

Company John O Farmer Inc.		Company John O Farmer Inc.	
Well Waugh A#1	Well Waugh A#1		
Field Wildcat	Field Wildcat		
County Wabaunsee	County Wabaunsee	State Kansas	
State Kansas	Location: 1230' FSL & 2570' FEL	API #: 15 197 20293	Other Services ML CDNL
	SEC 7 TWP 15S RGE 12E		Elevation K.B. 1327' D.F. 1327' G.L. 1319'
Permanent Datum Log Measured From	Ground Level KB 8' AGL	Elevation 1319'	
Drilling Measured From	KB		
Date 10-26-11	Run Number One		
Depth Driller 3144'	Depth Logger 3140'		
Bottom Logged Interval 3138'	Top Log Interval 250'		
Casing Driller 305'	Casing Logger 305'		
Bit Size 7 7/8"	Type Fluid in Hole Chemical Mud		
Density / Viscosity 9.3/52	pH / Fluid Loss 9.5/9.2		
Source of Sample Pit	Rm @ Meas. Temp 3@71degf		
Rmf @ Meas. Temp 2.25@71degf	Rmc @ Meas. Temp 4.8@71degf		
Source of Rmf / Rmc Calculated	Rm @ BHT 1.78@120degf		
Time Circulation Stopped 7:15 a.m.	Time Logger on Bottom 10:00 a.m.		
Maximum Recorded Temperature 120	Equipment Number T045		
Location Hays, KS.	Recorded By L. Smith		
Witnessed By Mr. Ted Pfau			

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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

6.5 S of Eskridge, 1.5 W on Elm Creek Rd.

Thank you for using The Perforators LLC
Hays, KS (785) 621-4604

Database File: jofwaugha#1.db
Dataset Pathname: pass2.1
Presentation Format: kdrillin2
Dataset Creation: Wed Oct 26 11:47:23 2011 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

0	GR (GAPI)	150
-200	SP (mV)	0

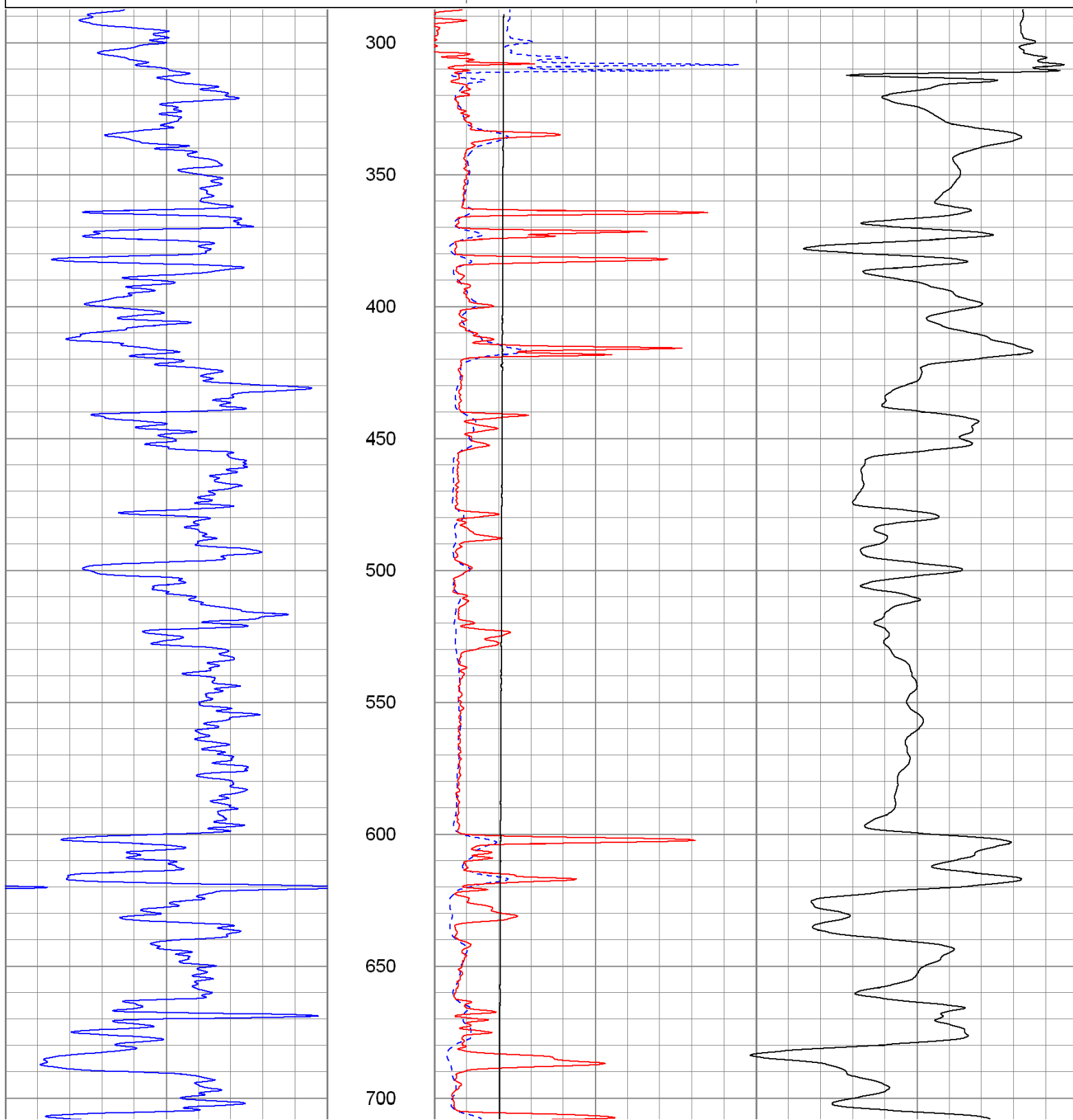
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50

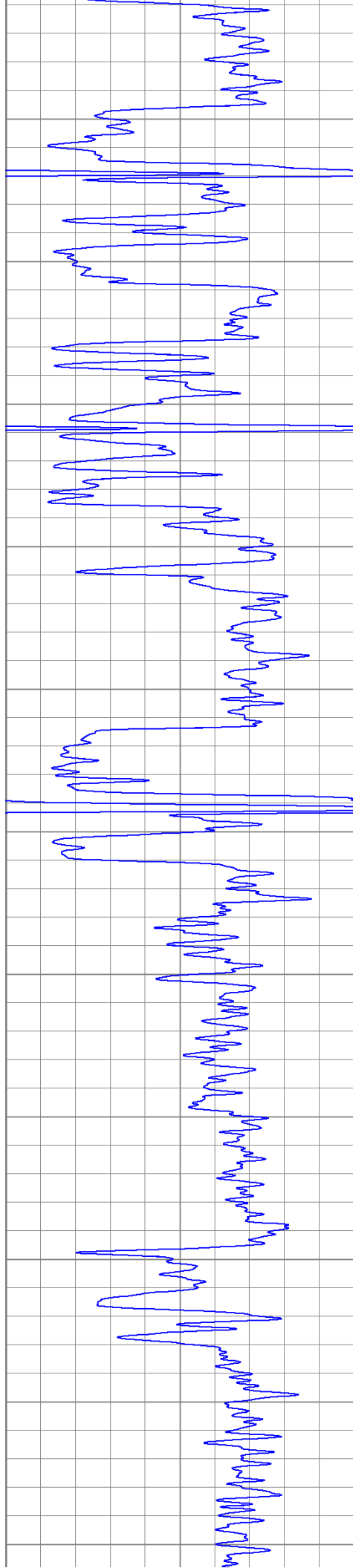
1000	CILD (mmho/m)	0
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10000	LTEN (lb)	0
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50	RILD x 10 (Ohm-m)	500
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50	RLL3 x 10 (Ohm-m)	500
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750

800

850

900

950

1000

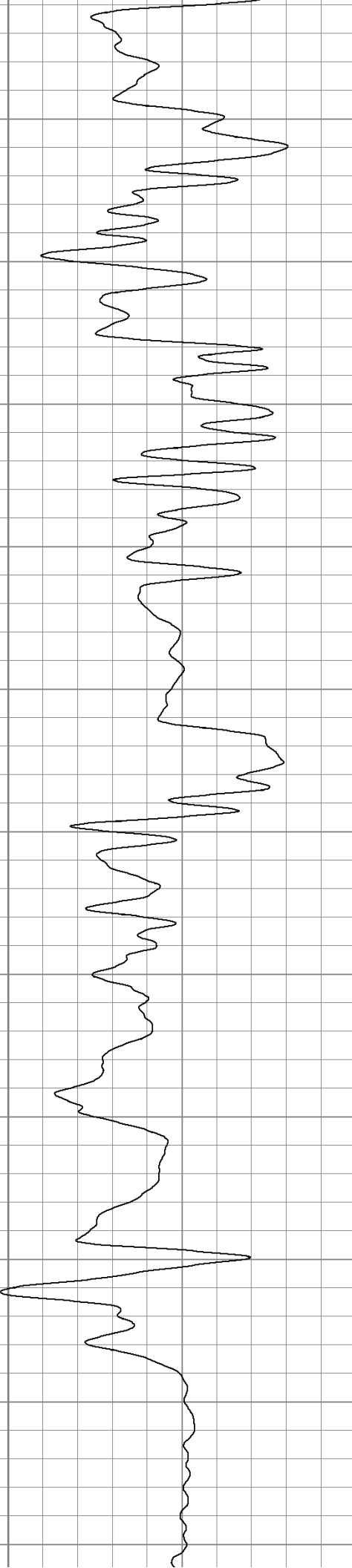
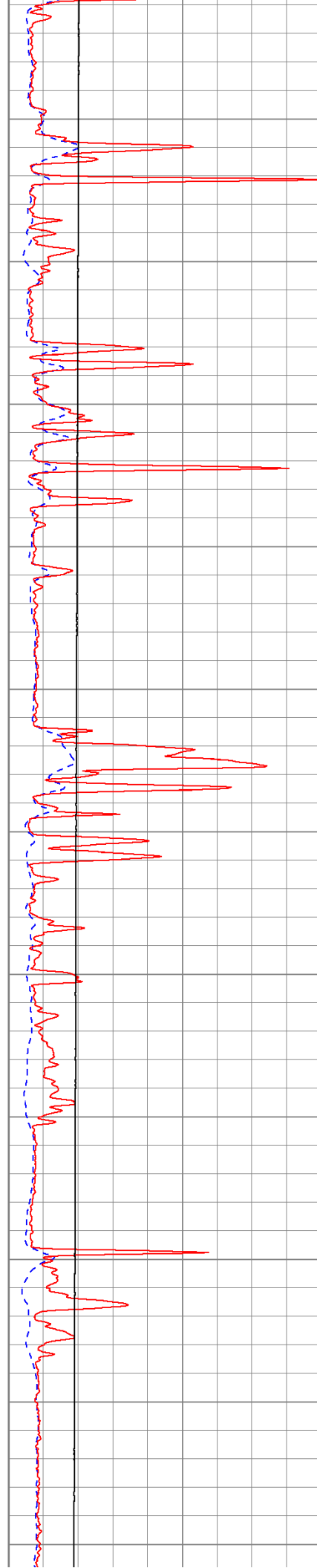
1050

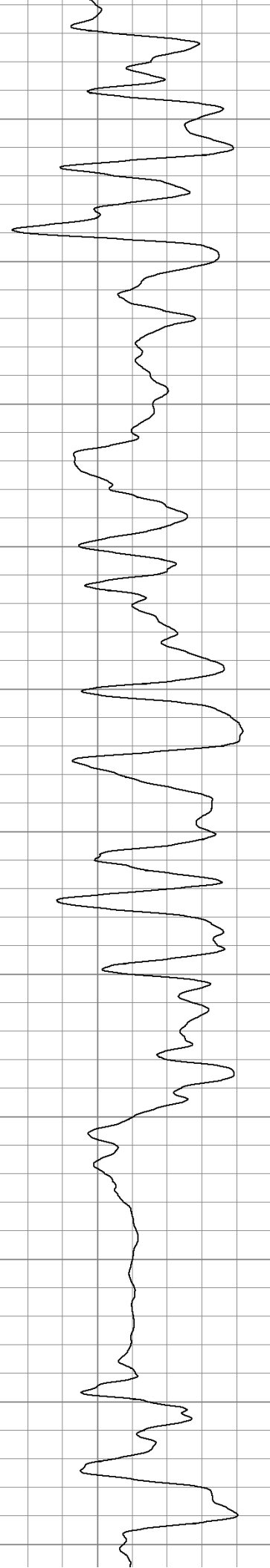
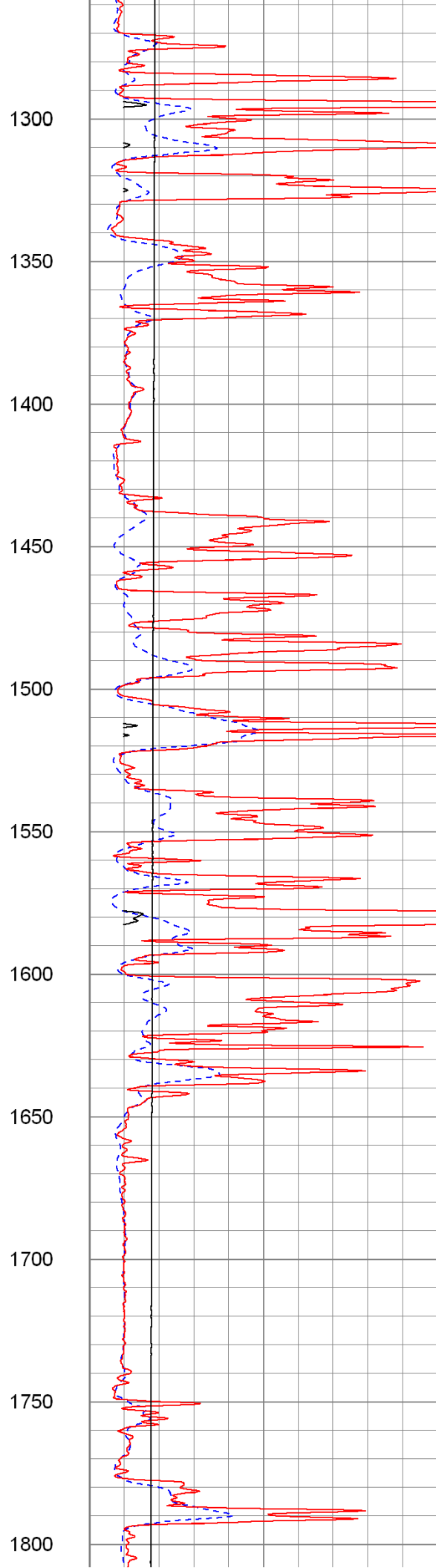
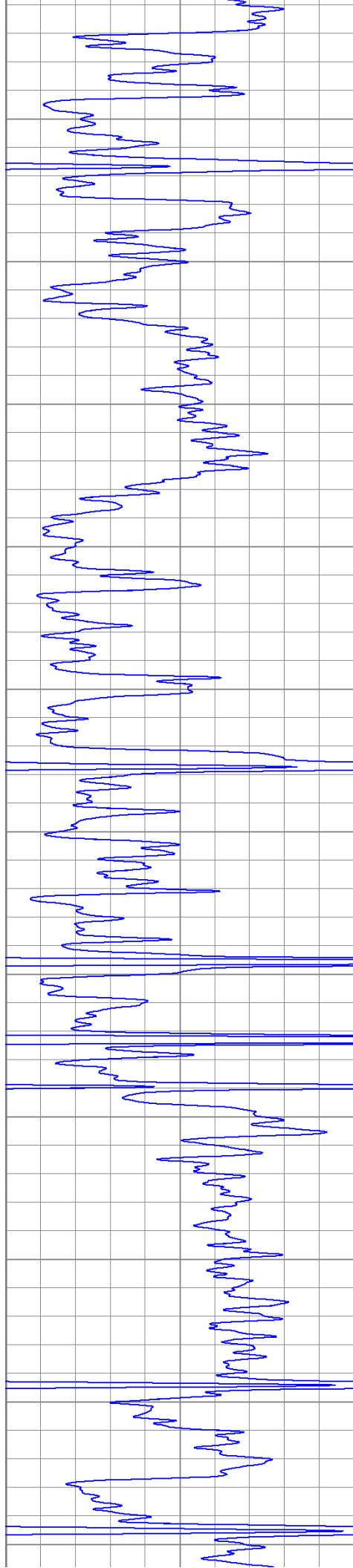
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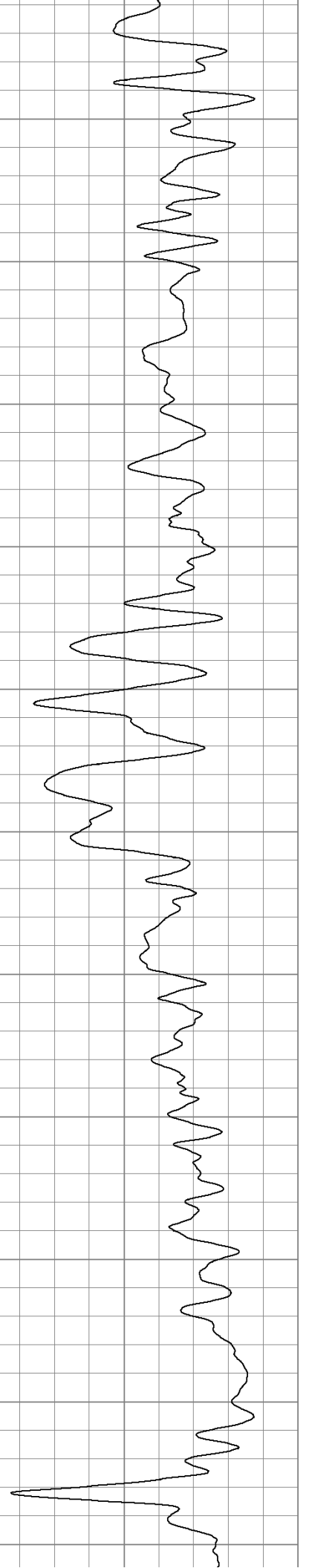
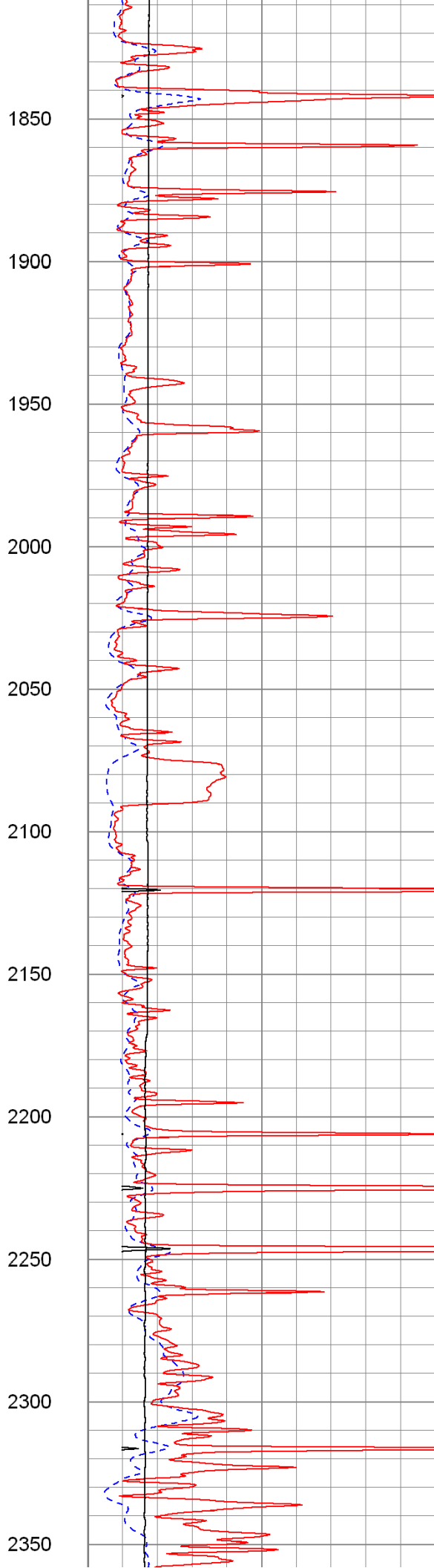
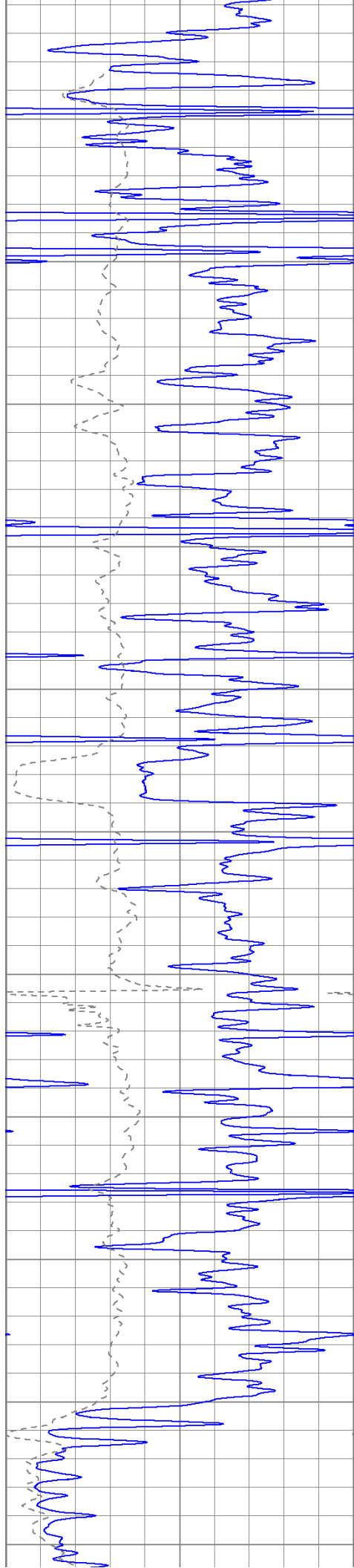
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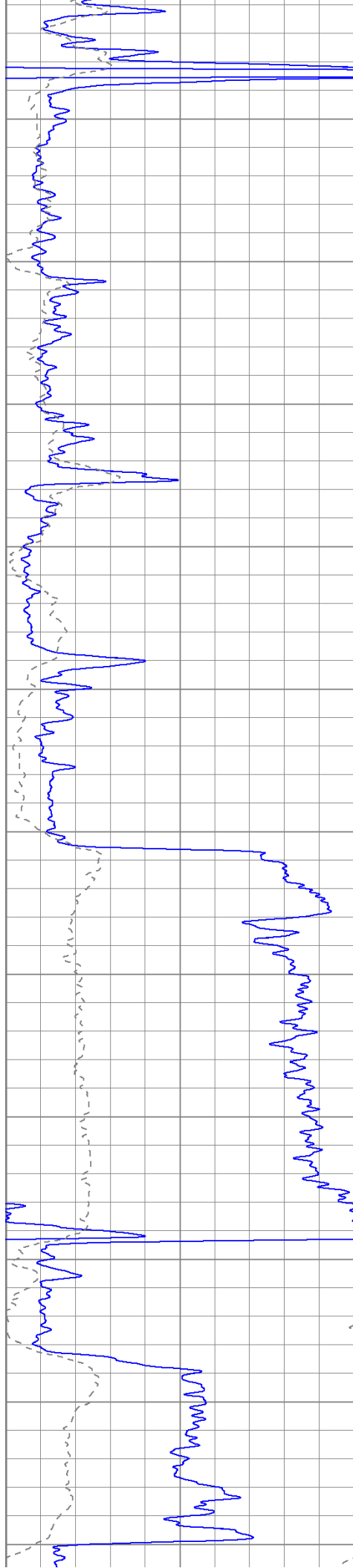
1200

1250









2400

2450

2500

2550

2600

2650

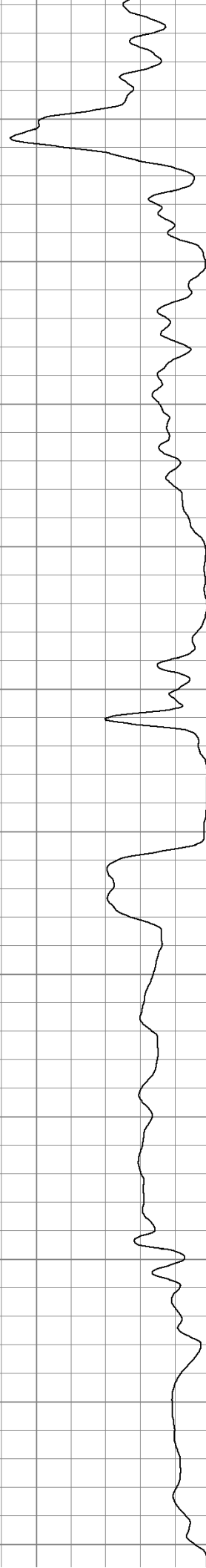
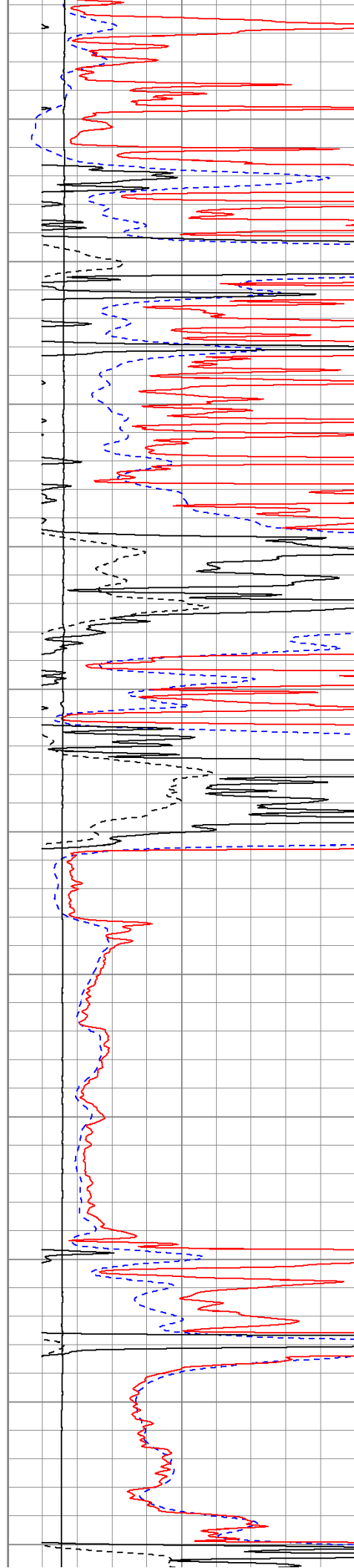
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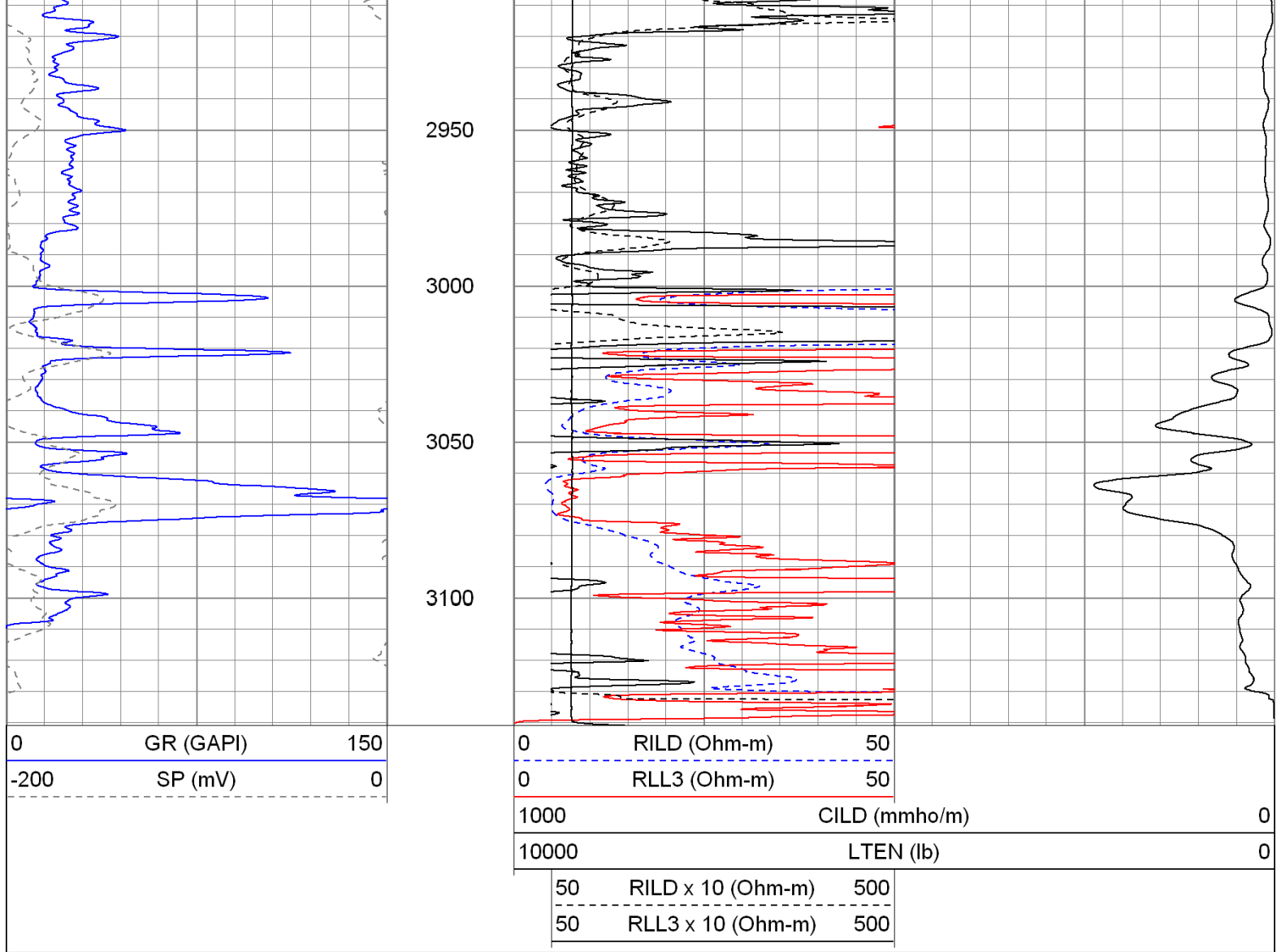
2750

2800

2850

2900

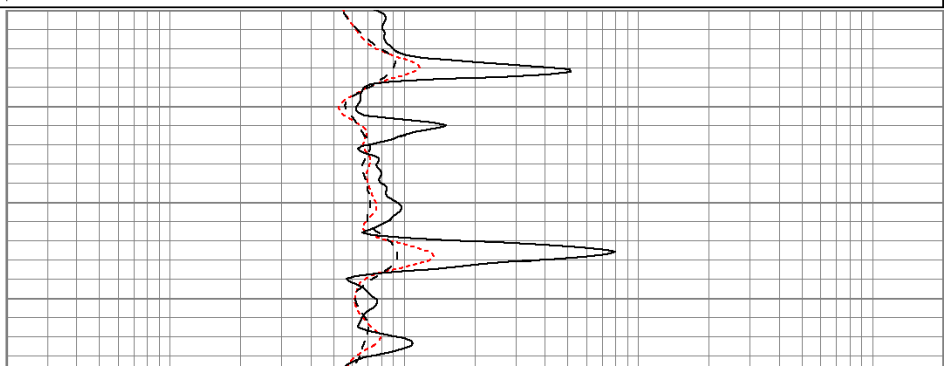
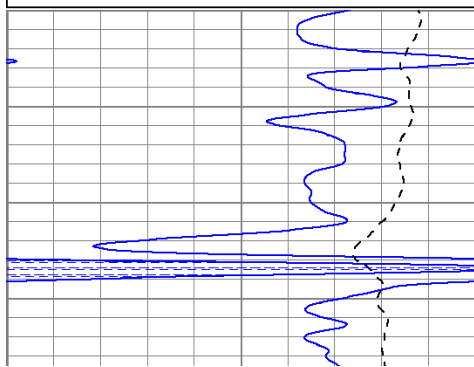


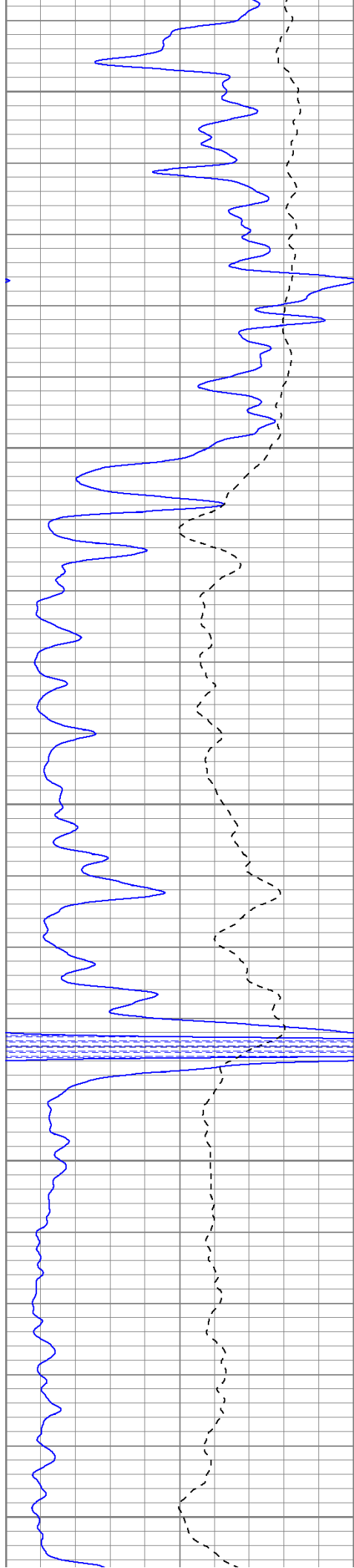


Main Pass

Database File: jofwaugha#1.db
 Dataset Pathname: pass2.1
 Presentation Format: kdil
 Dataset Creation: Wed Oct 26 11:47:23 2011 by Calc Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240

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





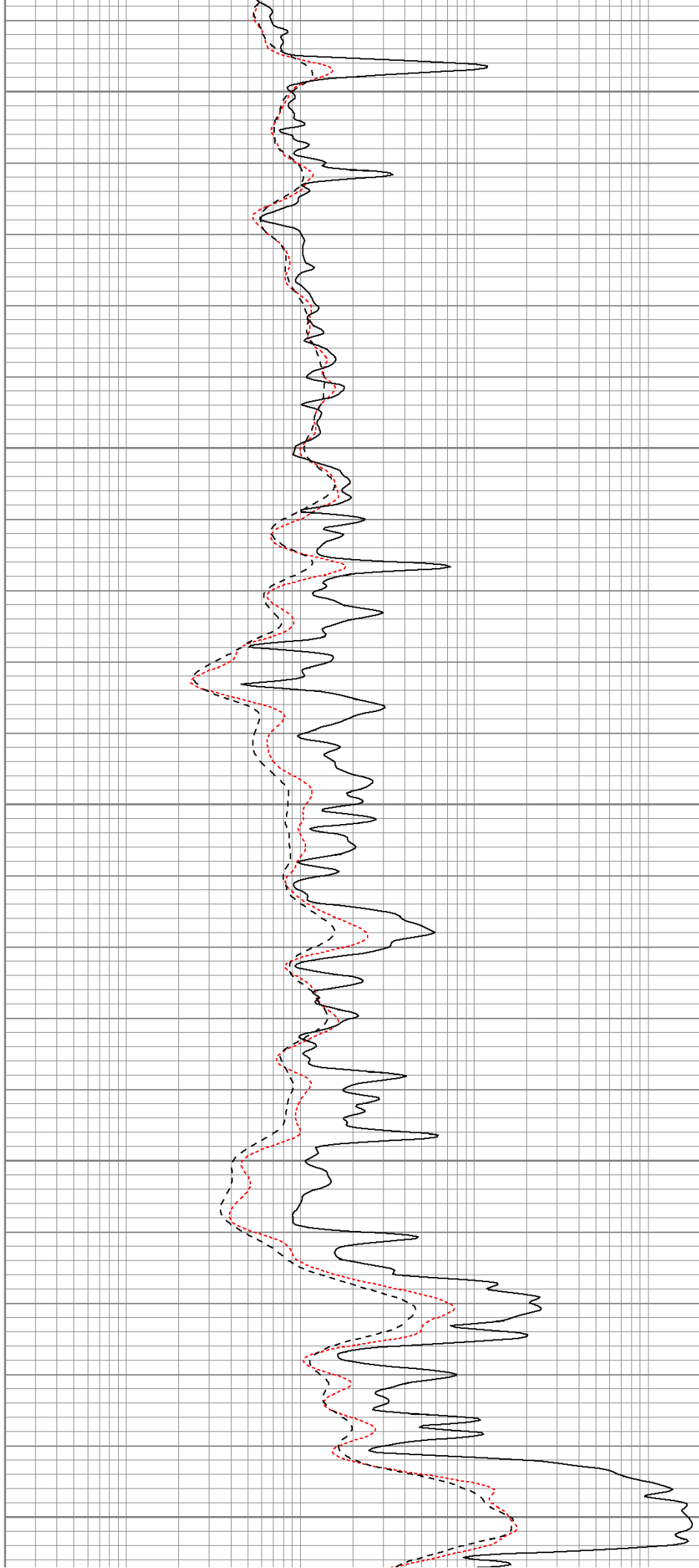
2250

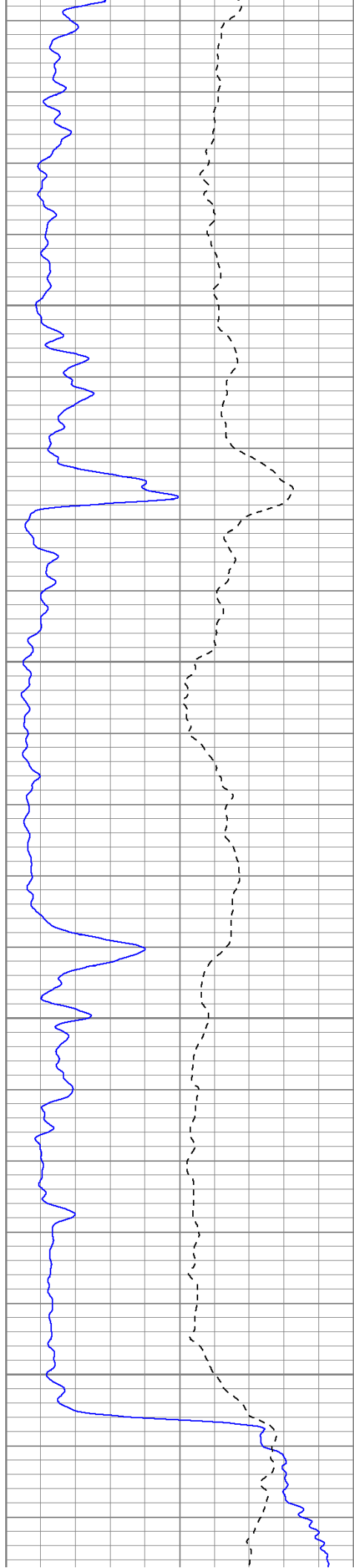
2300

2350

2400

2450



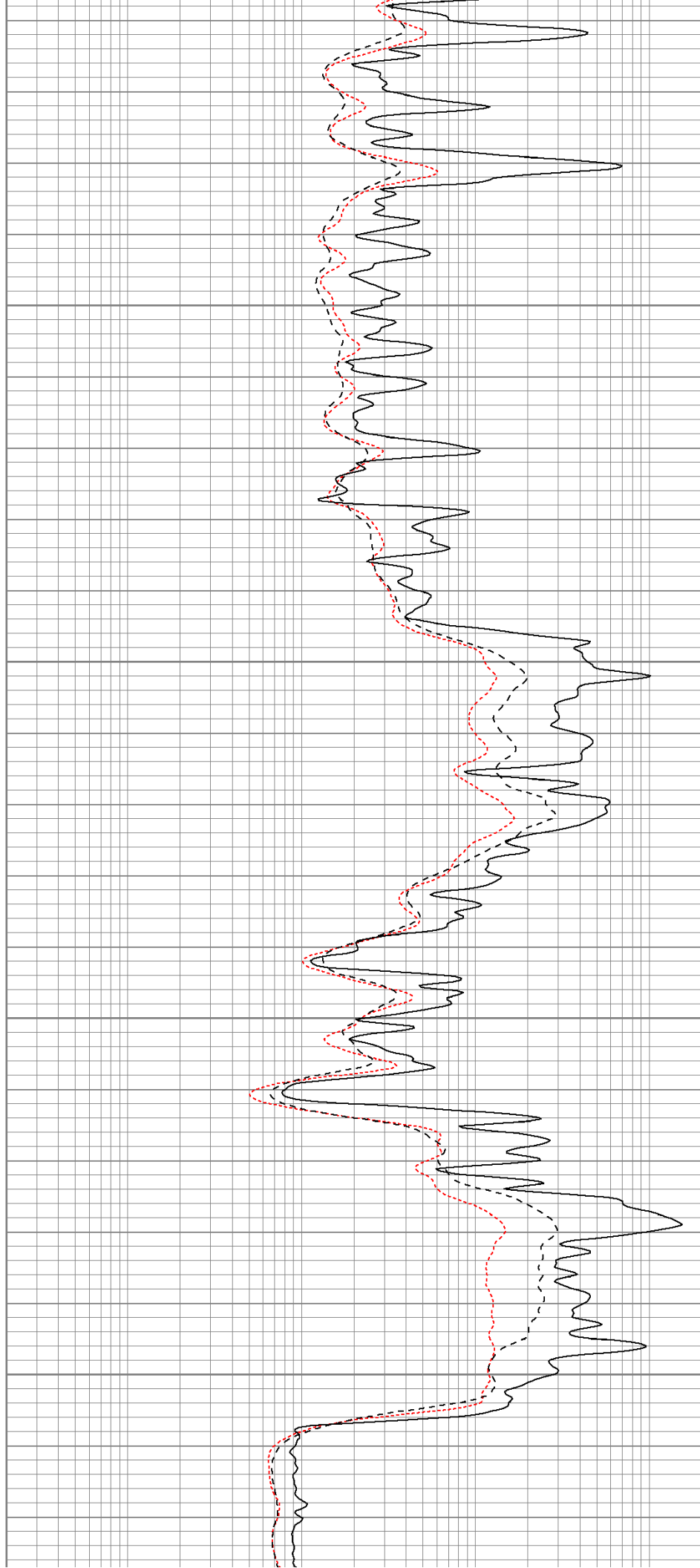


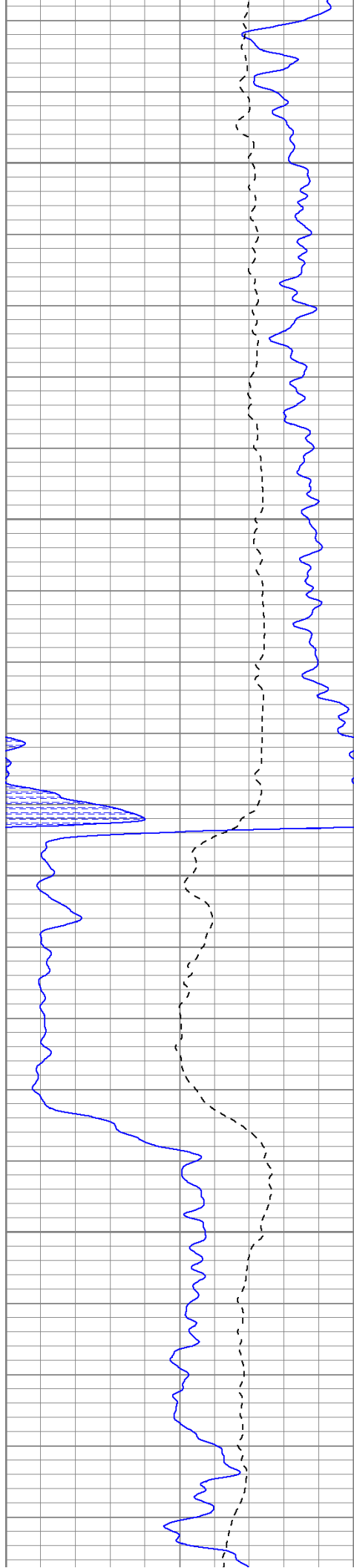
2500

2550

2600

2650



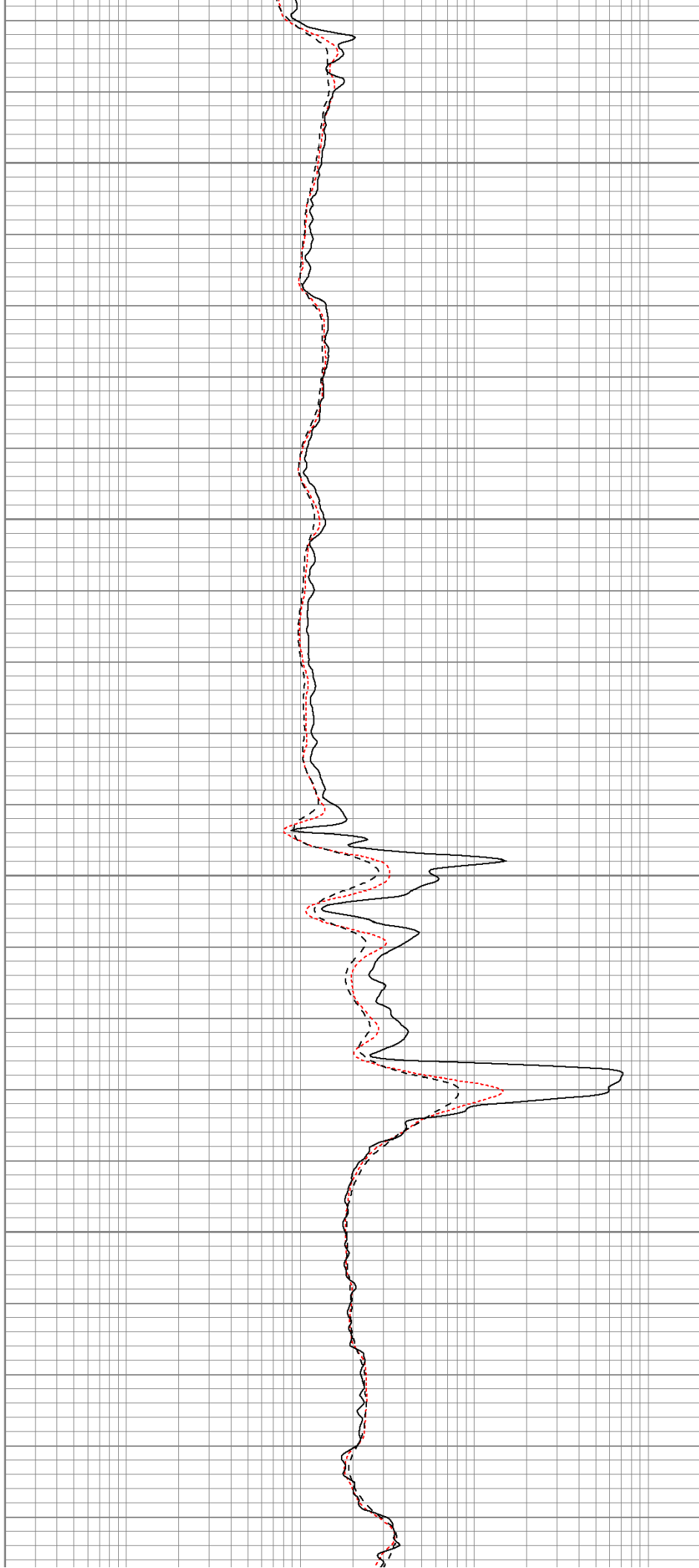


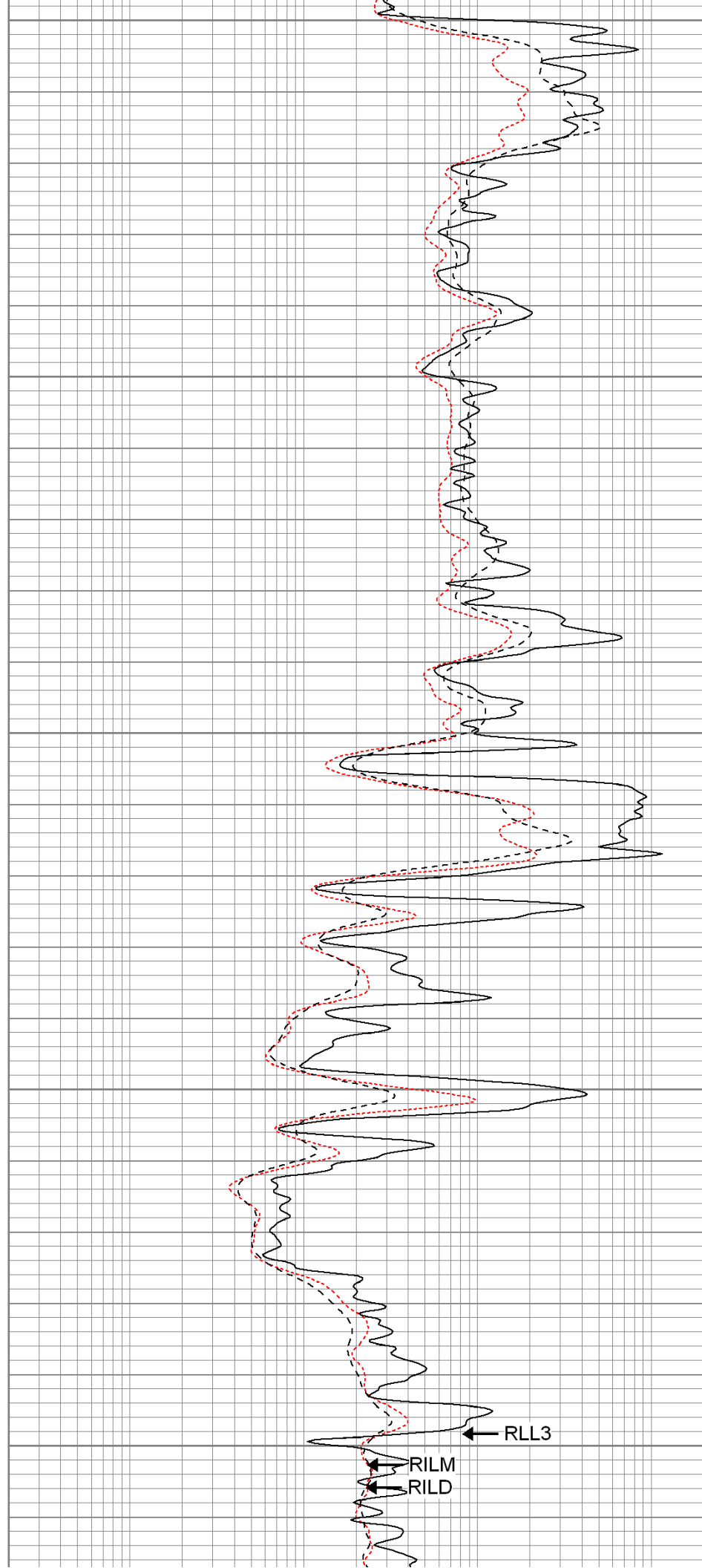
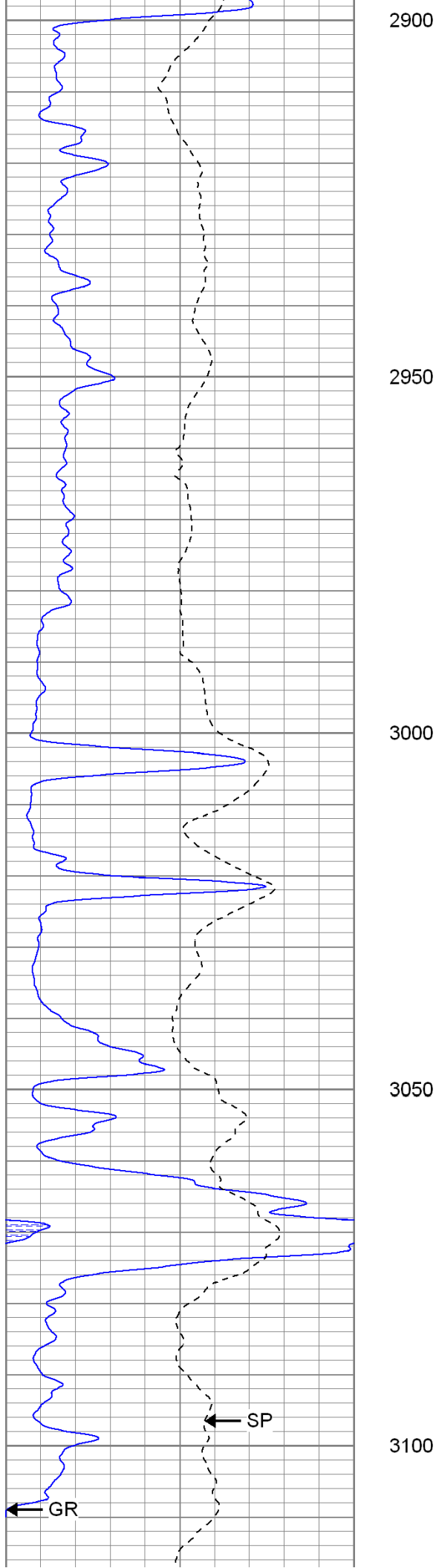
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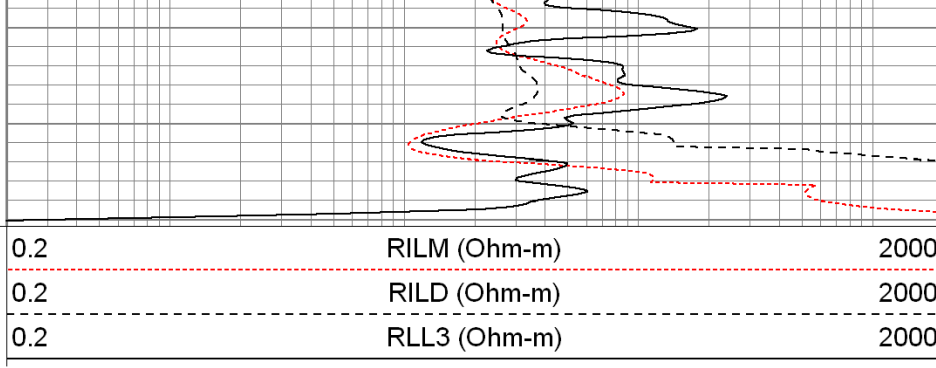
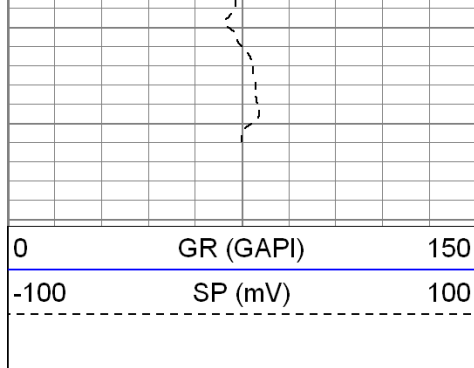
2750

2800

2850

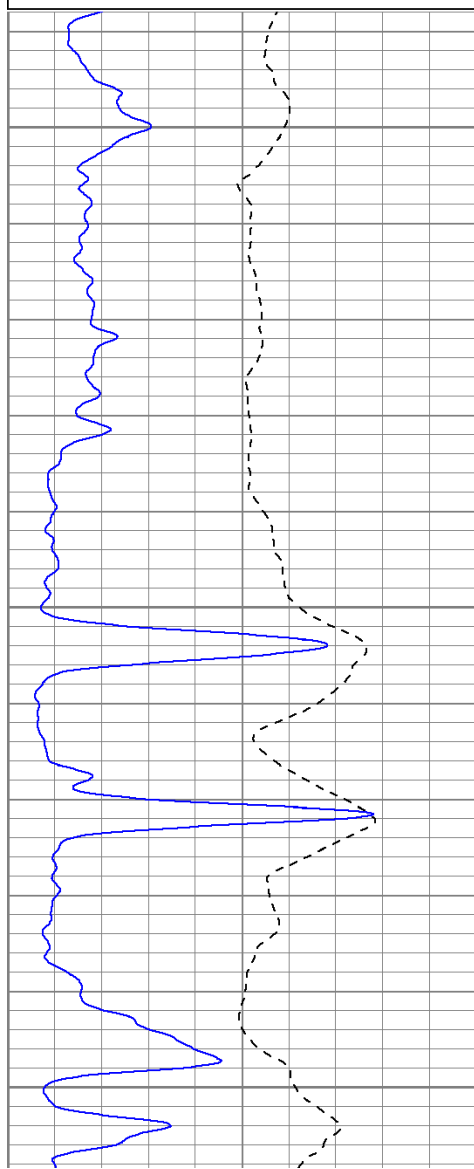
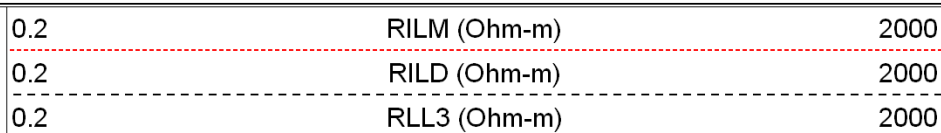
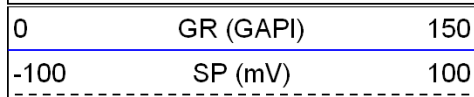






Repeat Pass

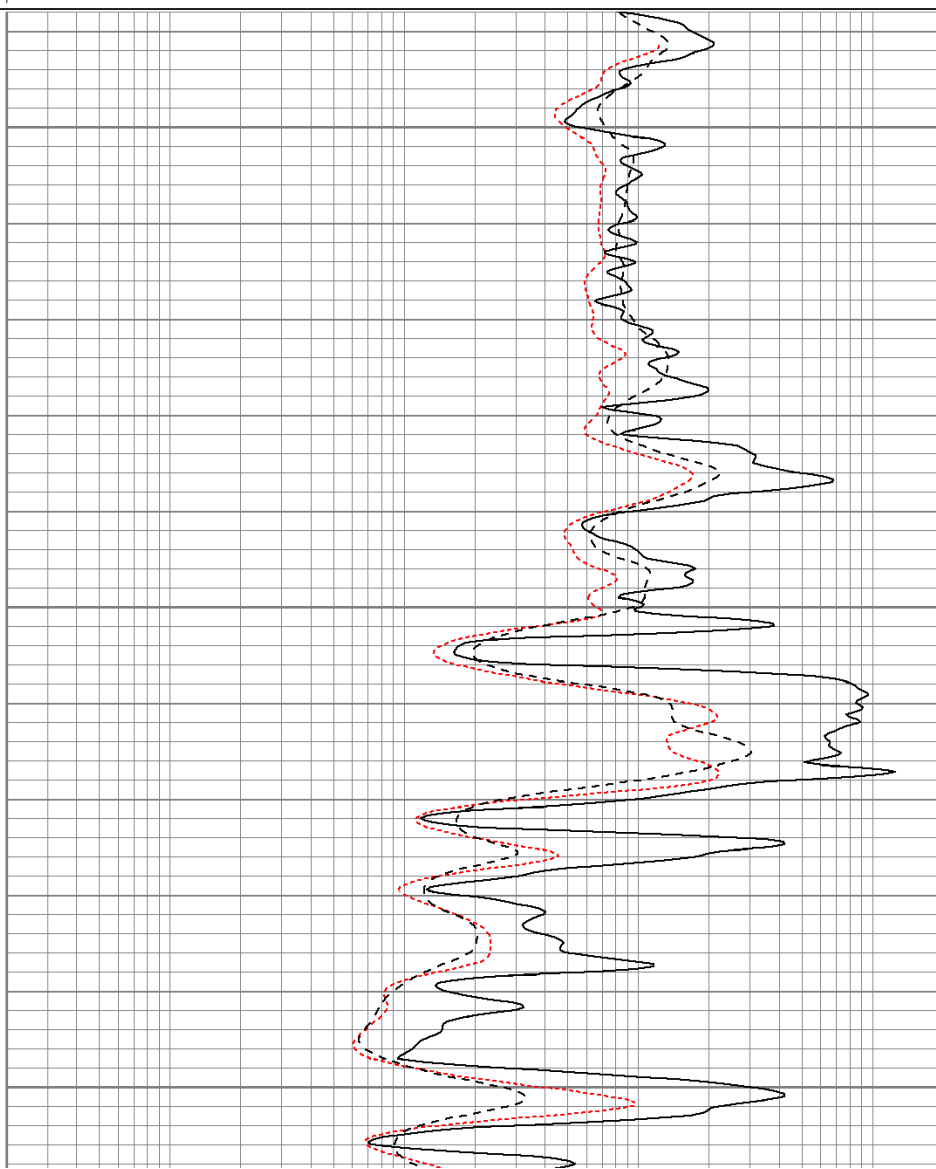
Database File: jofwaugha#1.db
Dataset Pathname: pass1.1
Presentation Format: kdil
Dataset Creation: Wed Oct 26 10:28:46 2011 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

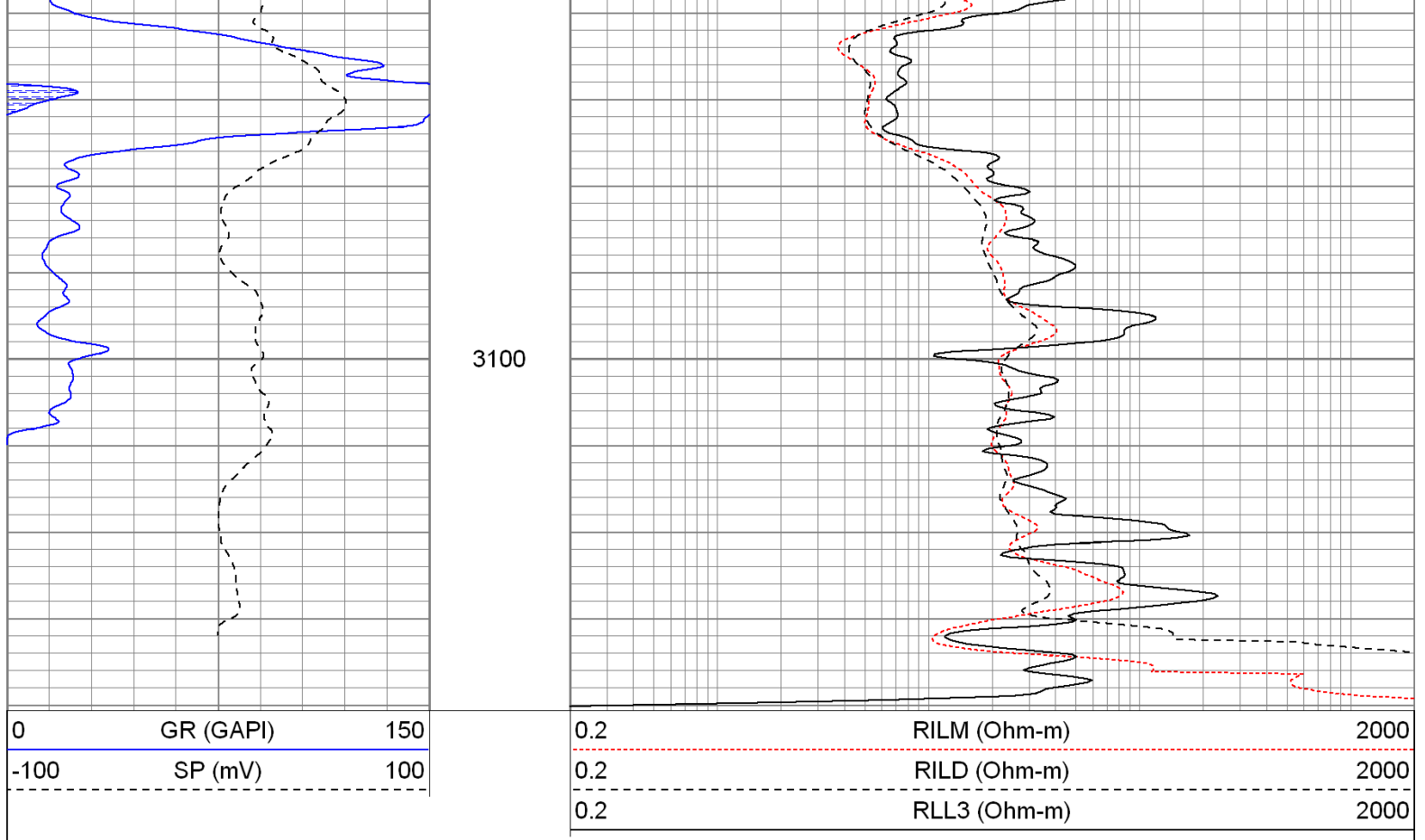


2950

3000

3050





Calibration Report

Database File: jofwaugha#1.db
 Dataset Pathname: pass1
 Dataset Creation: Wed Oct 26 10:02:33 2011 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 5375-G
 Surface Cal Performed: Thu Oct 20 12:47:11 2011
 Downhole Cal Performed: Thu Oct 20 12:47:50 2011

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.640	V	0.000	350.000	mmho/m	548.515	-0.941
Medium	0.005	0.741	V	0.000	400.000	mmho/m	543.569	-2.777
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.640	V	0.000	350.000	mmho/m	548.463	-1.028
Medium	0.005	0.742	V	0.000	550.000	mmho/m	746.572	-3.700

Downhole Calibration

Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.298	349.896	mmho/m	0.087	350.121	mmho/m	1.001	-0.211
Medium	0.040	400.070	mmho/m	-0.083	400.365	mmho/m	1.001	-0.123
Shallow	2.471	0.009	V	500.000	2.000	Ohm-m	180.293	0.157

Compensated Density Calibration Report

Serial-Model: 2388DHT-DHT
Source / Verifier: /
Master Calibration Performed: Mon Sep 26 12:42:46 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	688.93	303.28	cps
Aluminum	2.670	g/cc	128.53	194.02	cps
Spine Angle = 75.10			Density/Spine Ratio = 0.530		
	Size		Reading		
Small Ring	8.15	in	5771.32		
Large Ring	14.00	in	10165.20		

Gamma Ray Calibration Report

Serial Number: 2000
Tool Model: P2000
Performed: Sun Oct 23 08:45:30 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2200 GAPI/cps

Neutron Calibration Report

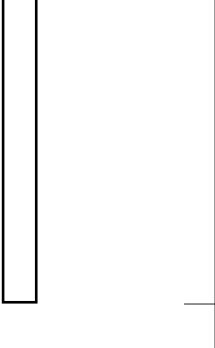
Serial Number: 5108
Tool Model: PROBE
Performed: Wed Oct 19 06:16:06 2011

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
NEU	37.96		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00
			CDL-DHT (2388DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					

CILD	10.60		DIL-G (5375) Gearhart	21.47	4.00	345.00
SP	10.60					
CILM	6.89					
RLL3	1.70					
Dataset: jofwaugh#1.db: field/well/run1/pass1 Total Length: 40.49 ft Total Weight: 676.00 lb O.D. 4.00 in						