



**MICRO
RESISTIVITY
LOG**

Company John O. Farmer, Inc.

Well Leiker Unit #1

Field Wildcat

County Thomas

State KS

Location: API #: 15 193 20964

SEC 12 TWP 6S RGE 33W

Permanent Datum Ground Level Elevation 3078'

Log Measured From KB 8' AGL

Drilling Measured From KB

Other Services
DIL
CDNL

Elevation

K.B. 3086'

D.F. 3085'

G.L. 3078'

Date 7-25-16

Run Number Two

Depth Driller 4610'

Depth Logger 4612'

Bottom Logged Interval 4610'

Top Log Interval 3600'

Casing Driller 263'

Casing Logger 263'

Bit Size 7 7/8"

Type Fluid in Hole Chemical Mud

Density / Viscosity 9.3/56

pH / Fluid Loss 10/9.6

Source of Sample Pit

Rm @ Meas. Temp 2.5@76degf

Rmf @ Meas. Temp 1.87@76degf

Rmc @ Meas. Temp 3.0@76degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.52@125degf

Time Circulation Stopped 10:30 p.m.

Time Logger on Bottom 2:15 a.m.

Maximum Recorded Temperature 125 degf

Equipment Number T127

Location Hays, KS.

Recorded By Gus Pfannenstiel

Witnessed By Mr. 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

North of Colby to DD Rd., East 4 miles

Thank you for using Gemini Wireline
785-625-1182

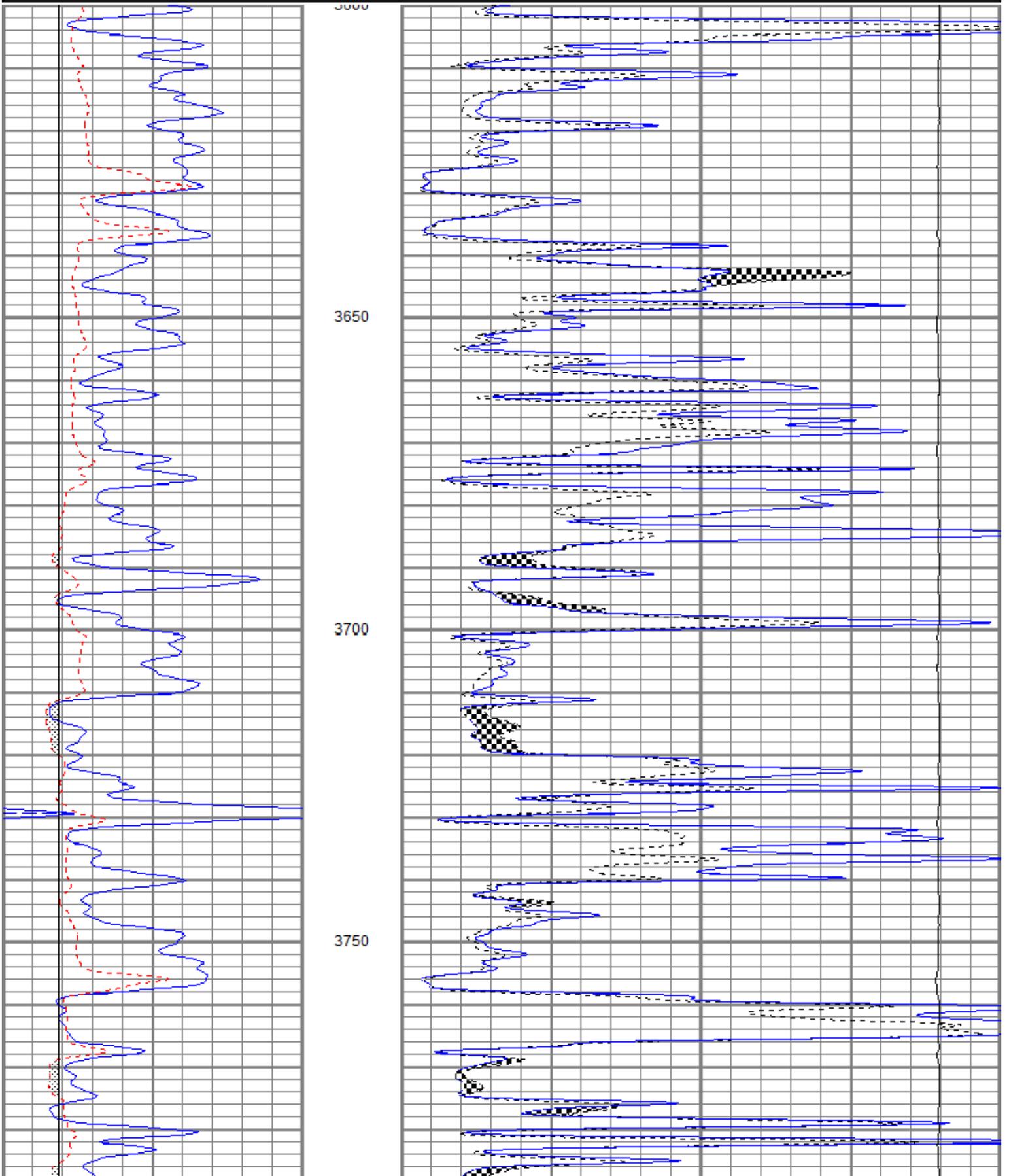


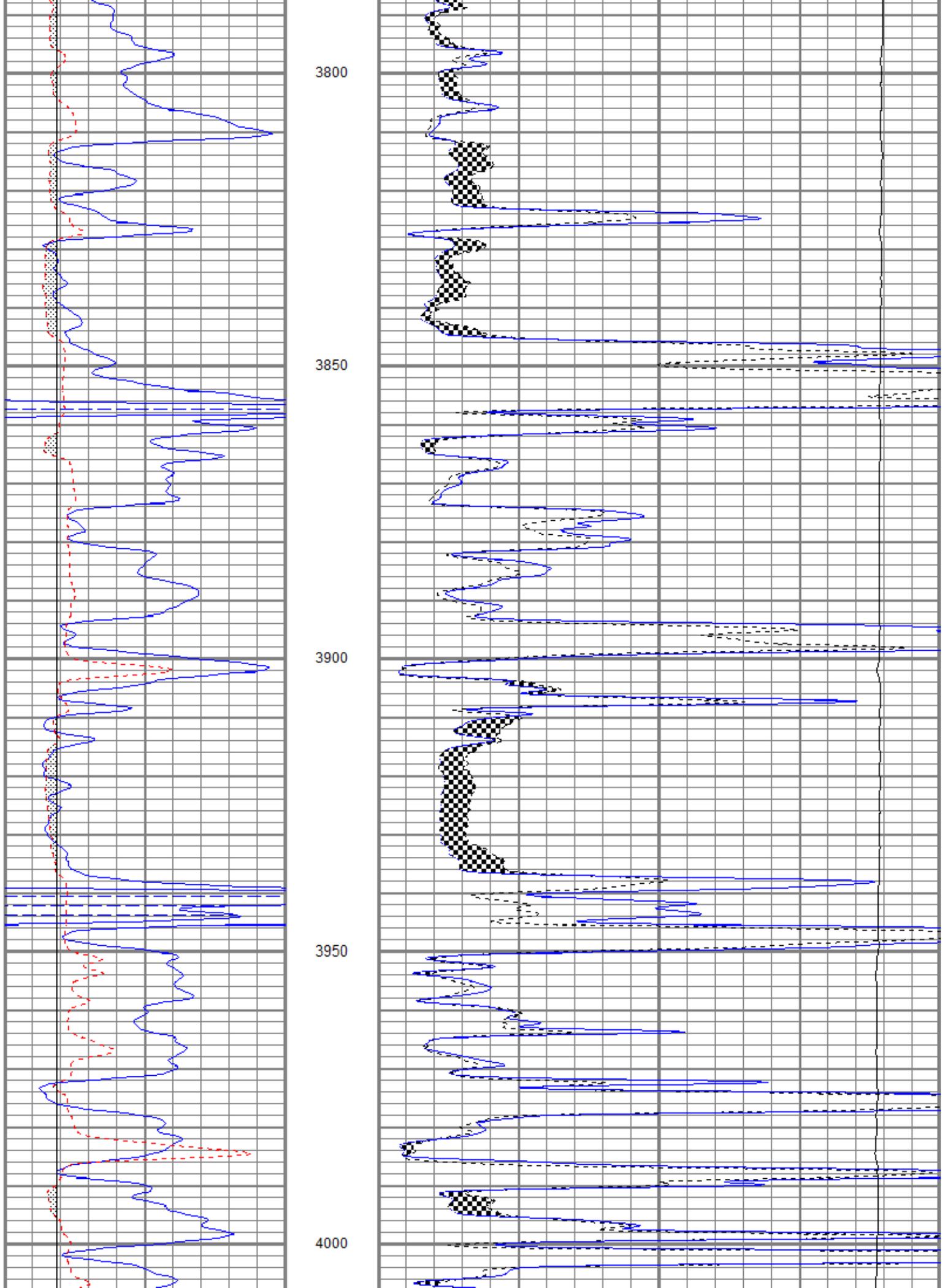
Main Pass

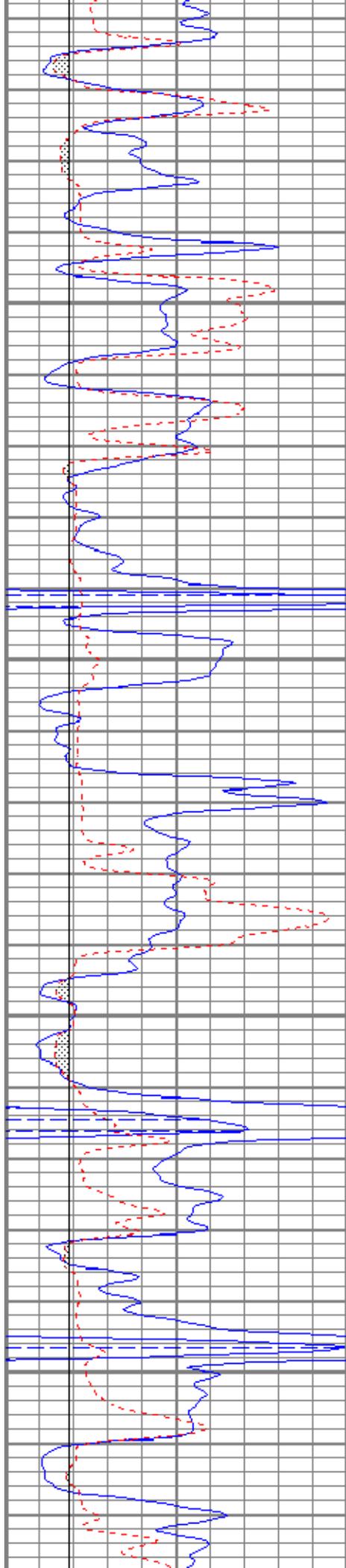
Database File jofleikerunit#1oh.db
 Dataset Pathname pass4
 Presentation Format kml
 Dataset Creation Mon Jul 25 02:24:00 2016
 Charted by Depth in Feet scaled 1:240

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





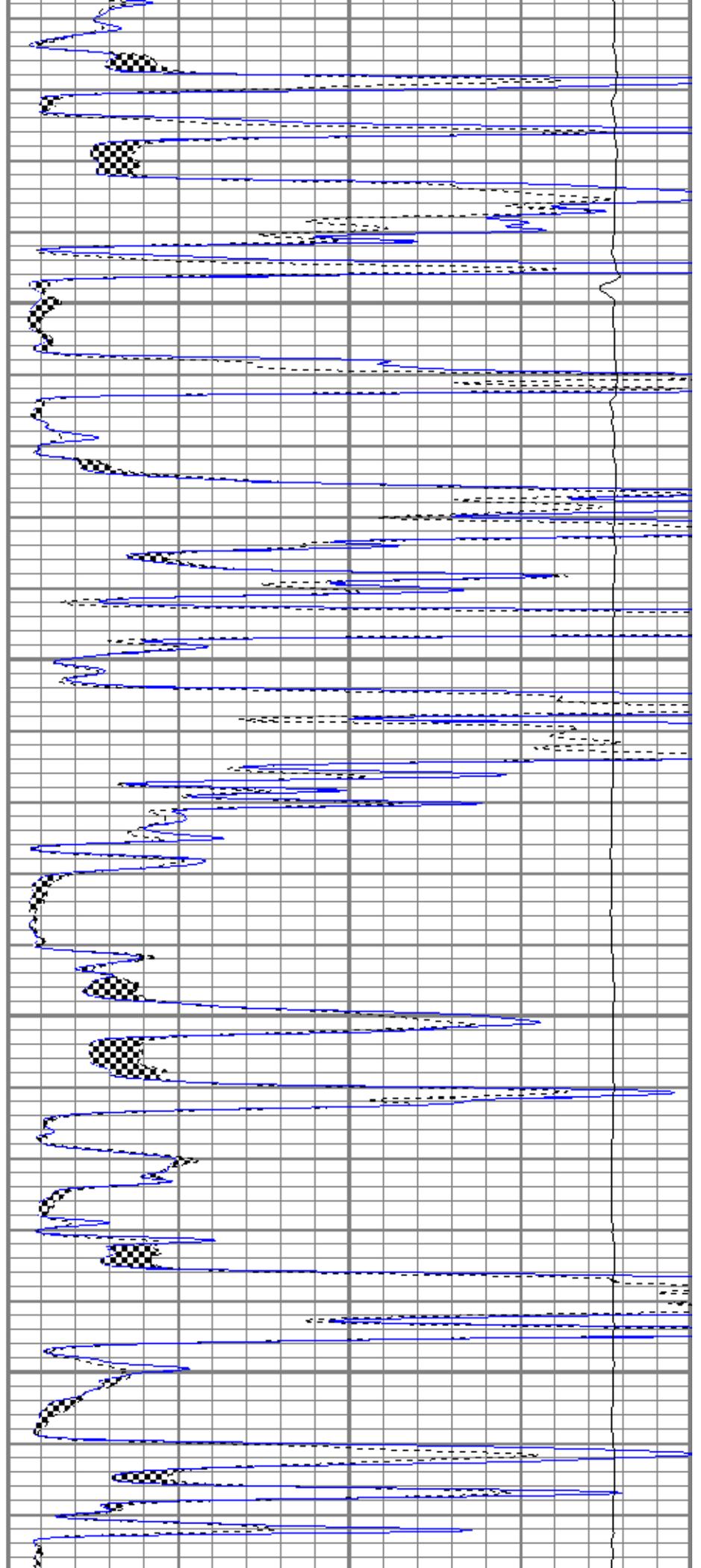


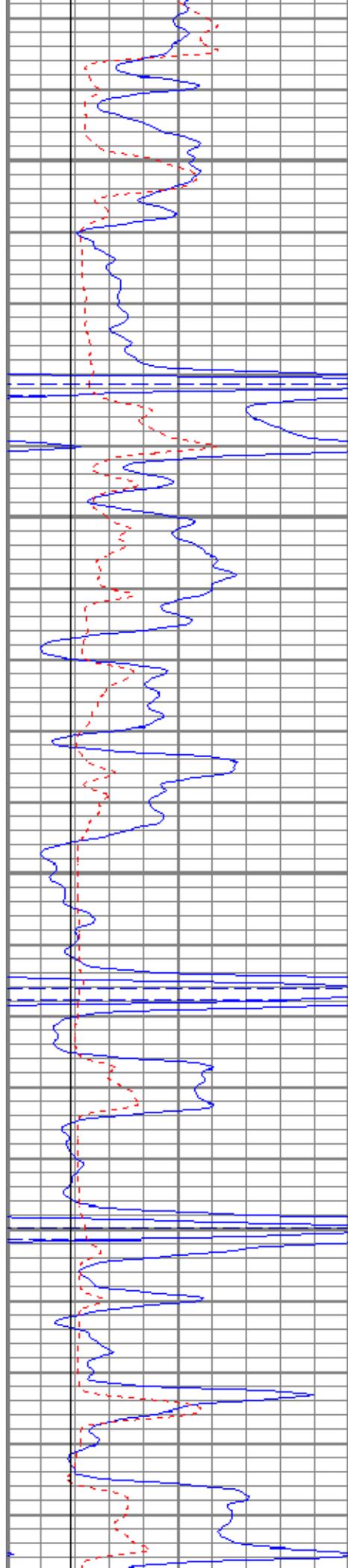
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4100

4150

4200



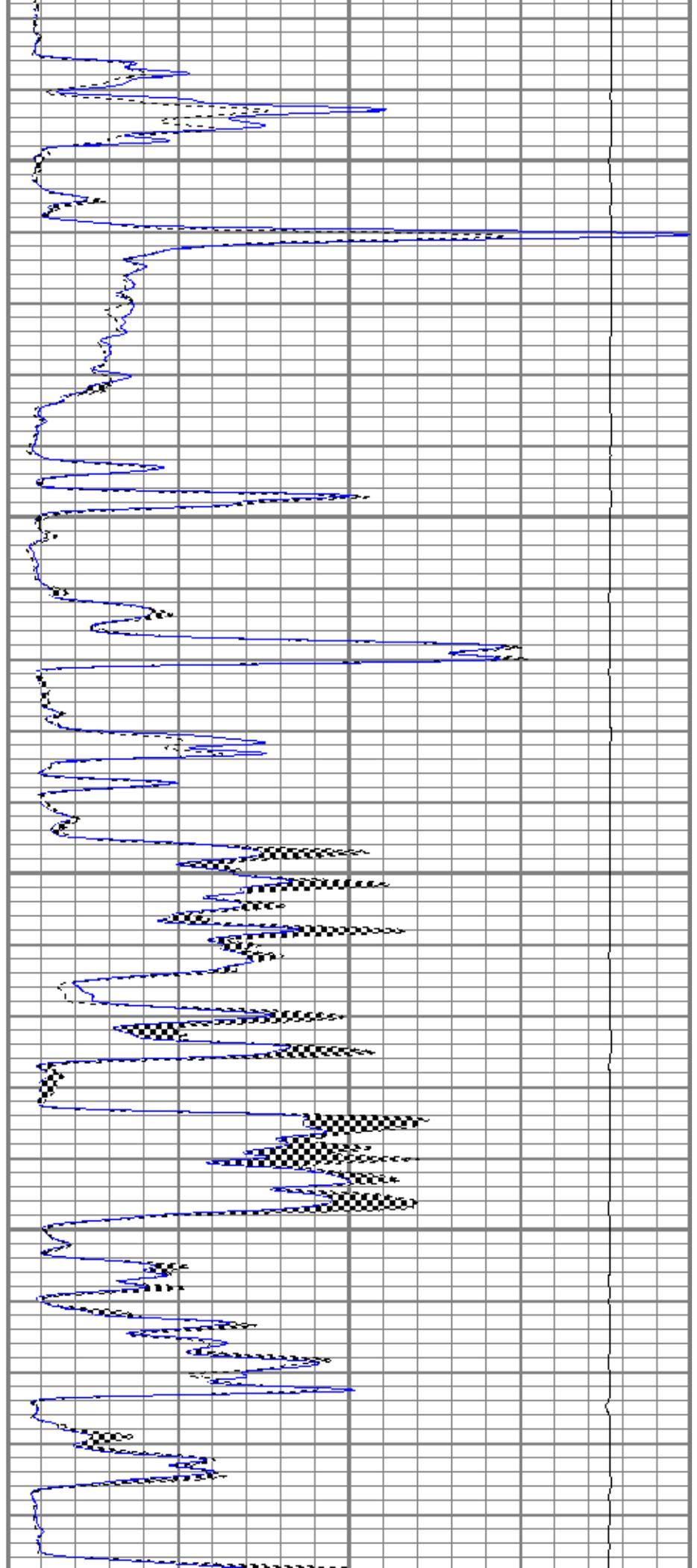


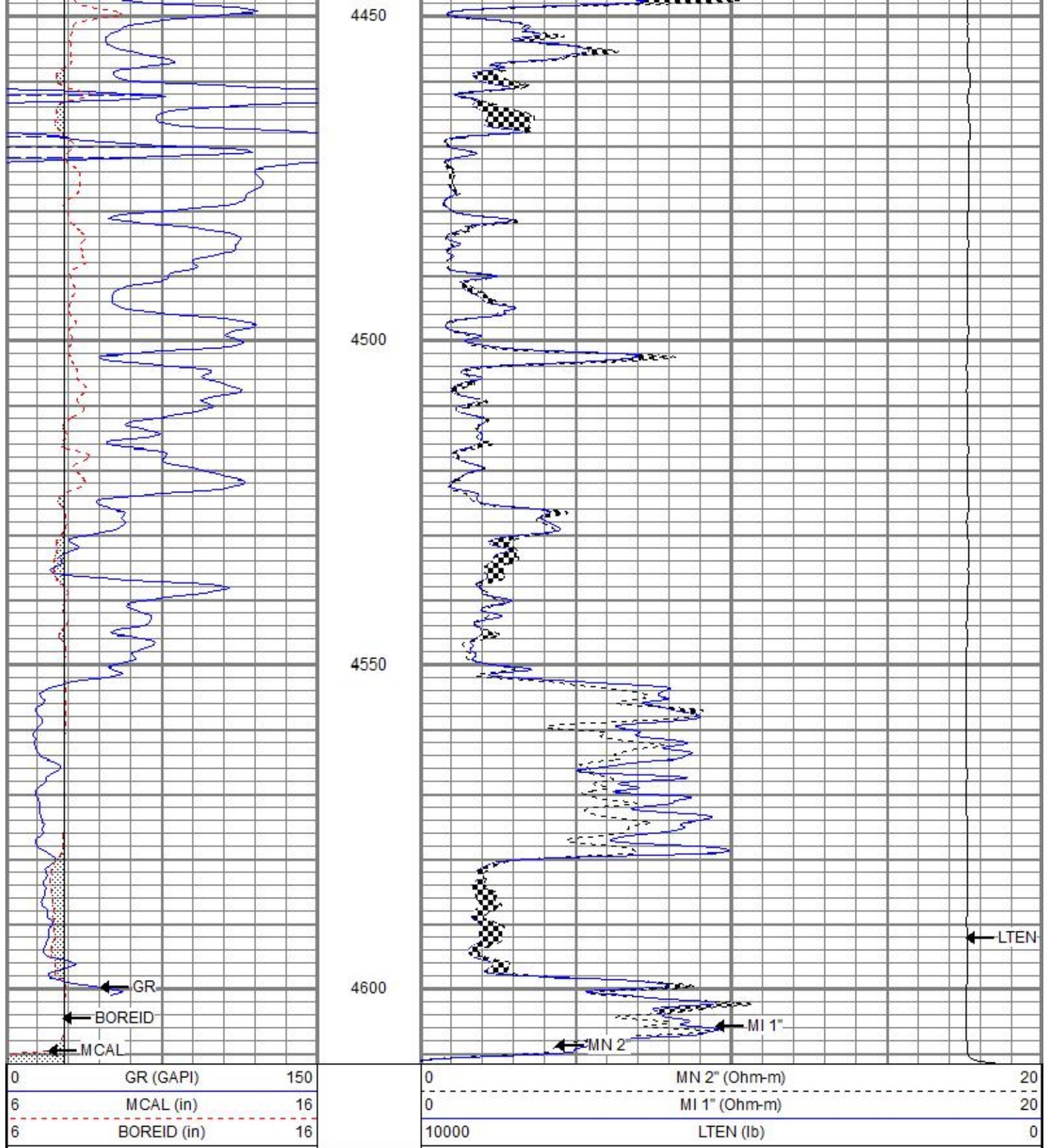
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4300

4350

4400



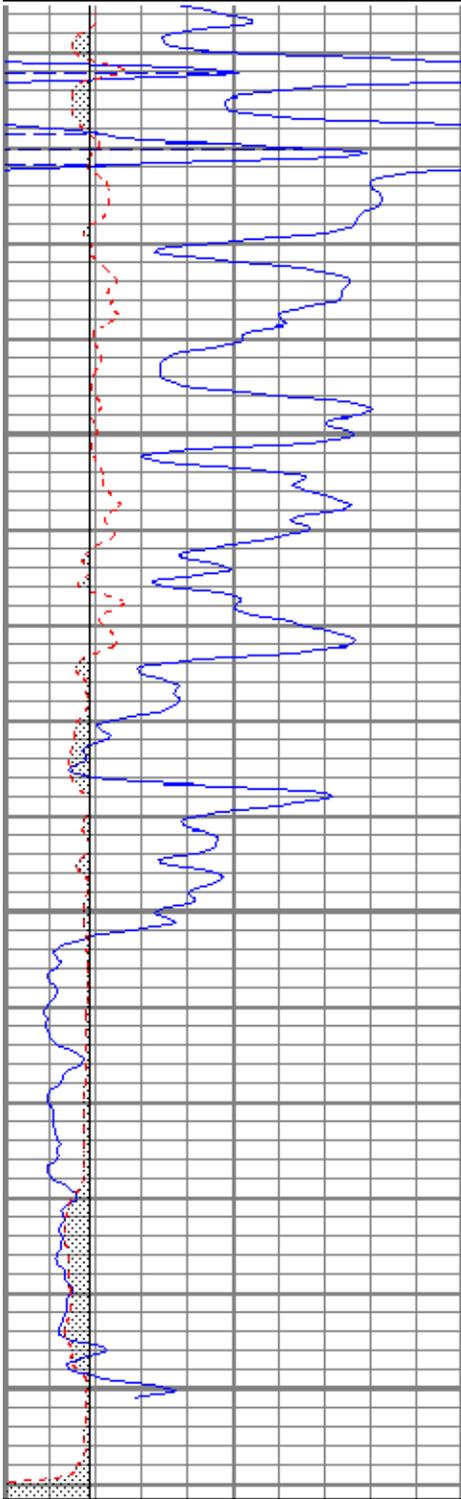


Repeat Pass

Database File jofleikerunit#1oh.db
 Dataset Pathname pass3.1
 Presentation Format kml
 Dataset Creation Mon Jul 25 02:27:42 2016
 Charted by Depth in Feet scaled 1:240

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

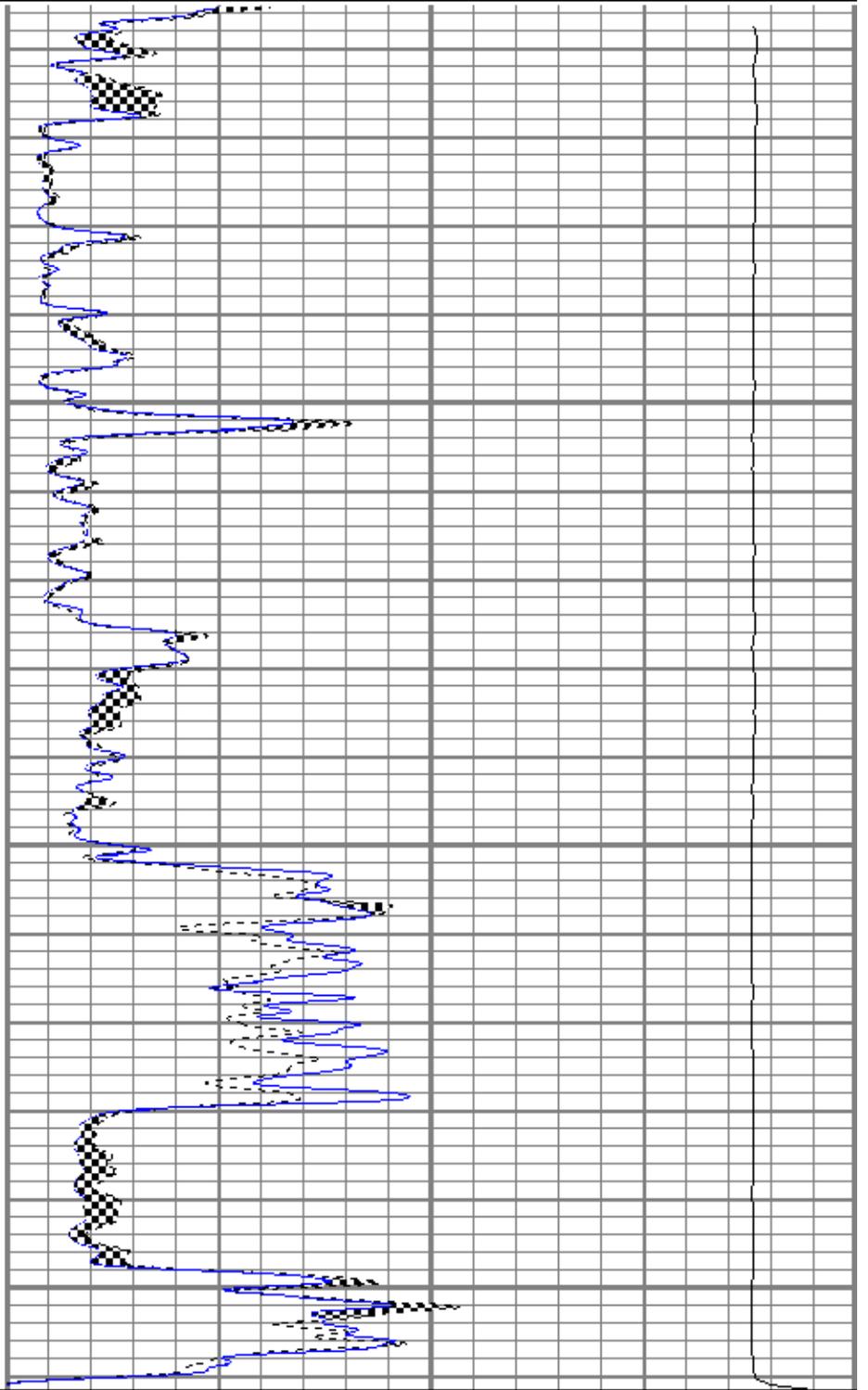
0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0



4500

4550

4600



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

Calibration Report

Database File jofleikerunit#1oh.db
 Dataset Pathname pass3.1
 Dataset Creation Mon Jul 25 02:27:42 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	6.5000	Ohm-m	11.6962	-0.0953
Caliper	2.0536	4.5712	V	7.7000	16.0000	in	3.2967	0.9301

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) 2001	3.56	3.25	40.00
MCAL	1.30		ML-Pengo (012)	6.97	3.50	100.00
MI	1.30					
MN	1.30					
		Dataset:	jofleikerunit#1oh.db: field/well/run1/pass3.1			
		Total length:	10.53 ft			
		Total weight:	140.00 lb			
		O.D.:	3.50 in			