



DUAL INDUCTION LOG

Company	Palomino Petroleum	Company	Palomino Petroleum
Well	Mendenhall #6	Well	Mendenhall #6
Field	Broughton North	Field	Broughton North
County	Lane	County	Lane
State	Kansas	State	Kansas
Location:	API #: 15 101 22605	Other Services	CDNL ML
Permanent Datum	SEC 3 TWP 16S RGE 27W	Elevation	
Log Measured From	2518' FSL & 2298' FEL	K.B. 2581'	
Drilling Measured From	KB	D.F. 2580'	
		G.L. 2576'	
Date	3-15-18		
Run Number	One		
Depth Driller	4560'		
Depth Logger	4562'		
Bottom Logged Interval	4560'		
Top Log Interval	200'		
Casing Driller	218'		
Casing Logger	218'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/5.4		
pH / Fluid Loss	10.0/8.0		
Source of Sample	Pit		
Rm @ Meas. Temp	0.90@64degf		
Rmf @ Meas. Temp	0.72@64degf		
Rmc @ Meas. Temp	1.15@64degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.51@112degf		
Time Circulation Stopped	12:00 A.M.		
Time Logger on Bottom	1:50 A.M.		
Maximum Recorded Temperature	112degf		
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

Red Chief rd East side of Pendennis,
3 mi North to Rd 285, 2 mi East, North and East into

Thanks for using Gemini Wireline LLC
785-625-1182



MAIN PASS

Database File ppmendenhall6oh.db
Dataset Pathname pass3.1
Presentation Format kdi11nn
Dataset Creation Thu Mar 15 03:31:50 2018
Charted by Depth in Feet scaled 1:600

0 GR (GAPI) 150

1000 CILD (mmho/m) 0

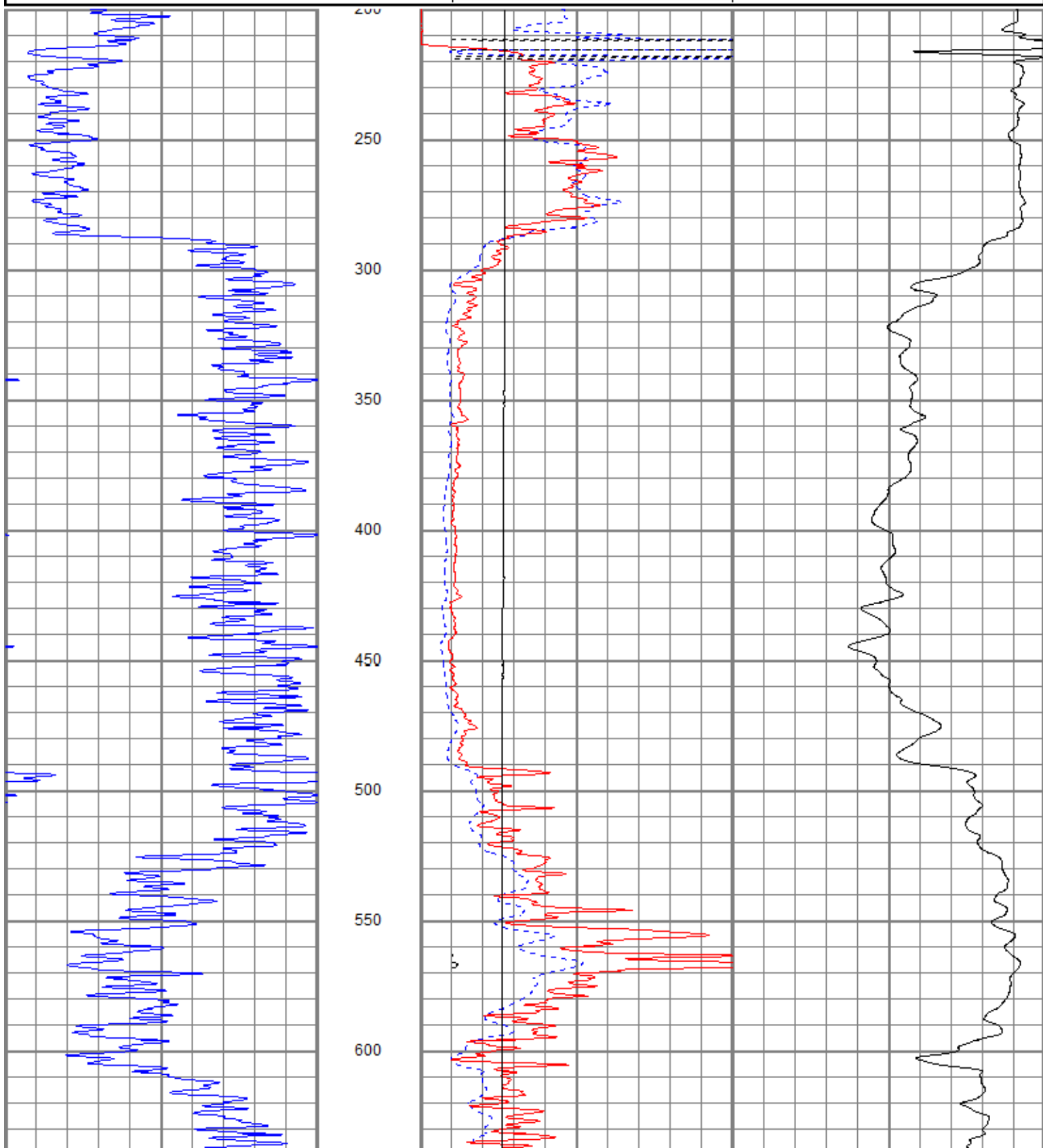
10000 LTEN (lb) 0

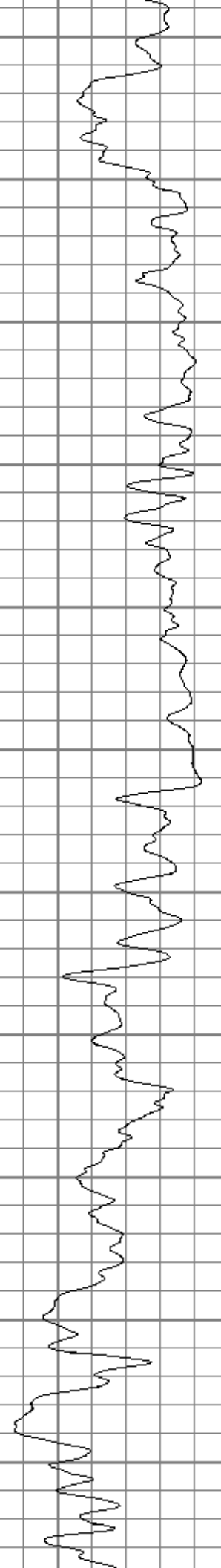
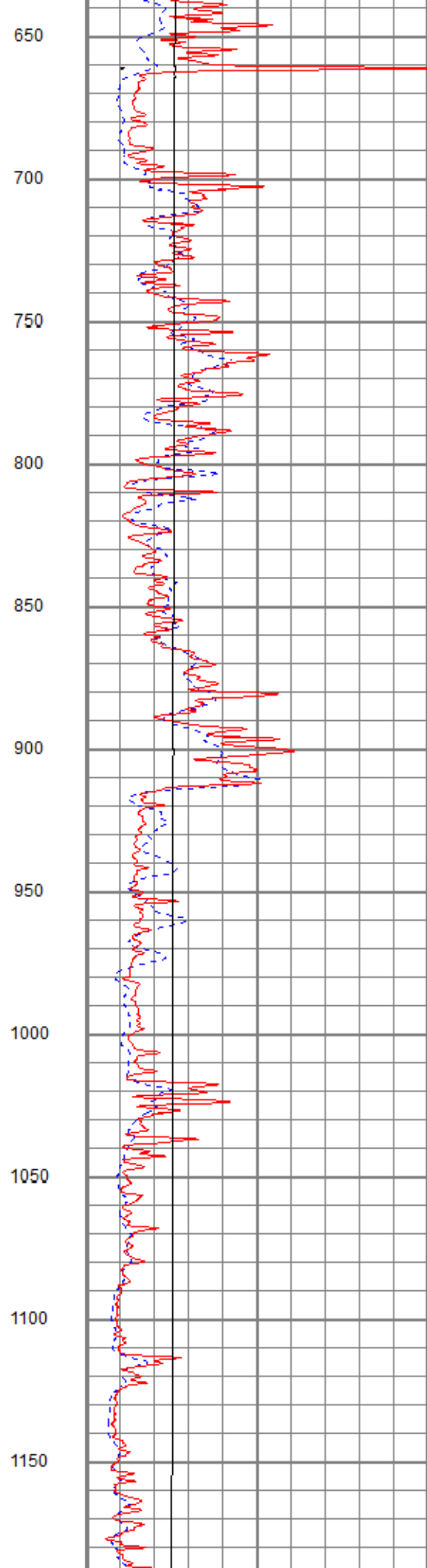
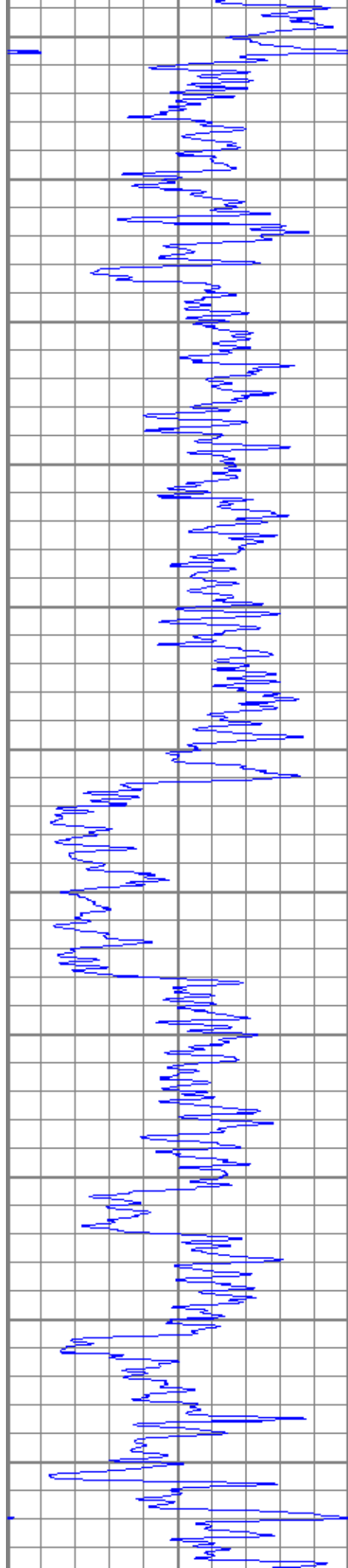
0 RILD (Ohm-m) 50

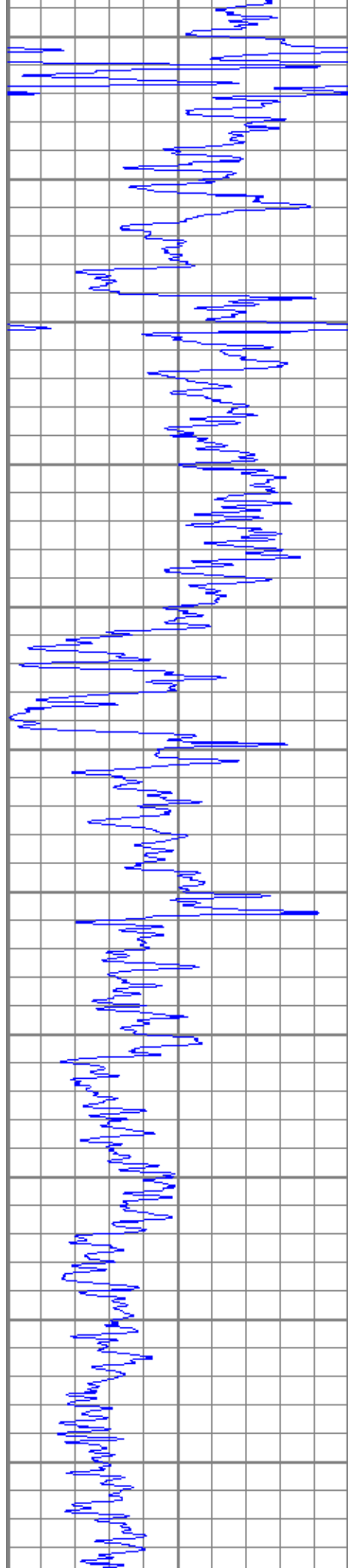
0 RLL3 (Ohm-m) 50

50 RILD x 10 (Ohm-m) 500

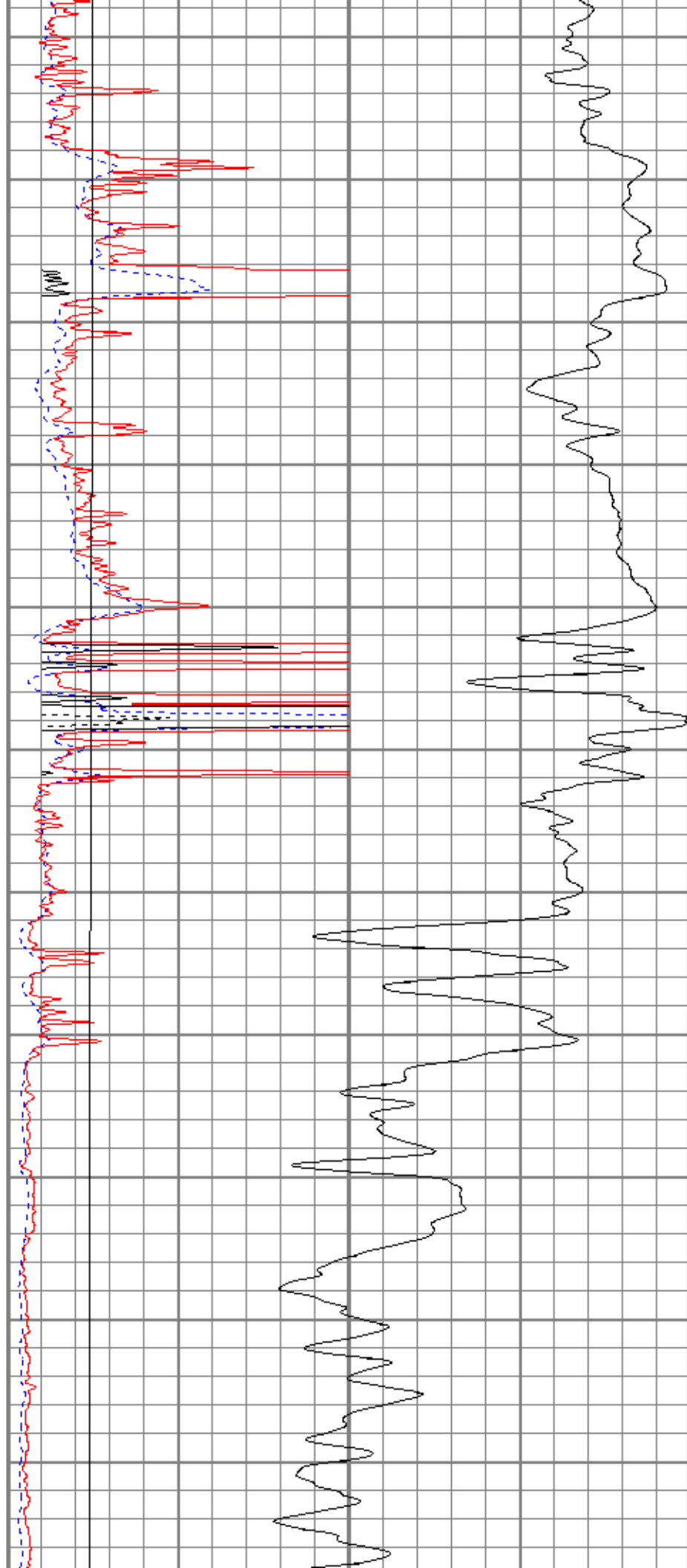
50 RLL3 x 10 (Ohm-m) 500

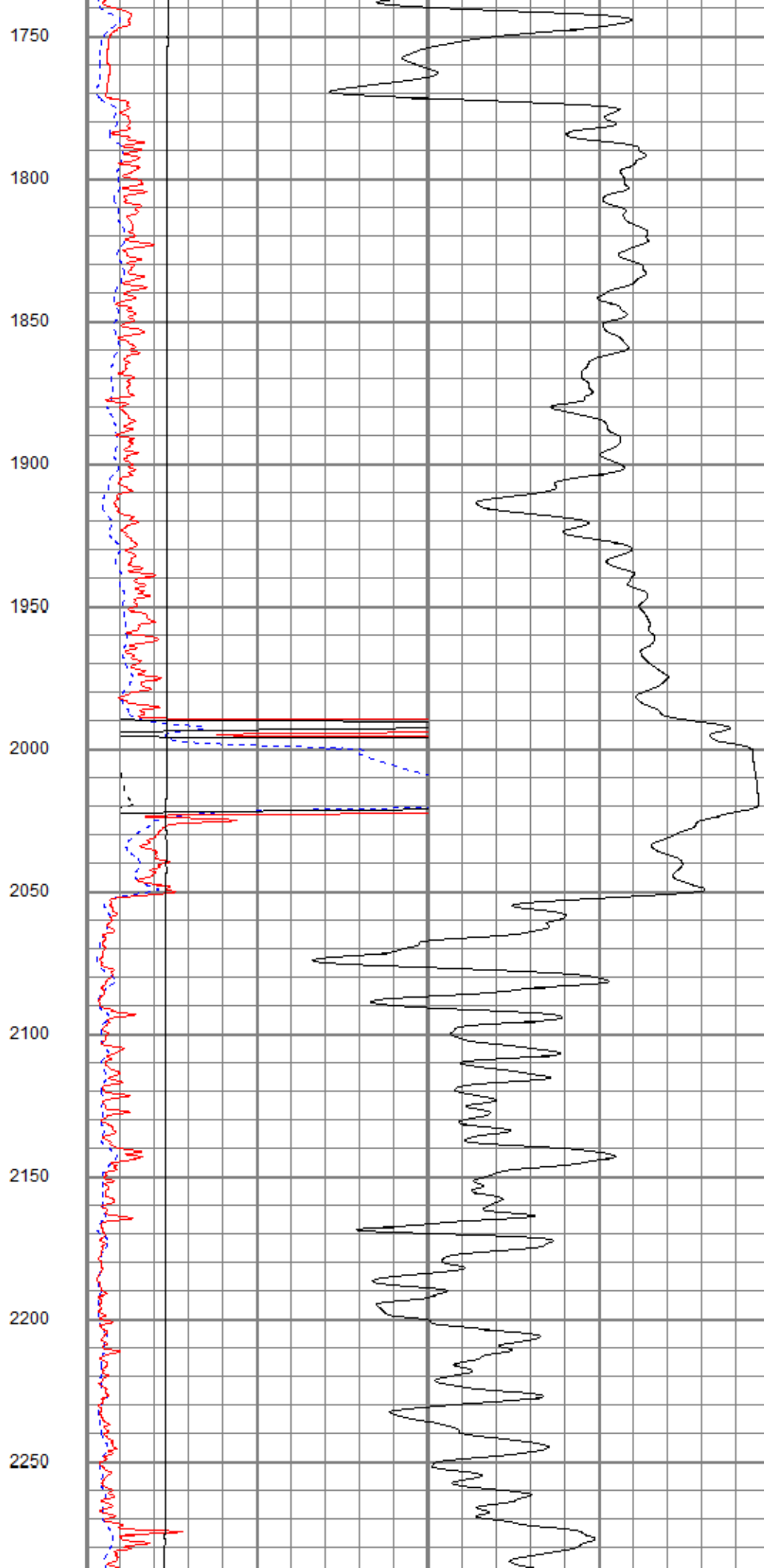
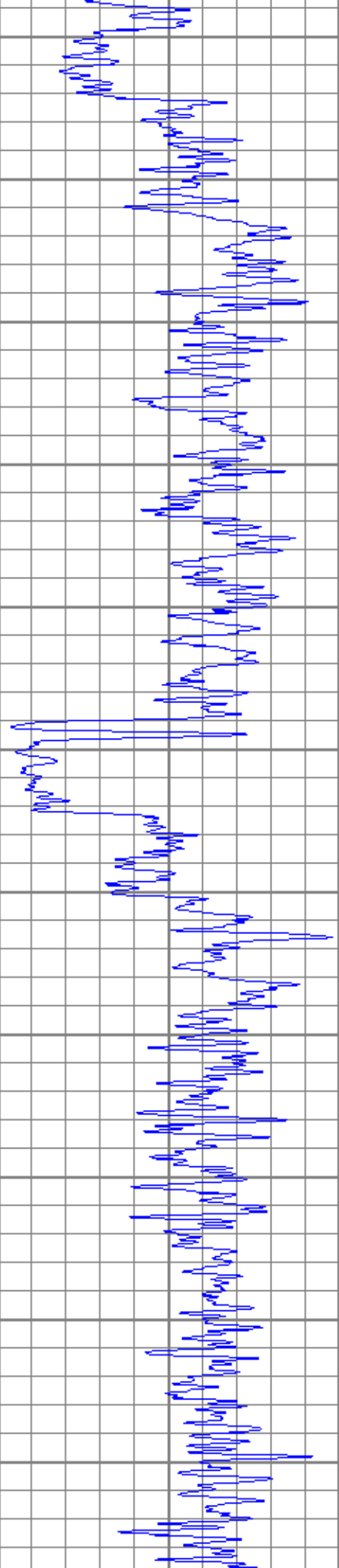


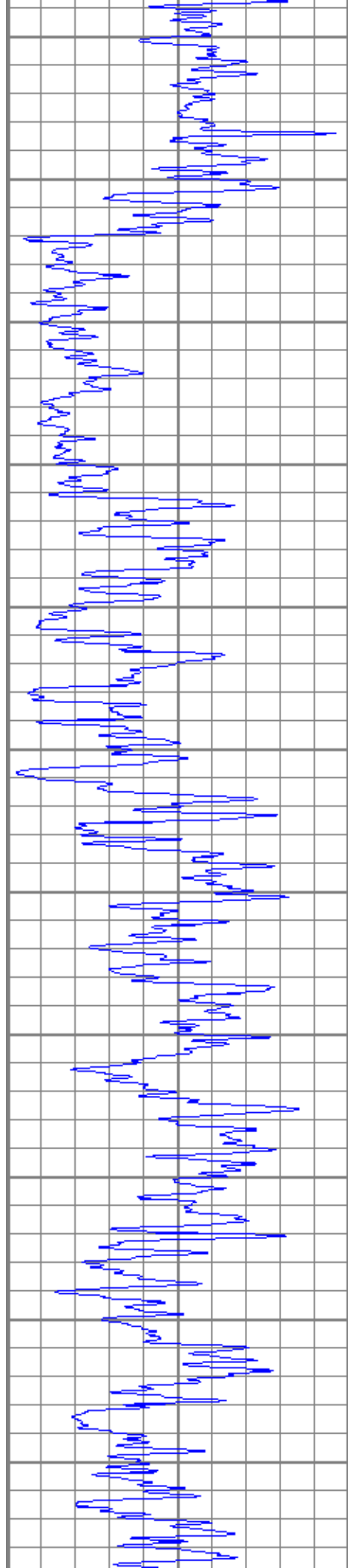




1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700







2300

2350

2400

2450

2500

2550

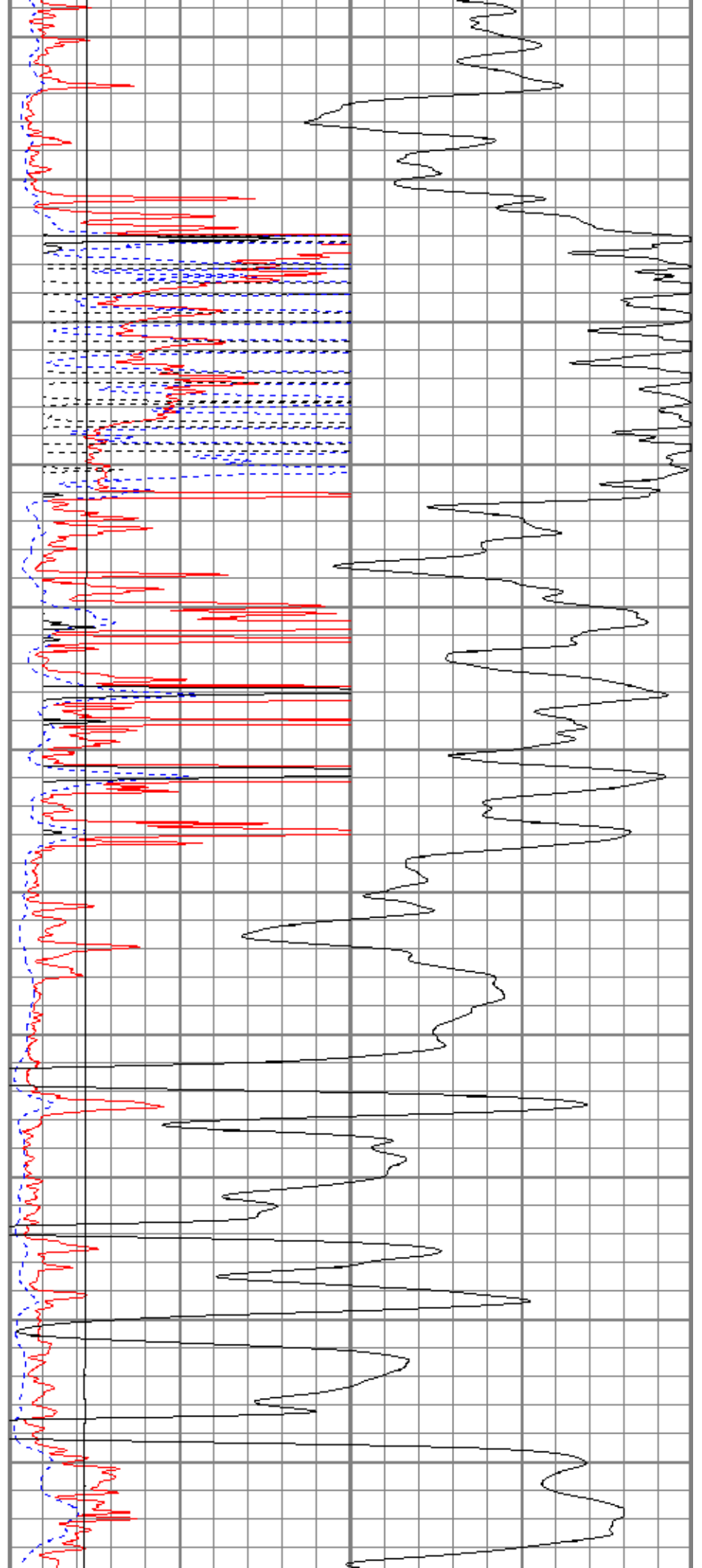
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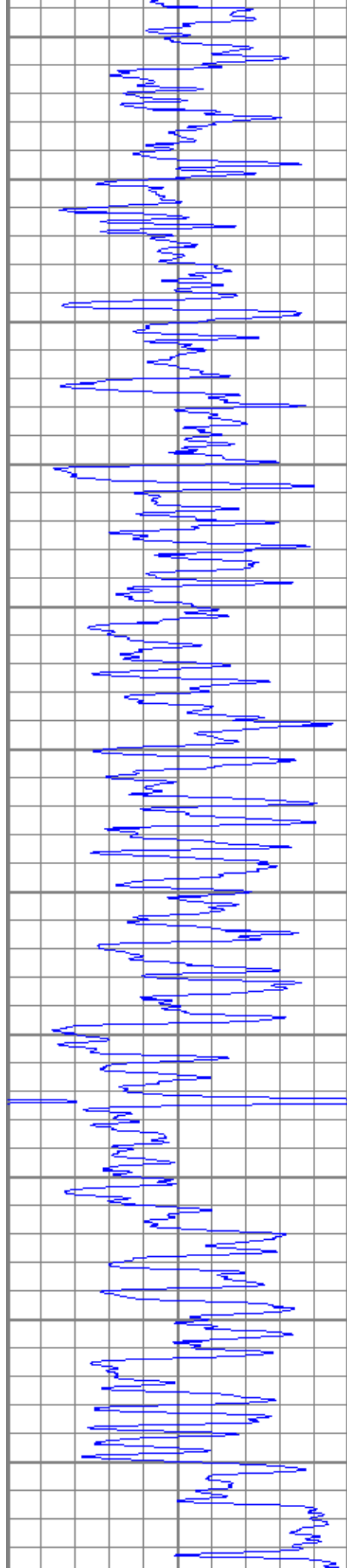
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2700

2750

2800





2850

2900

2950

3000

3050

3100

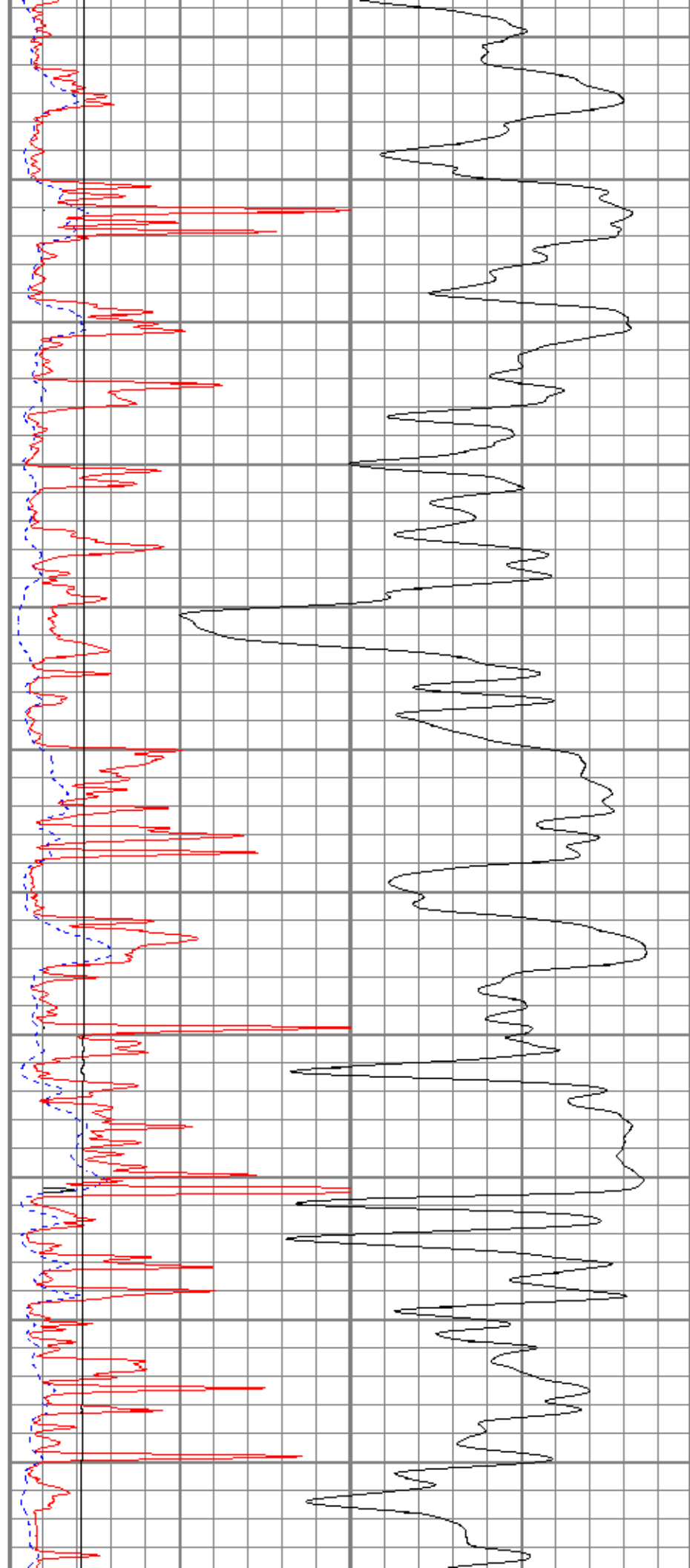
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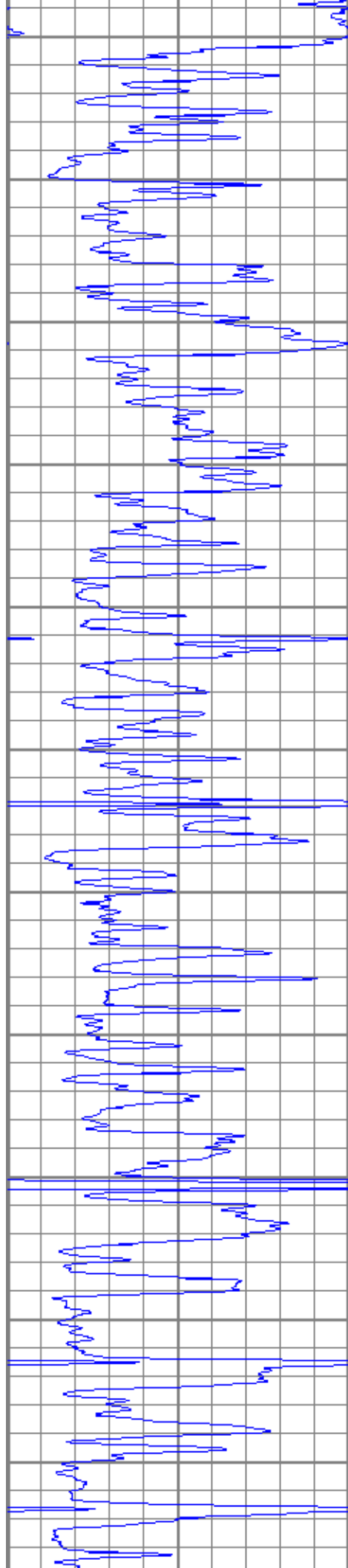
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3250

3300

3350





3400

3450

3500

3550

3600

3650

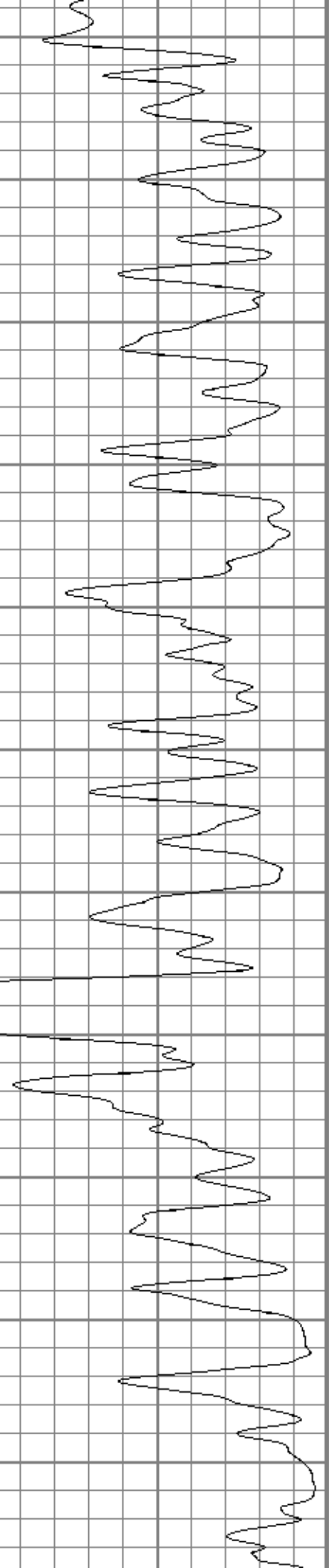
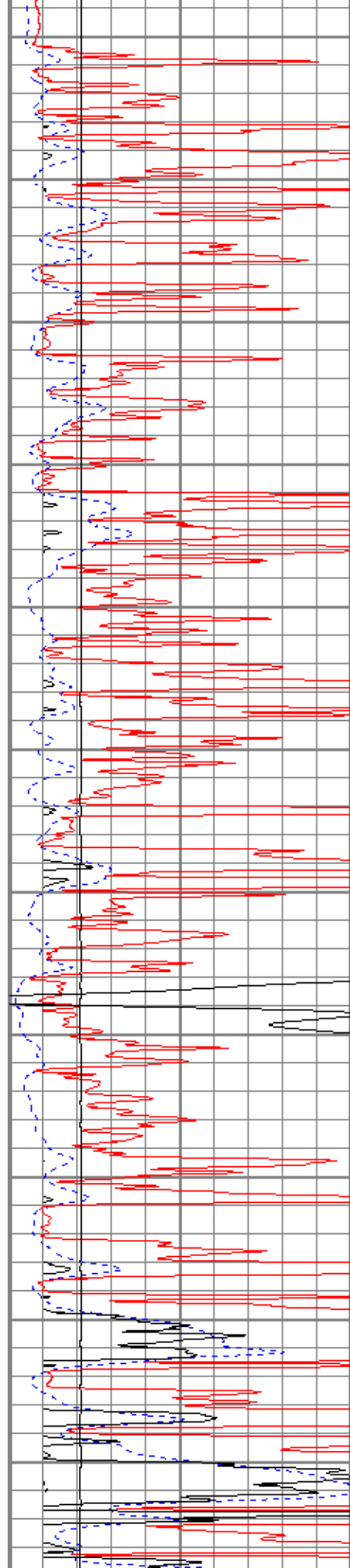
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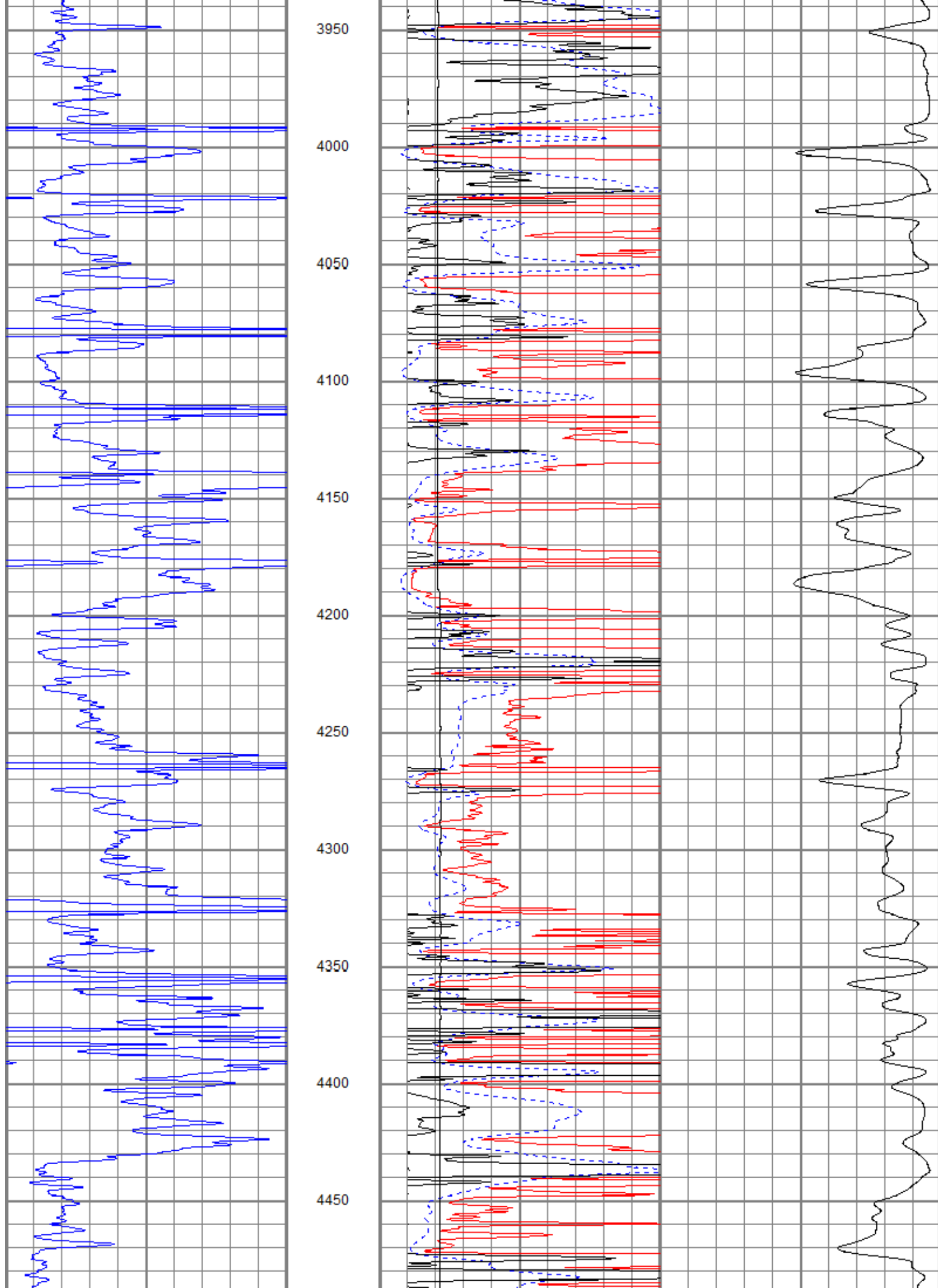
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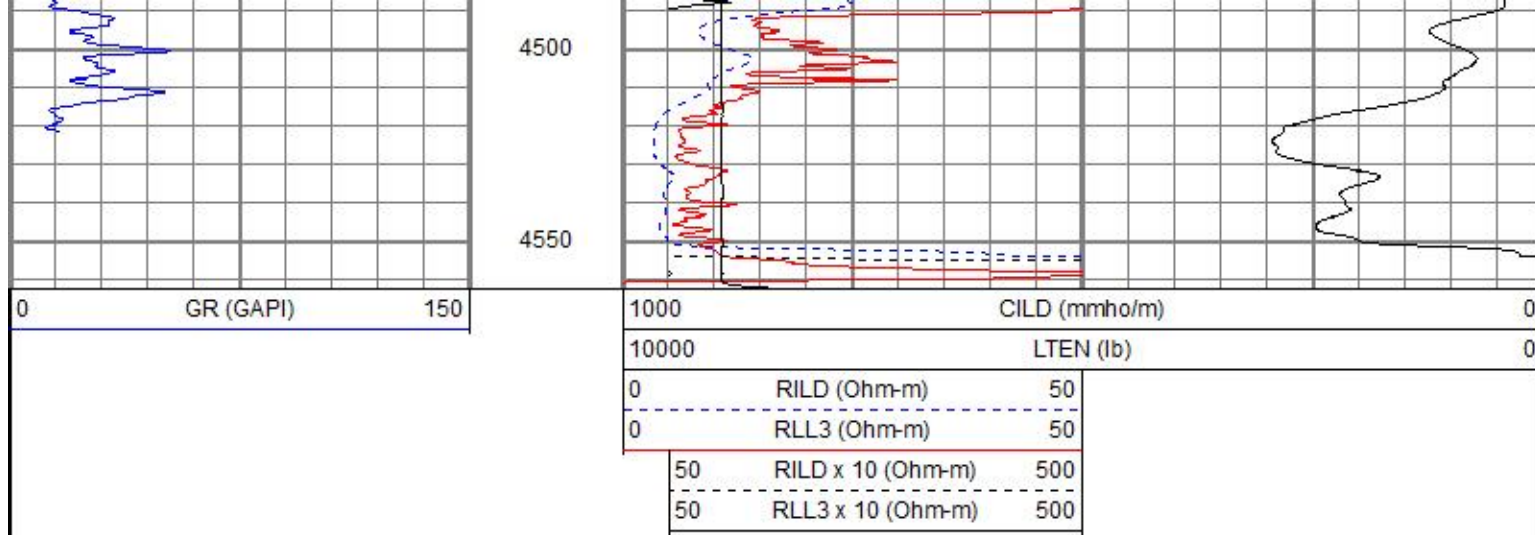
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3850

3900



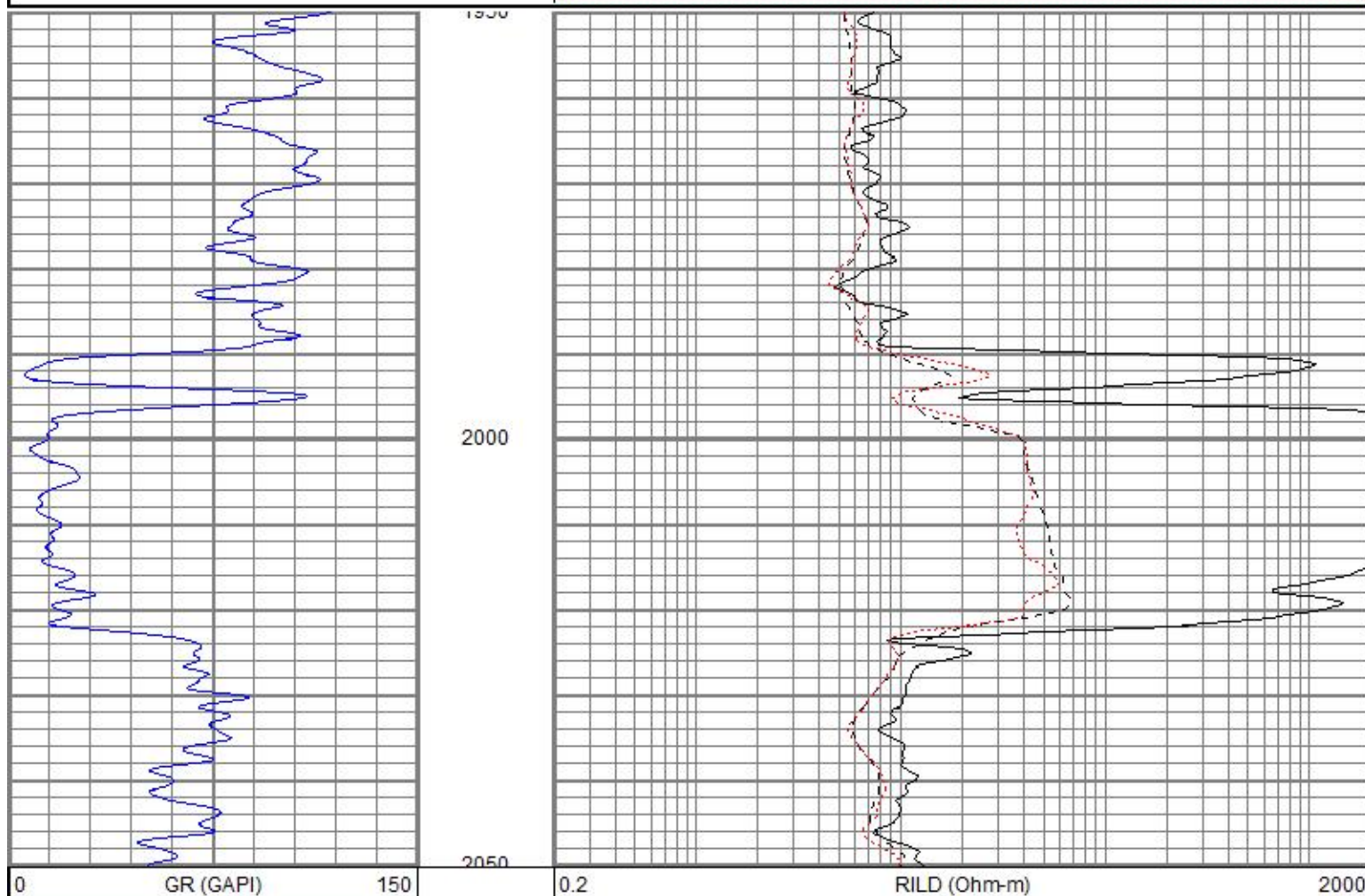




MAIN PASS

Database File ppmendenhall6oh.db
 Dataset Pathname pass3.1
 Presentation Format kdil
 Dataset Creation Thu Mar 15 03:31:50 2018
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	0.2	RILD (Ohm-m)	2000
150	SP (mV)	350	0.2	RLL3 (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000



150	SP (mV)	350
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0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

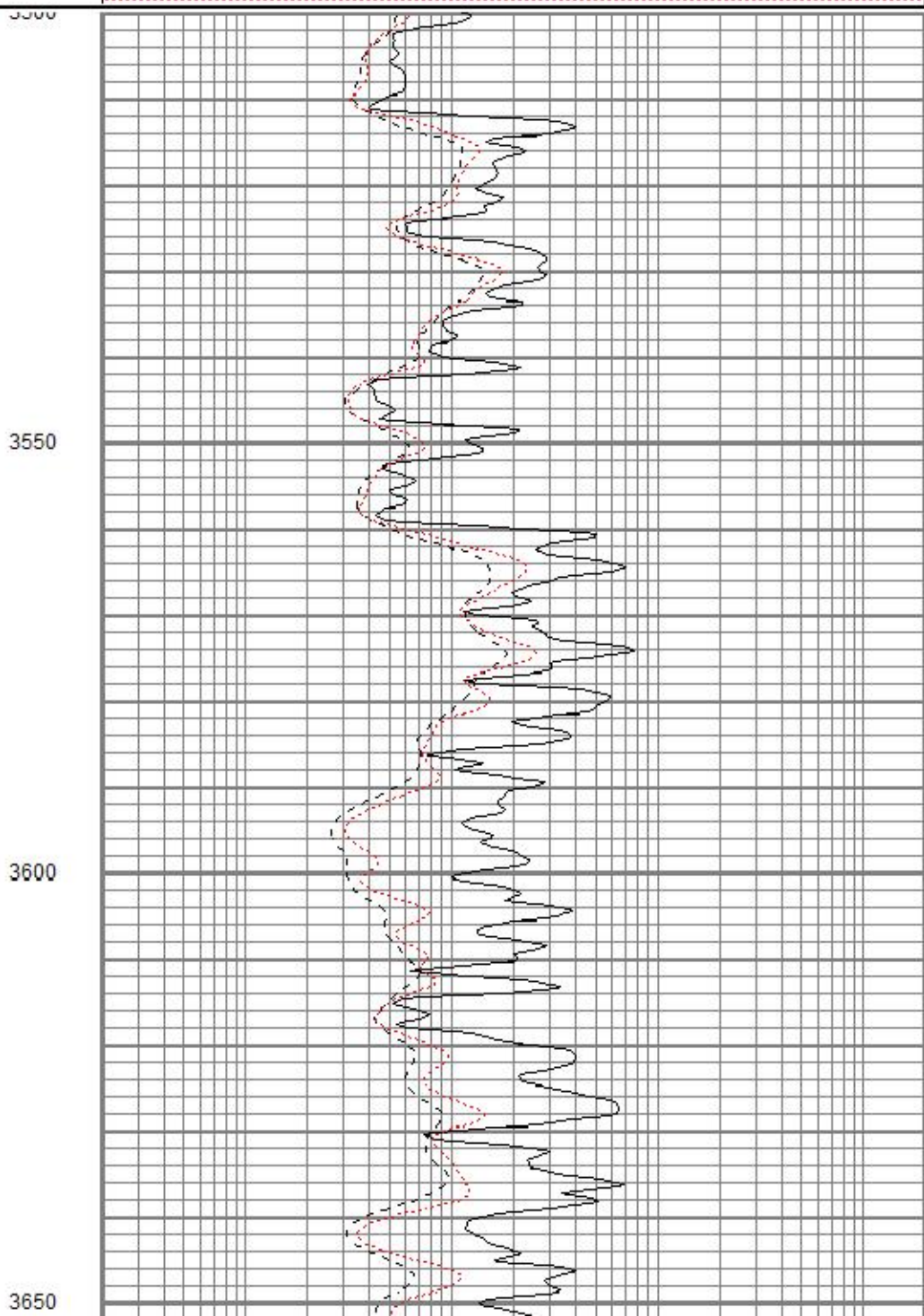
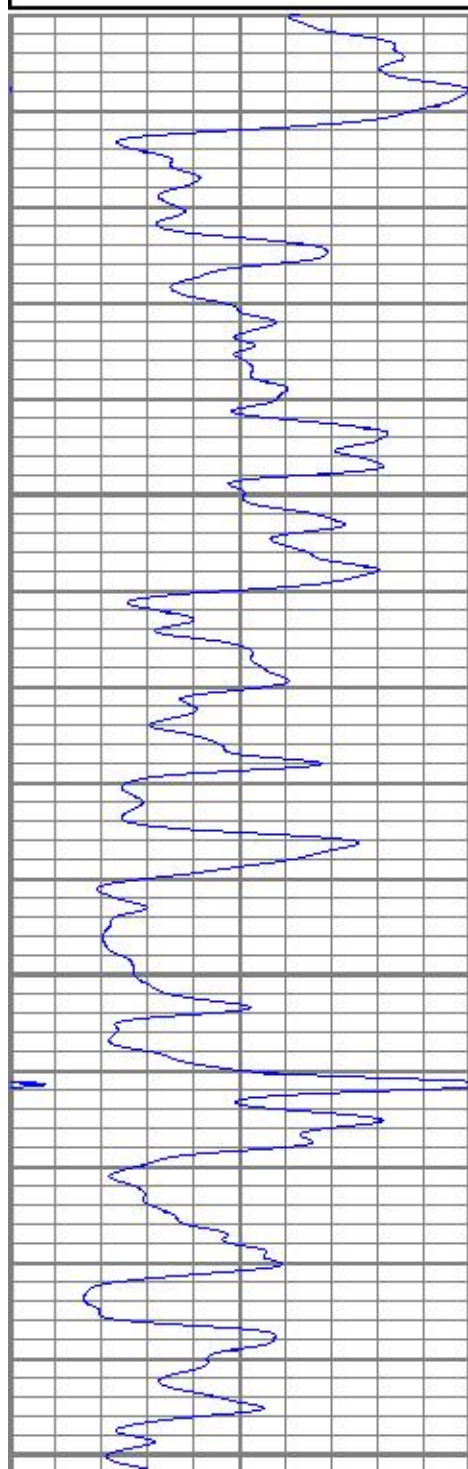


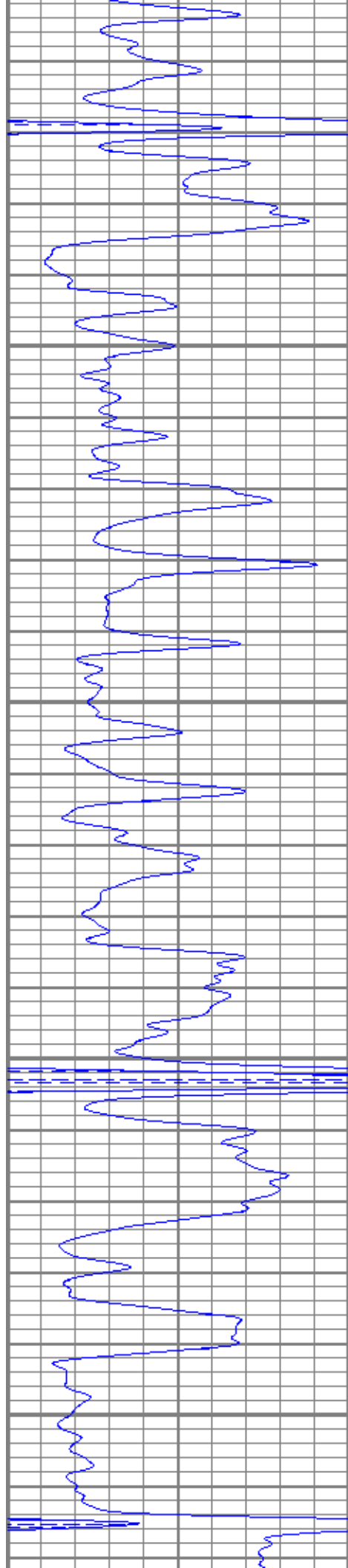
MAIN PASS

Database File ppmendenhall6oh.db
 Dataset Pathname pass3.1
 Presentation Format kdil
 Dataset Creation Thu Mar 15 03:31:50 2018
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
150	SP (mV)	350

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



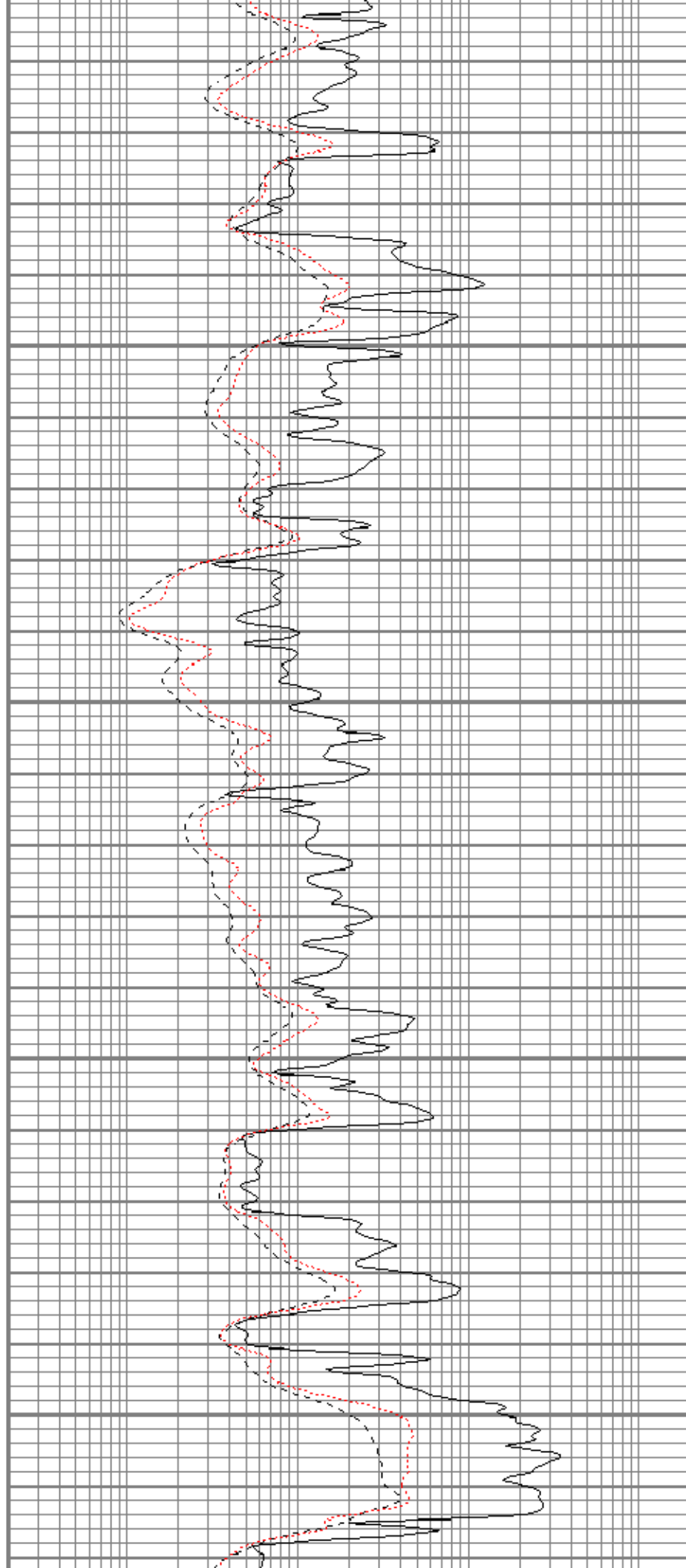


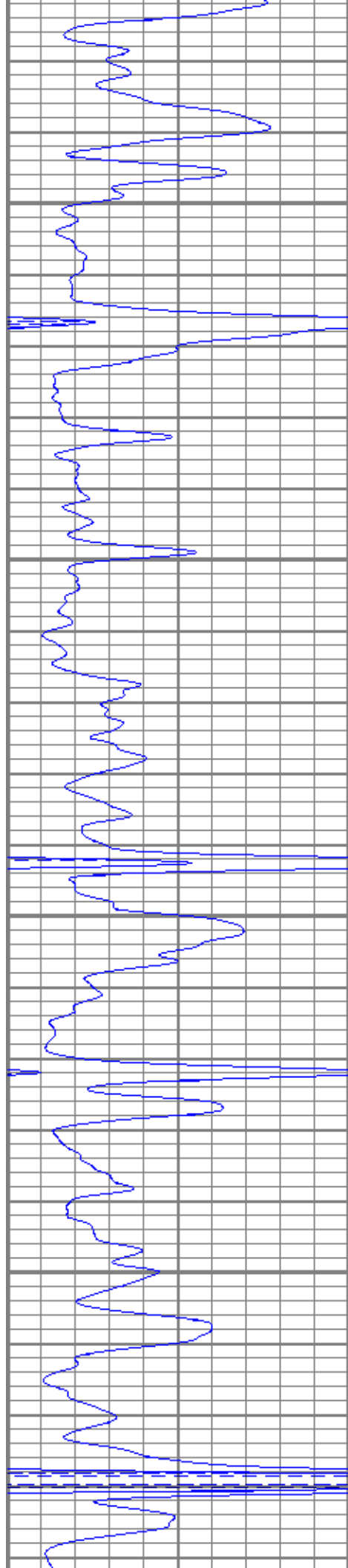
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3750

3800

3850



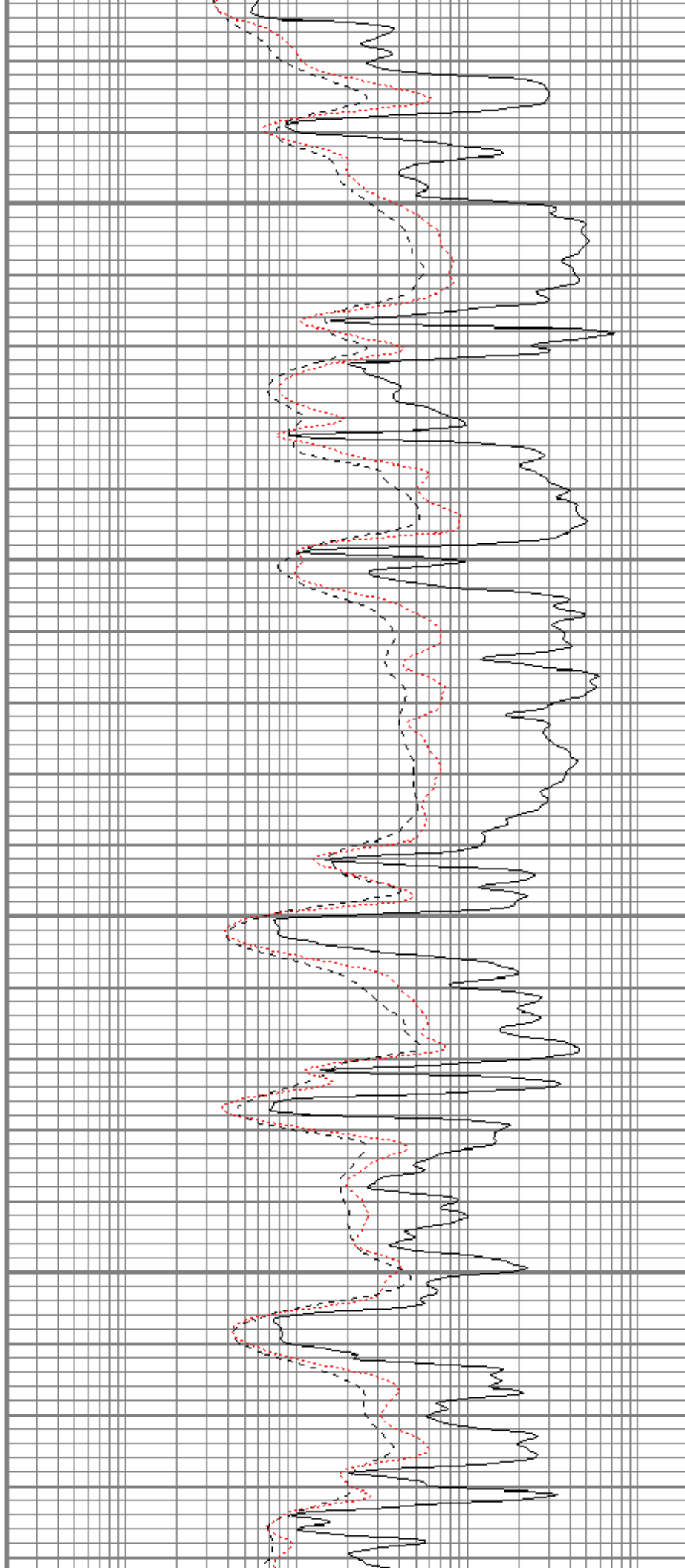


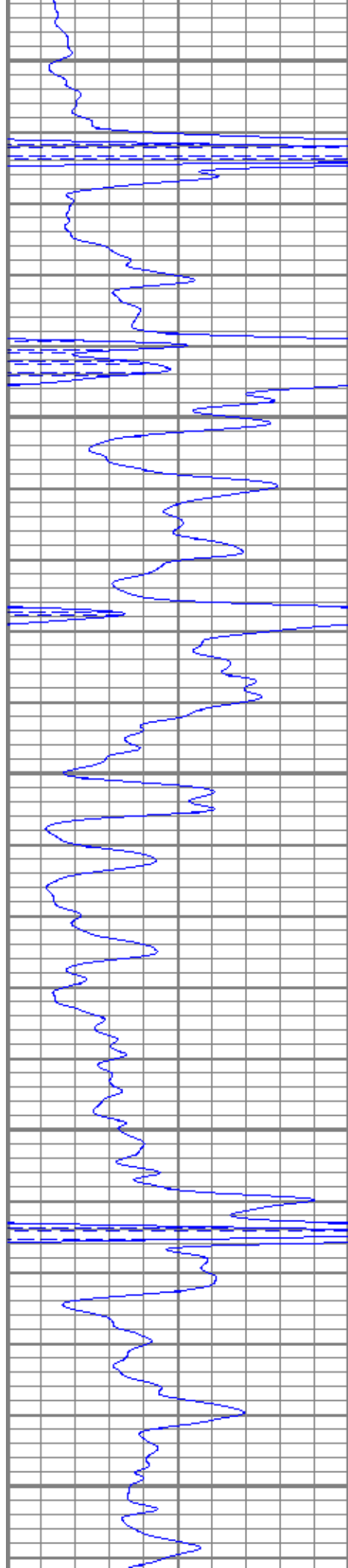
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3950

4000

4050





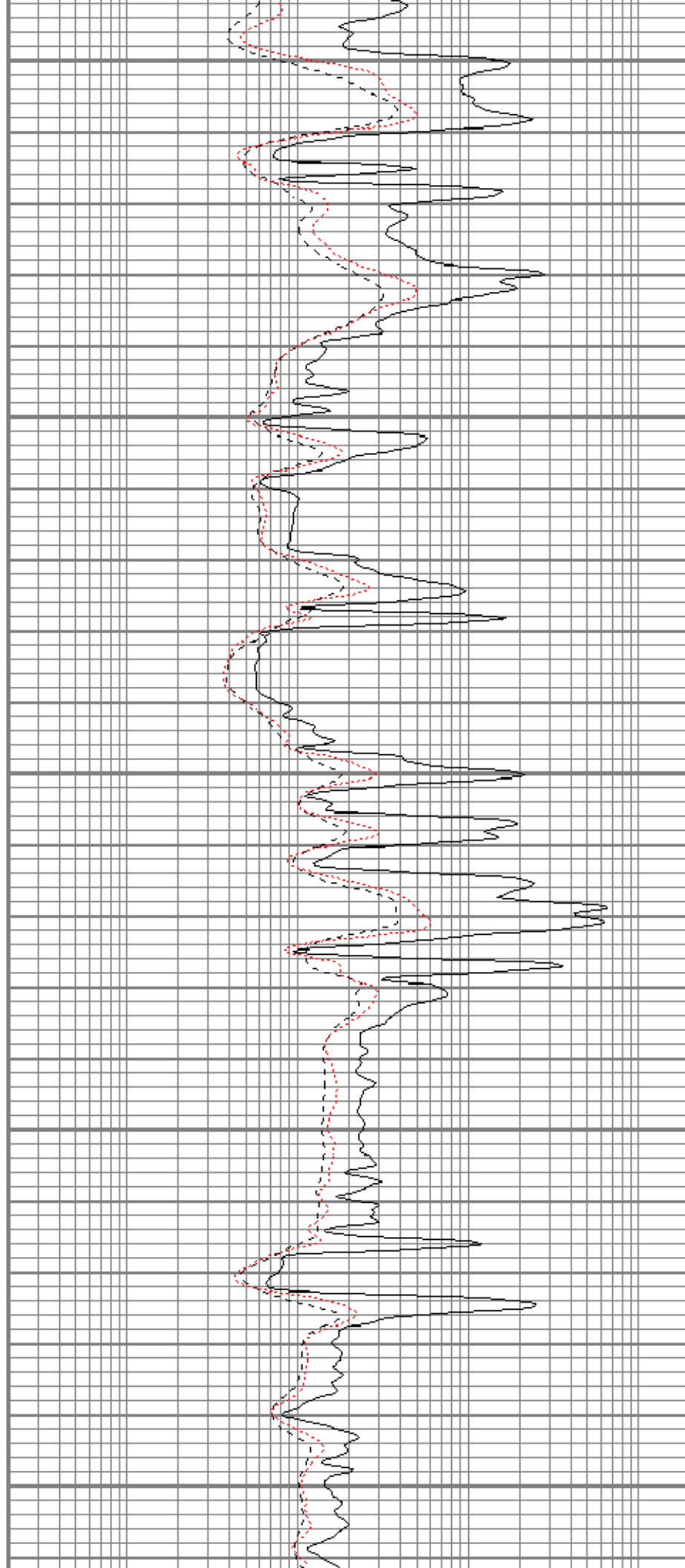
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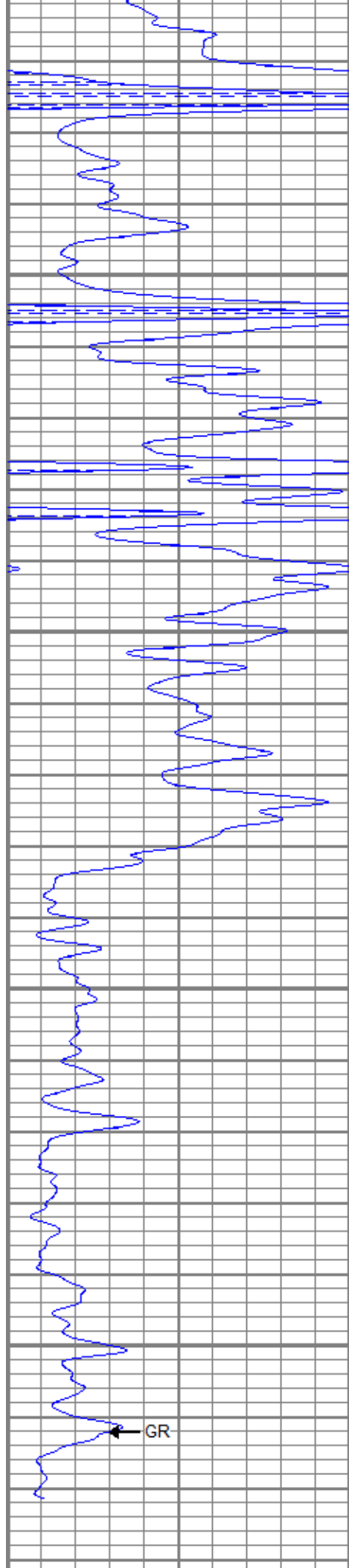
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4200

4250

4300





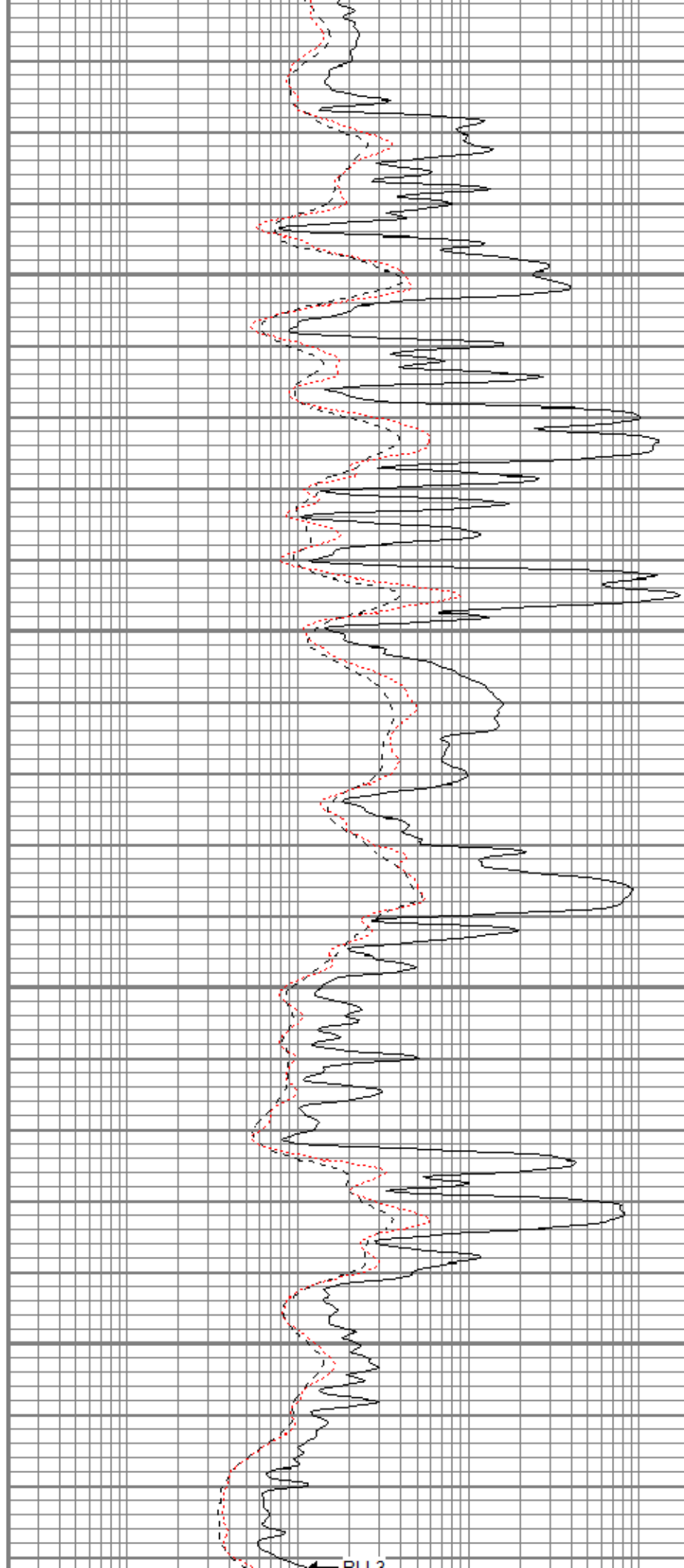
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4400

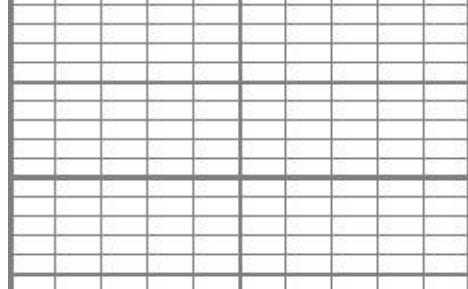
4450

4500

GR



PL 2



0	GR (GAPI)	150
150	SP (mV)	350

4550



0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

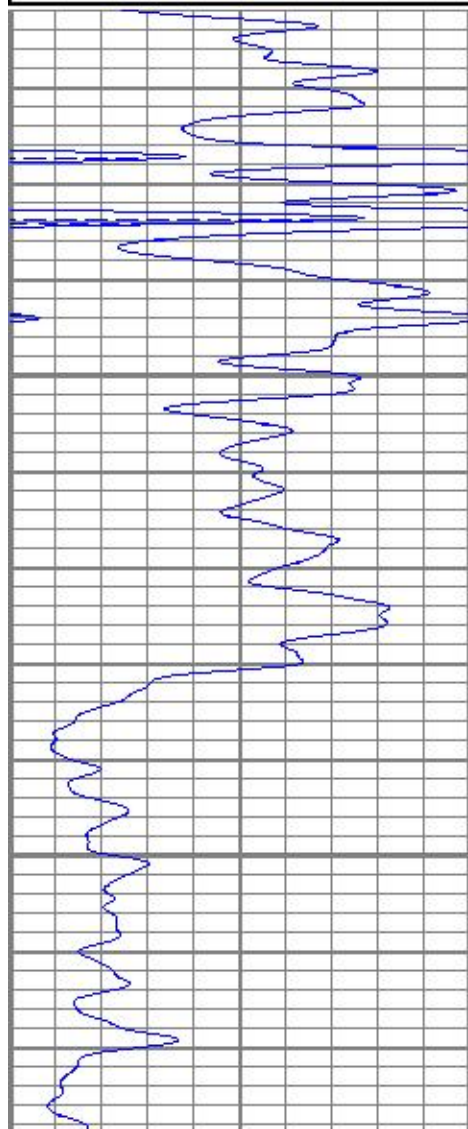


REPEAT SECTION

Database File ppmendenhall6oh.db
Dataset Pathname pass1.1
Presentation Format kdil
Dataset Creation Thu Mar 15 03:25:59 2018
Charted by Depth in Feet scaled 1:240

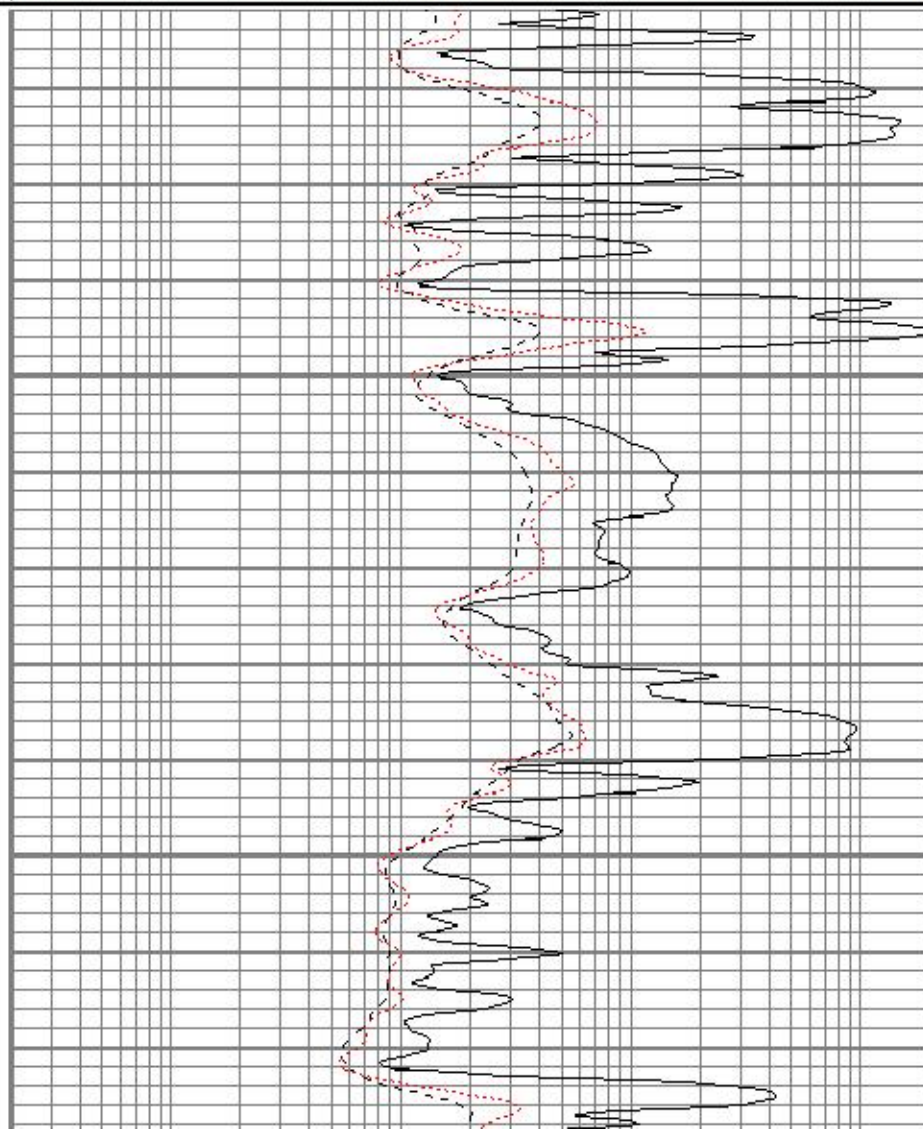
0	GR (GAPI)	150
150	SP (mV)	350

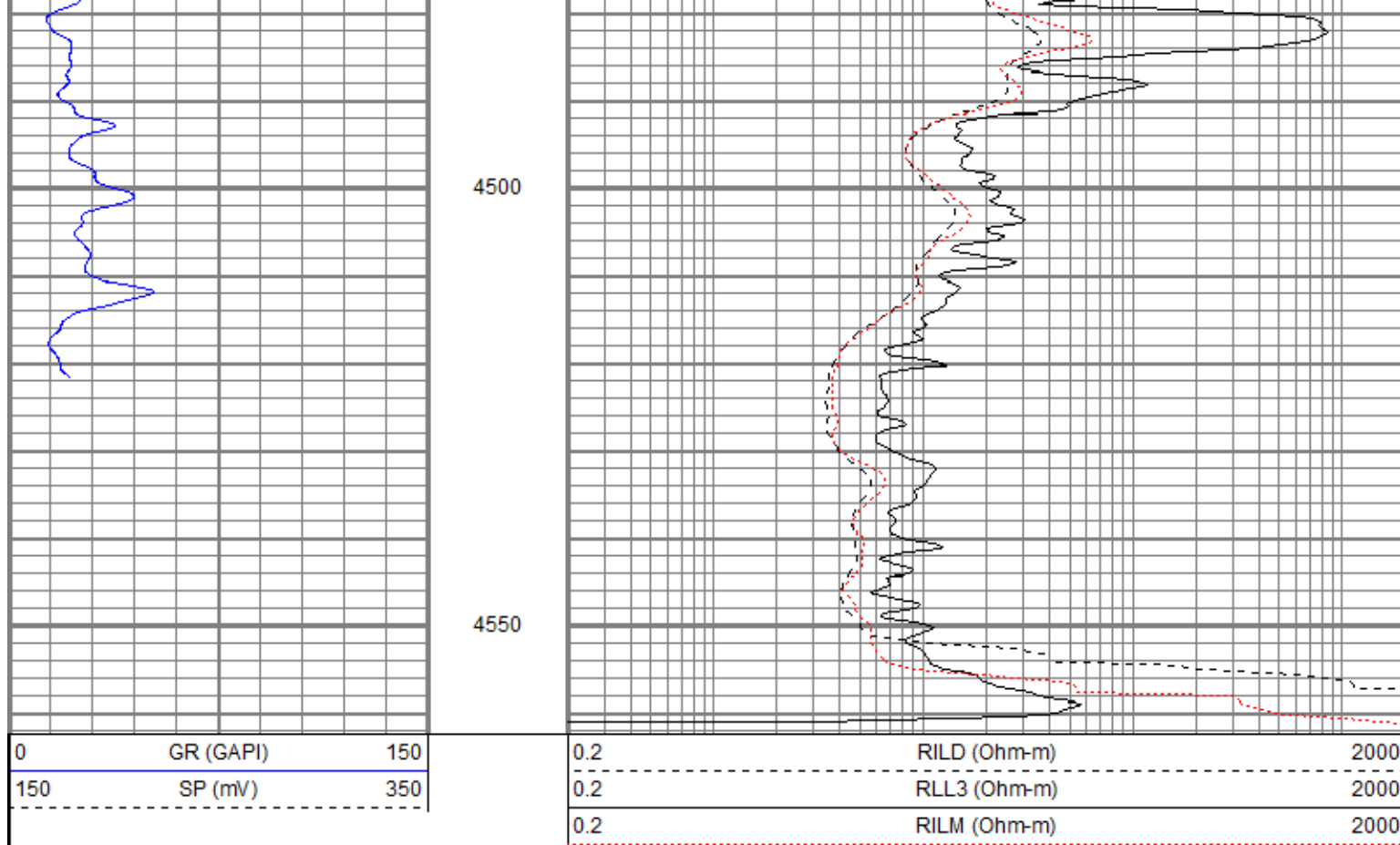
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



4400

4450





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	38.31		CHD-STD	0.50	1.69	1.00
ACCY	37.15		ADT-WOMC (WithOutMC) Telemetry Without Mud Cell	4.58	3.50	120.00
ACCX	37.15					
SSTAT	36.73					

PSTAT	35.90		NEU-lithogearhart (2017)	5.65	3.50	85.00
ASTAT	35.90					
GRD	35.06					
TEMP	35.06					
NEU	31.70					
LStat	22.54					
LS8	21.88					
LS7	21.88					
LS6	21.88					
LS5	21.88					
LS4	21.88		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
LS3	21.88					
LS2	21.88					
LS1	21.88					
LSV	21.88					
LSD	21.86					
SSV	21.67					
SS8	21.67					
SS7	21.67					
SS6	21.67					
SS5	21.67		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
SS4	21.67					
SS3	21.67					
SS2	21.67					
SS1	21.67					
DCAL	21.61					
SSD	21.27					
SP	10.60					
CILD	10.60					
CILM	6.89					
RLL3	1.70					
TR_Mon	0.00					