



MICRORESISTIVITY

MIDWEST WIRELINE

Company Castle Resources, Inc		Company Castle Resources, Inc	
Well	Herl #5	Well	Herl #5
Field	Wheatland SW	Field	Wheatland SW
County	Ellis	County	Ellis
State	Kansas	State	Kansas
Location: API #: 15-051-27141-00-00		Other Services	
SE NW SW NE 1845 FNL & 2135 FEL		CNL/CDL DIL/BHCS	
Permanent Datum	Ground Level	Elevation	1991
Log Measured From	Kelly Bushing	K.B.	2002
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	1991
Date	5/19/2026		
Run Number	Two		
Depth Driller	3922		
Depth Logger	3921		
Bottom Logged Interval	3920		
Top Log Interval	2900		
Casing Driller	8.625 @ 223		
Casing Logger	223		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	16500		
Density / Viscosity	9.6 52		
pH / Fluid Loss	10.0 10.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.3 @ 68		
Rmt @ Meas. Temp	0.23 @ 68		
Rmc @ Meas. Temp	0.41 @ 68		
Source of Rmt / Rmc	Charts		
Rm @ BHT	0.18 @ 114		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	114		
Equipment Number	P-24		
Location	Hays		
Recorded By	T. Martin		
Witnessed By	Jerry Green		

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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.

Hays, KS, S to Chetolah Gold Rd, 3 E, 1/4 S, W 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

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Jerry Green
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle_herl #5.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	114	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	4	-3.5	160	60	Off	3921

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



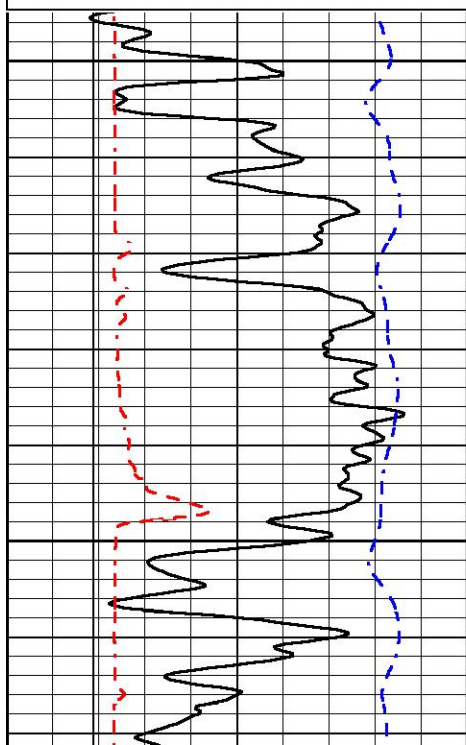
DETAIL SECTION

MAIN PASS

Database File castle_herl #5.db
Dataset Pathname Stack/pass3.1
Presentation Format _micro
Dataset Creation Tue May 19 13:11:09 2026
Charted by Depth in Feet scaled 1:240

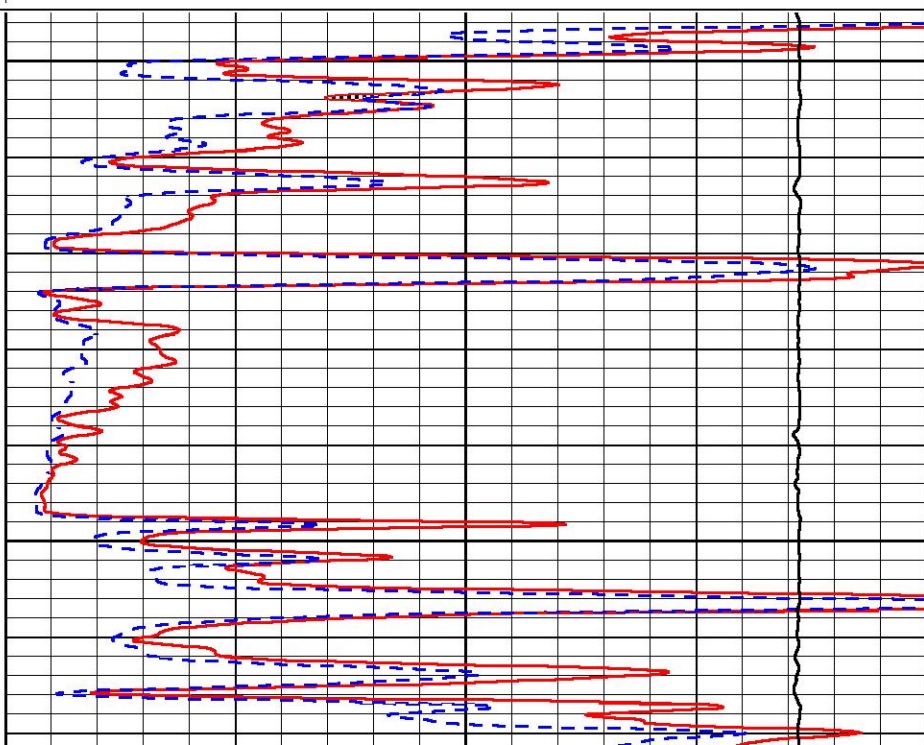
0	GR (GAPI)	150
6	MCAL (in)	16
-200	SP (mV)	0

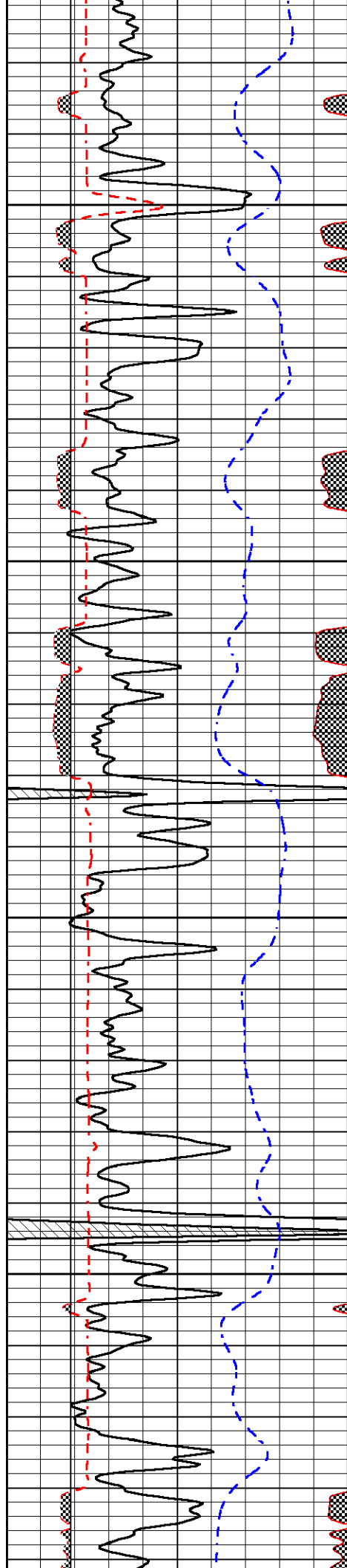
0	Micro Inverse 1 X 1 (Ohm-m)	20
0	Micro Normal 2" (Ohm-m)	20
10000	Line Weight (lb)	0



2900

2950



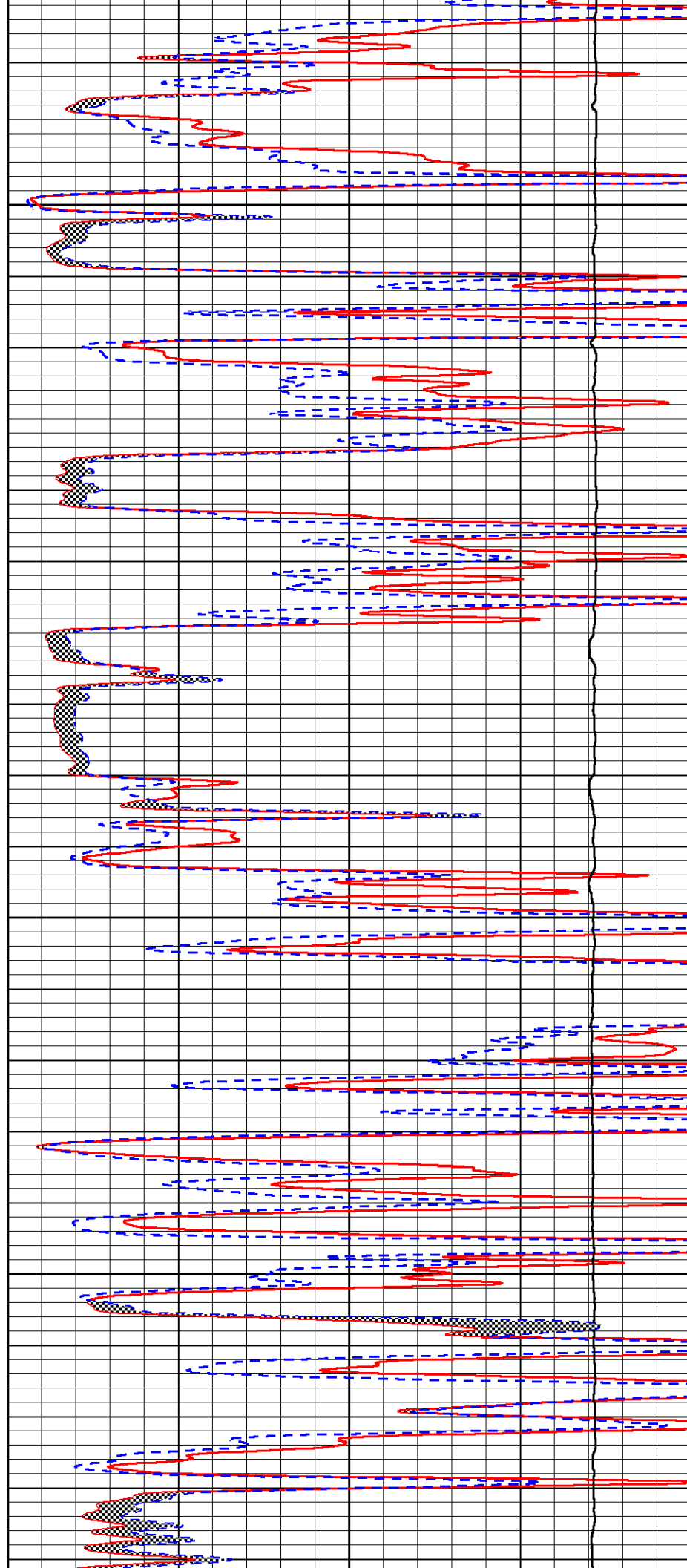


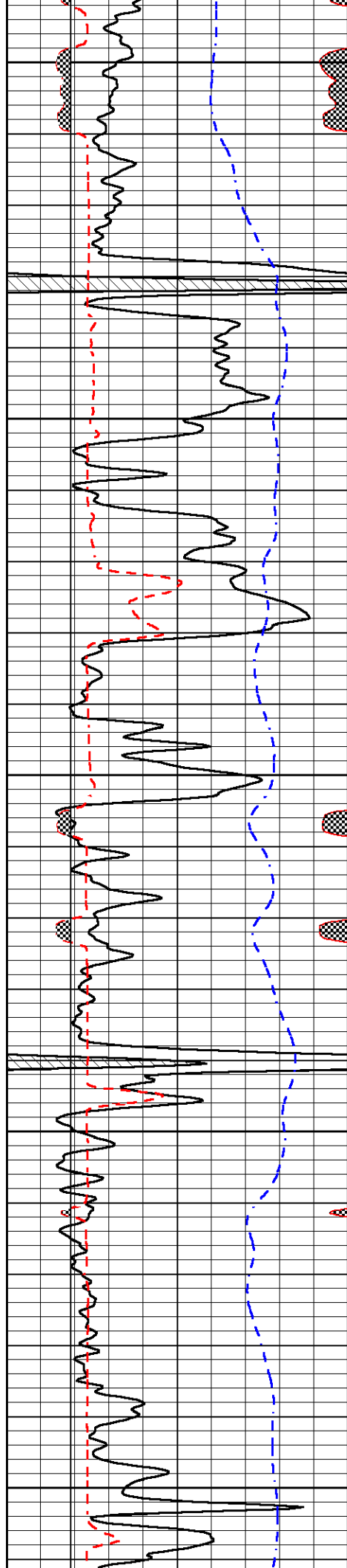
3000

3050

3100

3150





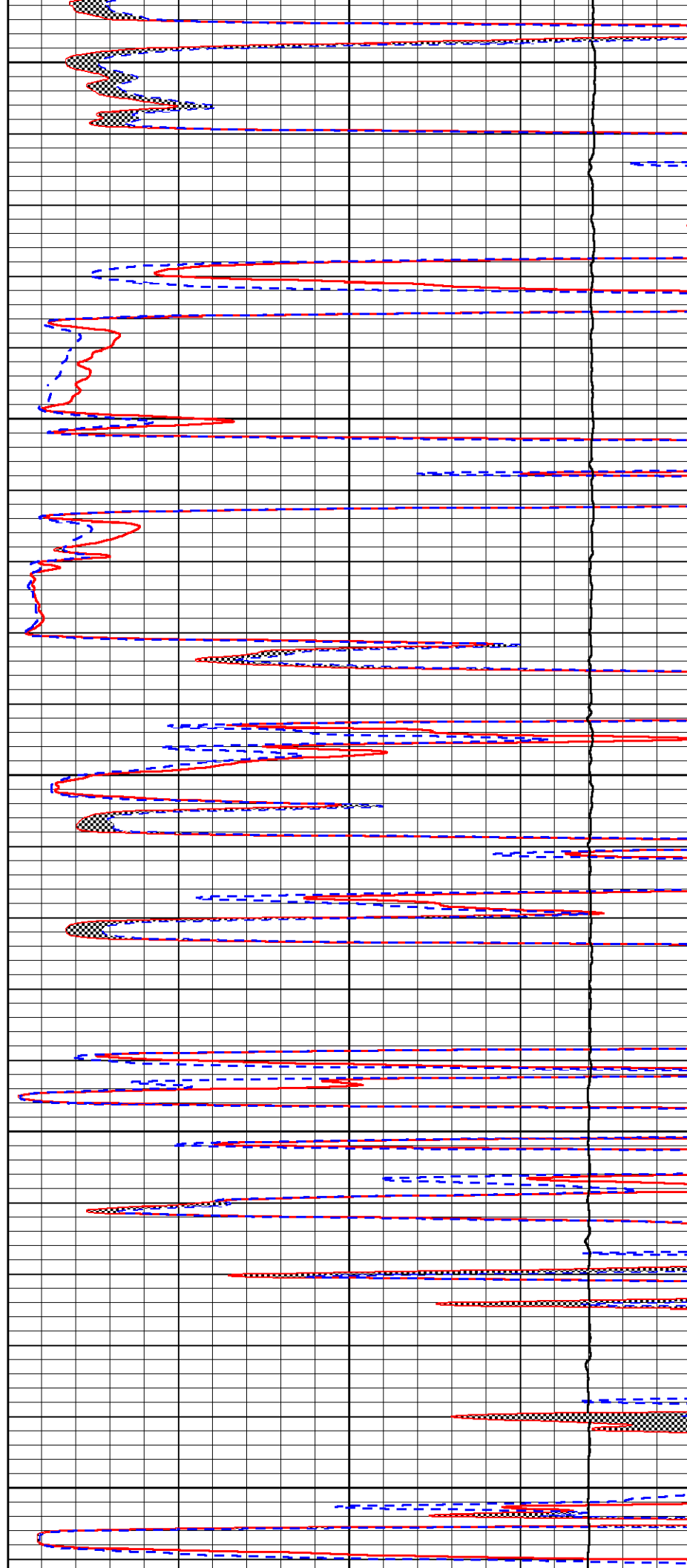
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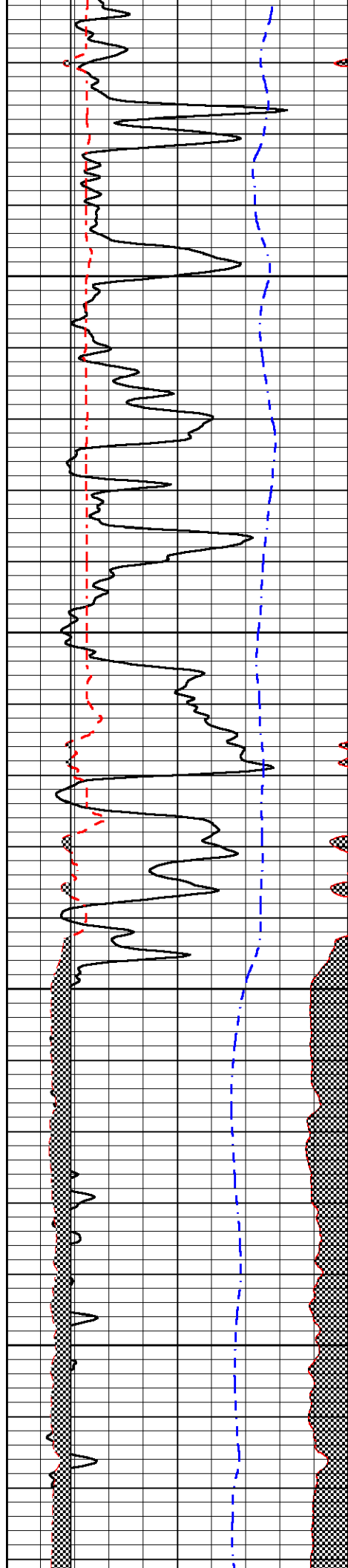
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3300

3350

3400



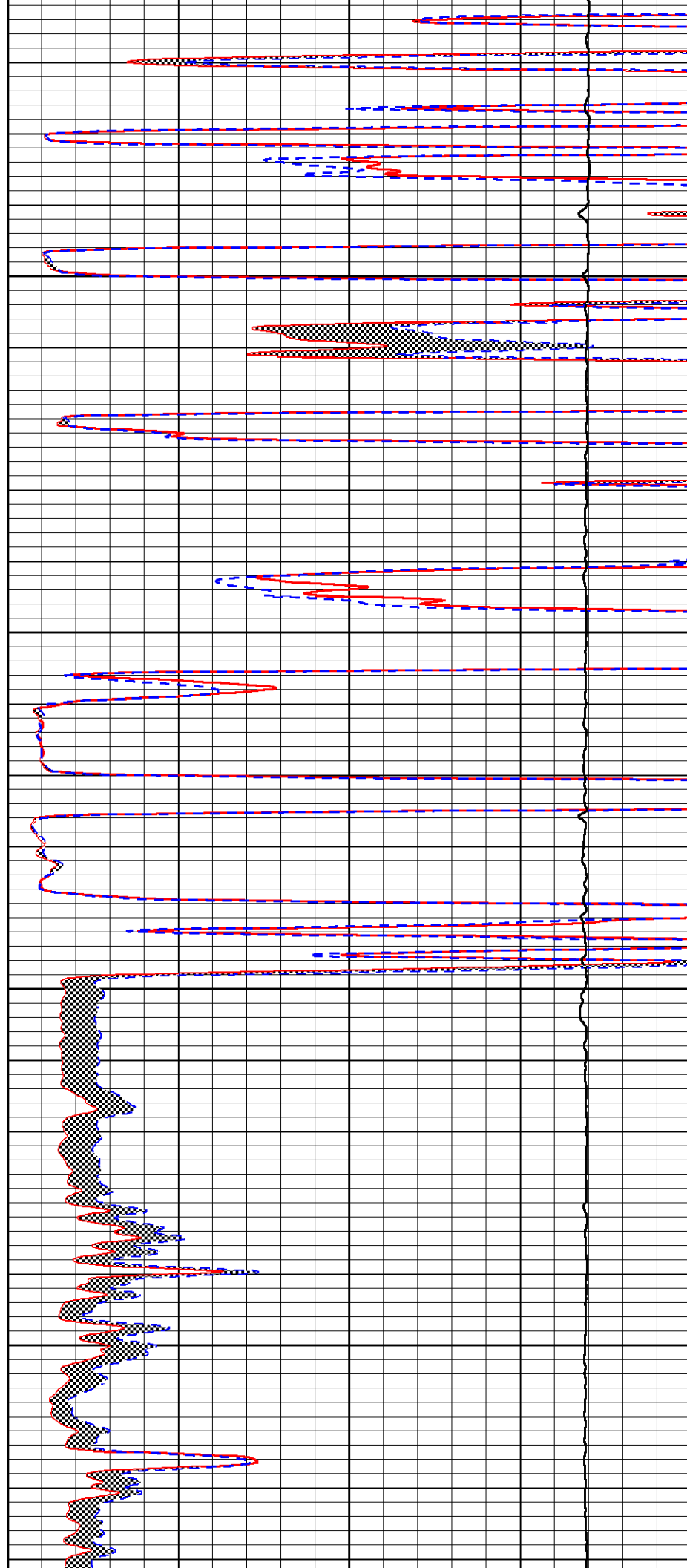


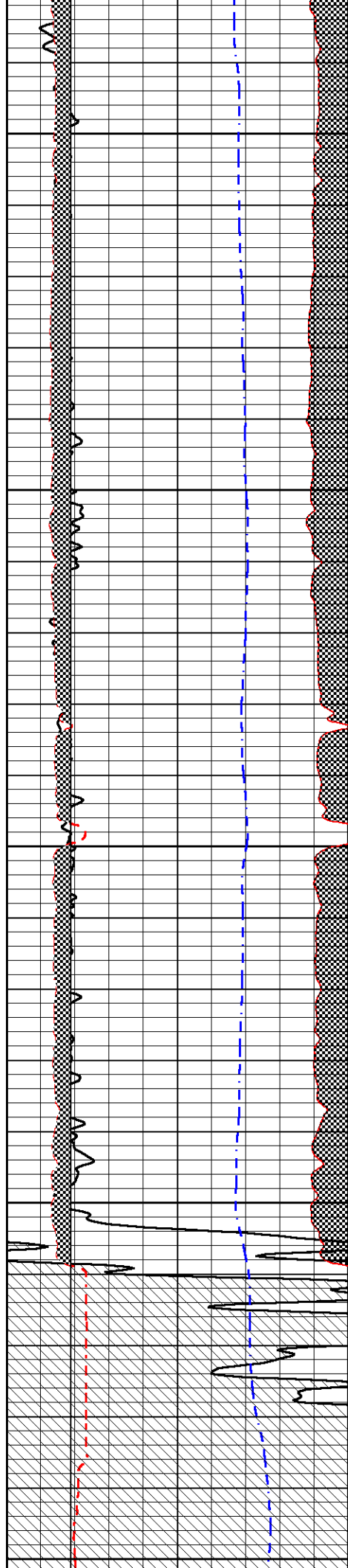
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3500

3550

3600





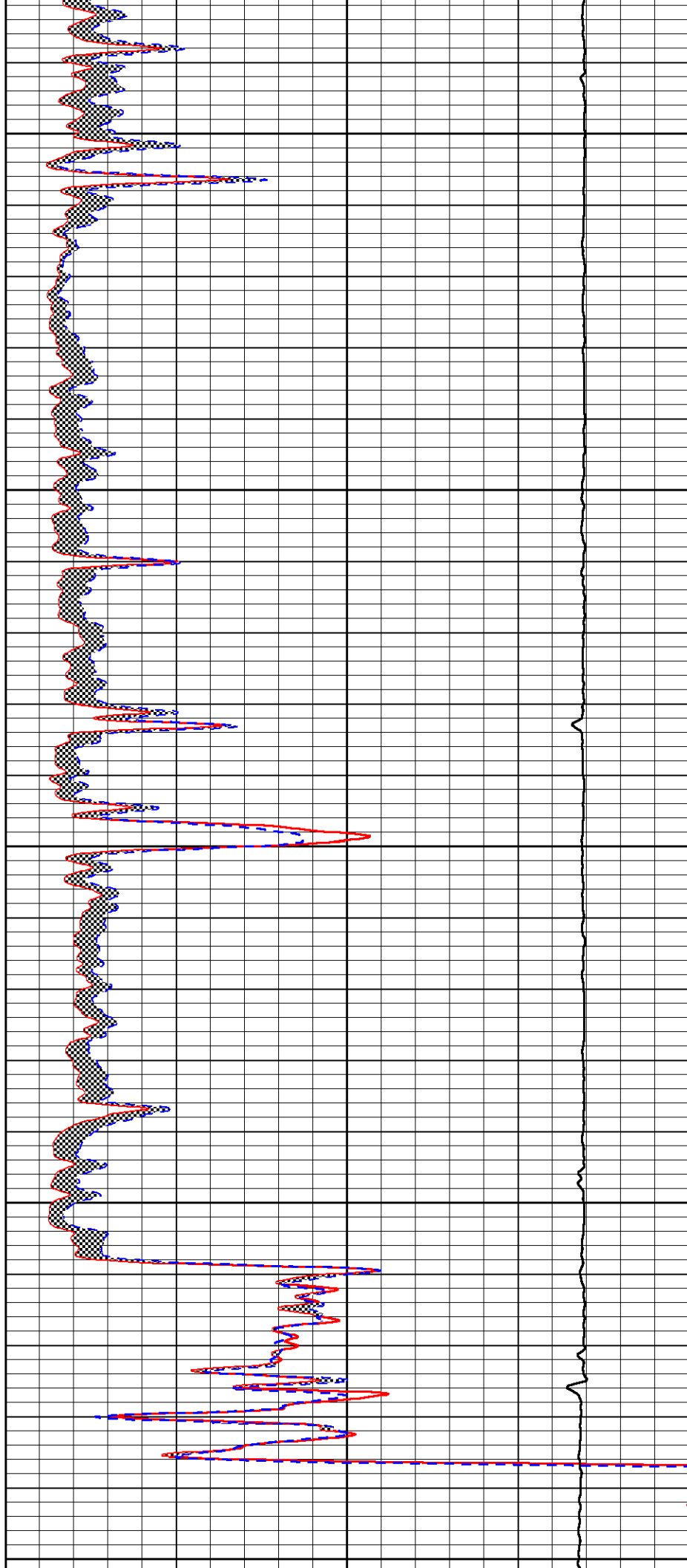
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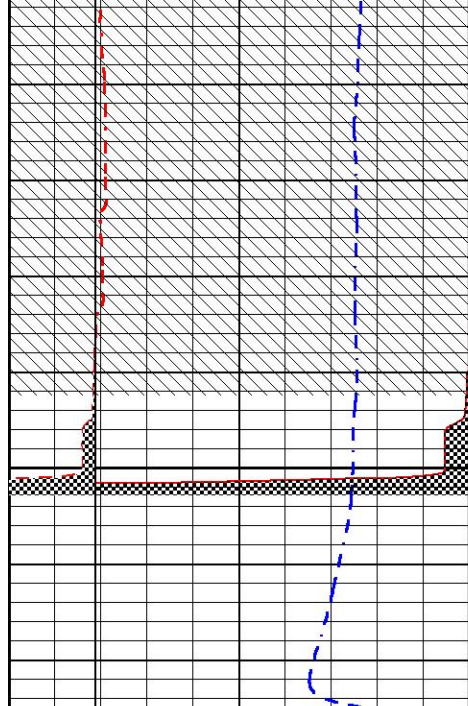
3700

3750

3800

3850





3900

0	GR (GAPI)	150
6	MCAL (in)	16
-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



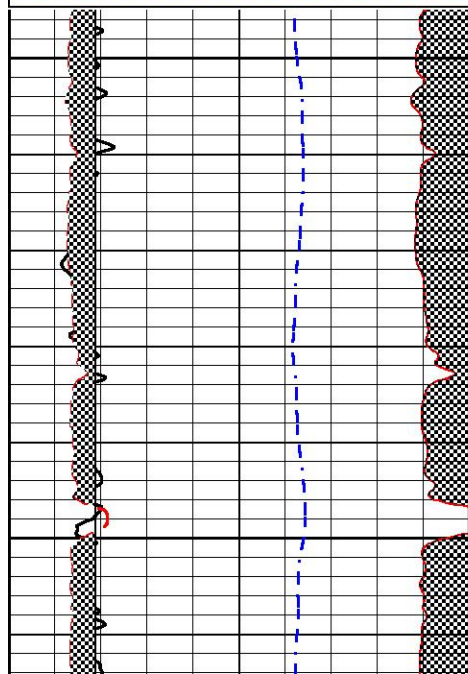
REPEAT SECTION

REPEAT PASS

Database File castle_herl #5.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _micro
 Dataset Creation Tue May 19 12:36:39 2026
 Charted by Depth in Feet scaled 1:240

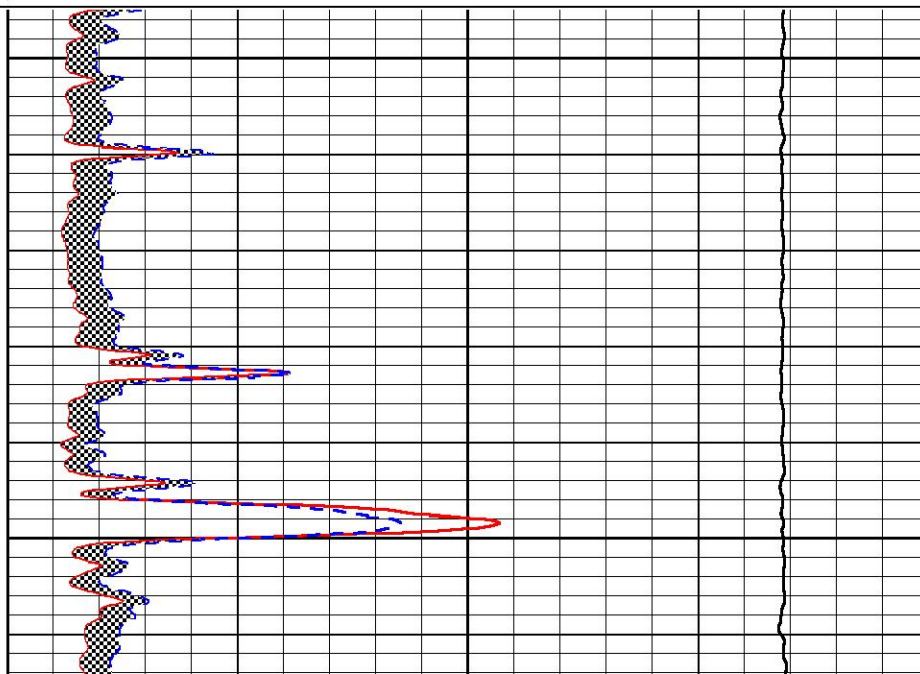
0	GR (GAPI)	150
6	MCAL (in)	16
-200	SP (mV)	0

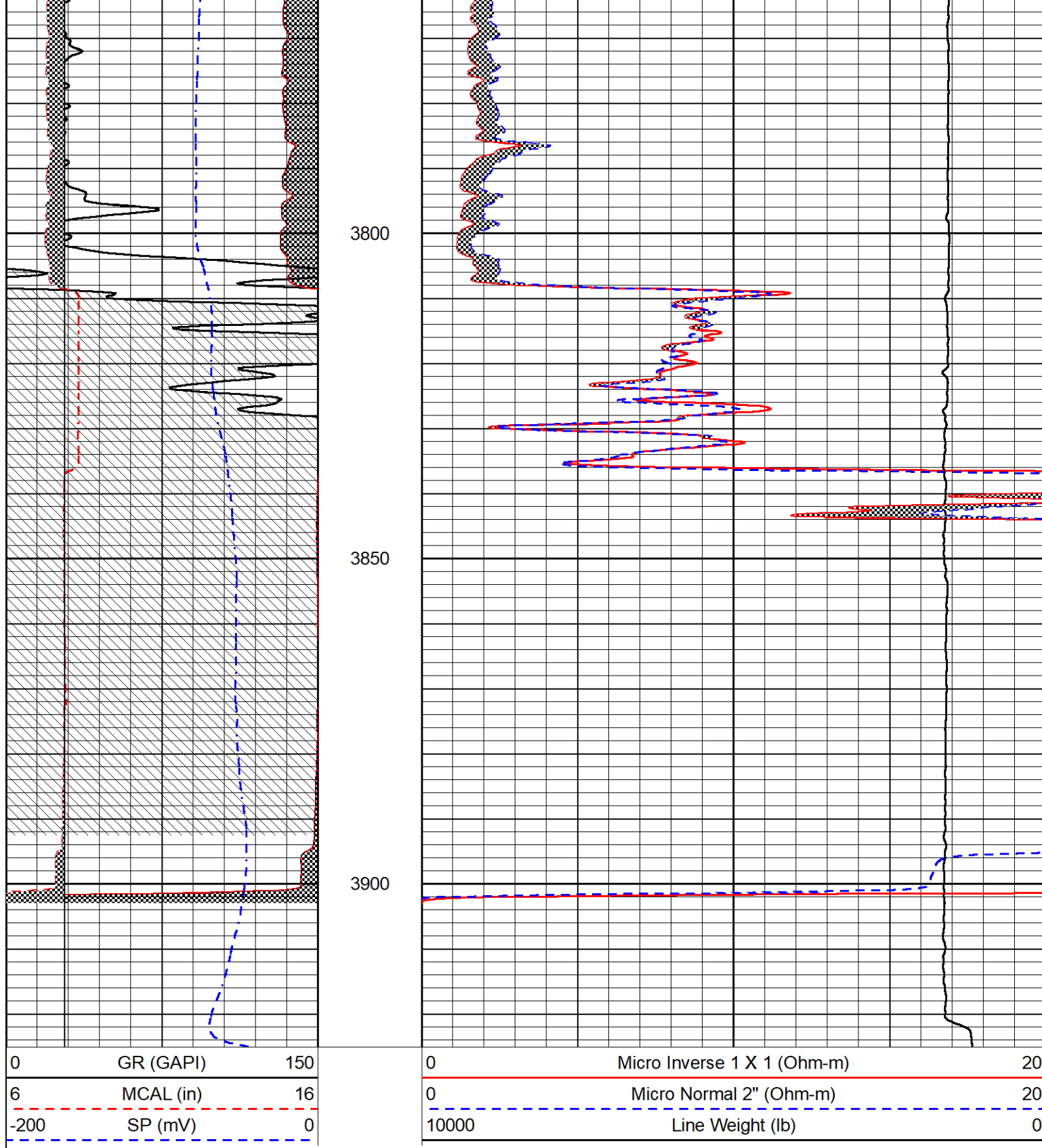
0	Micro Inverse 1 X 1 (Ohm-m)	20
0	Micro Normal 2" (Ohm-m)	20
10000	Line Weight (lb)	0



3700

3750





Calibration Report

Database File castle_herl #5.db
Dataset Pathname SonMel/pass3.4
Dataset Creation Tue May 19 14:32:24 2026

Microlog Calibration Report

Serial-Model: Pengo1-Pengo
Performed: Sun Apr 19 16:23:21 2026

Readings

References

Results

	Zero	Cal		Zero	Cal		m	b
Normal	-0.0394	0.4595	V	0.0000	10.0000	Ohm-m	13.0000	-0.5000
Inverse	0.0179	0.4655	V	0.0000	10.0000	Ohm-m	10.5000	0.0000
Caliper	2.9257	6.5488	V	7.6250	14.7500	in	1.9665	1.8716

 MIDWEST WIRELINE	Company	Castle Resources, Inc
	Well	Herl #5
	Field	Wheatland SW
	County	Ellis
	State	Kansas