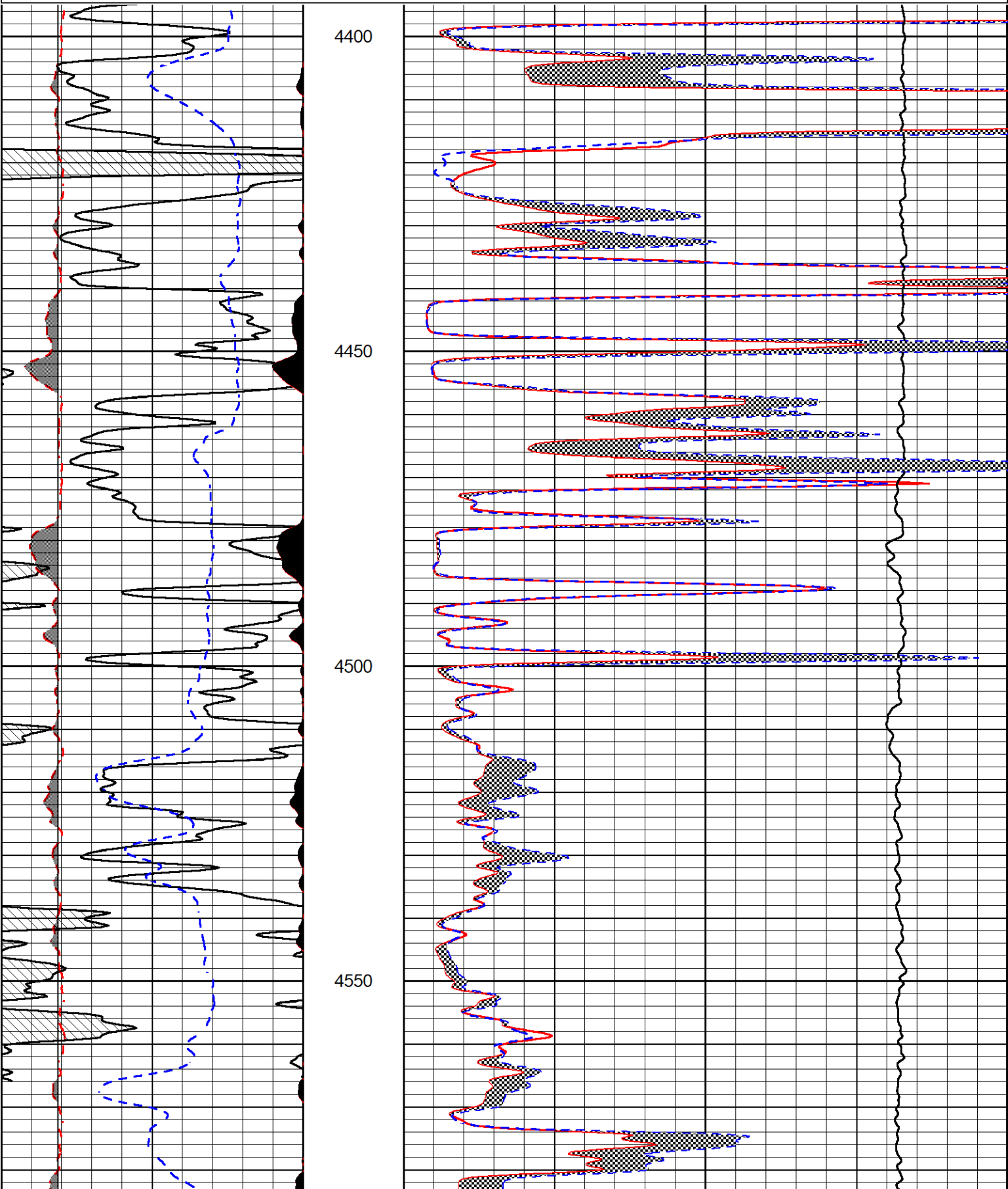
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0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

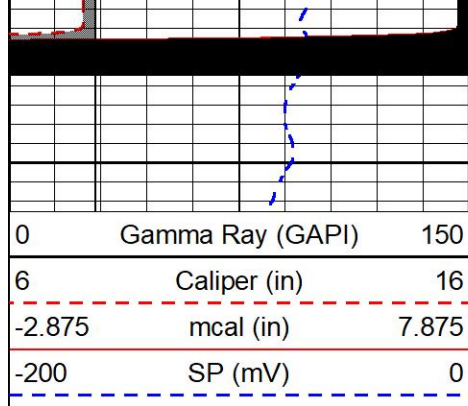


REPEAT SECTION

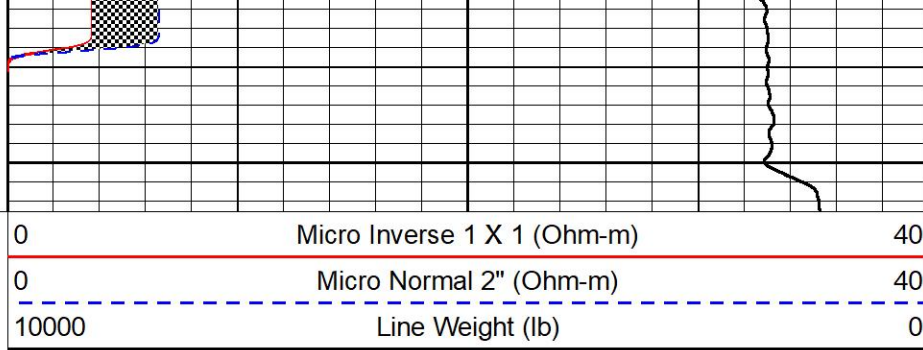
REPEAT PASS

0	Gamma Ray (GAPI)	150	0	Micro Inverse 1 X 1 (Ohm-m)	40
6	Caliper (in)	16	0	Micro Normal 2" (Ohm-m)	40
-2.875	mcal (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0			





4600



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State Kansas