

MICRO RESISTIVITY LOG

Company Berexco LLC
Well Benson 9
Field Morel
County Graham State Kansas

Location: API # : 15-065-23699

1670' FSL & 1400' FWL

SEC 15 TWP 9S RGE 21W

Permanent Datum Ground Level Elevation 2236'
Log Measured From KB 11' AGL
Drilling Measured From KB

Other Services
CDL
RG
Elevation
K.B. 2247'
D.F. 2246'
G.L. 2236'

Date	9-10-10		
Run Number	One		
Depth Driller	3845'		
Depth Logger	3877'		
Bottom Logged Interval	3851'		
Top Log Interval	Surface Casing		
Casing Driller	283'		
Casing Logger	278'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.0 lb/lug		
pH / Fluid Loss	///		
Source of Sample	Pit		
Rm @ Meas. Temp	2.9@76degf		
Rmf @ Meas. Temp	2.32@76degf		
Rmc @ Meas. Temp	4.64@76degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	2.16@102degf		
Time Circulation Stopped	2:00 a.m.		
Time Logger on Bottom	8:30 a.m.		
Maximum Recorded Temperature	102deg f		
Equipment Number	T045		
Location	Hays, KS		
Recorded By	L. Smith		
Witnessed By	Mr. Bryan Bynog		

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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

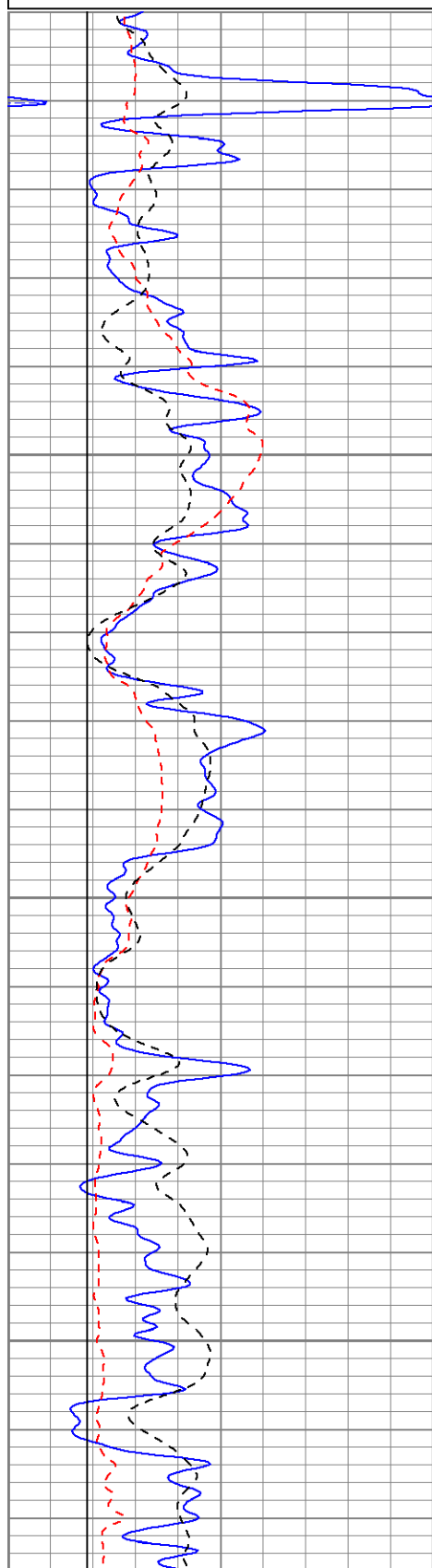
Palco South on Ellis Blacktop, West on Redline, North on 370th, right on J road to location.

Thanks for using The Perforators,Hays, KS. 785-621-4604

Database File: berexcobenson9.db
Dataset Pathname: pass5.3
Presentation Format: kml
Dataset Creation: Thu Sep 09 14:05:15 2010 by Calc Open-Cased 090629
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 (Ohm-m)	40
0	MI (Ohm-m)	40
10000	LTEN (lb)	0

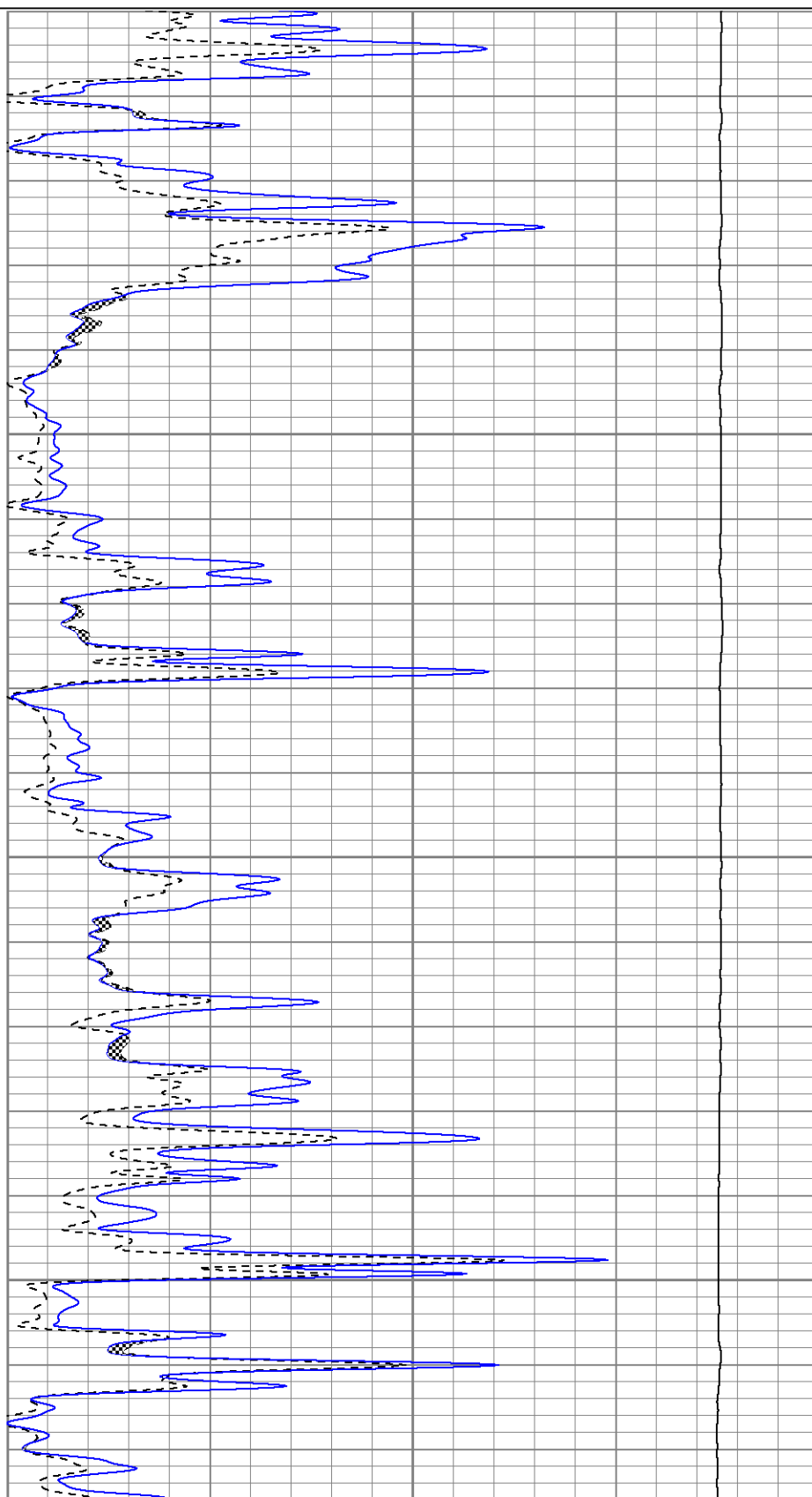


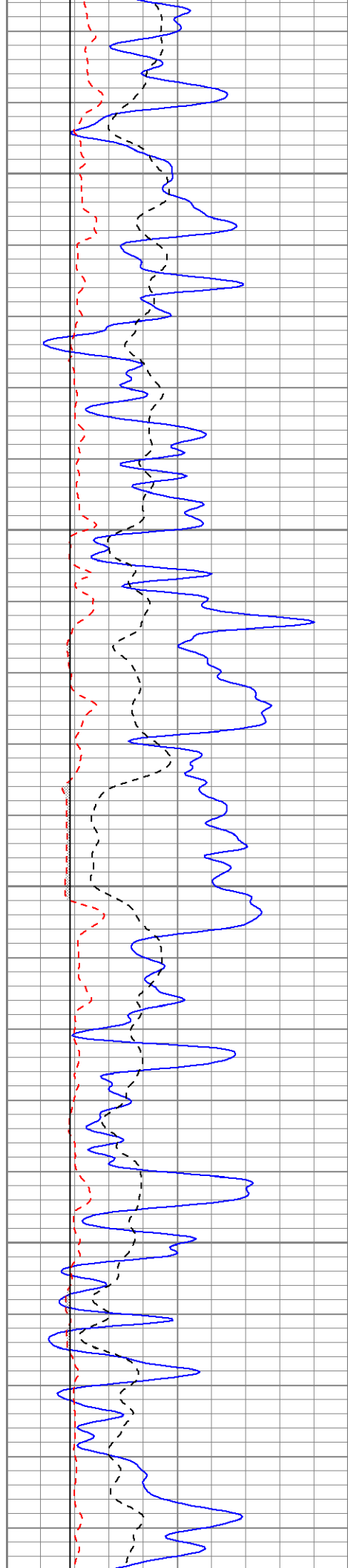
2700

2750

2800

2850



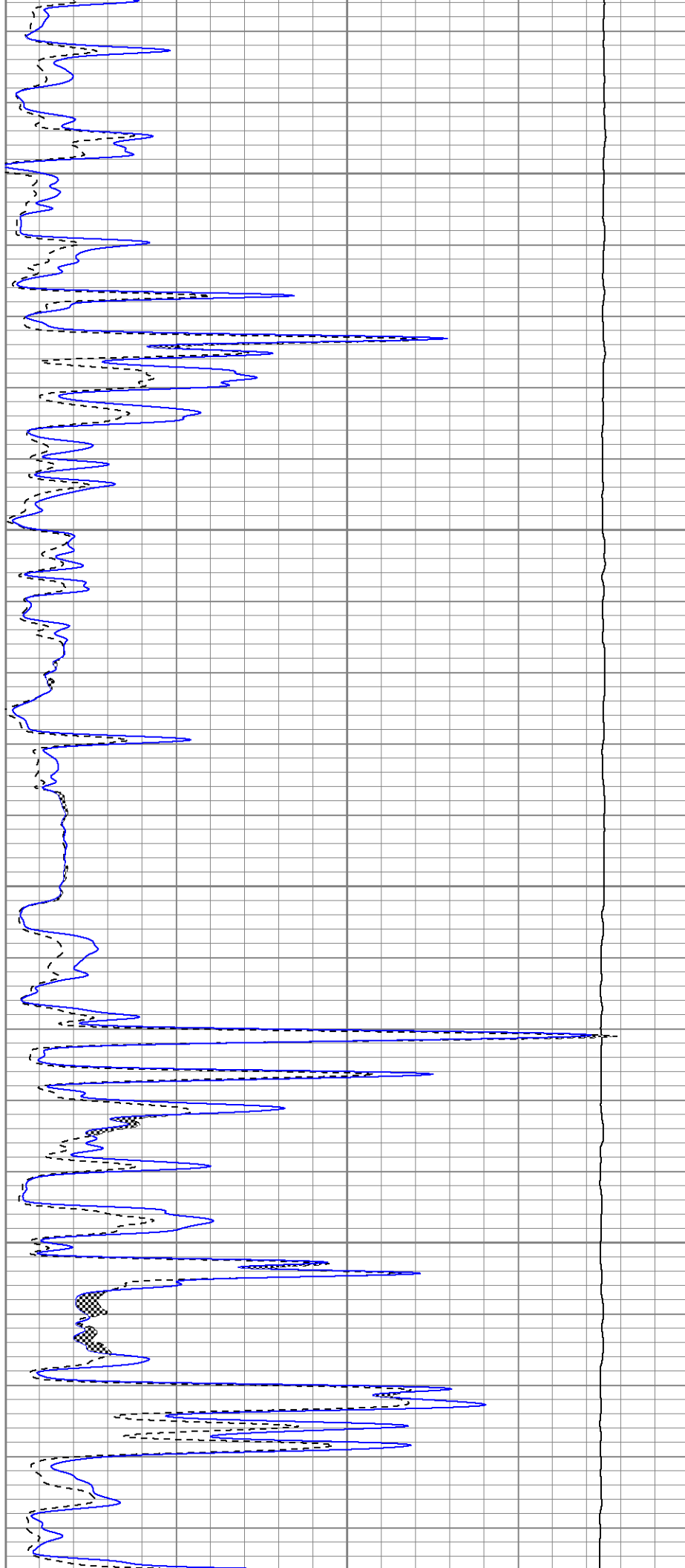


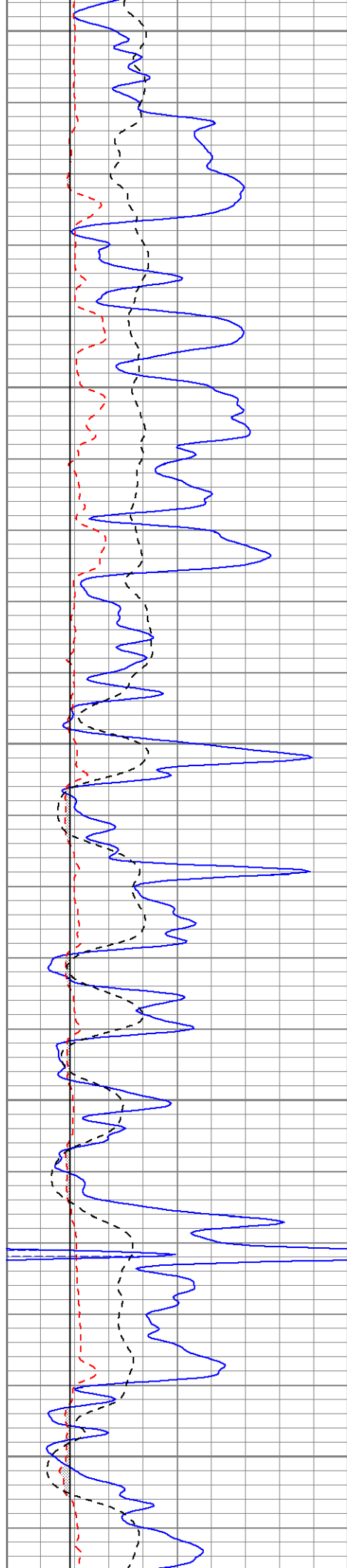
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2950

3000

3050





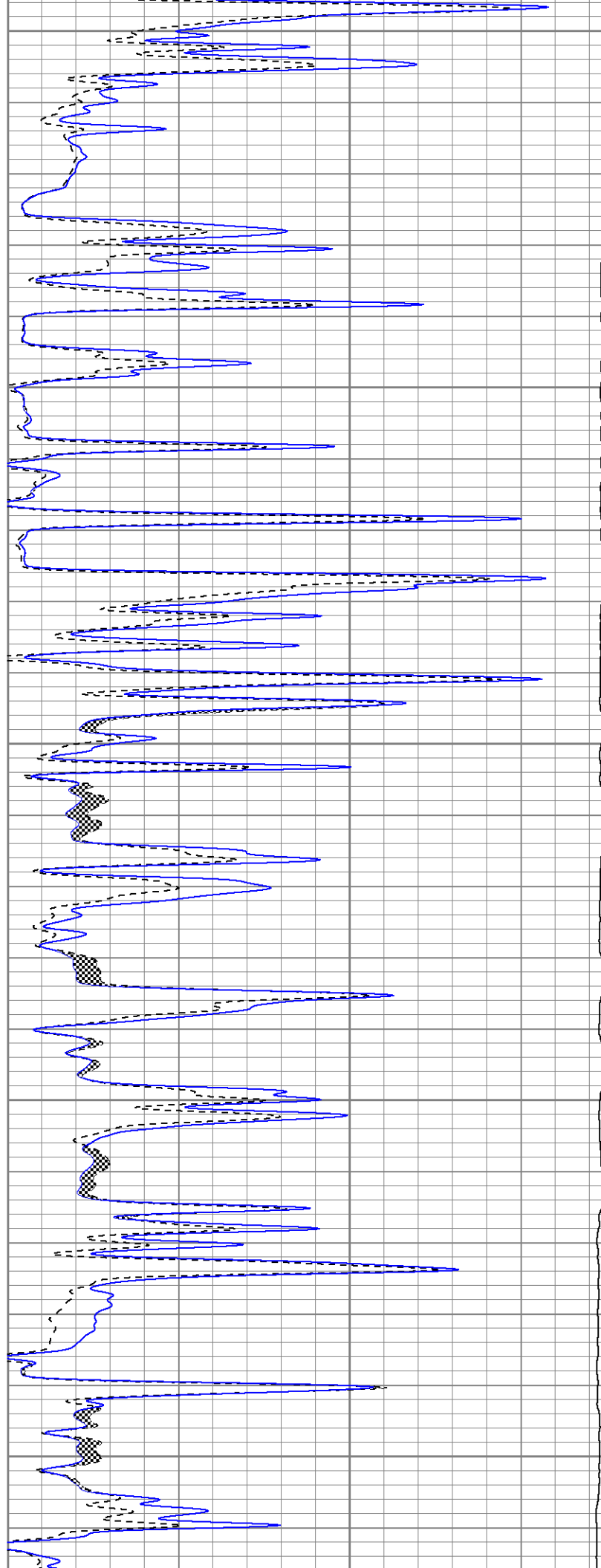
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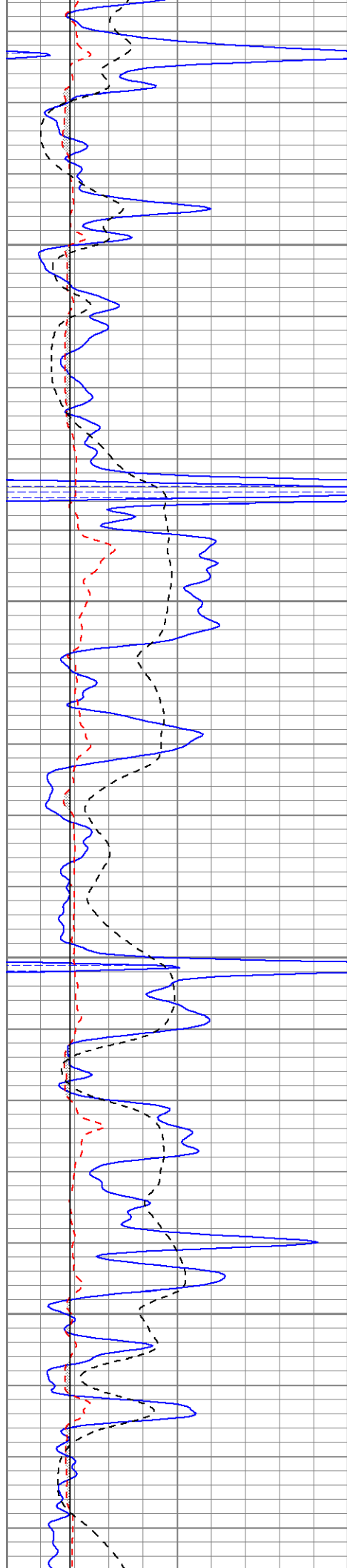
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3200

3250

3300



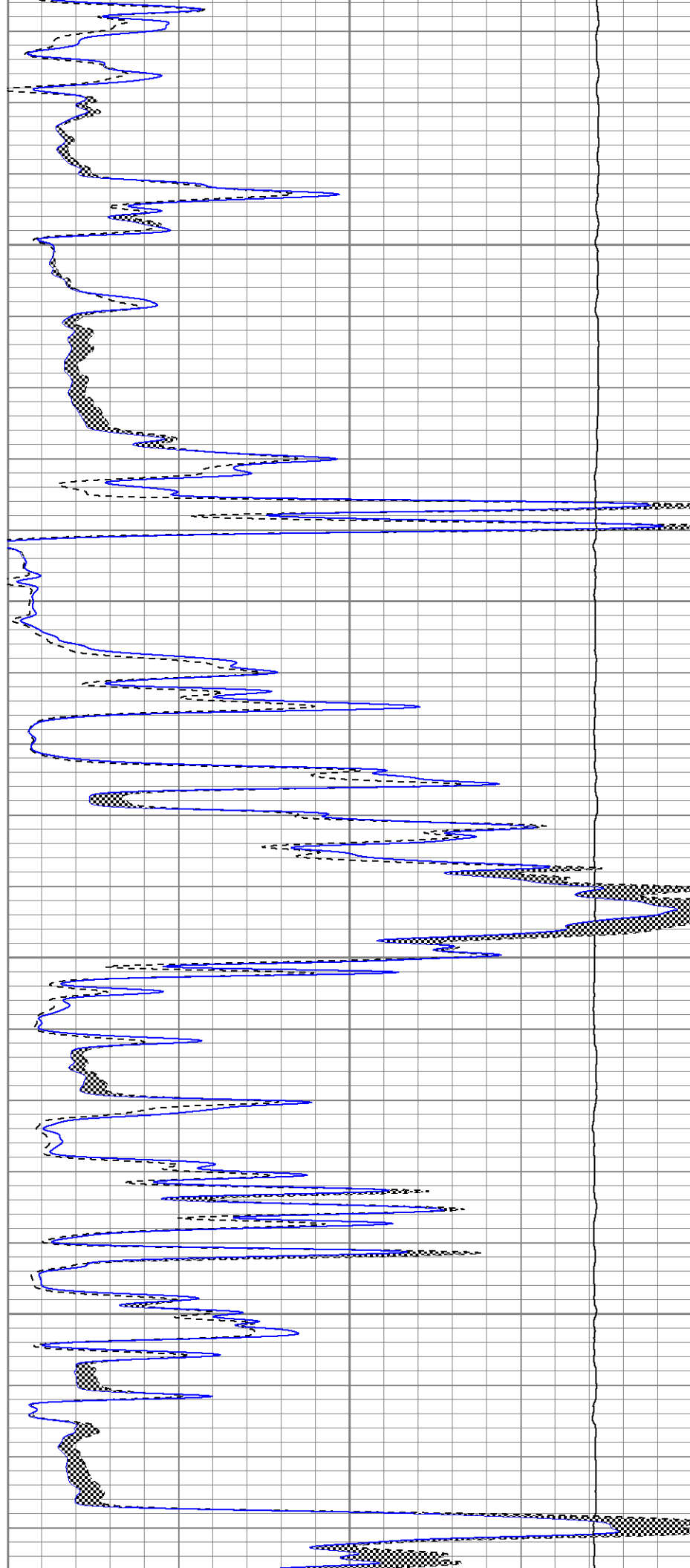


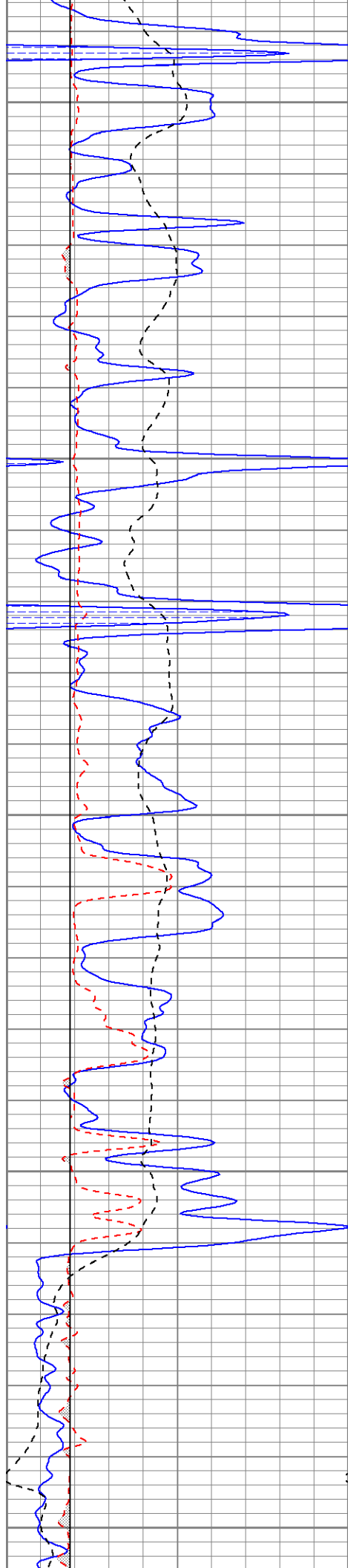
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3450

3500





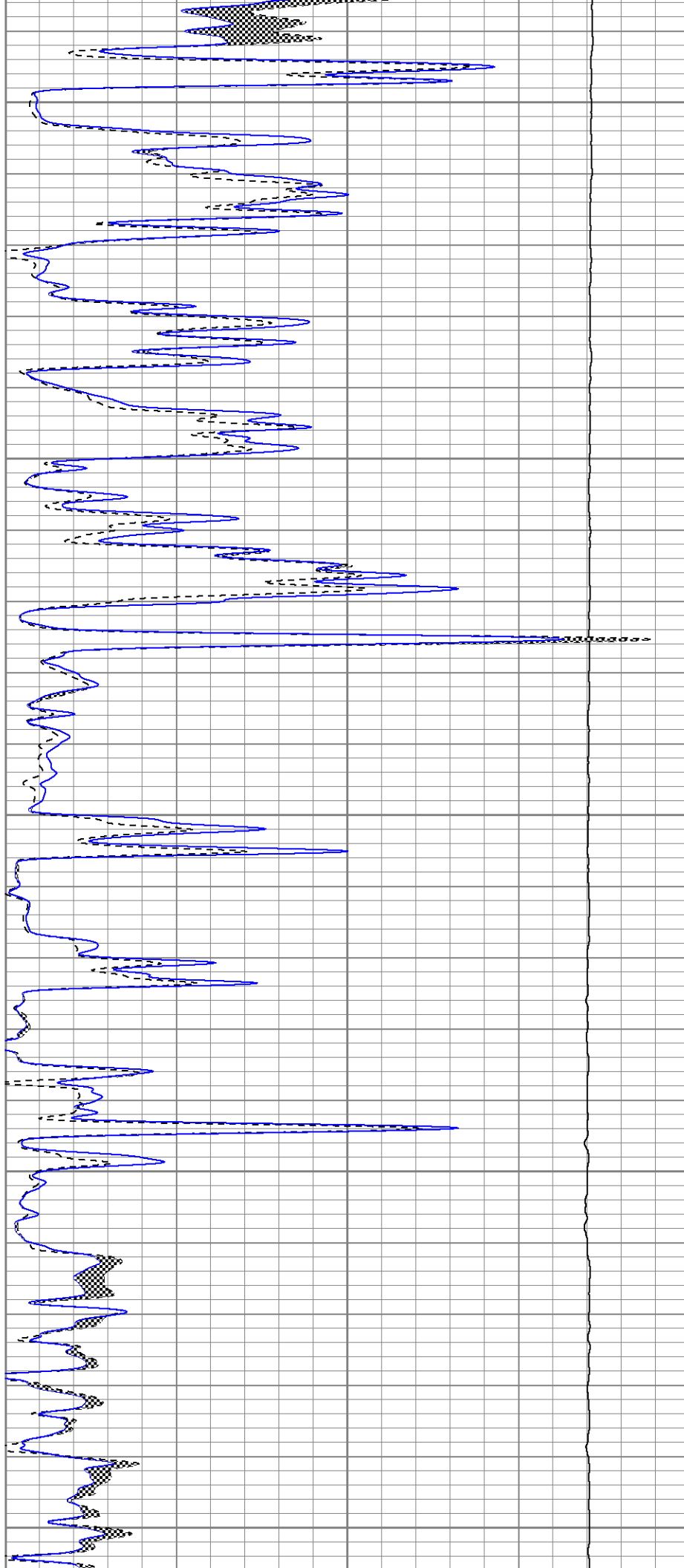
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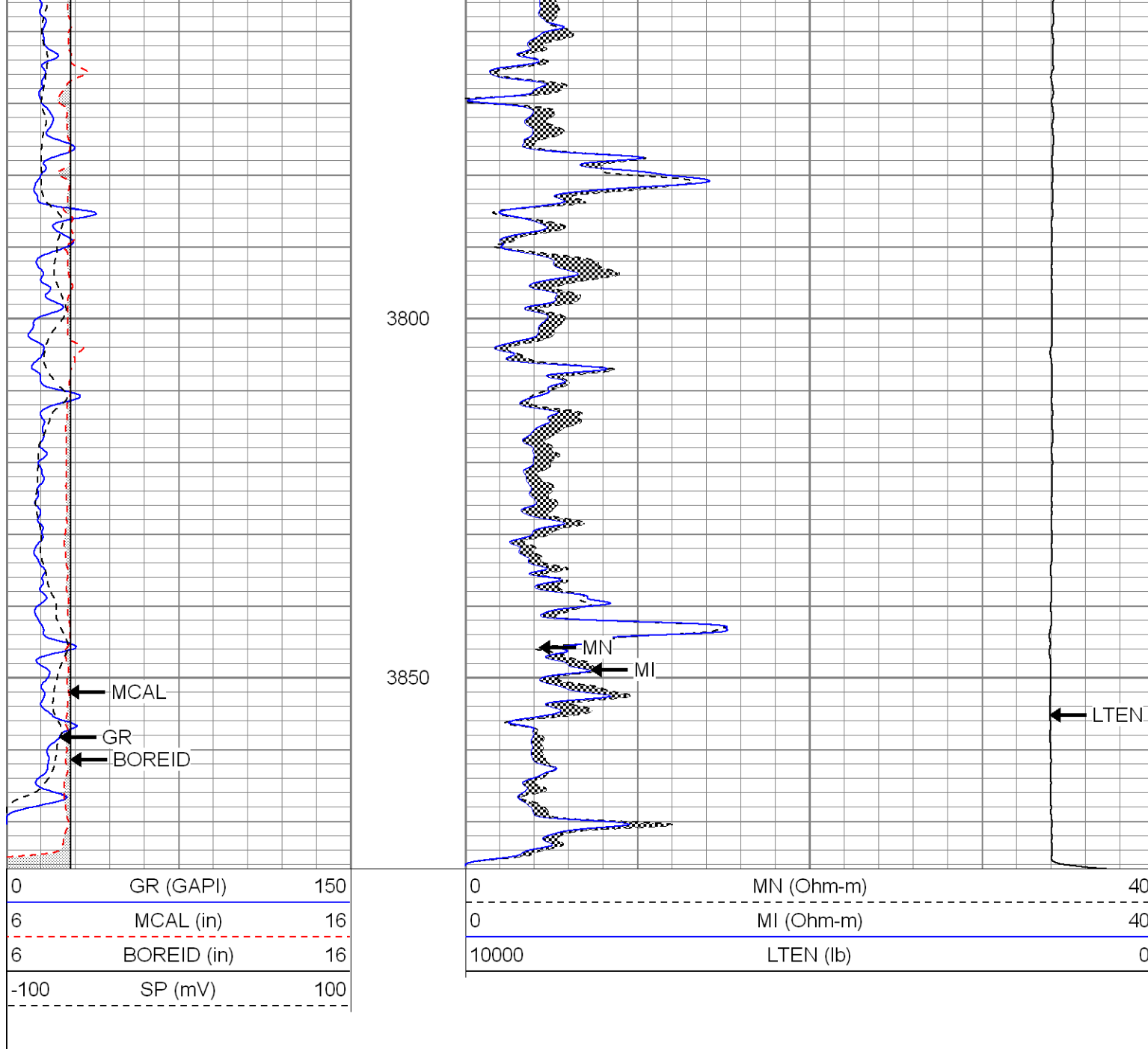
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3650

3700

3750

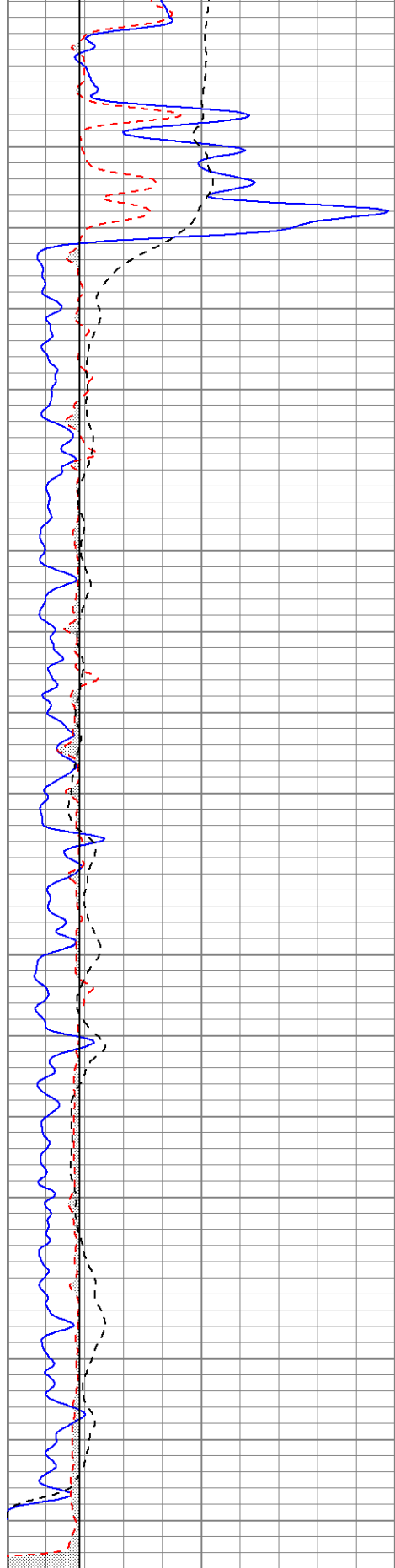




Repeat Pass

Database File: berexcobenson9.db
 Dataset Pathname: pass4.3
 Presentation Format: kml
 Dataset Creation: Thu Sep 09 14:06:07 2010 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	0	MN (Ohm-m)	40
6	MCAL (in)	16	0	MI (Ohm-m)	40
6	BOREID (in)	16	10000	LTEN (lb)	0
-100	SP (mV)	100			



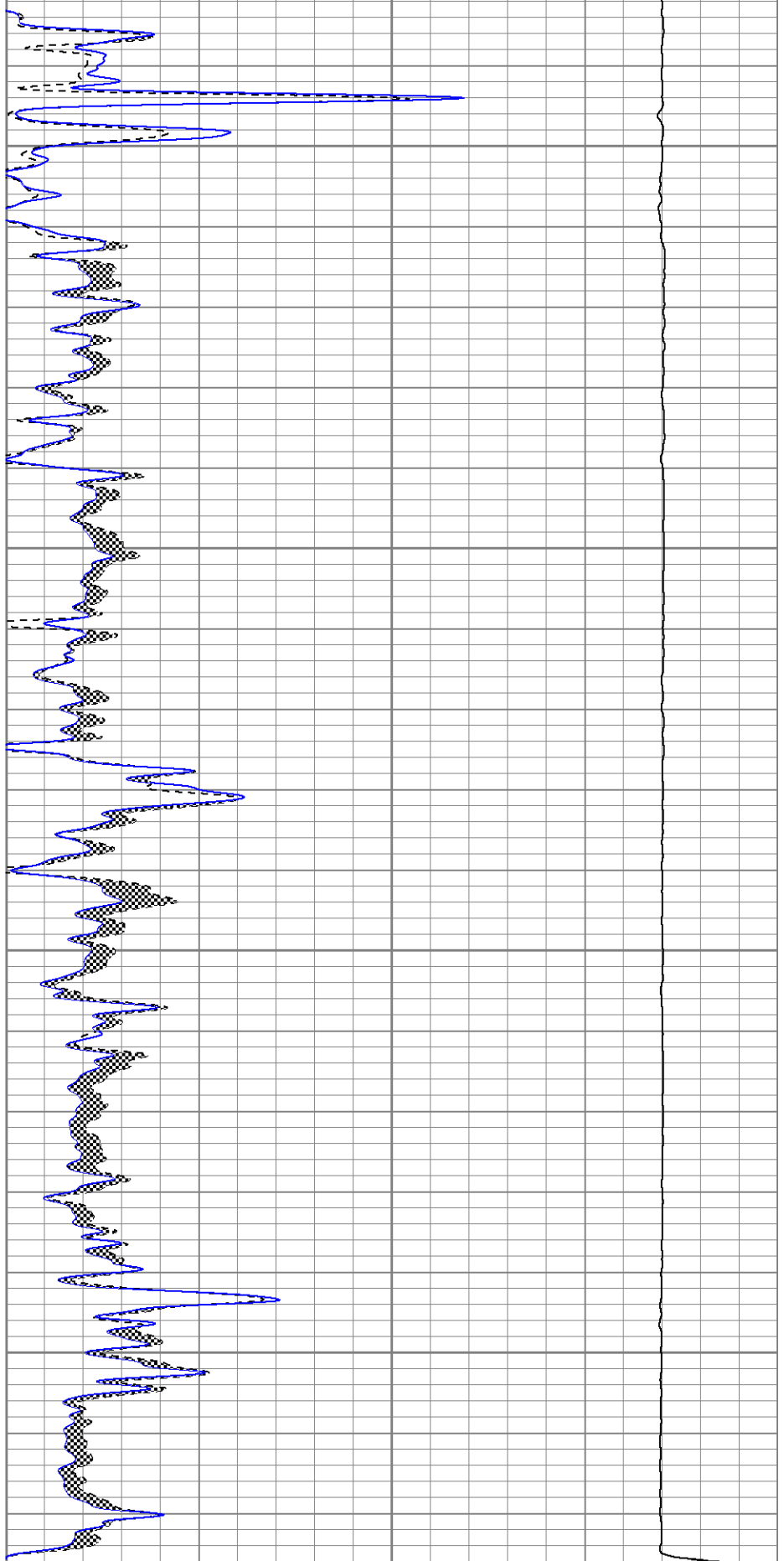
0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
-100	SP (mV)	100

3700

3750

3800

3850



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

Calibration Report

Database File: berexcobenson9.db
 Dataset Pathname: pass5.1
 Dataset Creation: Thu Sep 09 09:48:45 2010 by Calc Open-Cased 090629

Microlog Calibration Report

Serial-Model: 012-Pengo
 Performed: Thu Sep 09 09:08:02 2010

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0027	0.4323	V	0.0000	10.0000	Ohm-m	23.2782	-0.0624
Inverse	0.0036	0.5580	V	0.0000	9.8000	Ohm-m	17.6769	-0.0644
Caliper	3.2460	6.8378	V	8.4000	15.0000	in	1.8375	2.4356

Gamma Ray Calibration Report

Serial Number: 2000
 Tool Model: P2000
 Performed: Tue Sep 07 08:37:43 2010

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: berexcobenson9.db: field/well/run1/pass5.1
 Total Length: 10.34 ft
 Total Weight: 140.00 lb
 O.D. 3.50 in