



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Carmen Schmitt, Inc.		Company Carmen Schmitt, Inc.	
Well	Sunray #1-28	Well	Sunray #1-28
Field	Wildcat	Field	Wildcat
County	Greeley	County	Greeley
State	Kansas	State	Kansas
Location: API #: 15-071-20894-00-00		Other Services	
500' FSL & 2310' FWL		CNL/CDL DIL/BHCS	
Permanent Datum	Ground Level	Elevation	3761'
Log Measured From	Kelly Bushing	K.B.	3769'
Drilling Measured From	Kelly Bushing	D.F.	N/A
		G.L.	3761'
Date	6/7/2021		
Run Number	One		
Depth Driller	5230'		
Depth Logger	5236'		
Bottom Logged Interval	5235'		
Top Log Interval	3700'		
Casing Driller	8.625" @ 307'		
Casing Logger	308'		
Bit Size	7.875"		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	6800		
Density / Viscosity	9.1 50		
pH / Fluid Loss	10.0 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.45 @ 67		
Rmt @ Meas. Temp	.34 @ 67		
Rmc @ Meas. Temp	.61 @ 67		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	.23 @ 128		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	128 Deg/F		
Equipment Number	P-24		
Location	HAYS		
Recorded By	J. Henrickson		
Witnessed By	Brad Rine		

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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.

Tribune Kansas
North to D Road, 6 West, 2 South, 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	This Log Record Was Witnessed By
Engineer: J. Henrickson	Primary Witness: Brad Rine
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 124	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m 0	mmho/m 0	mV 290	degF 67	Off	ft 5236

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

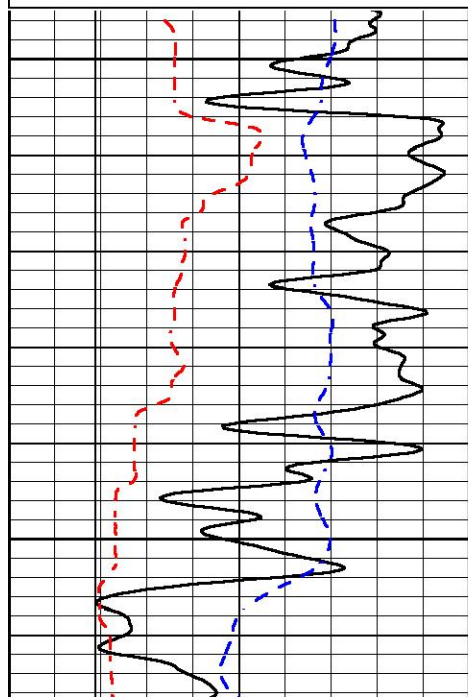
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

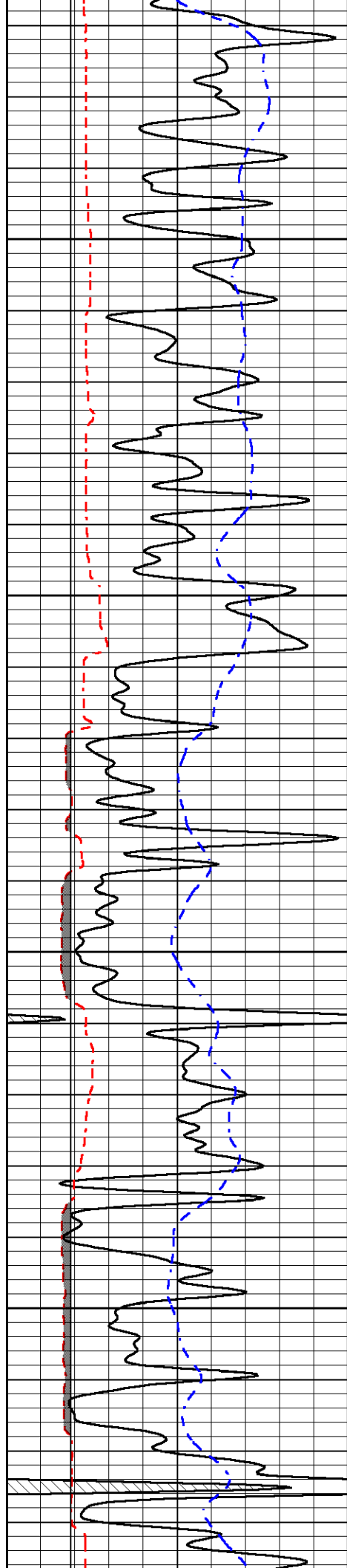
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	44.50		GR-M&W (233-M&W)	3.00	3.50	50.00
CNLSC	41.40		CNT-M&W (207-MW)	5.50	3.50	100.00
CNSSC	40.65					
LSD	32.35		CDL-M&W (817-947)	8.50	4.00	250.00
DCAL	32.33		ML-PSI UDM ML (UDM-01) Stackable Microlog Tools	11.50	4.00	215.00
SSD	31.85					
MCAL	20.87		ML-PSI UDM ML (UDM-01) Stackable Microlog Tools	11.50	4.00	215.00
MI	20.87					
MN	20.87					
RLL3F	15.80					

Tool Joint	Length (ft)	Weight (lb)	O.D. (in)	Notes
RLL3	15.80			
CILD	8.00			
CILM	4.70			
SP	0.20			
Dataset: carmen_schmitt_sunray_1_28.db: field/well/stackml/pass4.1 Total length: 47.00 ft Total weight: 835.00 lb O.D.: 4.00 in				

MAIN PASS

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



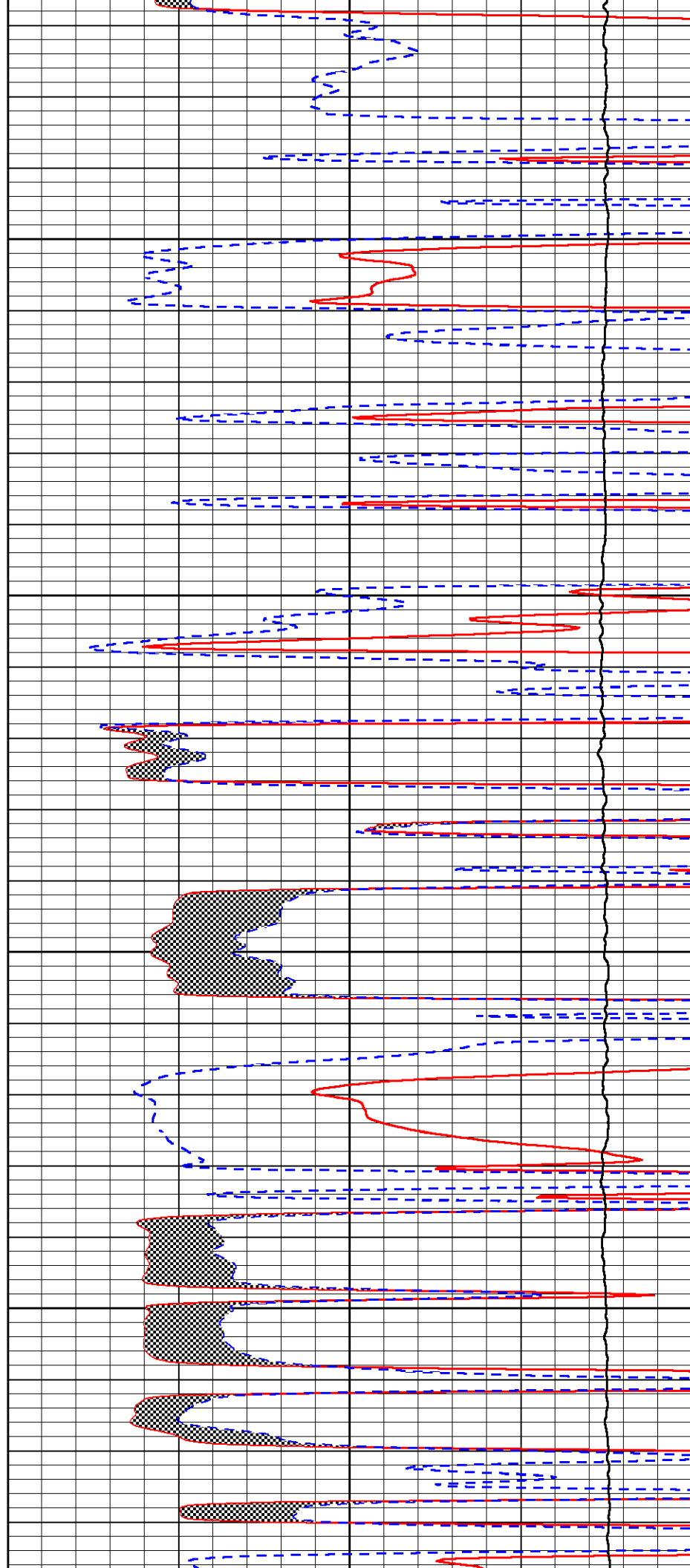


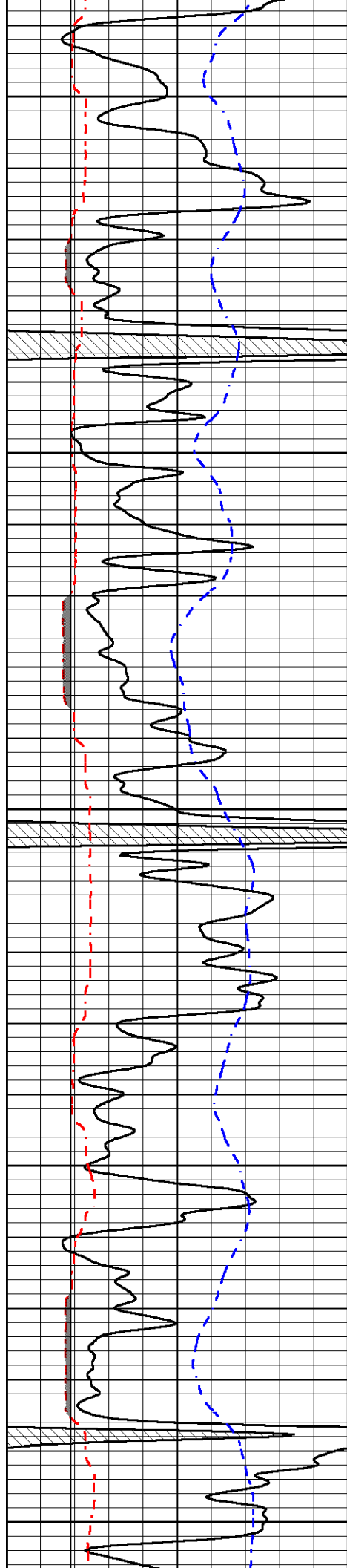
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3850

3900

3950





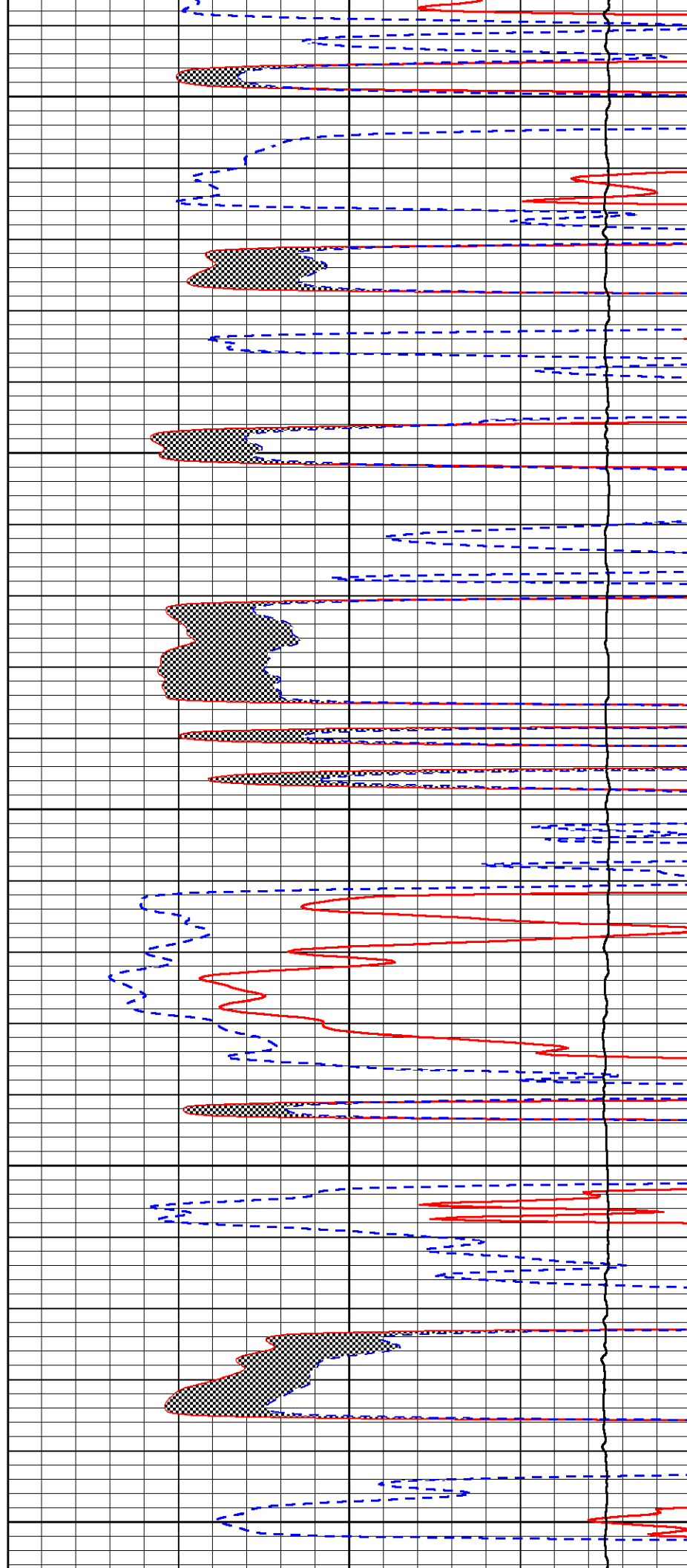
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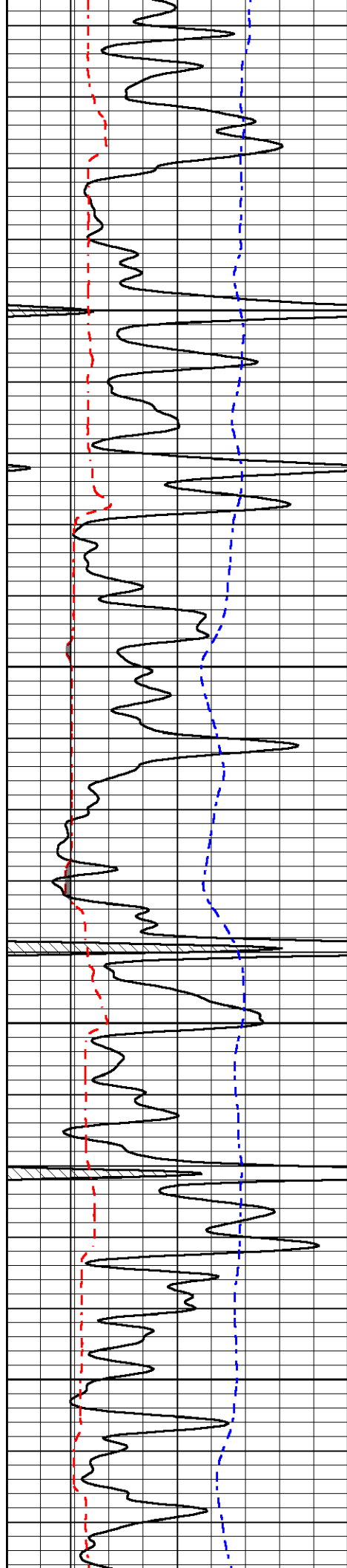
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4100

4150

4200



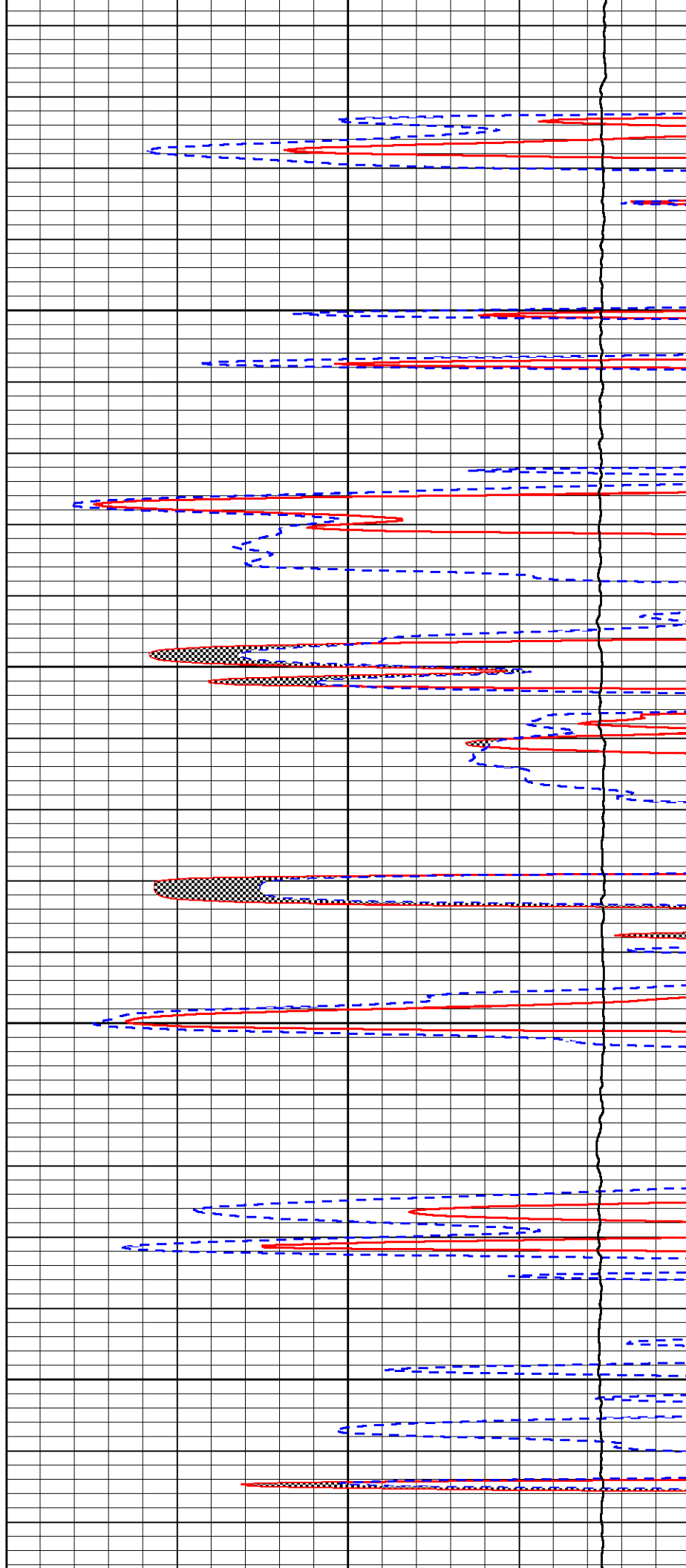


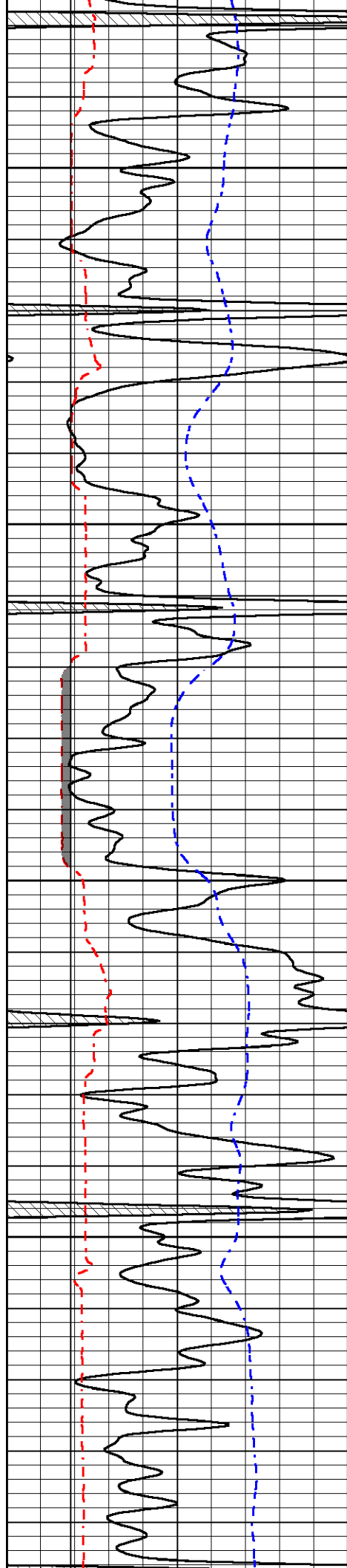
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4350

4400



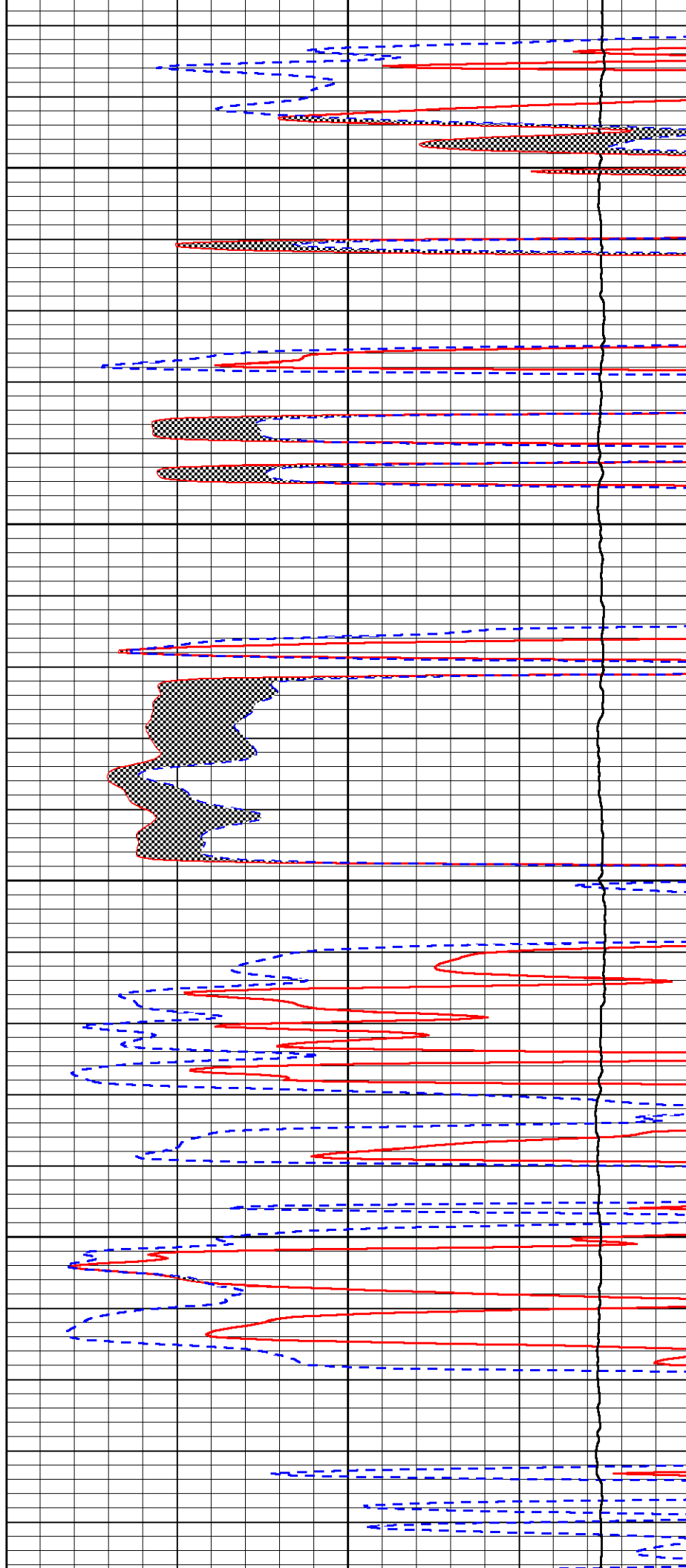


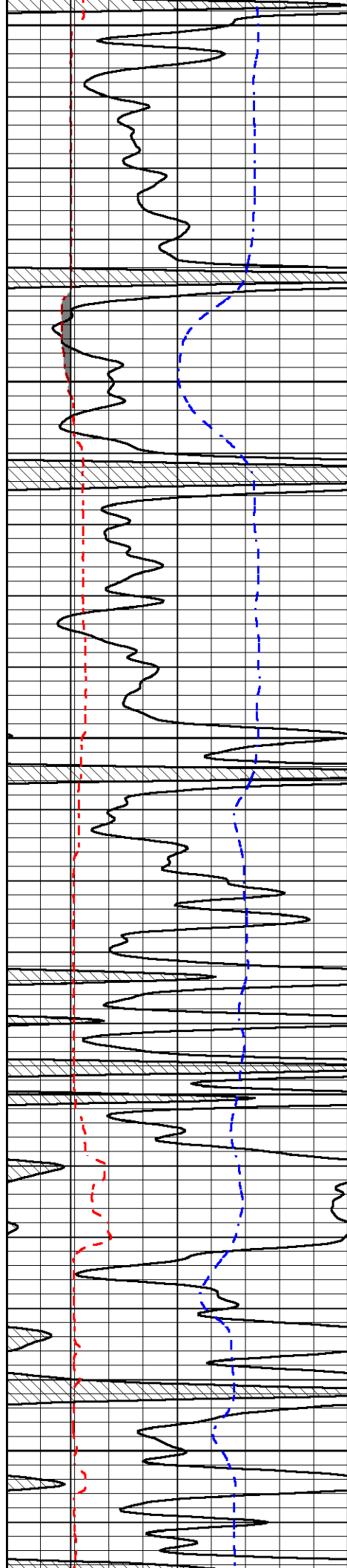
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4600





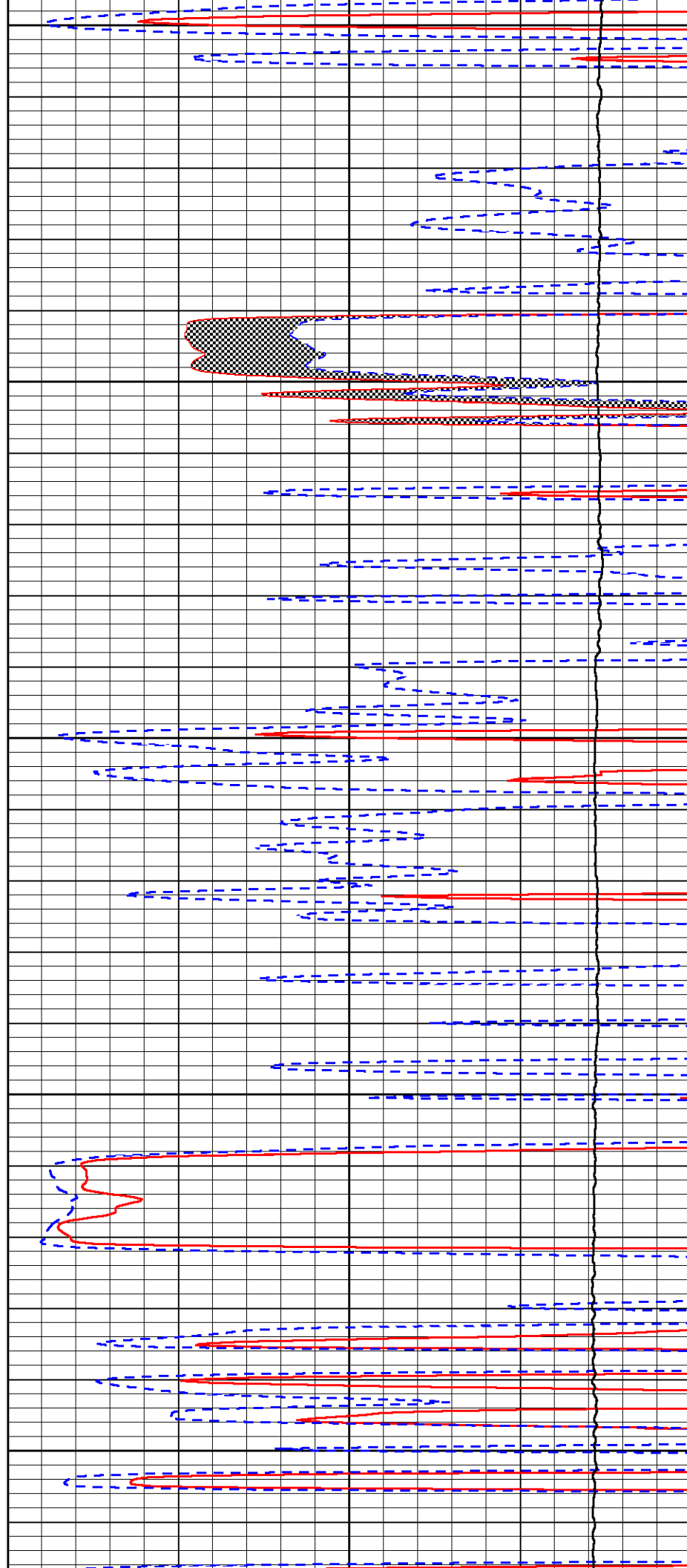
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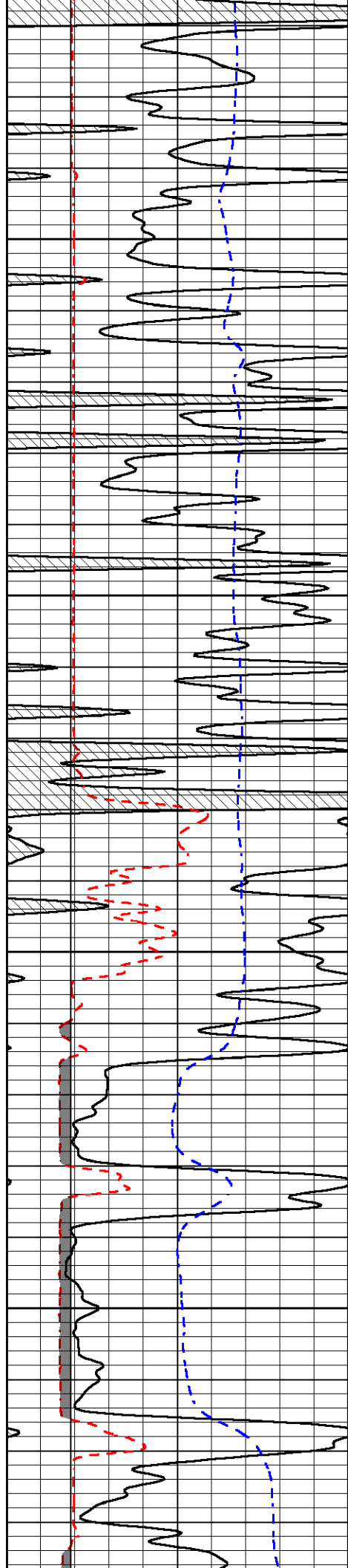
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4800

4850



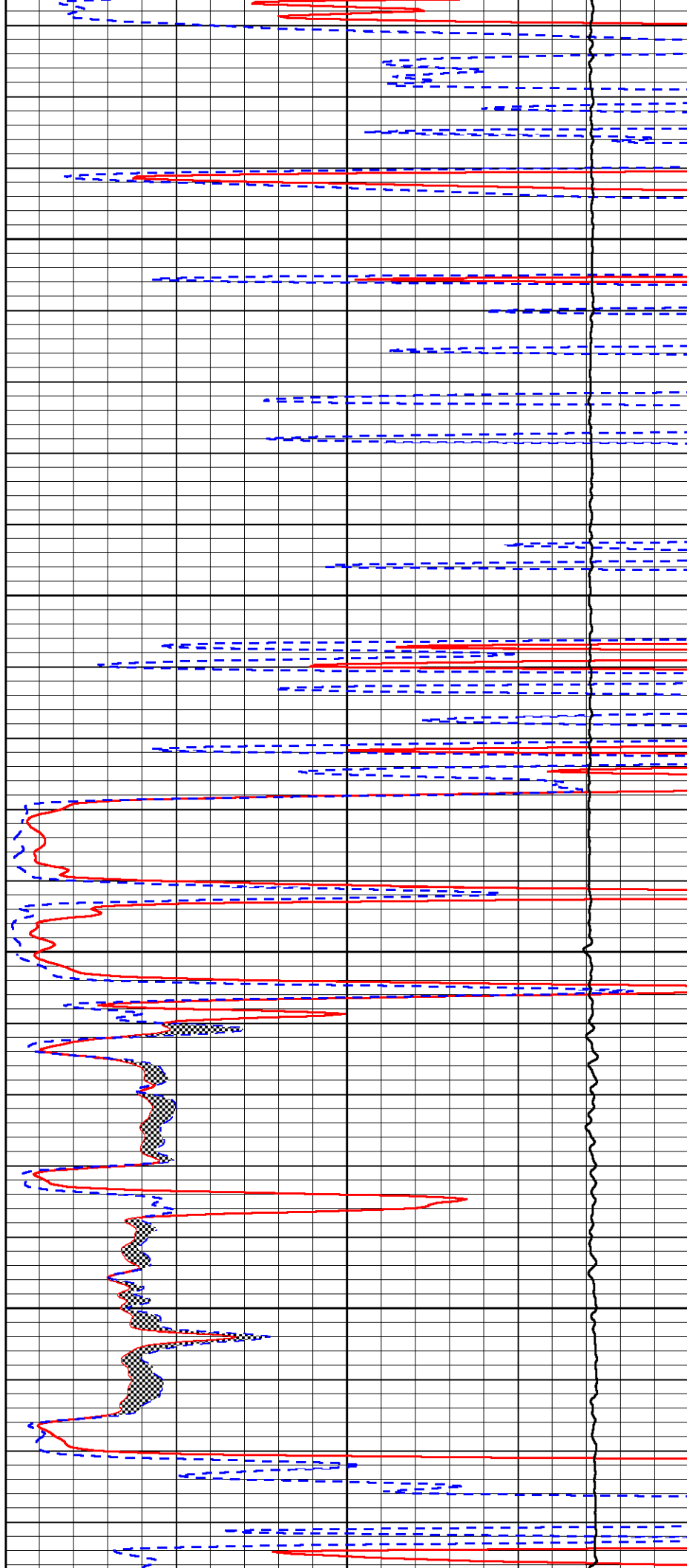


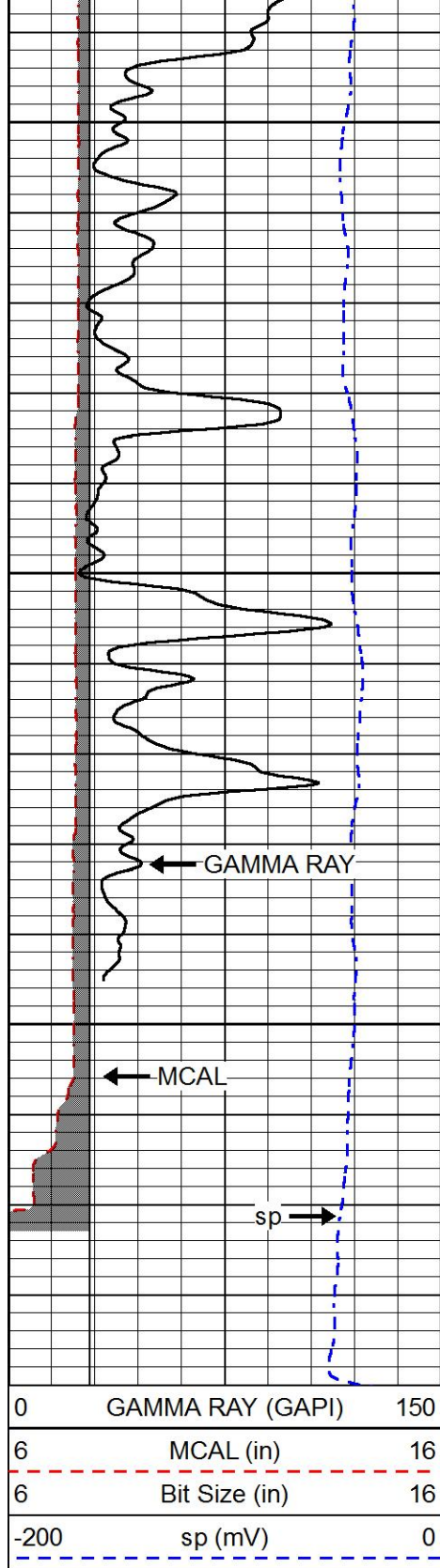
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4950

5000

5050

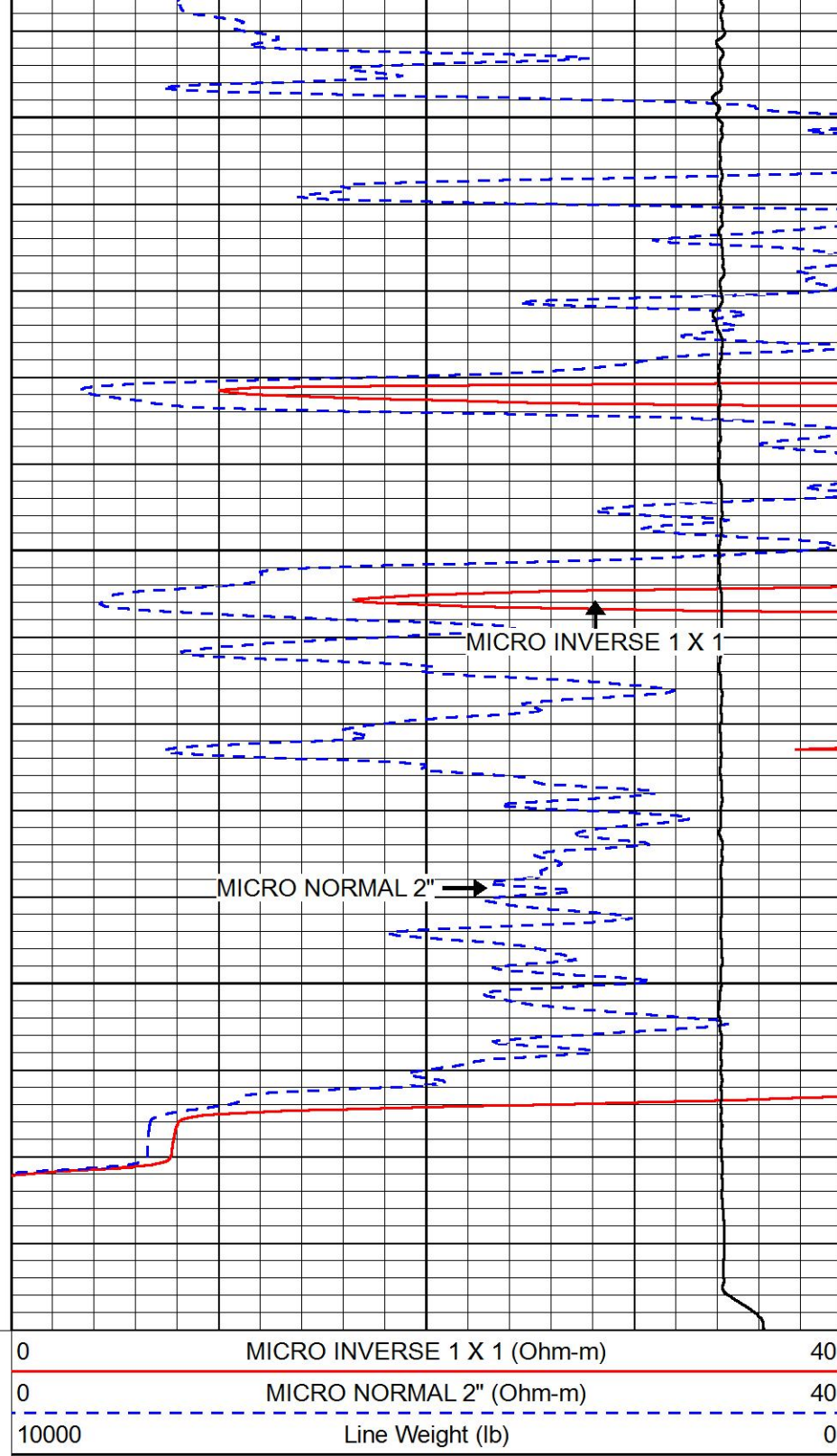




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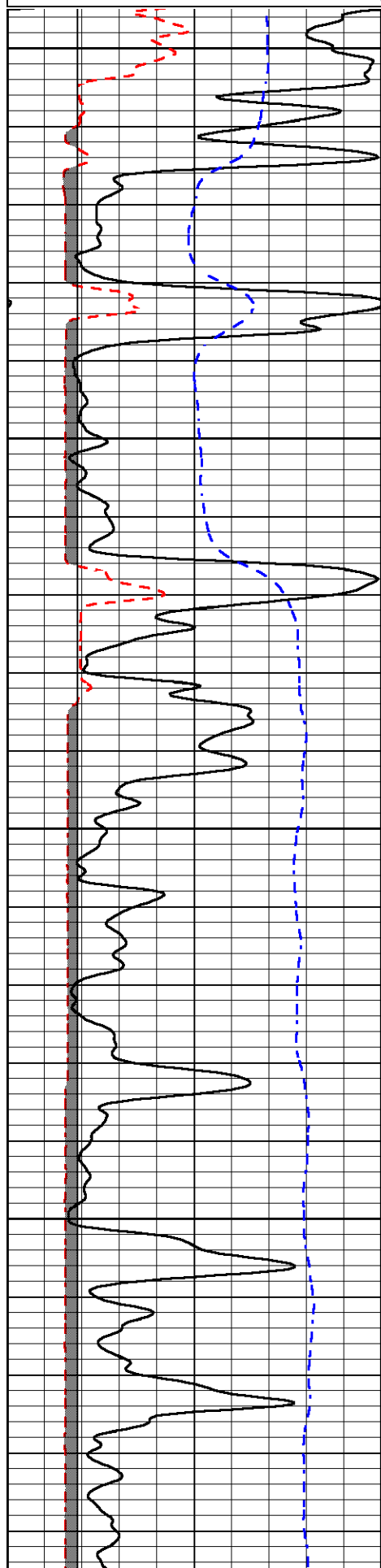
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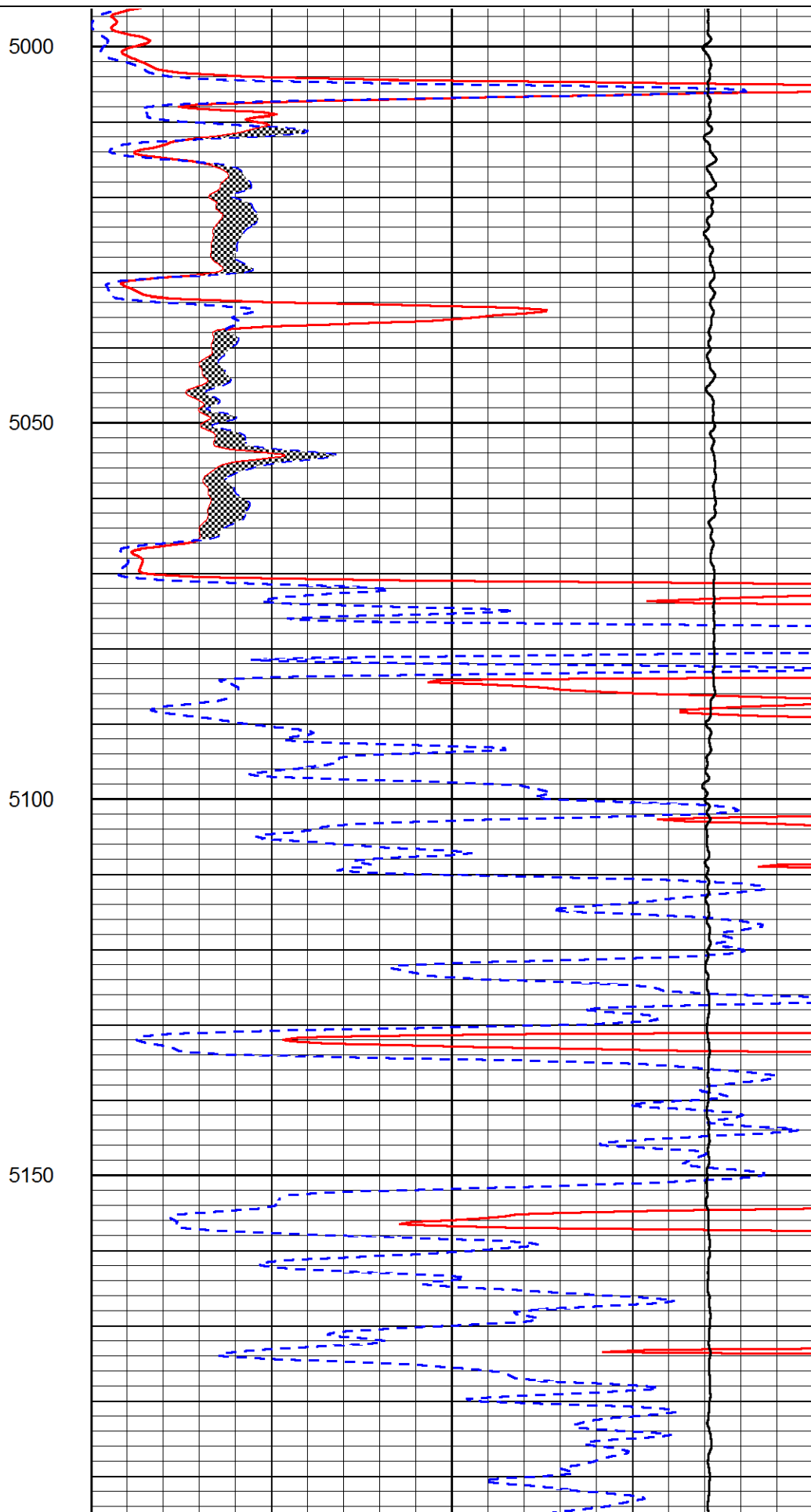
REPEAT SECTION

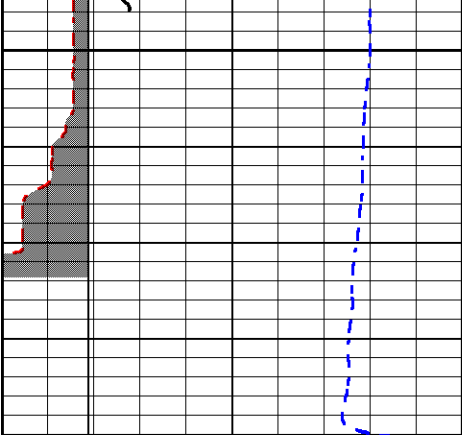
Database File carmen_schmitt_sunray_1_28.db
 Dataset Pathname stackml/pass2.1
 Presentation Format _micro
 Dataset Creation Tue Jun 08 00:13:22 2021
 Charted by Depth in Feet scaled 1:240

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

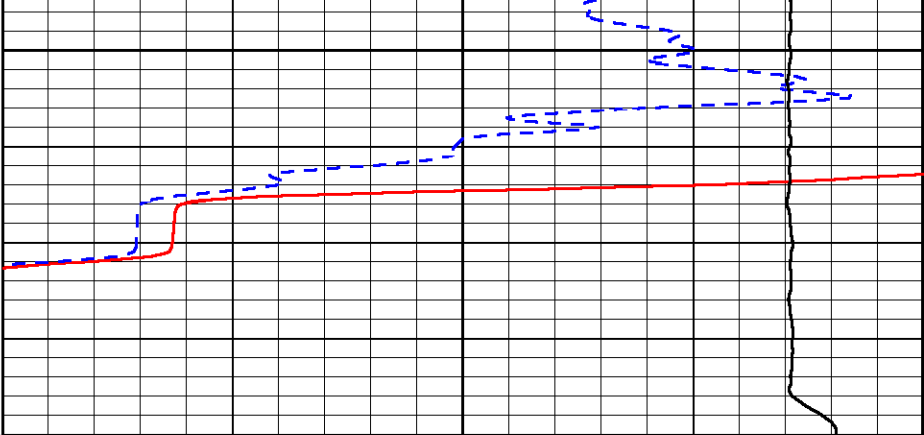


0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0





5200



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