



MICRO RESISTIVITY LOG

Company Palomino Petroleum

Well Laird #1

Field Revilo

County Trego

State Kansas

Location:

API #: 15 195 23008

1672' FNL & 465' FWL

SEC 18 TWP 15S RGE 25W

Permanent Datum Ground Level Elevation 2378'
Log Measured From KB 11' AGL
Drilling Measured From KB

Elevation

K.B. 2389'
D.F. 2388'
G.L. 2378'

Date

9-13-16

Run Number

Two

Depth Driller

4430'

Depth Logger

4430'

Bottom Logged Interval

4428'

Top Log Interval

3500'

Casing Driller

8 5/8" @ 222'

Casing Logger

222'

Bit Size

7 7/8"

Type Fluid in Hole

Chemical

Density / Viscosity

9.2/60

pH / Fluid Loss

11.5/6.8

Source of Sample

Pit

Rm @ Meas. Temp

2.6@60degf

Rmf @ Meas. Temp

1.95@60degf

Rmc @ Meas. Temp

3.12@60degf

Source of Rmf / Rmc

Calculated

Rm @ BHT

1.36@114degf

Time Circulation Stopped

10:45 p.m.

Time Logger on Bottom

2:20 a.m.

Maximum Recorded Temperature

114degf

Equipment Number

T127

Location

Hays, KS

Recorded By

Gus Pfannenstiel

Witnessed By

Mr. Andrew Stenzel

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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

Thanks for using Gemini Wireline LLC
785-625-1182

East of Utica to Rd. E, North 8 miles East into.

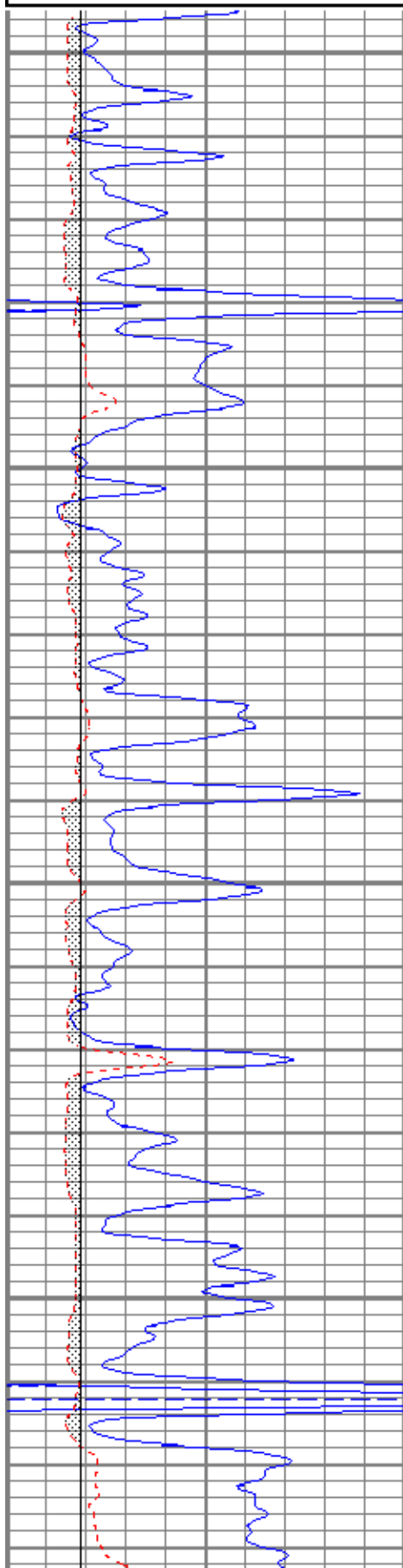


Main Pass

Database File pplaird#1oh.db
Dataset Pathname pass4
Presentation Format kml
Dataset Creation Tue Sep 13 02:24:31 2016
Charted by Depth in Feet scaled 1:240

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

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

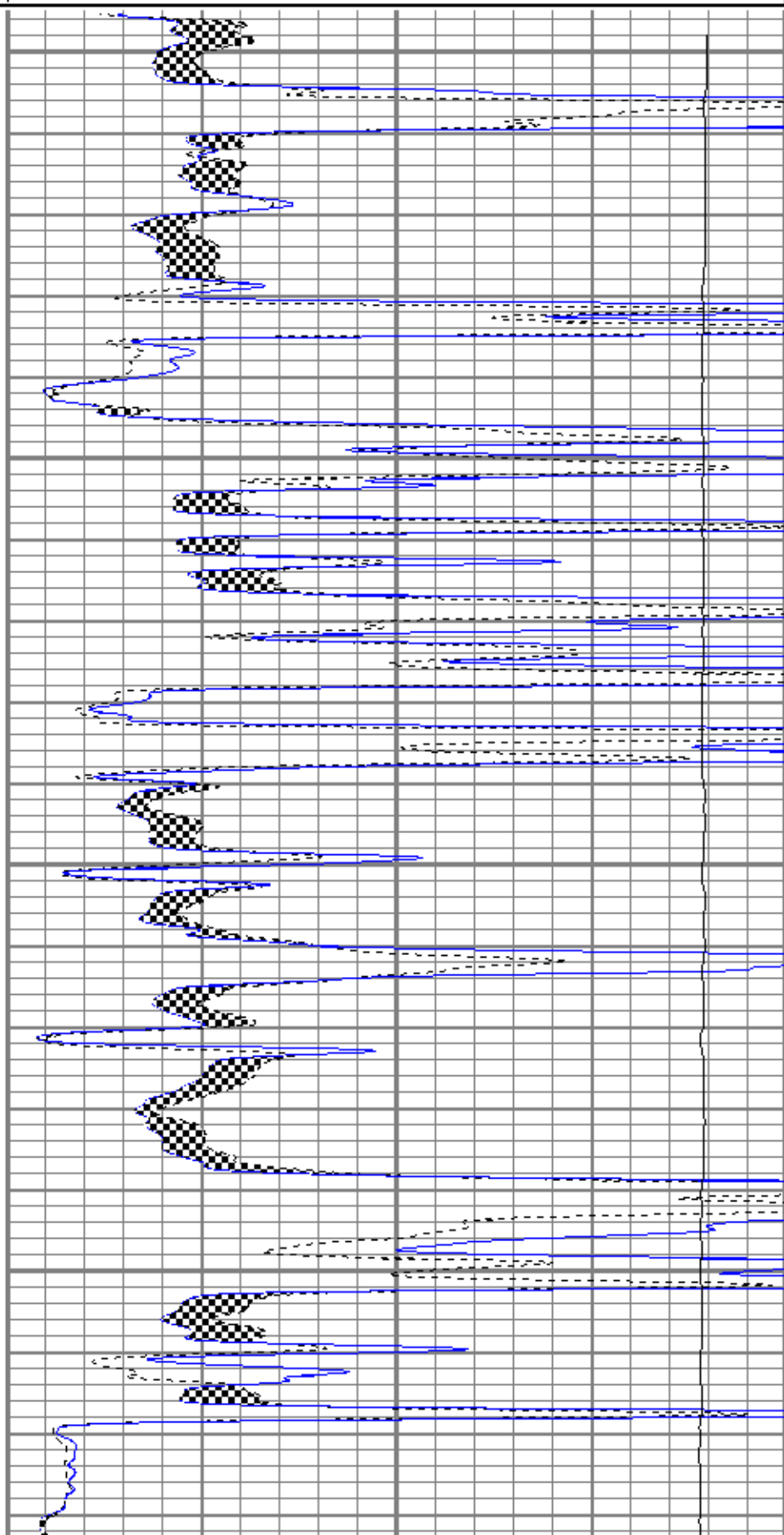


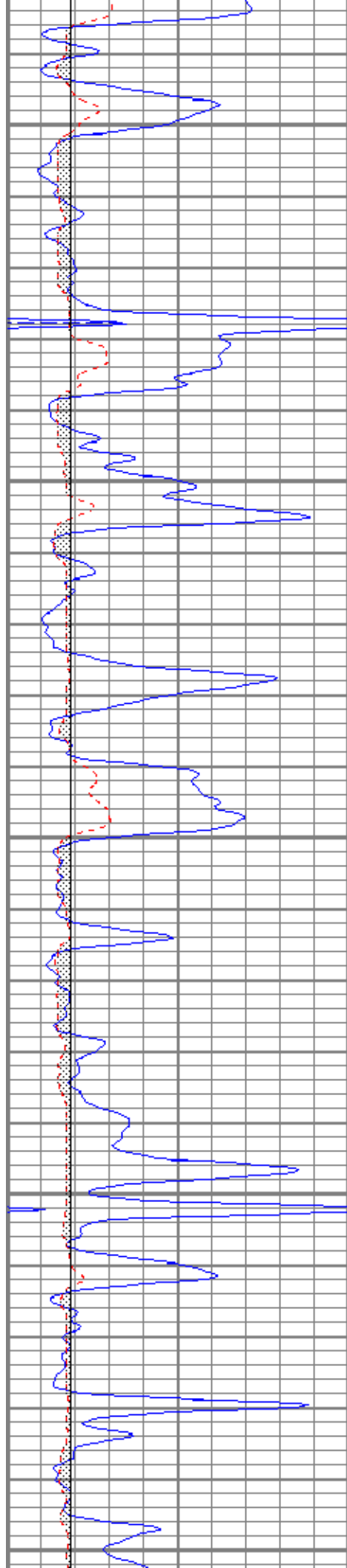
3500

3550

3600

3650





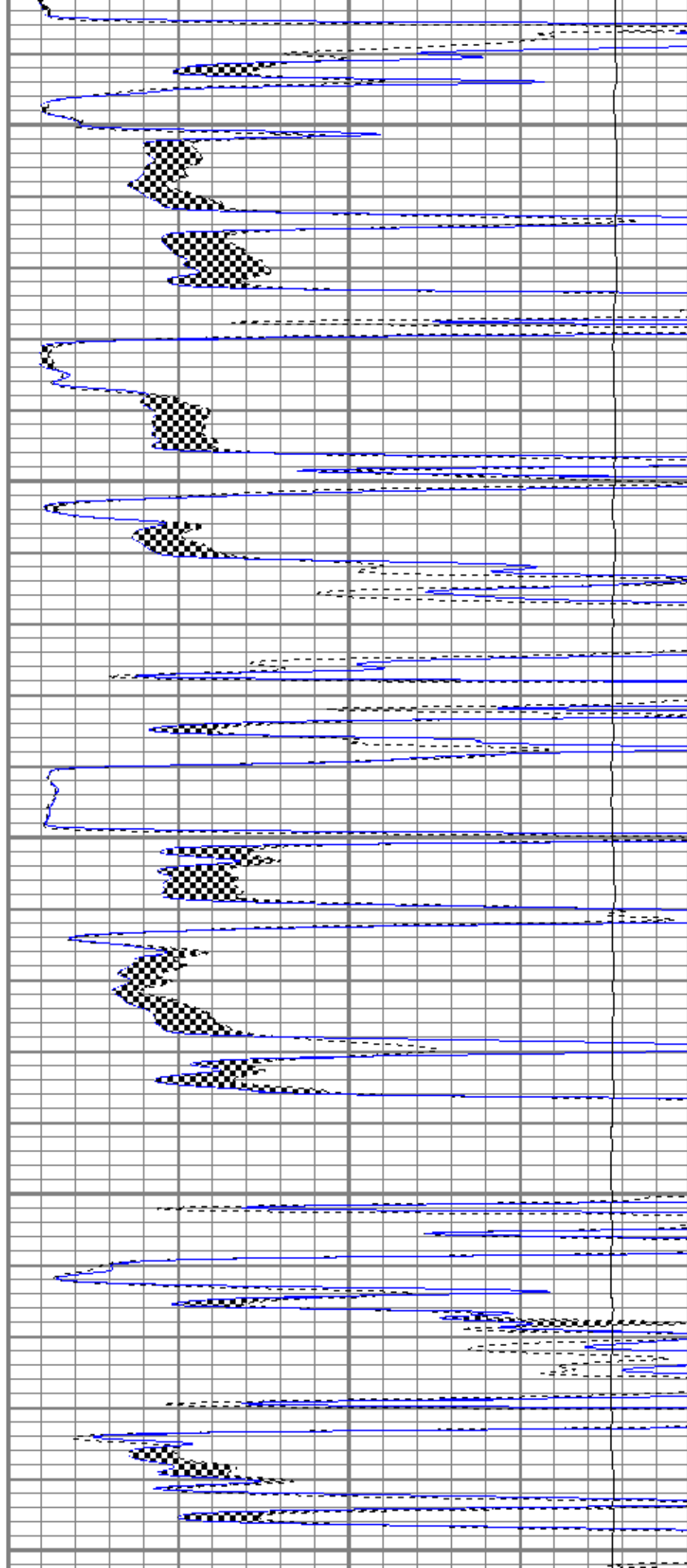
3700

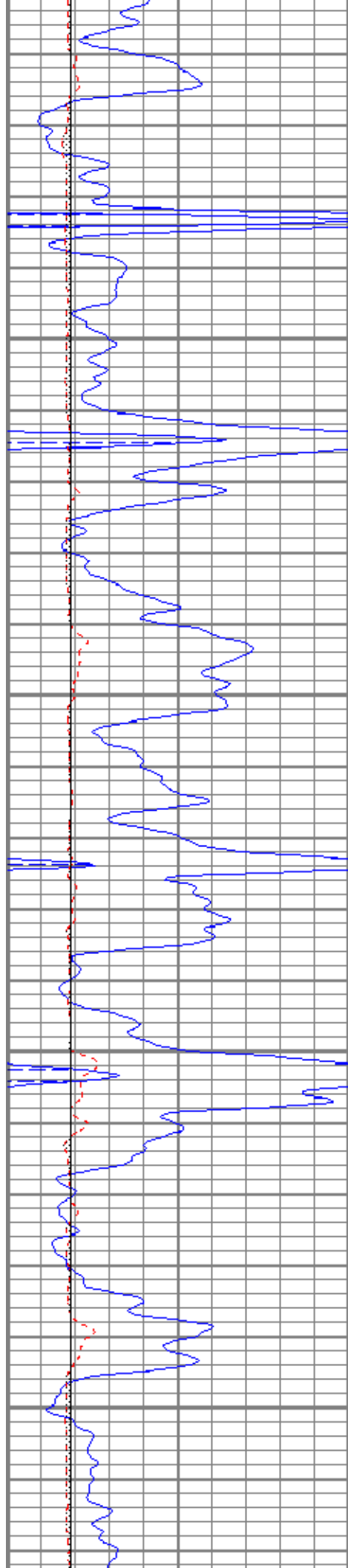
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3800

3850

3900



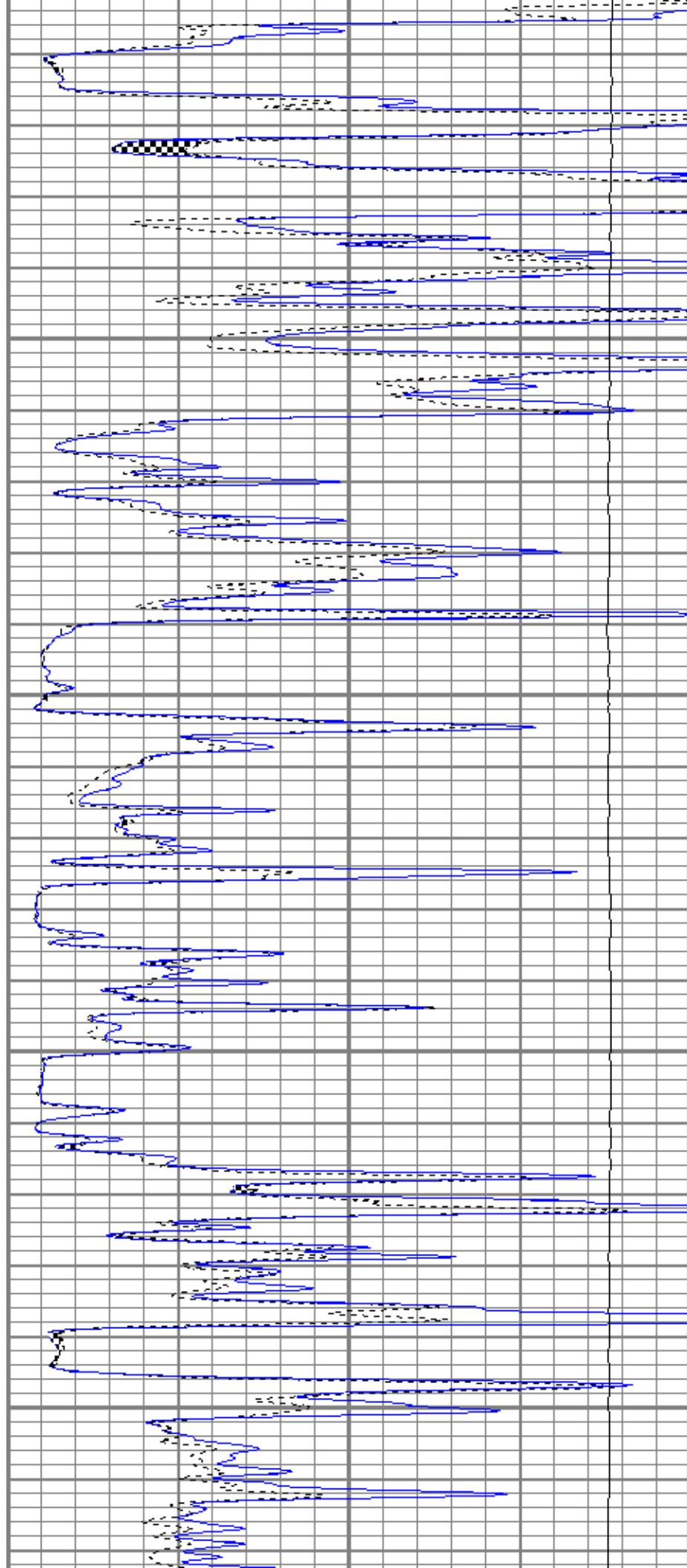


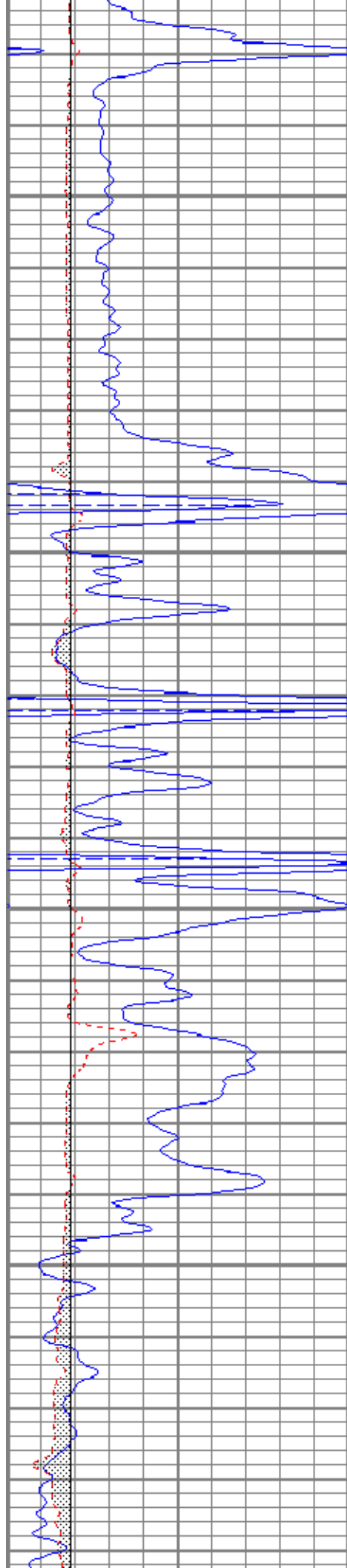
3950

4000

4050

4100



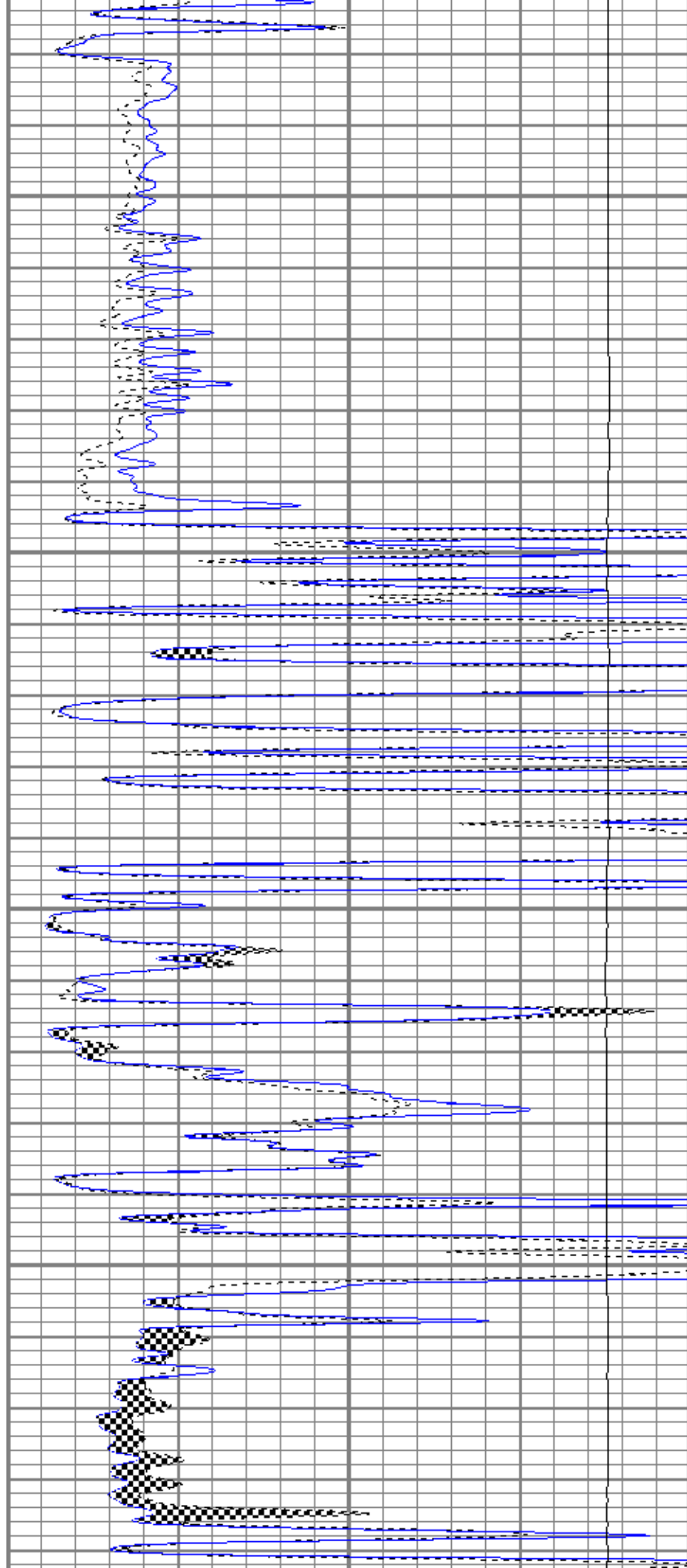


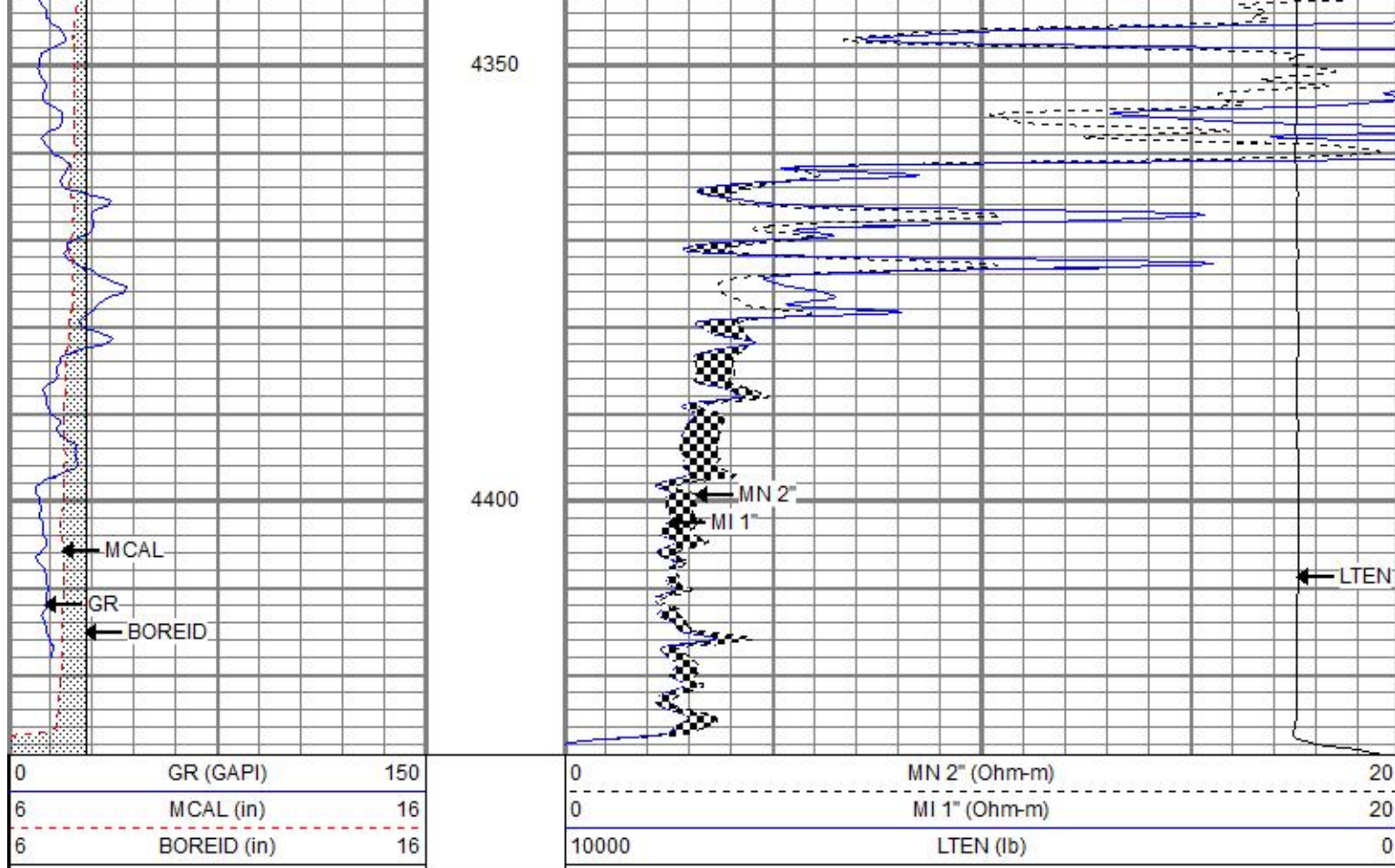
4150

4200

4250

4300

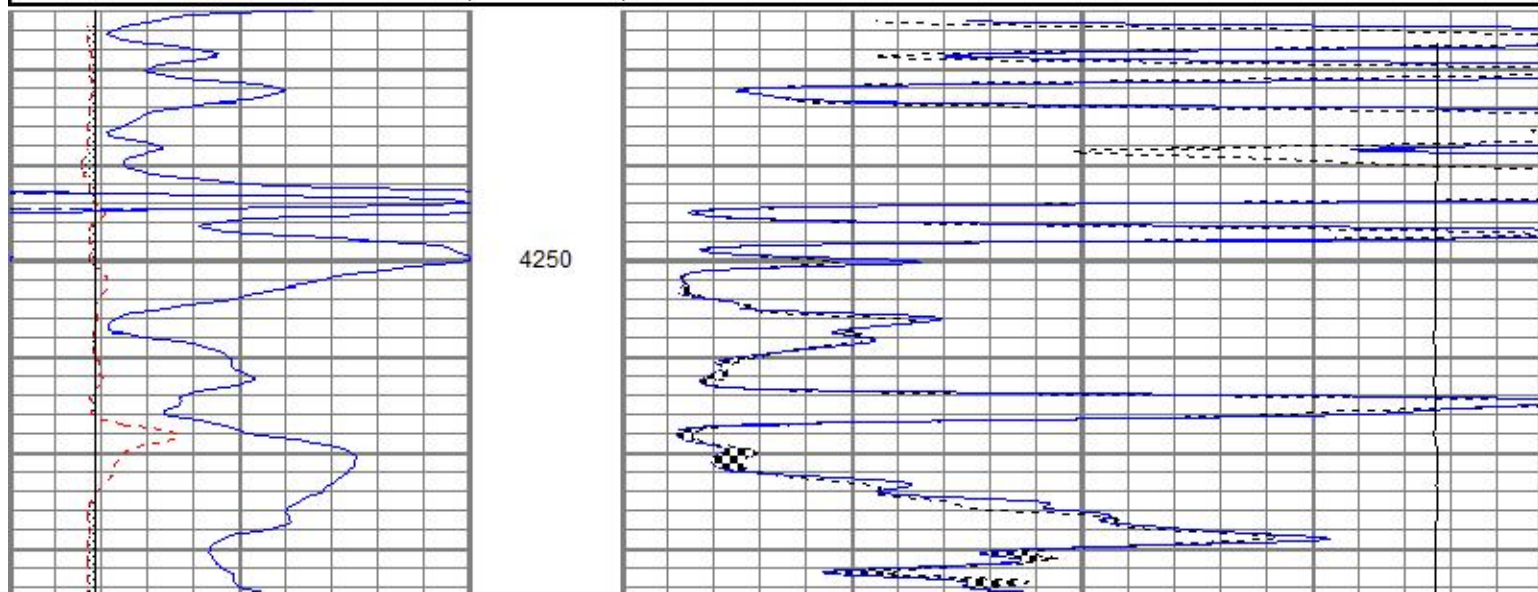


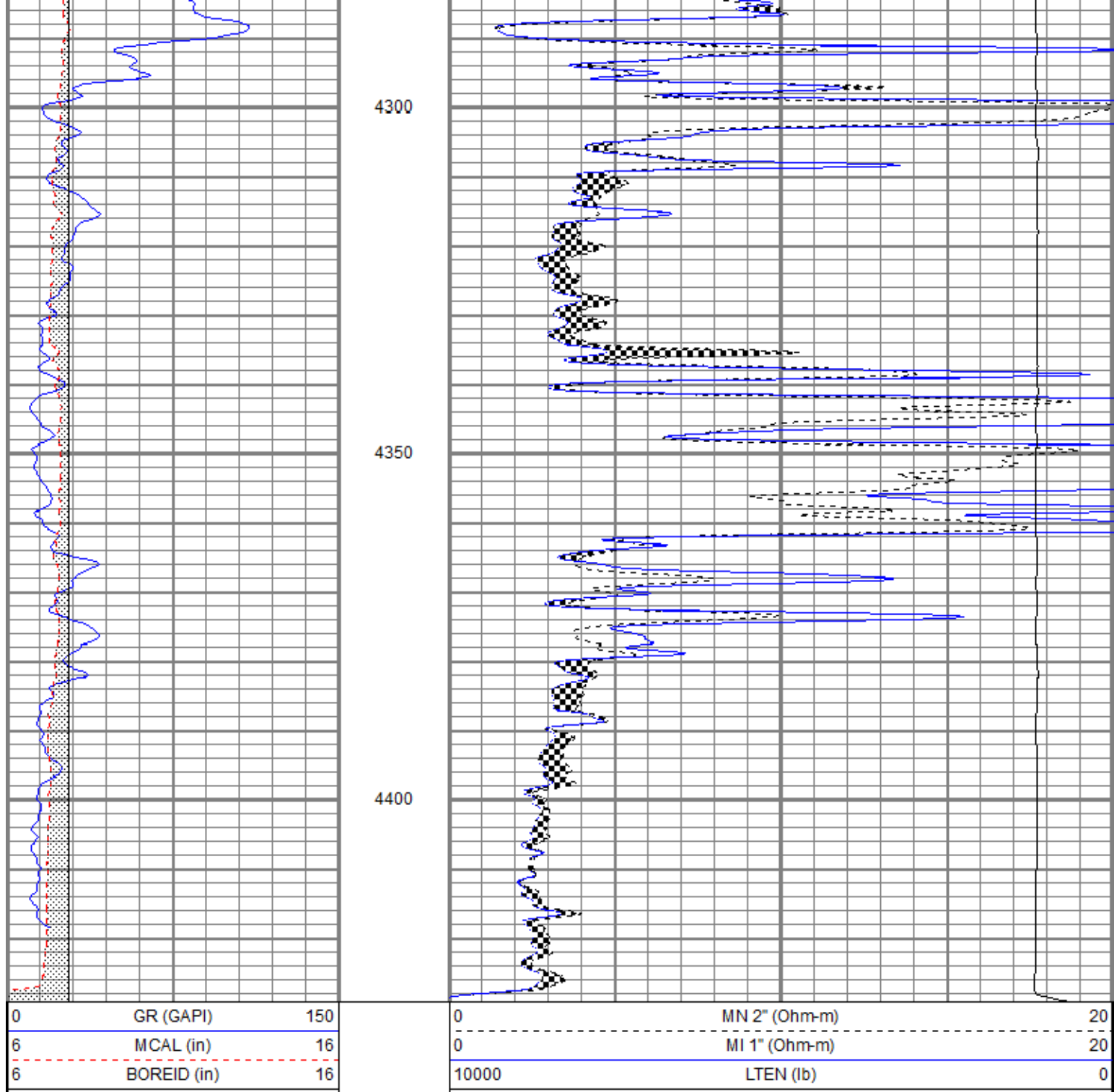


Repeat Pass

Database File pplaird#1oh.db
 Dataset Pathname pass3
 Presentation Format kml
 Dataset Creation Tue Sep 13 02:16:49 2016
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	0	MN 2" (Ohm-m)	20
6	MCAL (in)	16	0	MI 1" (Ohm-m)	20
6	BOREID (in)	16	10000	LTEN (lb)	0





Calibration Report								
Database File	pplaird#1oh.db							
Dataset Pathname	pass3							
Dataset Creation	Tue Sep 13 02:16:49 2016							
Microlog Calibration Report								
Serial-Model:			012-Pengo					
Performed:			Wed Apr 20 21:39:52 2016					
Readings				References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0073	0.4397	V	0.0000	11.0000	Ohm-m	25.4408	-0.1852
Inverse	0.0081	0.5639	V	0.0000	7.5000	Ohm-m	13.4956	-0.1100
Caliper	2.0530	4.7700	V	7.5000	14.0000	in	2.3924	2.5884

Gamma Ray Calibration Report

Serial Number:	2001	
Tool Model:	OH	
Performed:	Thu Jan 21 09:36:03 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	8.13		GR-OH (2001)	3.56	3.25	40.00
MCAL	1.30		2001			
MI	1.30		ML-Pengo (012)	6.97	3.50	100.00
MN	1.30					
Dataset: pplaird#1oh.db: field/well/run1/pass3						
Total length: 10.53 ft						
Total weight: 140.00 lb						
O.D.: 3.50 in						