



**MICRO
RESISTIVITY
LOG**

Company Patterson Energy LLC.
Well Rolfs #1
Field Lorraine
County Ellsworth
State KS

Company Patterson Energy LLC.

Well Rolfs #1

Field Lorraine

County Ellsworth

State KS

Location:

API #: 15 053 21390

2310' FSL & 1320' FEL

SEC 14 TWP 17S RGE 9W

Permanent Datum Ground Level Elevation 1787'
Log Measured From KB 8' AGL
Drilling Measured From KB

Other Services
DIL
CDNL
Elevation
K.B. 1795'
D.F. 1794'
G.L. 1787'

Date	10/22/23
Run Number	Two
Depth Driller	3300'
Depth Logger	3299'
Bottom Logged Interval	3297'
Top Log Interval	2400'
Casing Driller	8 5/8"@340'
Casing Logger	340'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	8.9/51
pH / Fluid Loss	10.0/8.8
Source of Sample	Pit
Rm @ Meas. Temp	1.7@70degf
Rmf @ Meas. Temp	1.3@70degf
Rmc @ Meas. Temp	2.0@70degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	1.0@103degf
Time Circulation Stopped	5:15 AM
Time Logger on Bottom	9:45 AM
Maximum Recorded Temperature	103degf
Equipment Number	T-605
Location	Hays, KS.
Recorded By	C.Patterson
Witnessed By	Austin Klaus

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Lorraine, KS 10 Rd1 mi North to Ave. U East 2 mi to 12th Rd.
12th Rd. 0.4 mi West into 0.3 mi.

Thanks for using Gemini Wireline LLC
785-625-1182

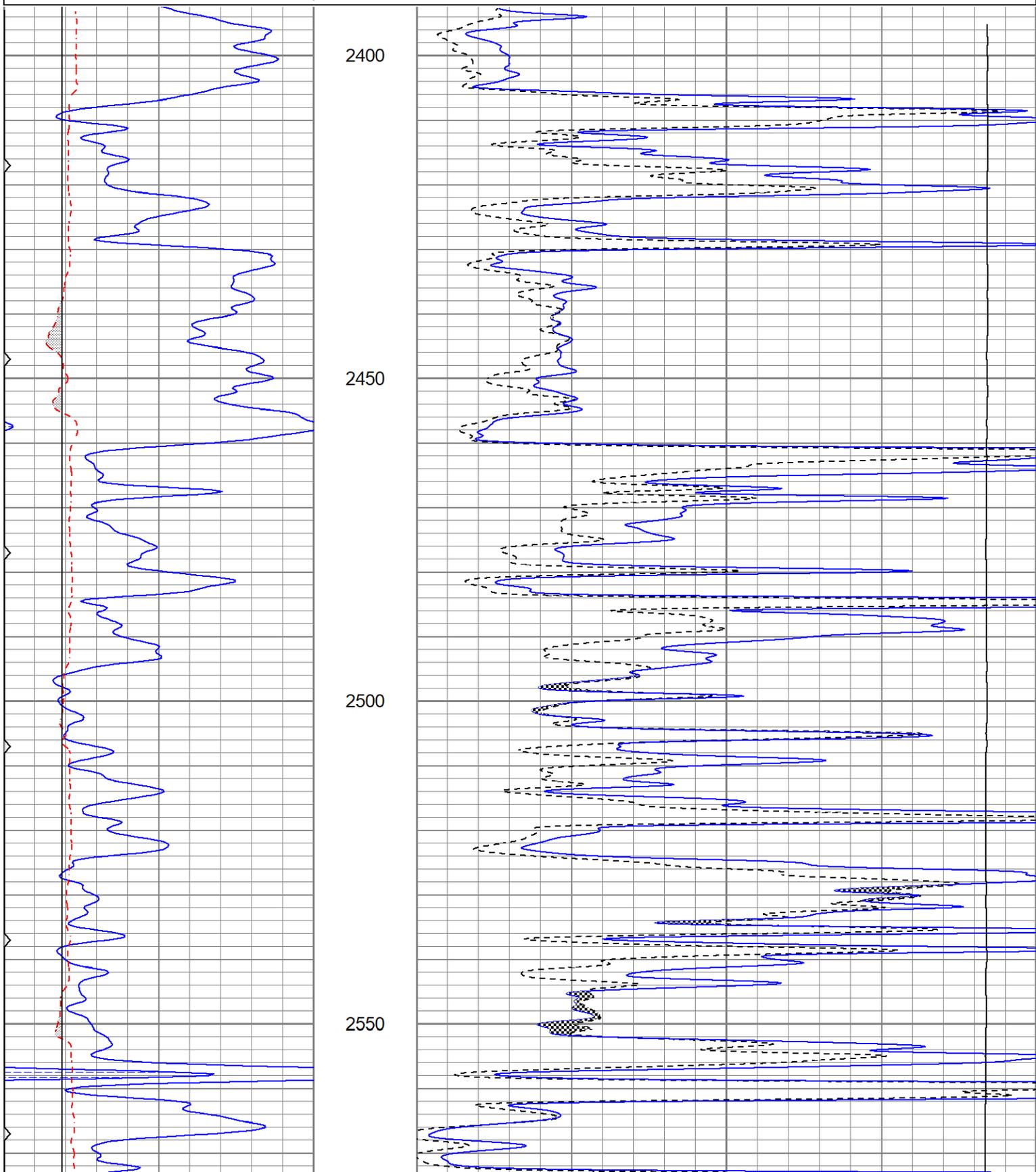


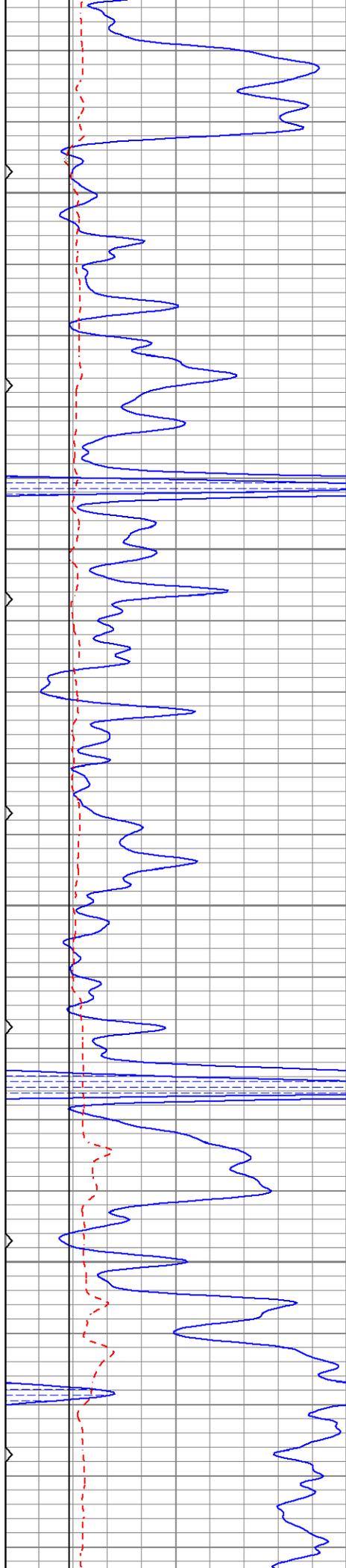
MAIN PASS

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 Presentation Format kml
 Dataset Creation Sun Oct 22 13:12:10 2023
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0



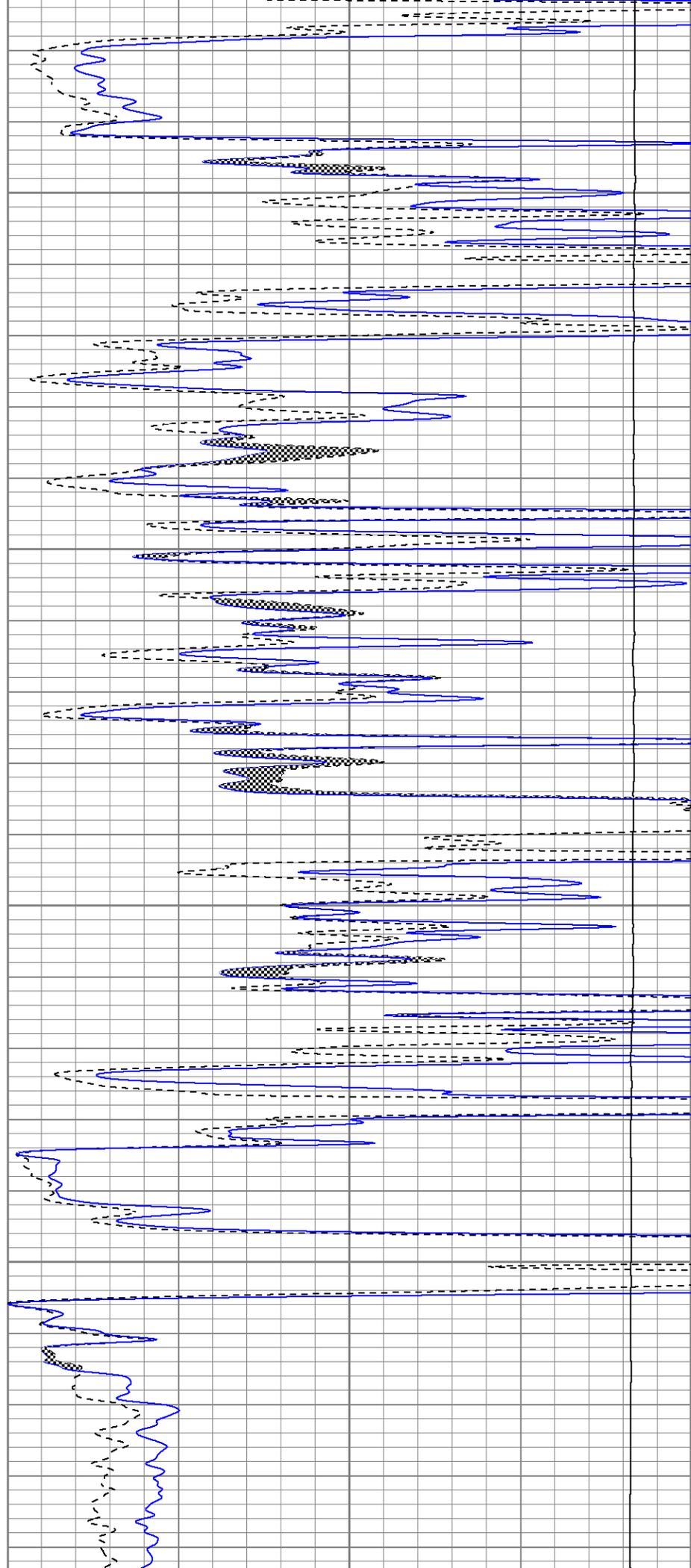


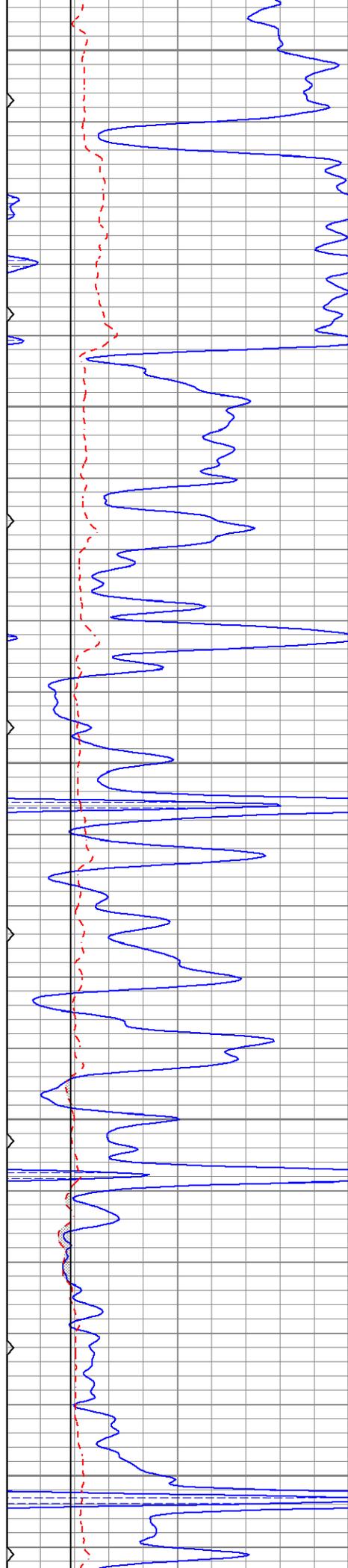
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2650

2700

2750





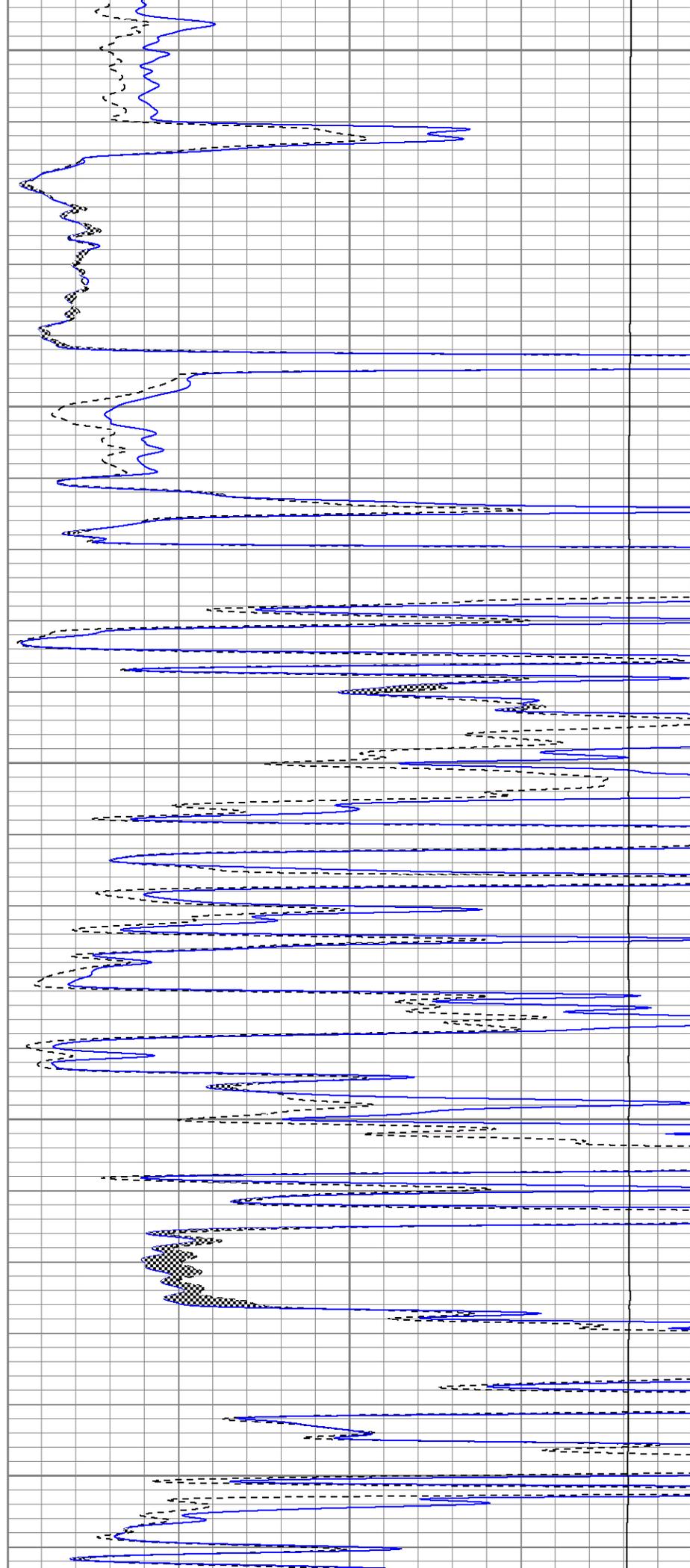
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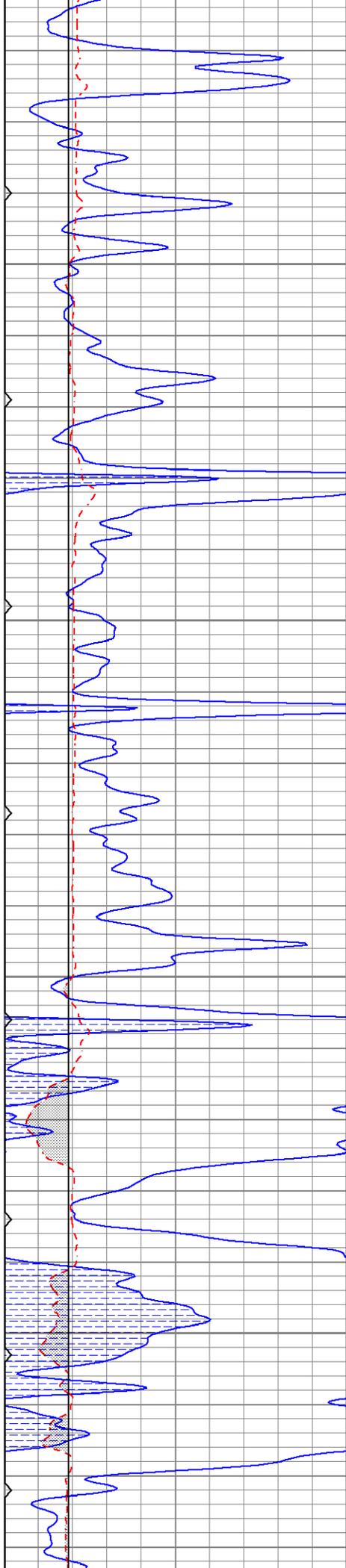
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2950

3000



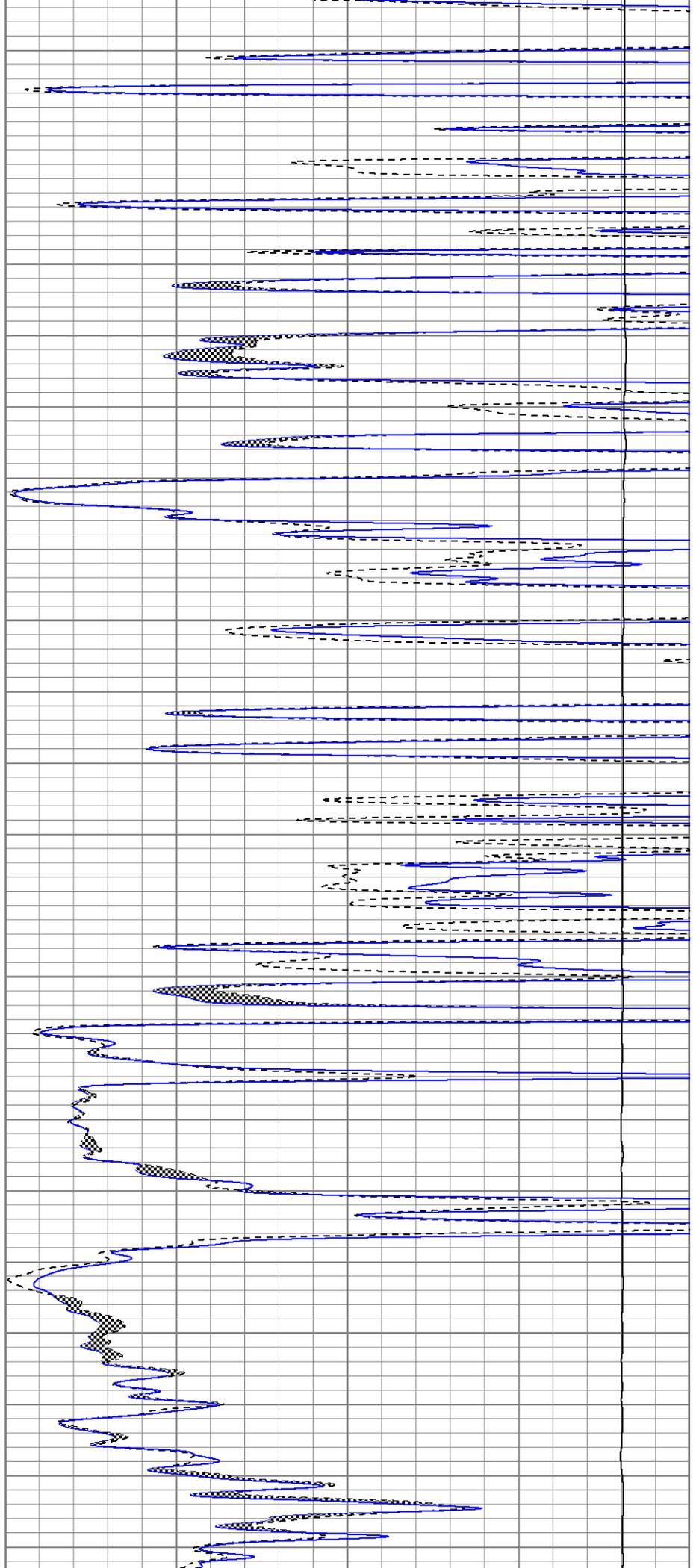


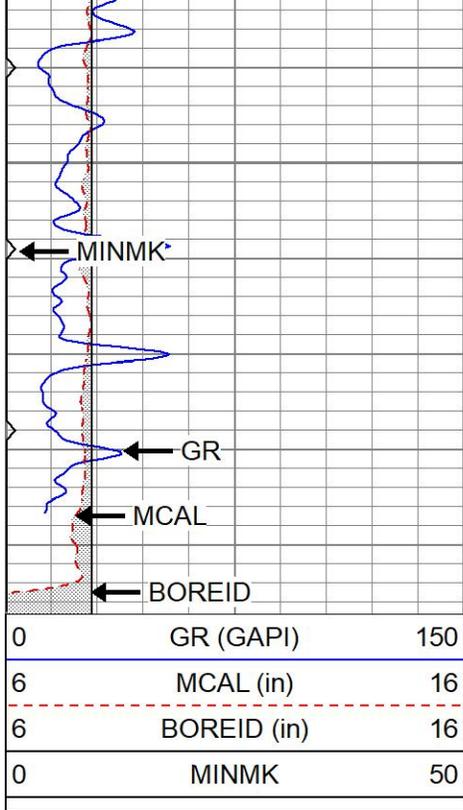
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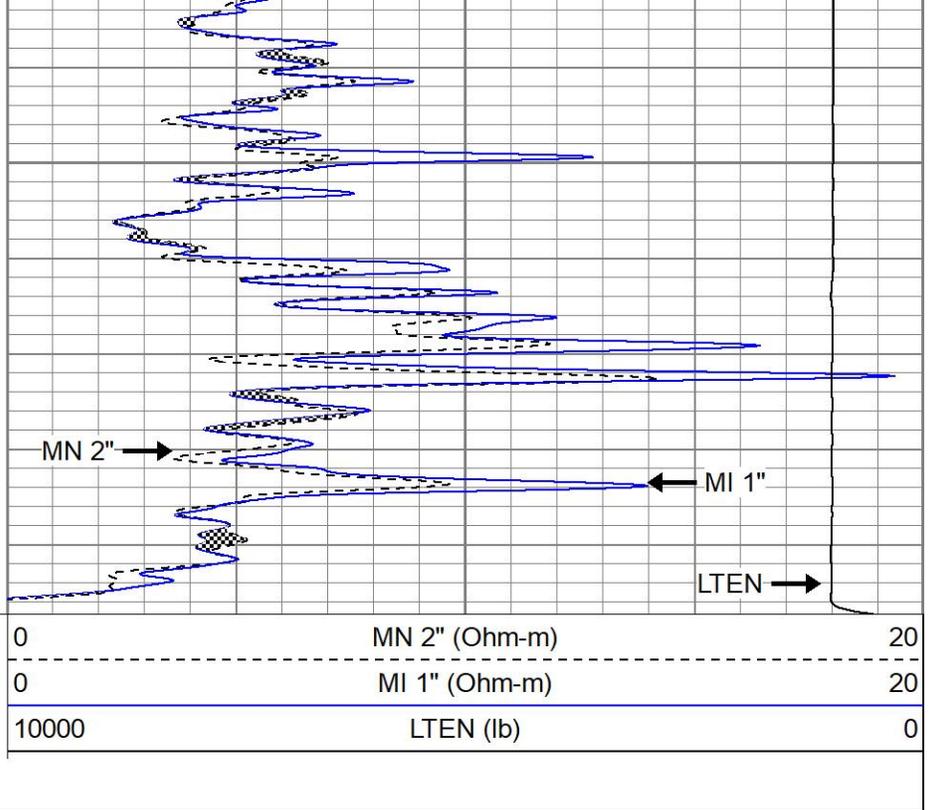
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3250

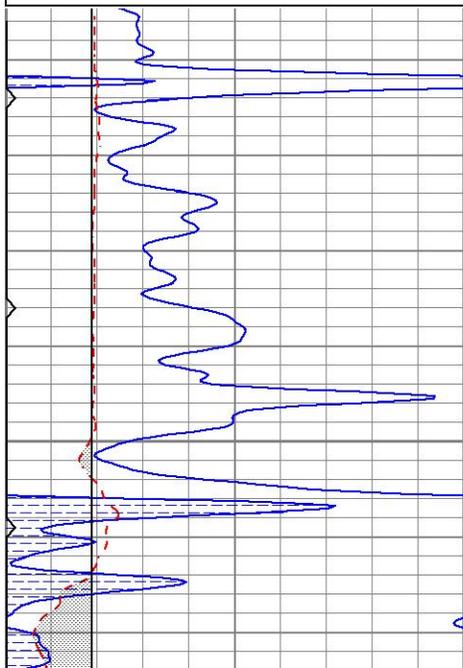


REPEAT SECTION

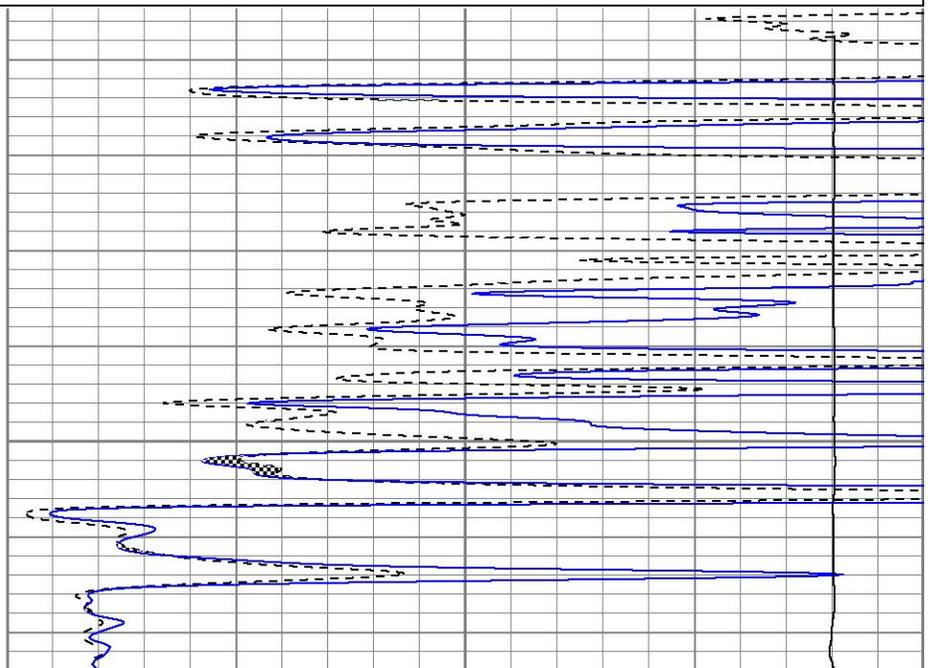
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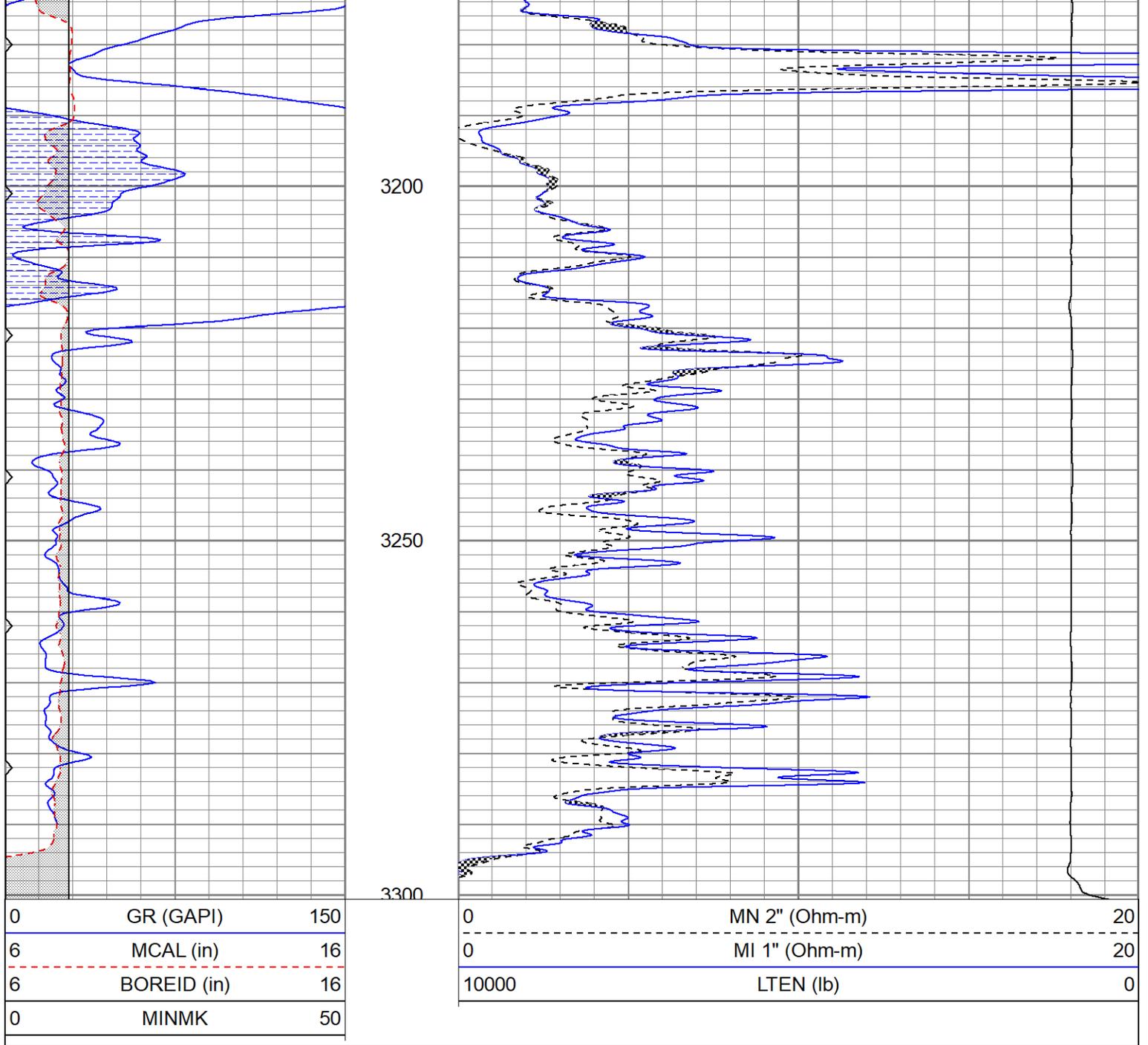
0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0



3150





Calibration Report

Database File perolfs#1oh.db
 Dataset Pathname pass4.1
 Dataset Creation Sun Oct 22 13:12:10 2023

Microlog Calibration Report

Serial-Model: 012-Pengo
 Performed: Sun Oct 22 09:45:29 2023

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0242	0.1065	V	0.0000	10.0000	Ohm-m	121.4840	-2.5085
Inverse	0.0252	0.1299	V	0.0000	10.0000	Ohm-m	95.5363	-2.2091
Caliper	2.7578	4.6384	V	8.8500	16.0000	in	3.8020	-1.6351

Gamma Ray Calibration Report

Serial Number: 2001
 Tool Model: OH
 Performed: Mon Mar 13 07:38:49 2023

Calibrator Value: 1.0 GAPI
 Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 1.0000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	8.13		CHD-None	0.75	1.50	5.00
MCAL	1.30		GR-OH (2001) 2001	3.56	3.25	40.00
MI	1.30		ML-Pengo (012)	6.97	3.50	100.00
MN	1.30					

Dataset: perolfs#1oh.db: field/well/run1/pass4
 Total length: 11.28 ft
 Total weight: 145.00 lb
 O.D.: 3.50 in