



DUAL INDUCTION LOG

Company Koron Investments Inc.

Well Baugher A#4-29

Field Ellis NW

County Trego State Kansas

Location: API #: 15 195 22983

1870' FNL & 2640' FWL

SEC 23 TWP 12S RGE 21W

Permanent Datum Ground Level Elevation 2313'
Log Measured From KB 8' AGL
Drilling Measured From KB

Other Services
CDNL
ML
Elevation
K.B. 2321'
D.F. 2320'
G.L. 2313'

Date 12-16-14

Run Number One

Depth Driller 4092'

Depth Logger 4088'

Bottom Logged Interval 4086'

Top Log Interval 200'

Casing Driller 221'

Casing Logger 221'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.4/53

pH / Fluid Loss 9.5/8.8

Source of Sample Pit

Rm @ Meas. Temp 1.1@55degf

Rmf @ Meas. Temp .88@55degf

Rmc @ Meas. Temp 1.4@55degf

Source of Rmf / Rmc Calculated

Rm @ BHT .53@115degf

Time Circulation Stopped 4:00 p.m.

Time Logger on Bottom 6:00 p.m.

Maximum Recorded Temperature 120degf

Equipment Number T173

Location Hays, KS

Recorded By L. Smith

Witnessed By Mr. Marc Downing

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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.

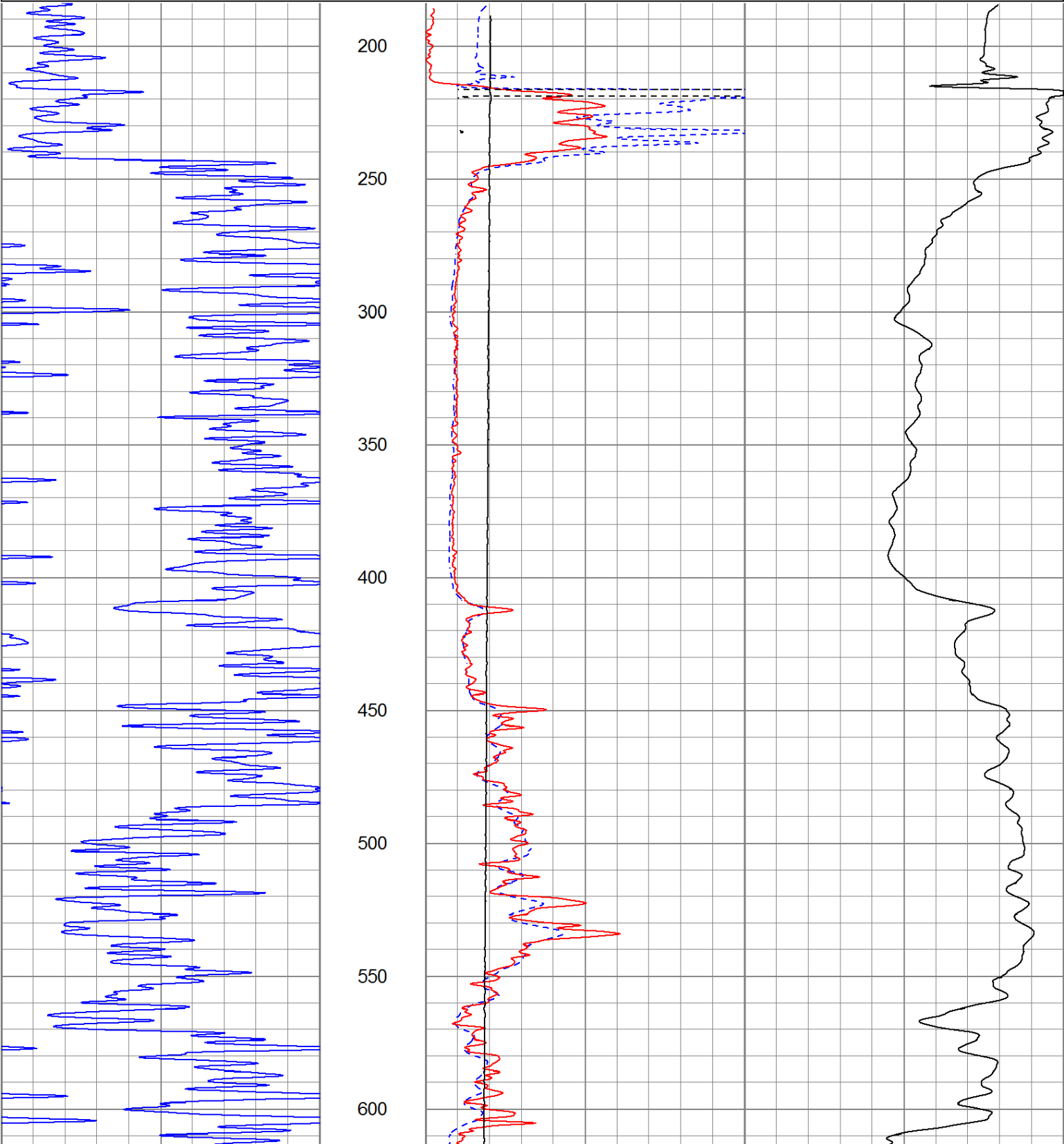
Comments

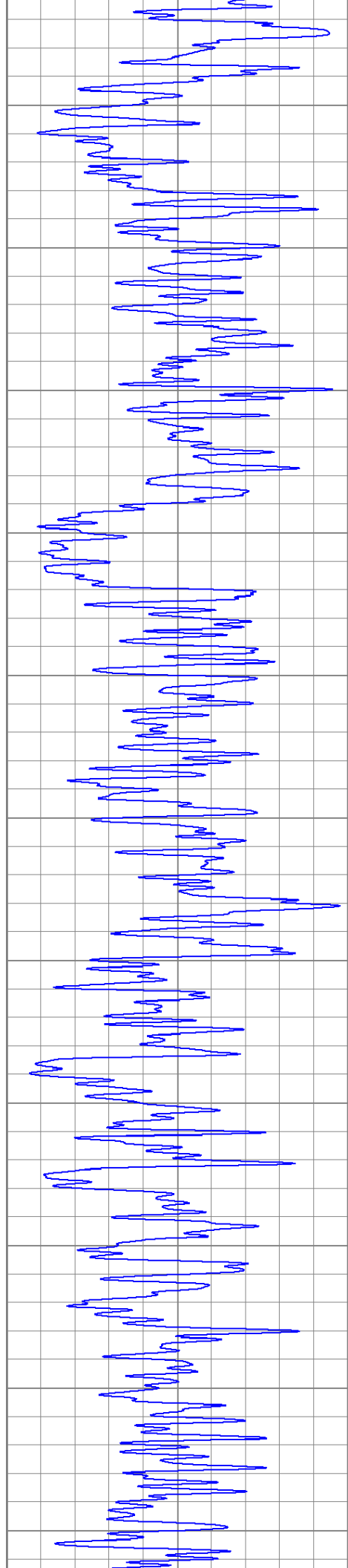


Main Pass

Database File	kibaughra#4-29oh.db
Dataset Pathname	pass4.2
Presentation Format	kdillinn
Dataset Creation	Tue Dec 16 20:33:00 2014
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			





650

700

750

800

850

900

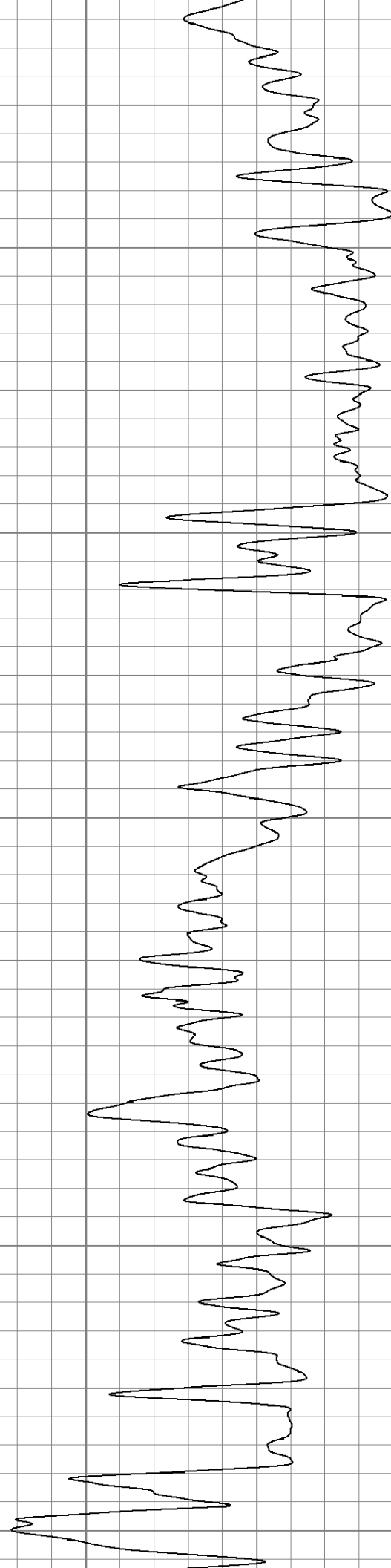
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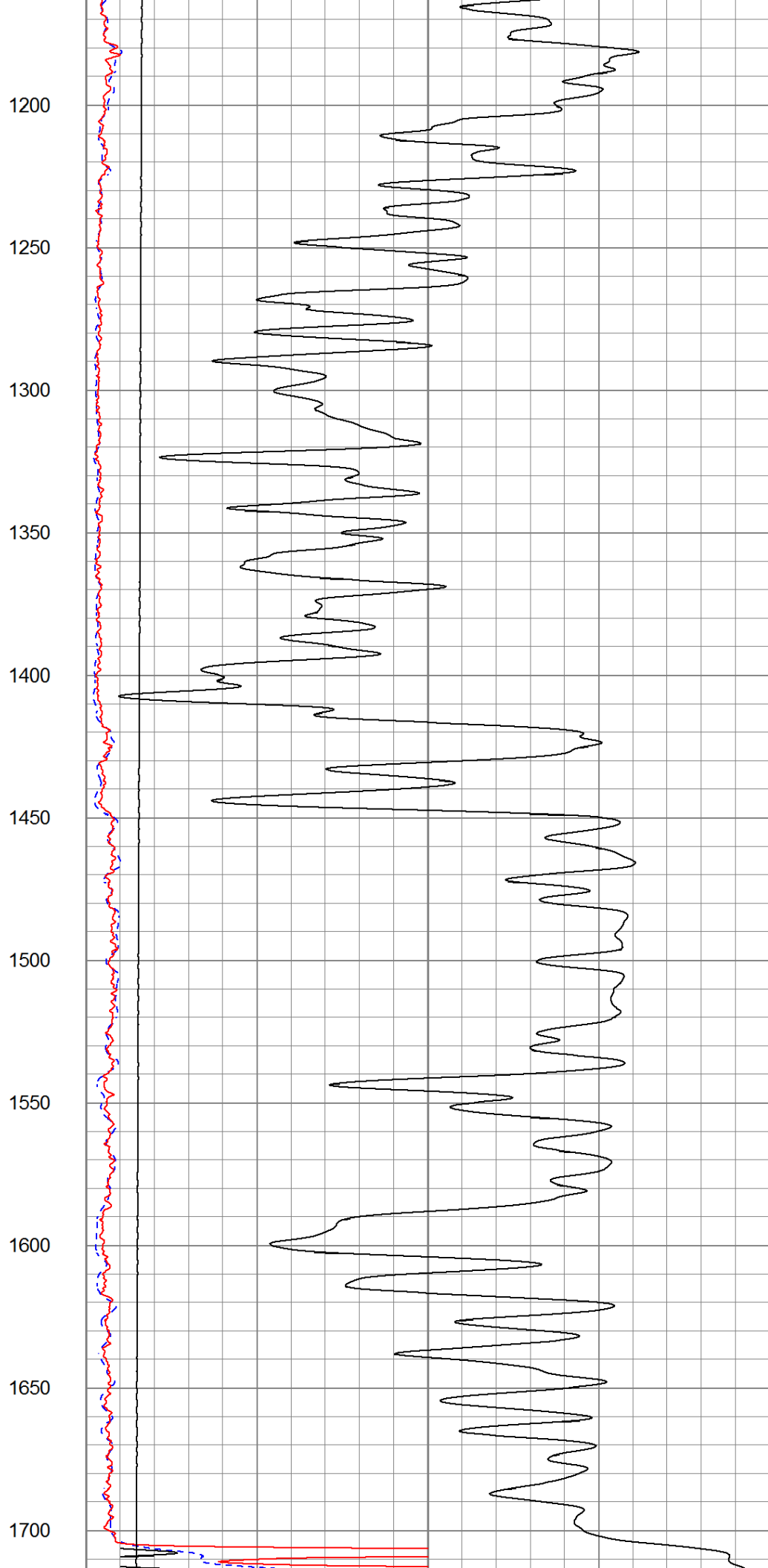
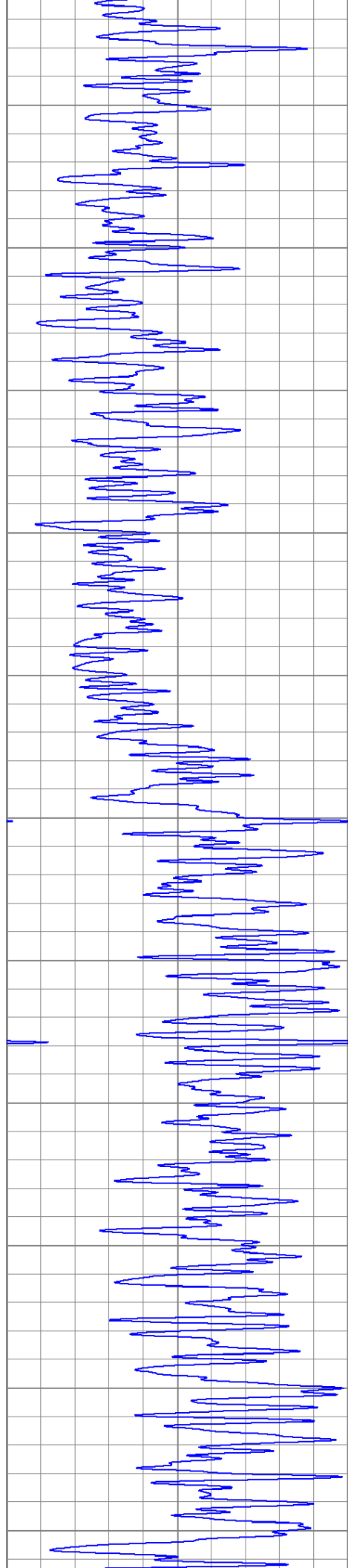
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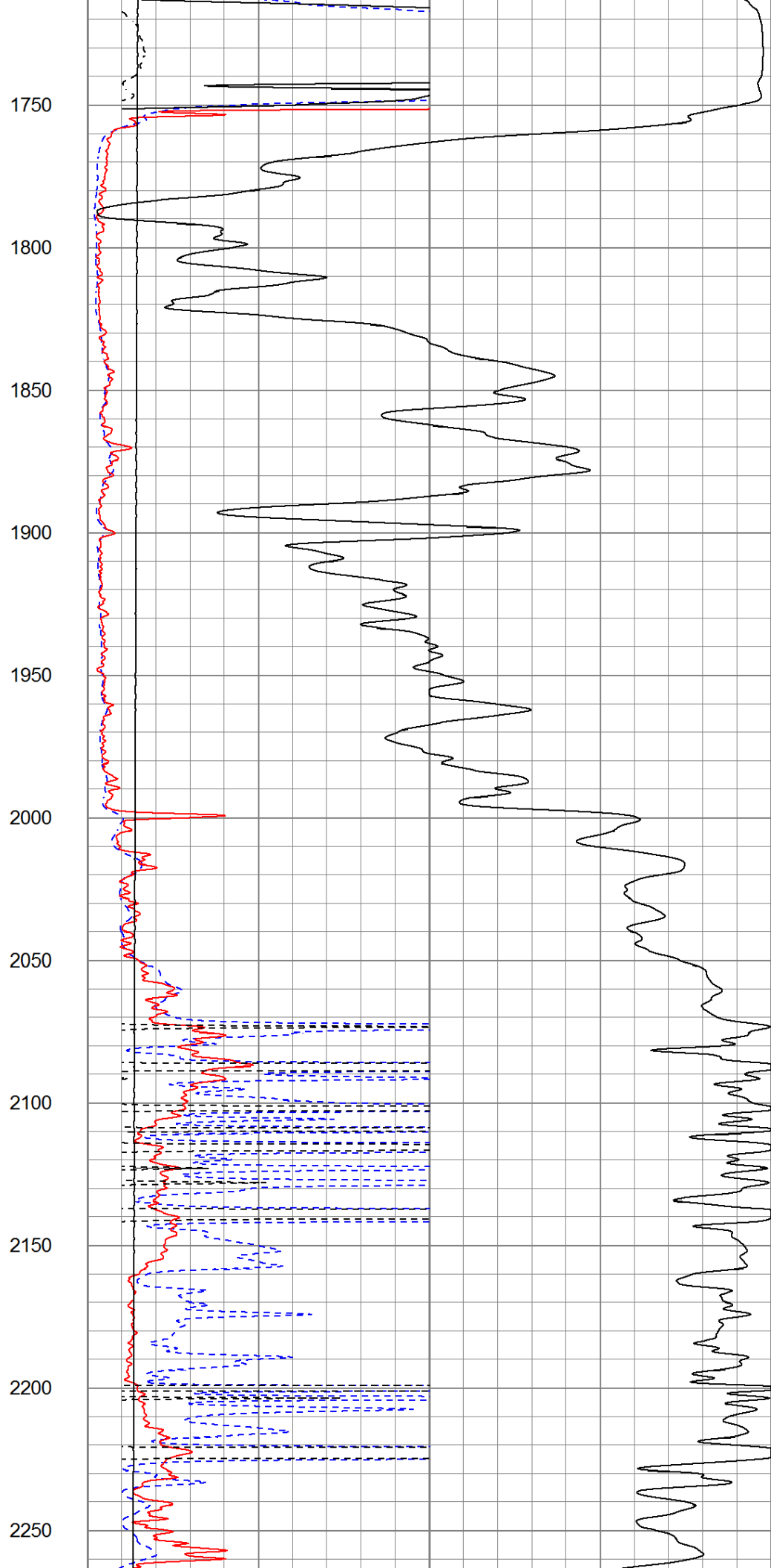
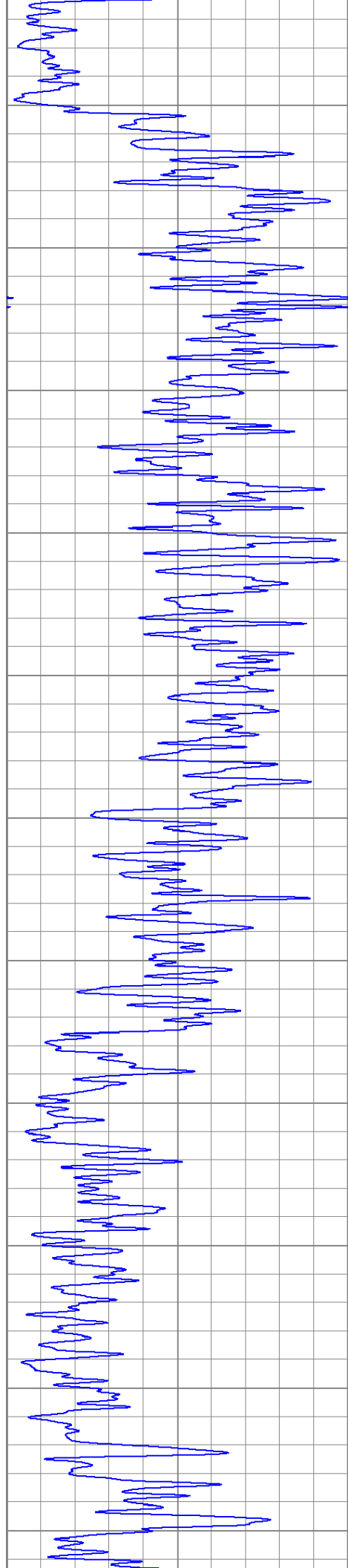
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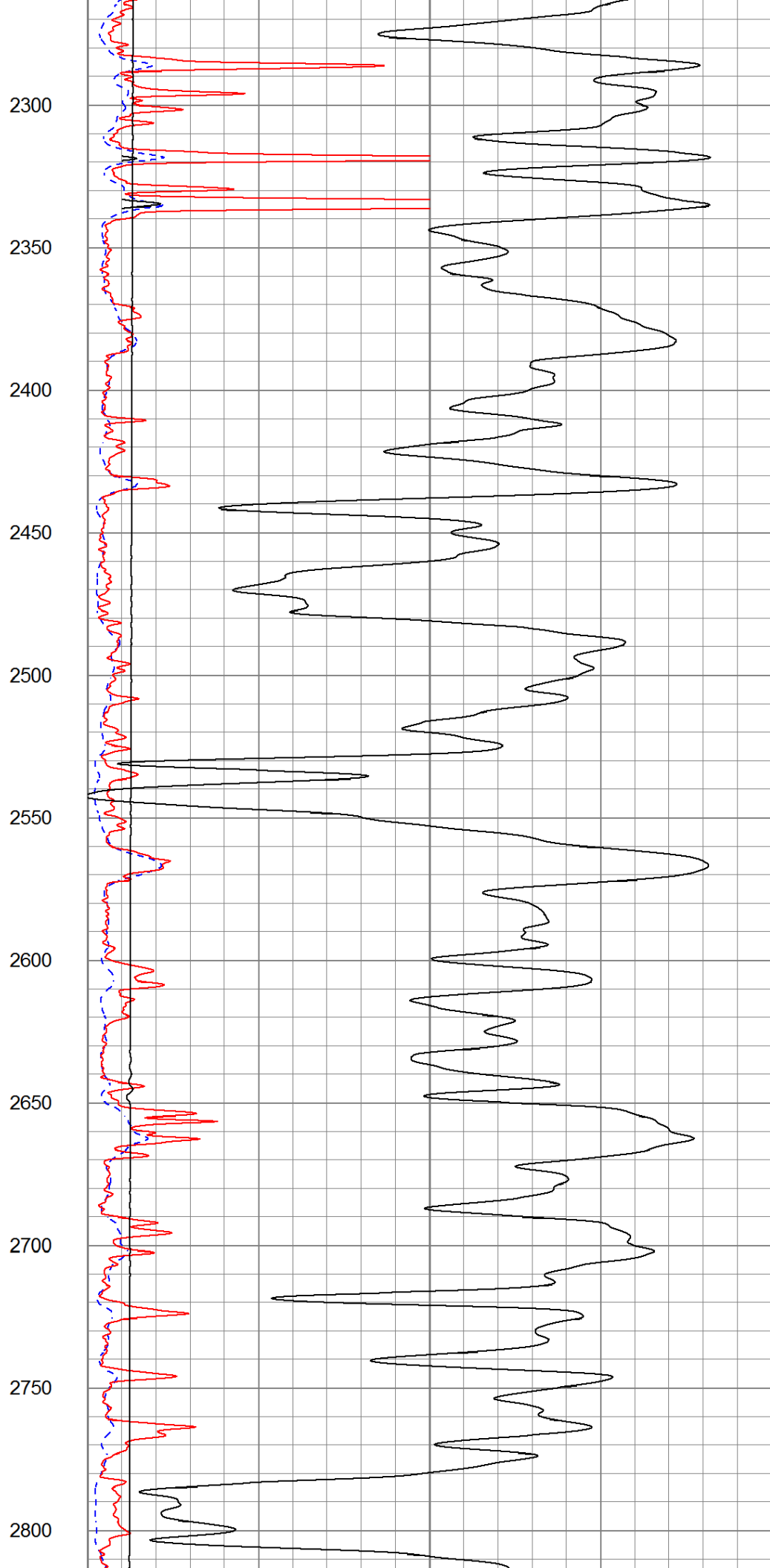
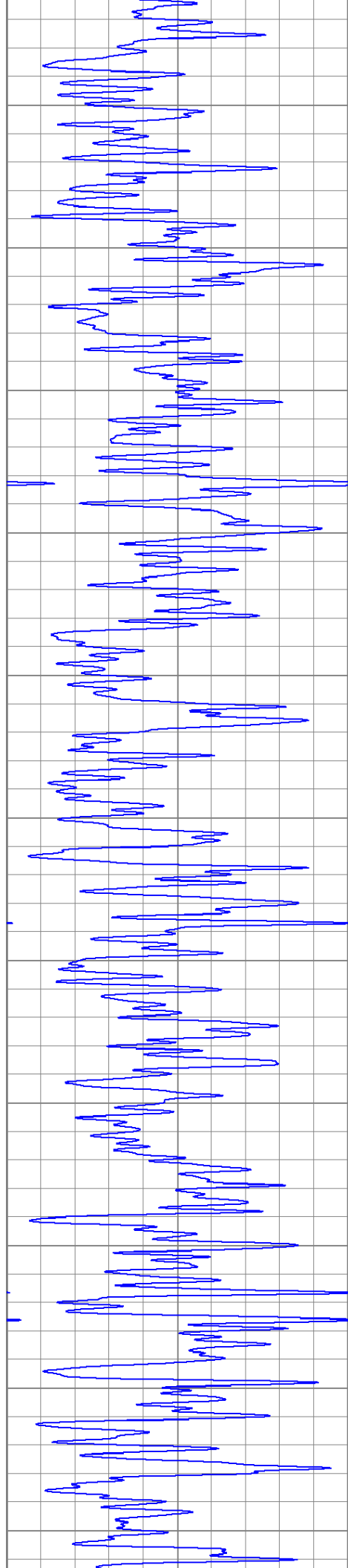
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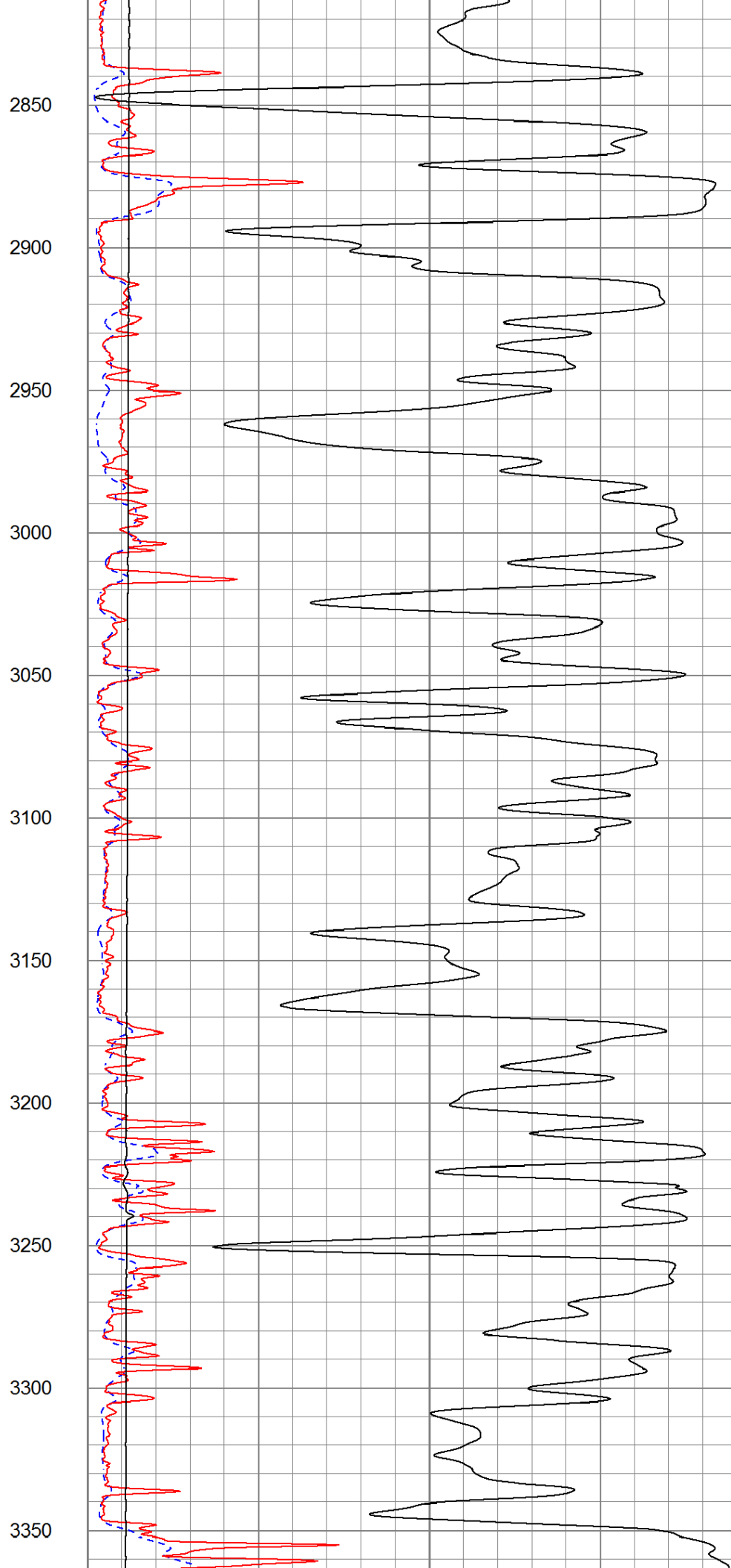
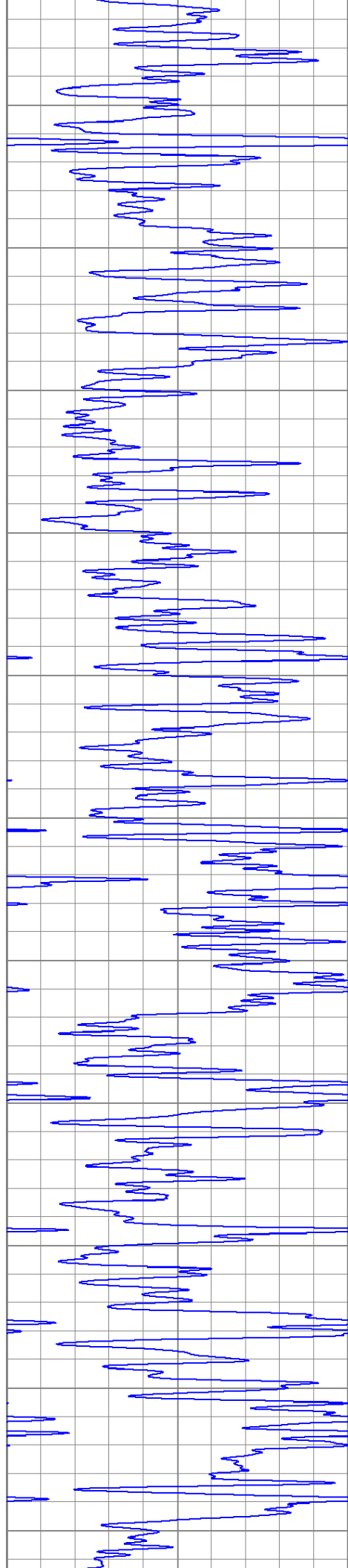
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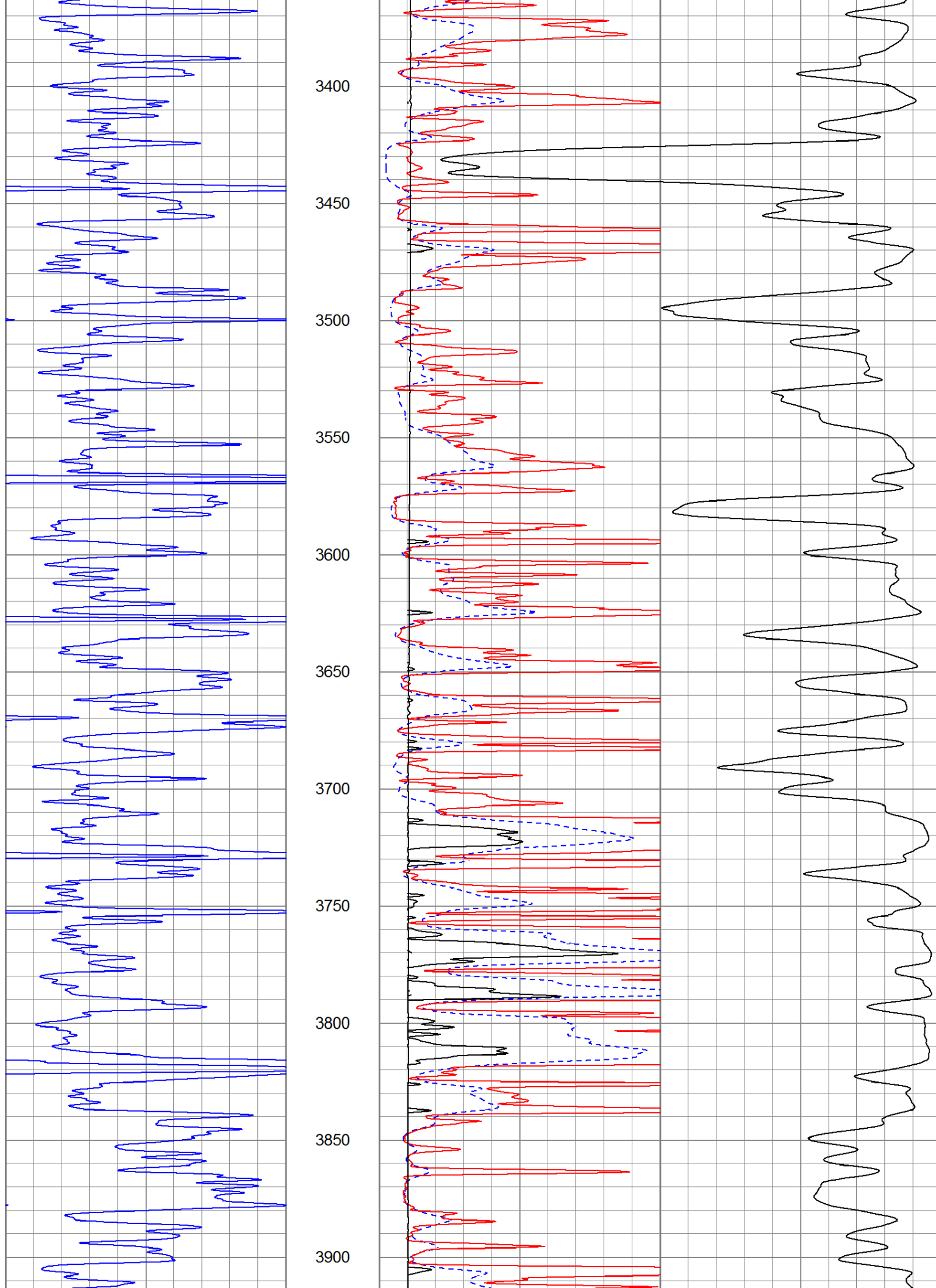


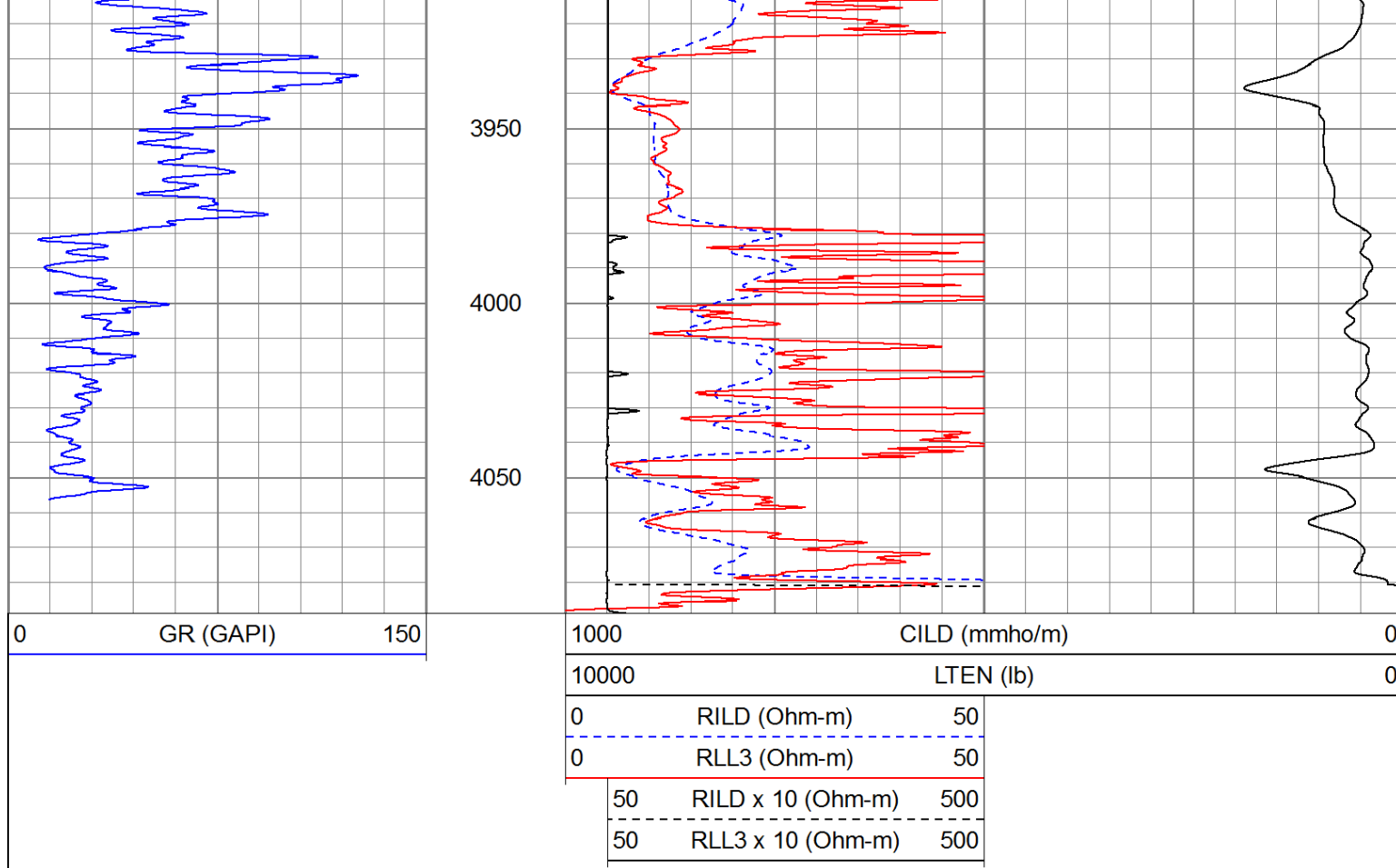










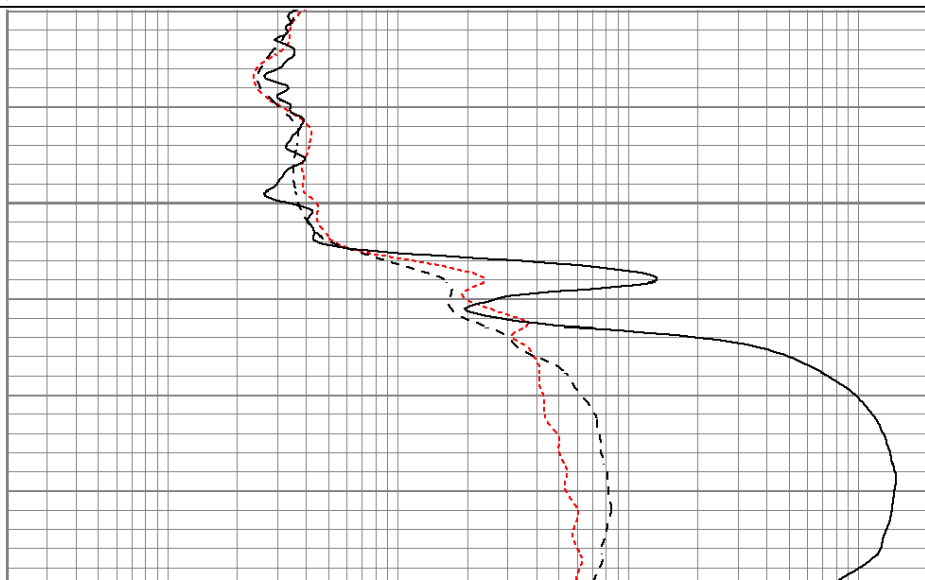
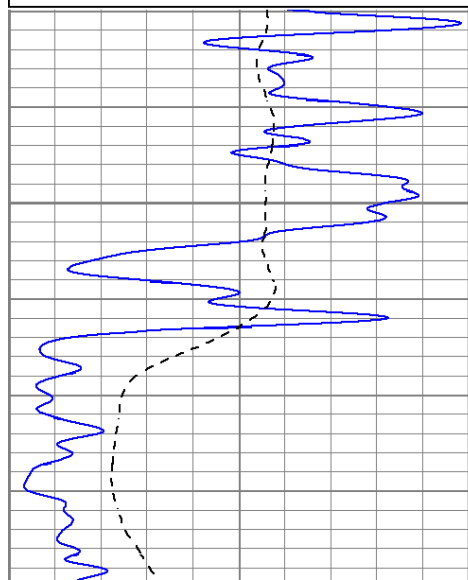


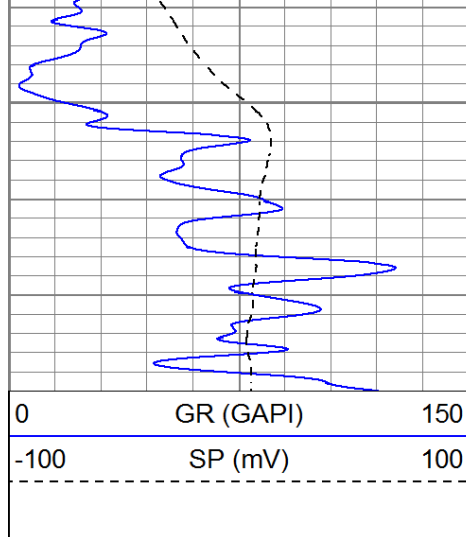
Main Pass

Database File kibaughra#4-29oh.db
 Dataset Pathname pass4.2
 Presentation Format kdil
 Dataset Creation Tue Dec 16 20:33:00 2014
 Charted by Depth in Feet scaled 1:240

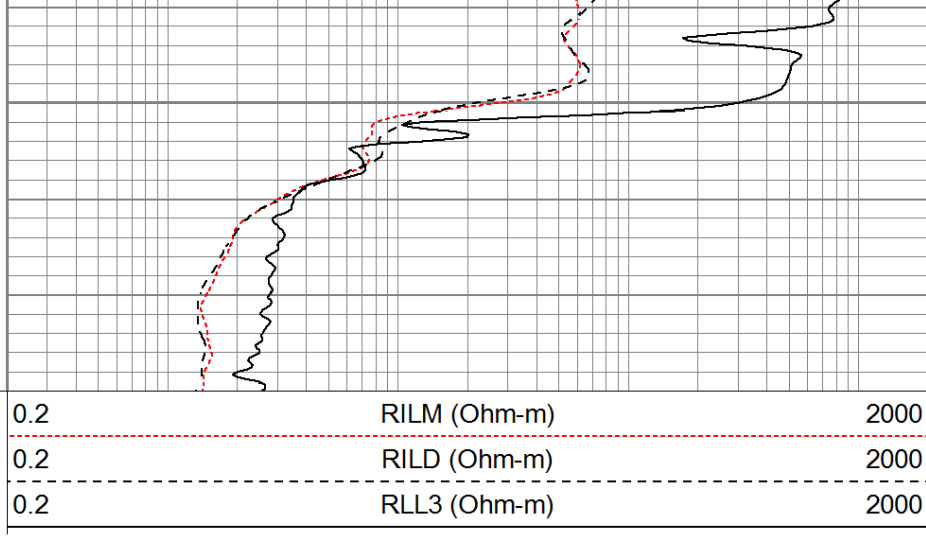
0	GR (GAPI)	150
-100	SP (mV)	100

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



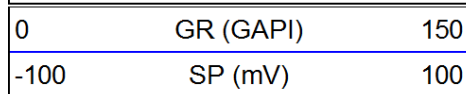


1750

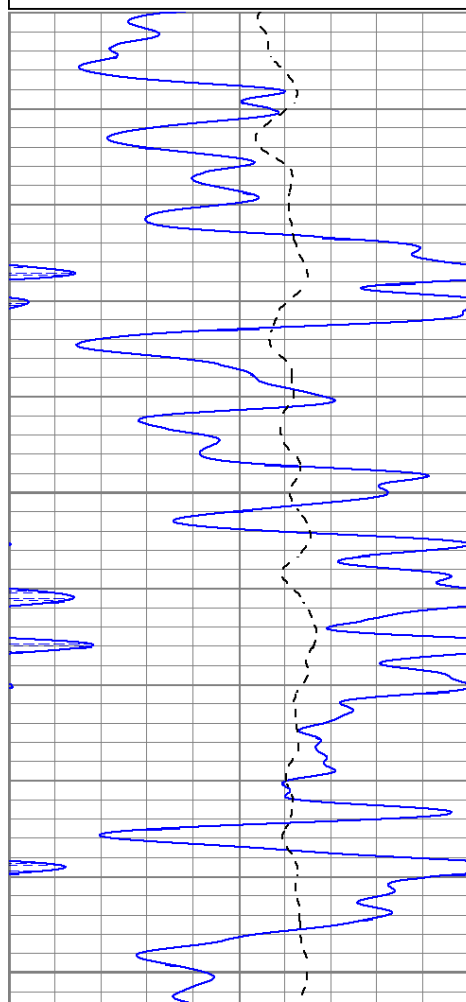
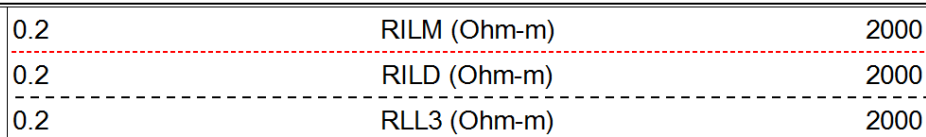


Main Pass

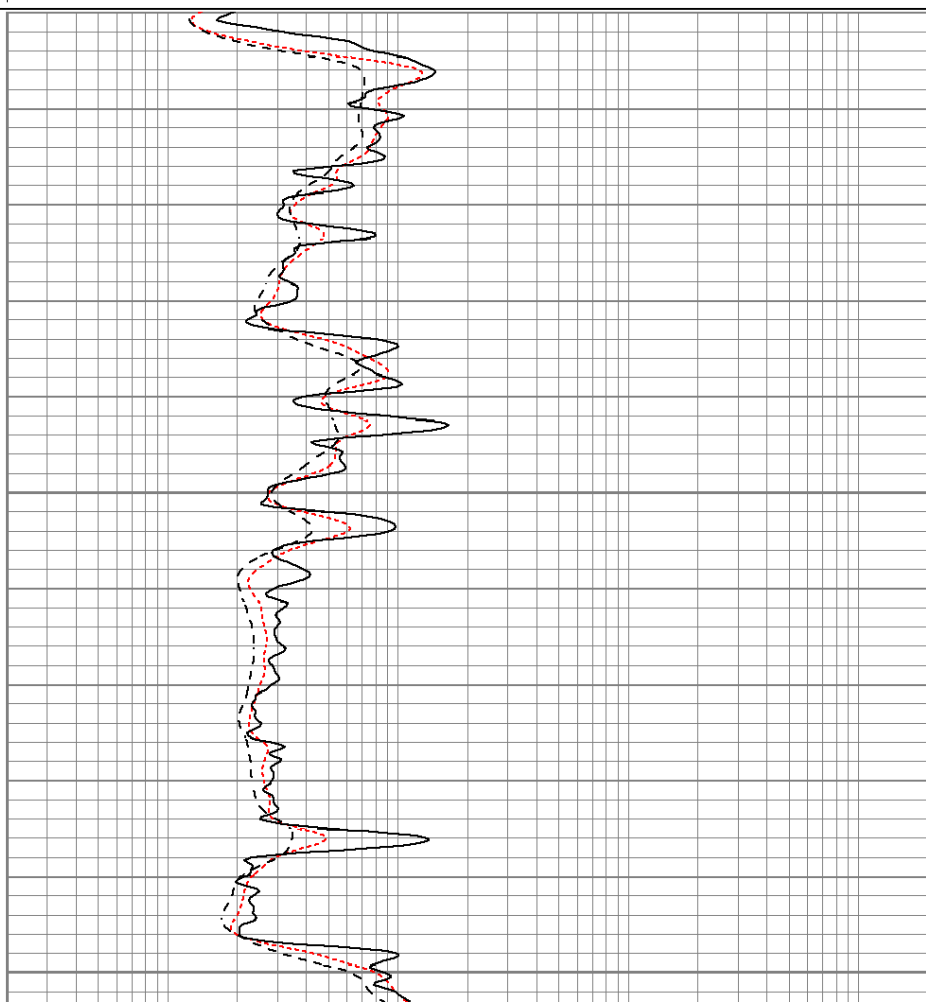
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 Dataset Pathname pass4.2
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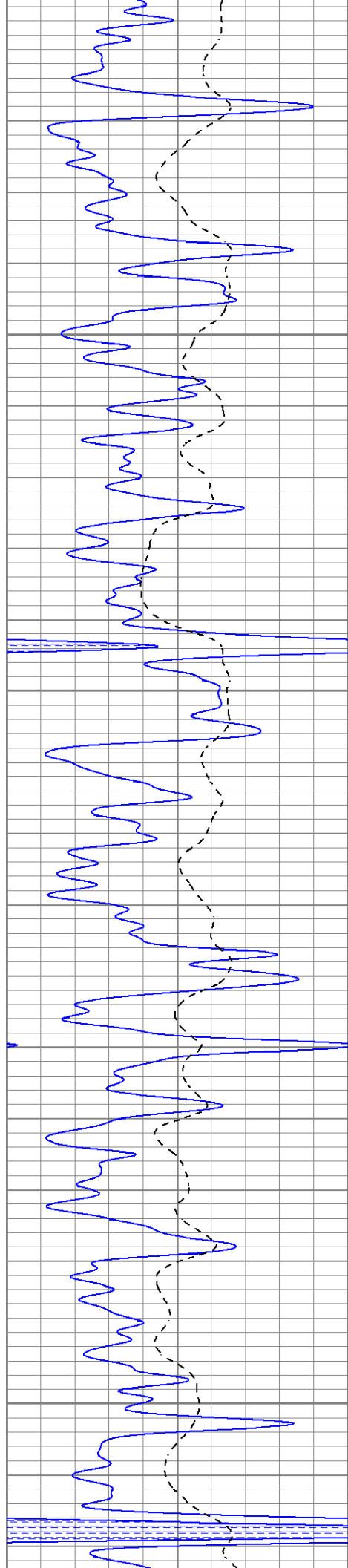
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3300



3350

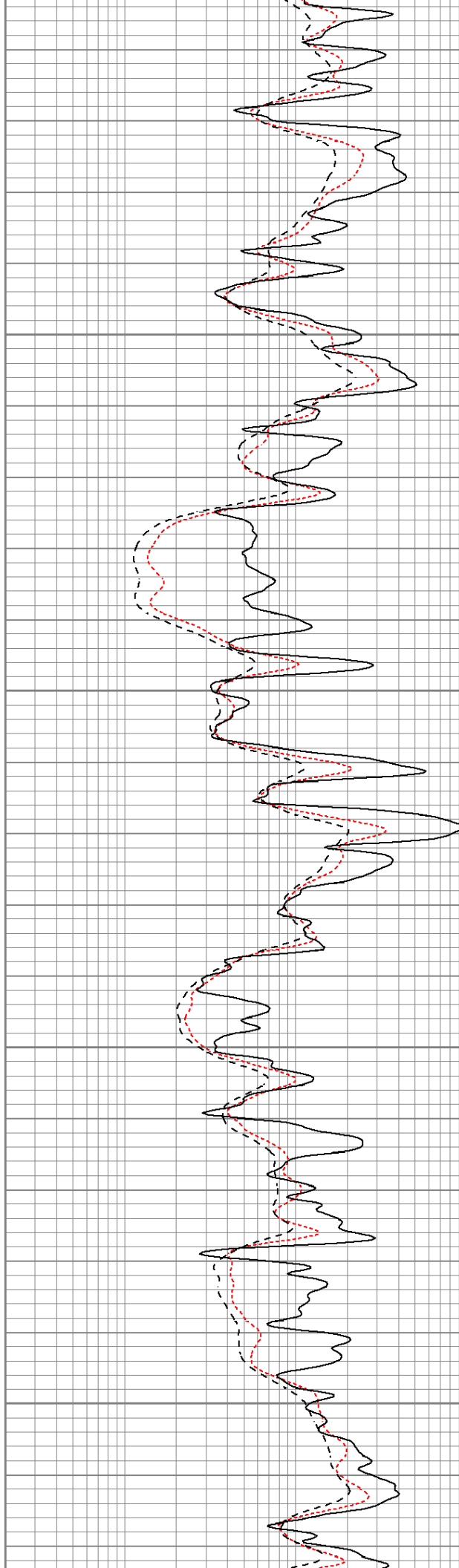


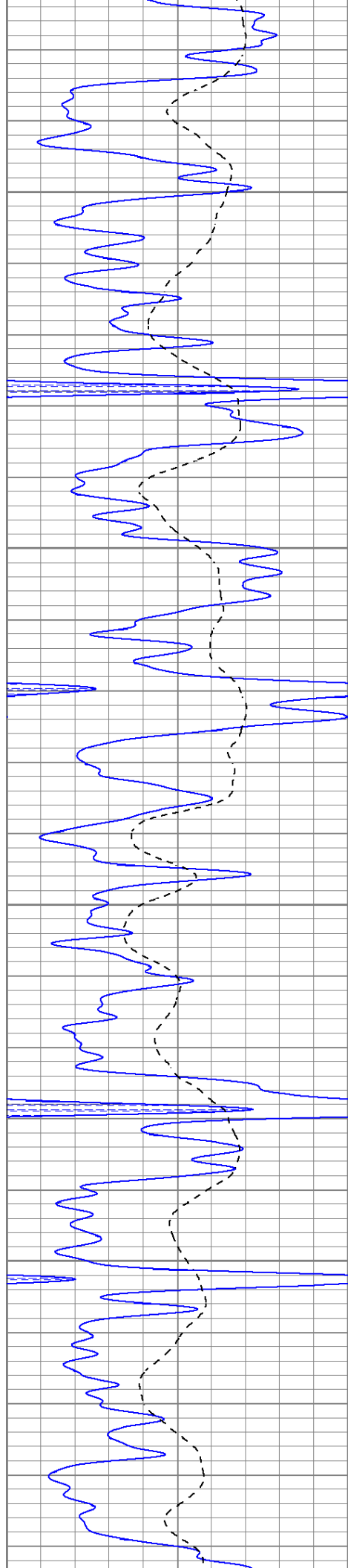
3400

3450

3500

3550



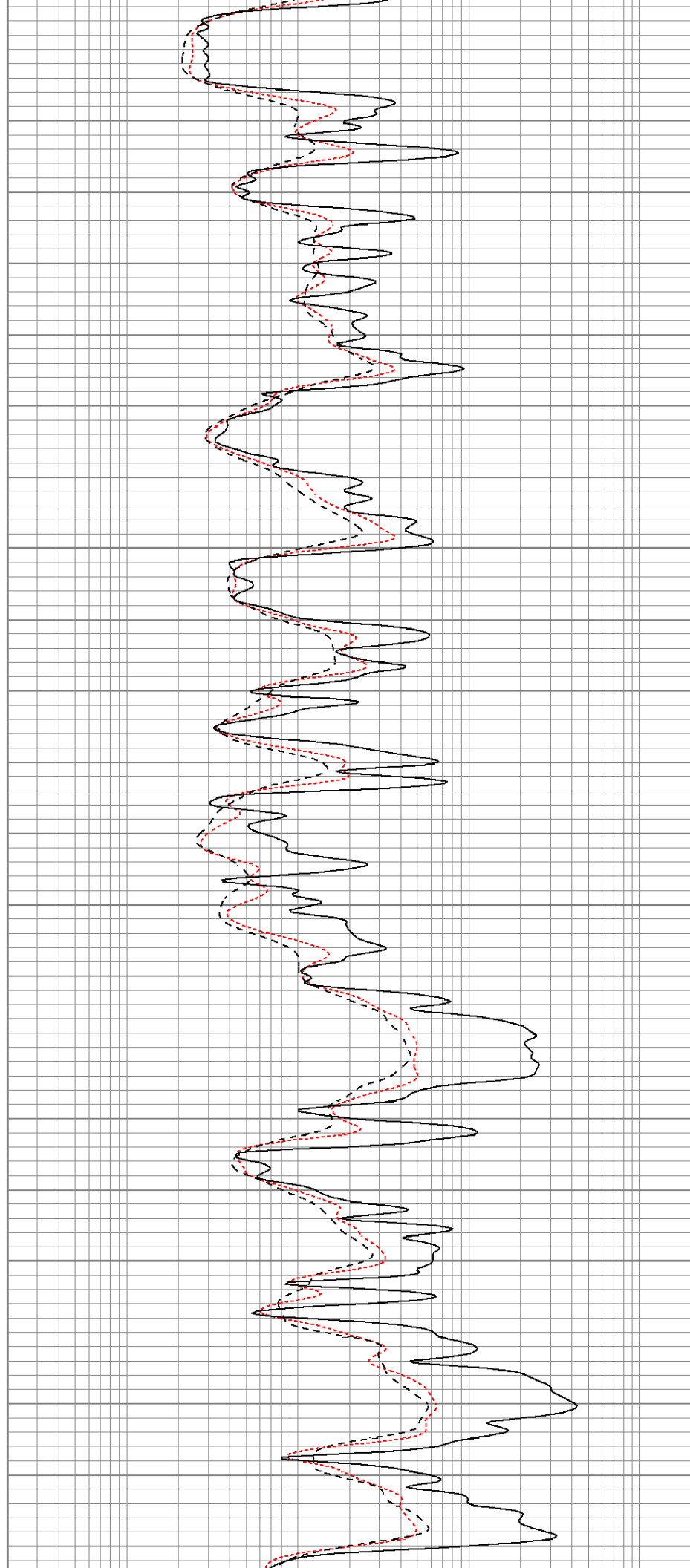


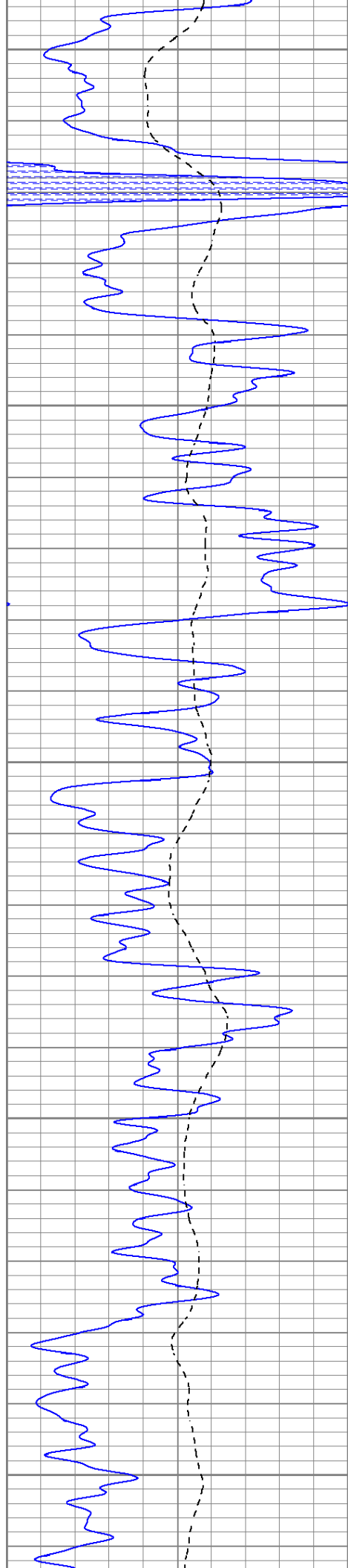
3600

3650

3700

3750





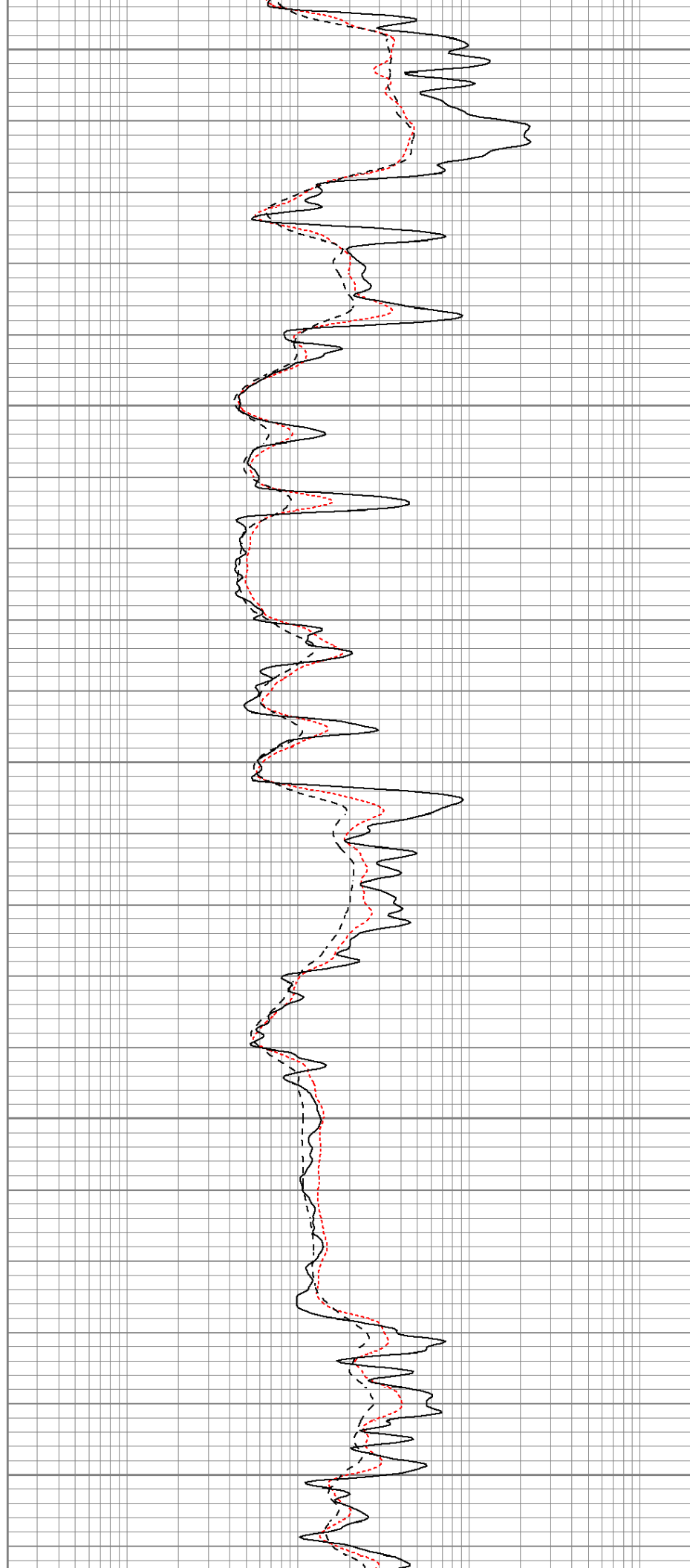
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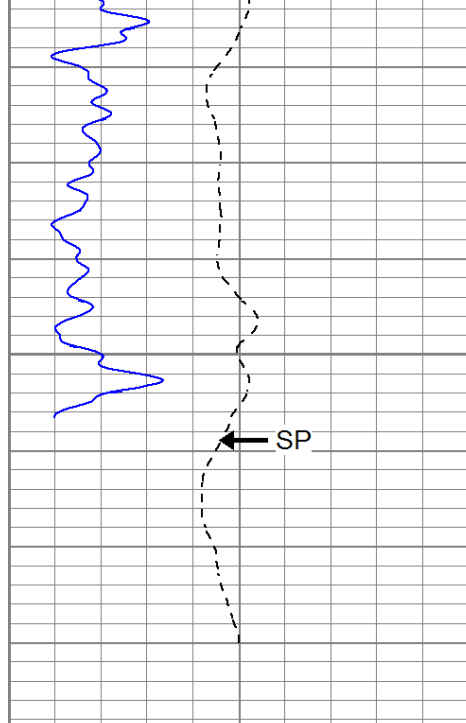
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3900

3950

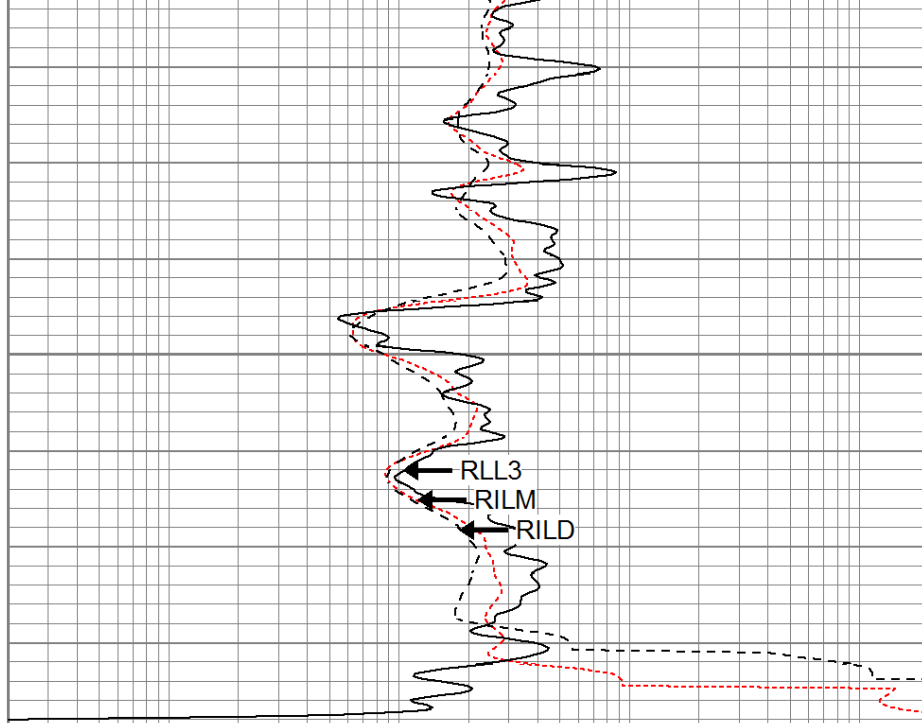
4000





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

4050



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

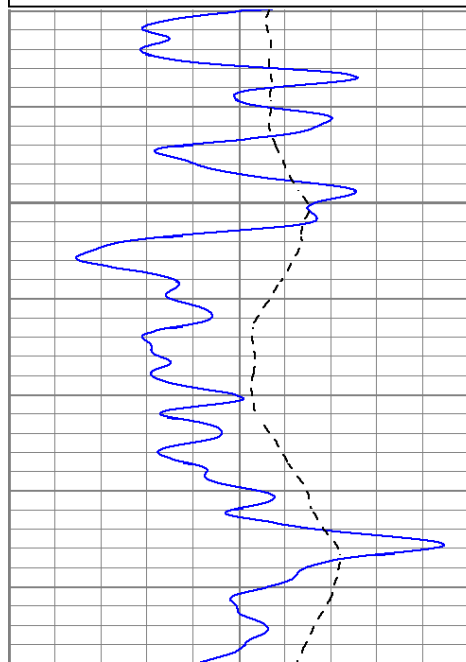


Repeat Pass

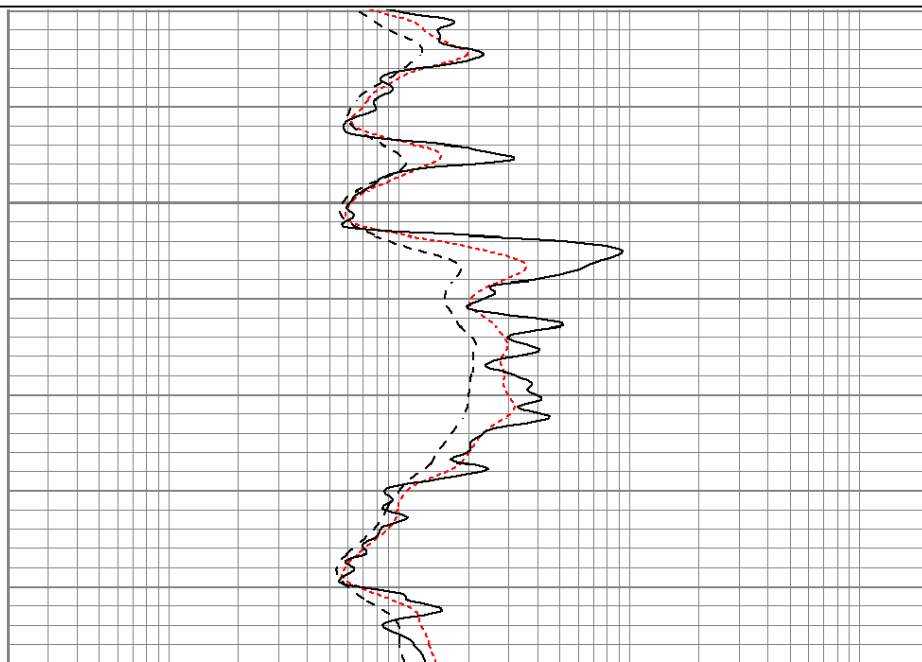
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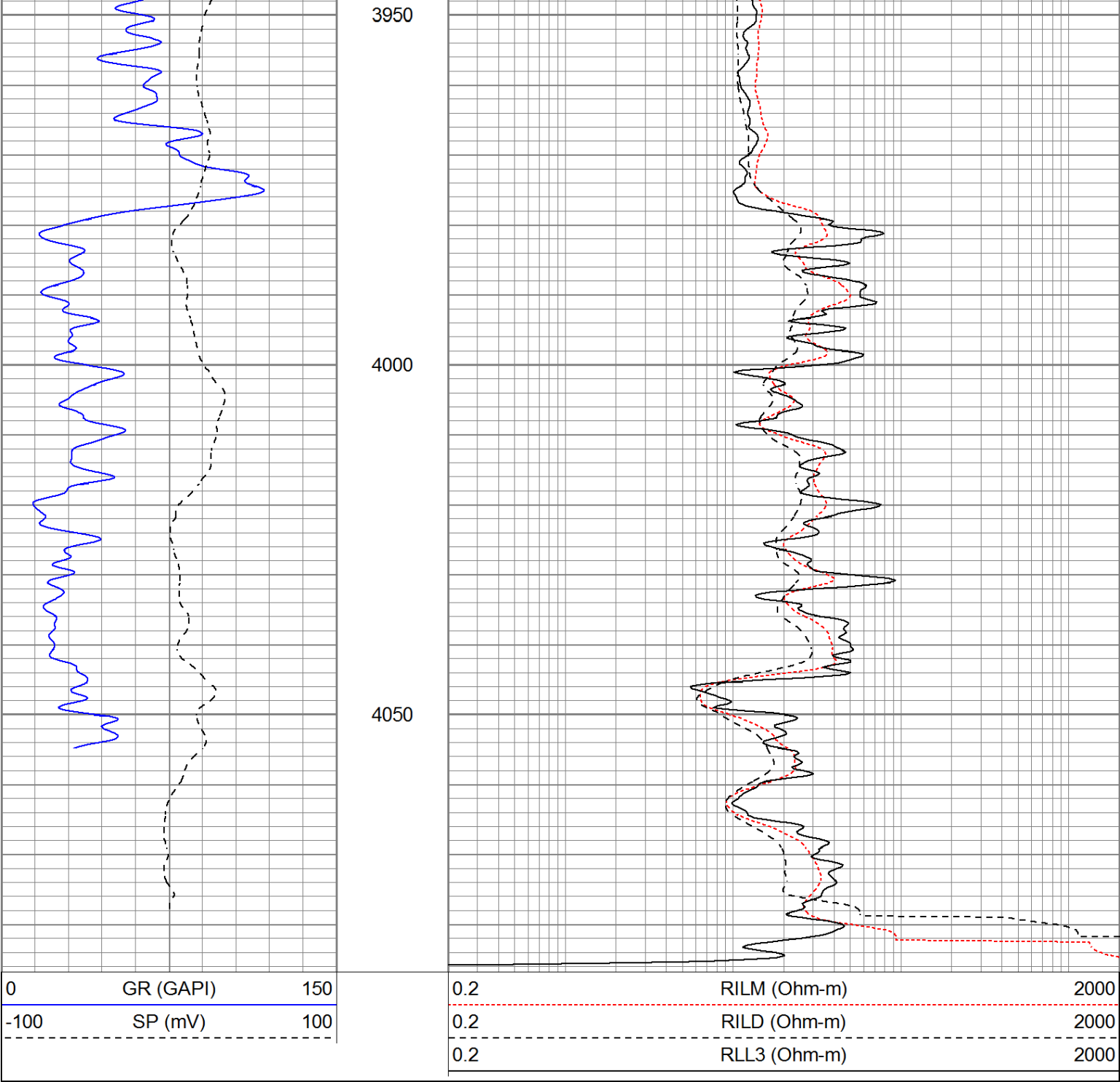
0	GR (GAPI)	150
-100	SP (mV)	100

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



3900





Calibration Report							
Database File	kibaughra#4-29oh.db						
Dataset Pathname	pass1						
Dataset Creation	Tue Dec 16 19:20:23 2014						
Dual Induction Calibration Report							
Serial-Model:				5375-G			
Surface Cal Performed:				Tue Dec 16 17:16:35 2014			
Downhole Cal Performed:				Tue Dec 16 17:17:25 2014			
After Survey Verification Performed:				Tue Dec 16 17:17:25 2014			
Surface Calibration							
		Readings		References <th colspan="2">Results</th>		Results	
Loop:	Air	Loop		Air	Loop	m	b
Deep	0.004	0.640	V	0.000	250.000	mmho/m	540.656 1.026

Deep	0.004	0.640	V	0.000	350.000	mmho/m	349.636	-1.956
Medium	0.009	0.728	V	0.000	400.000	mmho/m	556.144	-4.817
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.004	0.639	V	0.000	350.000	mmho/m	550.617	-1.953
Medium	0.008	0.728	V	0.000	550.000	mmho/m	764.257	-6.363
Downhole Calibration								
	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.527	350.020	mmho/m	0.013	349.403	mmho/m	0.997	0.538
Medium	-0.944	400.458	mmho/m	-0.187	400.044	mmho/m	0.997	0.754
Shallow	2.445	0.012	V	500.000	2.000	Ohm-m	204.703	-0.511
After Survey Verification								
	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.527	350.020	mmho/m	0.997	0.538
Medium	0.000	0.000	mmho/m	-0.944	400.458	mmho/m	0.997	0.754
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000
Compensated Density Calibration Report								
	Serial-Model: Source / Verifier: Master Calibration Performed: Before Survey Verification Performed: After Survey Verification Performed:				2118-poilex csvj12 / Tue Nov 11 03:33:10 2014			
Master Calibration								
	Density			Far Detector		Near Detector		
Magnesium	1.750	g/cc		373.74		361.30 cps		
Aluminum	2.640	g/cc		72.24		238.77 cps		
	Spine Angle = 75.86			Density/Spine Ratio = 0.525				
	Size			Reading				
Small Ring	8.50	in		2.41		V		
Large Ring	14.00	in		4.04		V		
Before Survey Verification								
	Target			Measured				
			g/cc	g/cc				
			g/cc	g/cc				
			g/cc	g/cc				
After Survey Verification								
	Target			Measured				
			g/cc	g/cc				
			g/cc	g/cc				
			g/cc	g/cc				
Gamma Ray Calibration Report								
Serial Number:			2118					
Tool Model:			poilex					

Performed: Sun Nov 30 21:41:19 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading: 1.0 cps

Sensitivity: 1.9000 GAPI/cps

Neutron Calibration Report

Serial Number: 5138

Tool Model: G

Performed: Tue Nov 11 04:21:10 2014

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	34.17		CHD-None	0.75	1.50	5.00
			NEU-G (5138) Gearhart Epithermal	5.65	3.50	85.00
GR	29.72		GR-poilex (2118)	2.79	4.00	40.00
LSD	23.30		CDL-poilex (2118)	6.04	4.00	275.00
DCAL	22.89					
SSD	22.72					
SP	10.60		DIL-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: kibaughra#4-29oh.db: field/well/run1/pass1

Total length: 36.70 ft

Total weight: 750.00 lb

O.D.: 4.00 in