



DUAL INDUCTION LOG

Company		BECKER OIL CORPORATION	
Well		OTTLEY NO. 1	
Field		CAMPUS SIDING NORTH	
County		THOMAS	
State		KANSAS	
Location:		API #: 15-193-20,959-00-00	
Permanent Datum		GROUND LEVEL Elevation 2910'	
Log Measured From		KELLY BUSHING	
Drilling Measured From		KELLY BUSHING	
SEC 36 TWP 10S RGE 31W		CNL/CDL MEL	
1,200' FNL & 335' FWL		Elevation K.B. 2915' D.F. N/A G.L. 2910'	
Date	10/25/2015		
Run Number	ONE		
Depth Driller	4625'		
Depth Logger	4625'		
Bottom Logged Interval	4624'		
Top Log Interval	200'		
Casing Driller	8.625" @ 220'		
Casing Logger	217'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	2000		
Density / Viscosity	9.4 59		
pH / Fluid Loss	10.0 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	.96 @ 74		
Rmt @ Meas. Temp	.72 @ 74		
Rmc @ Meas. Temp	1.30 @ 74		
Source of Rmt / Rmc	Charts		
Rm @ BHT	.58 @ 122		
Operating Rig Time	2 1/2 HOURS		
Max Rec. Temp. F	122		
Equipment Number	108		
Location	Hays		
Recorded By	J. LONG		
Witnessed By	CLYDE BECKER		

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

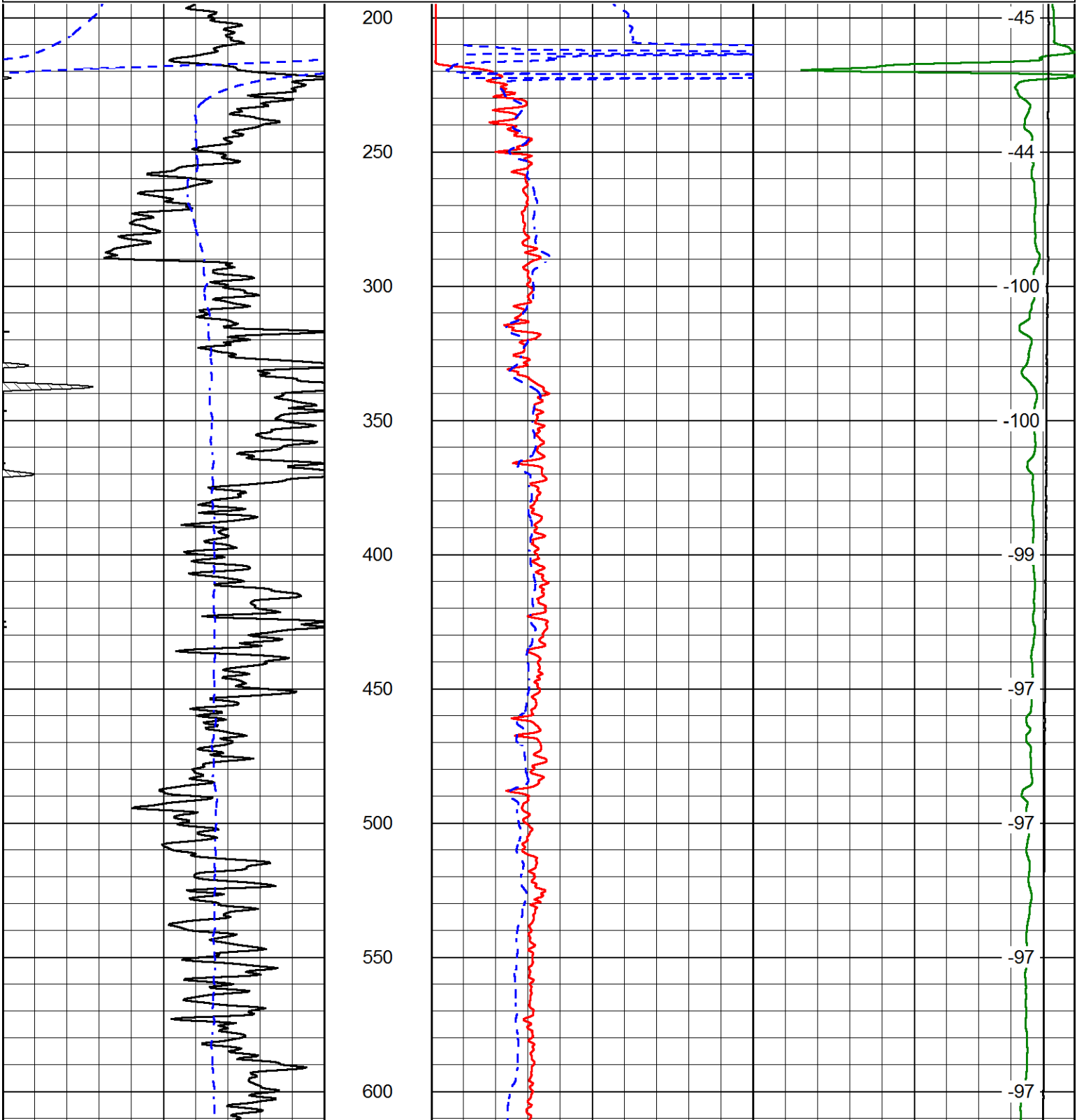
N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
CAMPUS ROAD AND I-70 INTERSECTION, 2 1/4 NORTH, EAST INTO

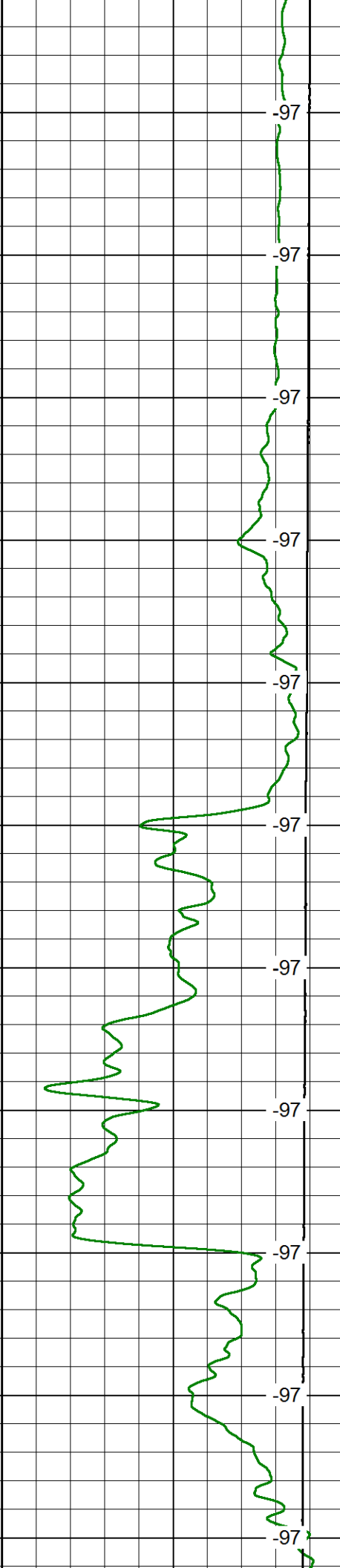
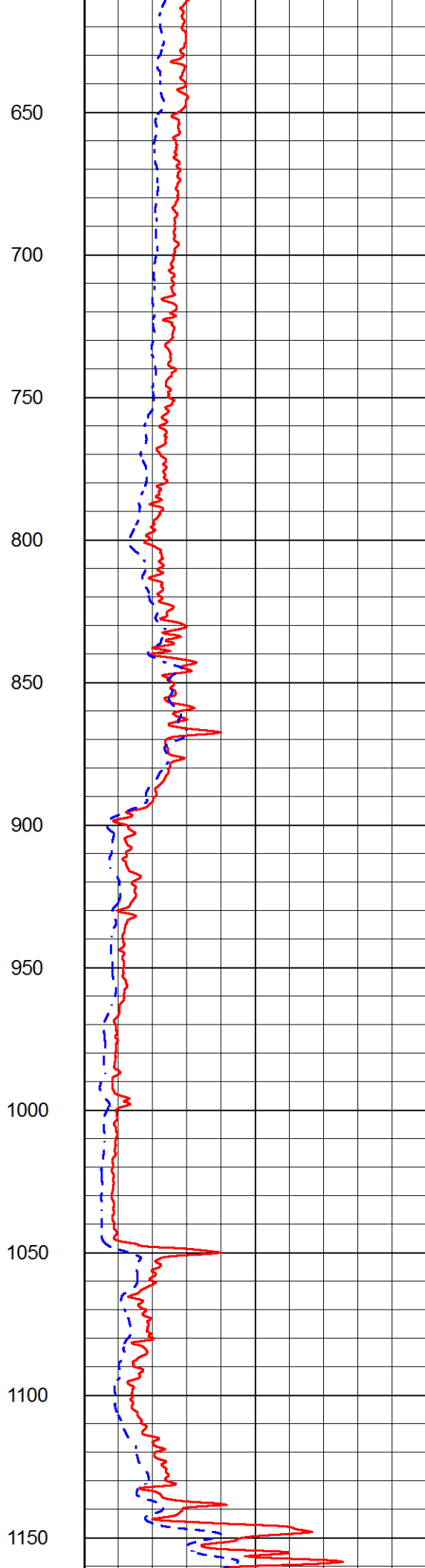
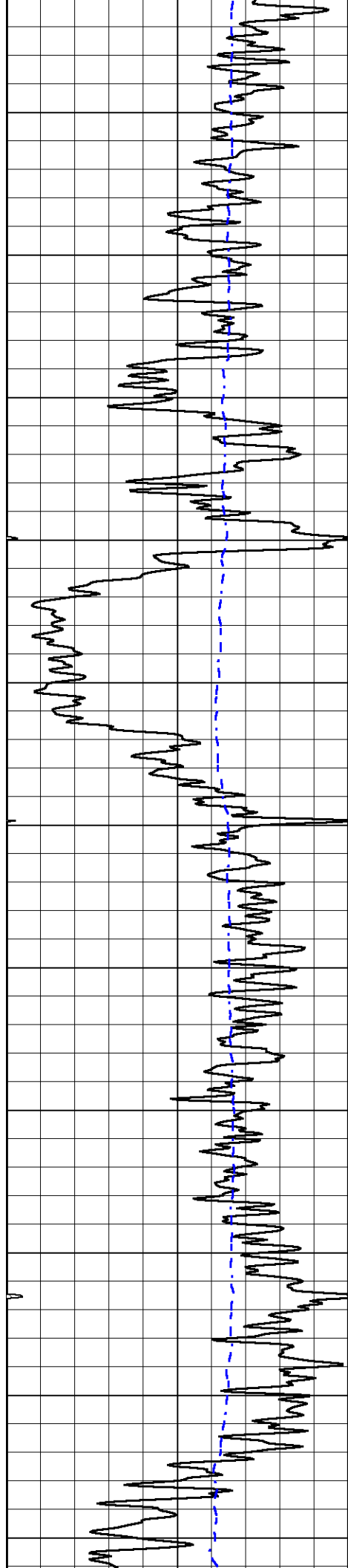
Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

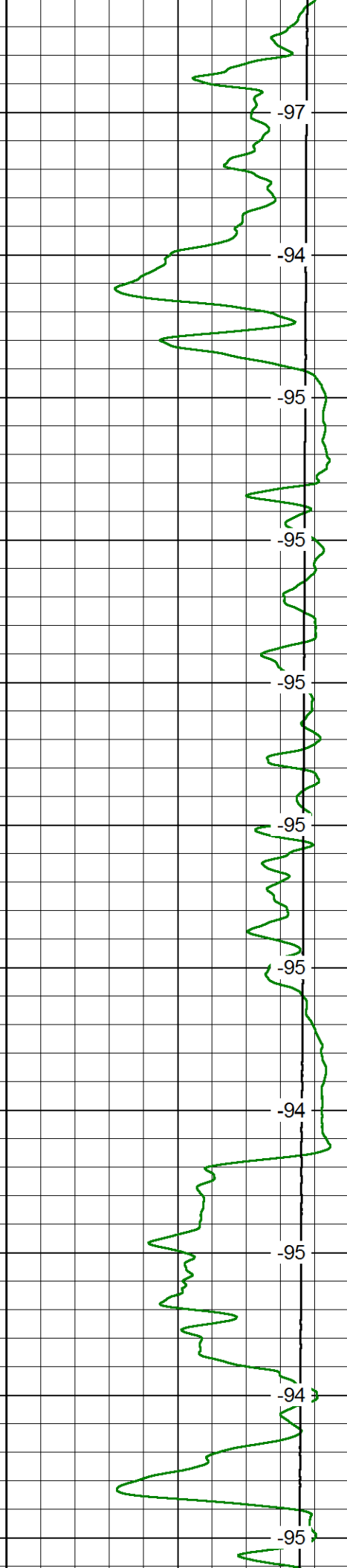
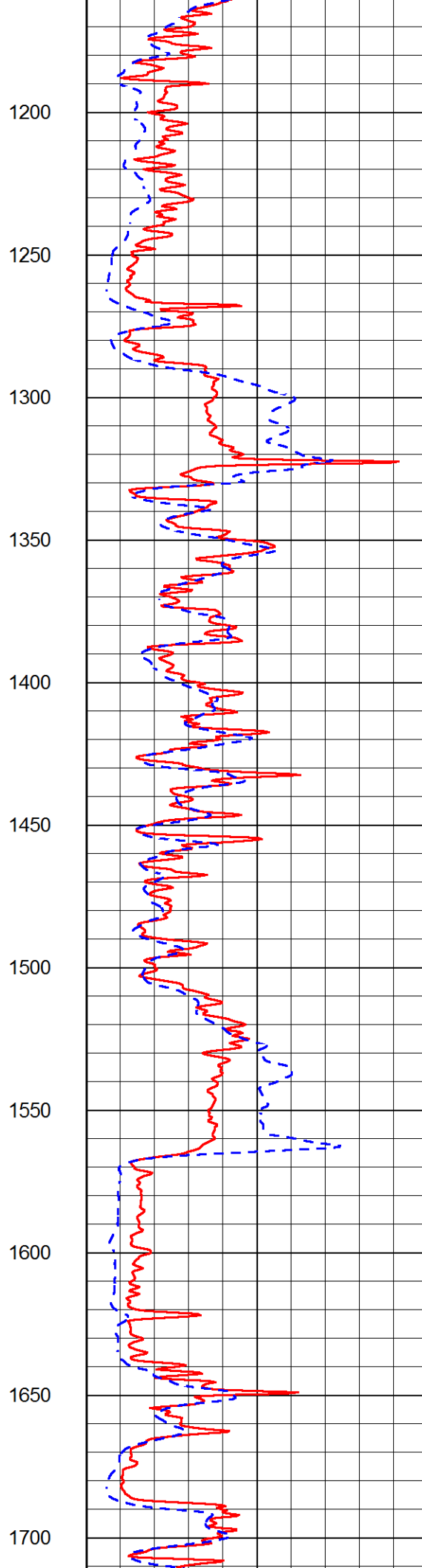
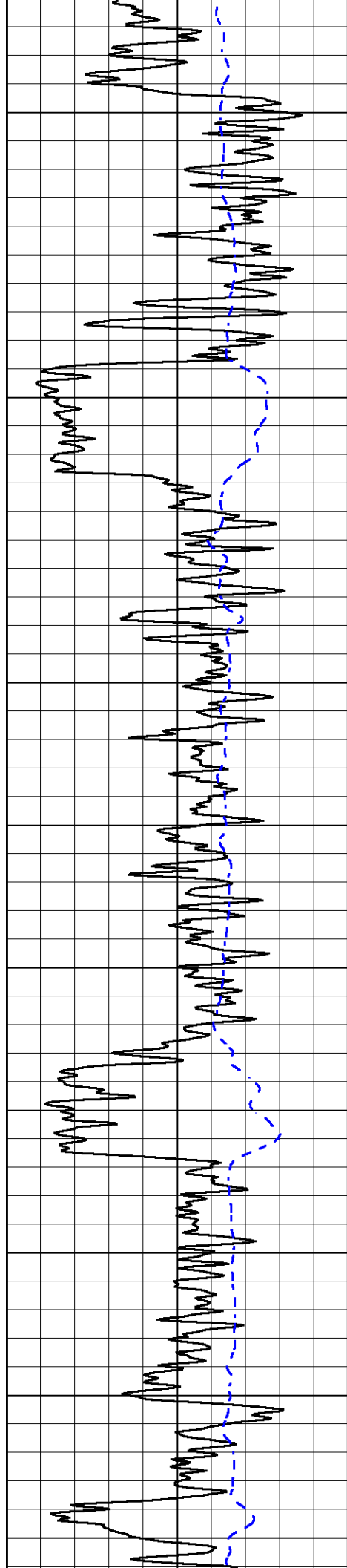
THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

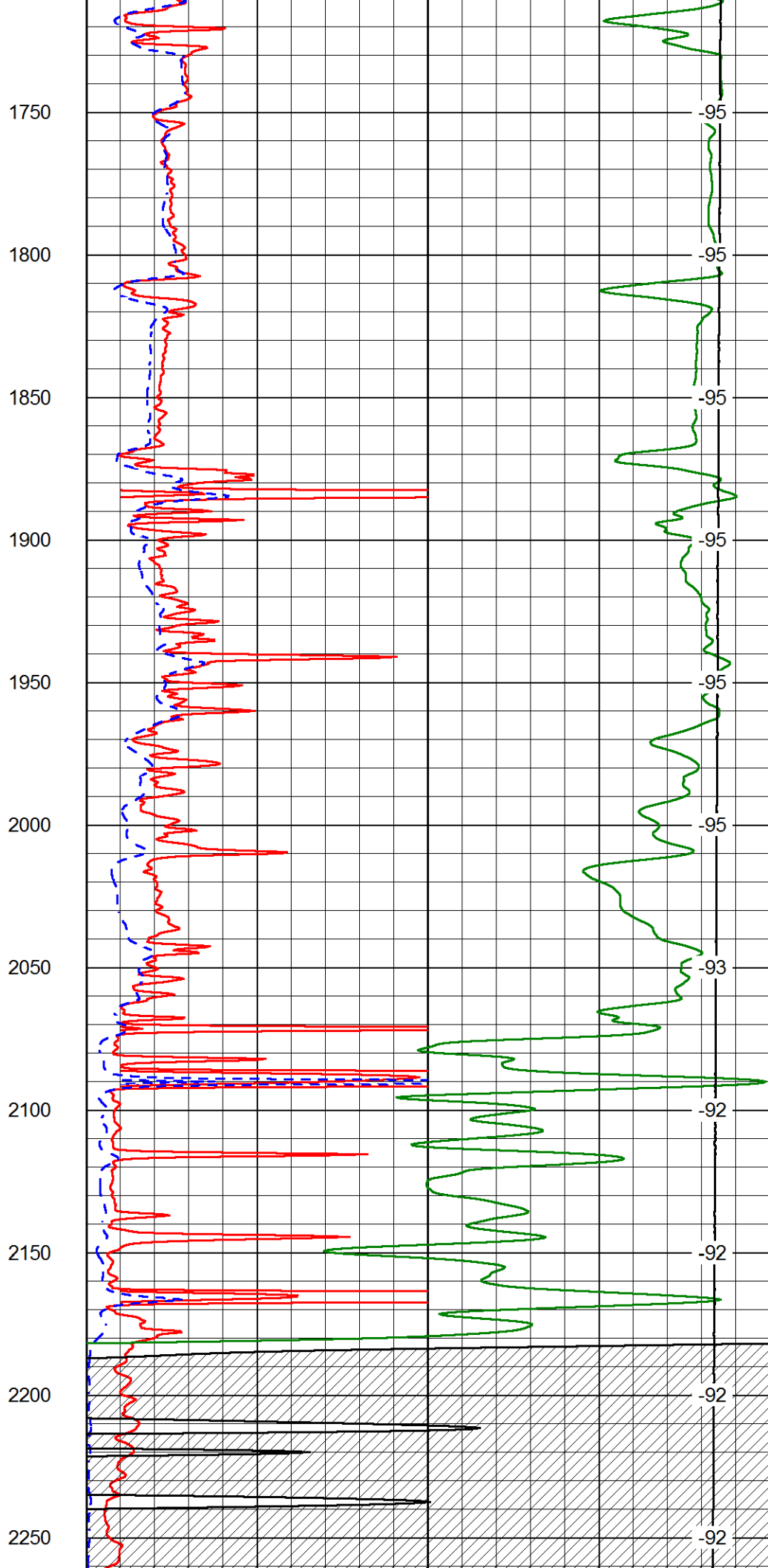
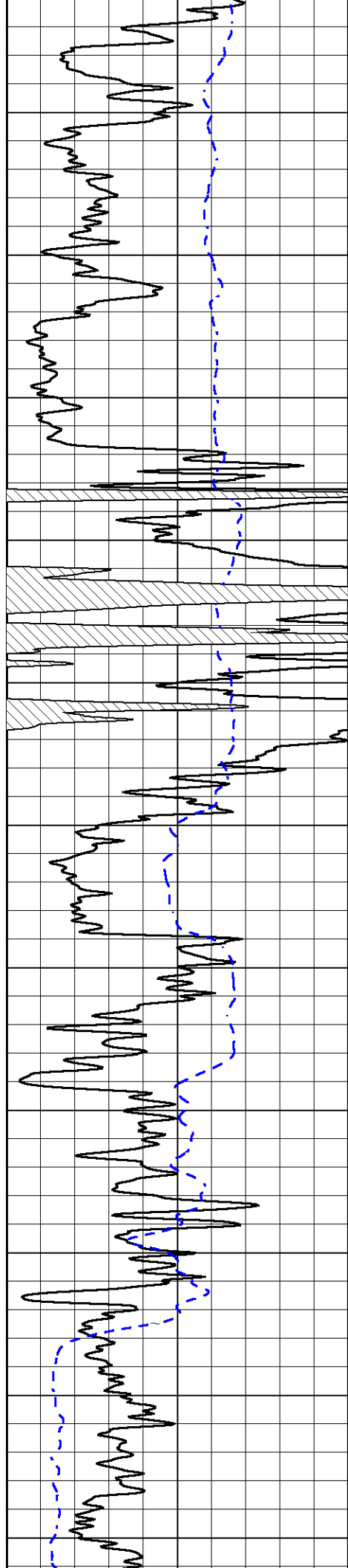
Your Pioneer Energy Services Crew		This Log Record Was Witnessed By	
Engineer: J. LONG		Primary Witness: CLYDE BECKER	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

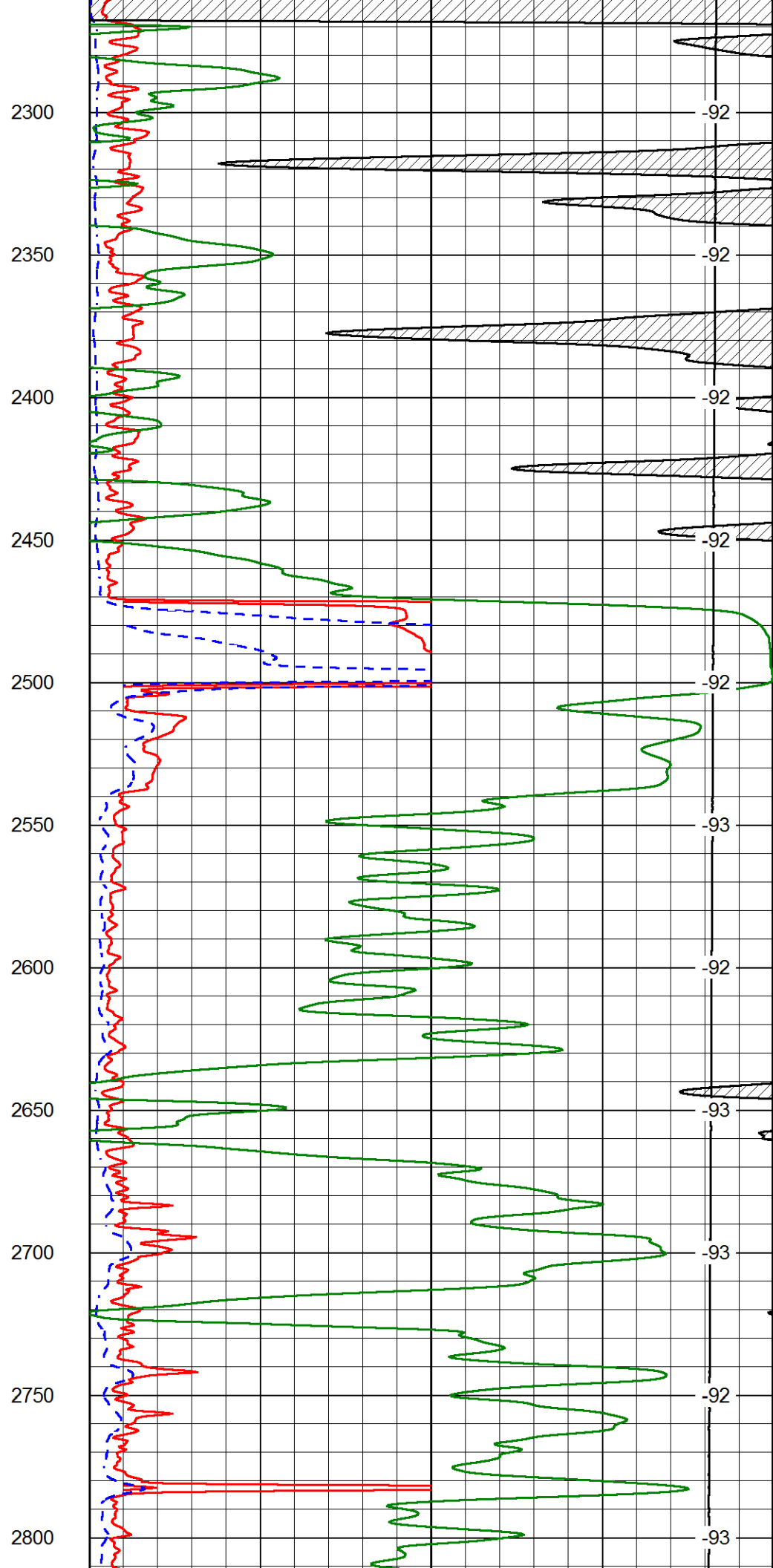
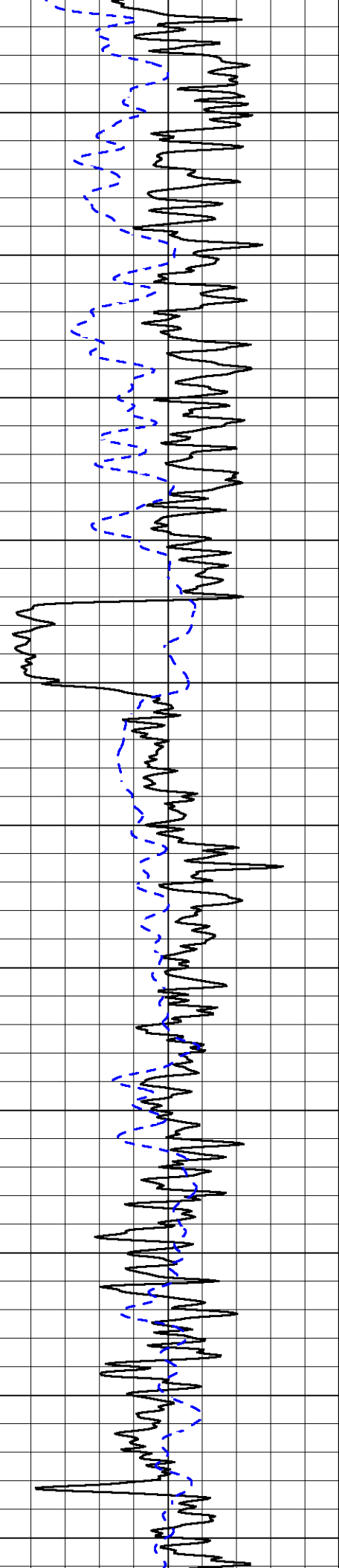
0	Gamma Ray (GAPI)	150	1000	Conductivity	0
-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
			LSPD (ft/min)		
			Shallow Resistivity		
			50	(Ohm-m)	500
			50	Deep Resistivity (Ohm-m)	500

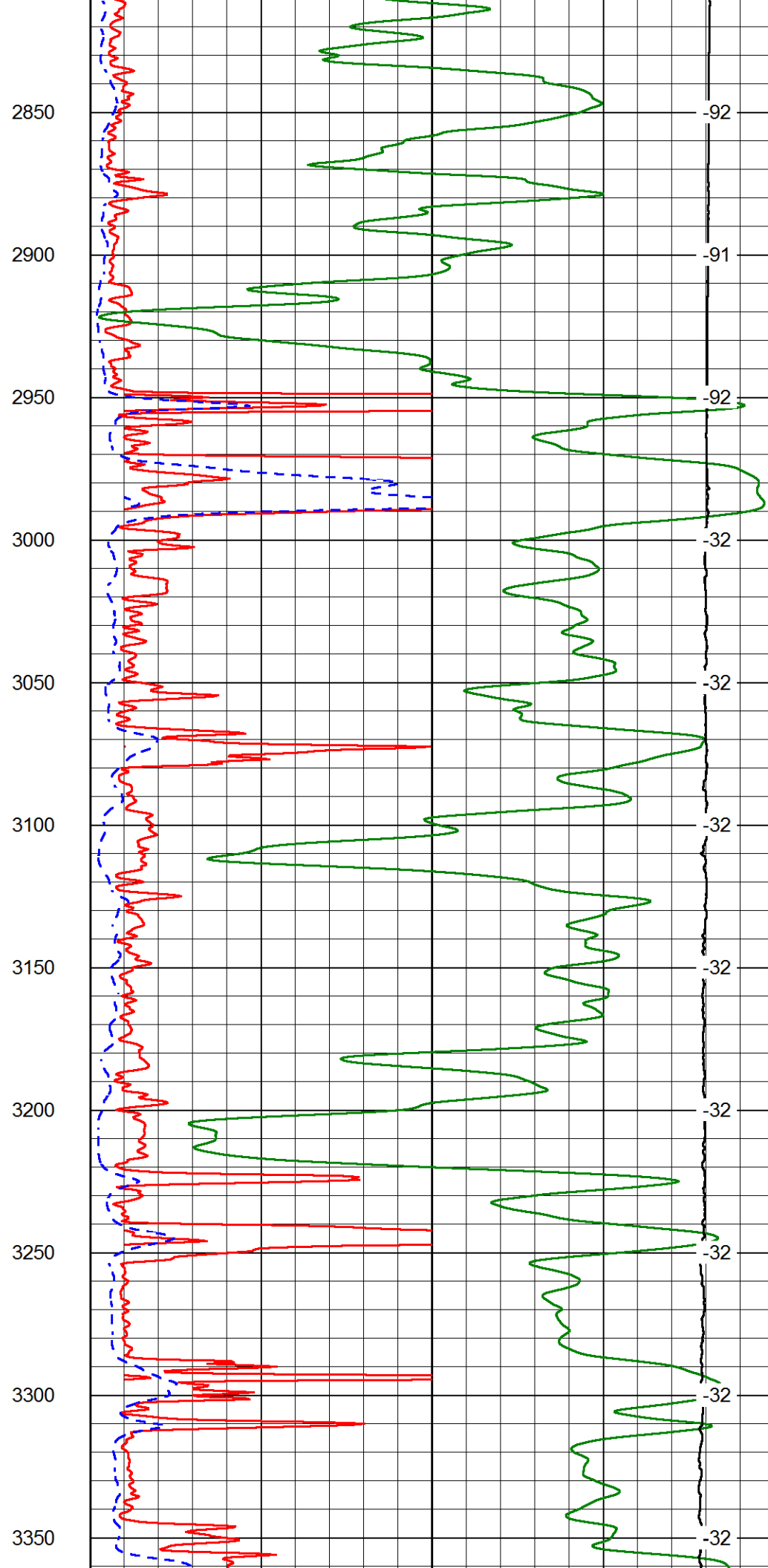
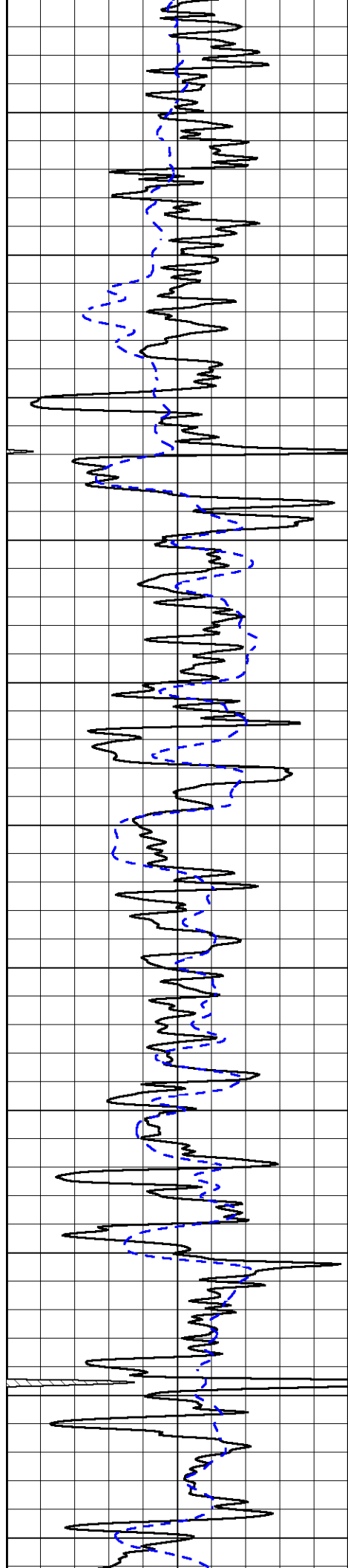


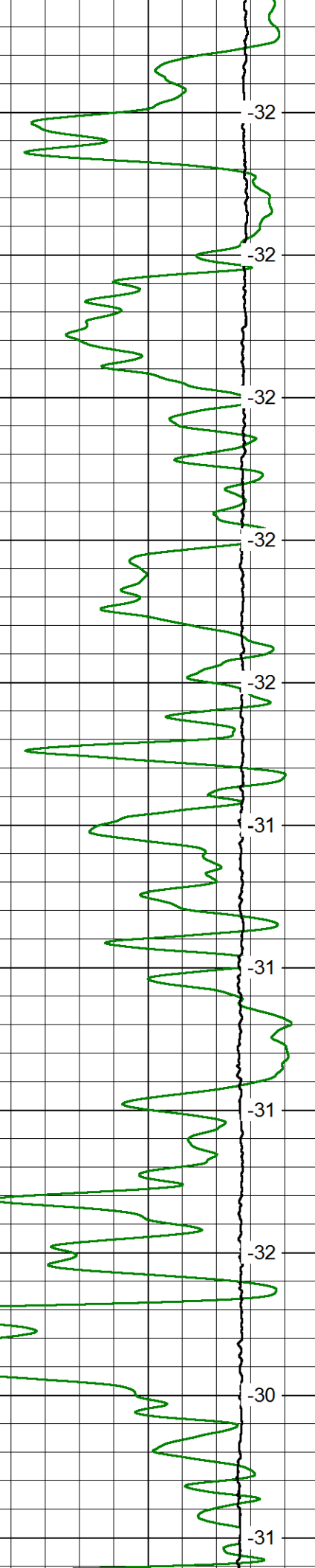
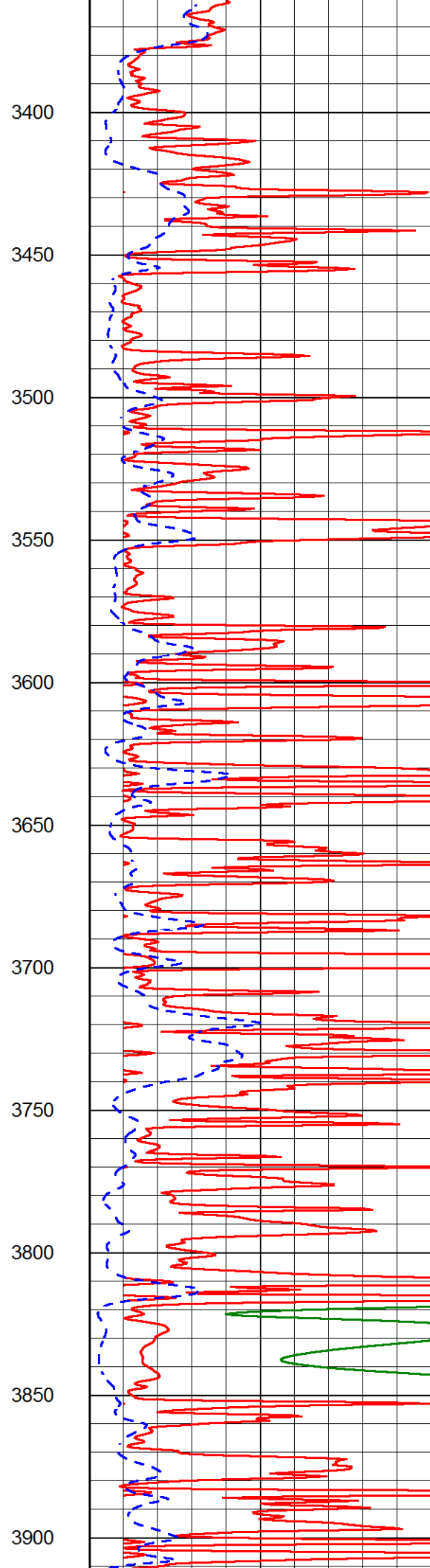
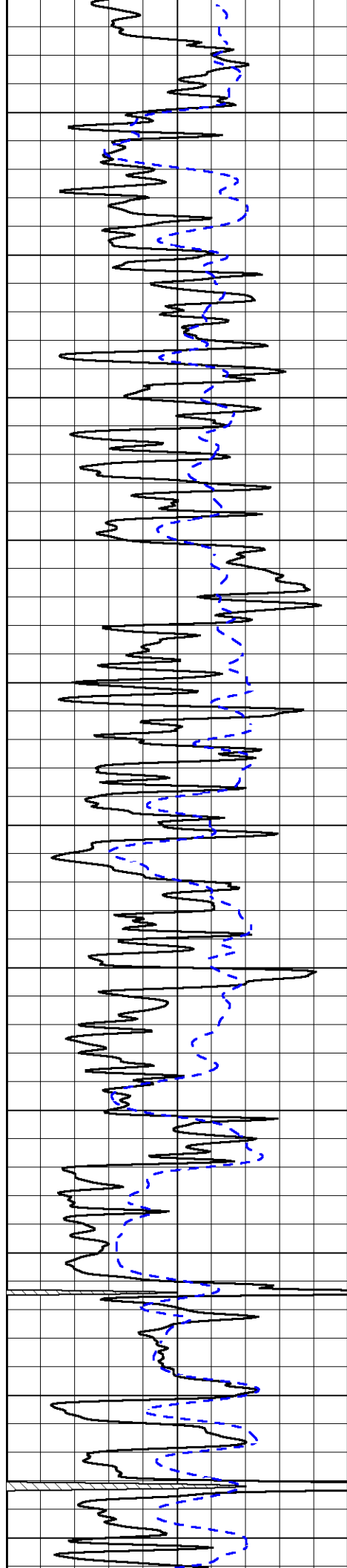


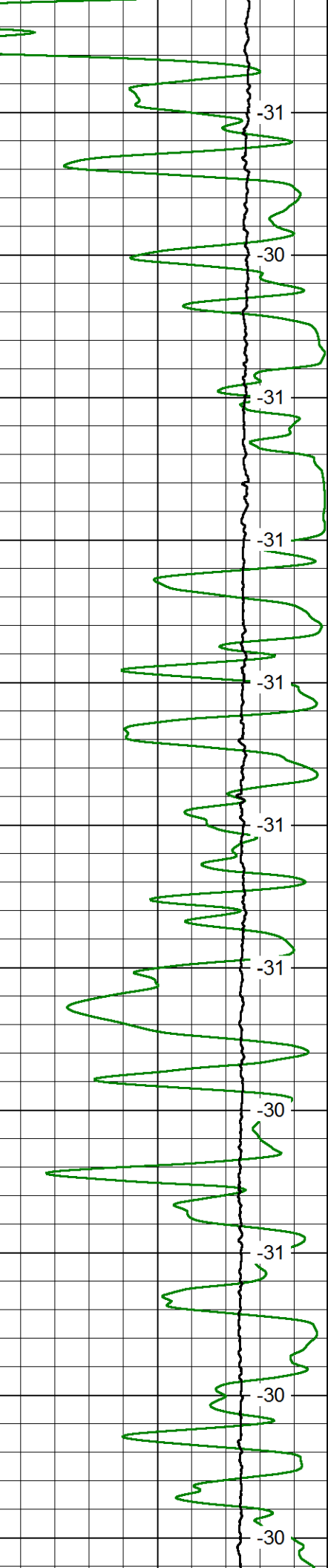
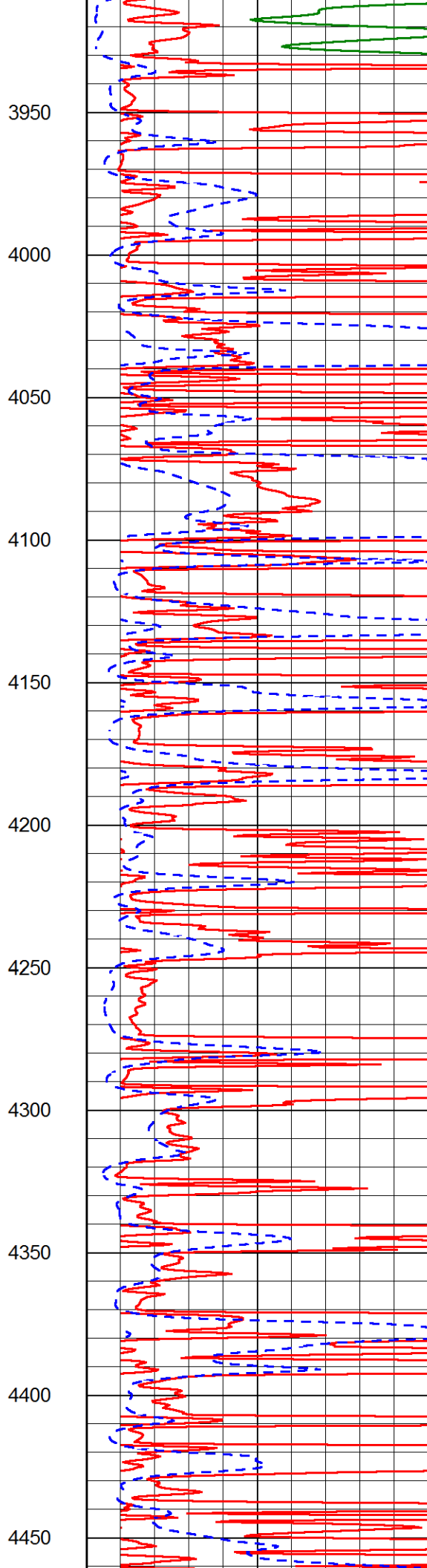
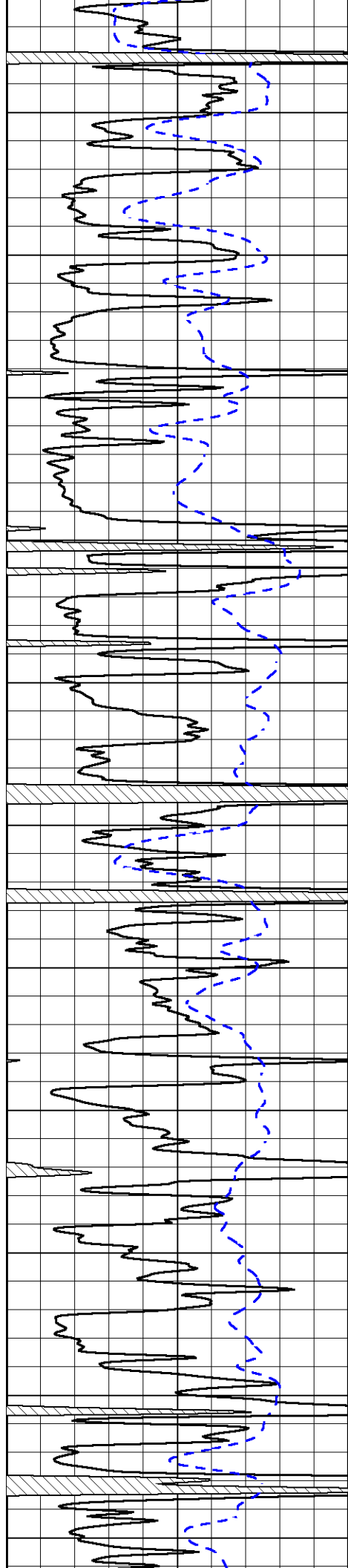


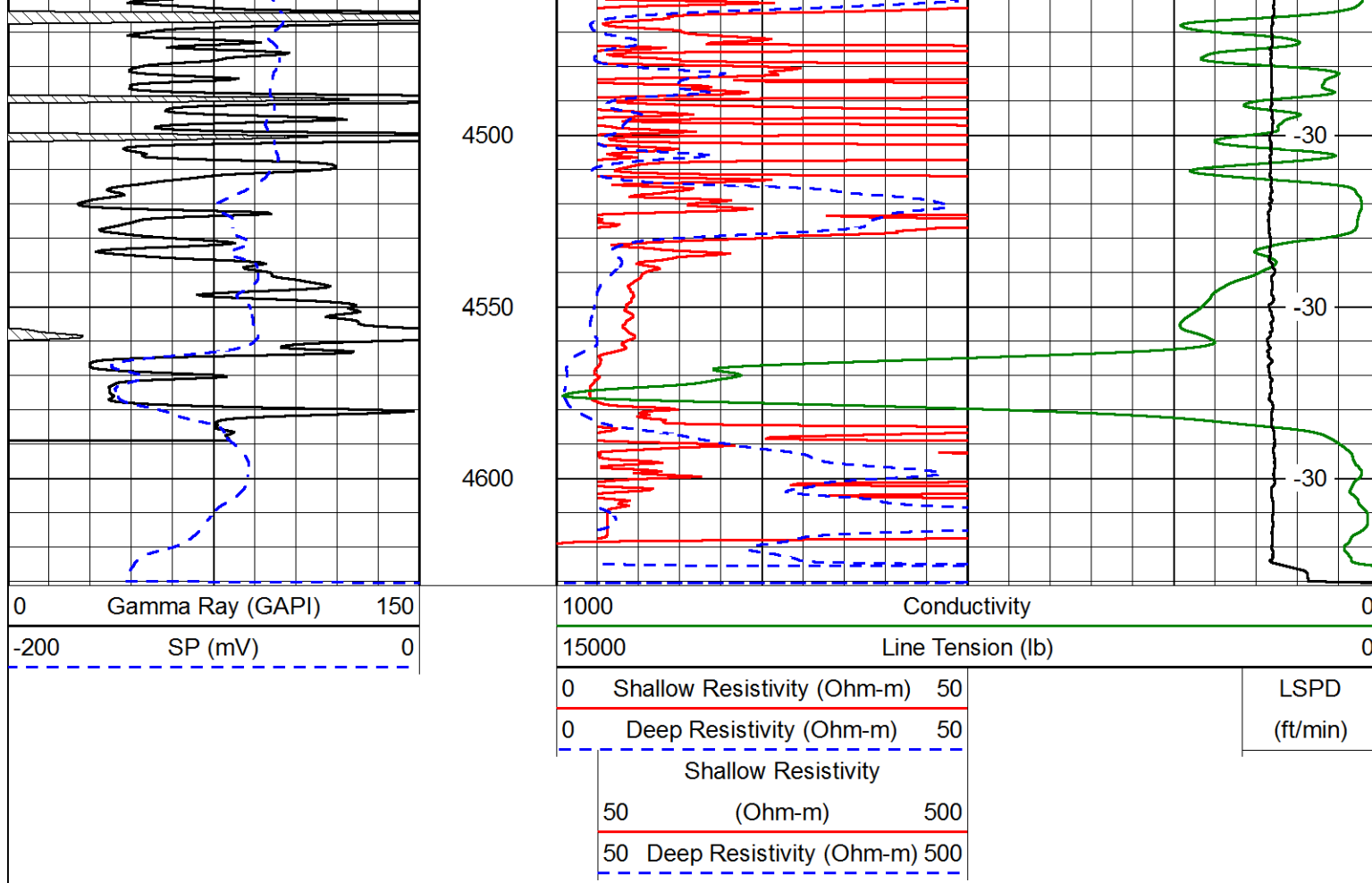










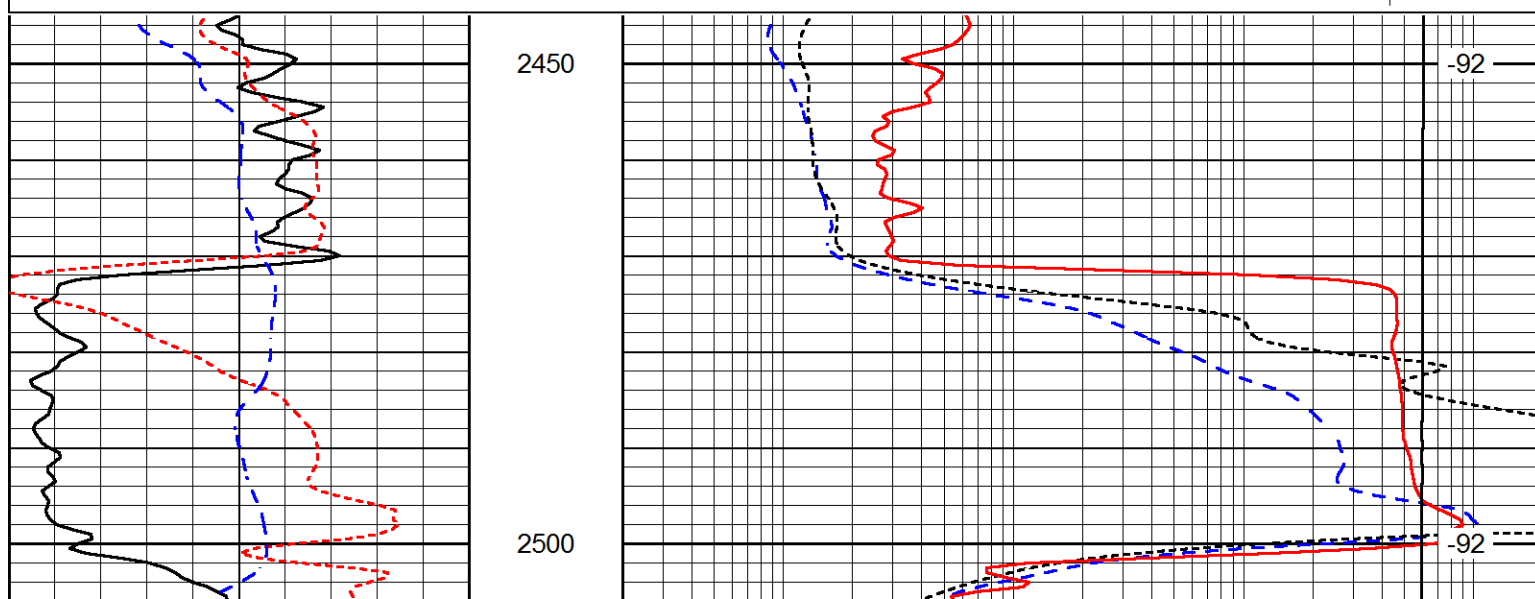


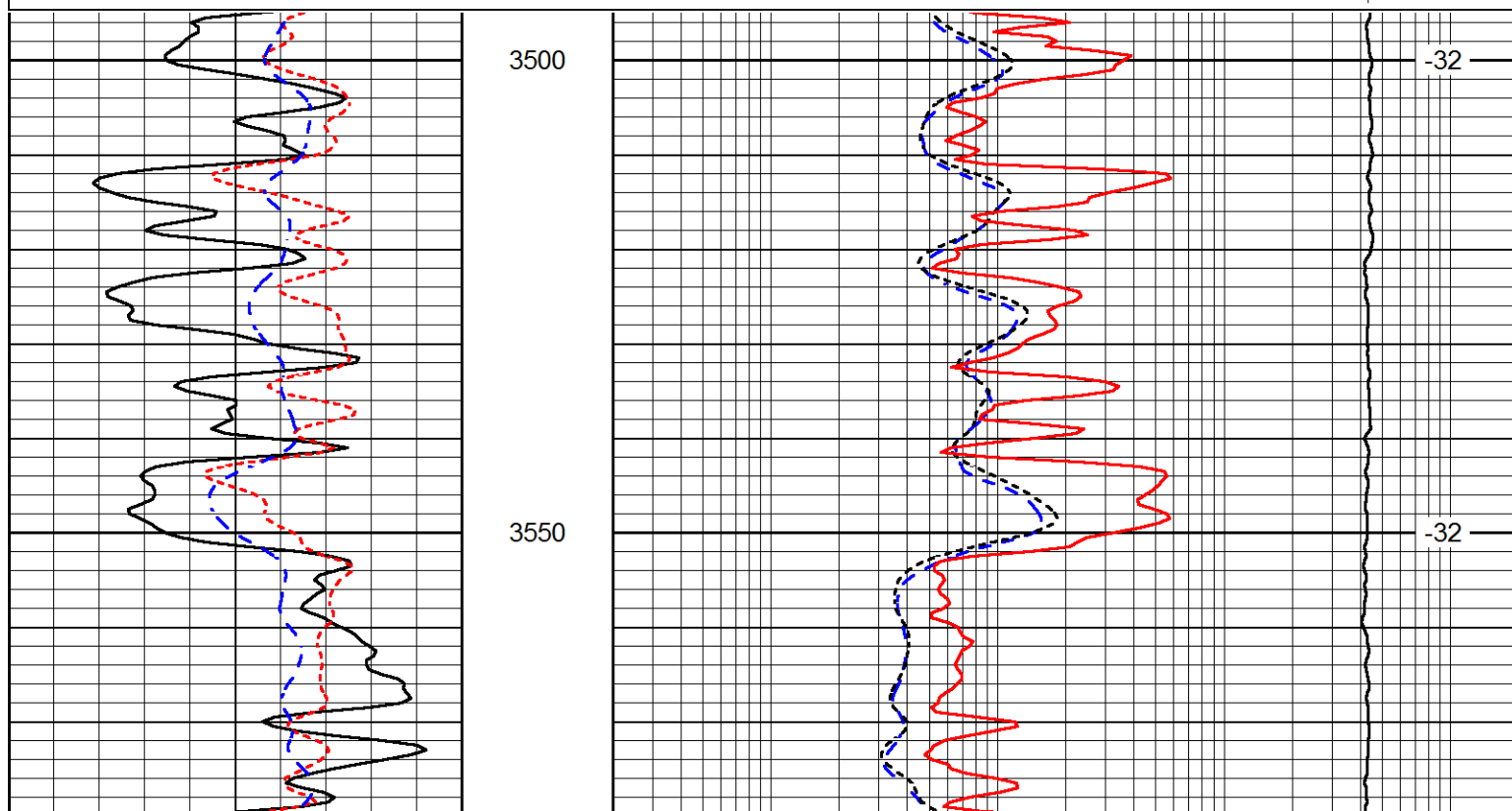
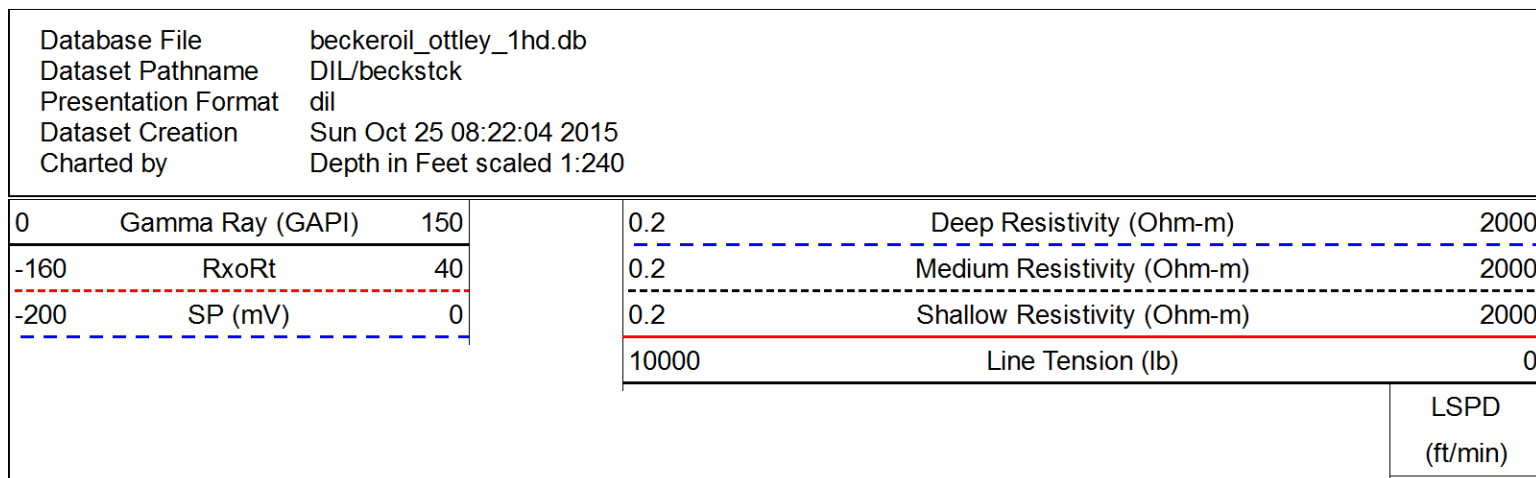
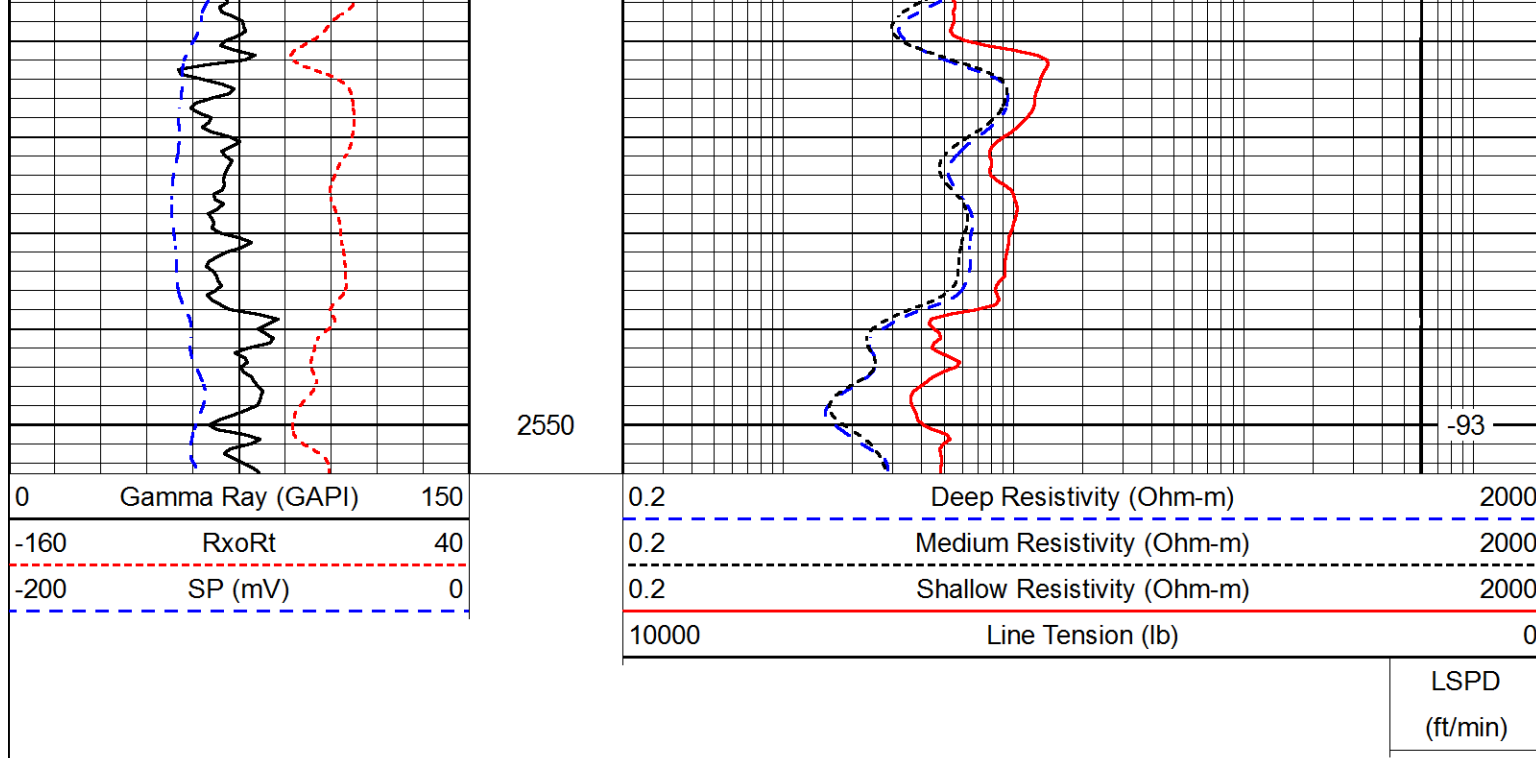
Database File	beckeroil_ottley_1hd.db
Dataset Pathname	DIL/beckstck
Presentation Format	dil
Dataset Creation	Sun Oct 25 08:22:04 2015
Charted by	Depth in Feet scaled 1:240

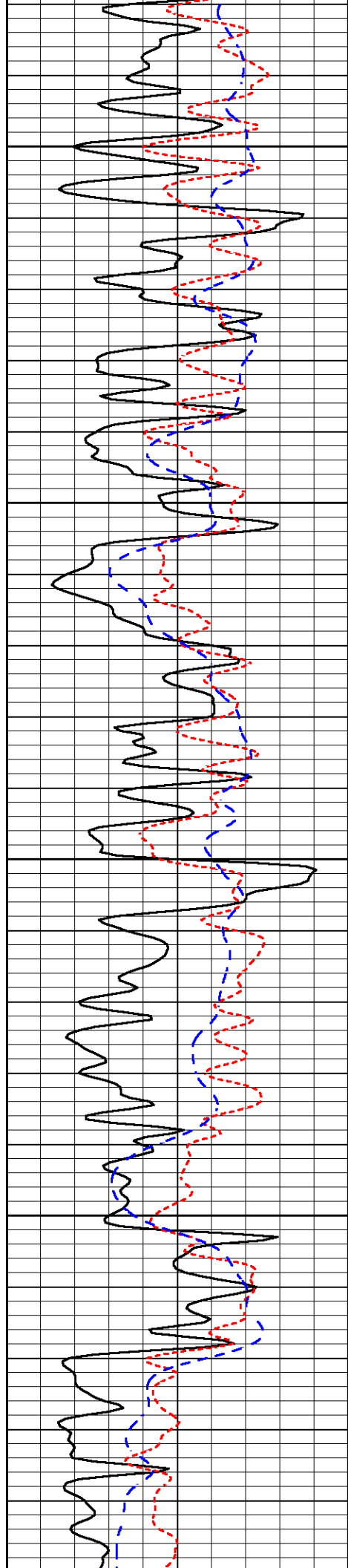
0	Gamma Ray (GAPI)	150
-160	RxoRt	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD (ft/min)	
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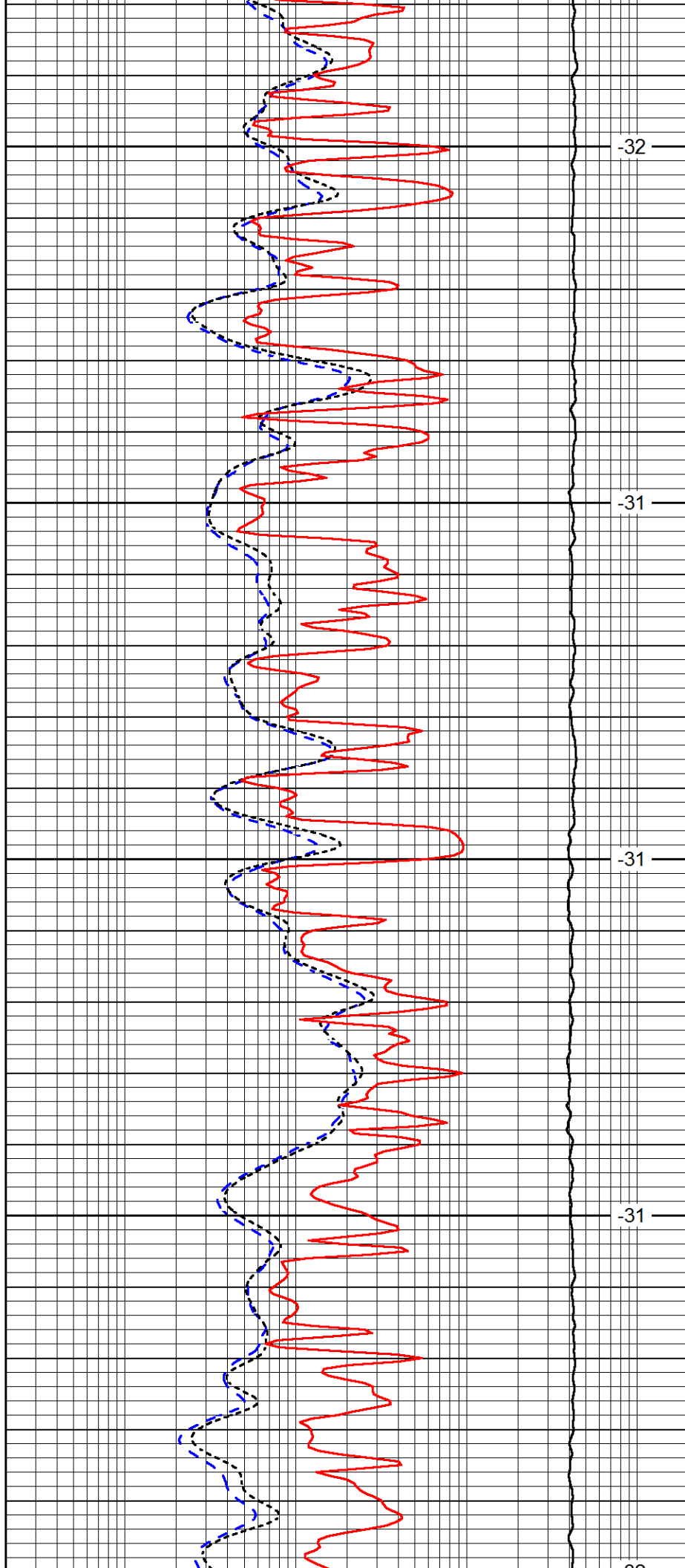
3600

3650

3700

3750

3800



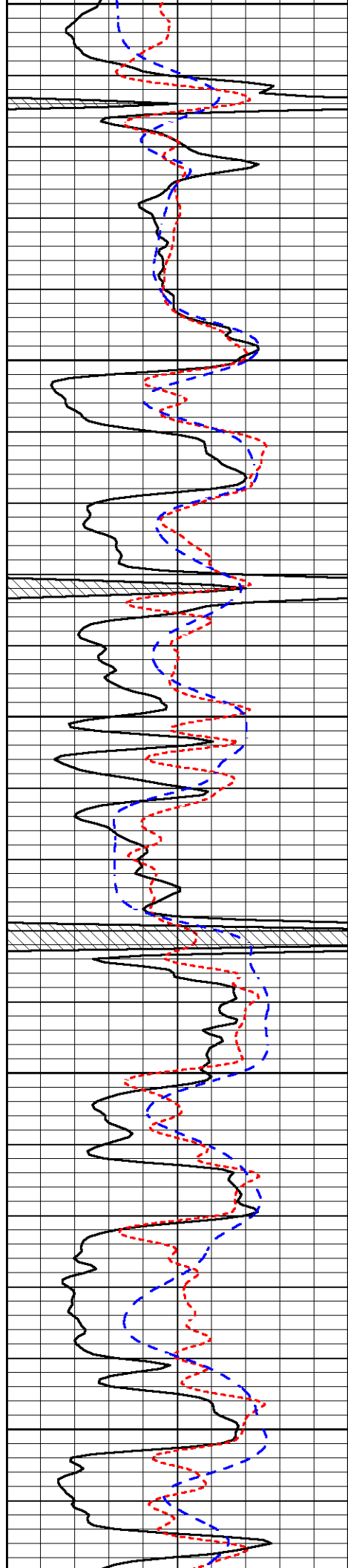
-32

-31

-31

-31

-28



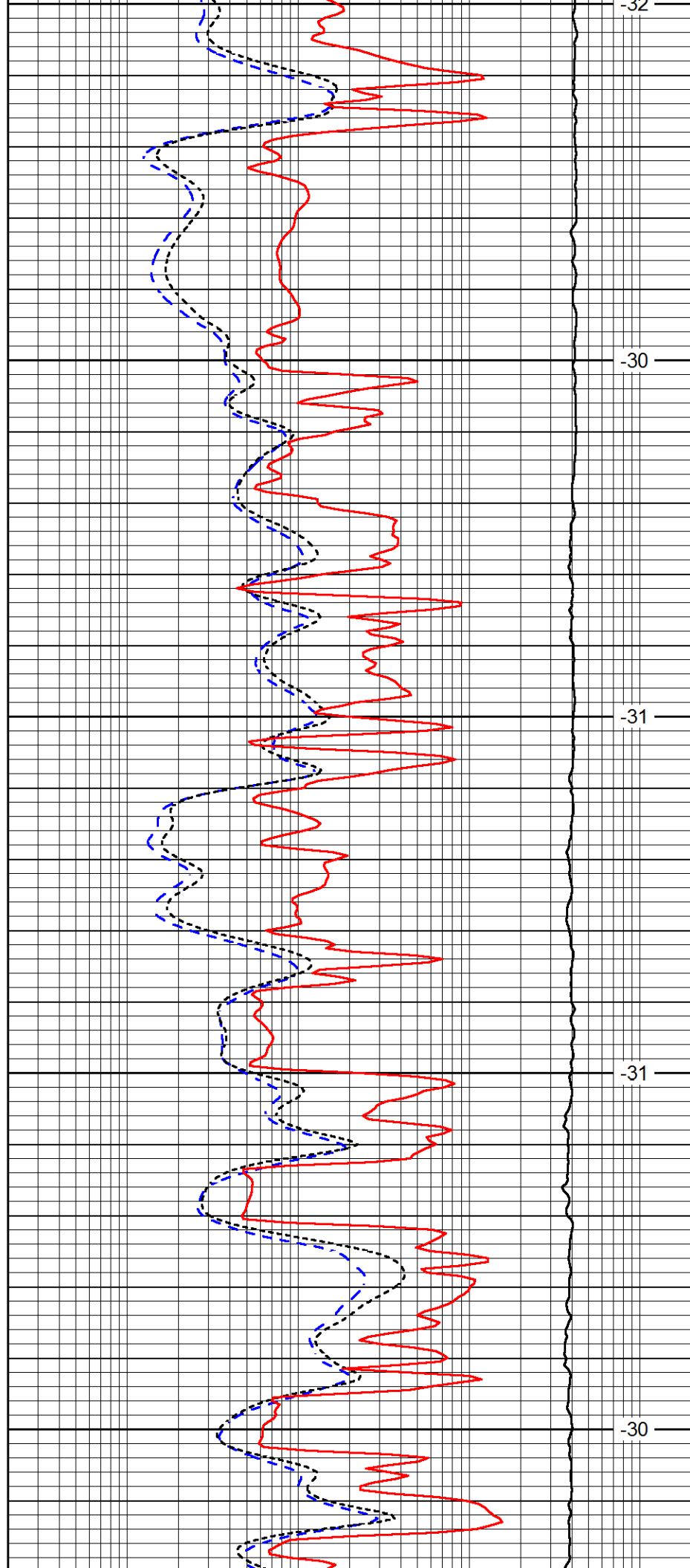
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3850

3900

3950

4000



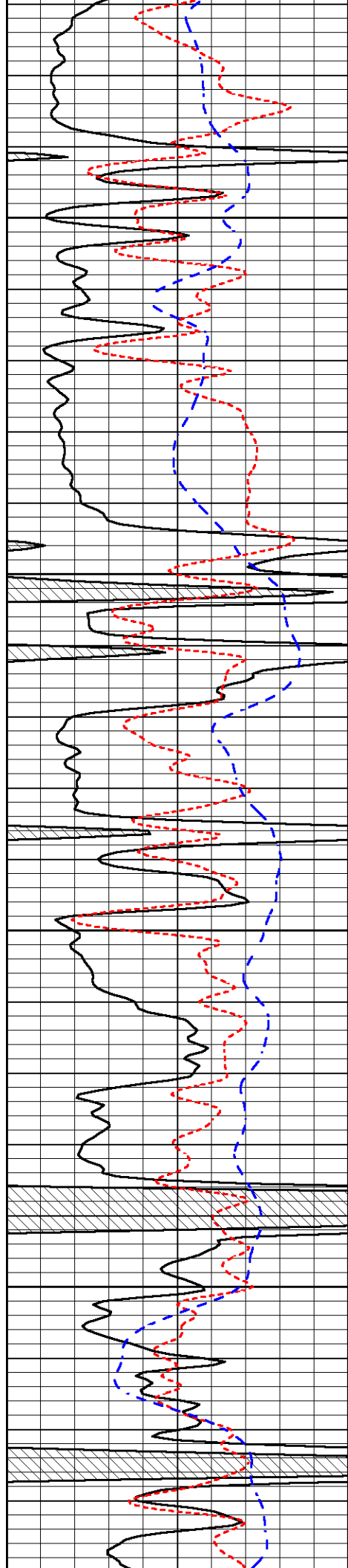
-32

-30

-31

-31

-30

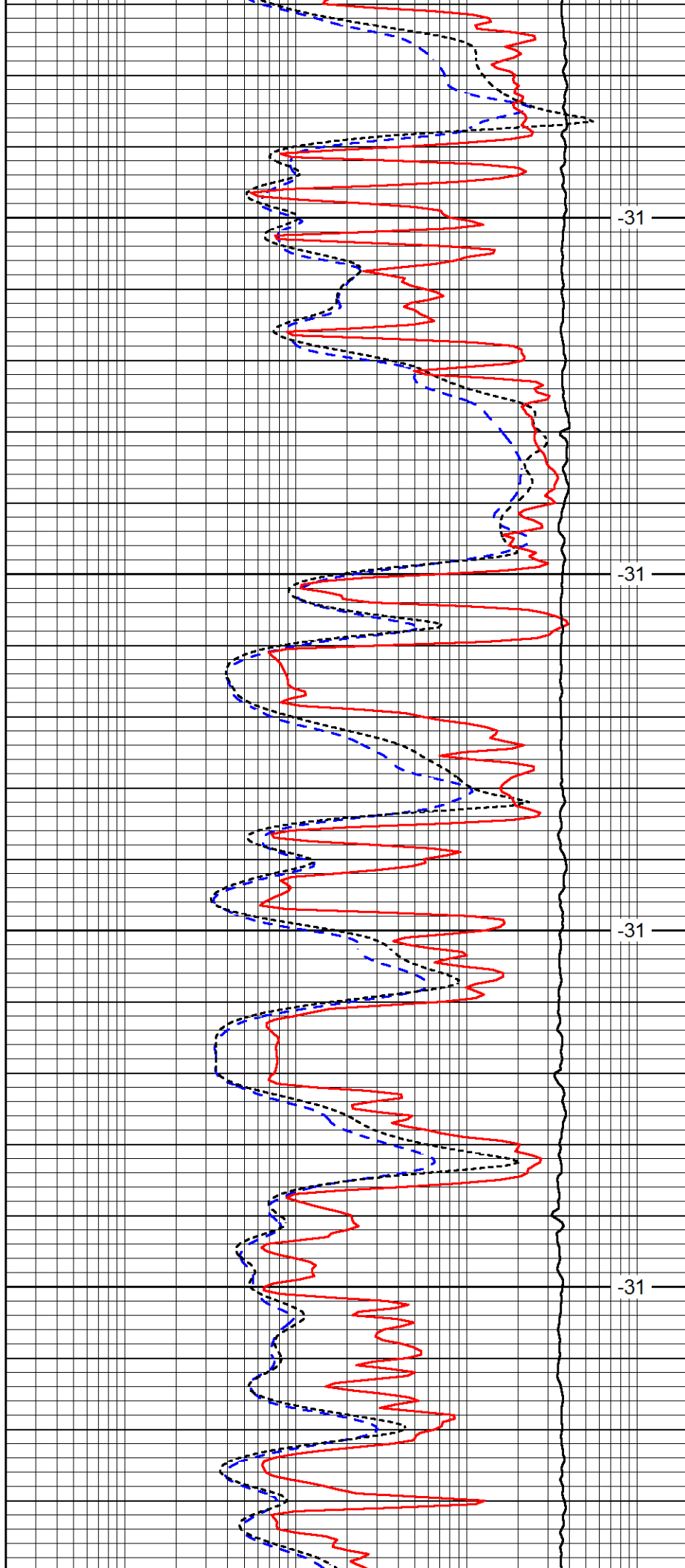


4050

4100

4150

4200

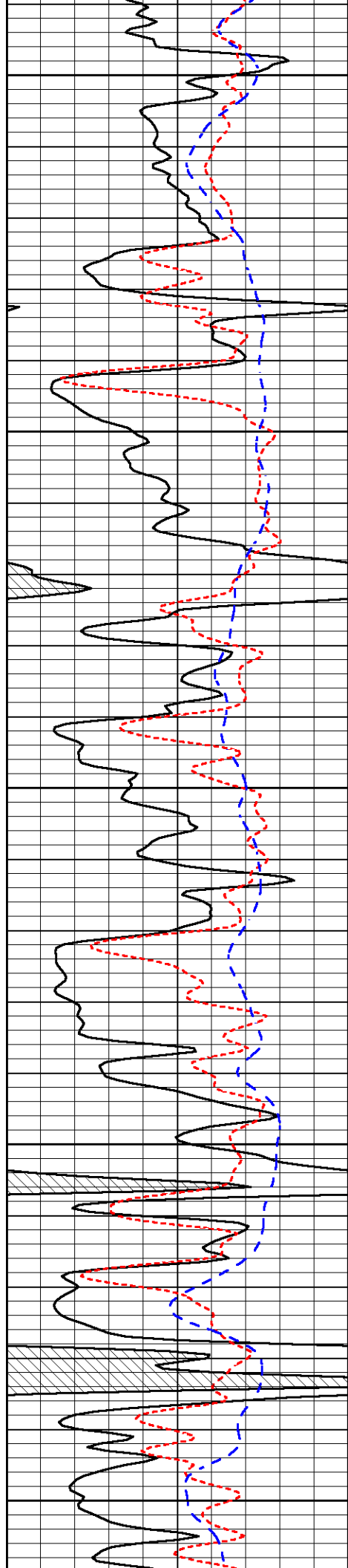


-31

-31

-31

-31



4250

4300

4350

4400

4450

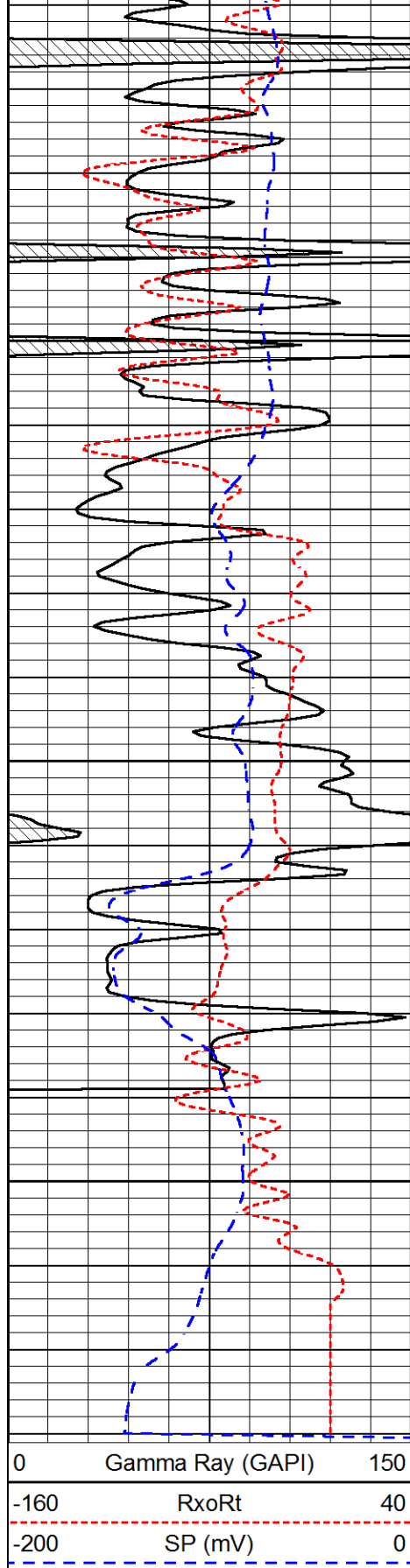
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-30

-31

-30

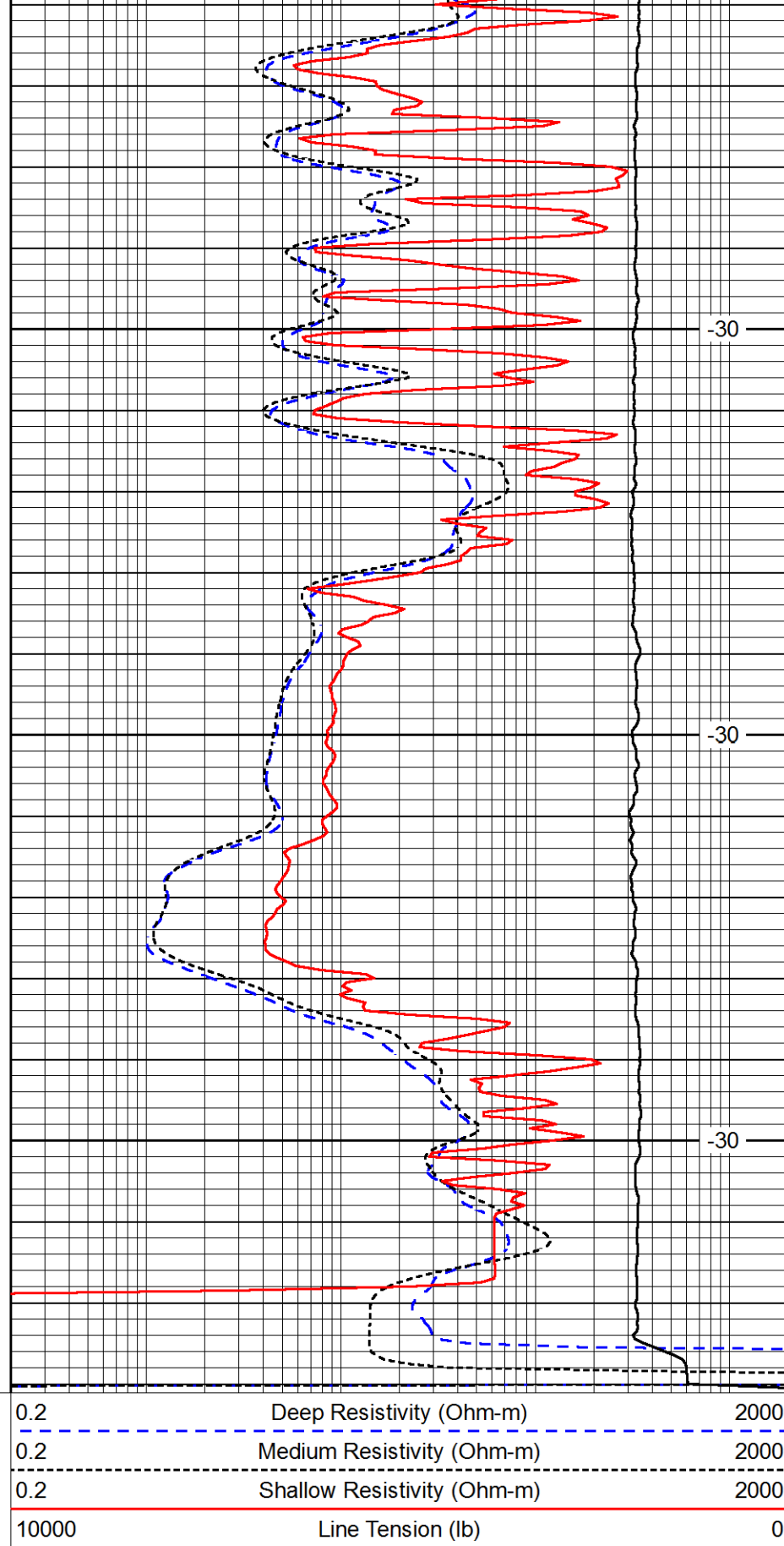
-30



4500

4550

4600



-30

-30

-30

LSPD
(ft/min)