



DUAL INDUCTION LOG

Company	Palomino Petroleum	Company	Palomino Petroleum
Well	Dorothy #1	Well	Dorothy #1
Field	Unice Northeast	Field	Unice Northeast
County	Ness	County	Ness
State	Kansas	State	Kansas
Location:	API # : 15 135 26043	Other Services	CDNL ML
Permanent Datum	SEC 10 TWP 16S RGE 26W	Elevation	
Log Measured From	1721' FSL & 434' FWL	K.B. 2633'	
Drilling Measured From	KB 5' AGL	D.F. 2632'	
		G.L. 2628'	
Date	2-26-19		
Run Number	One		
Depth Driller	4645'		
Depth Logger	4652'		
Bottom Logged Interval	4650'		
Top Log Interval	200'		
Casing Driller	8 5/8" @ 218'		
Casing Logger	218'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.35/47		
pH / Fluid Loss	9.0/8.4		
Source of Sample	Pit	Chlorides 5200 PPM	
Rm @ Meas. Temp	1.2@68degf		
Rmf @ Meas. Temp	0.9@68degf		
Rmc @ Meas. Temp	1.44@68degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.74@110degf		
Time Circulation Stopped	2.15 p.m		
Time Logger on Bottom	4.50 p.m		
Maximum Recorded Temperature	110degf		
Equipment Number	T-605		
Location	Hays, KS		
Recorded By	C. Patterson		
Witnessed By	Mr. Andrew Stenzel		

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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

Utica, KS, West Side of Utica D RD(Jackson Ave.),
North On D RD (Jackson Ave.) 3 mi. to 290 RD.,
Then West on 290 RD. for 1 mi. to C RD.,
South Into Location

Thanks for using Gemini Wireline LLC
785-625-1182

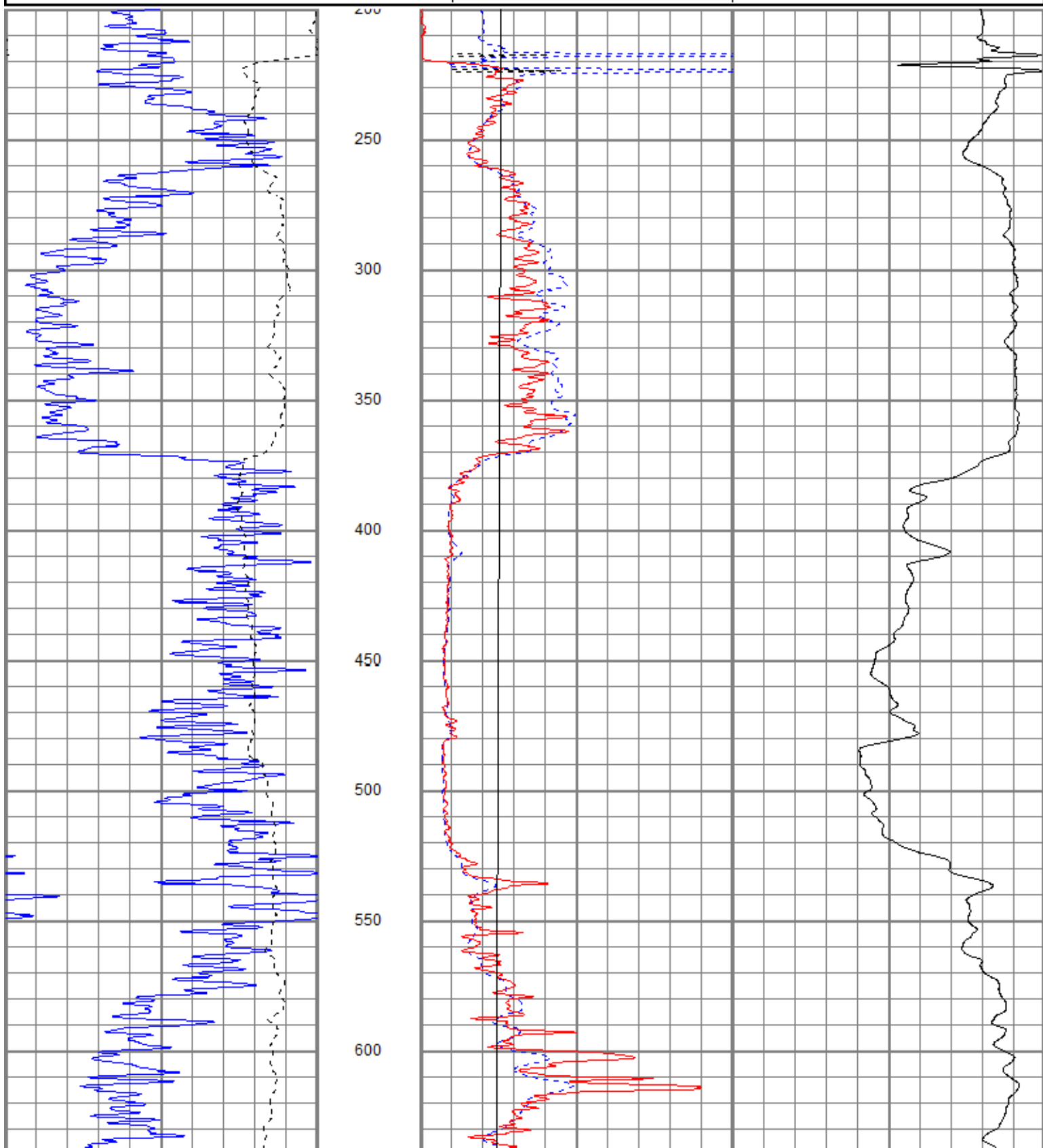


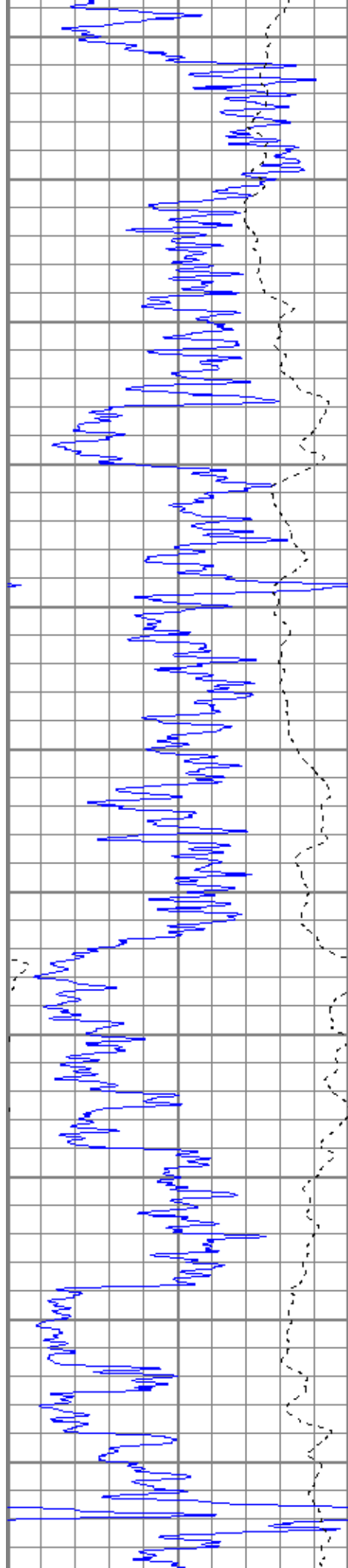
MAIN PASS

Database File ppdorothy#1oh.db
 Dataset Pathname pass2
 Presentation Format kdi11nn
 Dataset Creation Tue Feb 26 17:08:02 2019
 Charted by Depth in Feet scaled 1:600

0	GR (GAPI)	150
-100	SP (mV)	100

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





650

700

750

800

850

900

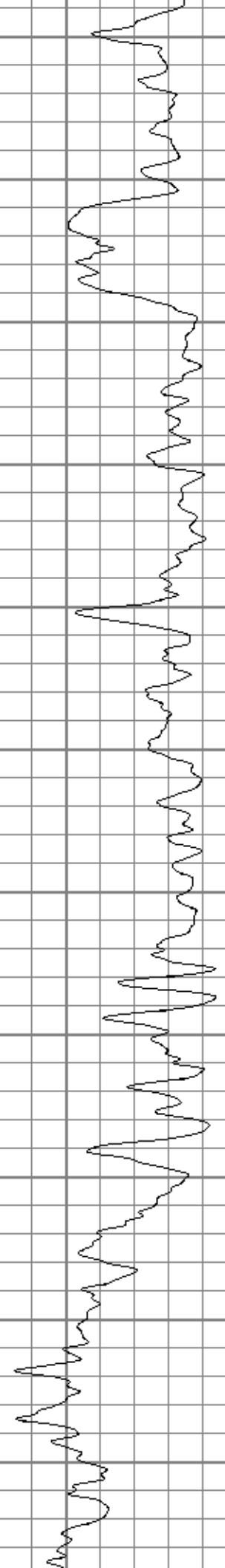
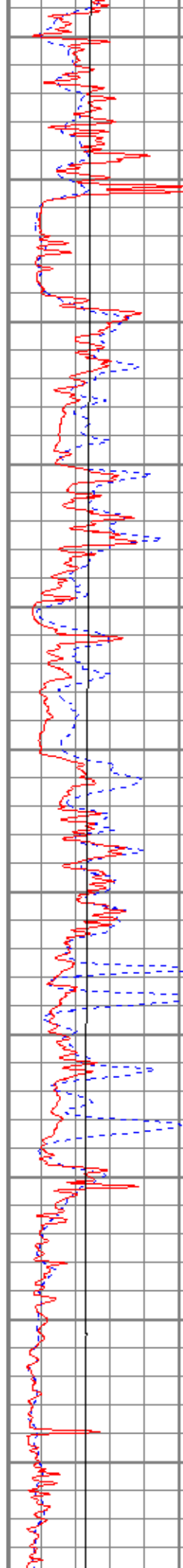
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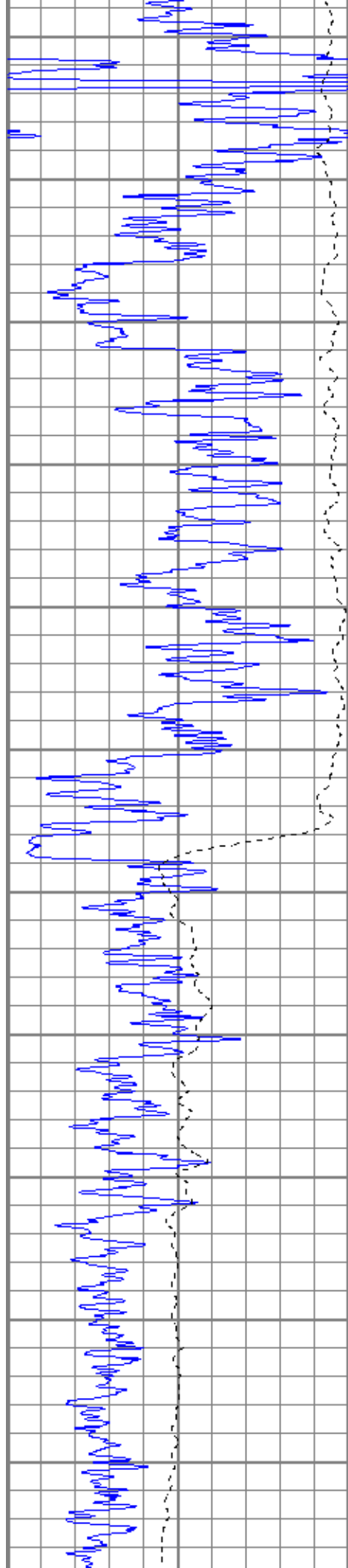
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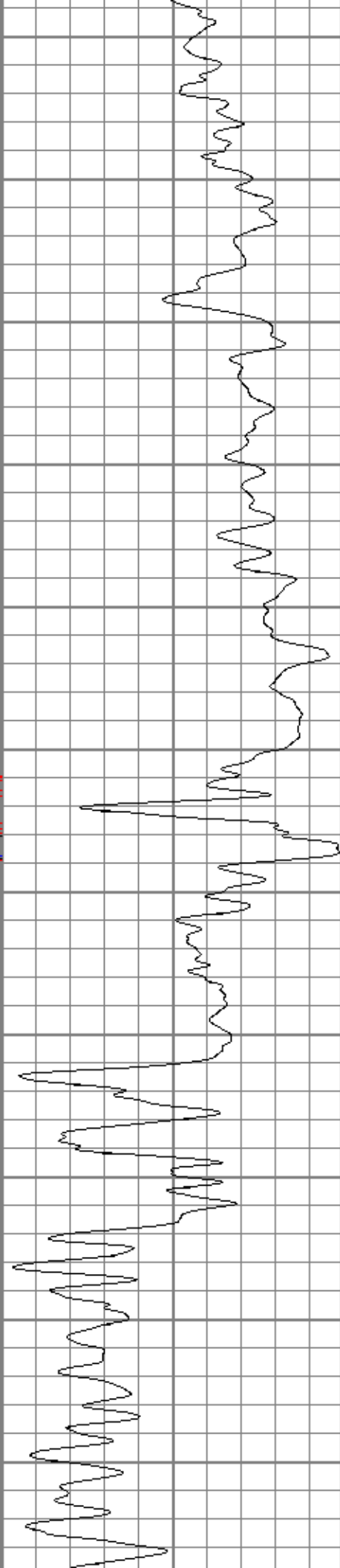
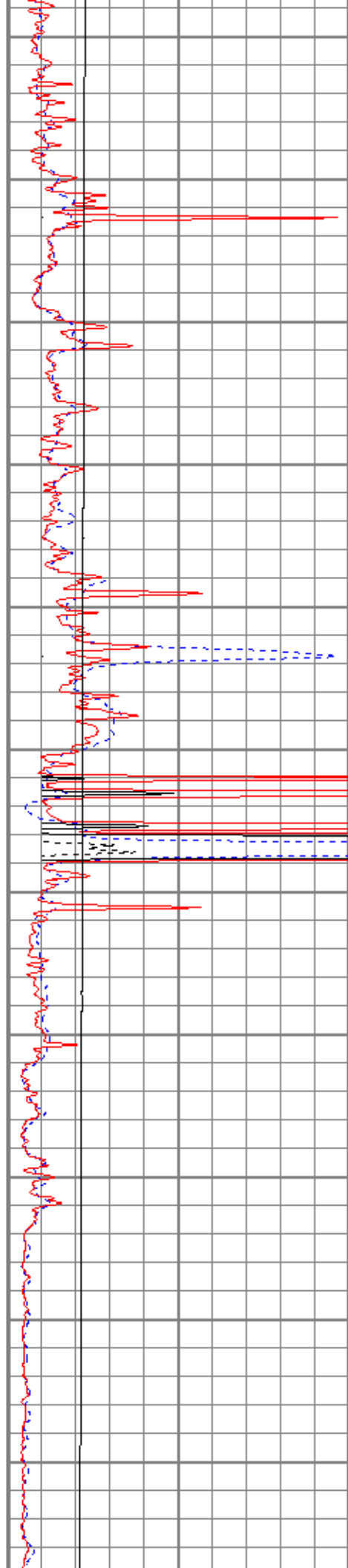
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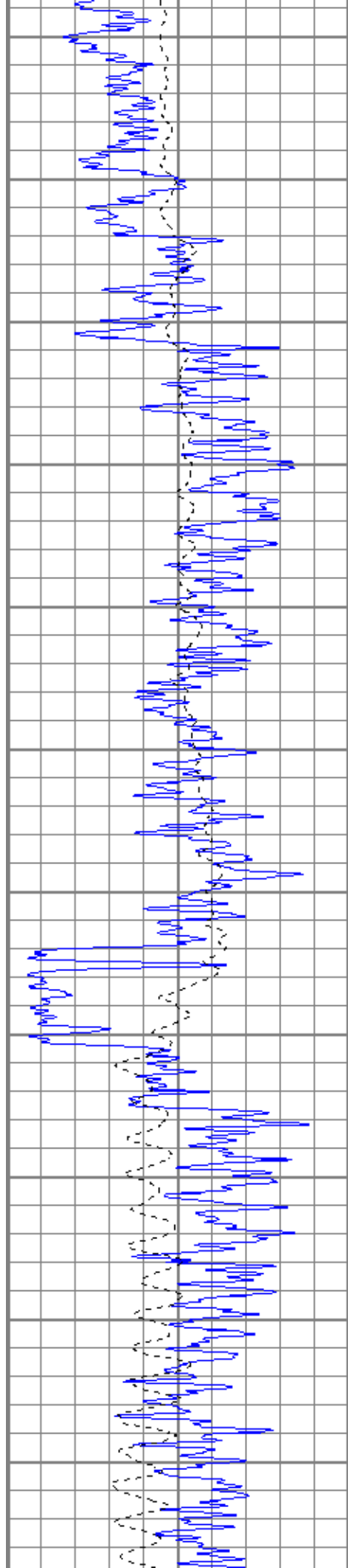
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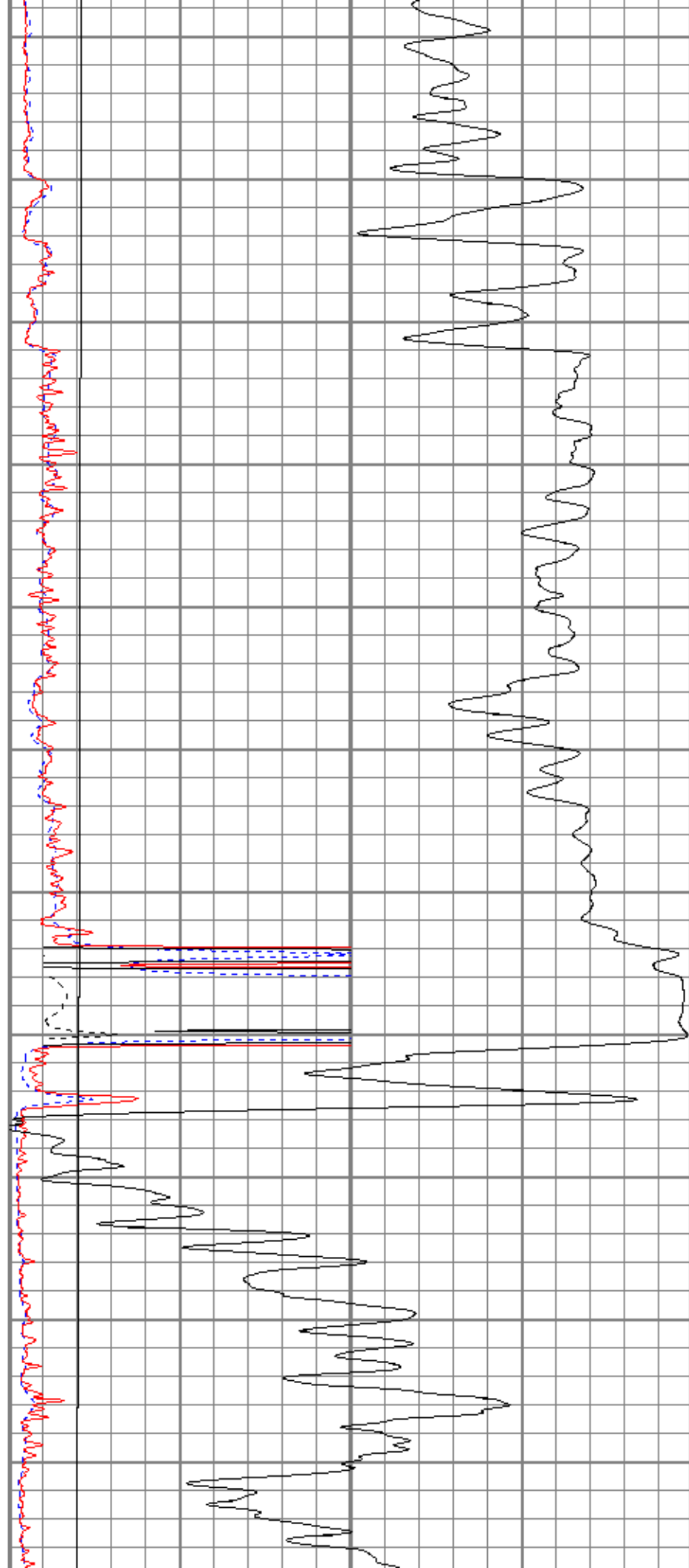


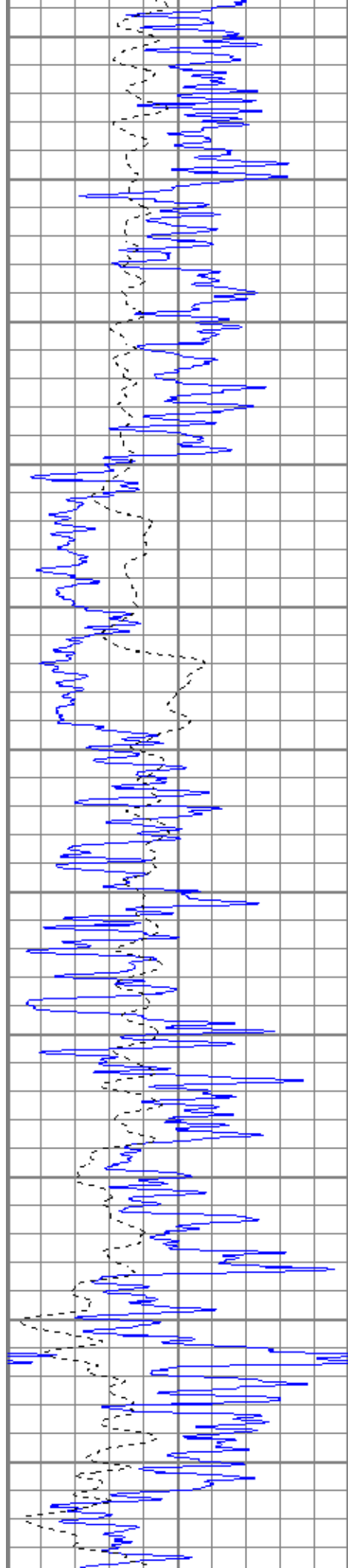
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700





1750
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250





2300

2350

2400

2450

2500

2550

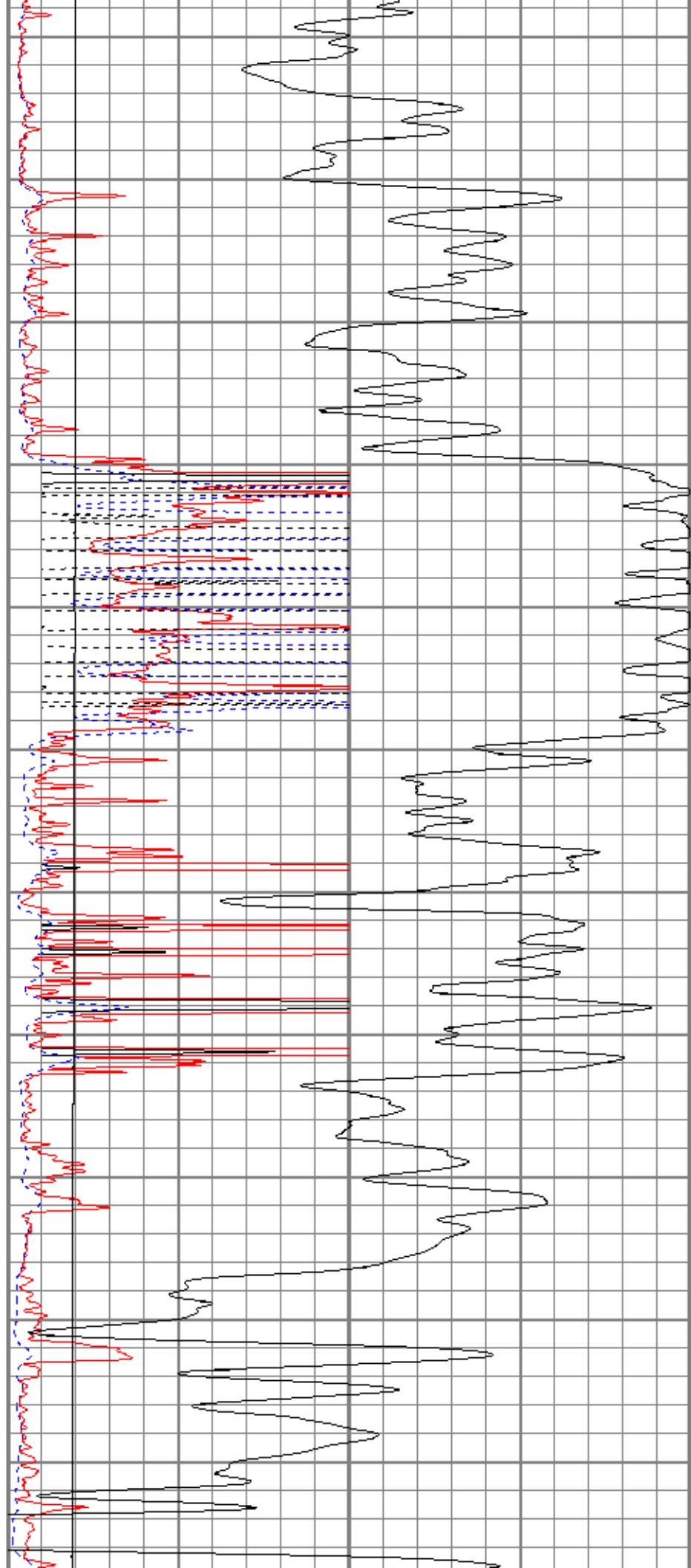
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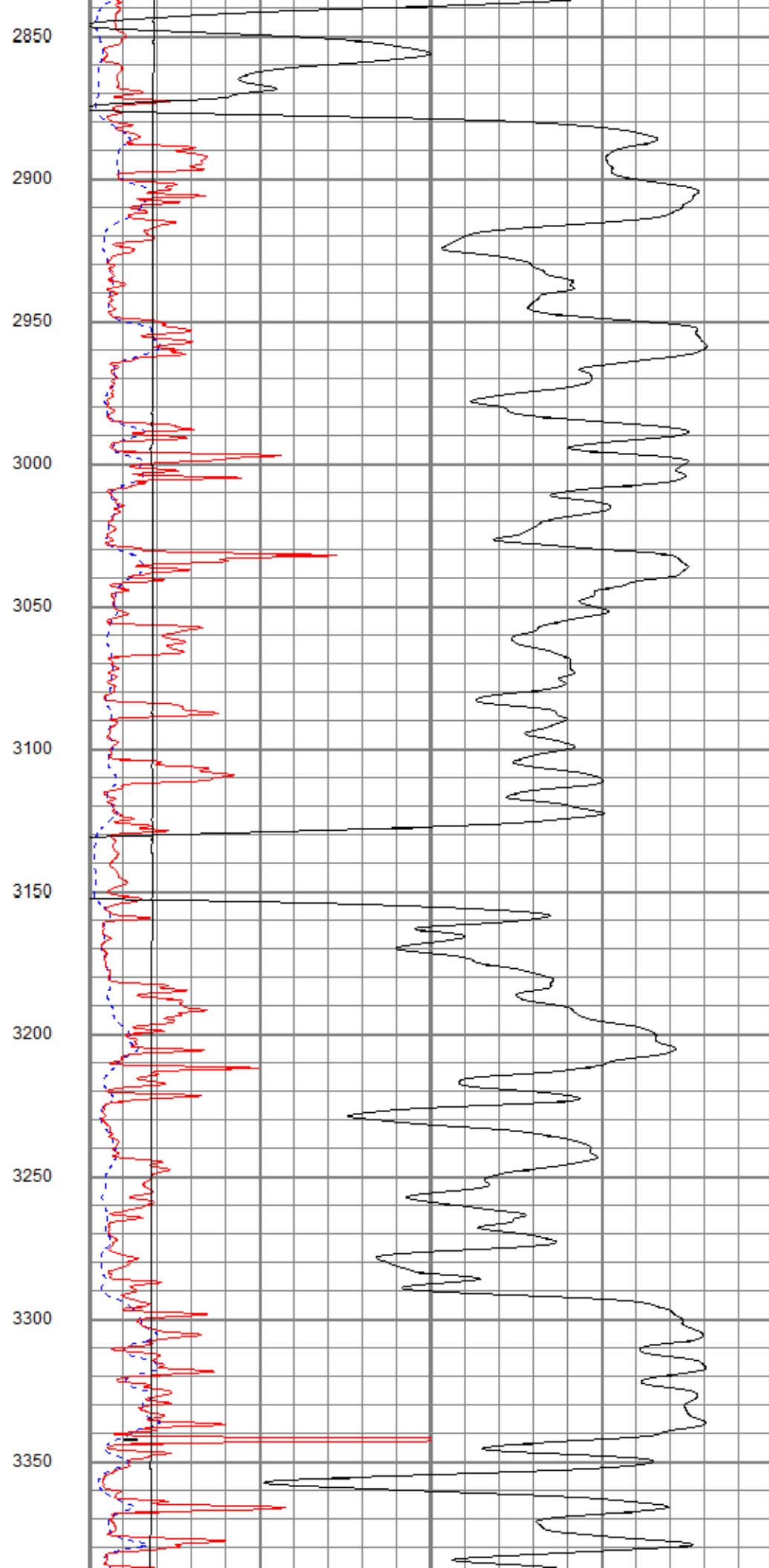
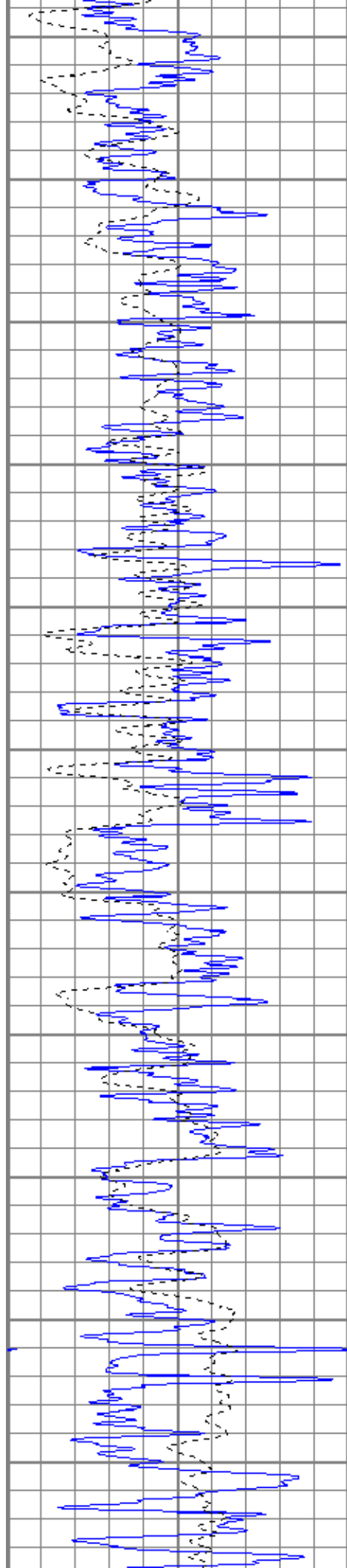
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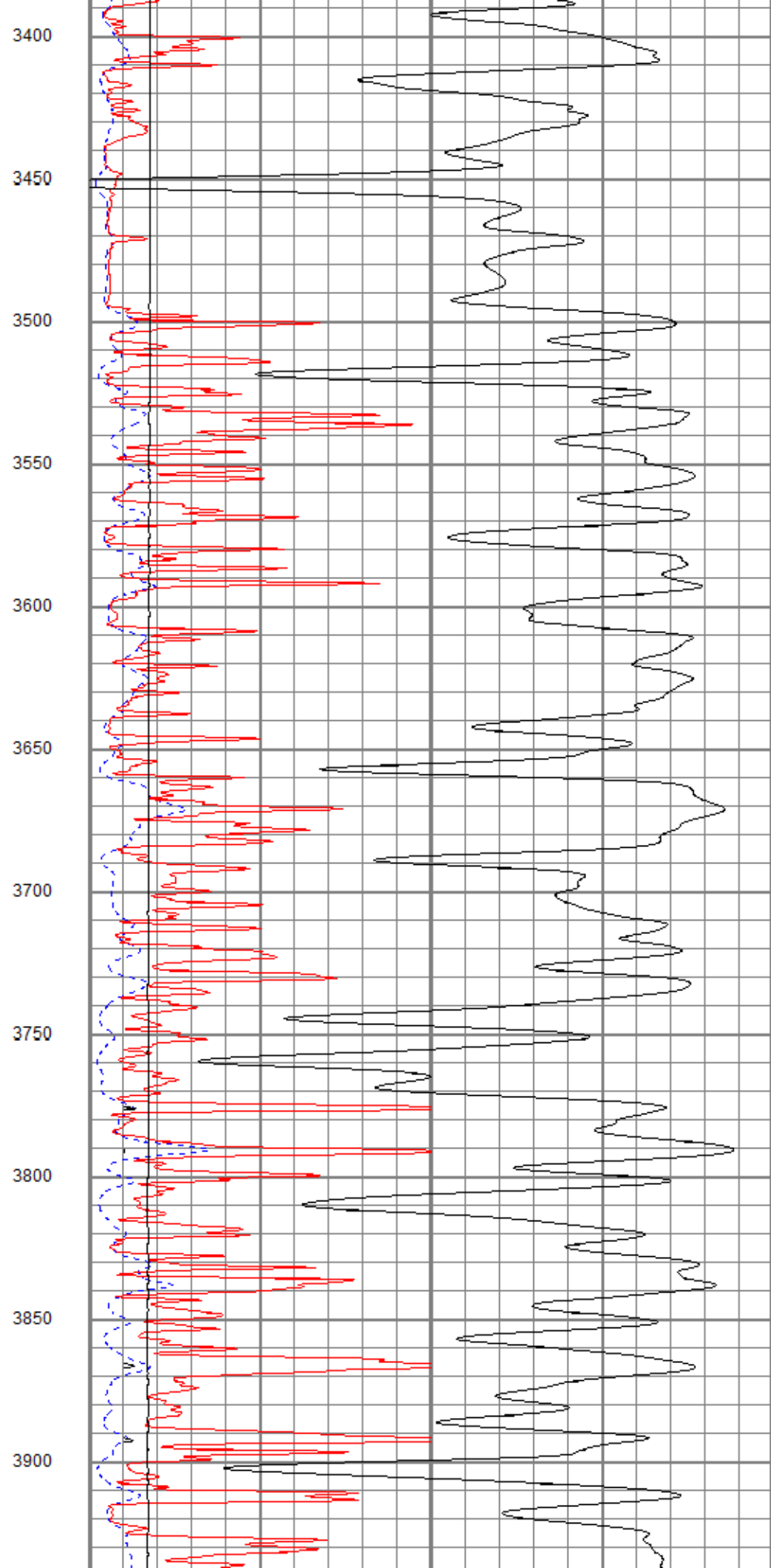
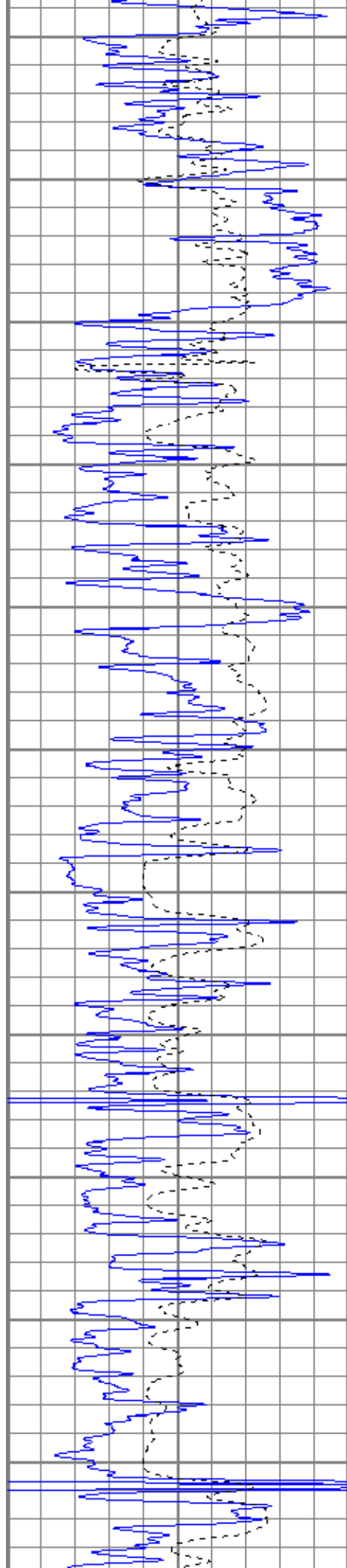
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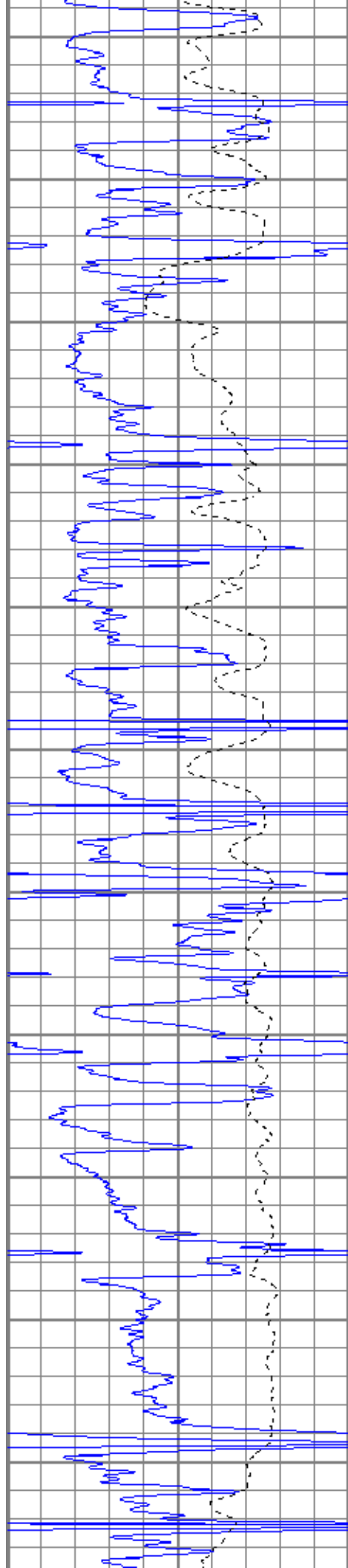
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3950

4000

4050

4100

4150

4200

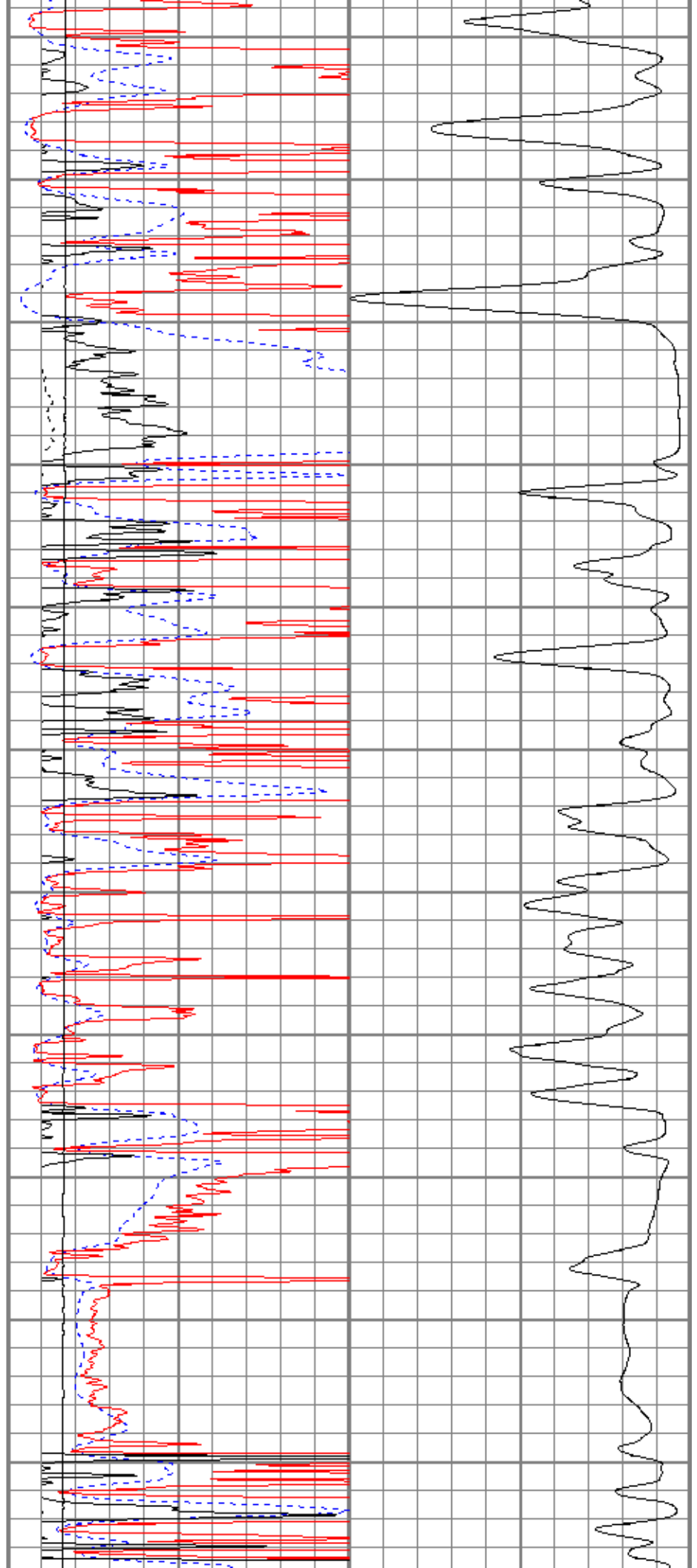
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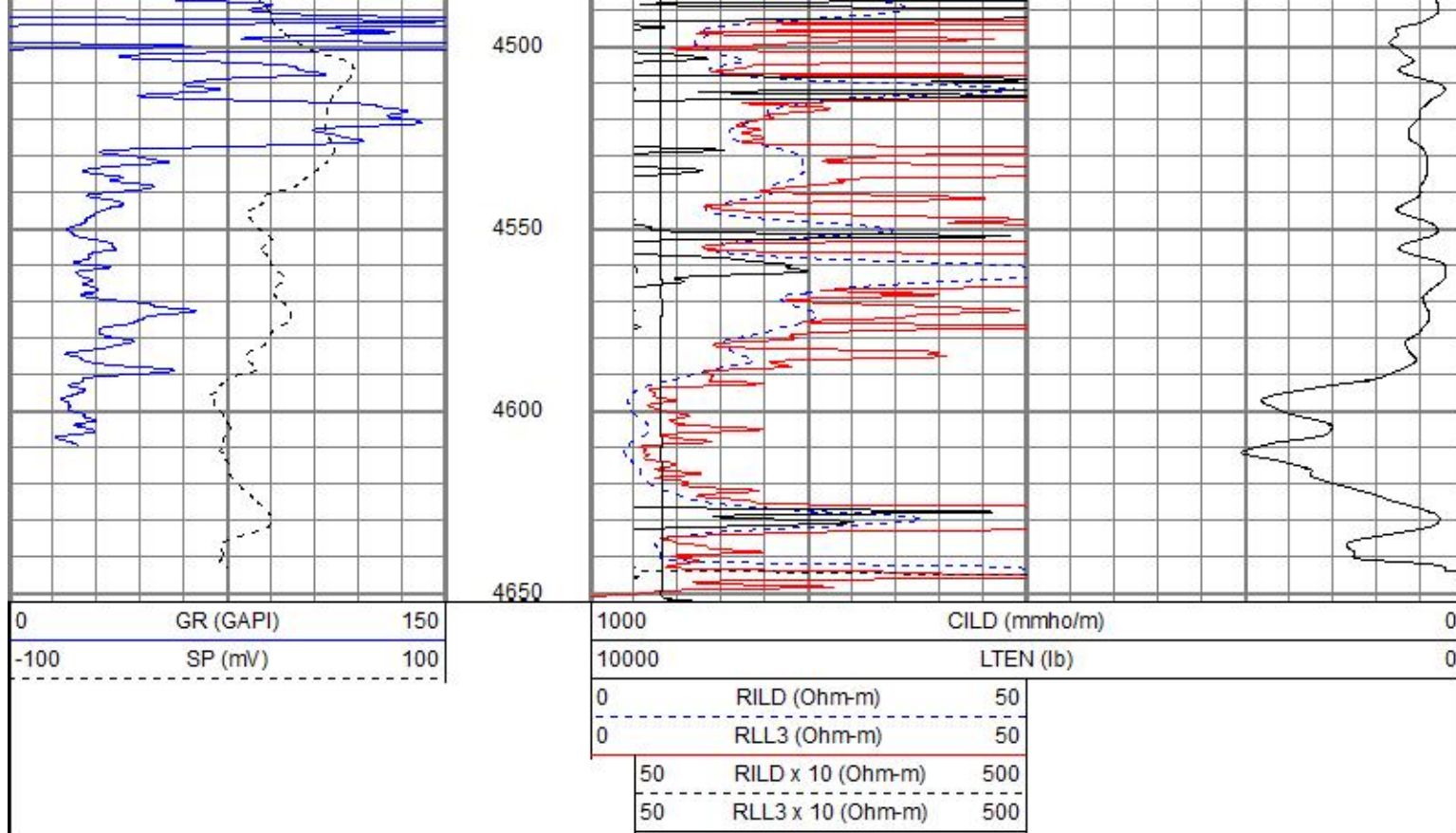
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4400

4450

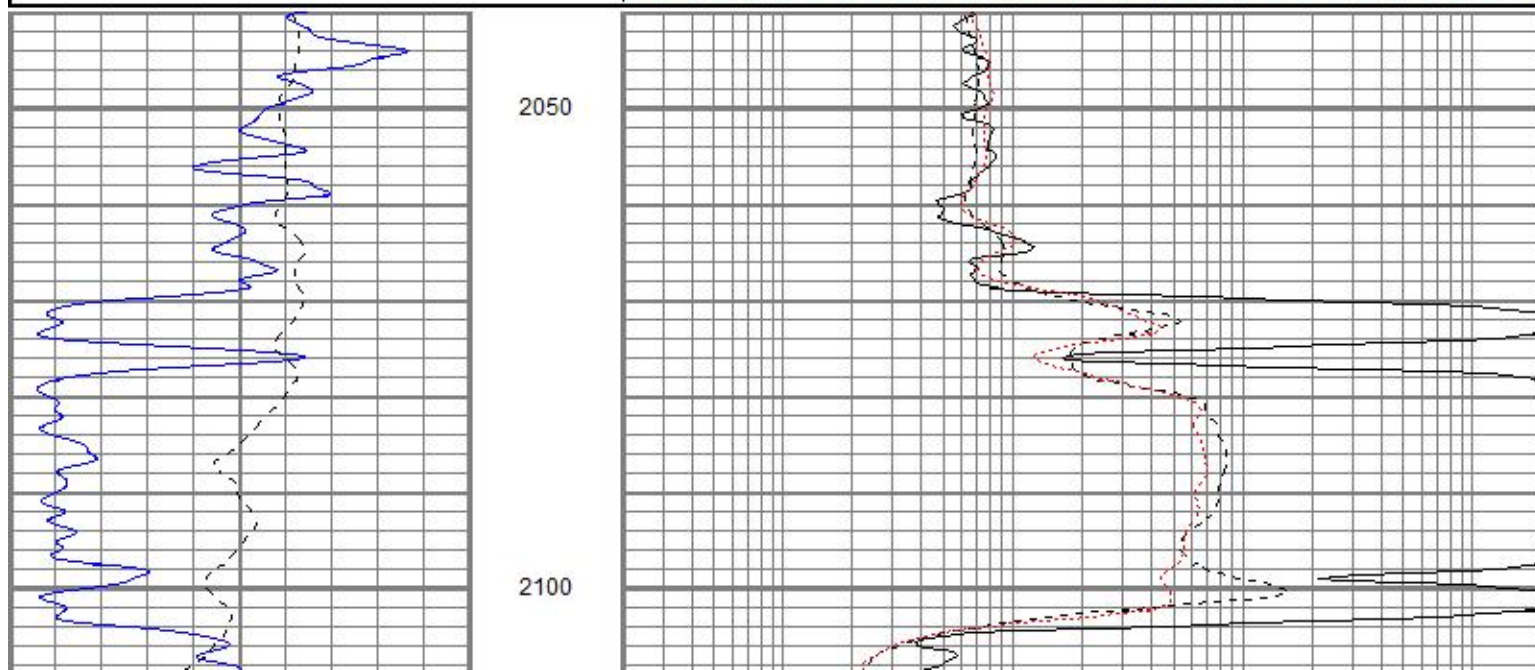


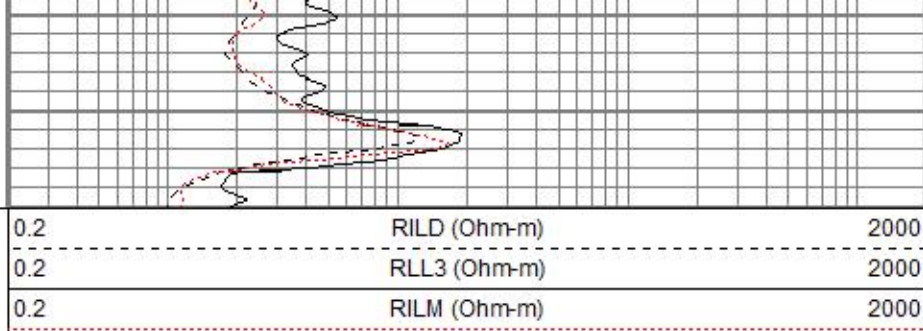
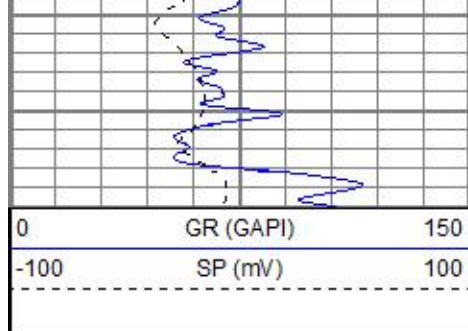


MAIN PASS

Database File: ppdorothy#1oh.db
 Dataset Pathname: pass2
 Presentation Format: kdil
 Dataset Creation: Tue Feb 26 17:08:02 2019
 Charted by: Depth in Feet scaled 1:240

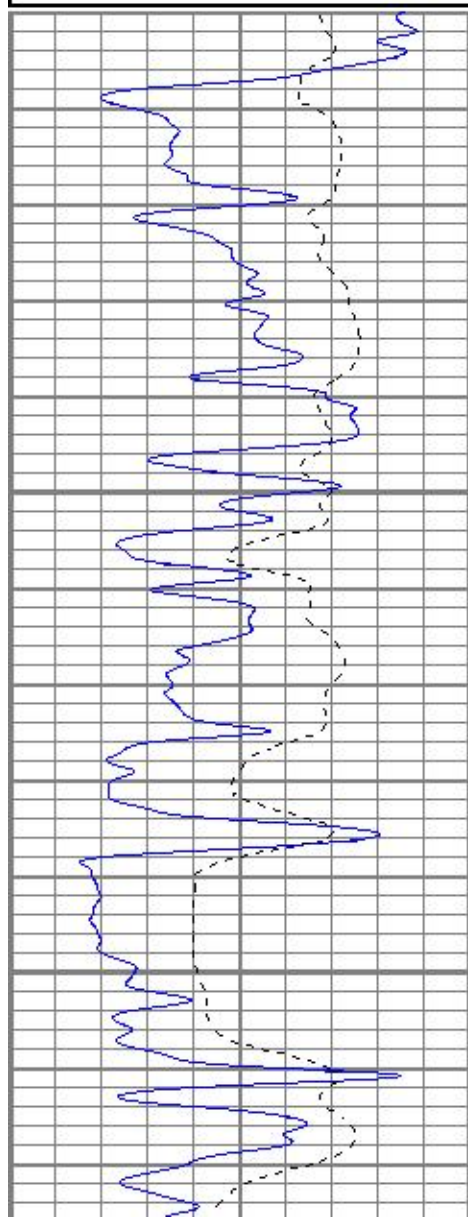
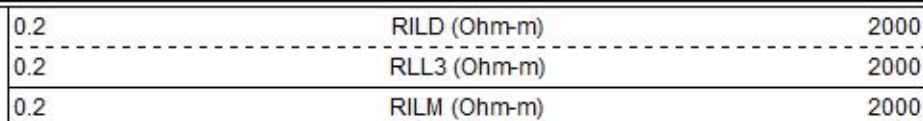
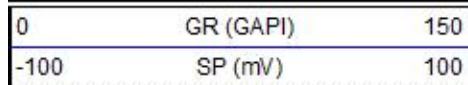
0	GR (GAPI)	150	0.2	RILD (Ohm-m)	2000
-100	SP (mV)	100	0.2	RLL3 (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000





MAIN PASS

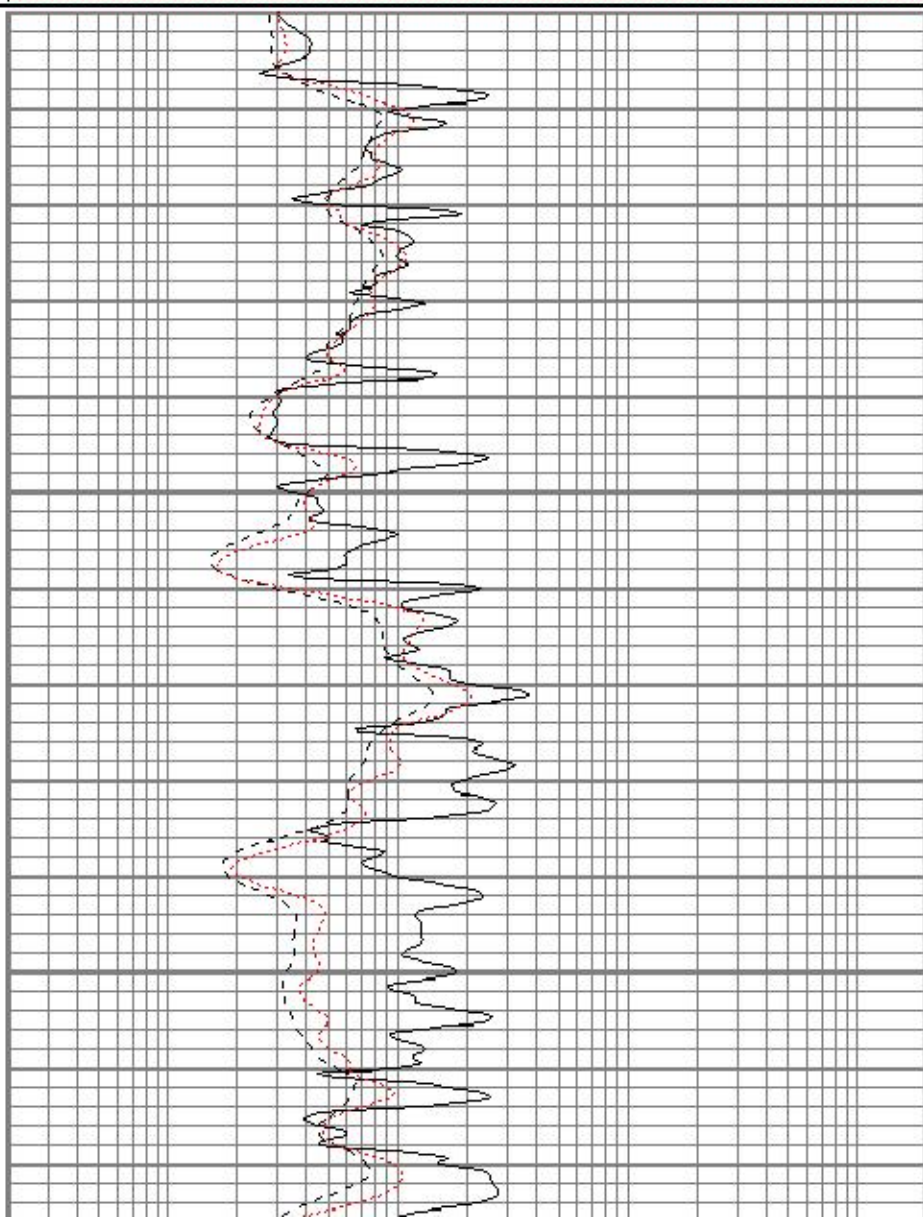
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Dataset Pathname pass2
Presentation Format kdil
Dataset Creation Tue Feb 26 17:08:02 2019
Charted by Depth in Feet scaled 1:240

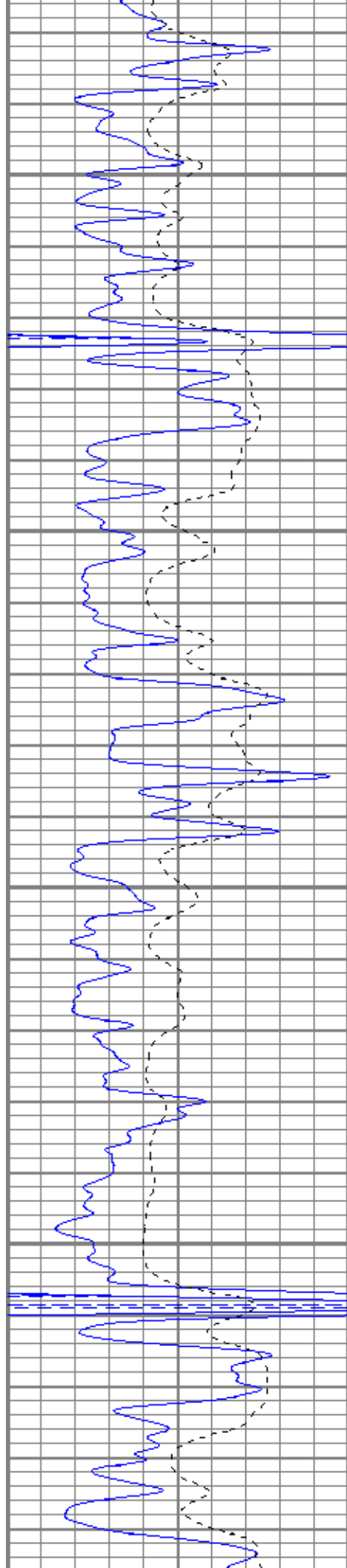


3500

3650

3700



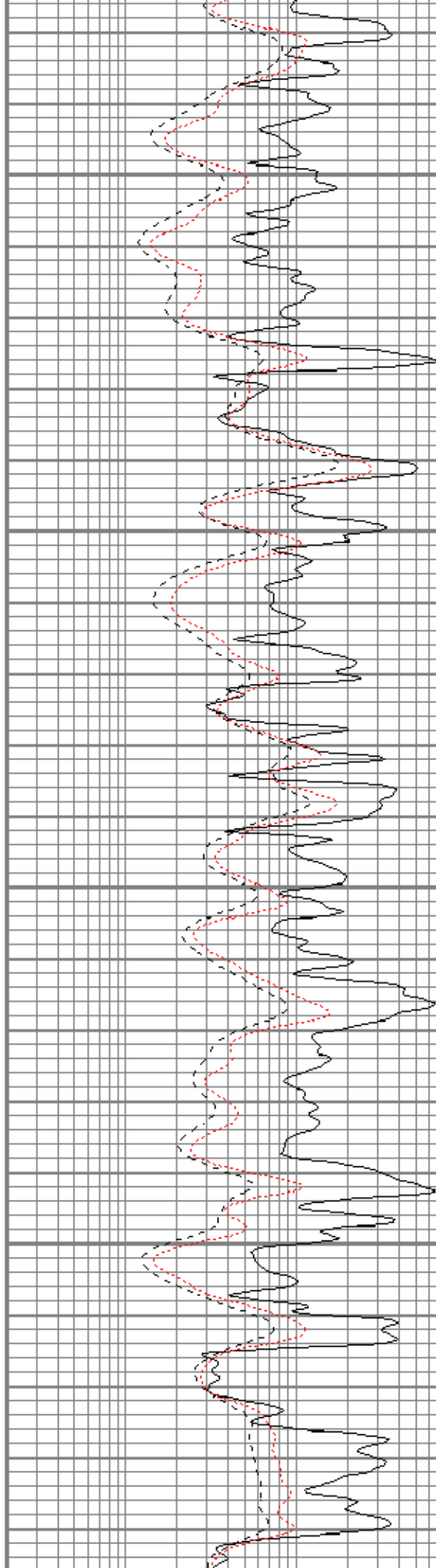


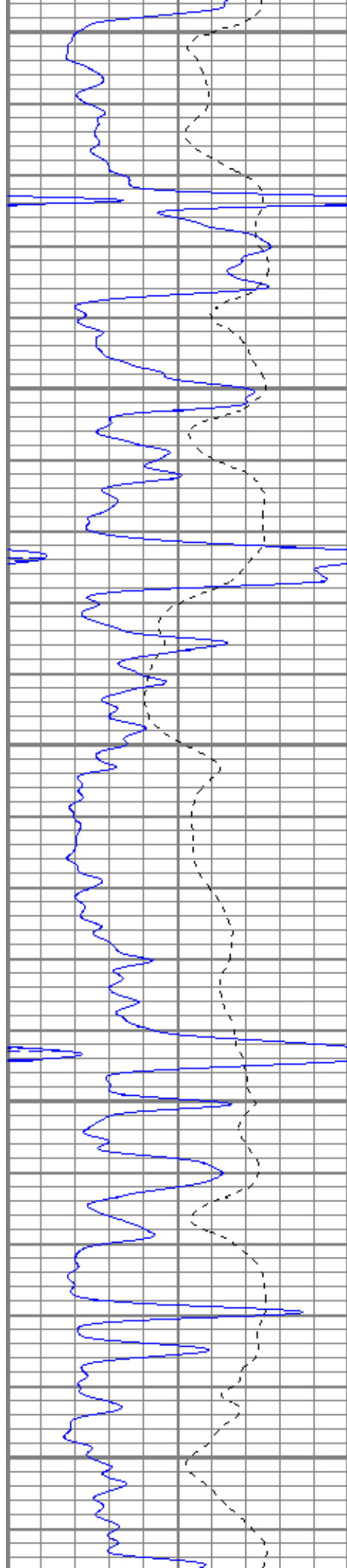
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3800

3850

3900





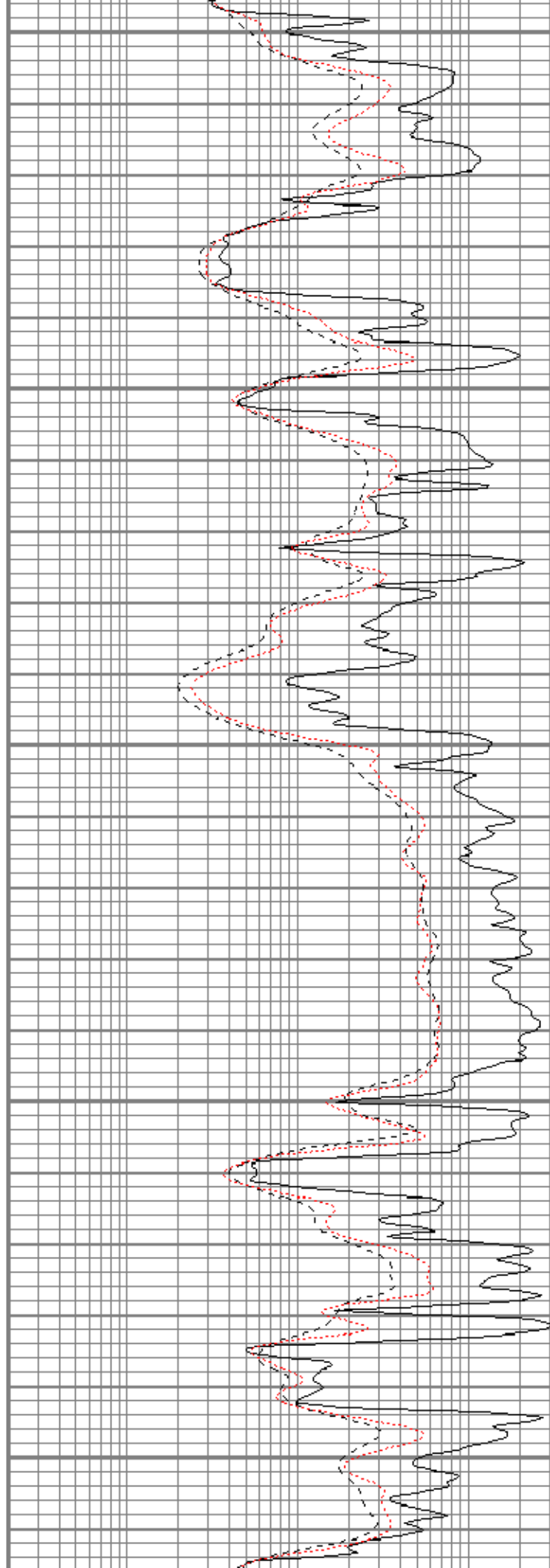
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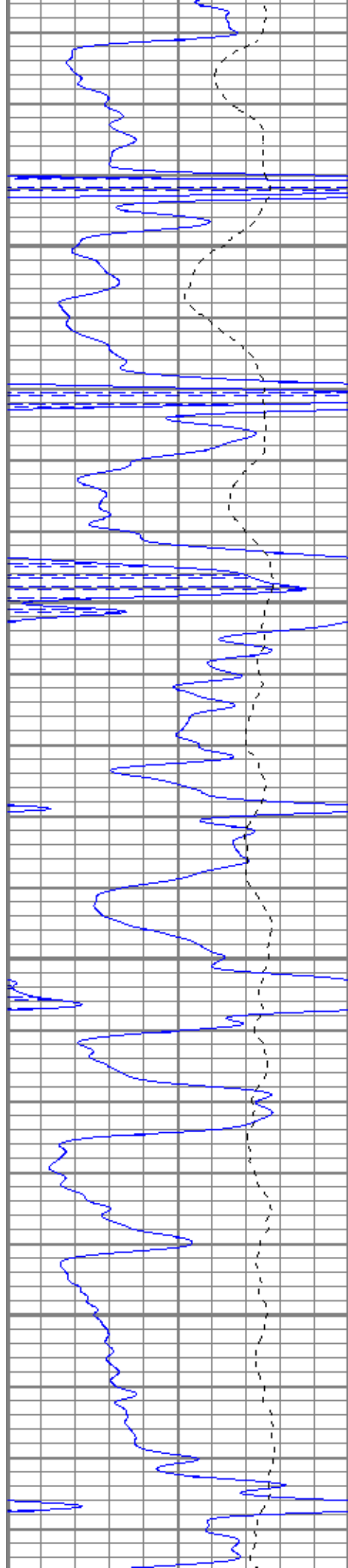
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4050

4100

4150



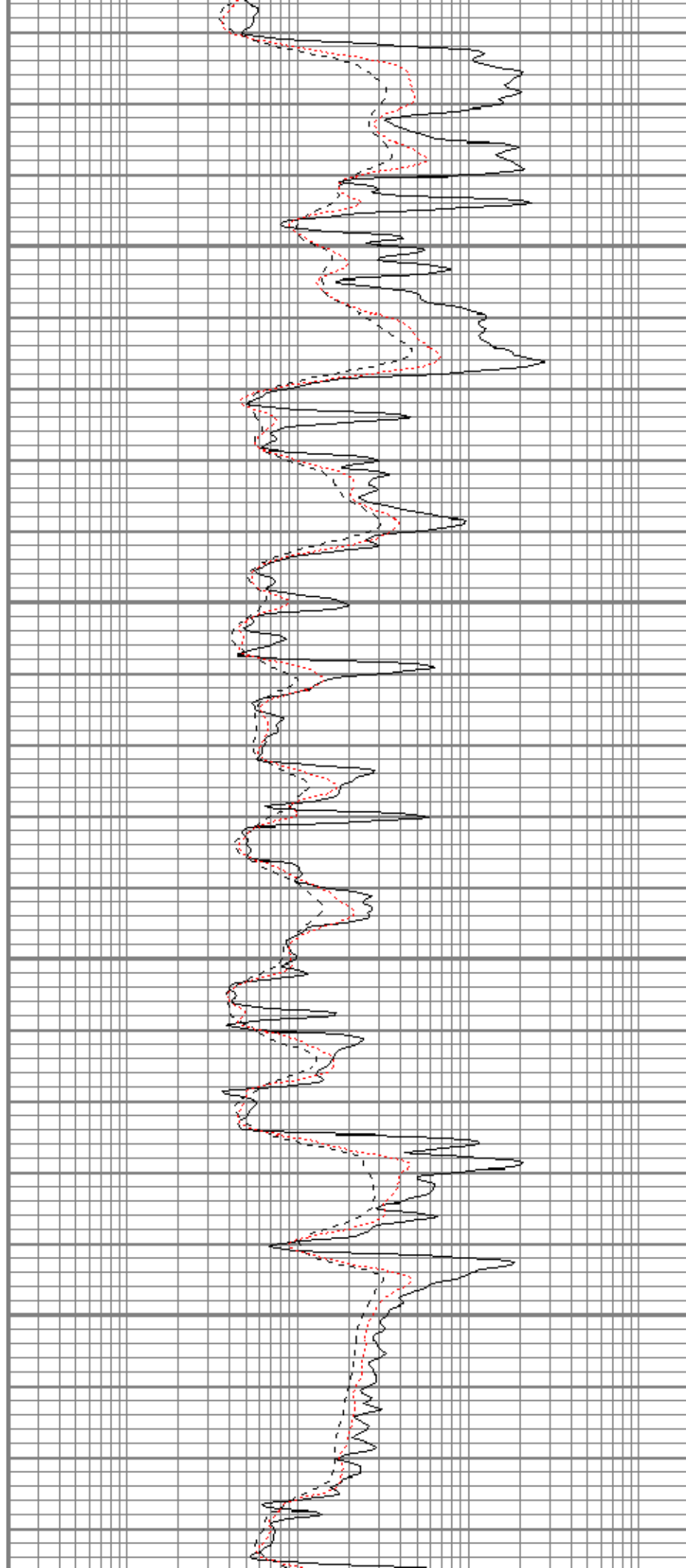


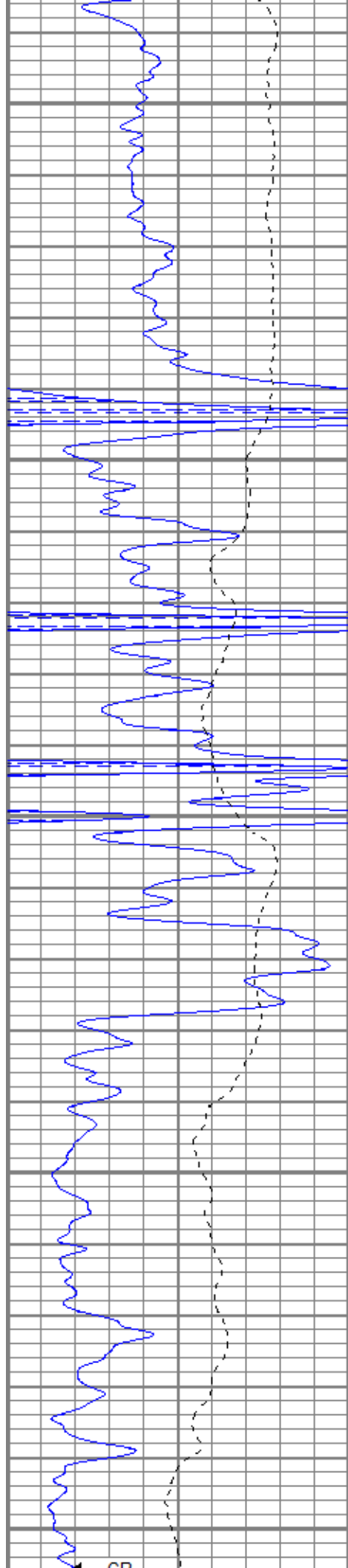
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4300

4350





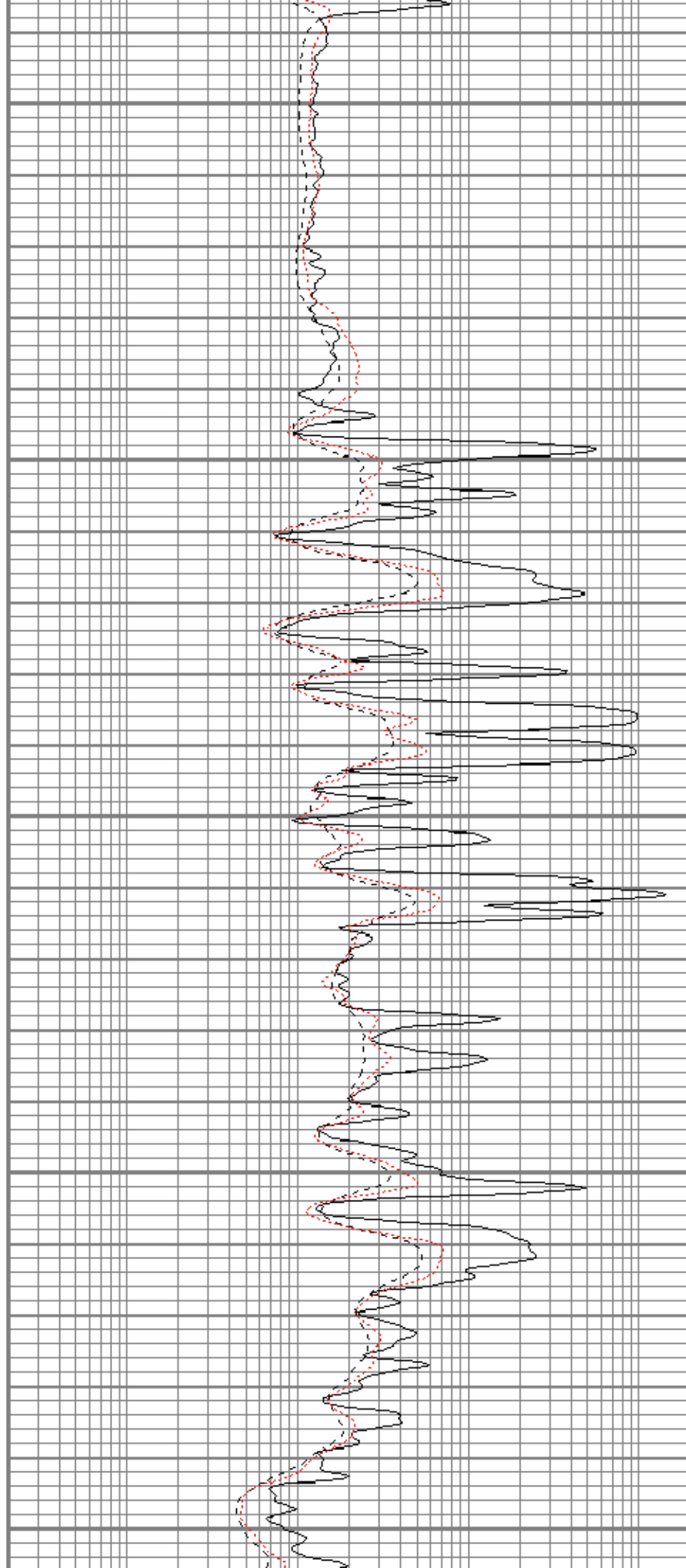
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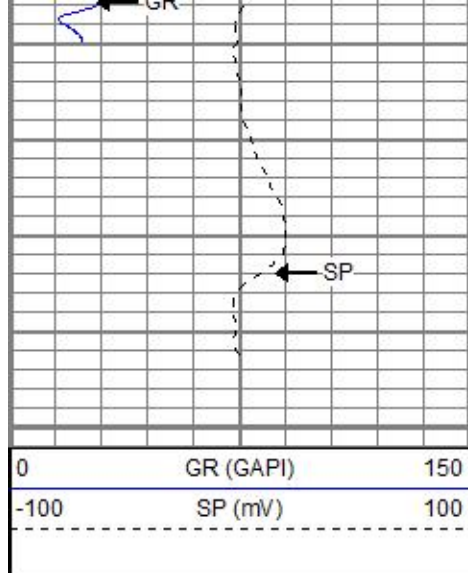
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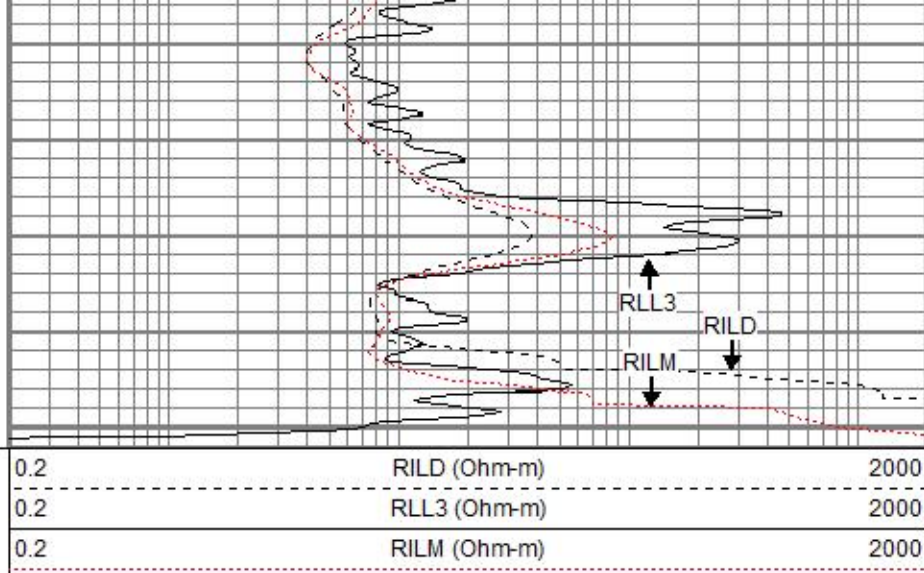
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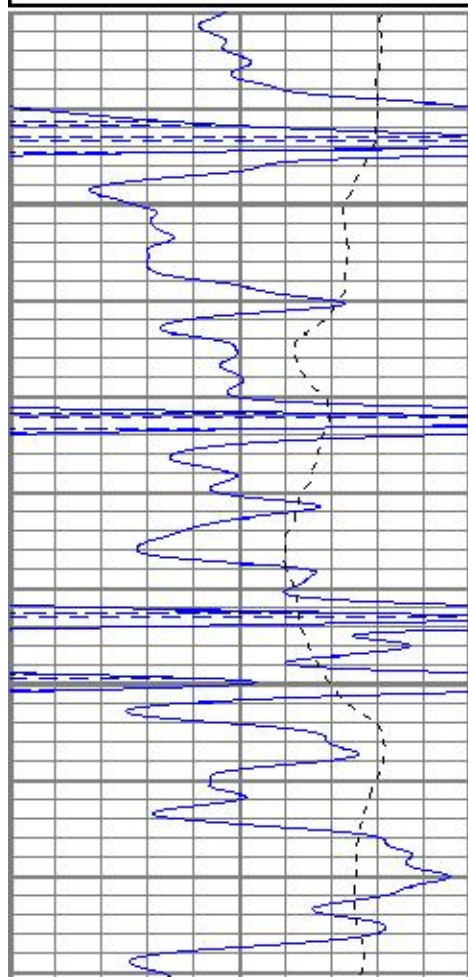
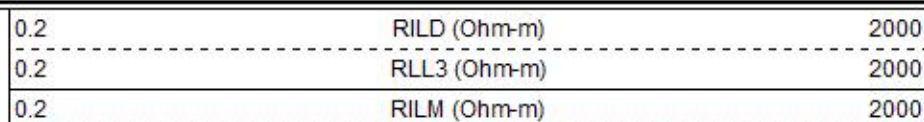
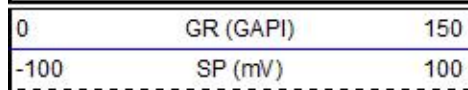


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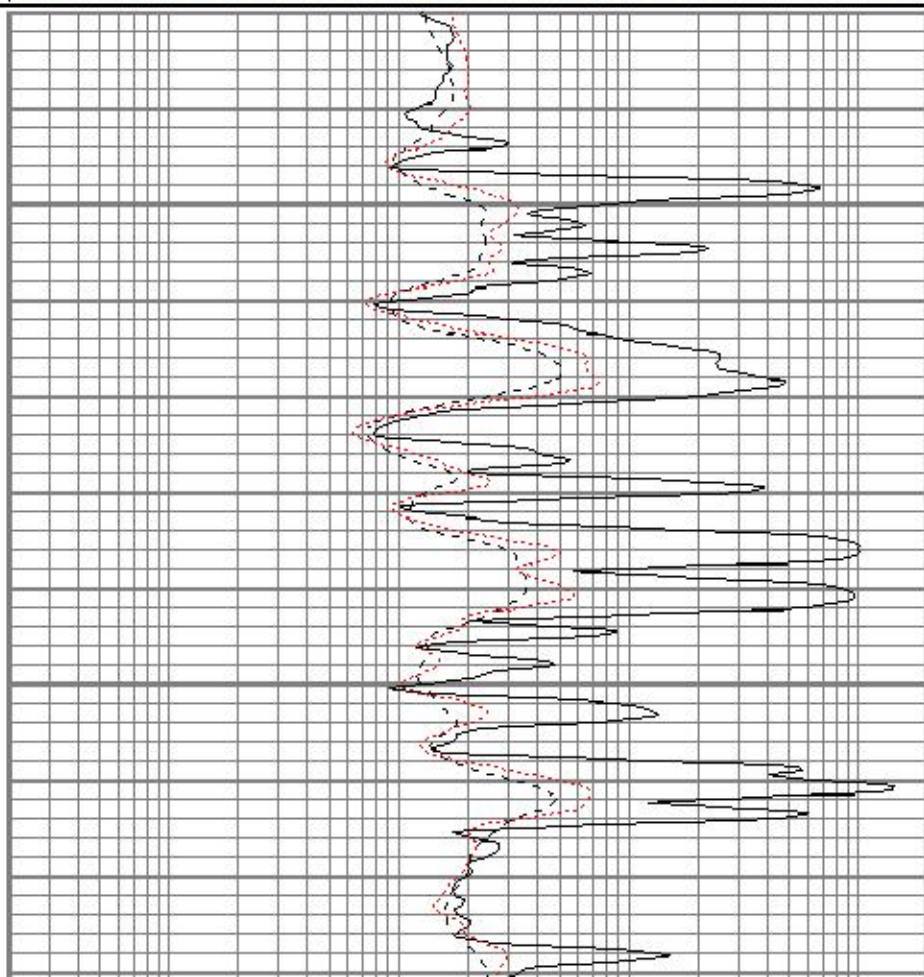
REPEAT SECTION

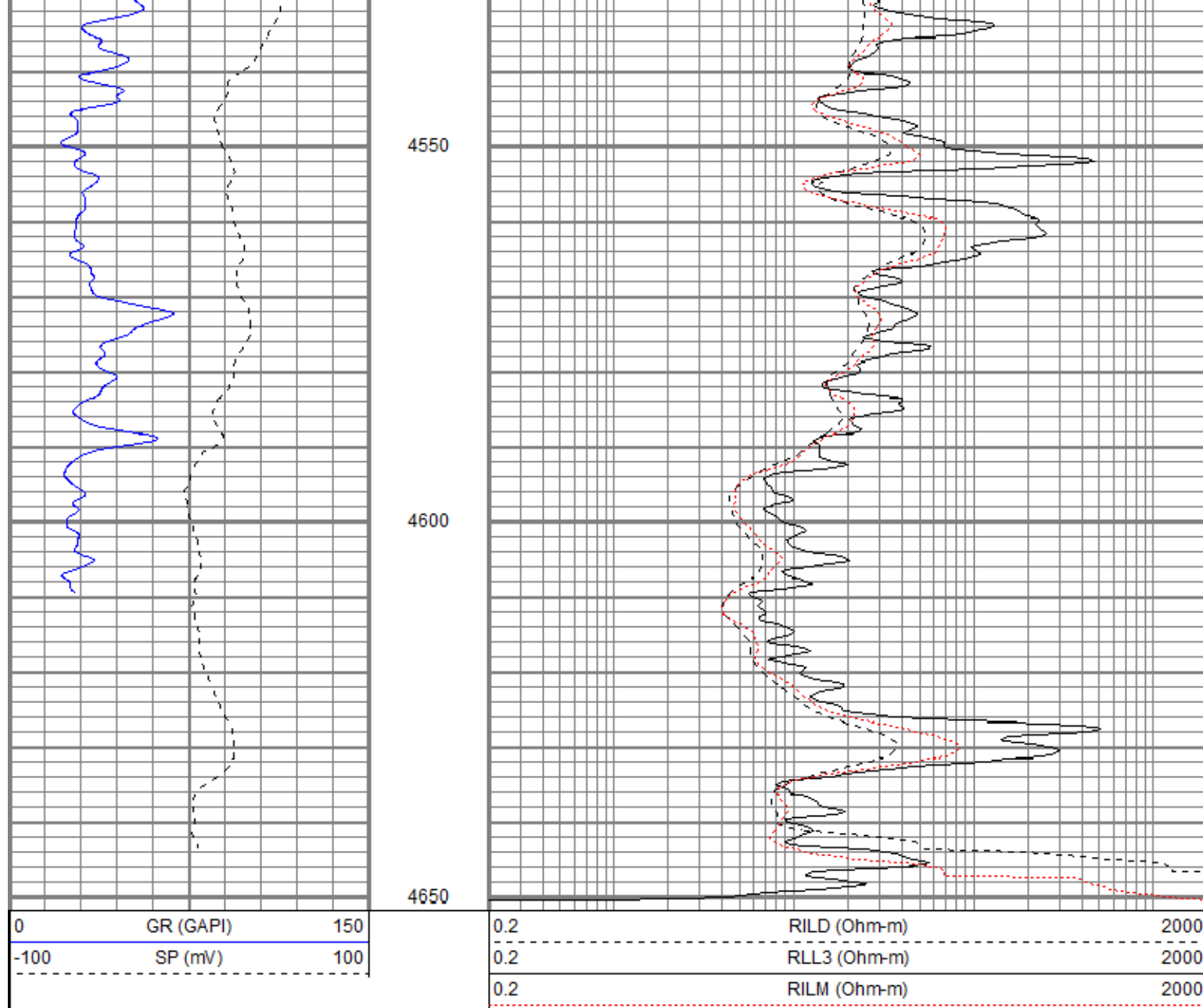
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 Dataset Pathname pass1.1
 Presentation Format kdil
 Dataset Creation Tue Feb 26 17:59:30 2019
 Charted by Depth in Feet scaled 1:240



4450

4500





Calibration Report								
Database File	ppdorothy#1oh.db							
Dataset Pathname	pass2							
Dataset Creation	Tue Feb 26 17:08:02 2019							
Dual Induction Calibration Report								
Serial-Model:			5375-G					
Surface Cal Performed:			Tue Jan 22 08:45:42 2019					
Downhole Cal Performed:			Tue Jan 22 08:46:17 2019					
After Survey Verification Performed:			Tue Jan 22 08:46:17 2019					
Surface Calibration								
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.642	V	0.000	350.000	mmho/m	547.166	-1.056
Medium	0.004	0.724	V	0.000	400.000	mmho/m	555.498	-2.413
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.642	V	0.000	350.000	mmho/m	547.349	-1.170
Medium	0.004	0.725	V	0.000	550.000	mmho/m	763.497	-3.249

Downhole Calibration								
Readings			References				Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.089	349.955	mmho/m	0.113	349.997	mmho/m	1.000	0.024
Medium	-0.171	400.157	mmho/m	-0.049	400.115	mmho/m	1.000	0.122
Shallow	2.429	0.011	V	500.000	2.000	Ohm-m	205.929	-0.282

After Survey Verification								
Readings			Targets				Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.089	349.955	mmho/m	1.000	0.024
Medium	0.000	0.000	mmho/m	-0.171	400.157	mmho/m	1.000	0.122
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

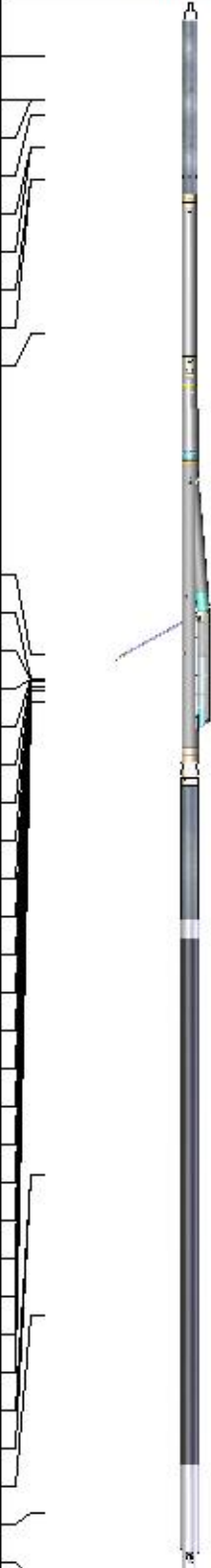
Neutron Calibration Report								
Serial Number:			AD5139					
Tool Model:			ADMY5139					
Performed:			(Not Performed)					
Calibrator Value:			1	NAPI				
Calibrator Reading:			1	cps				
Sensitivity:			1	NAPI/cps				

Temperature Calibration Report					
Serial Number:	WithMC				
Tool Model:	WMC				
Performed:	Wed Dec 05 04:54:01 2018				
	Reference		Reading		
Low Reference:	0.00	degF	0.00	degF	
High Reference:	1.00	degF	1.00	degF	
Gain:	1.00				
Offset:	0.00				
Delta Spacing	1				

Inclinometer Calibration Report								
Performed:			Wed Dec 05 04:53:48 2018					
			Low Read.	High Read.	Low Ref.	High Ref.		
X Accelerometer			205.00	1843.00	-1.00	1.00	gee	
Y Accelerometer			205.00	1843.00	-1.00	1.00	gee	
Z Accelerometer							gee	

Gamma Ray Calibration Report								
Serial Number:			WithMC					
Tool Model:			WMC					
Performed:			Wed Dec 05 04:58:30 2018					
Calibrator Value:			1.0	GAPI				
Background Reading:			0.0	cps				

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 1.0000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.07		CHD-STD	0.50	1.69	1.00
ACCY	38.91		ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
ACCX	38.91					
SSTAT	38.49					
PSTAT	37.66					
ASTAT	37.66		NEU-ADMY5139 (AD5139) Admyr NEU DIGITAL	5.65	3.50	50.00
GRD	36.82					
TEMP	36.82					
NEU	32.76					
LStat	24.30		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
LS8	23.64					
LS7	23.64					
LS6	23.64					
LS5	23.64					
LS4	23.64					
LS3	23.64					
LS2	23.64					
LS1	23.64					
LSV	23.64		DIL-G (5375) Gearhart	21.47	4.00	345.00
LSD	23.62					
SSV	23.43					
SS8	23.43					
SS7	23.43					
SS6	23.43					
SS5	23.43					
SS4	23.43					
SS3	23.43					
SS2	23.43					
SS1	23.43					
DCAL	23.37					
SSD	23.04					
SP	10.60					
CILD	10.60					
CILM	6.89					
RLL3	1.70					
TR_Mon	0.00					

Dataset: ppdorothy#1oh.db: field/well/run1/pass2
 Total length: 41.49 ft
 Total weight: 756.00 lb
 O.D.: 4.00 in