



MICRORESISTIVITY LOG

MIDWEST WIRELINE

Company Berexco, LLC
Well Anderson #2-28
Field Amazon Ditch East
County Finney
State Kansas

Company Berexco, LLC
Well Anderson #2-28
Field Amazon Ditch East
County Finney State Kansas

Location: API #: 15-055-22617-00-00

2146 FNL & 868 FEL

SEC 28 TWP 22S RGE 34W

Permanent Datum Ground Level Elevation 2946
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL/BHCS
Elevation
K.B. 2959
D.F.
G.L. 2946

Date 9/12/2024

Run Number One

Depth Driller 4900

Depth Logger 4897

Bottom Logged Interval 4896

Top Log Interval 3700

Casing Driller 8.625 @ 1686

Casing Logger 1700

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1030

Density / Viscosity 9.2 89

pH / Fluid Loss 9.5 8.4

Source of Sample FLOWLINE

Rm @ Meas. Temp 0.92 @ 86

Rmf @ Meas. Temp 0.69 @ 86

Rmc @ Meas. Temp 1.24 @ 86

Source of Rmf / Rmc CHARTS

Rm @ BHT 0.63 @ 125

Operating Rig Time 5 Hours

Max Rec. Temp. F 125

Equipment Number 110

Location HAYS

Recorded By D. Schmidt

Witnessed By Pete Vollmer

<<< 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.

Scott City,
South On Hwy 83 to W Barlow Rd,
West to N Big Low Rd, 1 South, 3 West, 1/4 South,
West into

Log Measured From: Kelly Bushing

13 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: Pete Vollmer
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	125	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		4	-1	155	90		4897

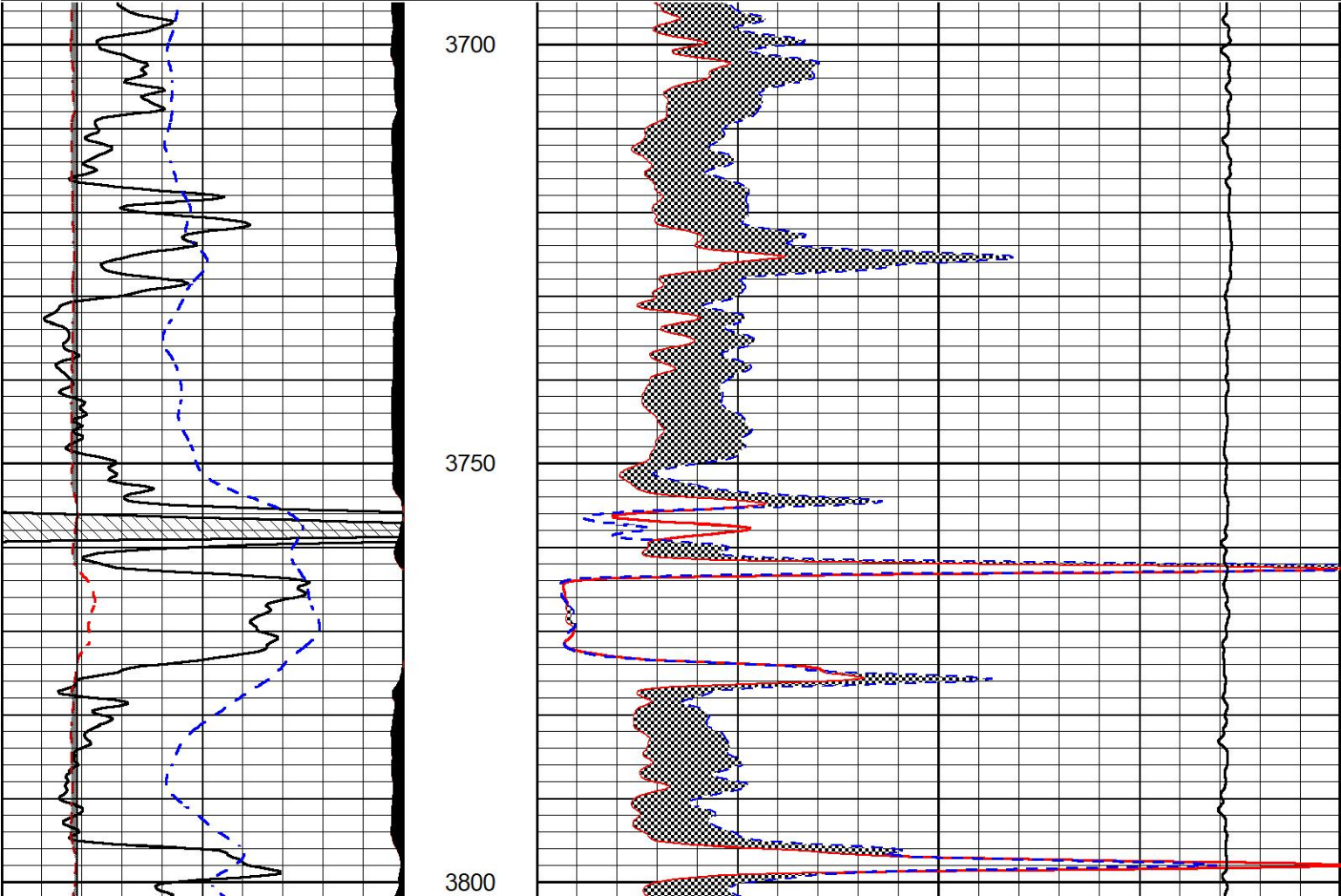


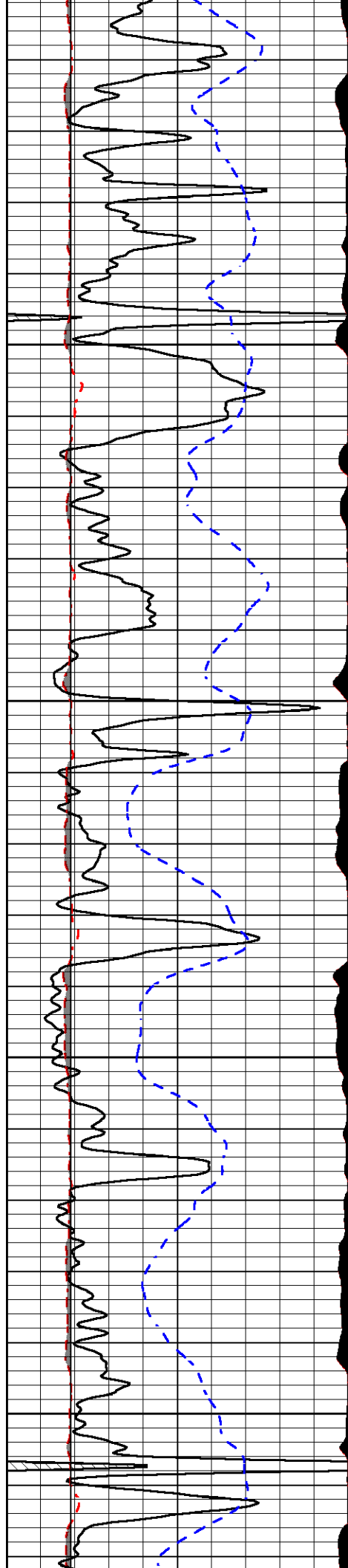
DETAIL SECTION

MAIN PASS

Database File berexco_anderson 2-28.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Thu Sep 12 21:58:43 2024
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0	Micro Inverse 1 X 1 (Ohm-m)	20
6	Micro Caliper (in)	16	0	Micro Normal 2" (Ohm-m)	20
2.875	mccl (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0			



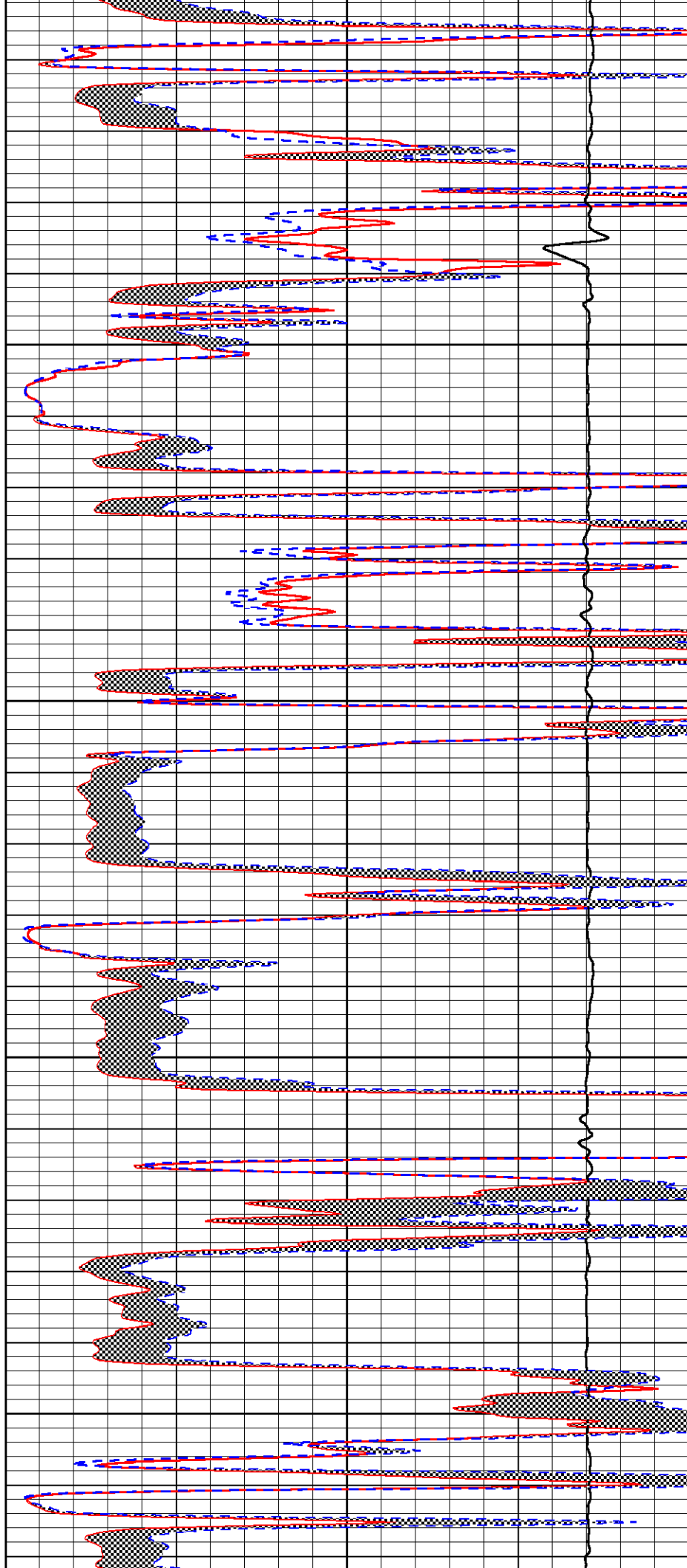


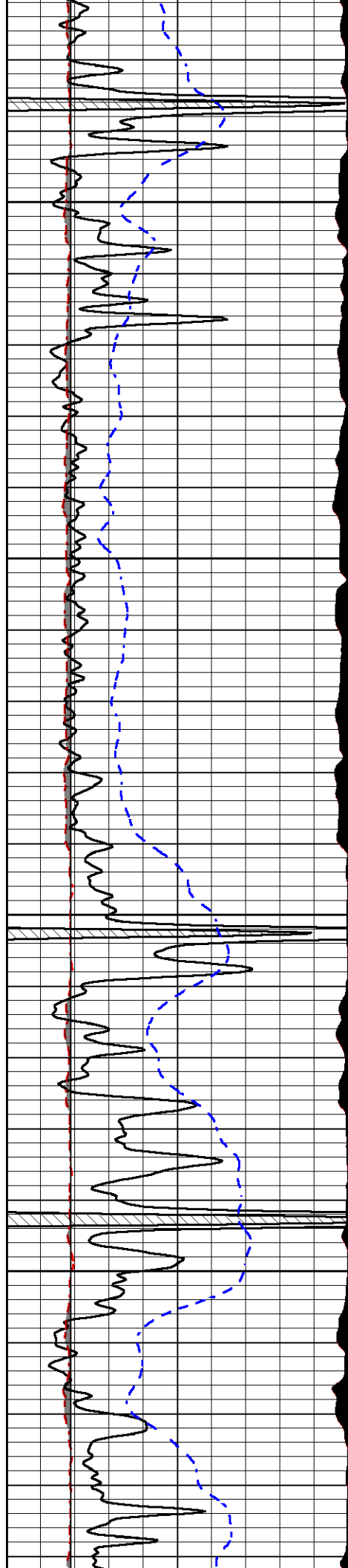
3850

3900

3950

4000



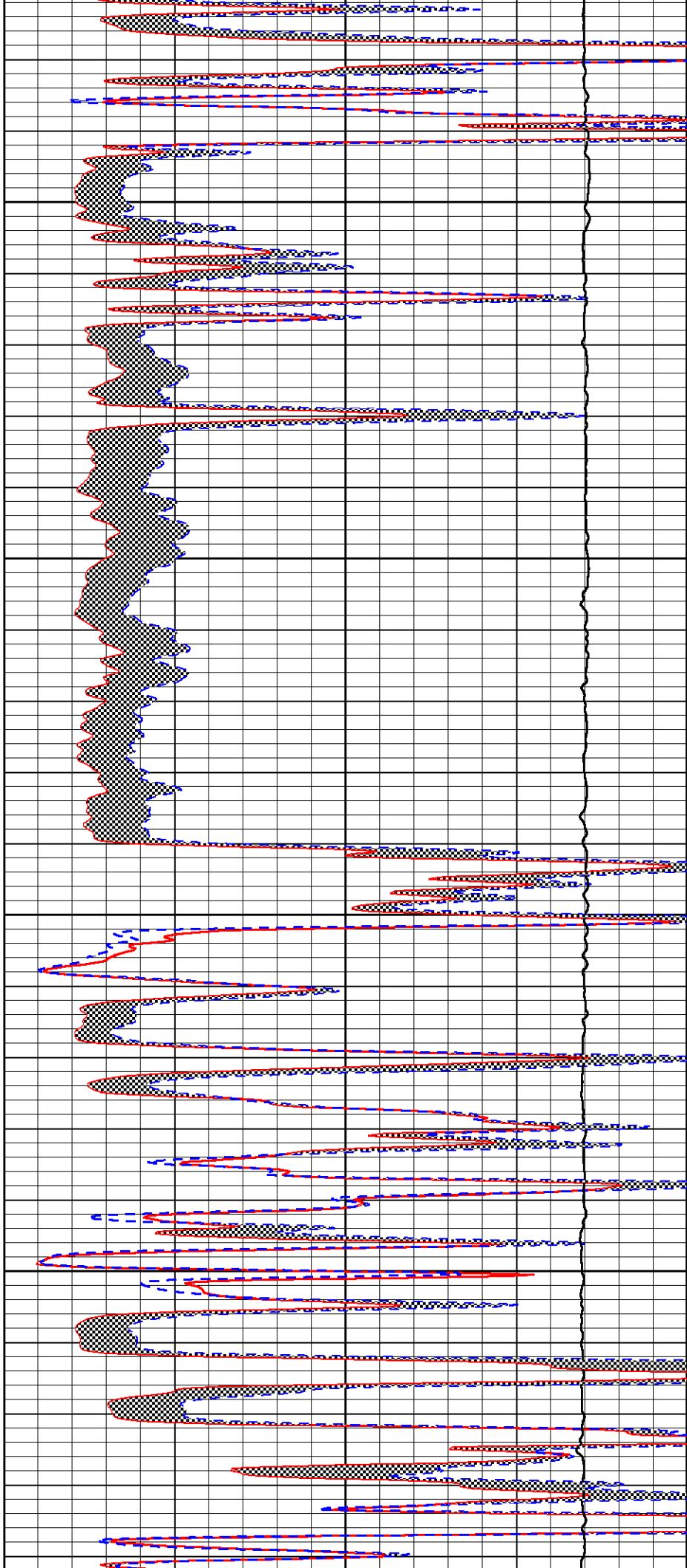


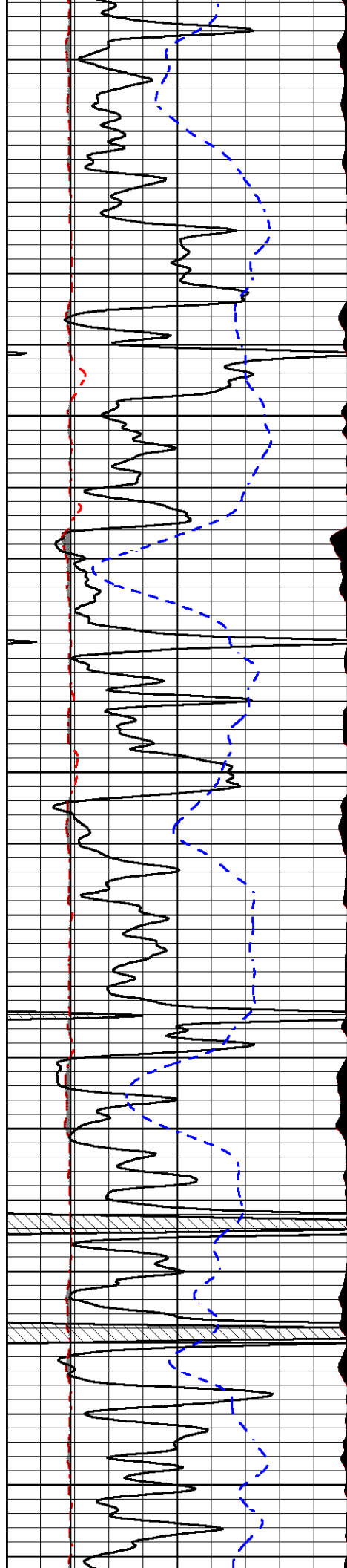
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4100

4150

4200





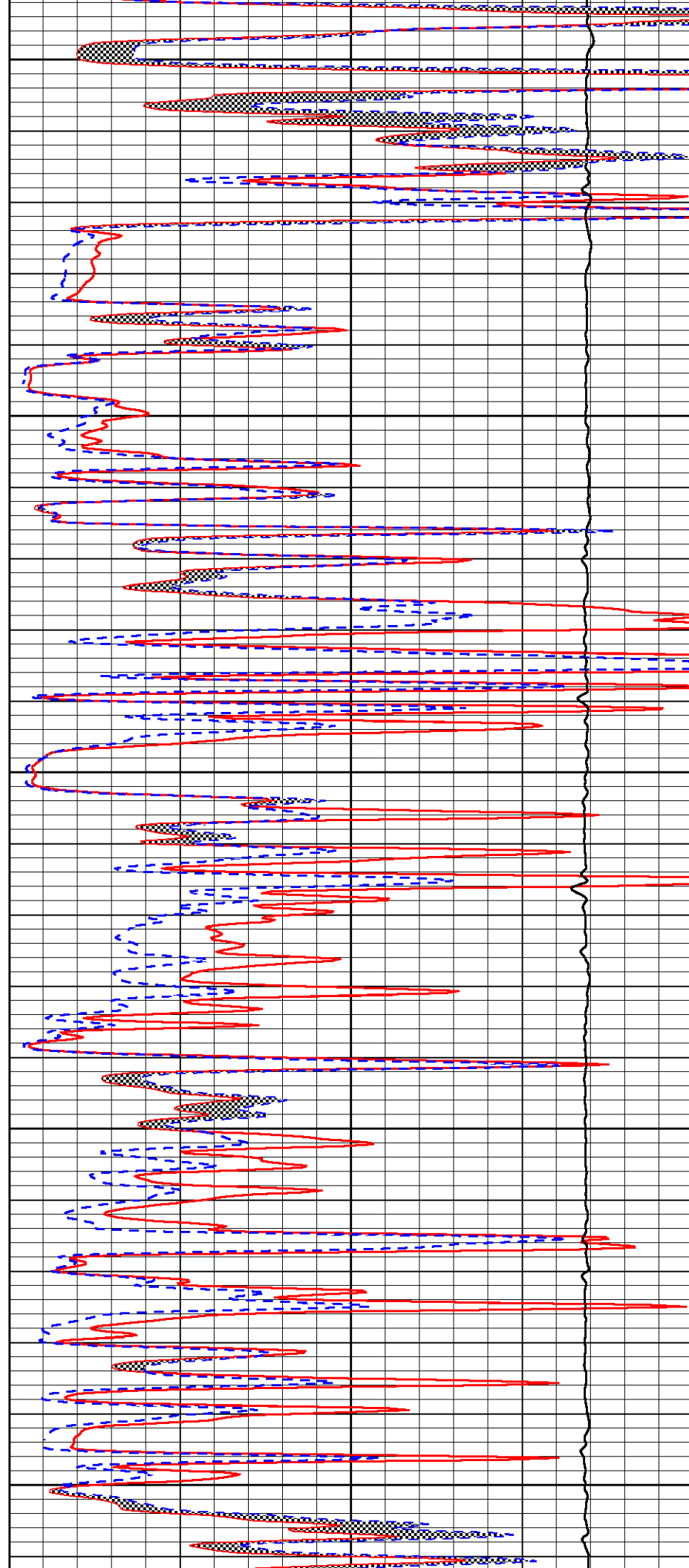
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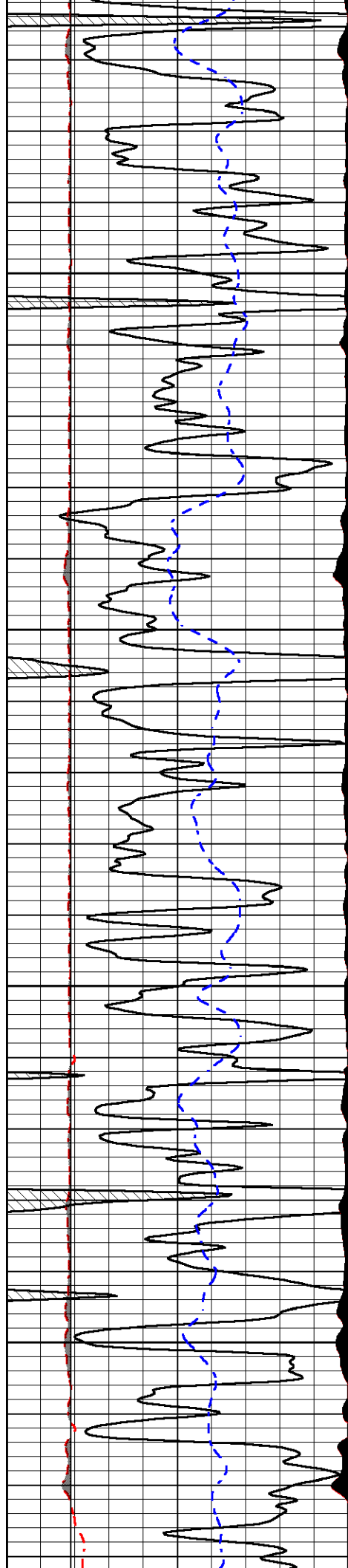
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4350

4400

4450



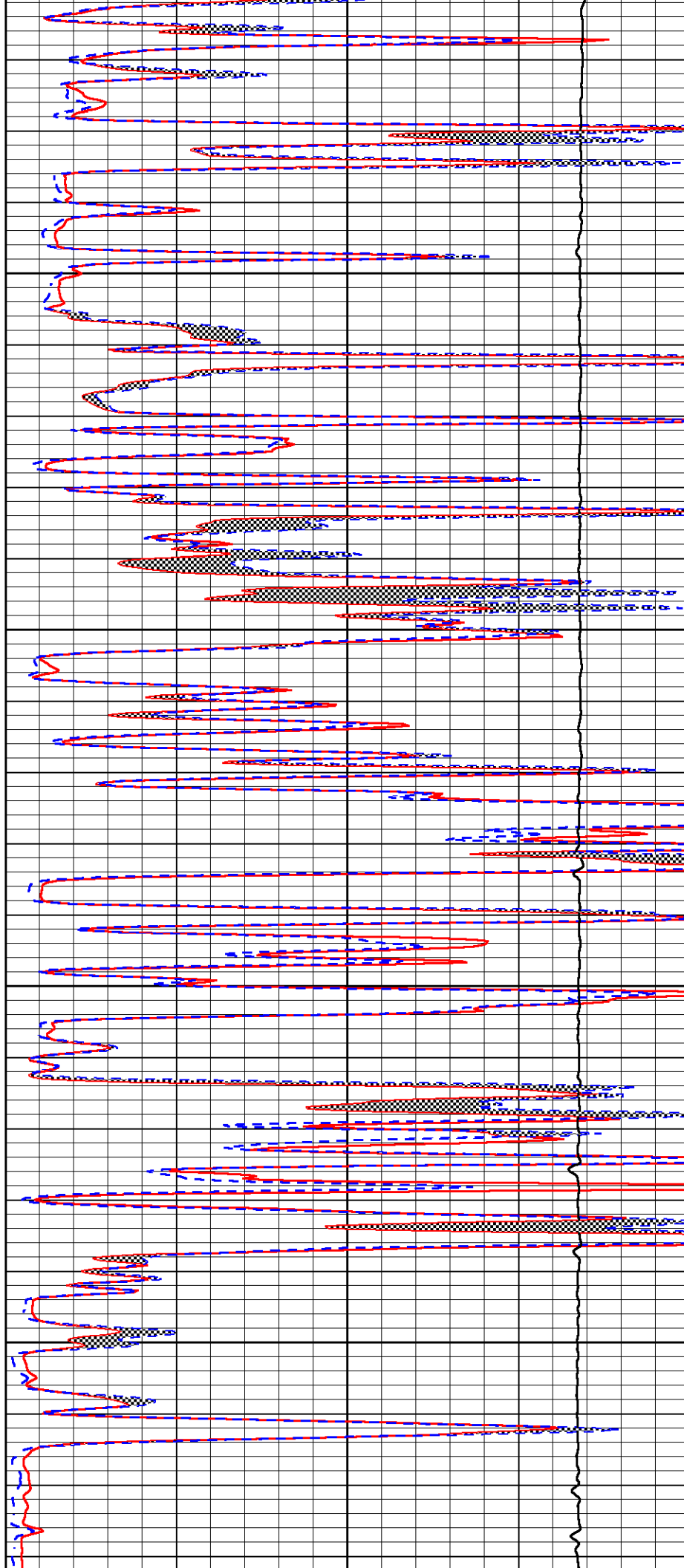


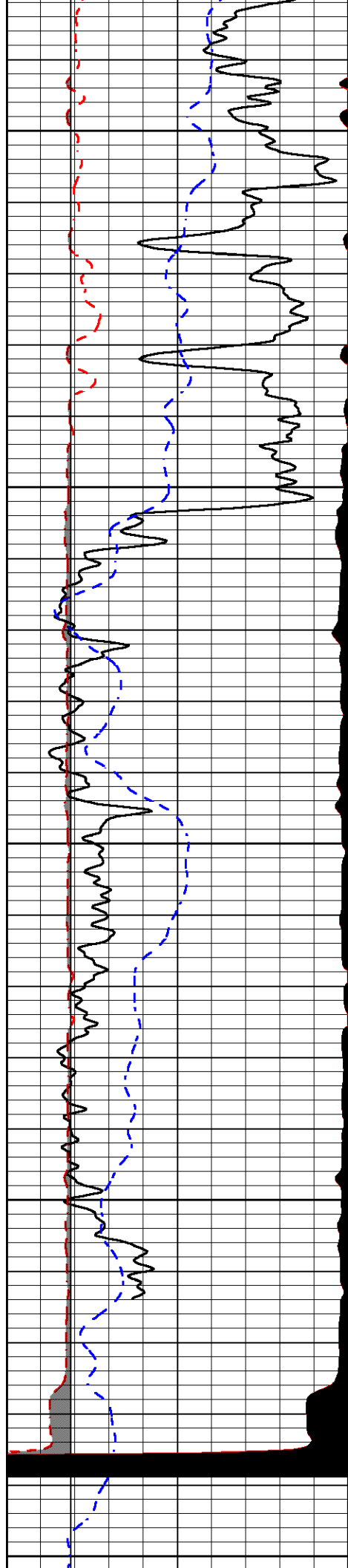
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4550

4600

4650





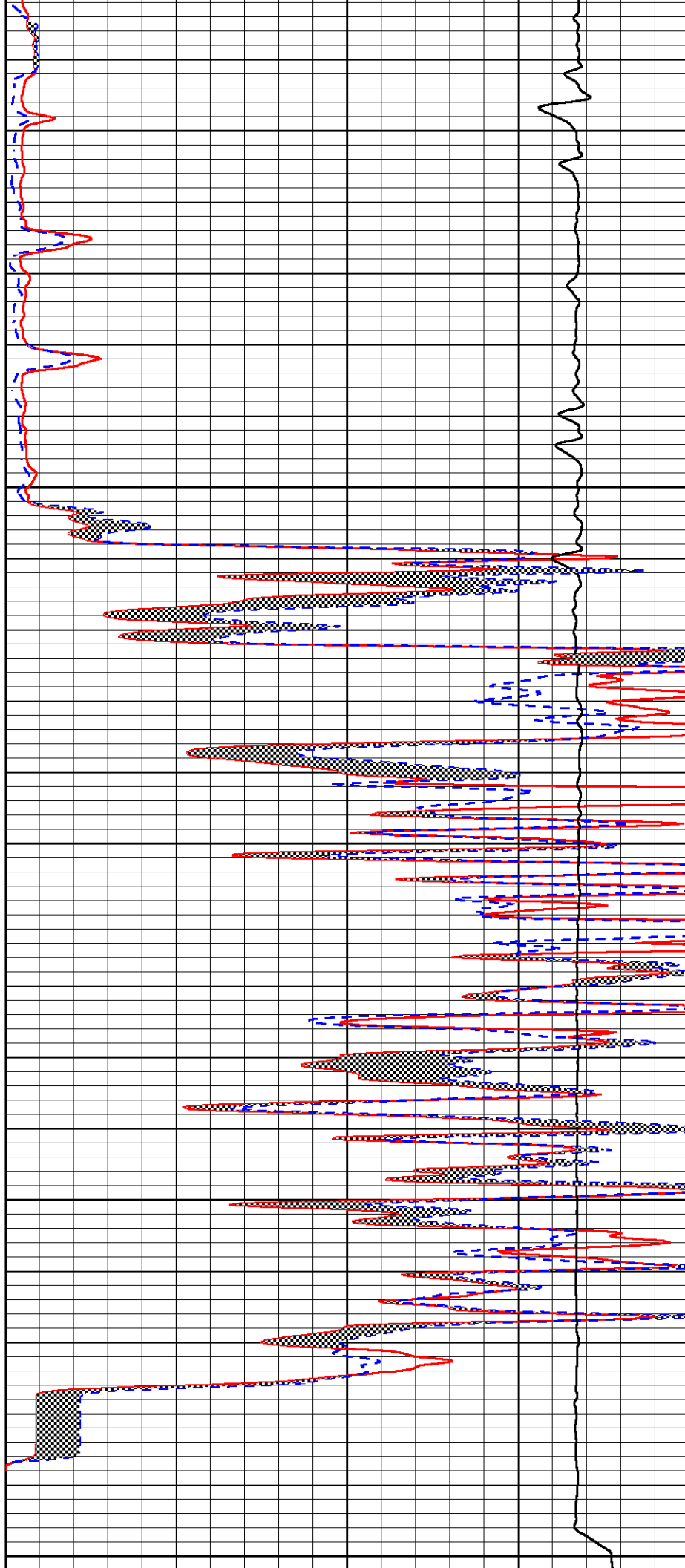
4700

4750

4800

4850

4900



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)	20
0	Micro Normal 2" (Ohm-m)	20
10000	Line Weight (lb)	0



REPEAT SECTION

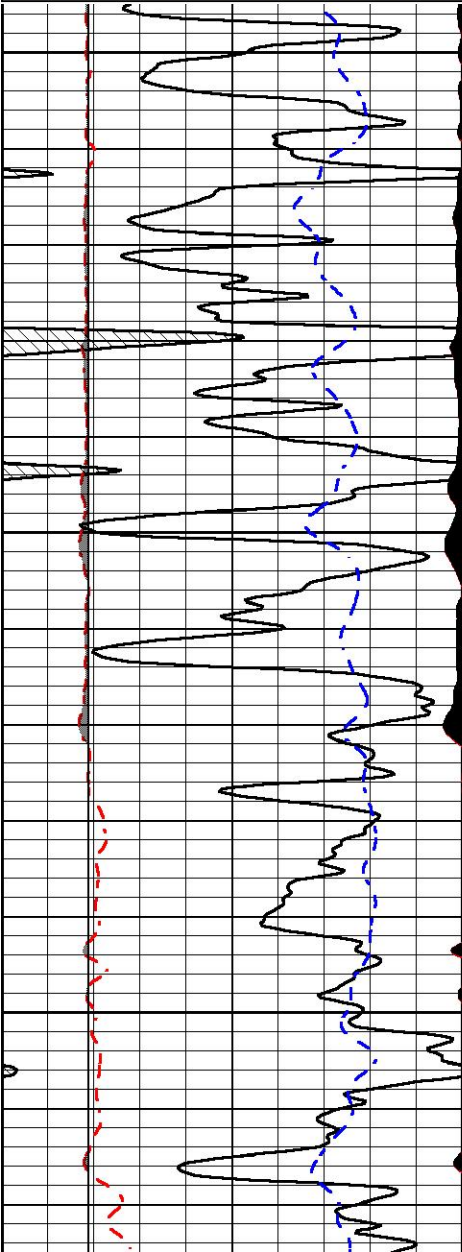
REPEAT PASS

Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

berexco_anderson 2-28.db
stkml/pass2.1
_micro
Thu Sep 12 21:43:50 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

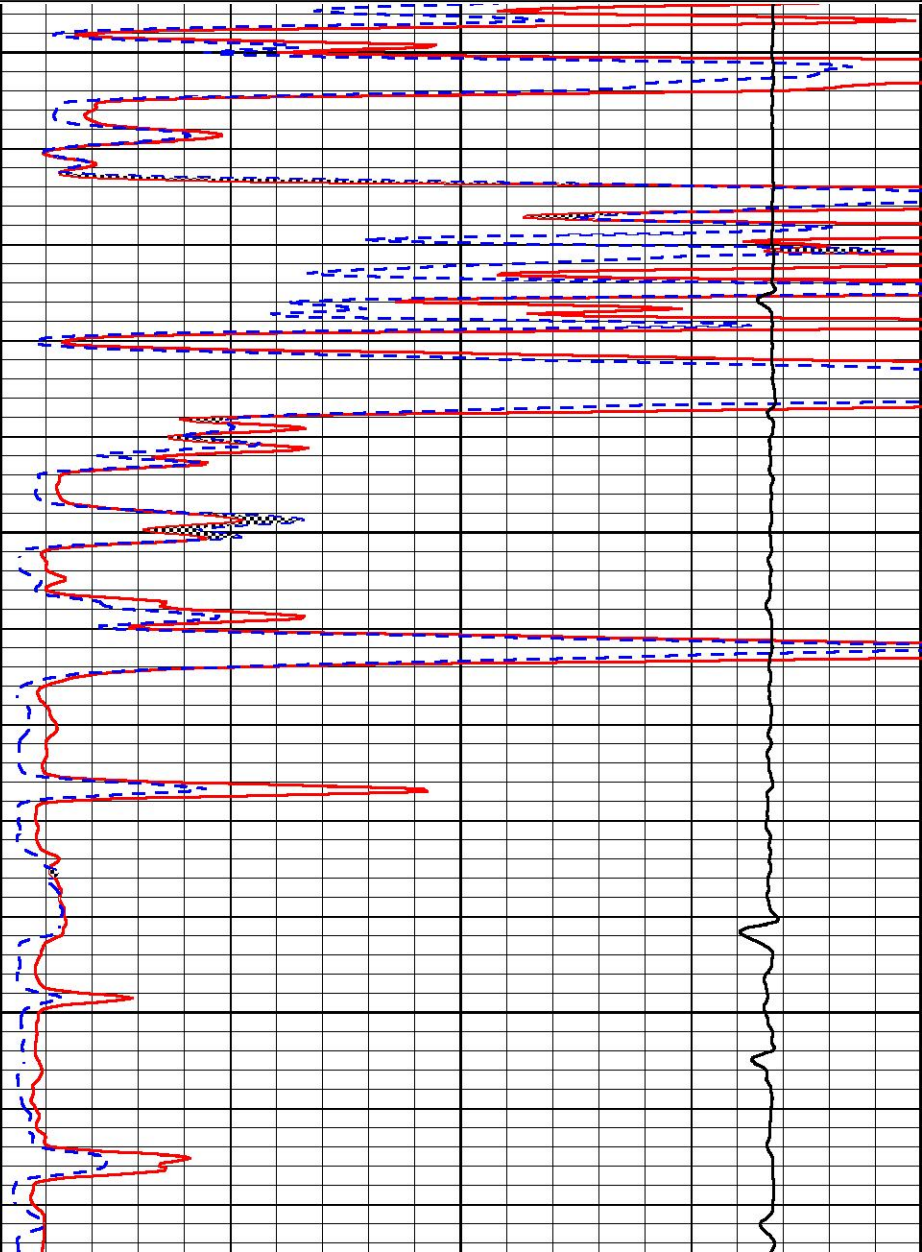
0	Micro Inverse 1 X 1 (Ohm-m)	20
0	Micro Normal 2" (Ohm-m)	20
10000	Line Weight (lb)	0

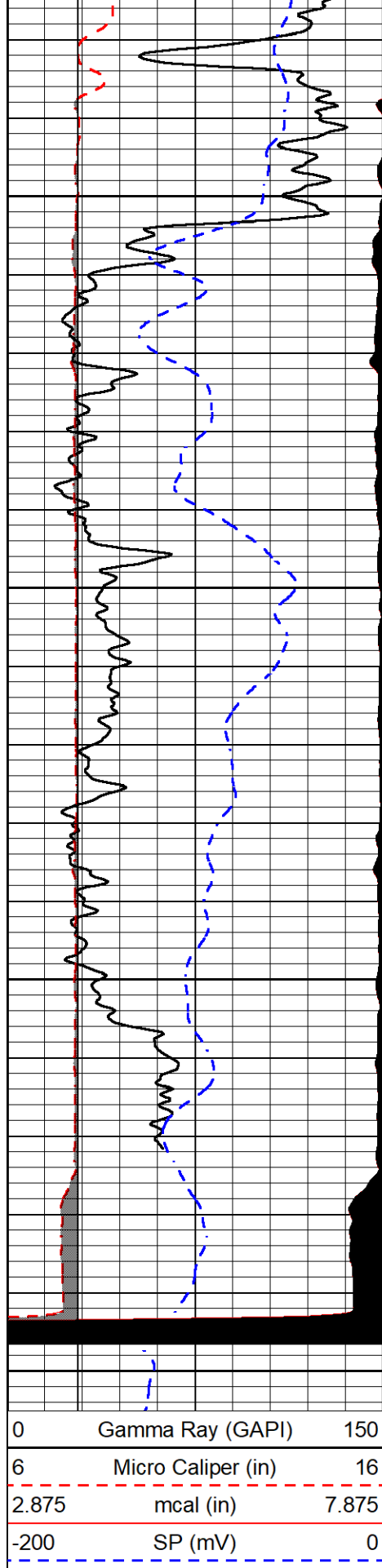


4600

4650

4700



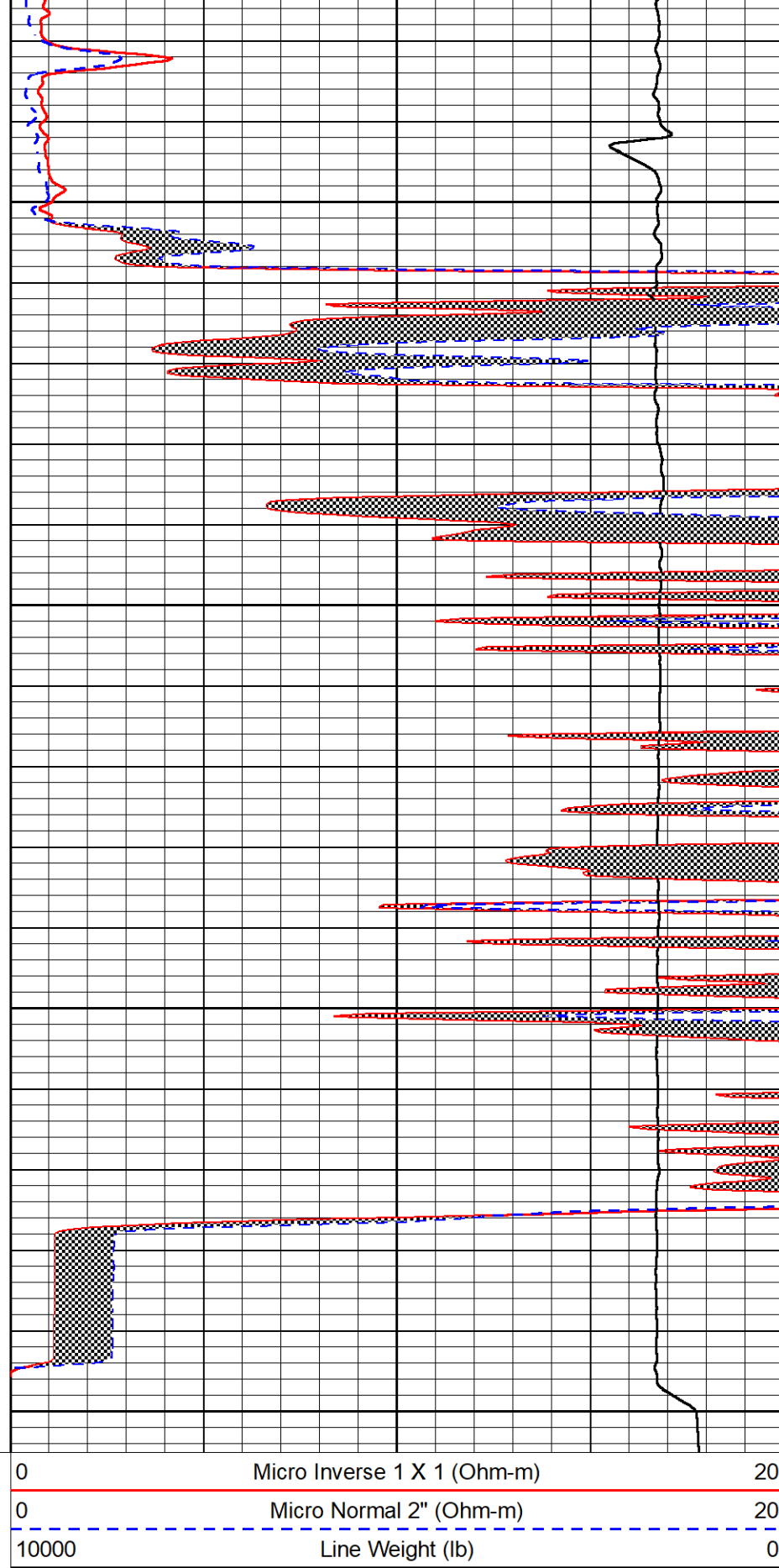


4750

4800

4850

4900



Calibration Report

Database File berexco_anderson 2-28.db
 Dataset Pathname stkml/pass3.1
 Dataset Creation Thu Sep 12 21:58:43 2024

Dual Induction Calibration Report								
Serial-Model: Surface Cal Performed:				508A-M&W Thu Aug 29 21:13:42 2024				
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	84.200	428.150		0.000	255.800	mmho/m	0.485	-50.000
Medium	141.000	670.654		0.000	255.800	mmho/m	0.410	-43.500
Microlog Calibration Report								
Serial-Model: Performed:				402-PSI STKBL ML Thu May 30 05:58:00 2024				
Readings			References			Results		
	Zero	Cal		Zero	Cal		m	b
Normal	0.0037	0.0043		0.0000	10.0000	Ohm-m	6500.0000	-0.2000
Inverse	0.1208	0.0013		0.0000	10.0000	Ohm-m	6500.0000	0.0000
Caliper	1.0046	1.1419		5.5000	20.0000	in	50.0000	-44.5500
LITHODENSITY Calibration Report								
Serial Number:		703-03						
Tool Model:		STEP LITHO Short						
Performed:		Fri May 31 13:59:15 2024						
Source:								
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8
Background:								
SS:	56	59	223	276	25	75	46	1 cps
LS:	83	90	344	441	51	132	90	3 cps
Aluminum:								
SS:	1063	1260	2893	2631	48	80	48	3 cps
LS:	1179	2084	3854	1823	62	133	86	5 cps
Magnesium:								
SS:	1756	2035	4740	3894	55	79	49	4 cps
LS:	4981	8390	15059	6054	115	127	85	14 cps
Aluminum+Iron:								
SS:	676	887	2426	2310	45	79	52	2 cps
LS:	700	1495	3280	1630	60	131	90	5 cps
		Density			PE			
		Actual	Calibrated		Actual	Calibrated	Quality	
Background:								
SS:							0.236	
LS:							0.189	
Aluminum:								
SS:		2.6000	2.6000	g/cc			0.249	
LS:		2.6000	2.6000	g/cc			0.216	
Magnesium:								
SS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.232	
LS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.198	
Aluminum+Iron:								
SS:						6.1800	0.208	
LS:						6.1800	0.188	

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	1.0
Large Ring:	14.0 in	1.0
Gain:	12.765	
Offset:	2.050	

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
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Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps

Sensitivity:	0.6000	GAPI/cps
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Company	Berexco, LLC
Well	Anderson #2-28
Field	Amazon Ditch East
County	Finney
State	Kansas