



**MICRO  
RESISTIVITY  
LOG**

Company Palomino Petroleum  
 Well Deeds-Cooper #1  
 Field Beaver Township  
 County Cheyenne  
 State Kansas

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 Well Deeds-Cooper #1  
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Location: API #: 15 023 21503  
 1211' FNL & 2436' FWL  
 SEC 15 TWP 5S RGE 37W  
 Permanent Datum Ground Level Elevation 3392'  
 Log Measured From KB 5' AGL  
 Drilling Measured From KB  
 Other Services  
 CDNL  
 DIL  
 Elevation  
 K.B. 3397'  
 D.F. 3396'  
 G.L. 3392'

Date	1-16-19
Run Number	Two
Depth Driller	5037'
Depth Logger	5041'
Bottom Logged Interval	5039'
Top Log Interval	3700'
Casing Driller	8 5/8" @ 347'
Casing Logger	347'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.3/54
PH / Fluid Loss	11.0/7.2
Source of Sample	Pit
Rm @ Meas. Temp	2.3@64degf
Rmf @ Meas. Temp	1.7@64degf
Rmc @ Meas. Temp	2.8@64degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	1.2@118degf
Time Circulation Stopped	5:15 a.m
Time Logger on Bottom	12:00 p.m
Maximum Recorded Temperature	118degf
Equipment Number	T127
Location	Hays, KS
Recorded By	C.Patterson
Witnessed By	Mr. Ryan Seib

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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**

Brewster Hwy to Correction Curve EE Rd.(RD A), then west on EE RD. (Rd. A) for 3 mi to 34 RD.,  
 Then North on 34 RD. for 3 mi. to D RD.,West 1 mi on D RD. to 33 RD.  
 Then North on 33 RD. 1 mi to E RD. 1/2 mi west on E RD. South into

Thanks for using Gemini Wireline LLC  
 785-625-1182

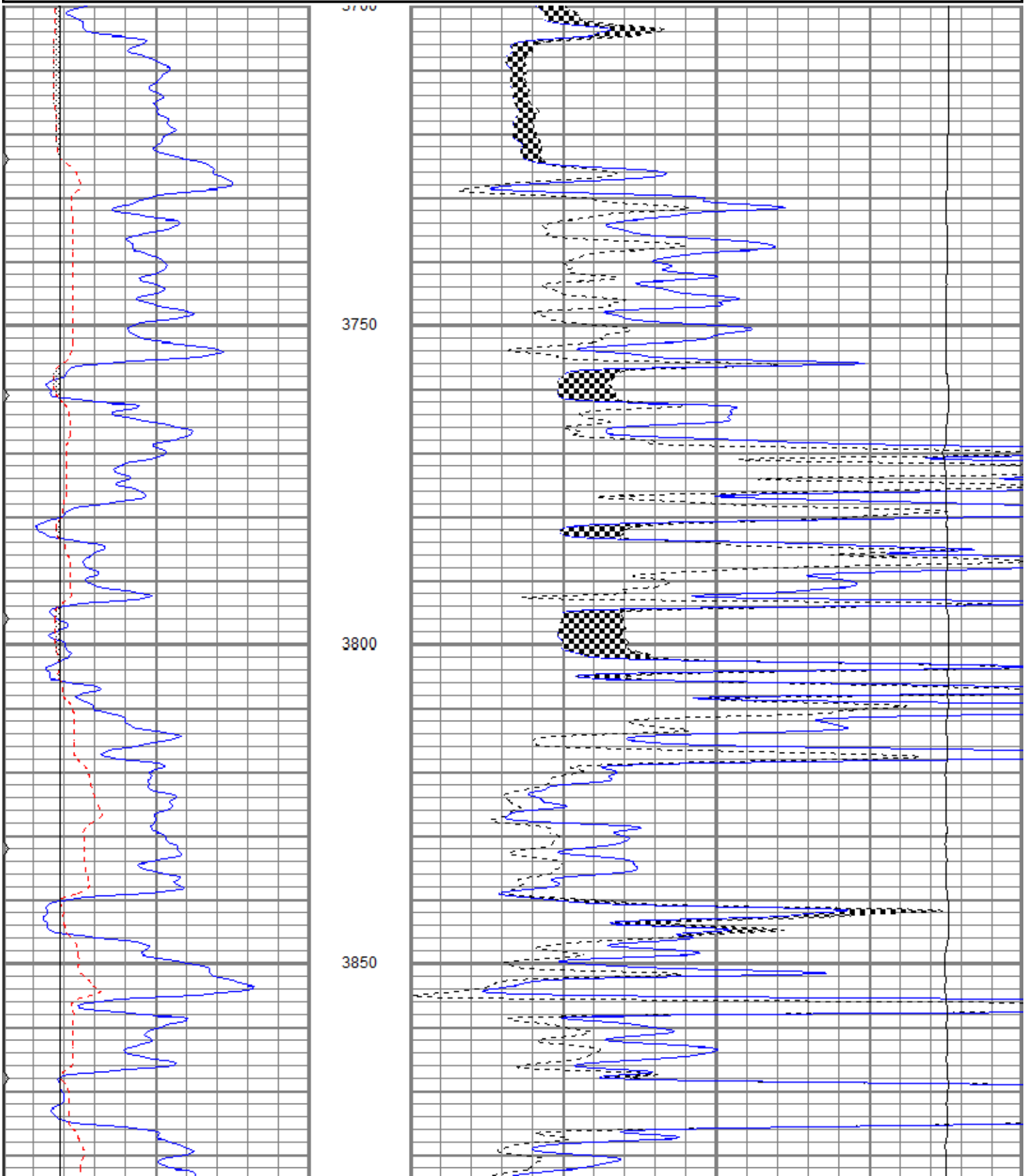


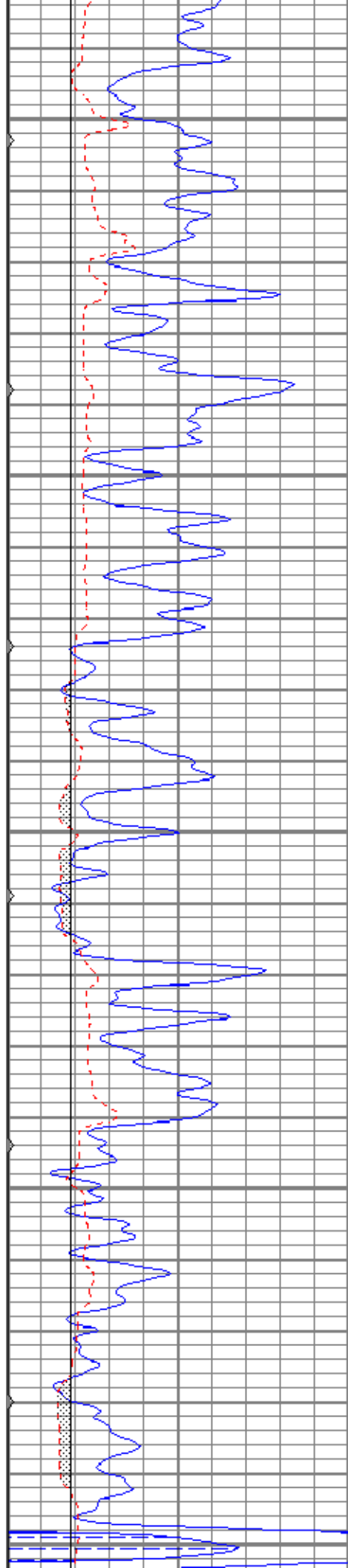
**MAIN PASS**

Database File ppdeeds-cooper#1oh.db  
 Dataset Pathname pass6  
 Presentation Format kml  
 Dataset Creation Wed Jan 16 12:14:41 2019  
 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





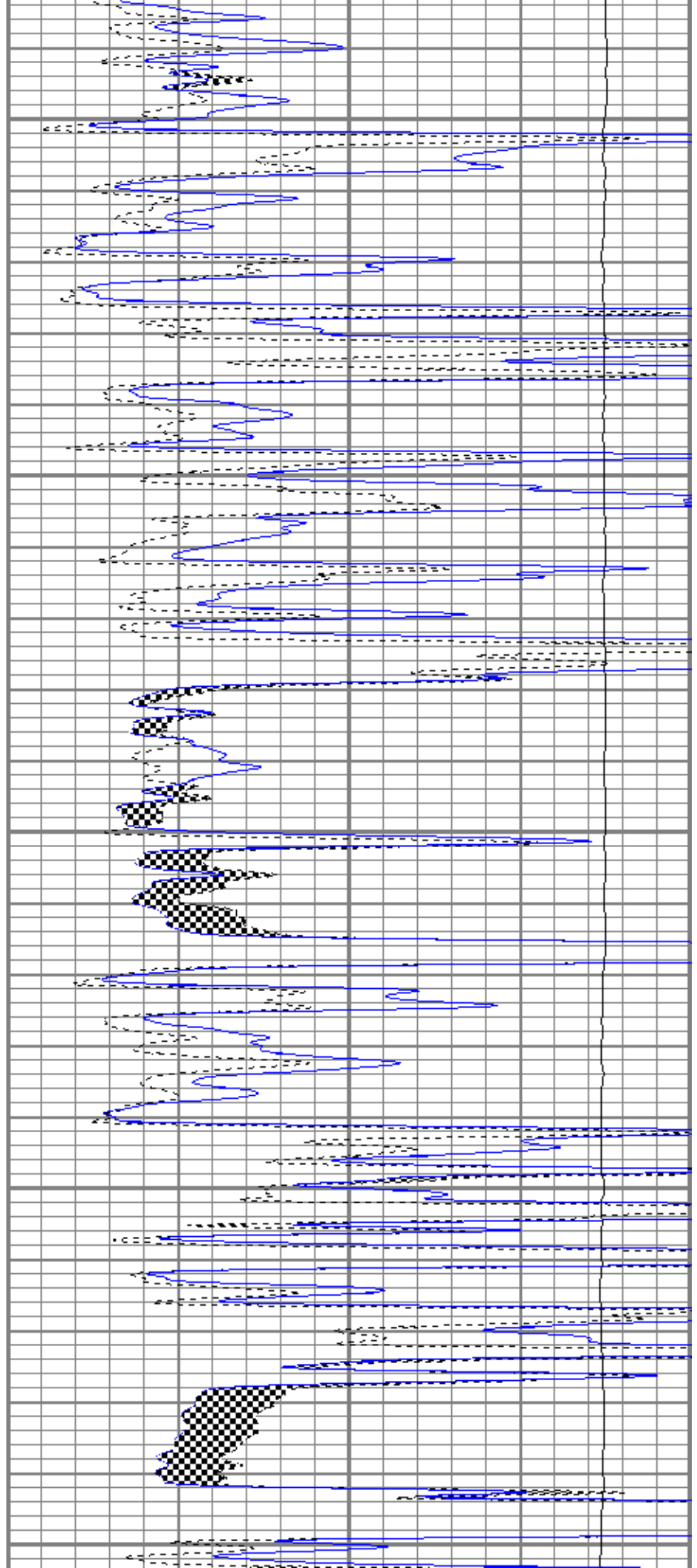
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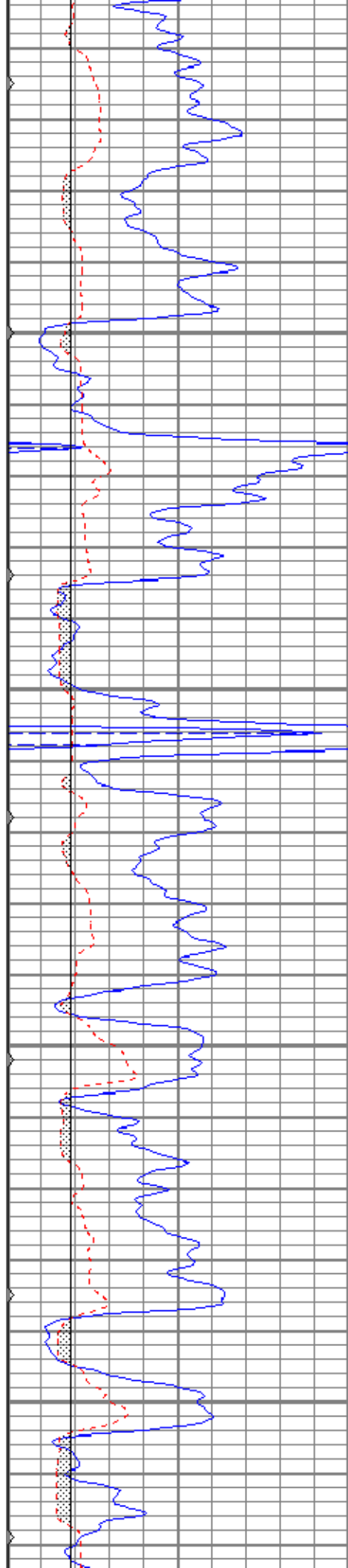
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4000

4050

4100



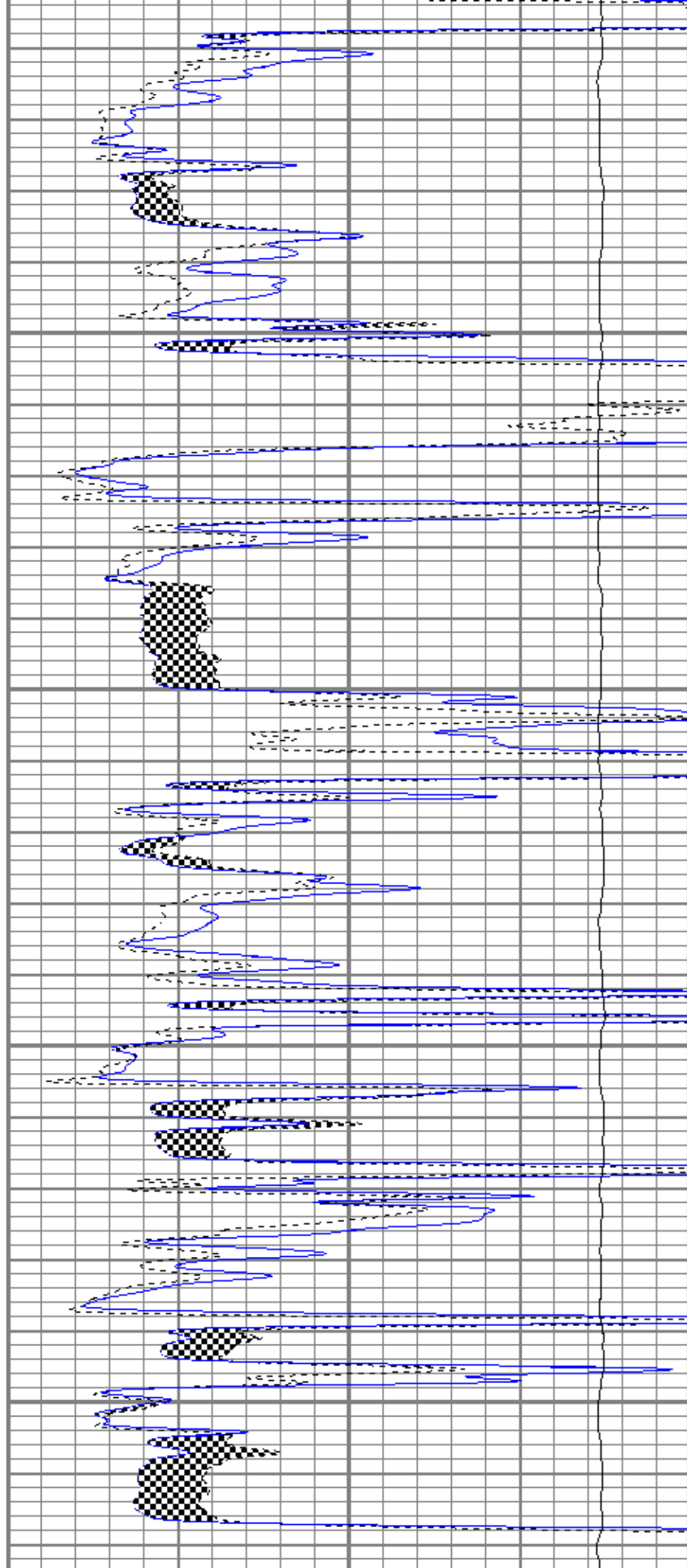


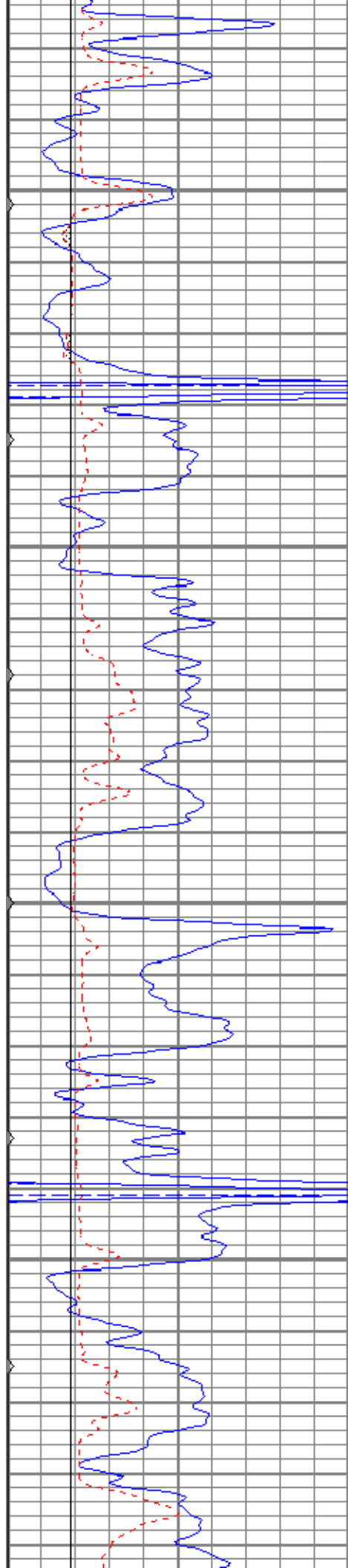
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4200

4250

4300



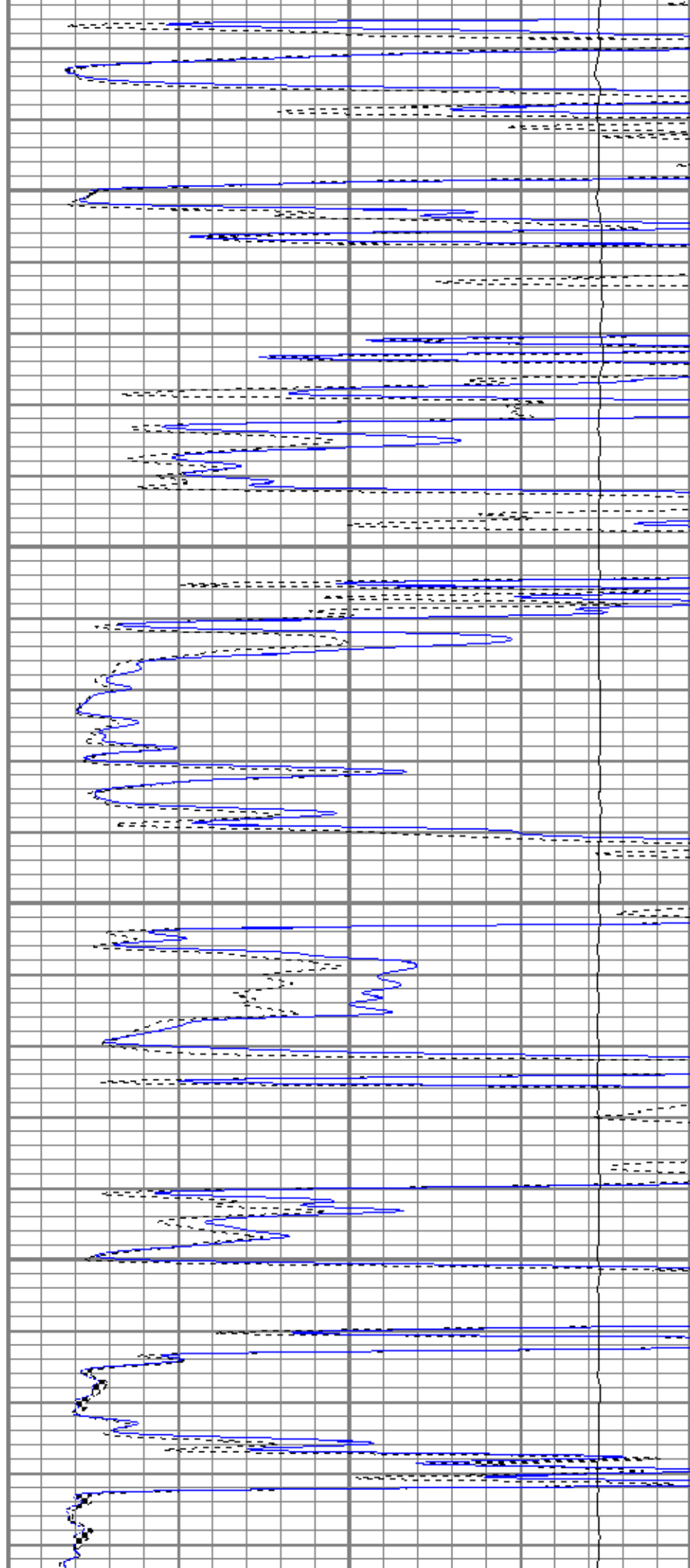


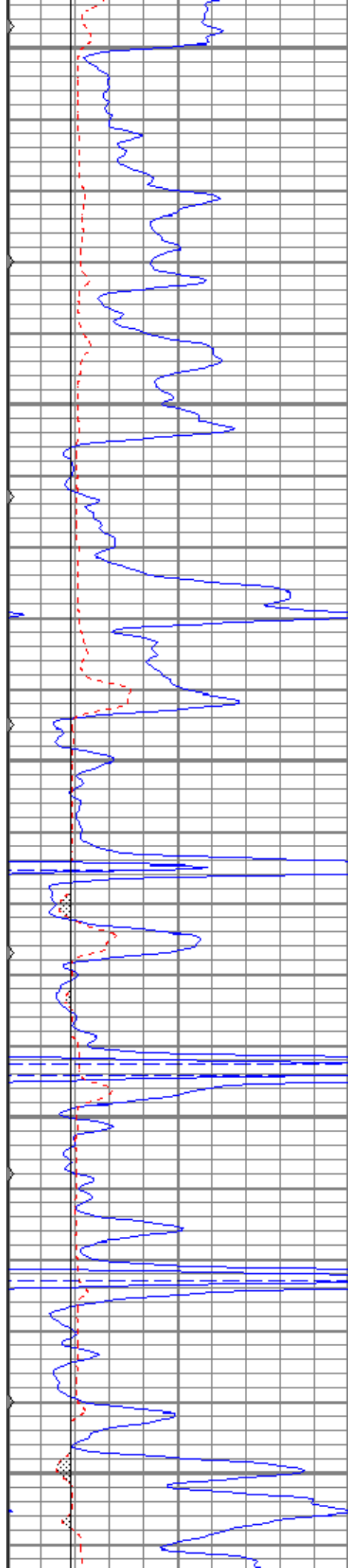
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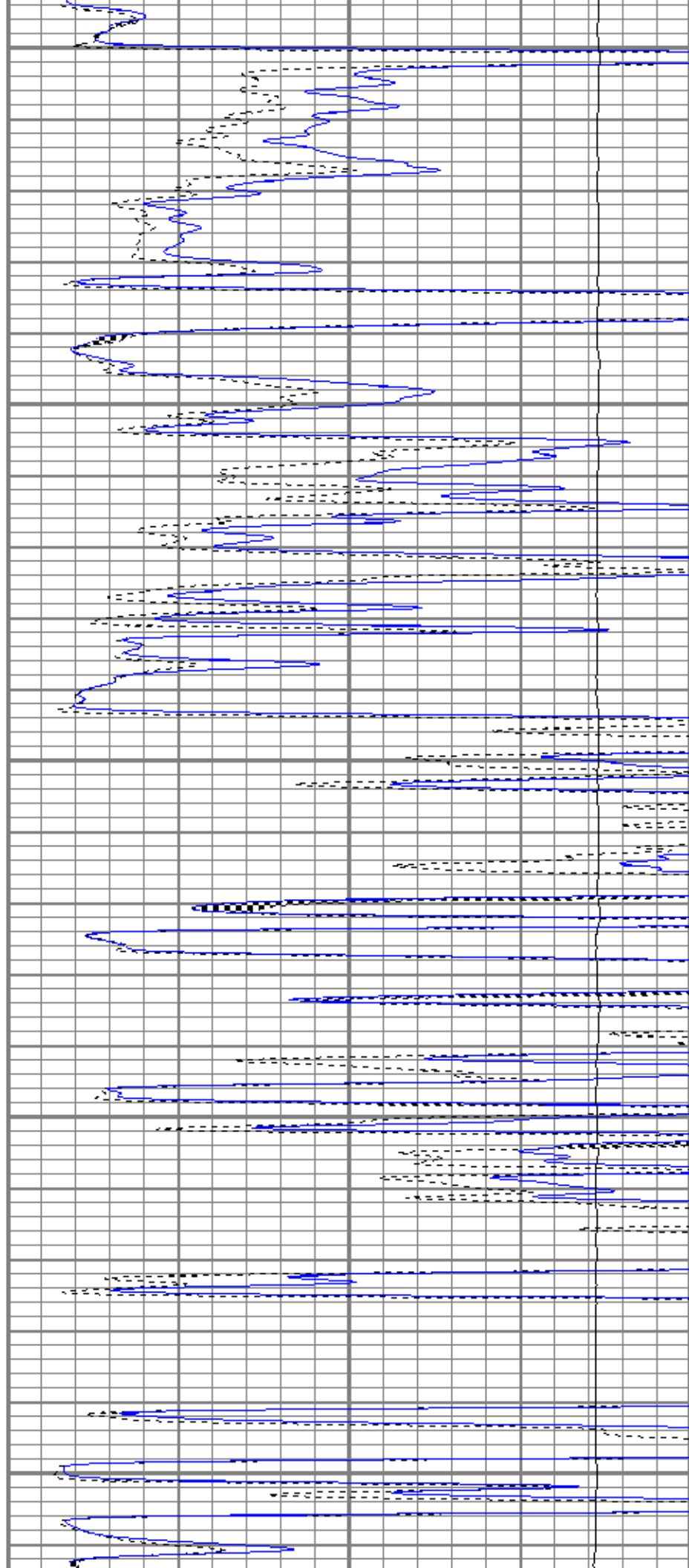
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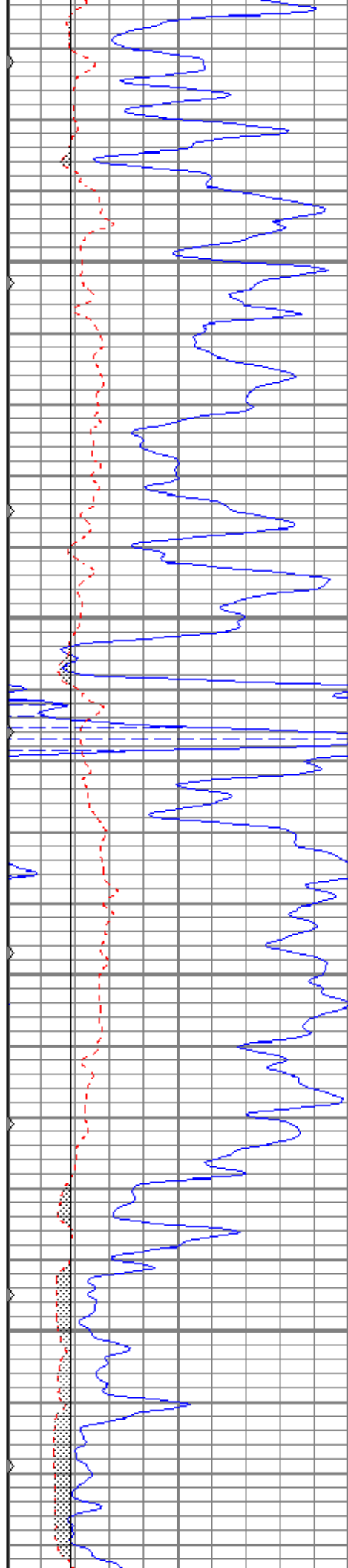
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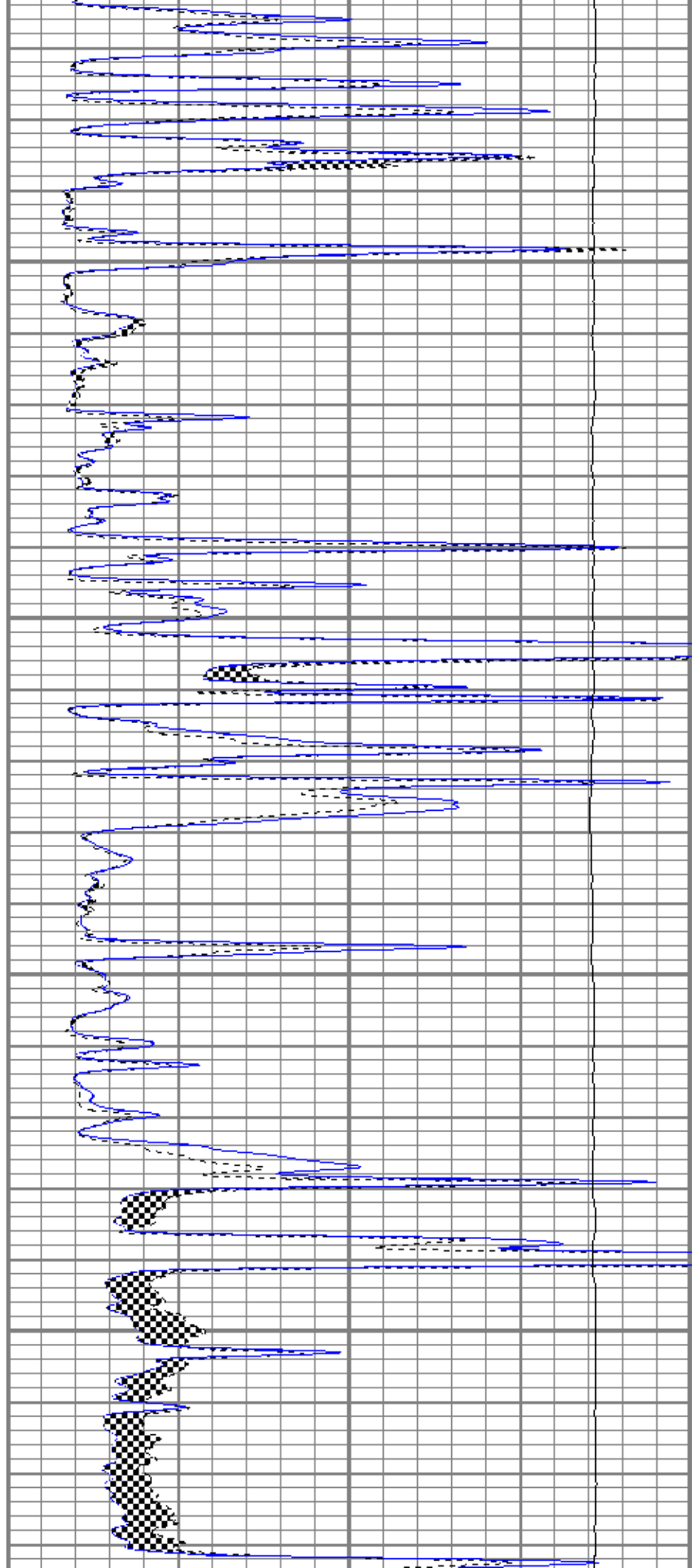


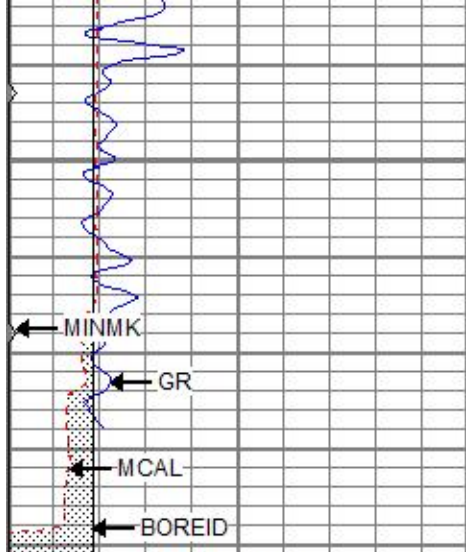
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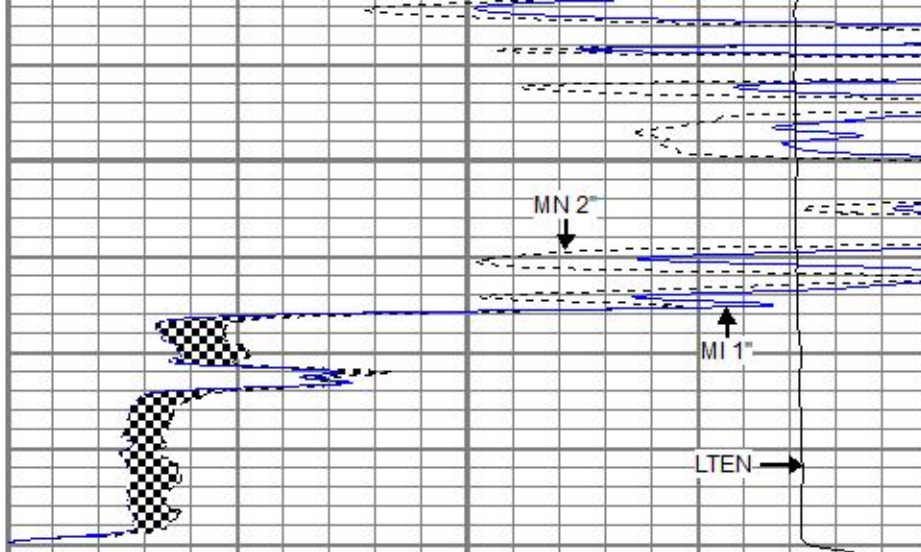
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5000

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

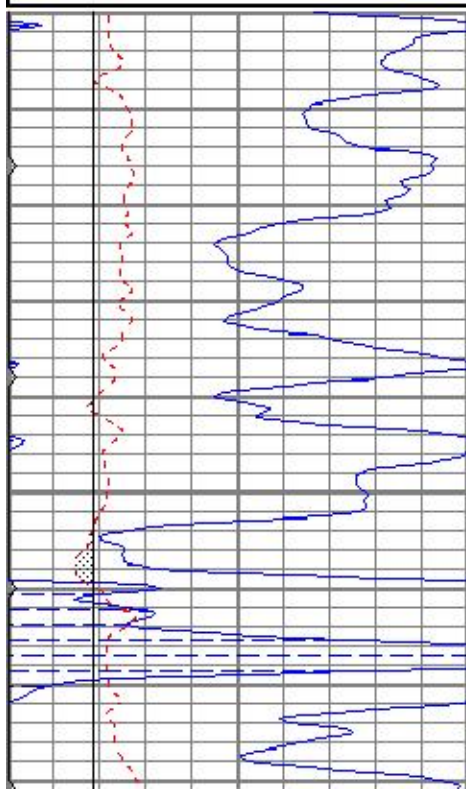


# REPEAT SECTION

Database File ppdeeds-cooper#1oh.db  
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 Presentation Format kml  
 Dataset Creation Wed Jan 16 12:00:28 2019  
 Charted by Depth in Feet scaled 1:240

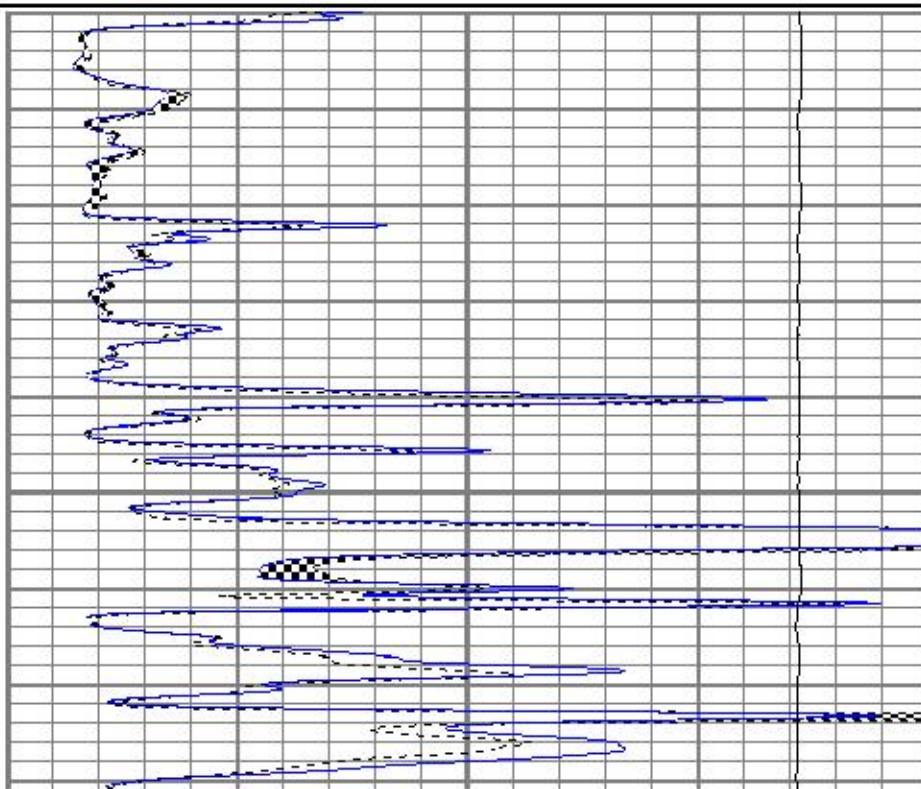
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6	BOREID (in)	16
0	MINMK	50

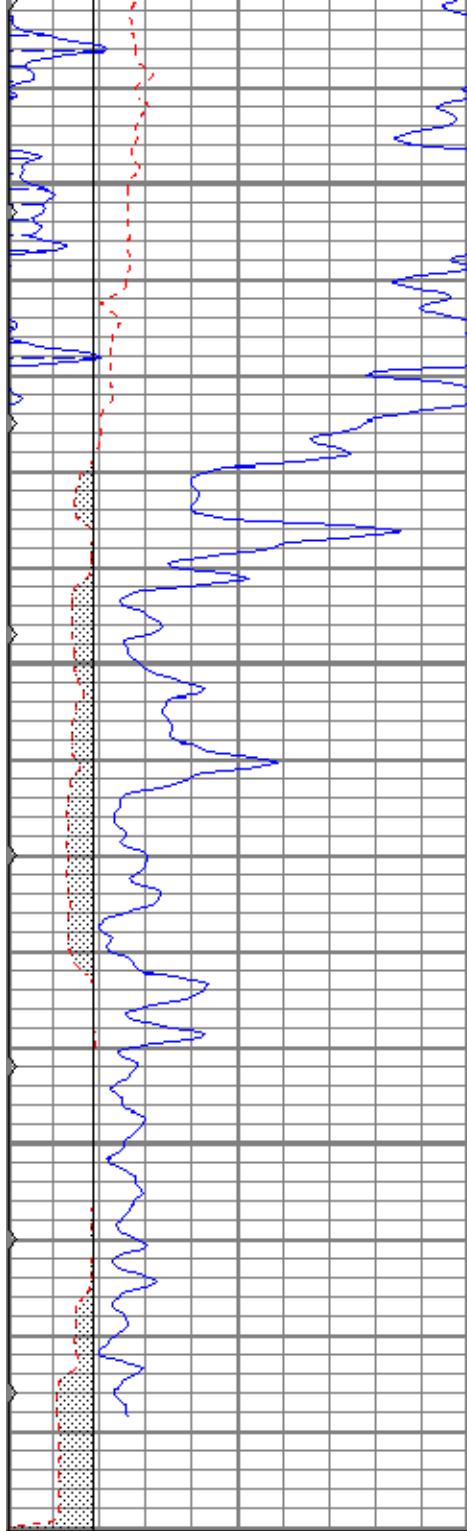
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0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0



4000

4850



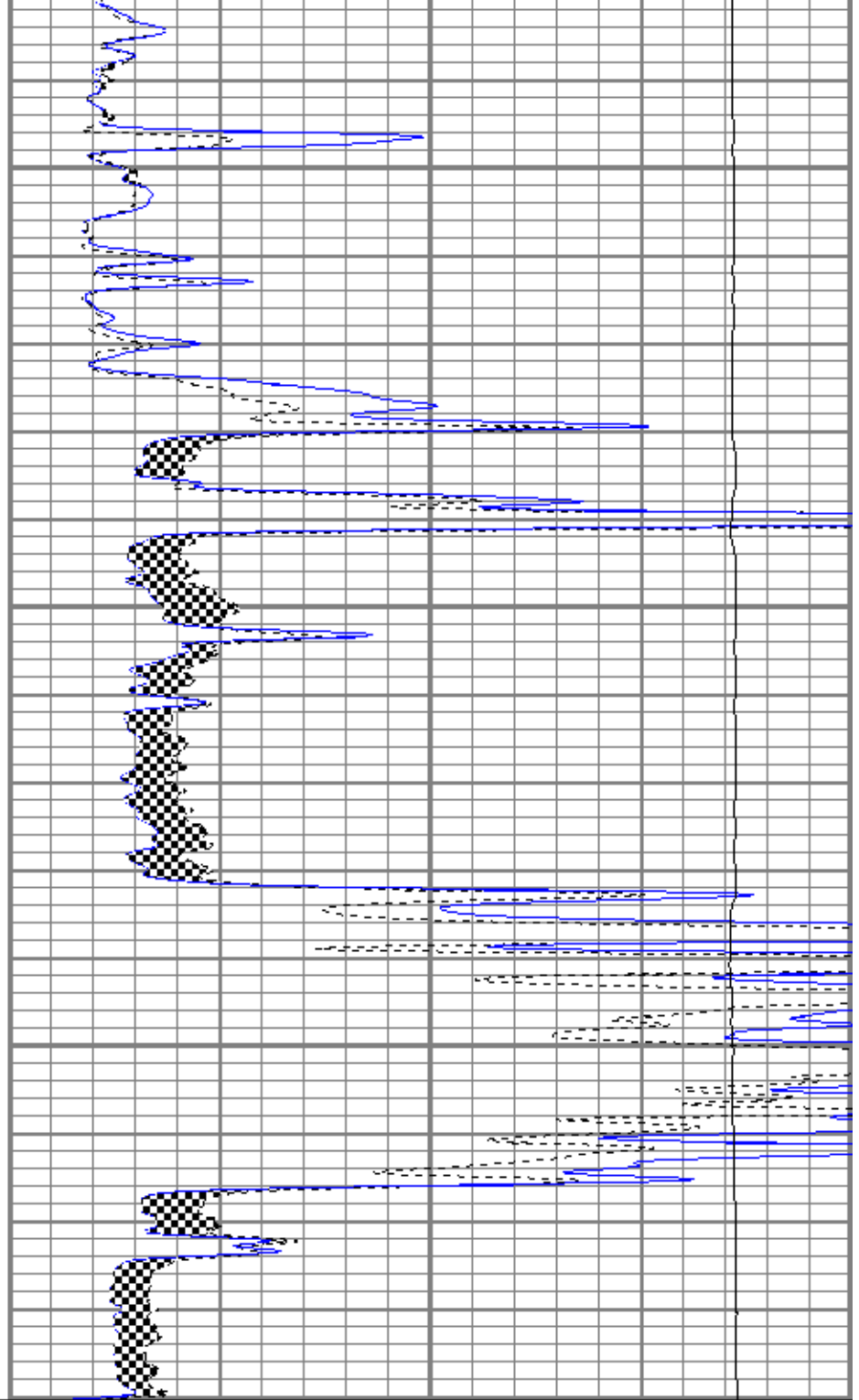


4900

4950

5000

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

Calibration Report

Database File ppdeeds-cooper#1oh.db  
 Dataset Pathname pass6  
 Dataset Creation Wed Jan 16 12:14:41 2019

Microlog Calibration Report

Serial-Model: 9151-Gerhart  
 Performed: Wed Jan 16 11:59:31 2019

Readings

References

Results

	Zero	Cal		Zero	Cal		m	b
Normal	0.0098	0.4730	V	0.0000	10.0000	Ohm-m	21.5901	-0.2112
Inverse	0.0100	0.6126	V	0.0000	10.0000	Ohm-m	16.5950	-0.1663
Caliper	1.0212	2.0456	V	8.0000	15.0000	in	6.8332	1.0218

**Gamma Ray Calibration Report**

Serial Number: 2000  
 Tool Model: P2000  
 Performed: Sun May 06 10:04:13 2018  
  
 Calibrator Value: 1.0 GAPI  
  
 Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps  
  
 Sensitivity: 0.7000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	10.88		CHD-None	0.75	1.50	5.00
MCAL	1.83		GR-P2000 (2000)	3.67	3.25	40.00
MI	1.83		ML-Gerhart (9151)	9.46	4.00	125.00
MN	1.83		Gerhart Micro			

Dataset: ppdeeds-cooper#1oh.db: field/well/run1/pass6  
 Total length: 13.88 ft  
 Total weight: 170.00 lb  
 O.D.: 4.00 in