



MICRO RESISTIVITY LOG

Company	Palomino Petroleum	Company	Palomino Petroleum
Well	Butterfield #2	Well	Butterfield #2
Field	Overland Northwest	Field	Overland Northwest
County	Gove	County	Gove
State	Kansas	State	Kansas
Location:	API #: 15 063 22309 360' FNL & 1373' FEL SE-NE-NW-NE		
Permanent Datum	SEC 11 TWP 14S RGE 26W	Ground Level	Elevation 2471'
Log Measured From	KB 5' AGL		
Drilling Measured From	KB		
		Other Services	CDNL DIL
		Elevation	K.B. 2476' D.F. 2475' G.L. 2471'
Date	7-3-17		
Run Number	TWO		
Depth Driller	4450'		
Depth Logger	4455'		
Bottom Logged Interval	4454'		
Top Log Interval	3500'		
Casing Driller	8 5/8" @ 219'		
Casing Logger	219'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/54		
pH / Fluid Loss	10.5/6.8		
Source of Sample	Pit		
Rm @ Meas. Temp	1.5@78degf		
Rmf @ Meas. Temp	1.20@78degf		
Rmc @ Meas. Temp	1.92@78degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.98@117degf		
Time Circulation Stopped	7:00 a.m.		
Time Logger on Bottom	11:05 a.m.		
Maximum Recorded Temperature	117degf		
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

Take Quinter Rd. South To K Rd.
Then East 4 mi.(to castle Rock Rd sign), North Into

Thanks for using Gemini Wireline LLC
785-625-1182

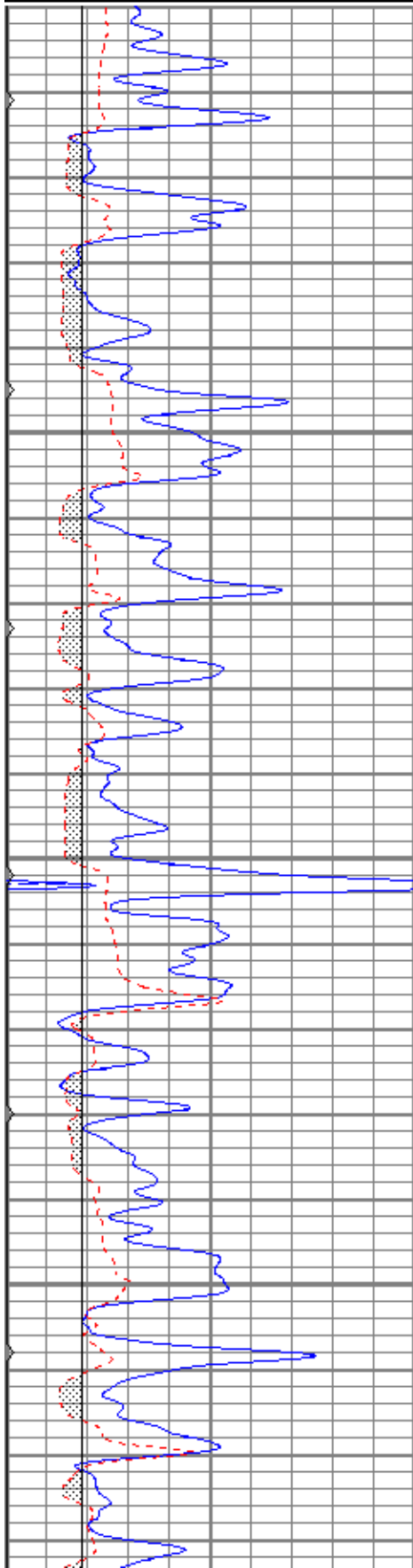


MAIN PASS

Database File ppbutterfield#2oh.db
Dataset Pathname pass6
Presentation Format kml
Dataset Creation Mon Jul 03 11:25:43 2017
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

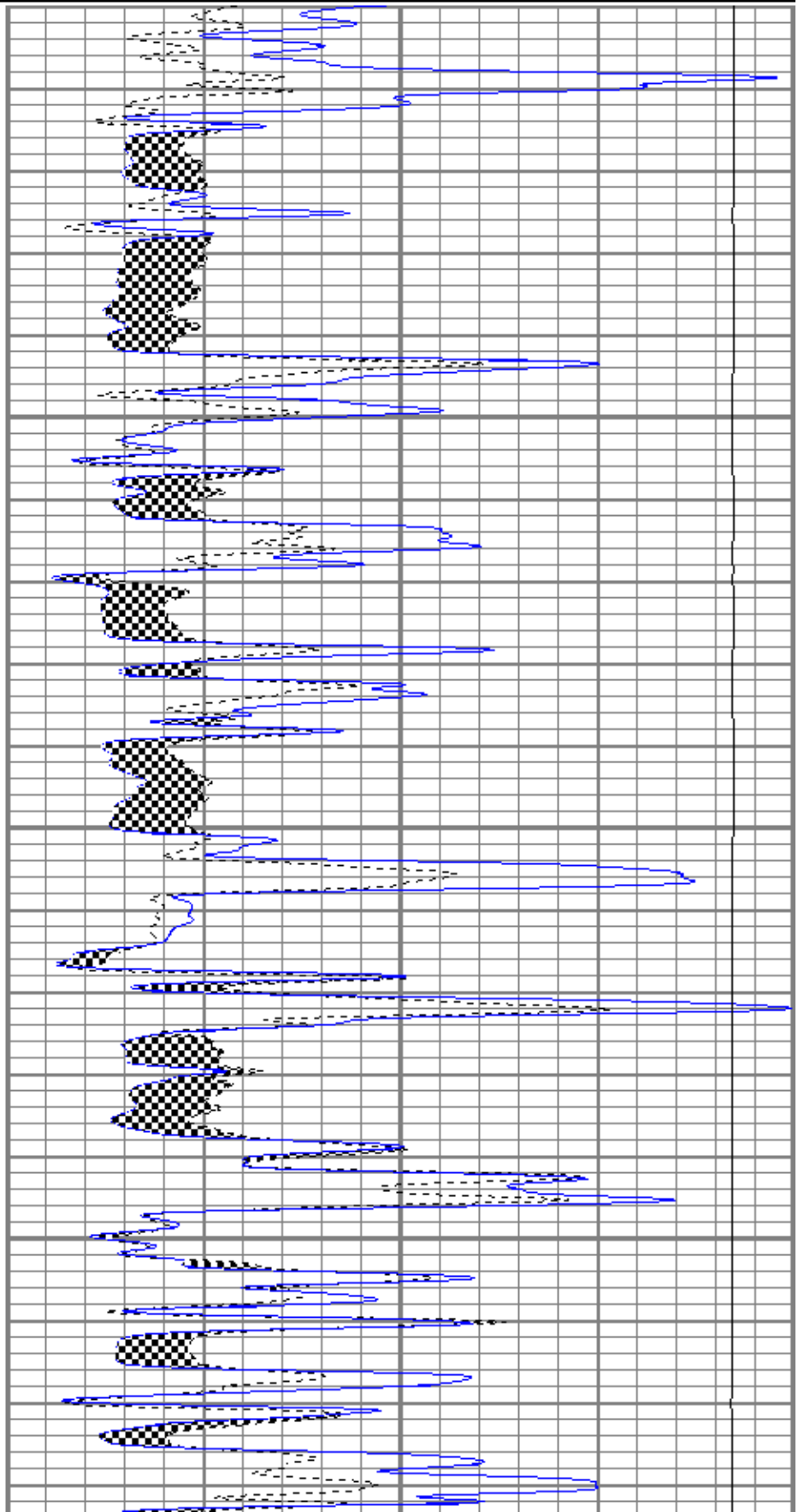


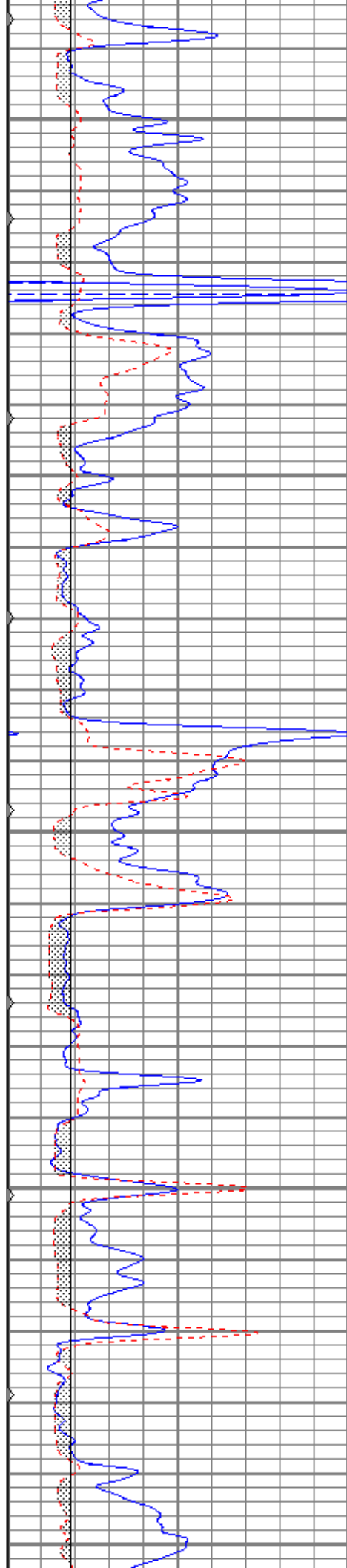
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3550

3600

3650





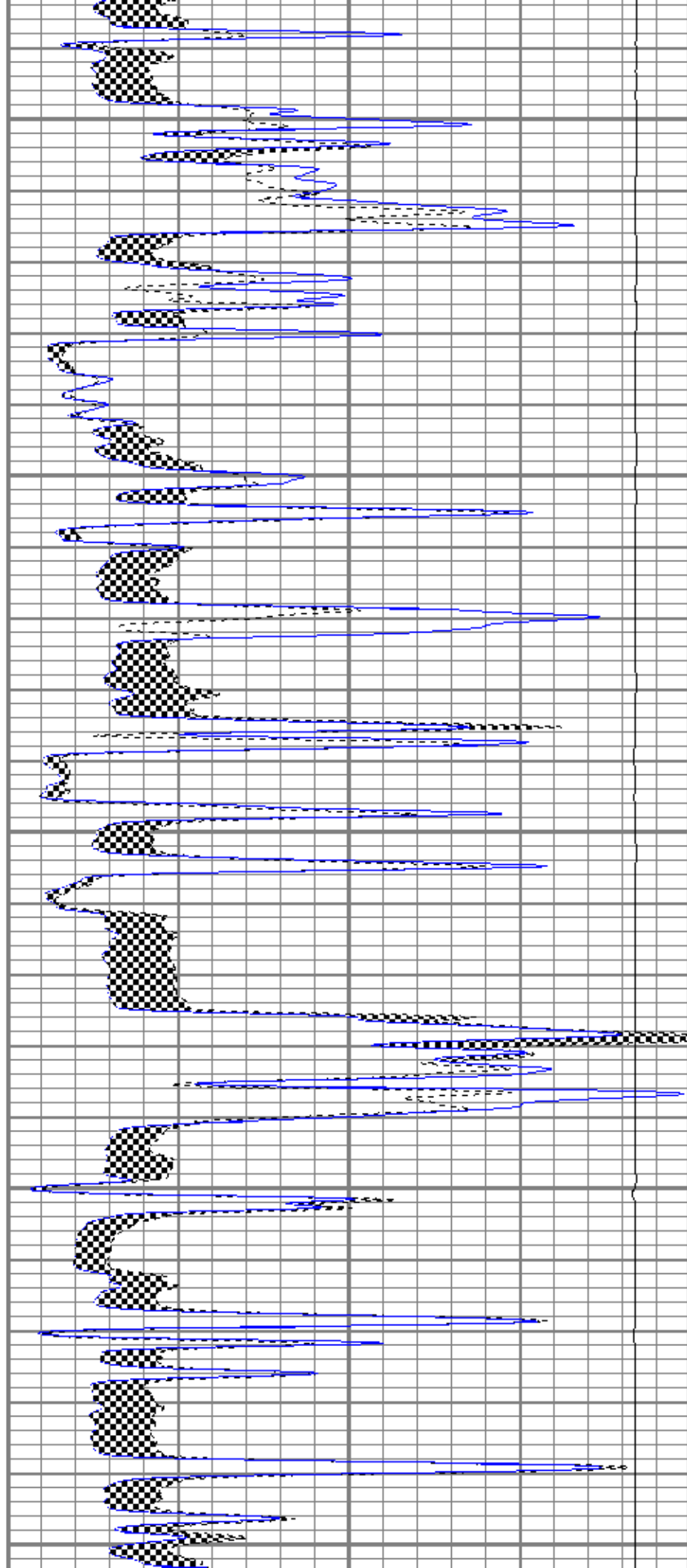
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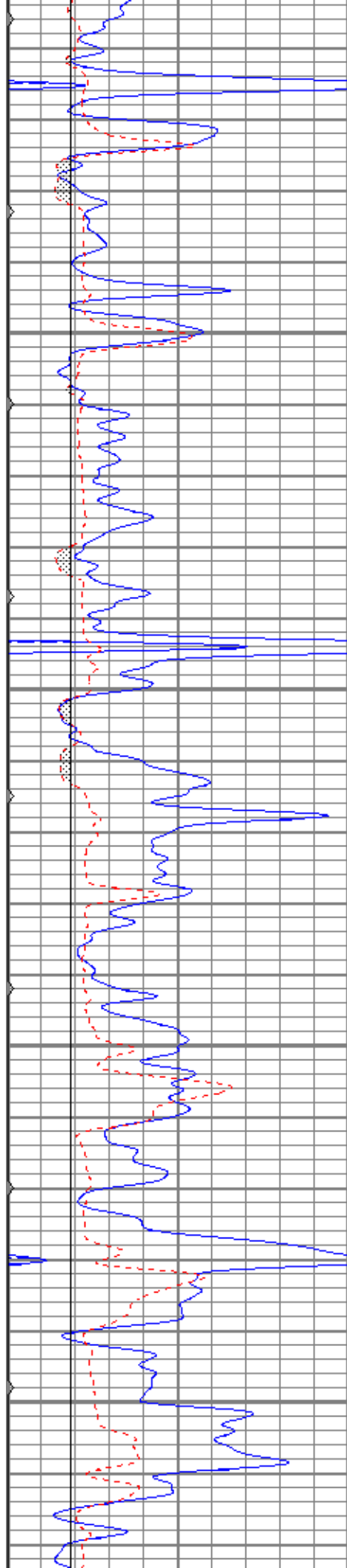
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3800

3850

3900



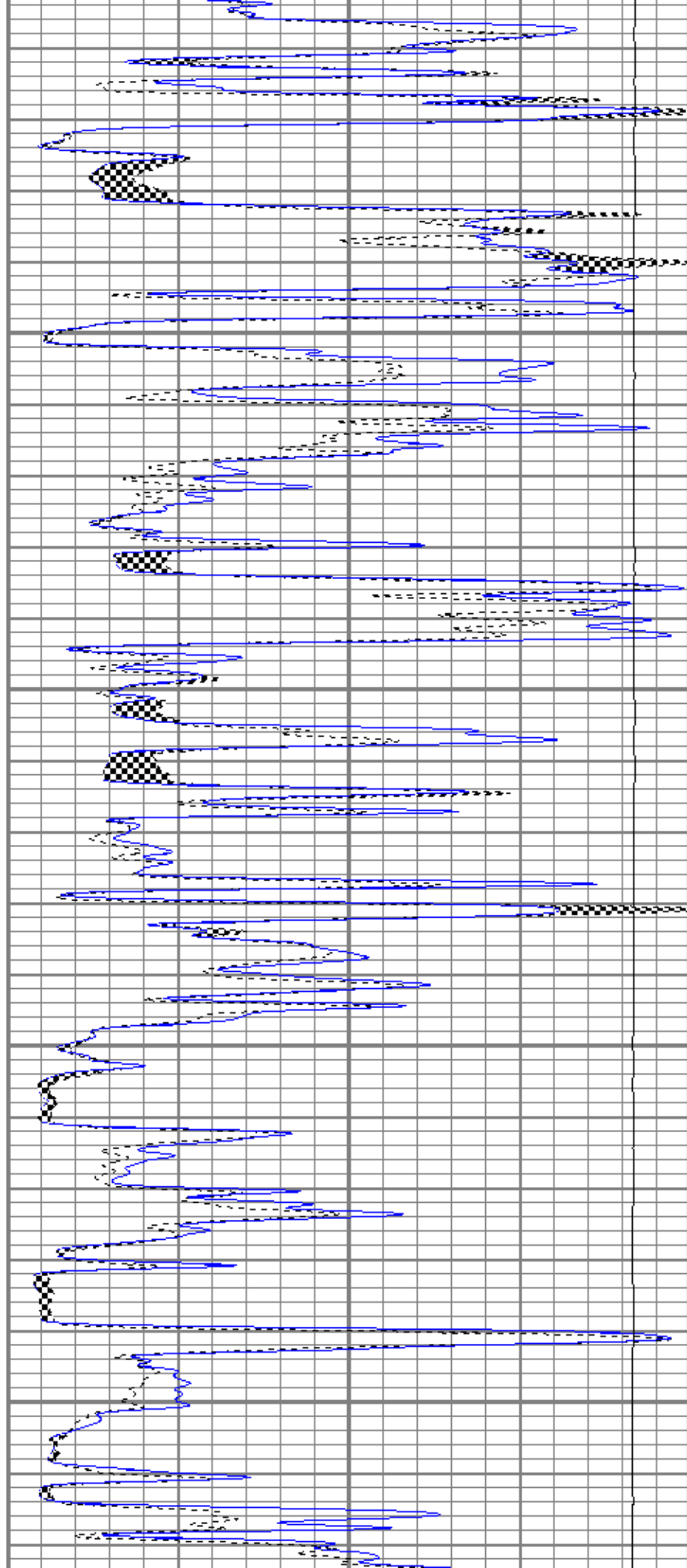


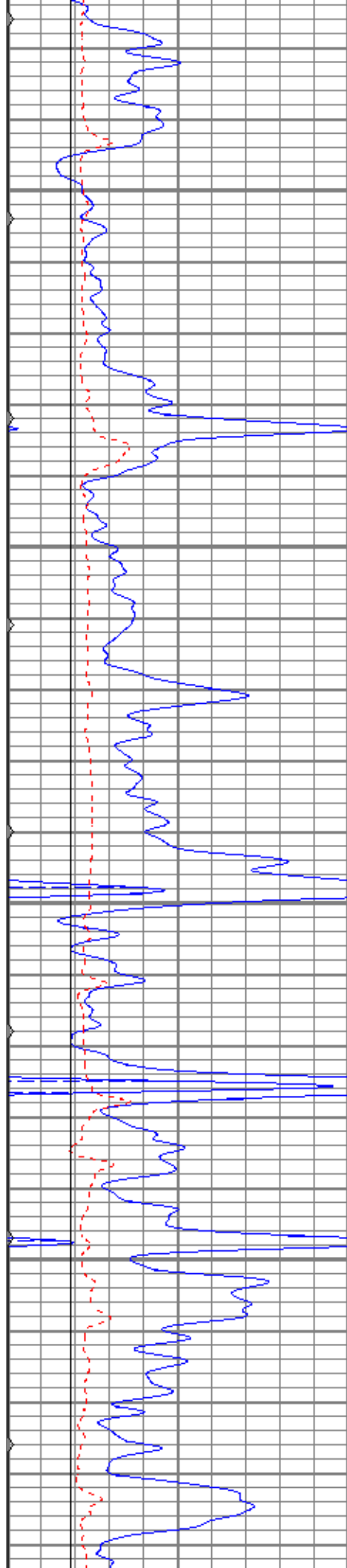
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4000

4050

4100



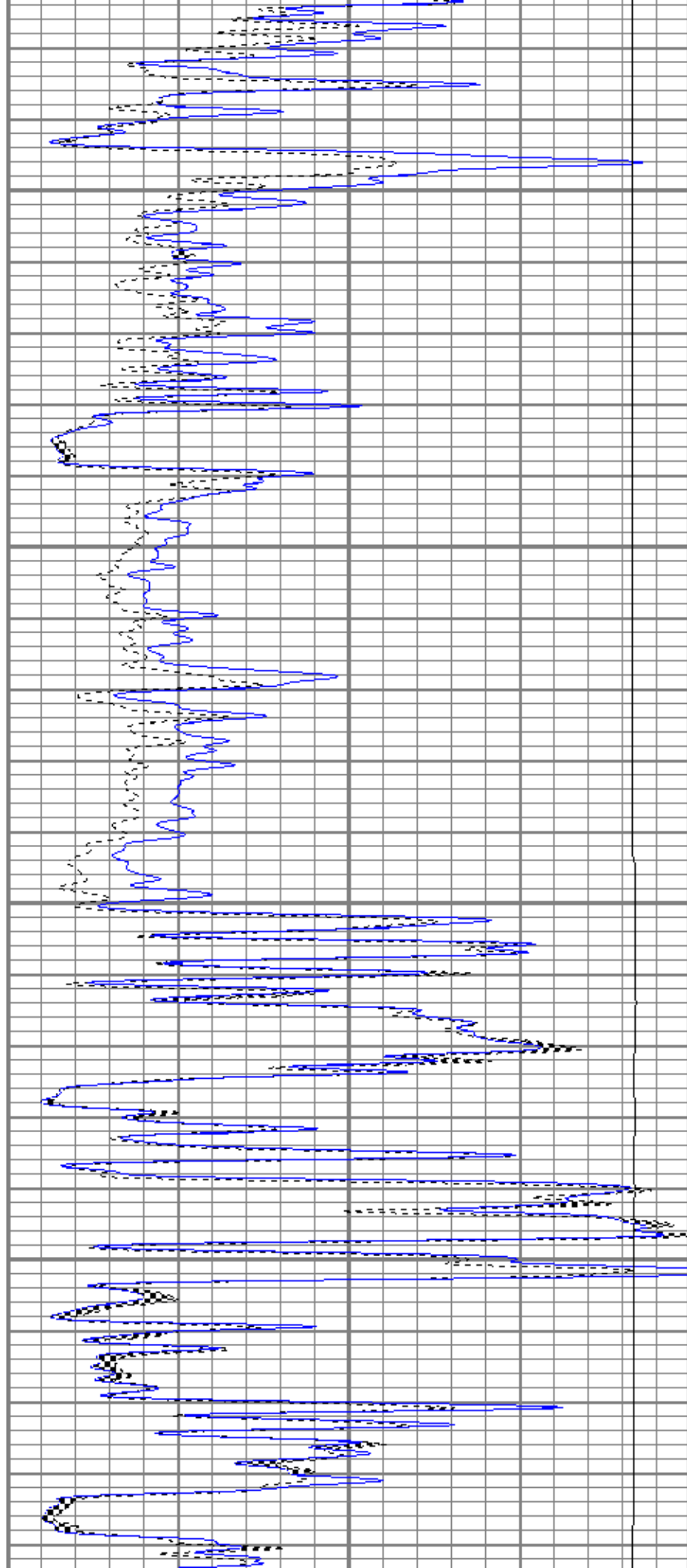


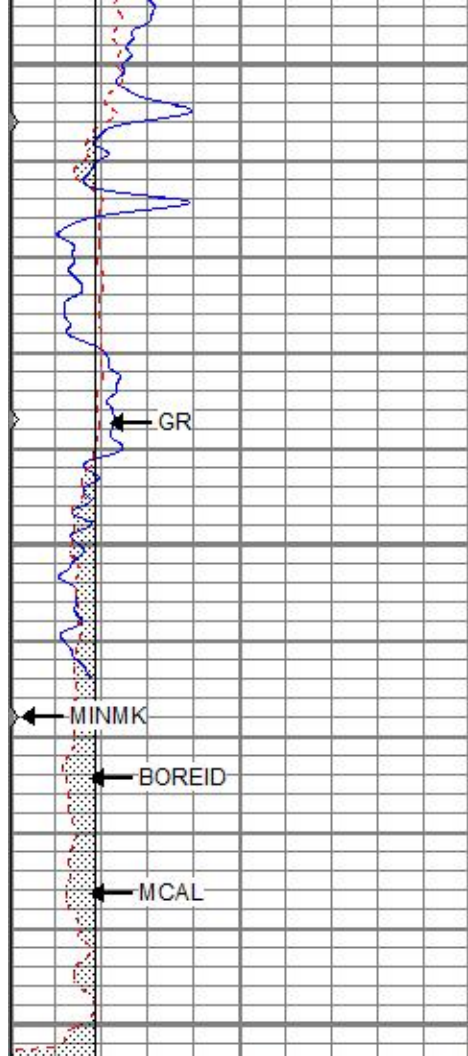
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4200

4250

4300



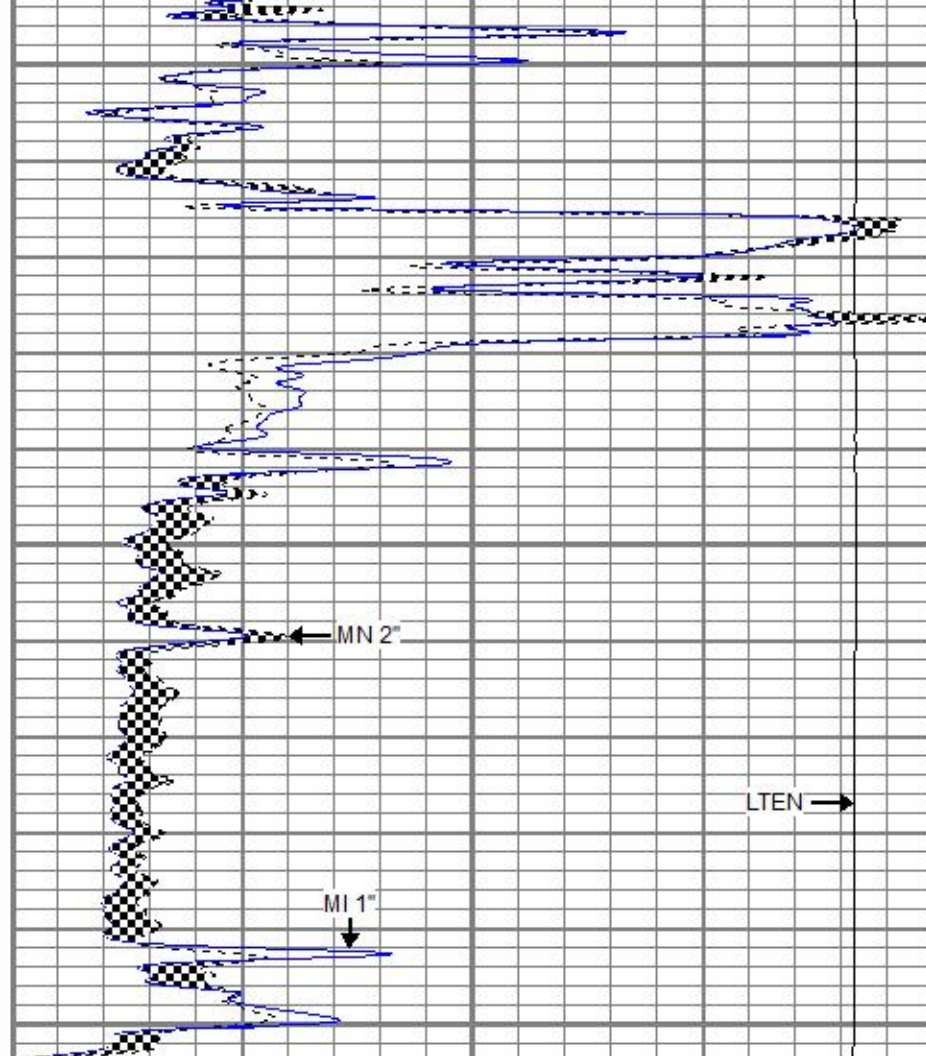


0	GR (GAPI)	150
6	MCAL (in)	16
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0	MINMK	50

4350

4400

4450



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

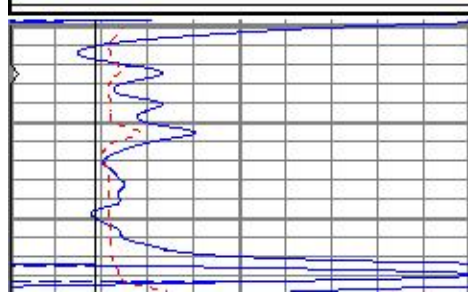


REPEAT SECTION

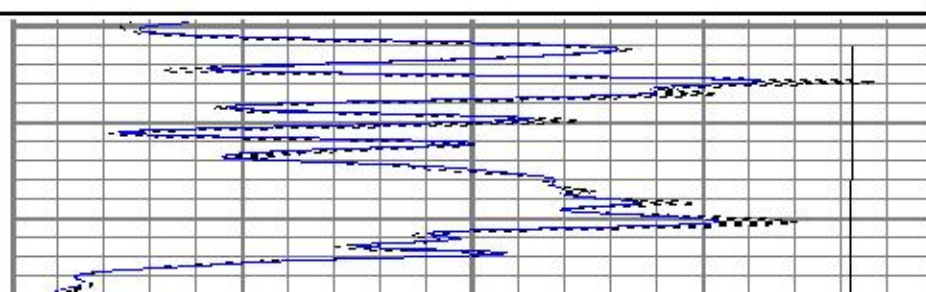
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 Dataset Creation Mon Jul 03 11:17:57 2017
 Charted by Depth in Feet scaled 1:240

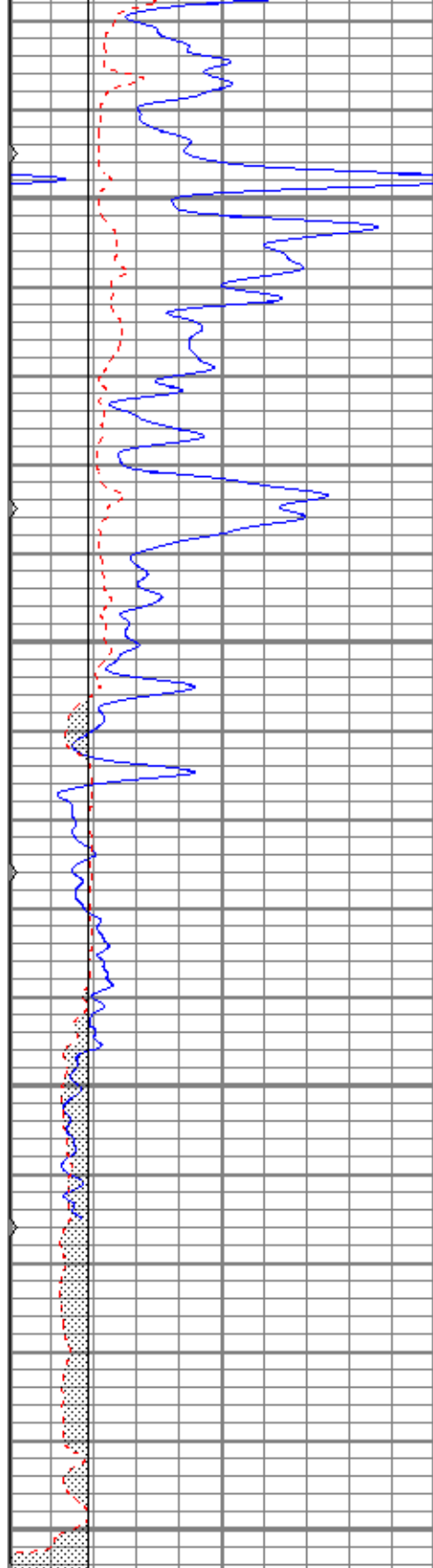
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6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

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



4250





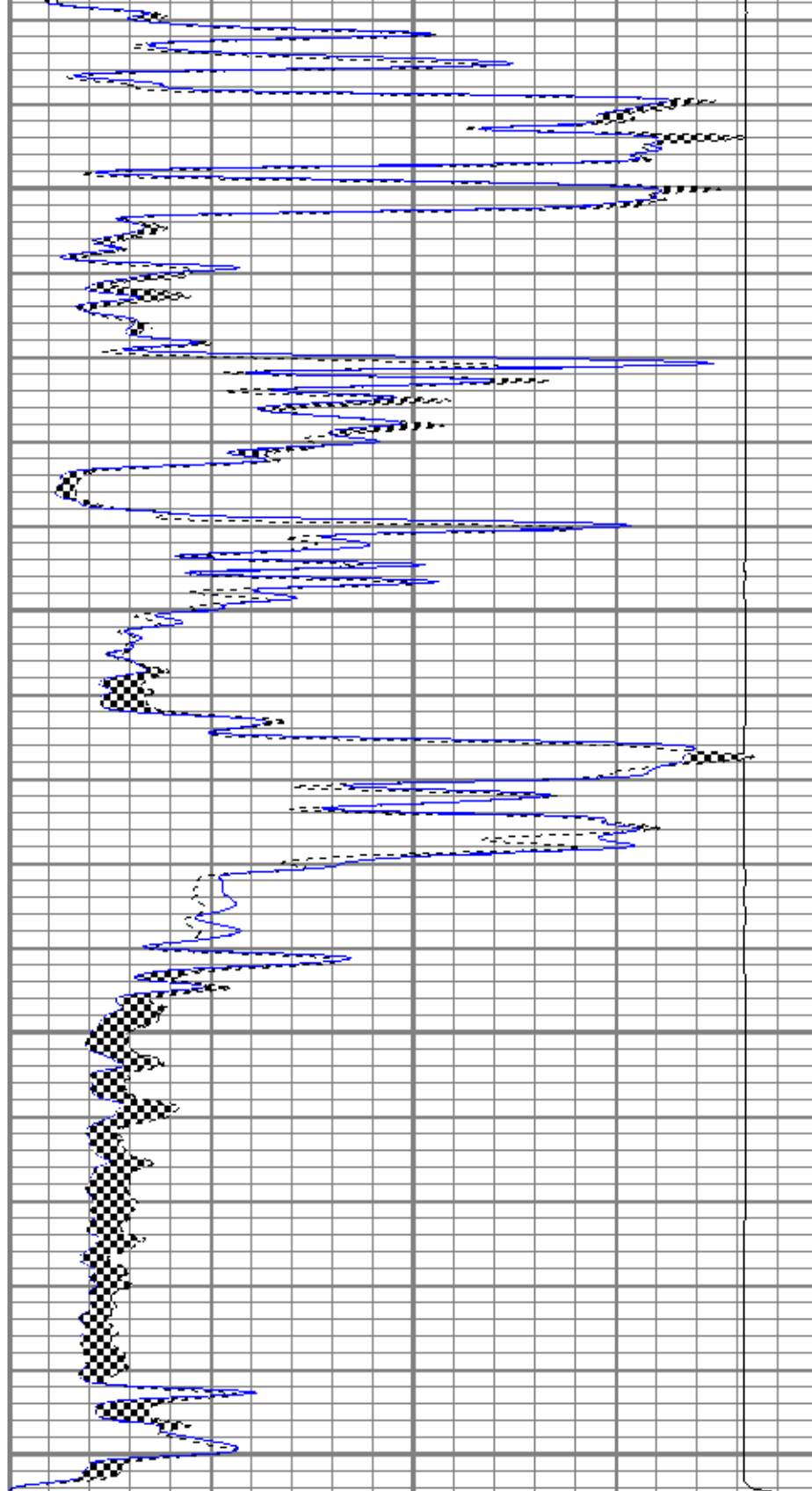
0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

4300

4350

4400

4450



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

Calibration Report

Database File ppbutterfield#2oh.db
 Dataset Pathname pass6
 Dataset Creation Mon Jul 03 11:25:43 2017

Serial-Model:
Performed:

1600-Pengo
Mon Jul 03 11:05:45 2017

Readings			References			Results		
	Zero	Cal		Zero	Cal		m	b
Normal	0.0002	0.5904	V	0.0000	10.0000	Ohm-m	16.9437	-0.0036
Inverse	0.0030	0.7617	V	0.0000	8.5000	Ohm-m	11.2031	-0.0332
Caliper	1.3663	2.2079	V	7.1500	14.0000	in	8.1387	-3.9696

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL	1.30		CHD-None	0.75	1.50	5.00
MI	1.30		ML-Pengo (1600)	6.97	3.50	100.00
MN	1.30					
Dataset: ppbutterfield#2oh.db: field/well/run1/pass6						
Total length: 7.72 ft						
Total weight: 105.00 lb						
O.D.: 3.50 in						