

Company		John O Farmer Inc.	
Well		Waugh A#1	
Field		Wildcat	
County		Wabaunsee	
State		Kansas	
Location:		API # : 15 197 20293	
SEC 7 TWP 15S RGE 12E		1230' FSL & 2570' FEL	
Permanent Datum Log Measured From		Ground Level KB 8' AGL	
Drilling Measured From		KB	
Other Services		DIL CDNL	
Elevation		1319'	
K.B. 1327'		D.F. 1327'	
G.L. 1319'			
Date	10-26-11		
Run Number	Two		
Depth Driller	3144'		
Depth Logger	3140'		
Bottom Logged Interval	3138'		
Top Log Interval	250'		
Casing Driller	305'		
Casing Logger	305'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud		
Density / Viscosity	9.3/52		
pH / Fluid Loss	9.5/9.2		
Source of Sample	Pit		
Rm @ Meas. Temp	3@71degf		
Rmf @ Meas. Temp	2.25@71degf		
Rmc @ Meas. Temp	4.8@71degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.78@120degf		
Time Circulation Stopped	7:15 a.m.		
Time Logger on Bottom	11:30 a.m.		
Maximum Recorded Temperature	120		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	L. Smith		
Witnessed By	Mr. Ted Pfau		

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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

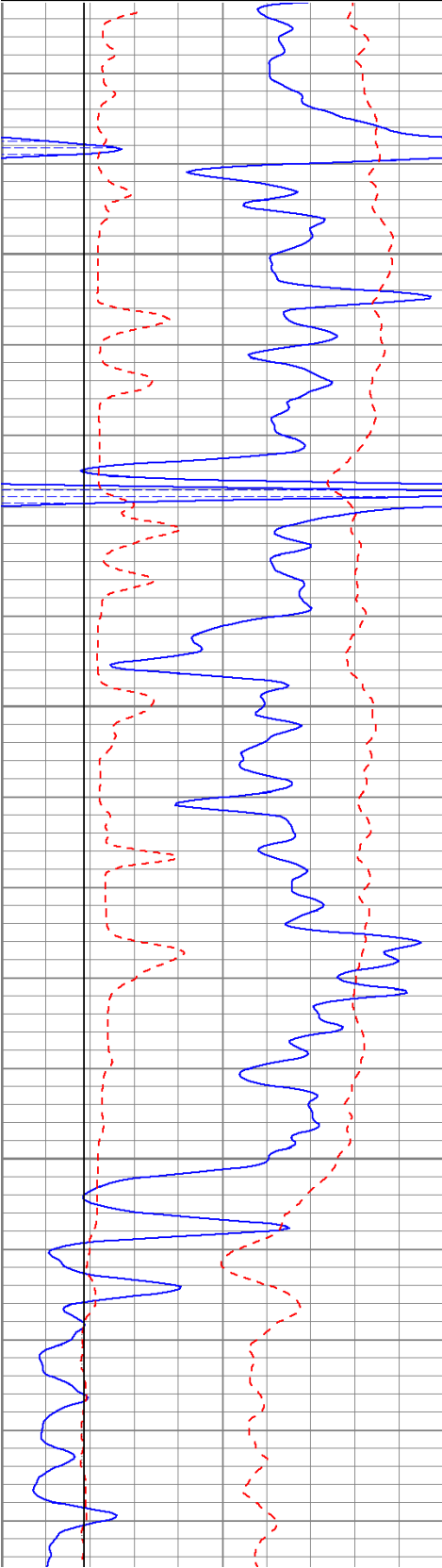
6.5 S of Eskridge, 1.5 W on Elm Creek Rd.

Thank you for using The Perforators LLC
Hays, KS (785) 621-4604

Database File: jofwaugha#1.db
Dataset Pathname: pass4
Presentation Format: kml
Dataset Creation: Wed Oct 26 12:07:03 2011 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
-100	SP (mV)	100

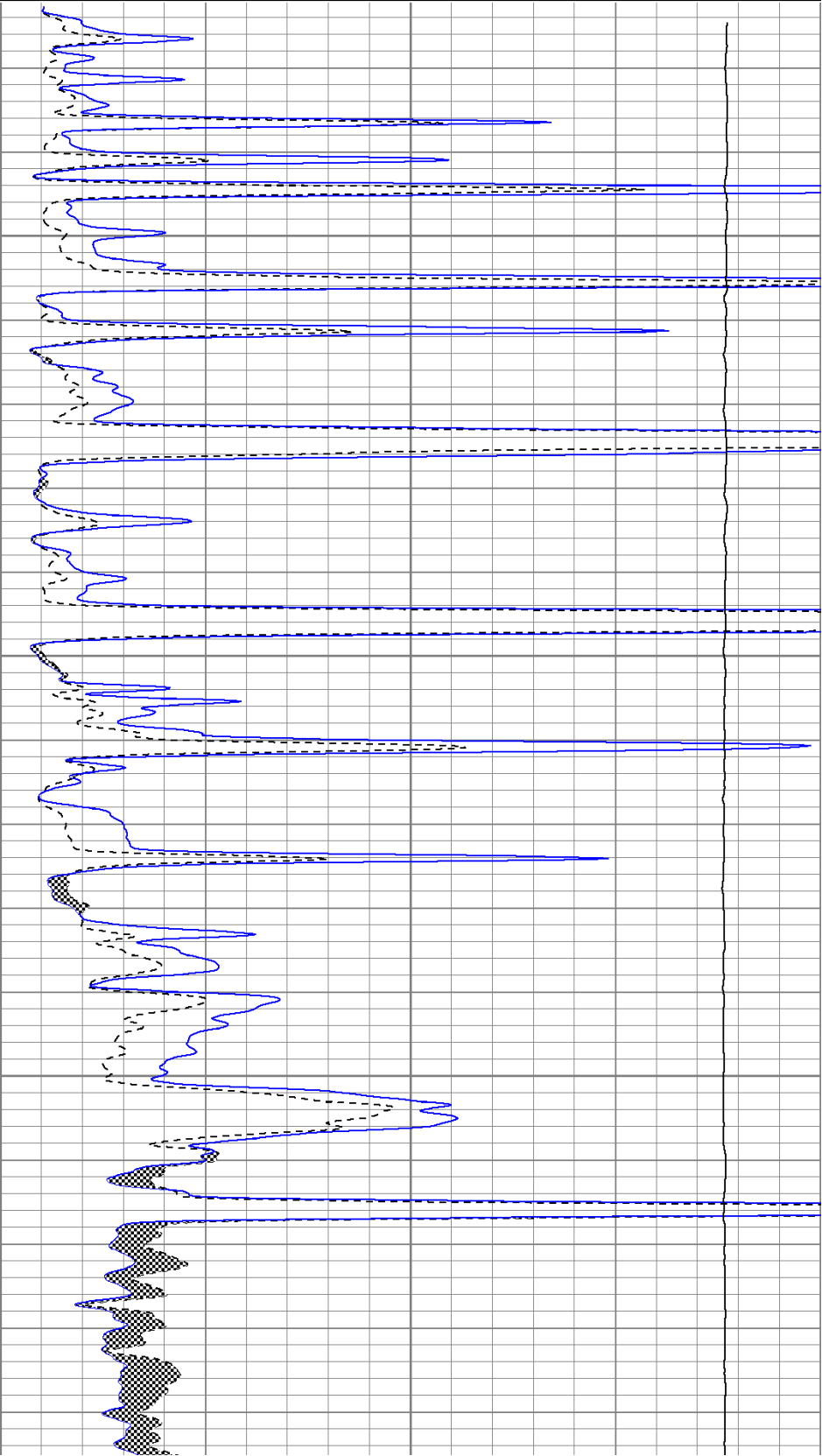
0	MN 2" (Ohm-m)	40
0	MI 1" (Ohm-m)	40
10000	LTEN (lb)	0

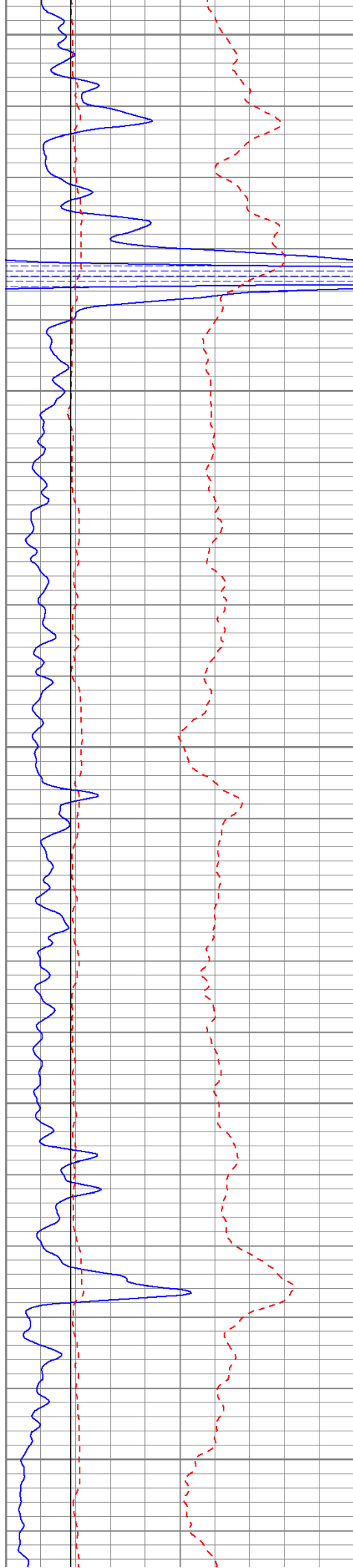


2200

2250

2300





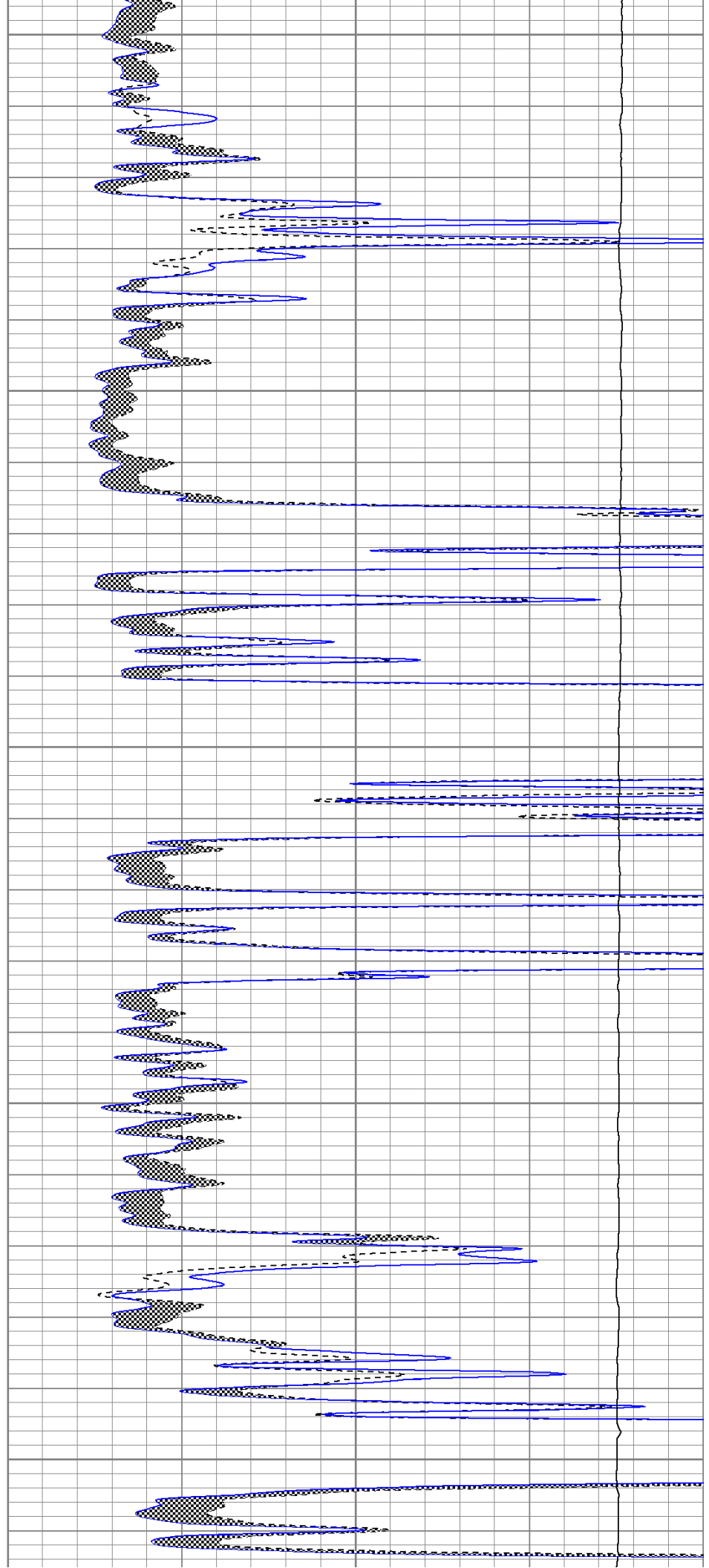
2350

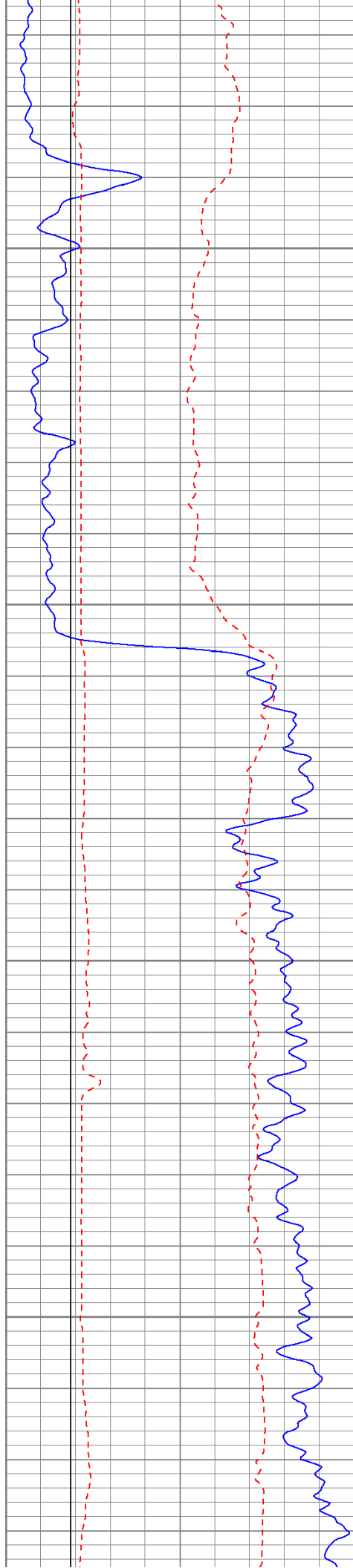
2400

2450

2500

2550



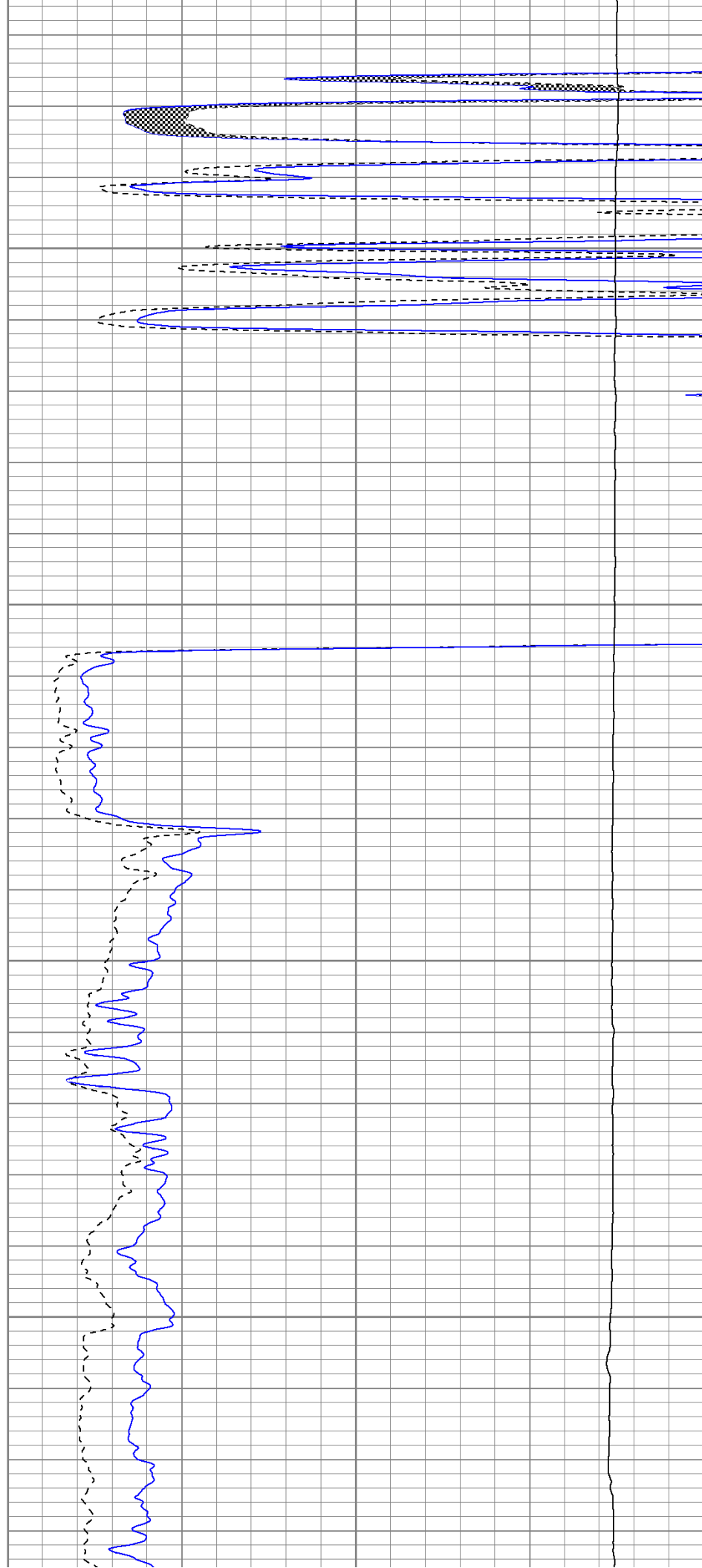


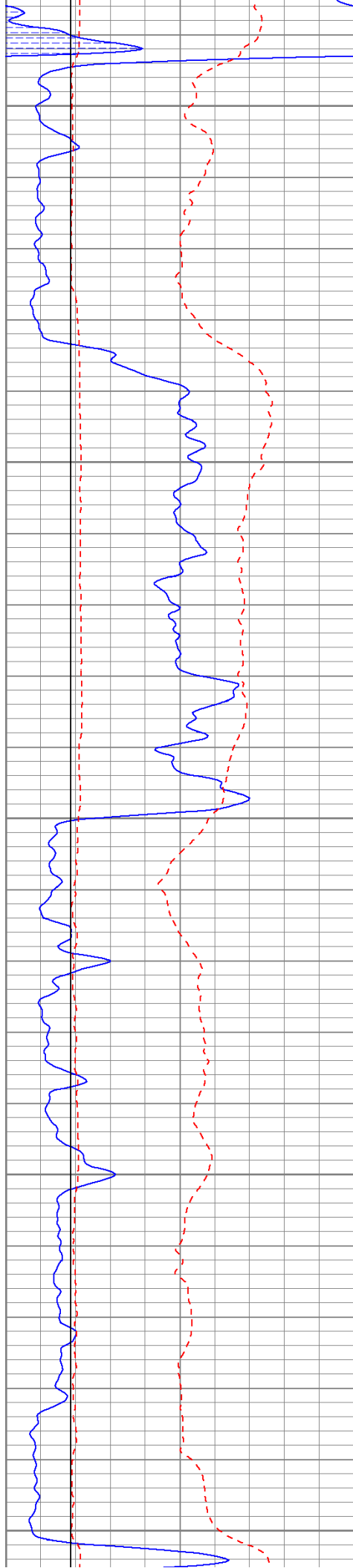
2600

2650

2700

2750





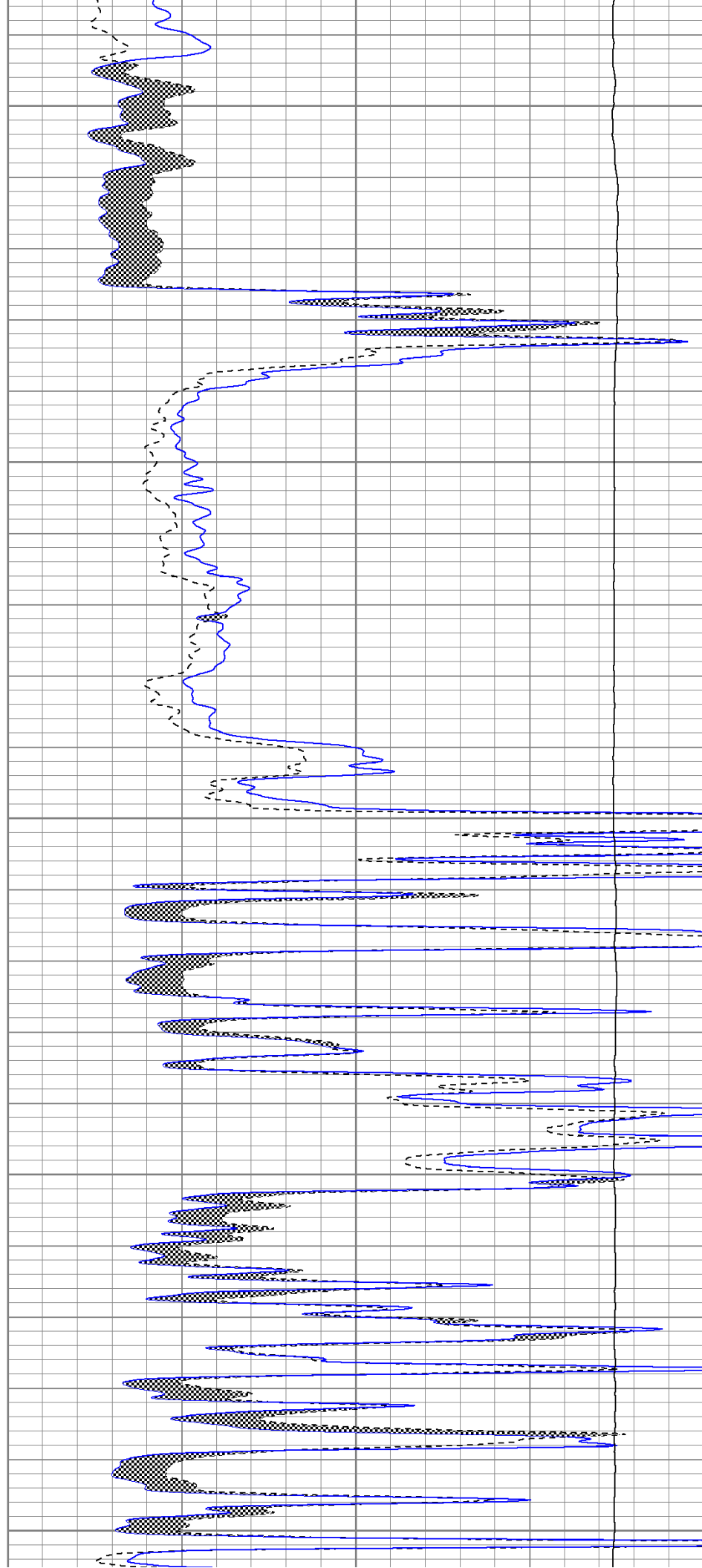
2800

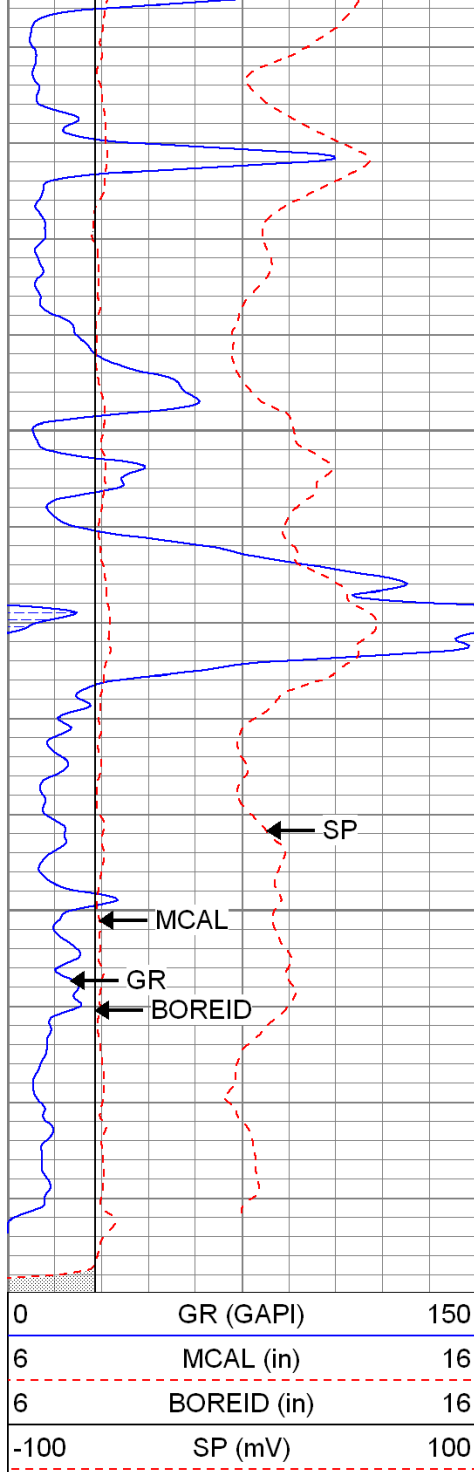
2850

2900

2950

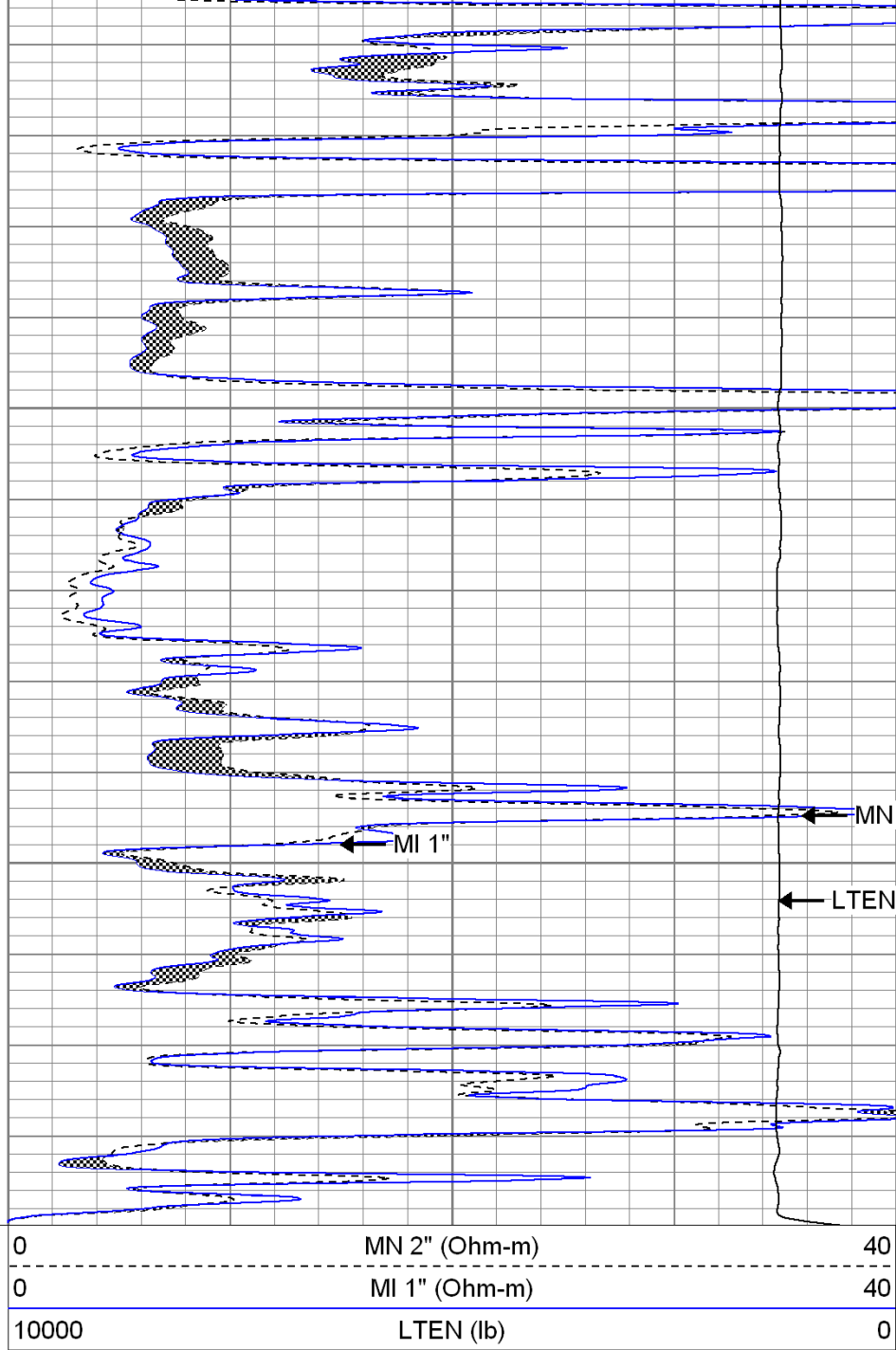
3000





3050

3100



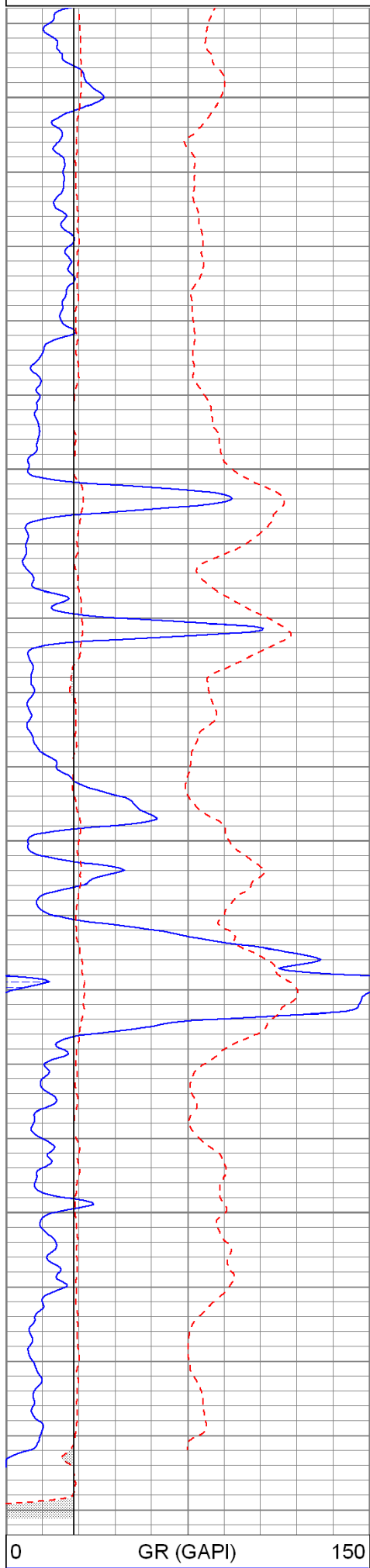
Repeat Pass

Database File: jofvaugha#1.db
 Dataset Pathname: pass3
 Presentation Format: kml
 Dataset Creation: Wed Oct 26 11:54:24 2011 by Log Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
-100	SP (mV)	100

0	MN 2" (Ohm-m)	40
0	MI 1" (Ohm-m)	40
10000	LTEN (lb)	0

-100 SP (mv) 100

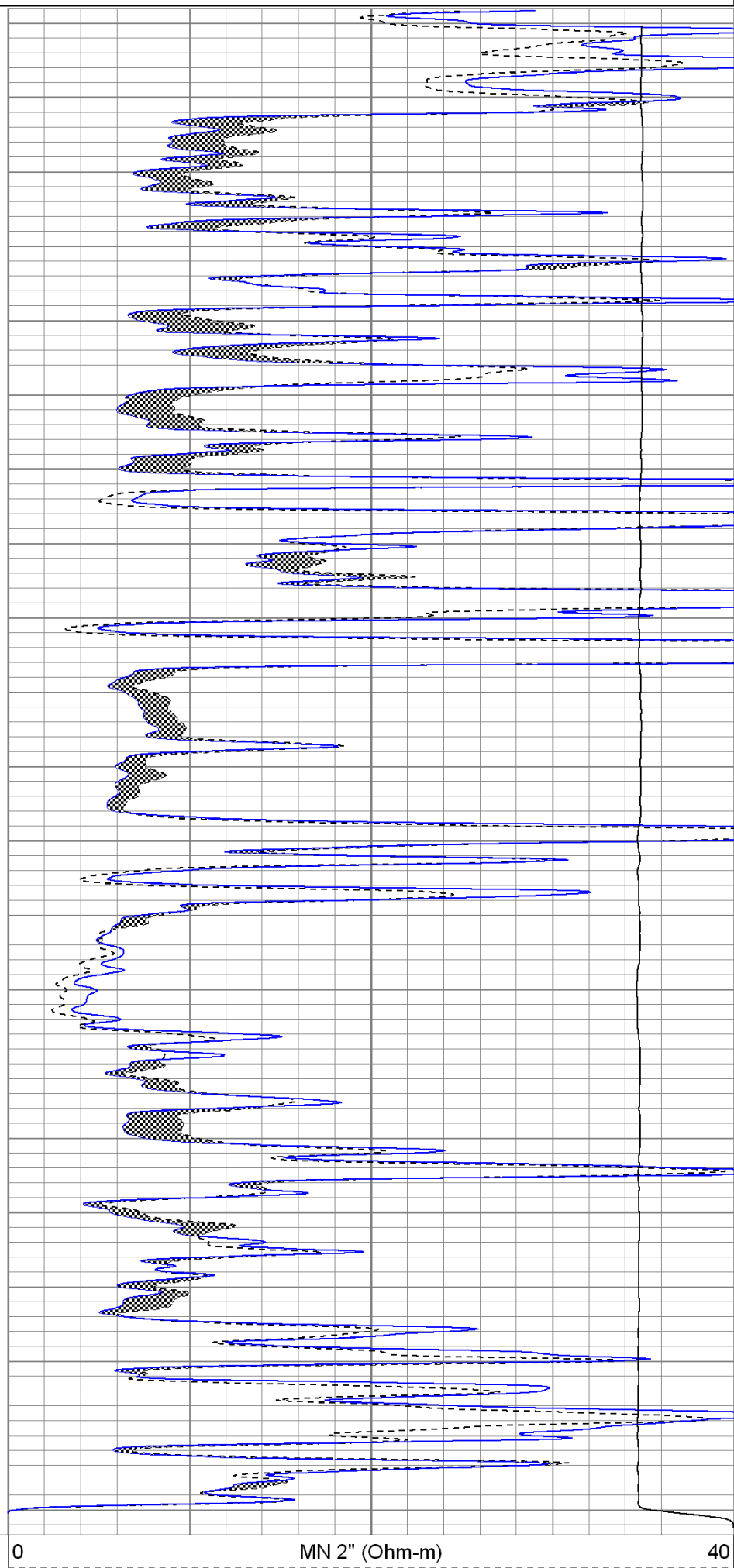


2950

3000

3050

3100



MN 2" (Ohm-m)

40

6	MCAL (in)	16	0	MI 1" (Ohm-m)	40
6	BOREID (in)	16	10000	LTEN (lb)	0
-100	SP (mV)	100			

Calibration Report								
Database File:		jofwaugh#1.db						
Dataset Pathname:		pass3						
Dataset Creation:		Wed Oct 26 11:54:24 2011 by Log Open-Cased 100827						
Microlog Calibration Report								
Serial-Model:		012-Pengo						
Performed:		Sun Oct 23 11:28:00 2011						
Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0027	0.4328	V	0.0000	10.0000	Ohm-m	23.2506	-0.0637
Inverse	0.0036	0.5584	V	0.0000	7.8000	Ohm-m	14.0575	-0.0502
Caliper	3.2460	6.8378	V	8.7000	15.0000	in	1.7540	3.0067
Gamma Ray Calibration Report								
Serial Number:			2000					
Tool Model:			P2000					
Performed:			Sun Oct 23 08:45:30 2011					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			0.2200		GAPI/cps			

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	8.09		GR-P2000 (2000)	3.67	3.25	40.00
MN	1.30		ML-Pengo (012)	6.67	3.50	100.00
MI	1.30					
MCAL	1.30					
Dataset:			jofwaugh#1.db: field/well/run1/pass3			
Total Length:			10.34 ft			
Total Weight:			140.00 lb			
O.D.			3.50 in			