

DUAL INDUCTION LOG

Company		Mikol Oil LLC	
Well		Marston #1A-27	
Field		Unnamed	
County		Rooks	
State		Kansas	
Location:		API # : 15 163 23938	
SEC 27 TWP 10S RGE 17W		515' FNL & 568' FEL	
Permanent Datum		Ground Level	
Log Measured From		KB 8' AGL	
Drilling Measured From		KB	
Elevation		2065'	
K.B. 2073'		D.F. 2072'	
G.L. 2065'			
Date		4-5-11	
Run Number		One	
Depth Driller		3725'	
Depth Logger		3725'	
Bottom Logged Interval		3723'	
Top Log Interval		200'	
Casing Driller		223'	
Casing Logger		223'	
Bit Size		7 7/8"	
Type Fluid in Hole		Chemical	
Density / Viscosity		9.2/52	
pH / Fluid Loss		9.0/8.8	
Source of Sample		Pit	
Rm @ Meas. Temp		1.4@70degf	
Rmf @ Meas. Temp		1.12@70degf	
Rmc @ Meas. Temp		2.31@70degf	
Source of Rmf / Rmc		Calculated	
Rm @ BHT		.88@112degf	
Time Circulation Stopped		7:30 p.m.	
Time Logger on Bottom		9:45 p.m.	
Maximum Recorded Temperature		112degf	
Equipment Number		T045	
Location		Hays, KS	
Recorded By		L. Smith	
Witnessed By		Mr. Ed Glassman	

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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

183 N, E on BB road to T, S to location.

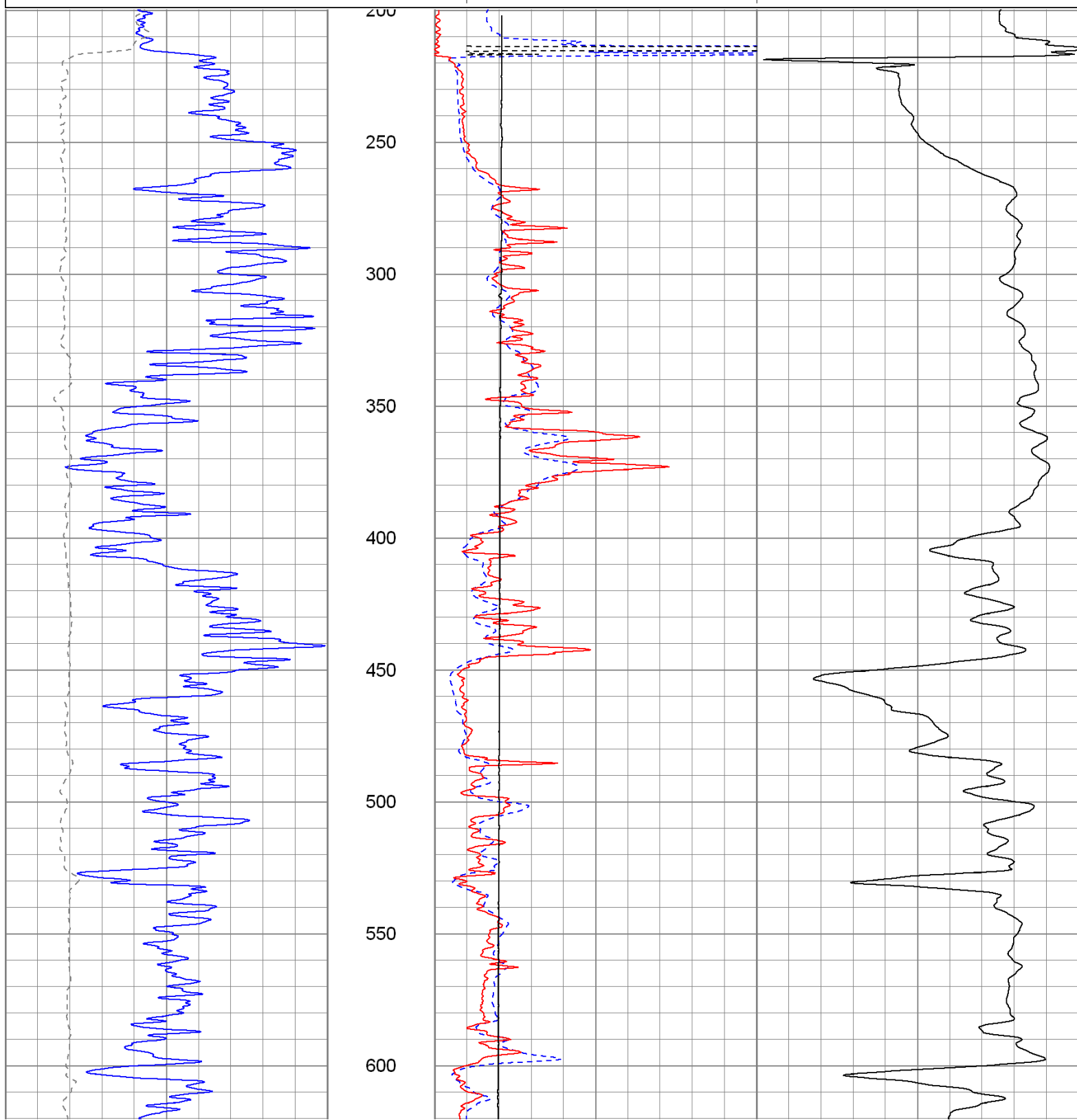
Thanks for using The Perforators LLC
785-621-4604

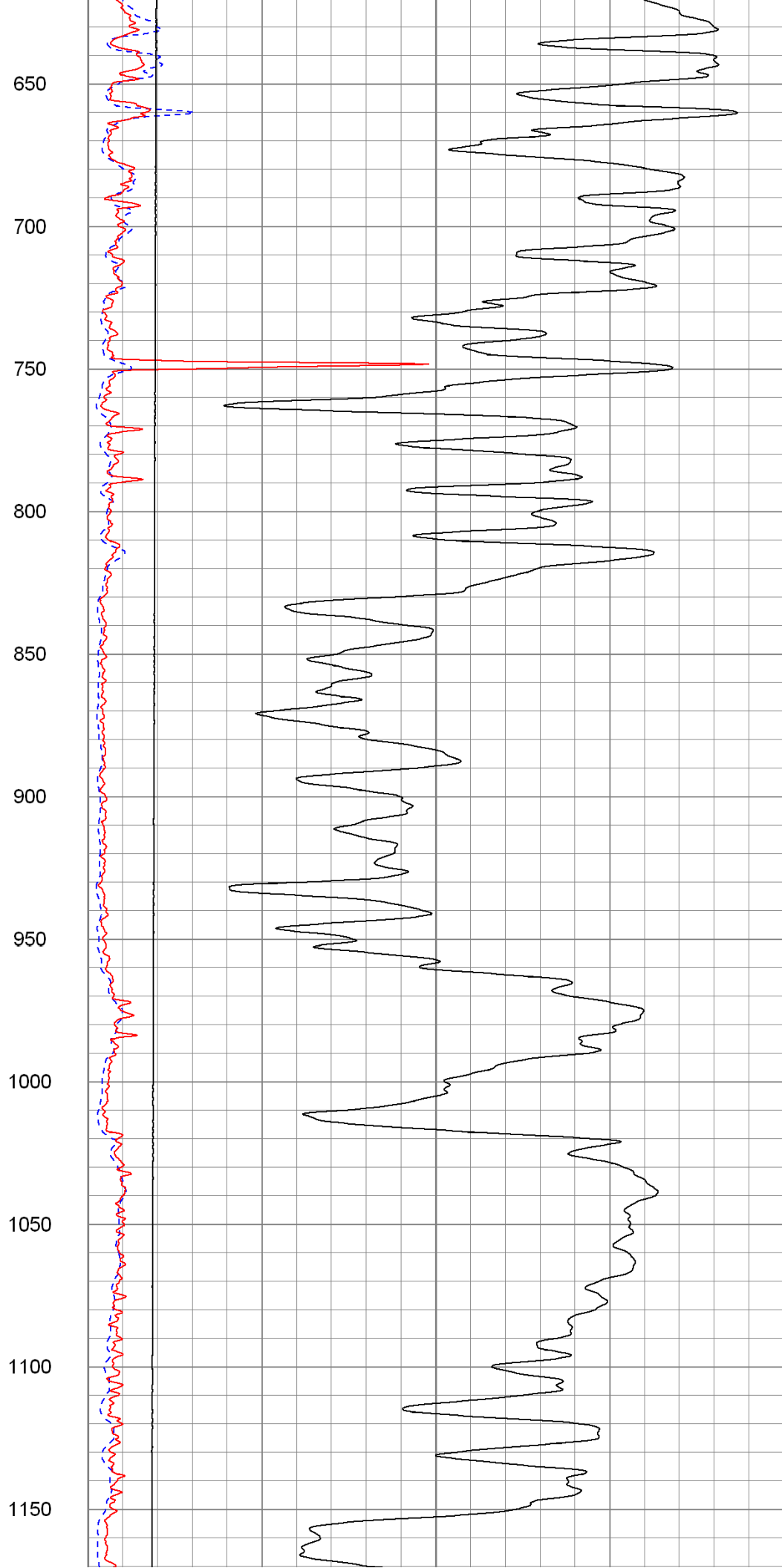
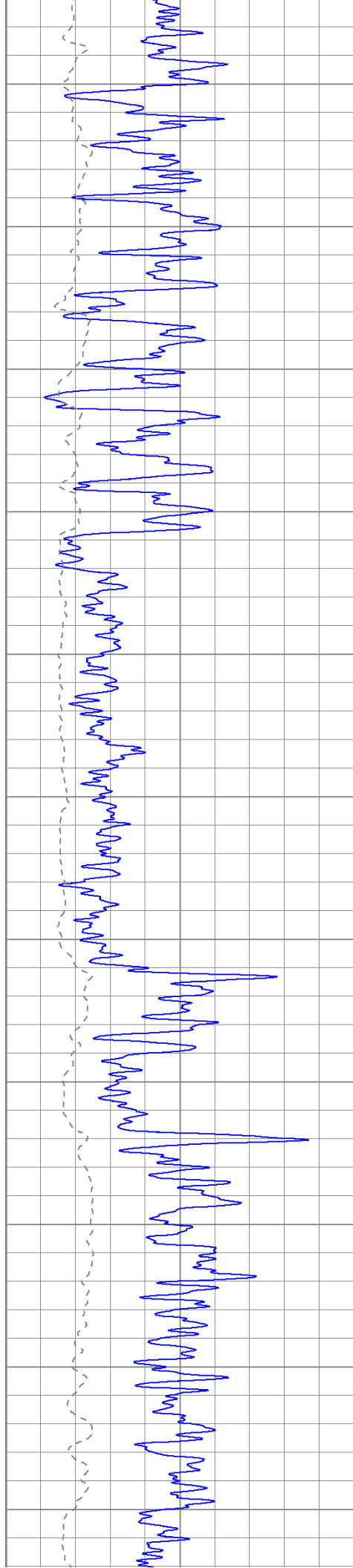


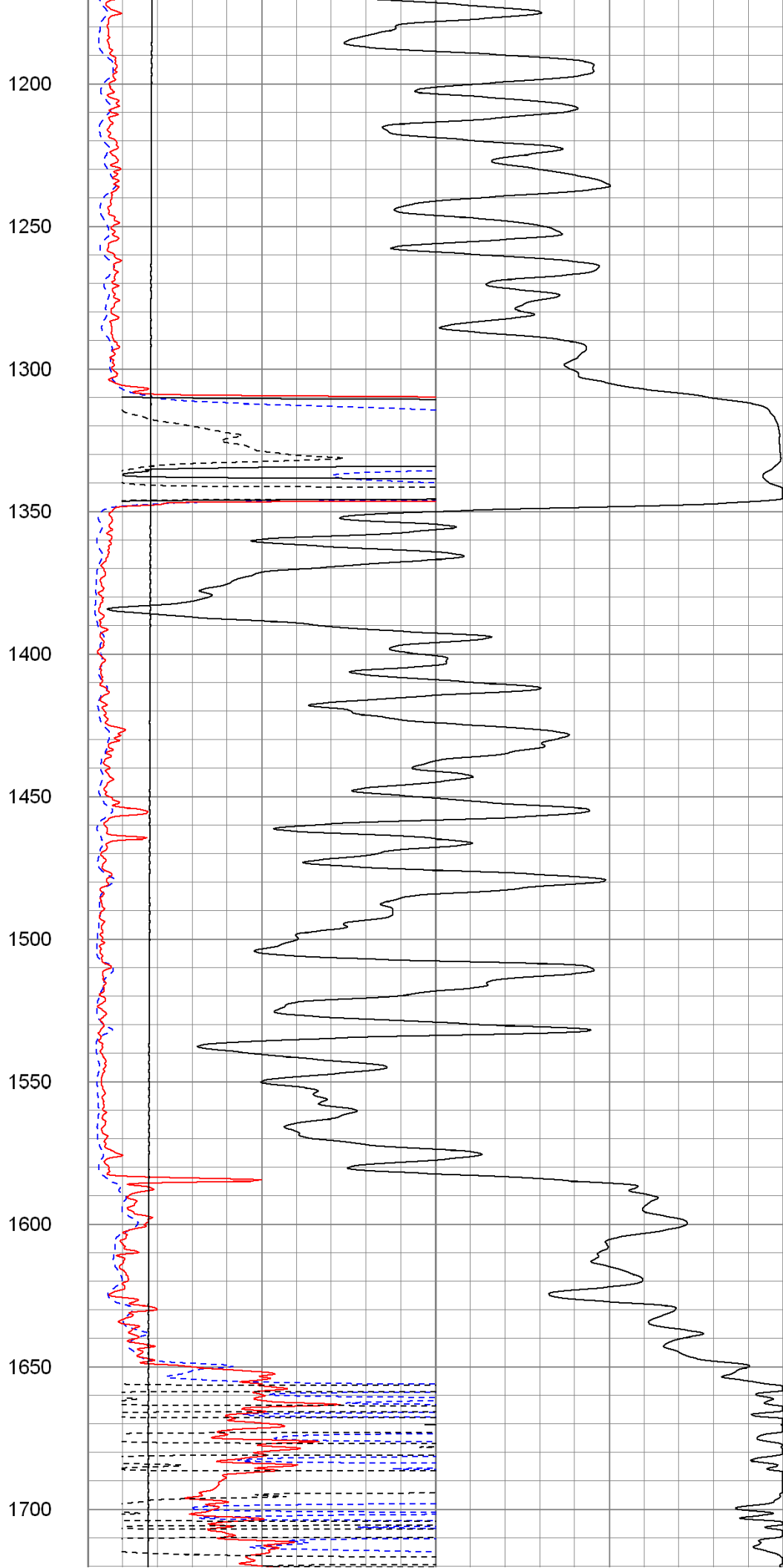
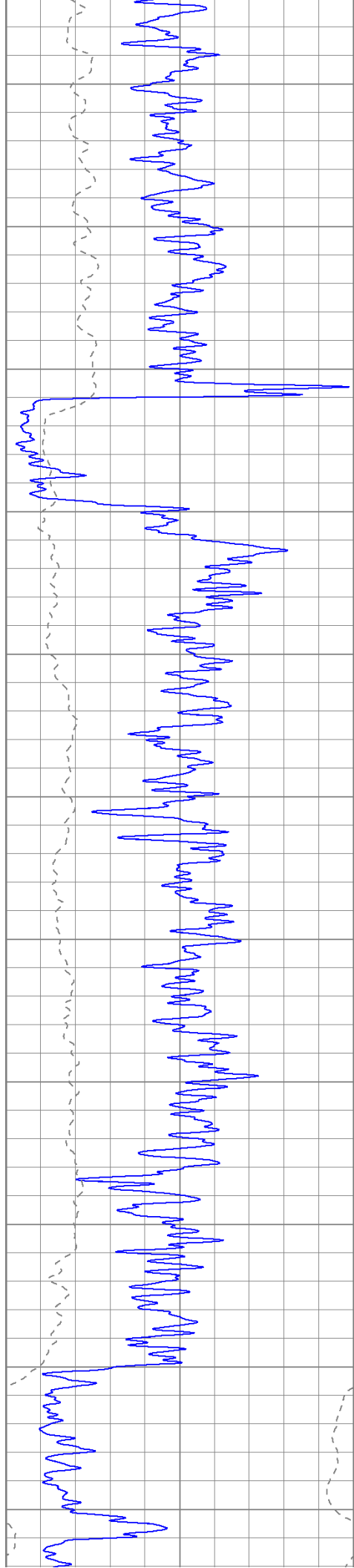
Main Pass

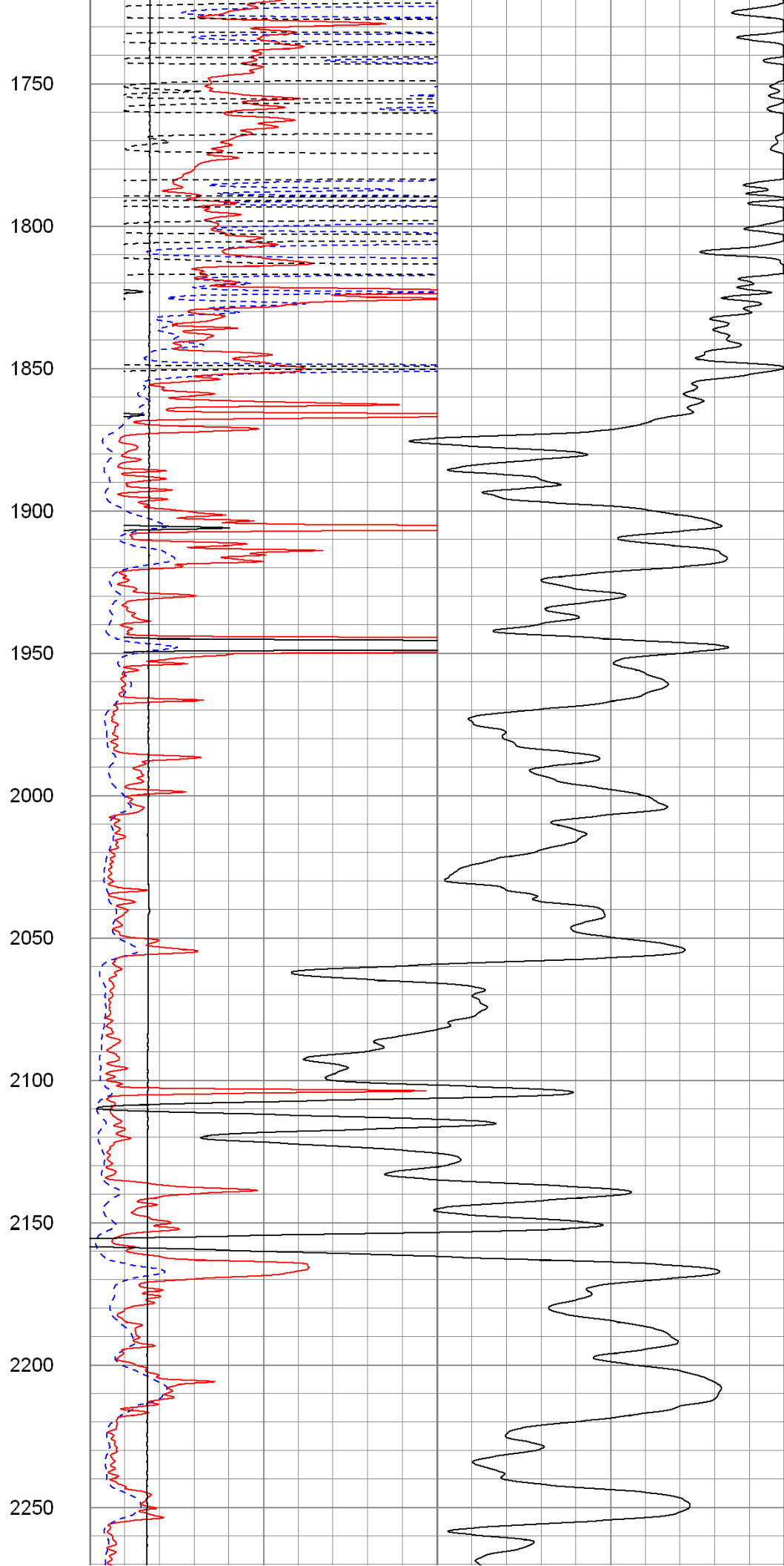
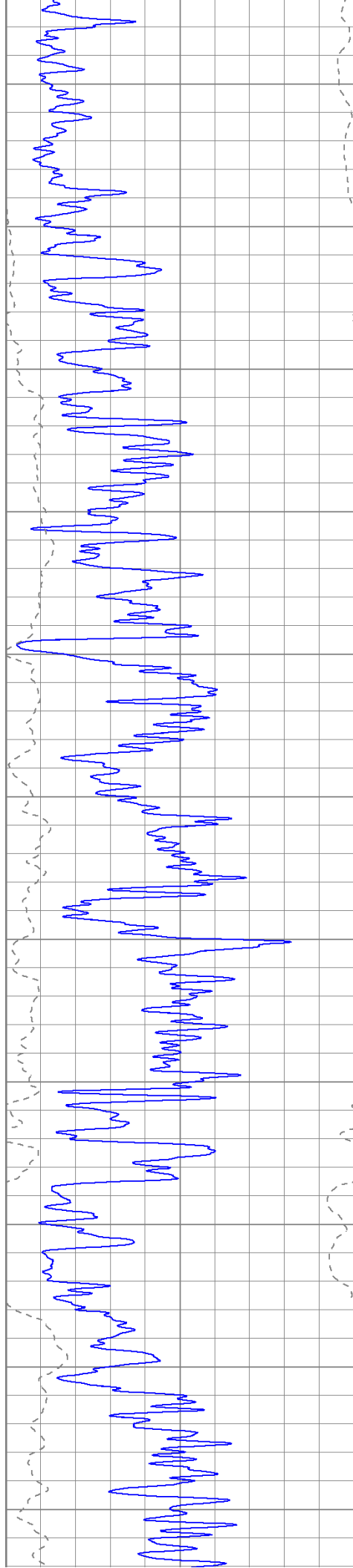
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 Dataset Pathname: pass2
 Presentation Format: kdrillin2
 Dataset Creation: Tue Apr 05 23:00:30 2011 by Log Open-Cased 100827
 Charted by: Depth in Feet scaled 1:600

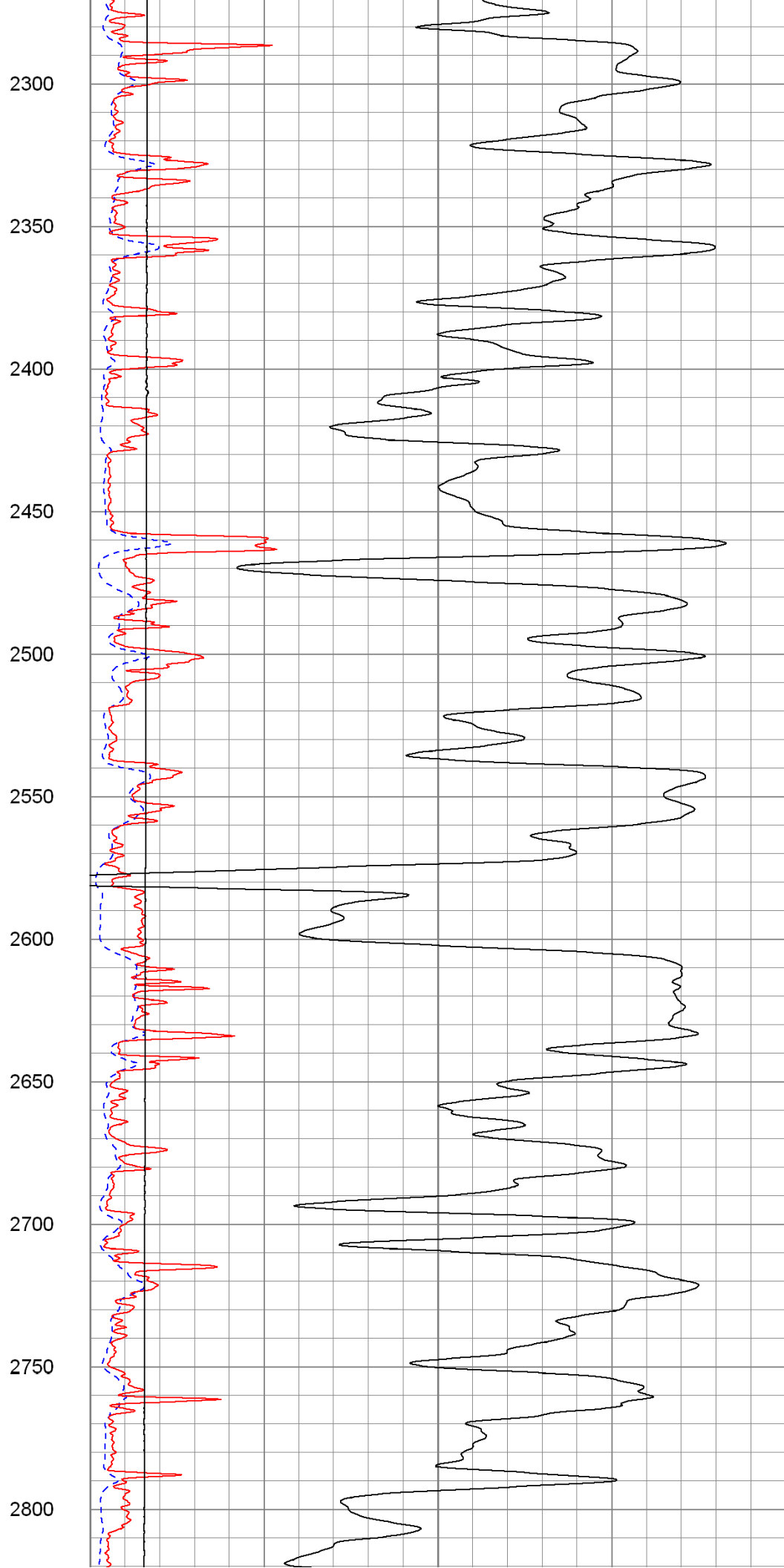
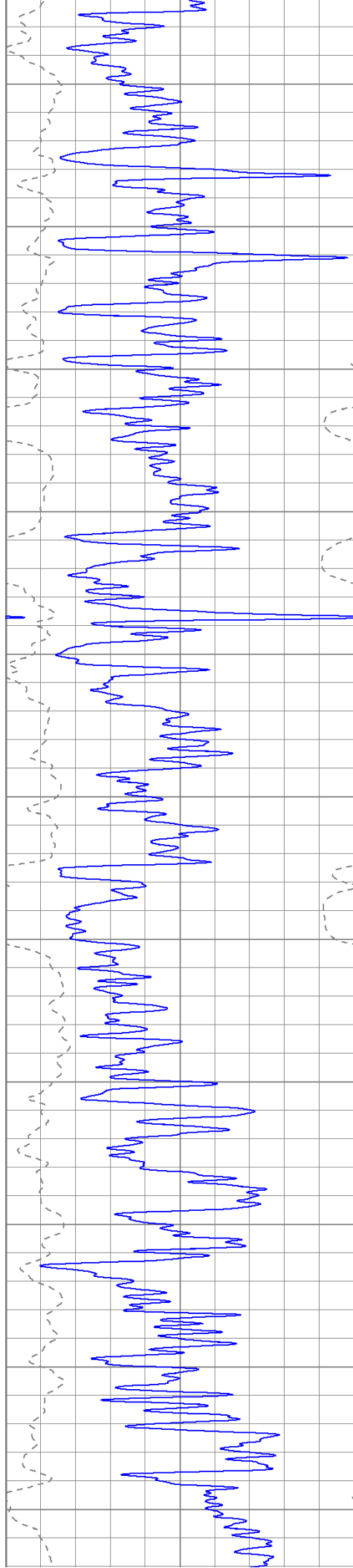
0	GR (GAPI)	150	0	RILD (Ohm-m)	50	
-200	SP (mV)	0	0	RLL3 (Ohm-m)	50	
1000						CILD (mmho/m) 0
10000						LTEN (lb) 0
50						RILD x 10 (Ohm-m) 500
50						RLL3 x 10 (Ohm-m) 500

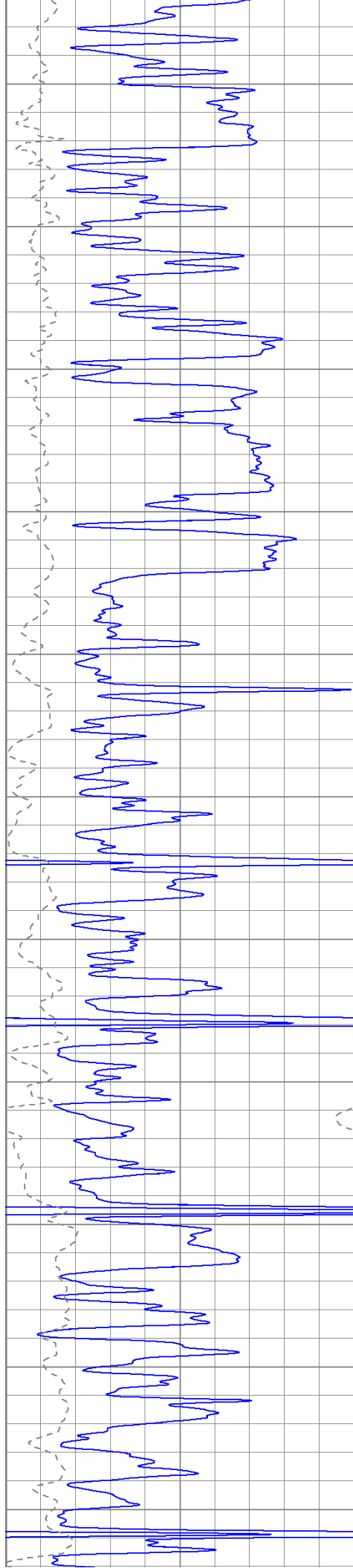












2850

2900

2950

3000

3050

3100

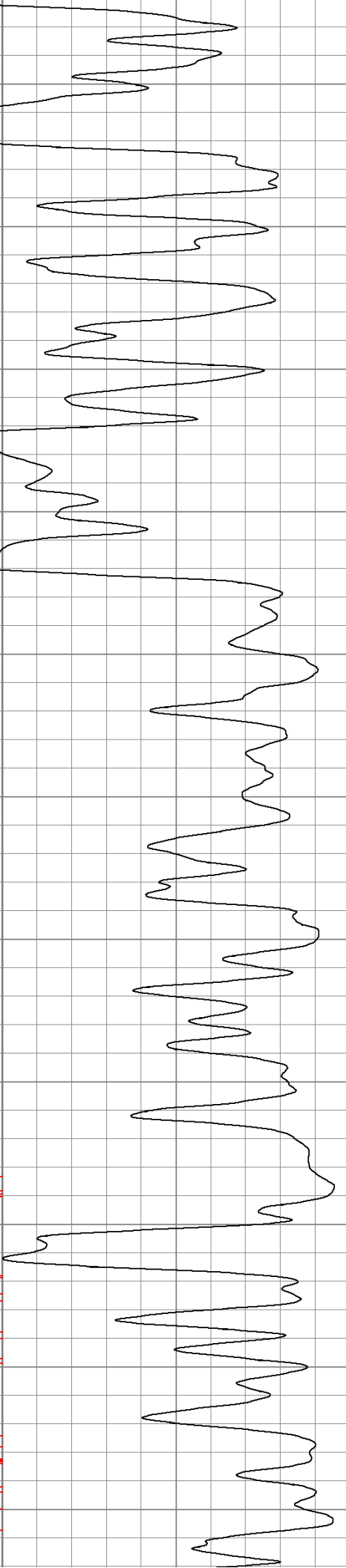
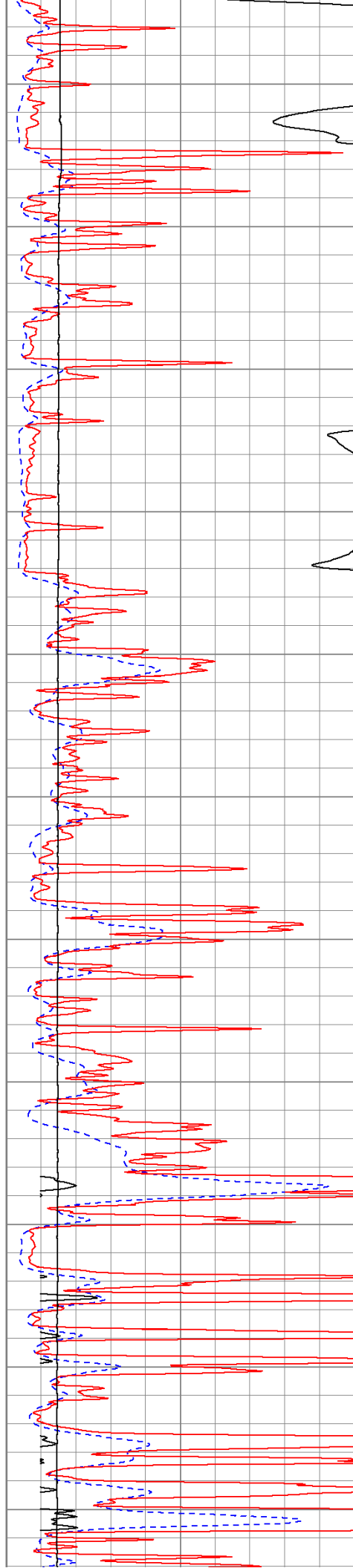
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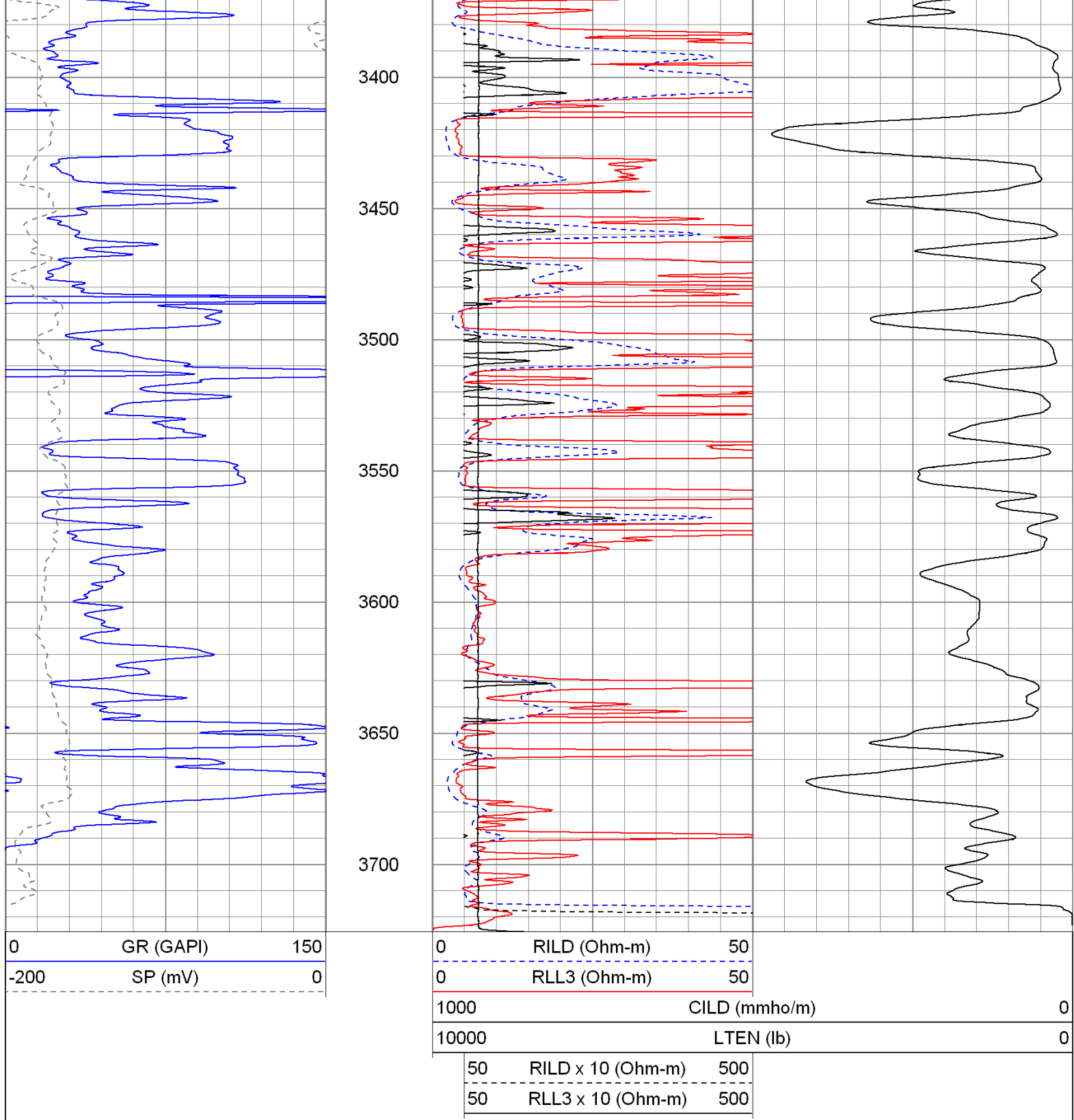
3200

3250

3300

3350



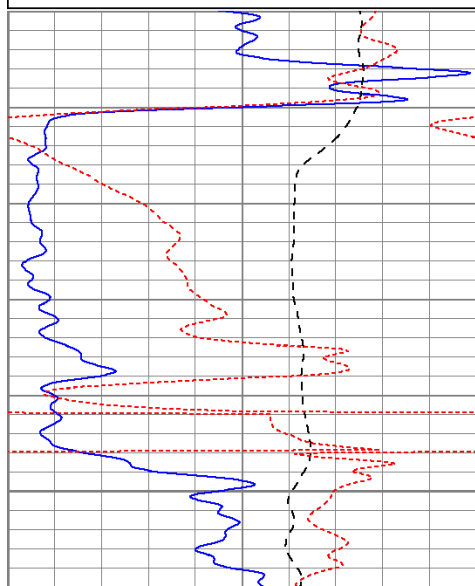


Main Pass

Database File: marston#1a-27.db
 Dataset Pathname: pass2
 Presentation Format: kdil
 Dataset Creation: Tue Apr 05 23:00:30 2011 by Log Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240

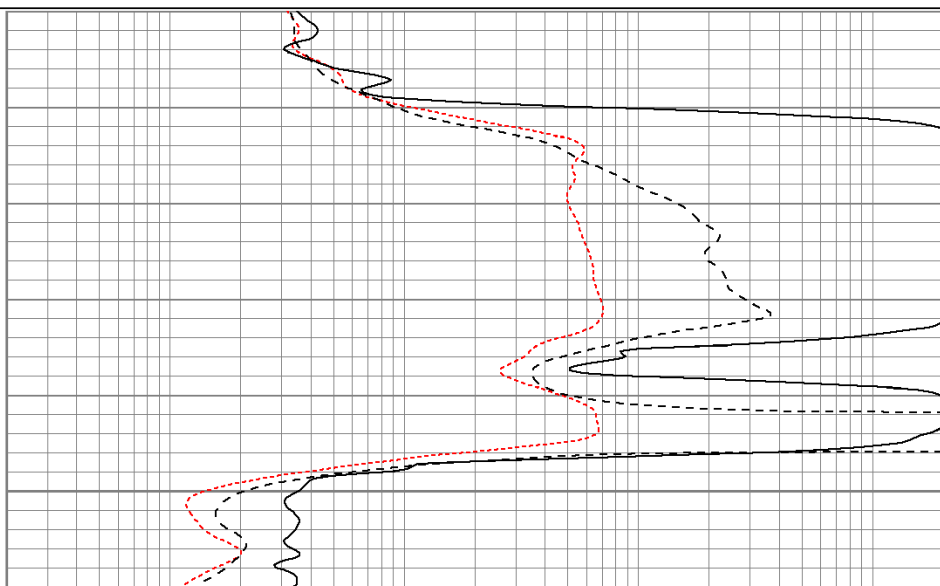


-100	SP (mV)	100
-160	RXO\RT	40



0	GR (GAPI)	150
-100	SP (mV)	100
-160	RXO\RT	40

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



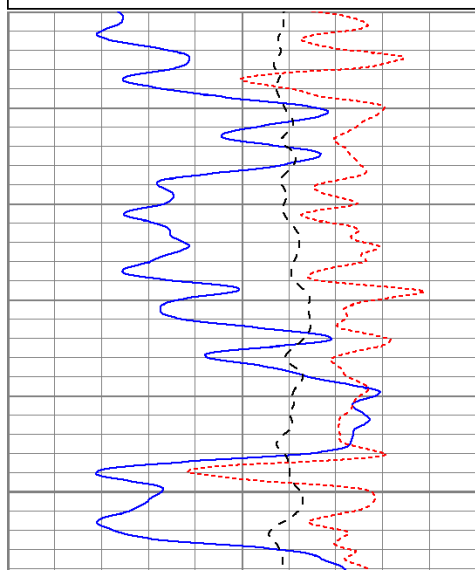
0.2	RILM (Ohm-m)	2000
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000



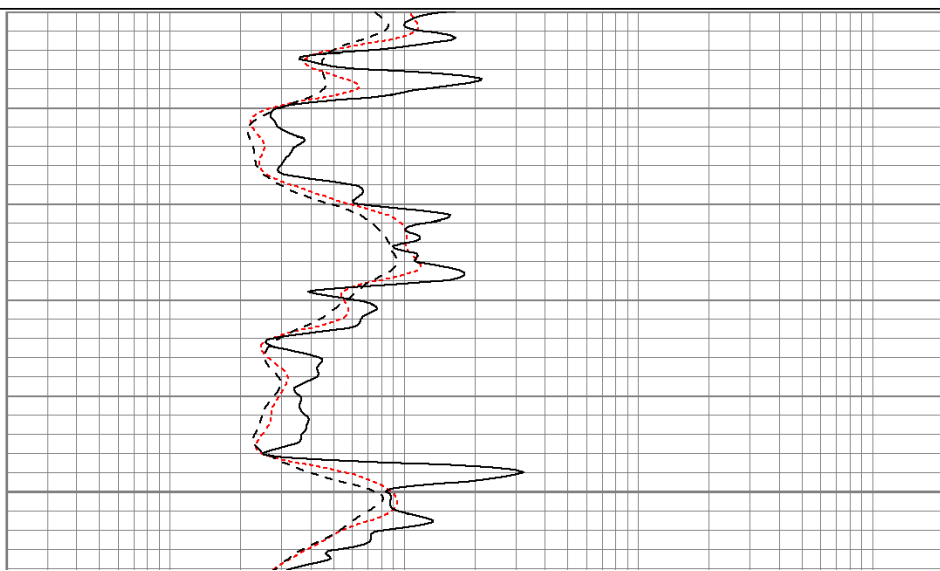
Main Pass

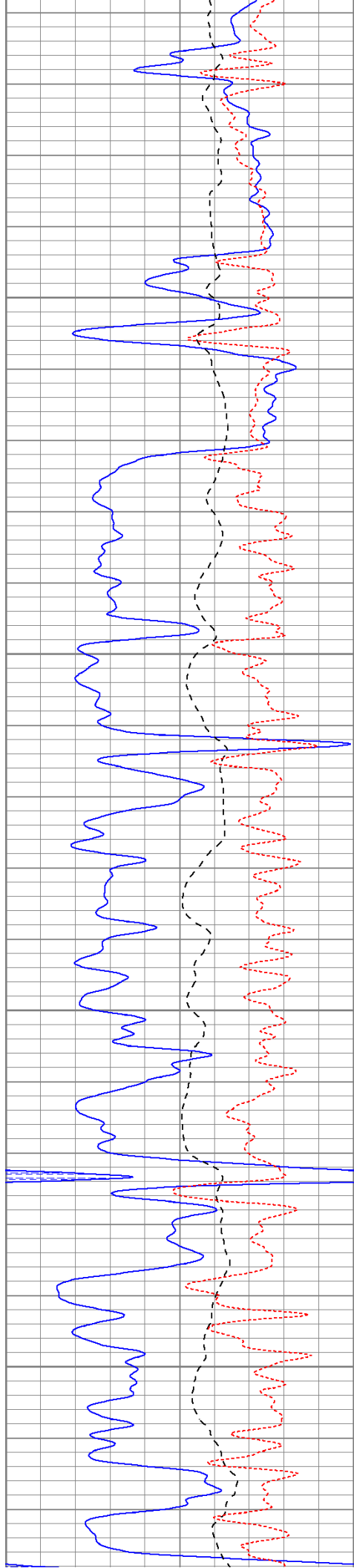
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Dataset Pathname: pass2
Presentation Format: kdil
Dataset Creation: Tue Apr 05 23:00:30 2011 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100
-160	RXO\RT	40



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



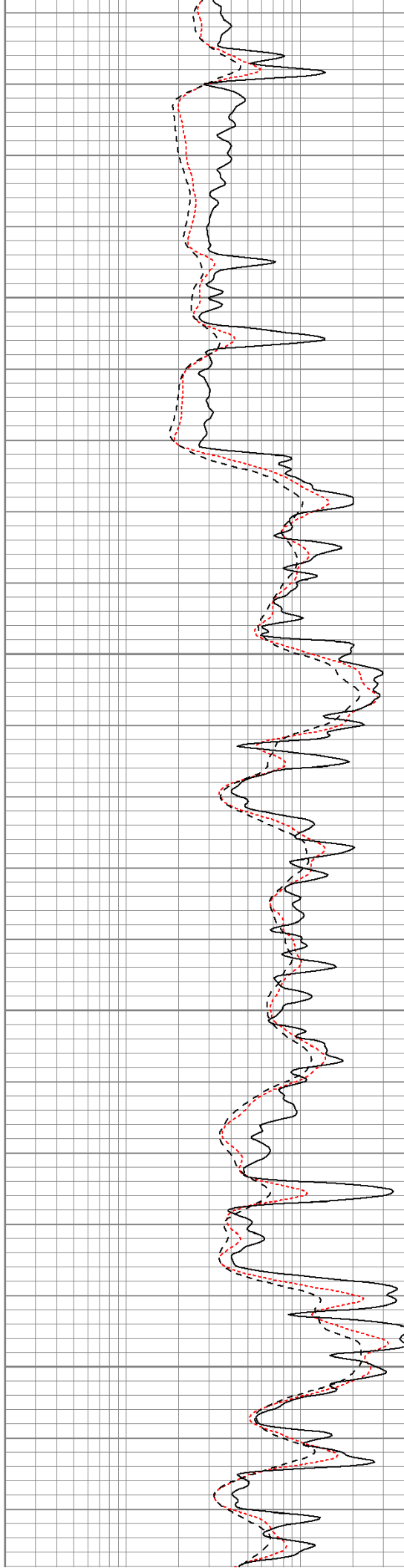


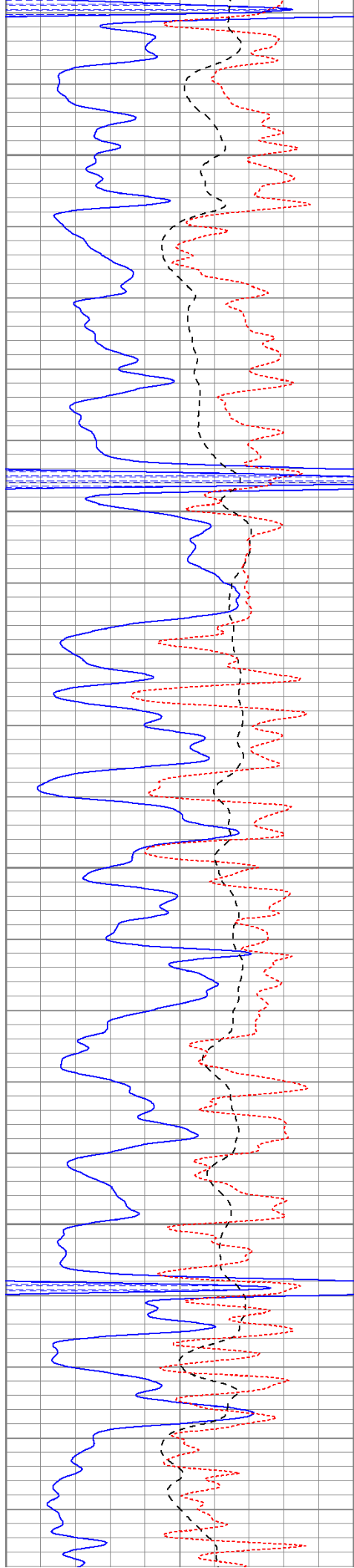
3000

3050

3100

3150



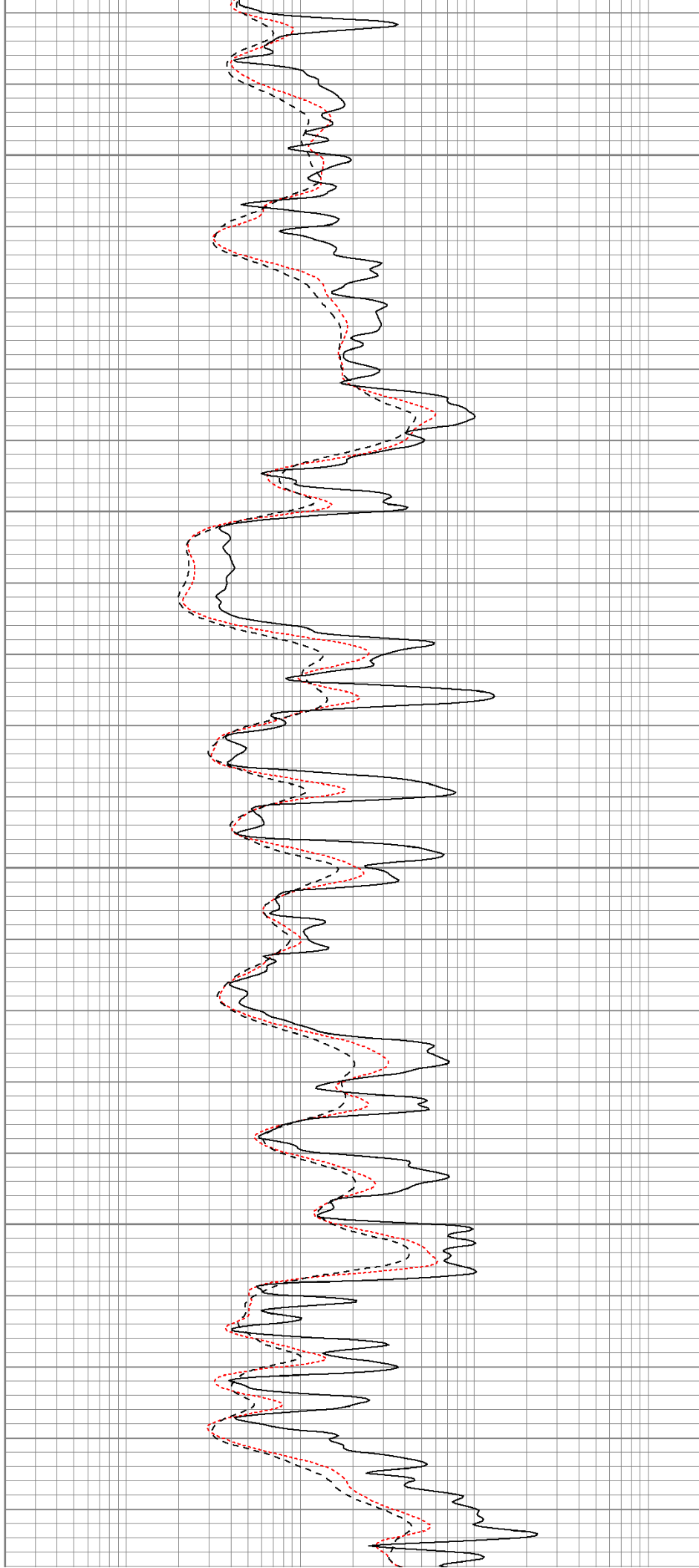


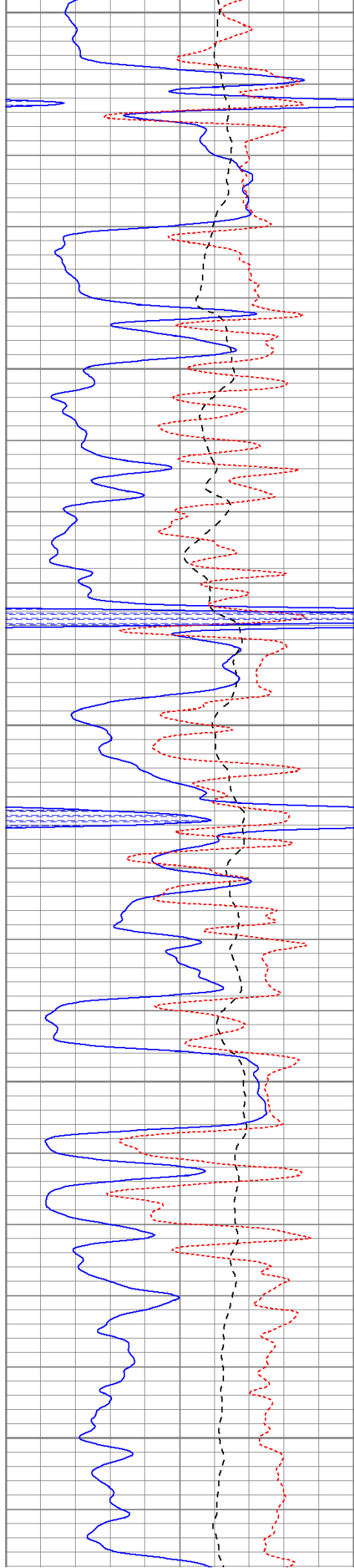
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3250

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3350





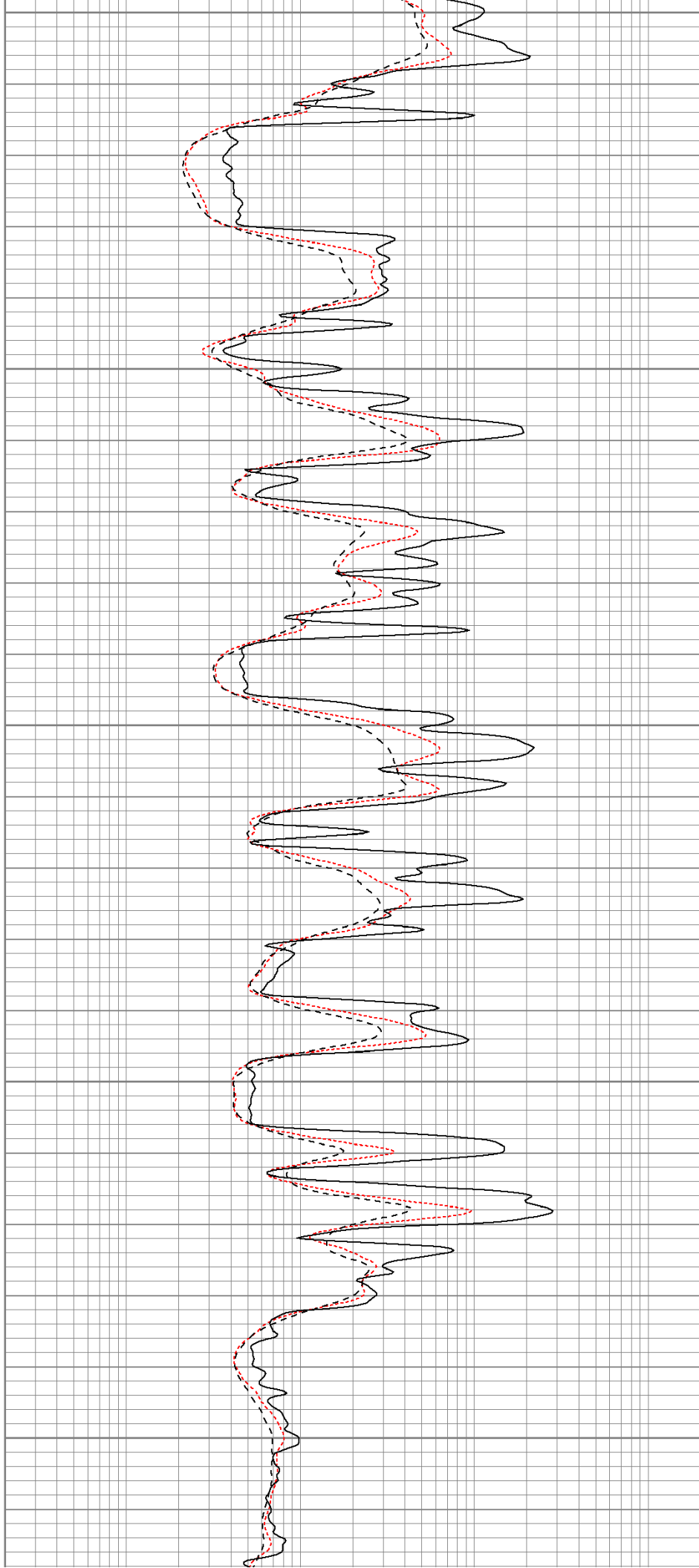
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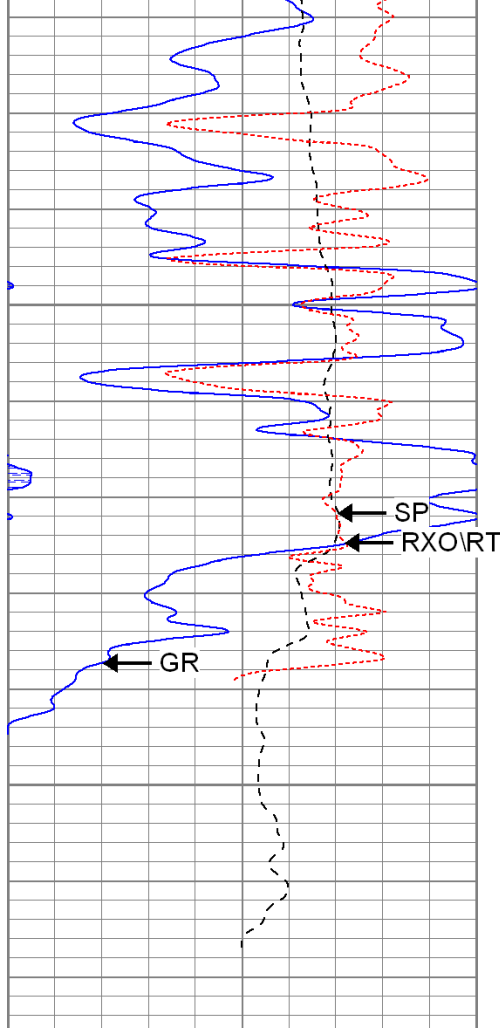
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3500

3550

3600

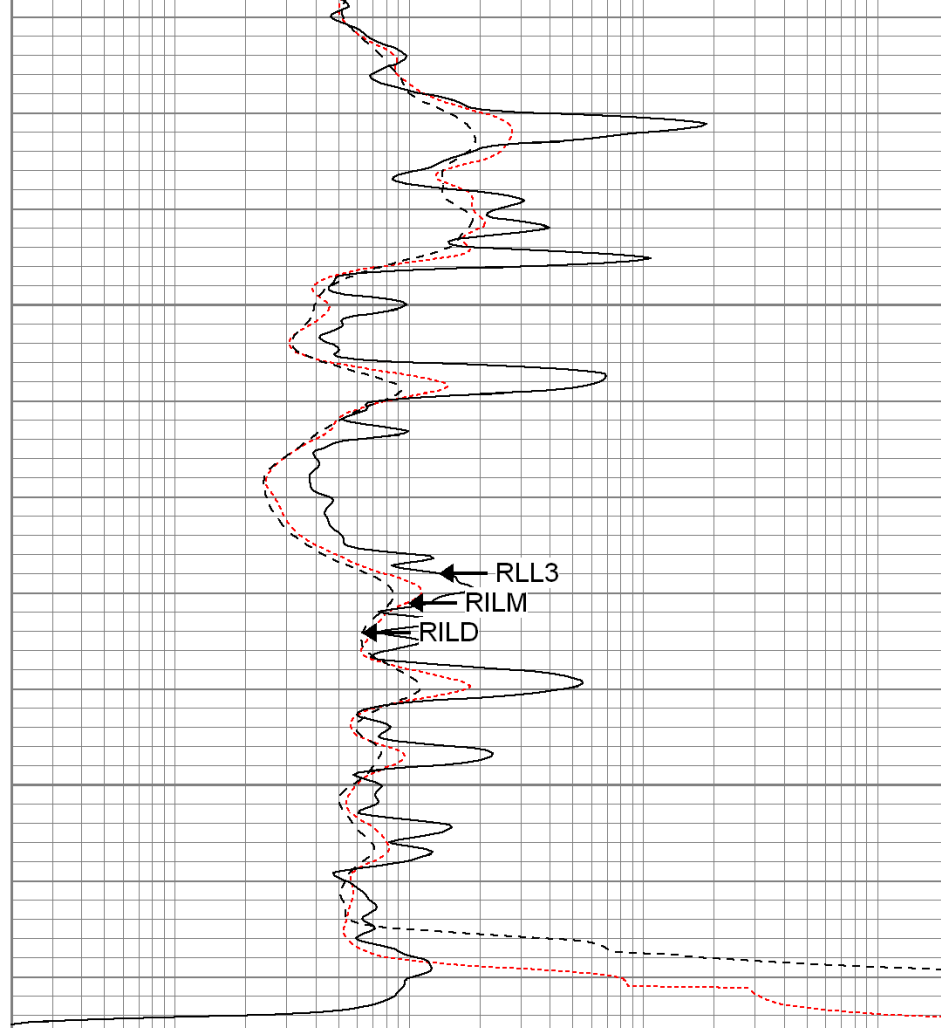




0	GR (GAPI)	150
-100	SP (mV)	100
-160	RXO\RT	40

3650

3700



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

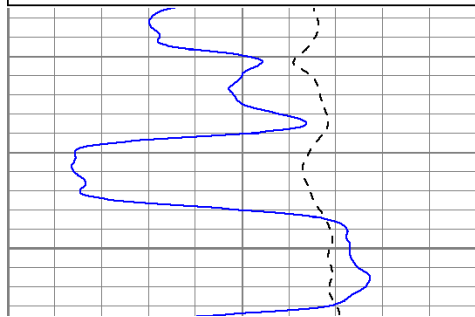


Repeat Pass

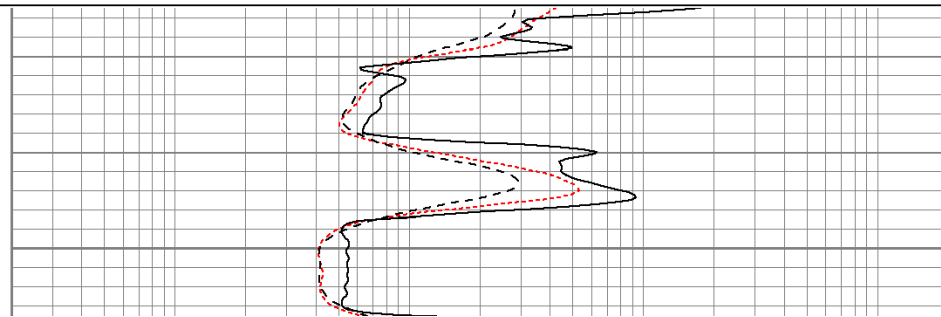
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 Charted by: Depth in Feet scaled 1:240

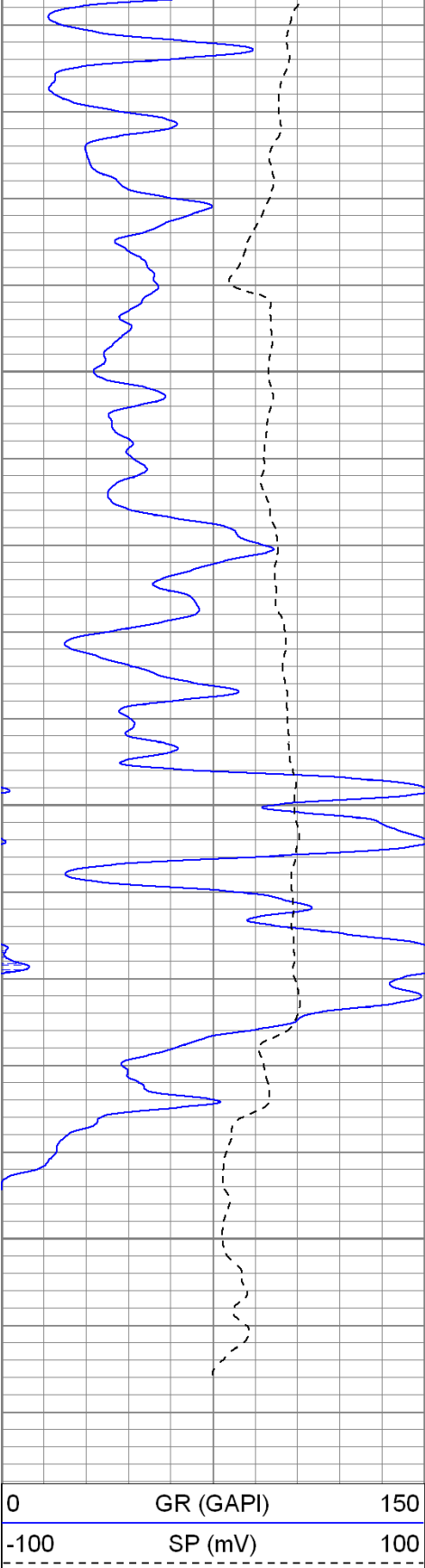
0	GR (GAPI)	150
-100	SP (mV)	100

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



3550

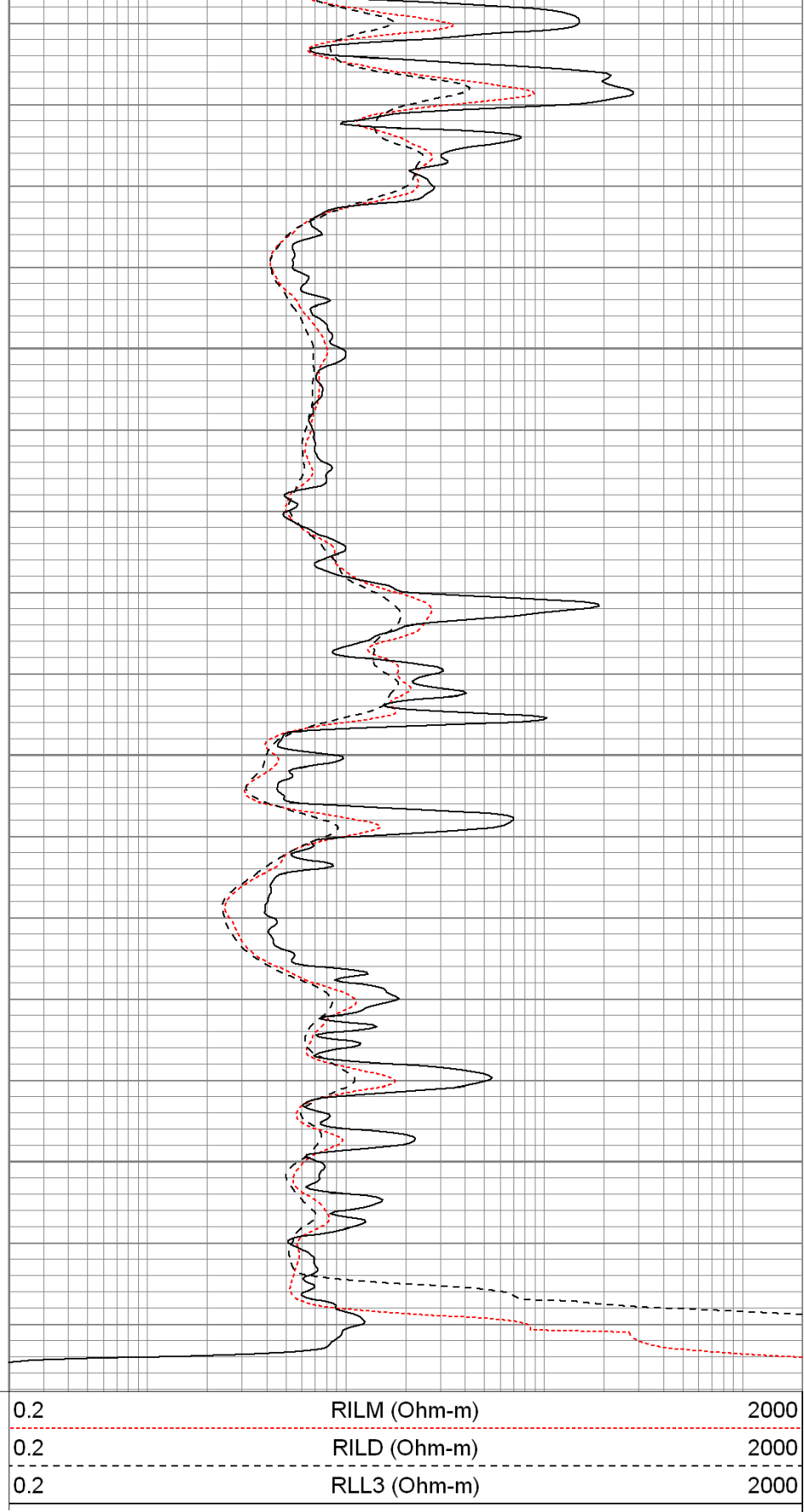




3600

3650

3700



Calibration Report

Database File: marston#1a-27.db
Dataset Pathname: pass2
Dataset Creation: Tue Apr 05 23:00:30 2011 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 5375-G
Time: 15 11 22 2011

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.608	V	0.000	350.000	mmho/m	577.488	-0.892
Medium	0.003	0.741	V	0.000	400.000	mmho/m	542.552	-1.894
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.608	V	0.000	350.000	mmho/m	577.209	-0.793
Medium	0.003	0.742	V	0.000	550.000	mmho/m	745.017	-2.496

Downhole Calibration

Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.335	349.655	mmho/m	-0.099	350.070	mmho/m	1.002	-0.434
Medium	0.166	400.176	mmho/m	-0.076	400.457	mmho/m	1.001	-0.242
Shallow	2.471	0.009	V	500.000	2.000	Ohm-m	202.295	0.191

Compensated Density Calibration Report

Serial-Model: 2388DHT-DHT
Source / Verifier: /
Master Calibration Performed: Mon Mar 07 14:48:50 2011

Master Calibration

	Density			Far Detector	Near Detector	
Magnesium	1.750	g/cc		704.95	309.55	cps
Aluminum	2.620	g/cc		144.73	200.15	cps
Spine Angle = 74.60				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: Mon Mar 07 14:49:33 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

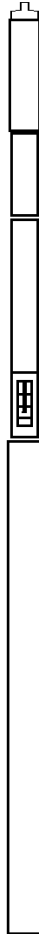
Sensitivity: 0.2200 GAPI/cps

Neutron Calibration Report

Serial Number: 5108
Tool Model: PROBE
Performed: Mon Mar 28 13:28:28 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	
LSD	23.78			CDL-DHT (2388DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
DCAL	23.49						
SSD	23.24						
HEADVOLT	21.47						
CILD SP	10.60 10.60			DIL-G (5375) Gearhart	21.47	4.00	345.00
CILM	6.89						
RLL3	1.70						
Dataset: marston#1a-27.db: field/well/run1/pass2 Total Length: 40.49 ft Total Weight: 676.00 lb O.D. 4.00 in							