



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Russell Oil, Inc. Well Thomas Trust #28-1 Field County Logan State Kansas		Company Russell Oil, Inc. Well Thomas Trust #28-1 Field County Logan State Kansas		Location: API #: 15-109-21659-00-00 1105 FNL & 1450 FWL SEC 28 TWP 14S RGE 33W Permanent Datum Ground Level Elevation 2858 Log Measured From Kelly Bushing Drilling Measured From Kelly Bushing Other Services CNL/CDL DIL Elevation K.B. 2863 D.F. G.L. 2858	
Date	11/30/2022	Run Number	One		
Depth Driller	4571				
Depth Logger	4574				
Bottom Logged Interval	4573				
Top Log Interval	3500				
Casing Driller	8.625 @ 348				
Casing Logger	346				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	5000				
Density / Viscosity	9.4 72				
pH / Fluid Loss	10.0 9.6				
Source of Sample	FLOWLINE				
Rm @ Meas. Temp	0.50 @ 55				
Rmt @ Meas. Temp	0.38 @ 55				
Rmc @ Meas. Temp	0.68 @ 55				
Source of Rmt / Rmc	CHARTS				
Rm @ BHT	0.23 @ 121				
Operating Rig Time	3 Hours				
Max Rec. Temp. F	121				
Equipment Number	P-108				
Location	HAYS				
Recorded By	D. Schmidt				
Witnessed By	Larry Friend				

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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.

Monument,
20 South to Indian Rd, 1 1/2 East,
South into

Log Measured From: Kelly Bushing 5 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: D. Schmidt		Primary Witness: Larry Friend	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Log Variables

DatabaseC:\ProgramData\Warrior\Data\russell_thomas trust 28-1.db
Dataset field/well/stkml/pass3.2/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	121	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	405	30		4574

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



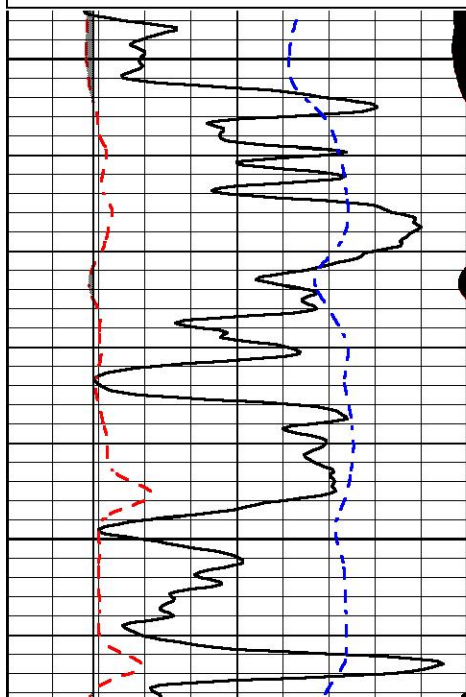
DETAIL SECTION

MAIN PASS

Database File russell_thomas trust 28-1.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Wed Nov 30 13:27:05 2022
Charted by Depth in Feet scaled 1:240

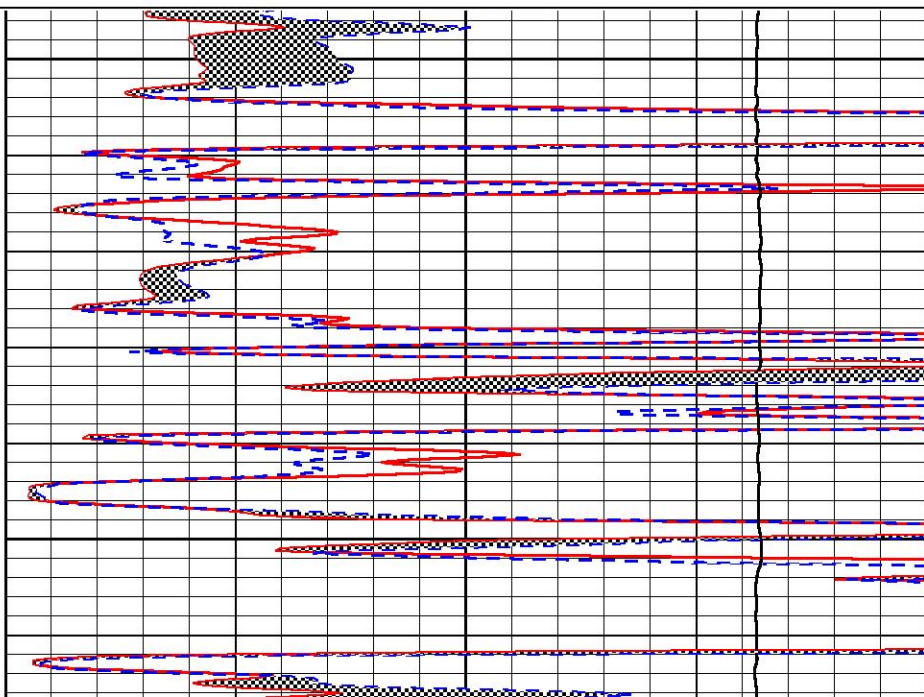
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	SP (mV)	0

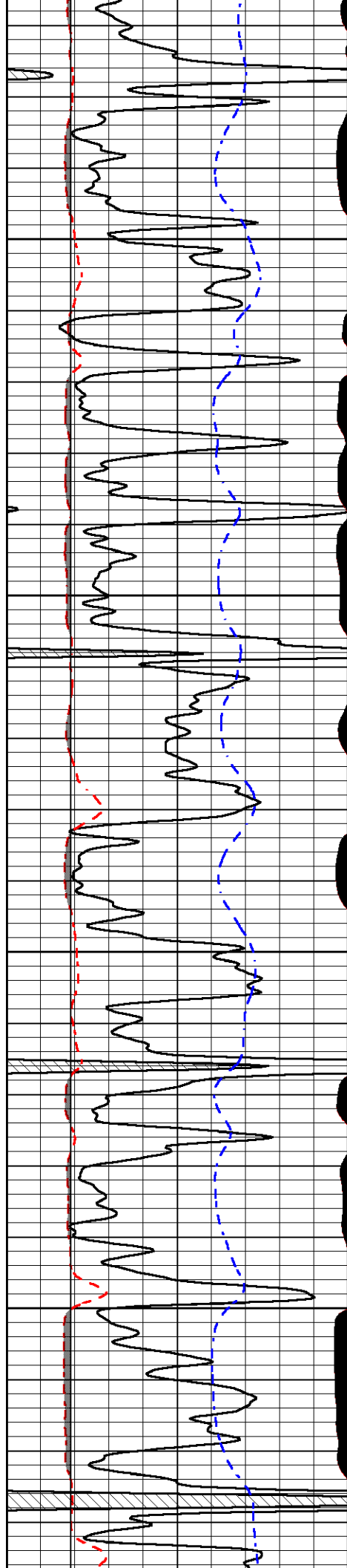
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



3500

3550



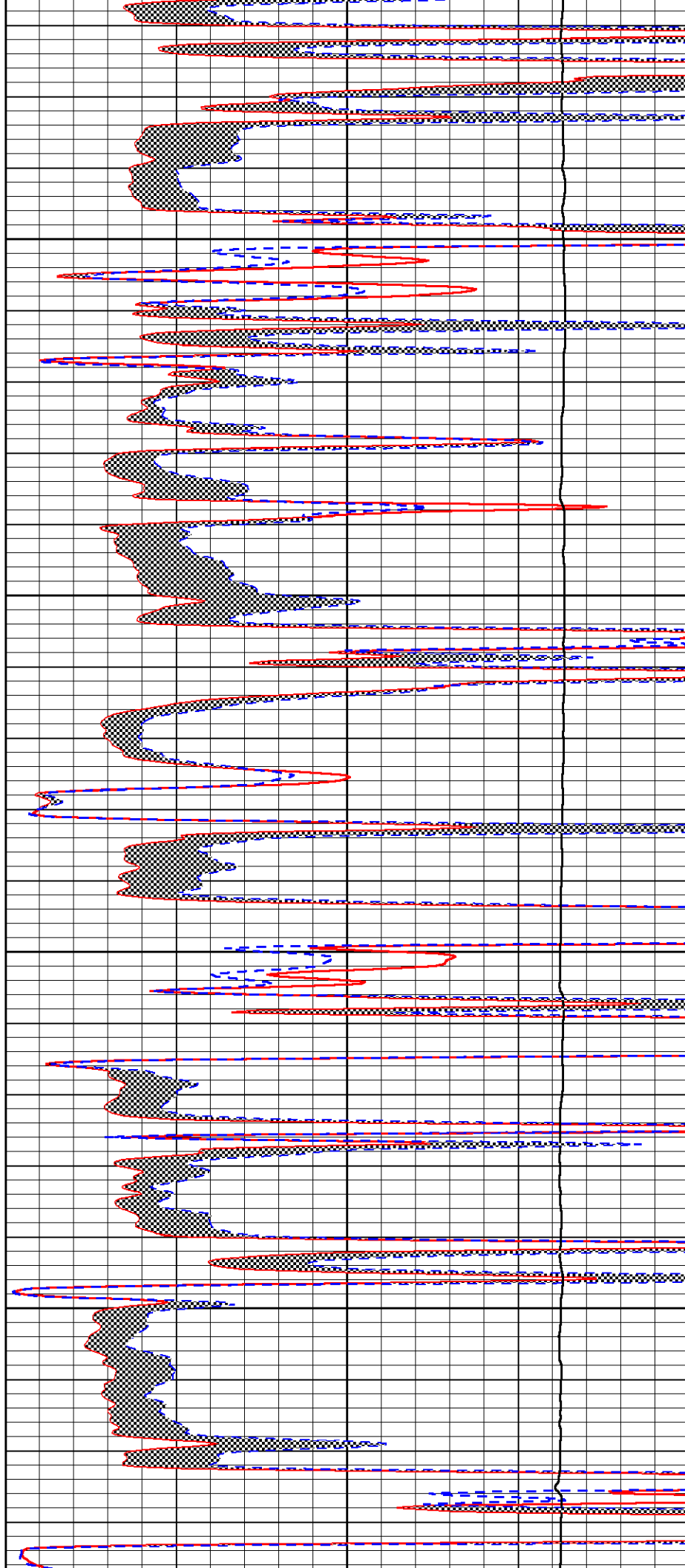


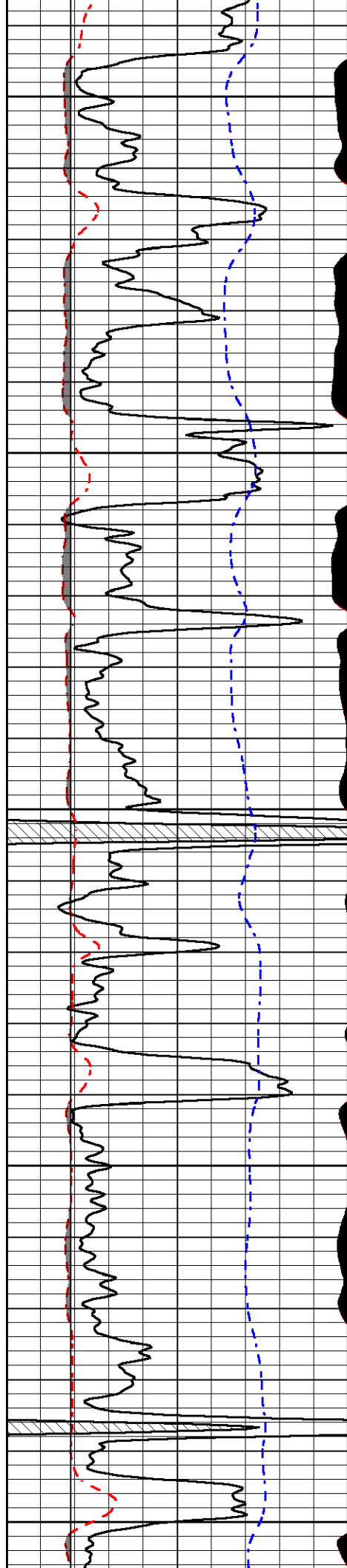
3600

3650

3700

3750





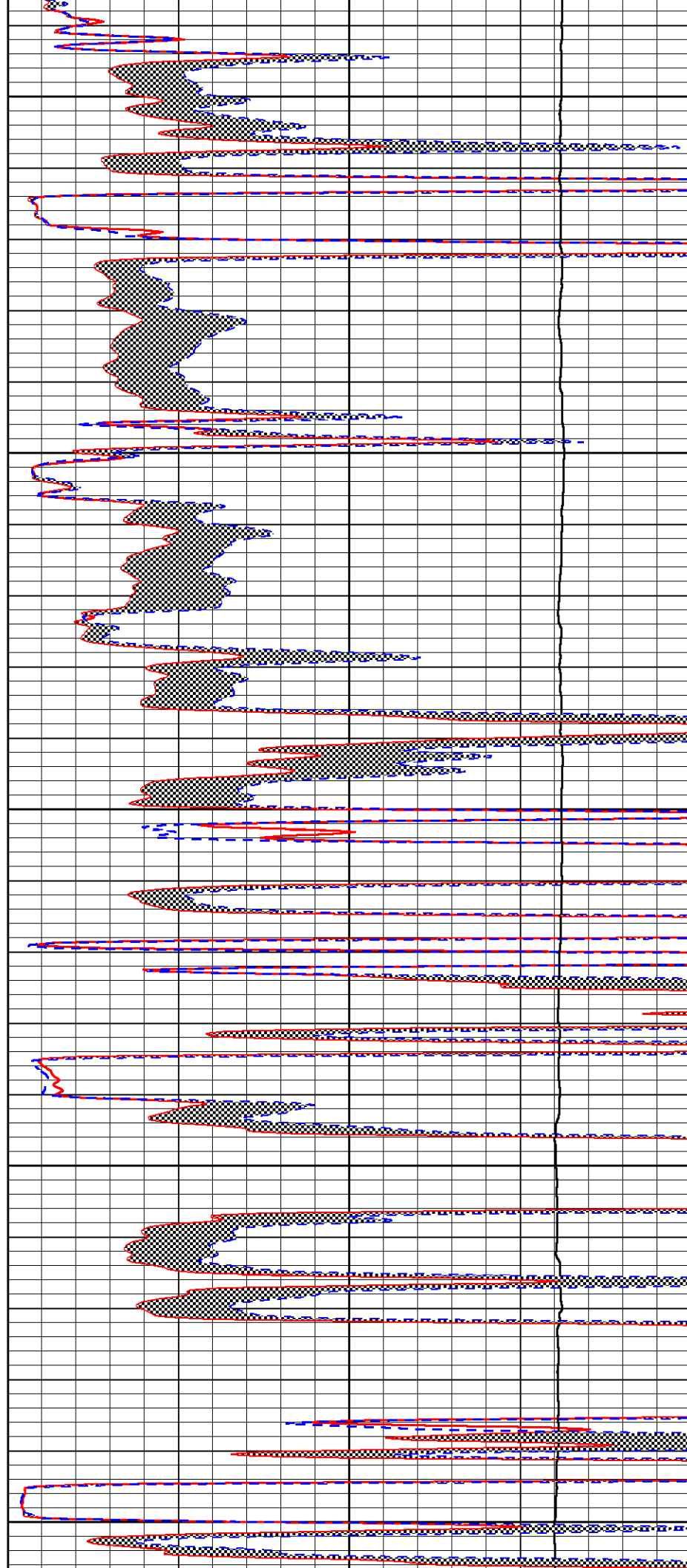
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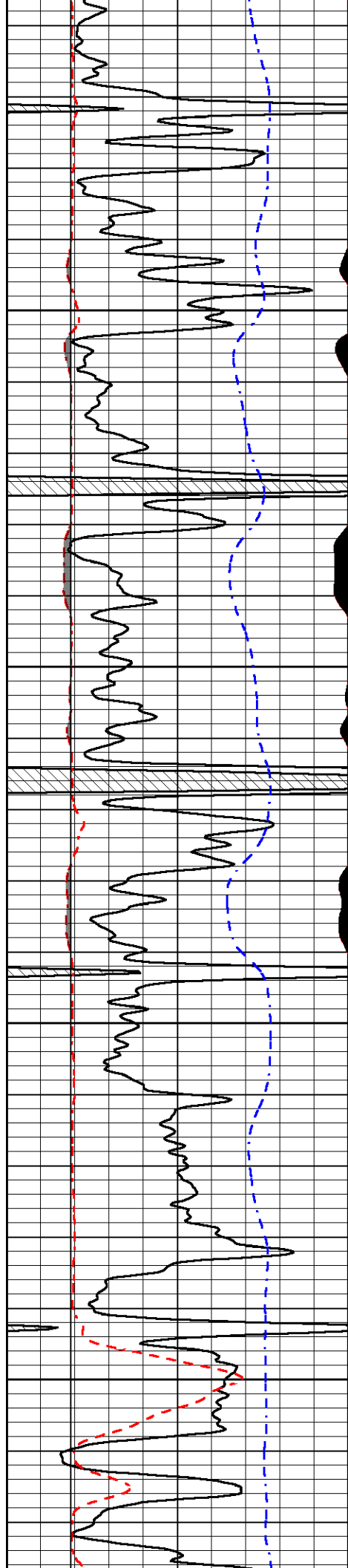
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3900

3950

4000



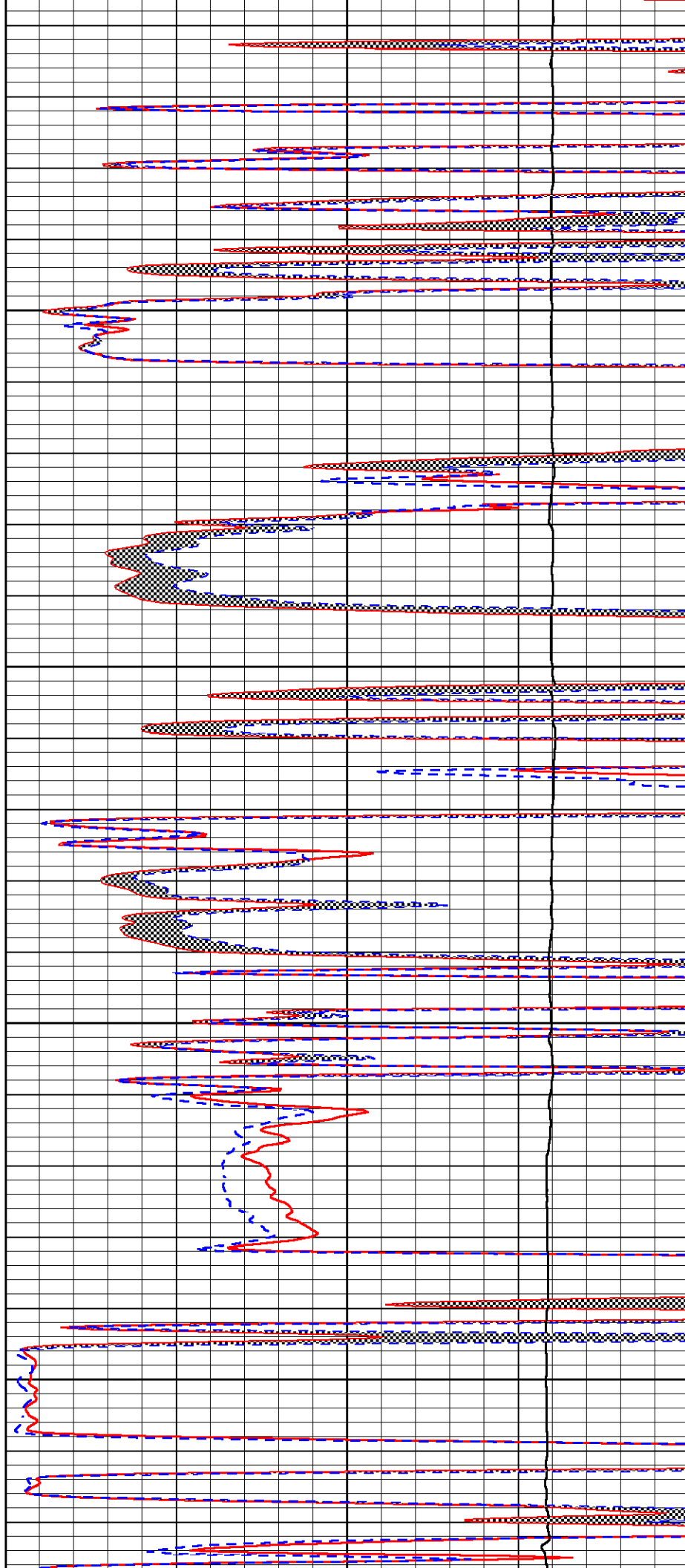


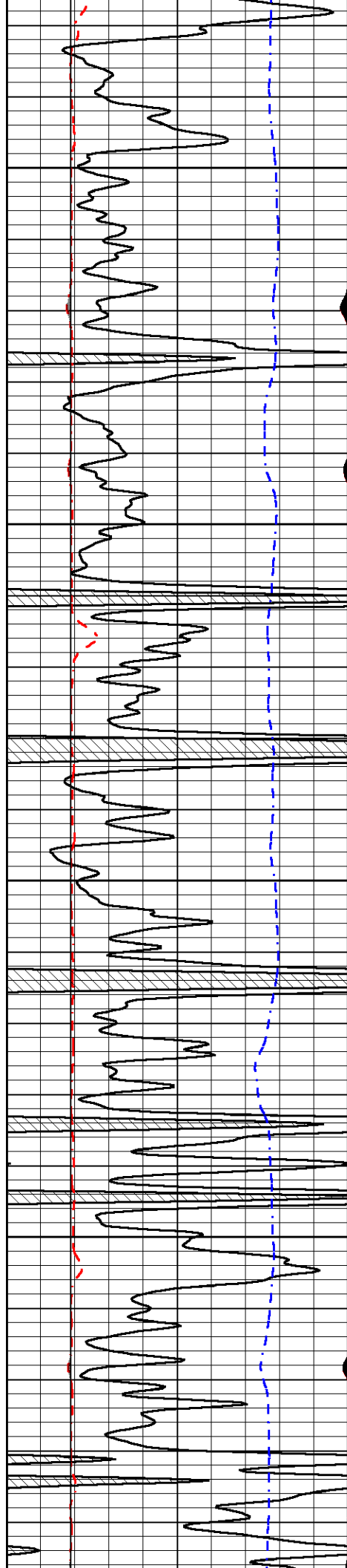
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4100

4150

4200



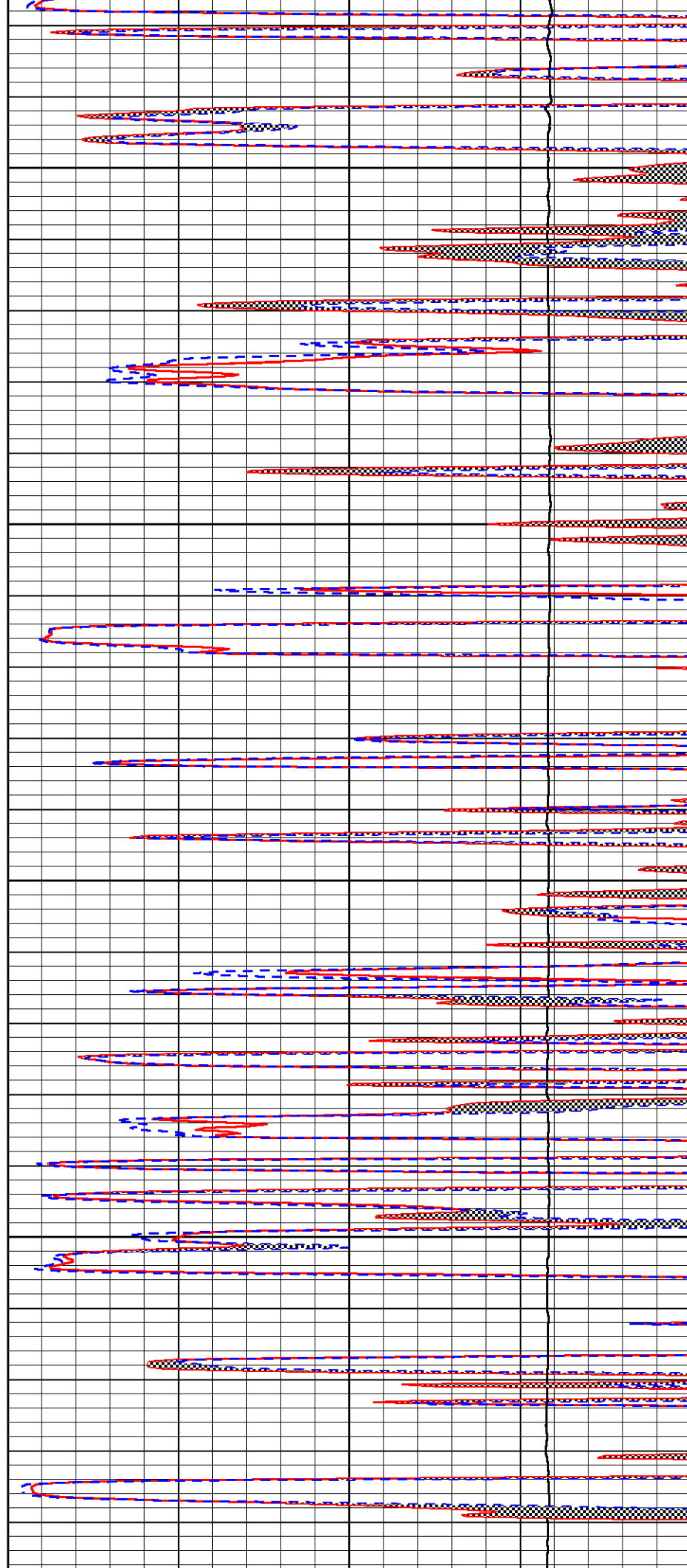


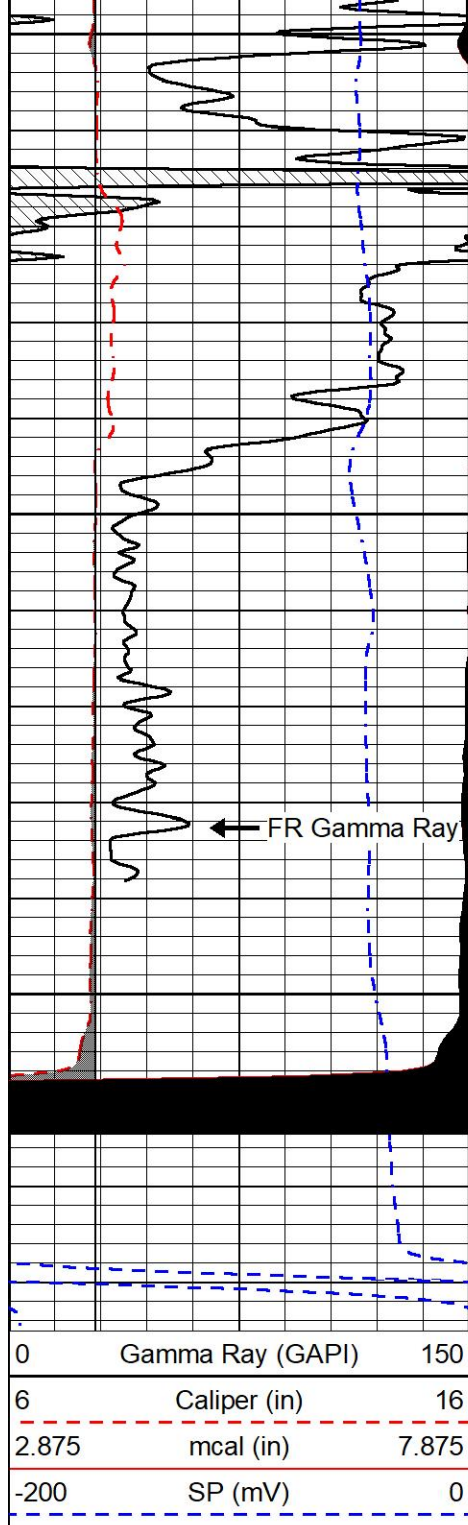
4250

4300

4350

4400

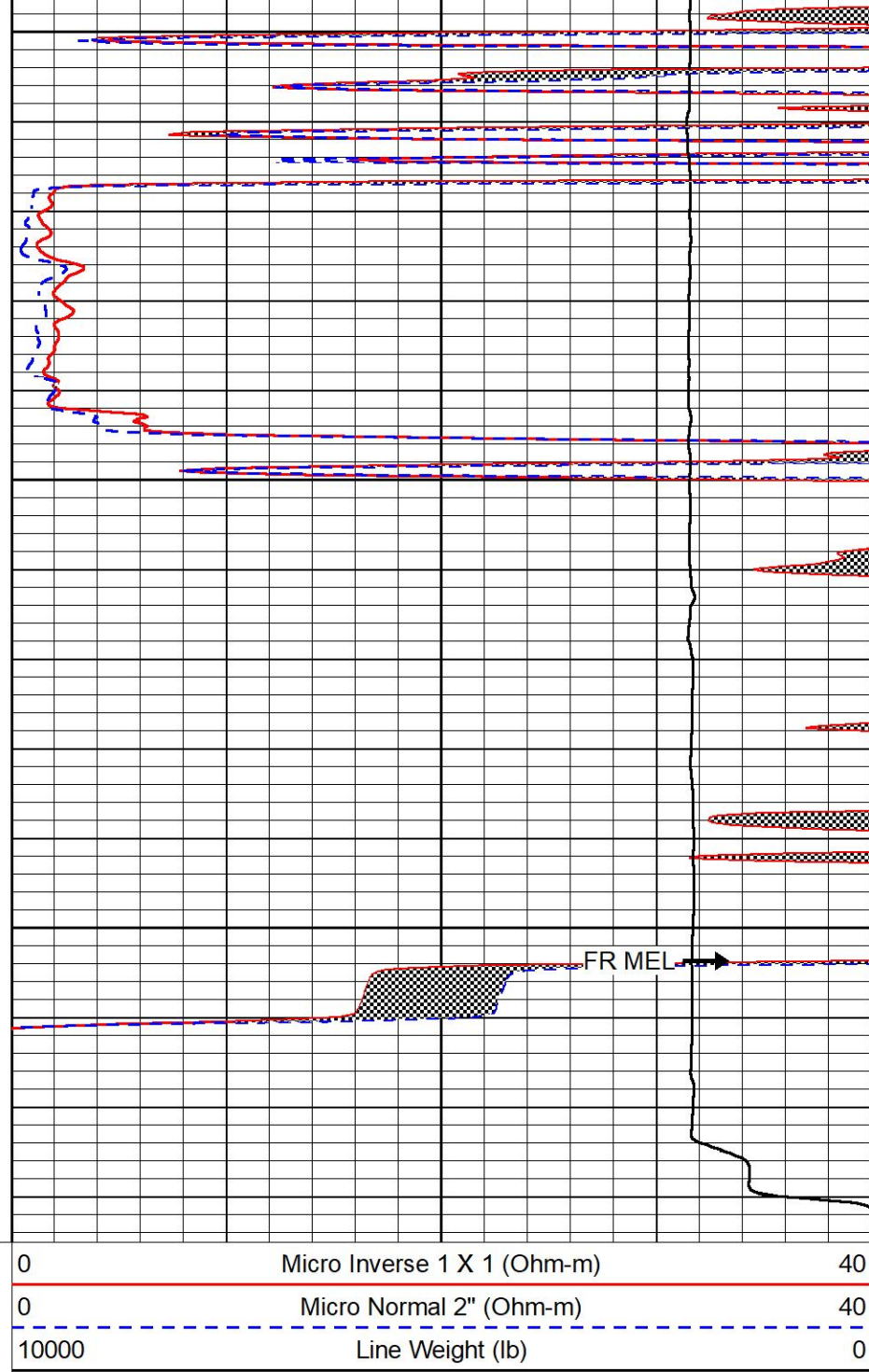




4450

4500

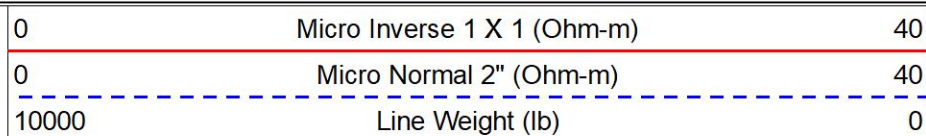
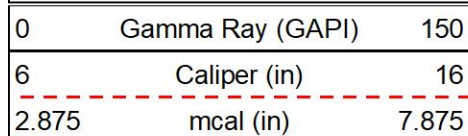
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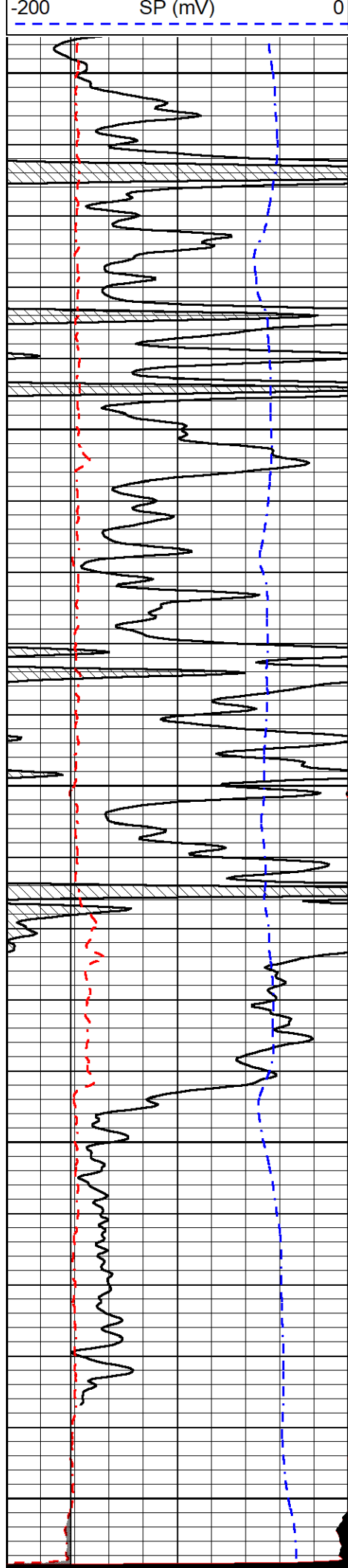


REPEAT SECTION

REPEAT PASS

Database File russell_thomas trust 28-1.db
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 Presentation Format _micro
 Dataset Creation Wed Nov 30 12:50:02 2022
 Charted by Depth in Feet scaled 1:240





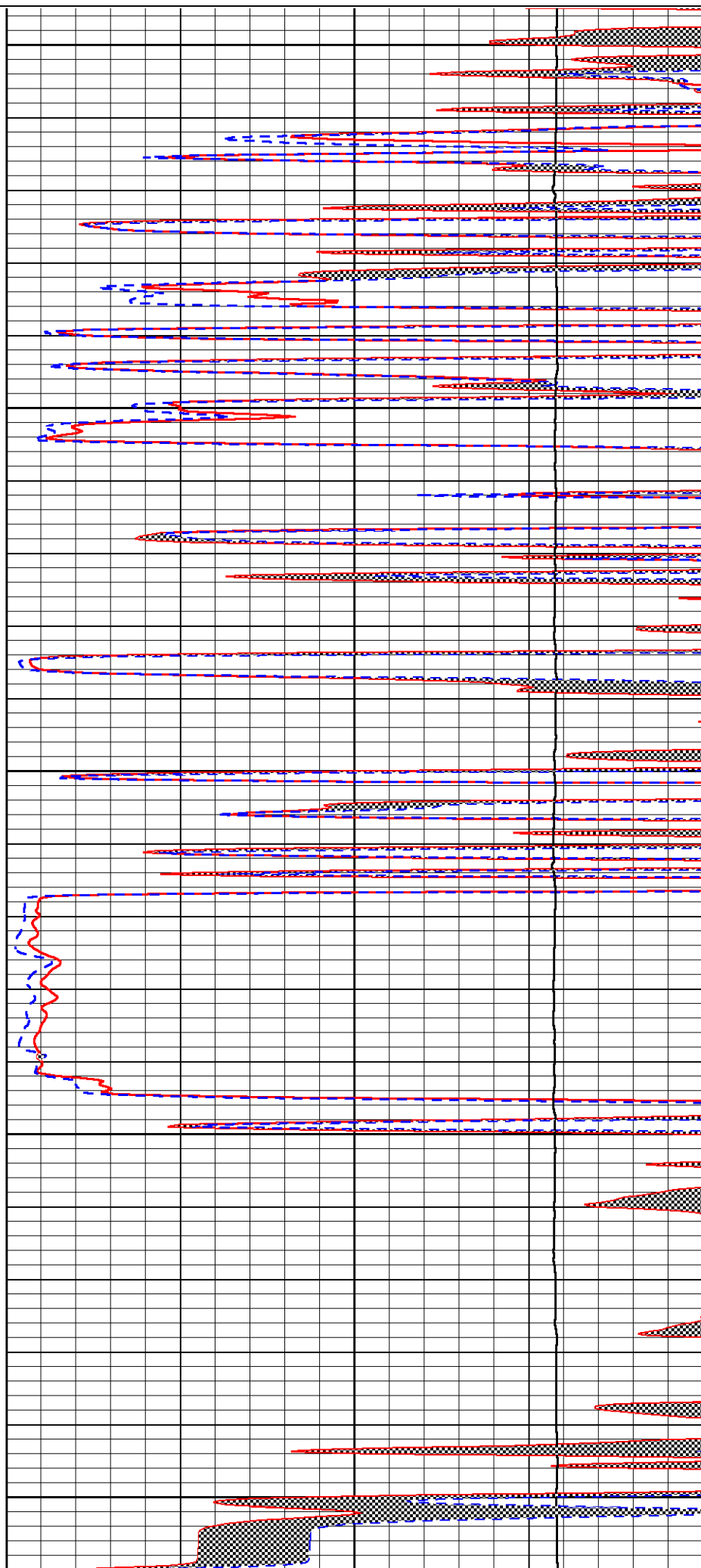
4350

4400

4450

4500

4550



Compensated Neutron Calibration Report

Serial-Model:	210-M&W
Source #:	N-1238
Master Calibration Performed:	Fri Dec 3 09:16:24 2021

Master 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:	103	
Tool Model:	M&W	
Performed:	Fri Dec 3 12:13:24 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	28.0	cps
Calibrator Reading:	986.0	cps
Sensitivity:	0.5700	GAPI/cps



Company	Russell Oil, Inc.
Well	Thomas Trust #28-1
Field	
County	Logan
State	Kansas