



DUAL INDUCTION LOG

Pioneer Energy Services

Company BEREXCO, LLC		Company BEREXCO, LLC	
Well MOSER C #6-28		Well MOSER C #6-28	
Field WILDCAT		Field WILDCAT	
County RAWLINS		County RAWLINS	
State KANSAS		State KANSAS	
Location: API #: 15-153-21149-00-00		Other Services	
600' FSL & 1320' FWL		RAGIMEL	
SEC 28 TWP 1S RGE 36W			
Permanent Datum	GROUND LEVEL	Elevation	
Log Measured From	KELLY BUSHING	K.B.	3294
Drilling Measured From	KELLY BUSHING	D.F.	N/A
		G.L.	3283
Date	7/2/2015		
Run Number	THREE		
Depth Driller	4658		
Depth Logger	4655		
Bottom Logged Interval	4654		
Top Log Interval	250		
Casing Driller	8.625 @ 294		
Casing Logger	295		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	1000		
Density / Viscosity	9.1 45		
pH / Fluid Loss	10.5 6.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.20 @ 72		
Rmf @ Meas. Temp	0.90 @ 72		
Rmc @ Meas. Temp	1.62 @ 72		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.70 @ 123		
Operating Rig Time	4 HOURS		
Max Rec. Temp. F	123		
Equipment Number	91		
Location	Hays		
Recorded By	D. SCHMIDT		
Witnessed By	BRYAN BYNOG		

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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.

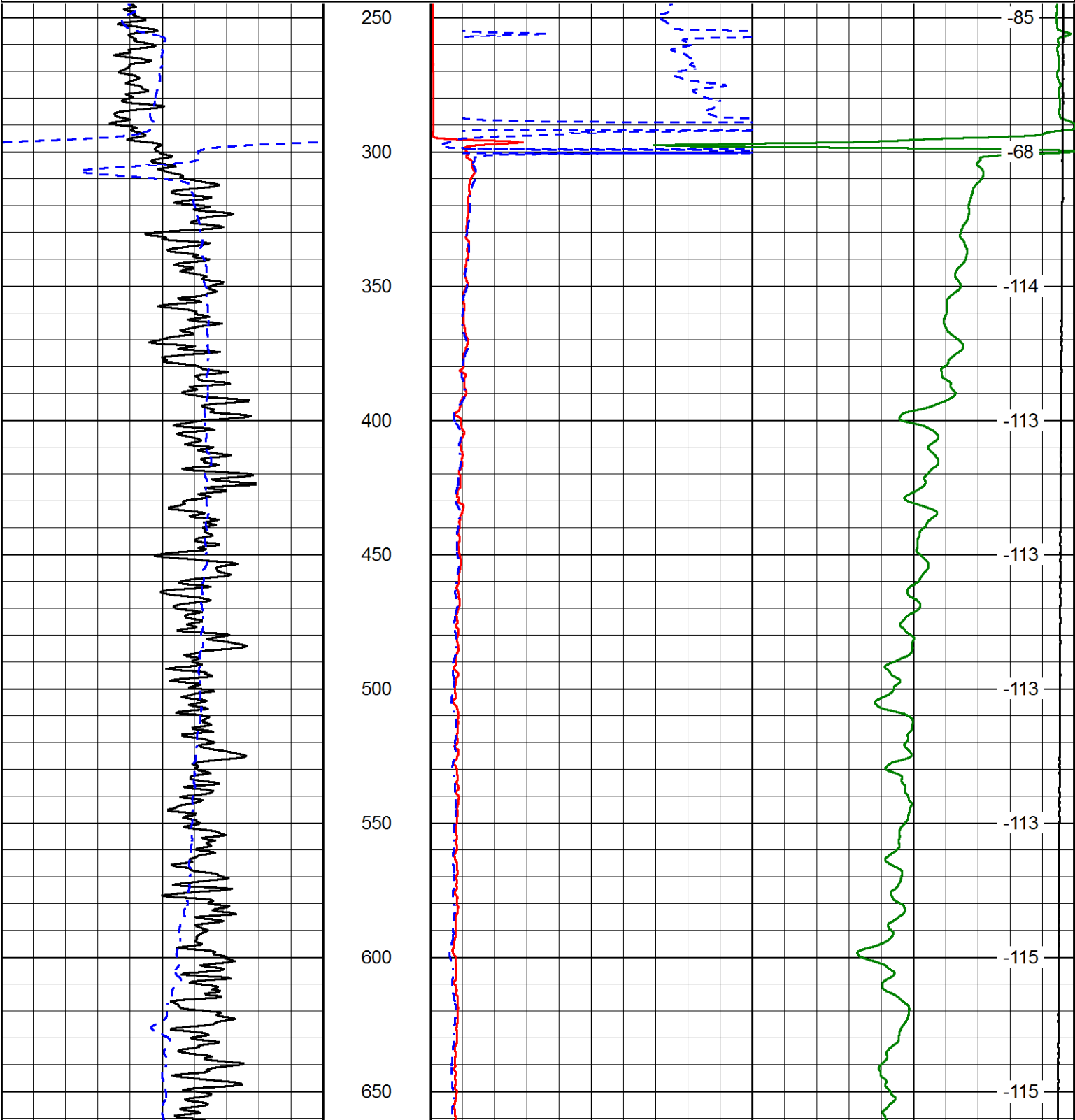
MCDONALD,
NORTH TO Z RD, 1 EAST, 1 NORTH, 1/2 EAST,
NORTH AND WEST INTO

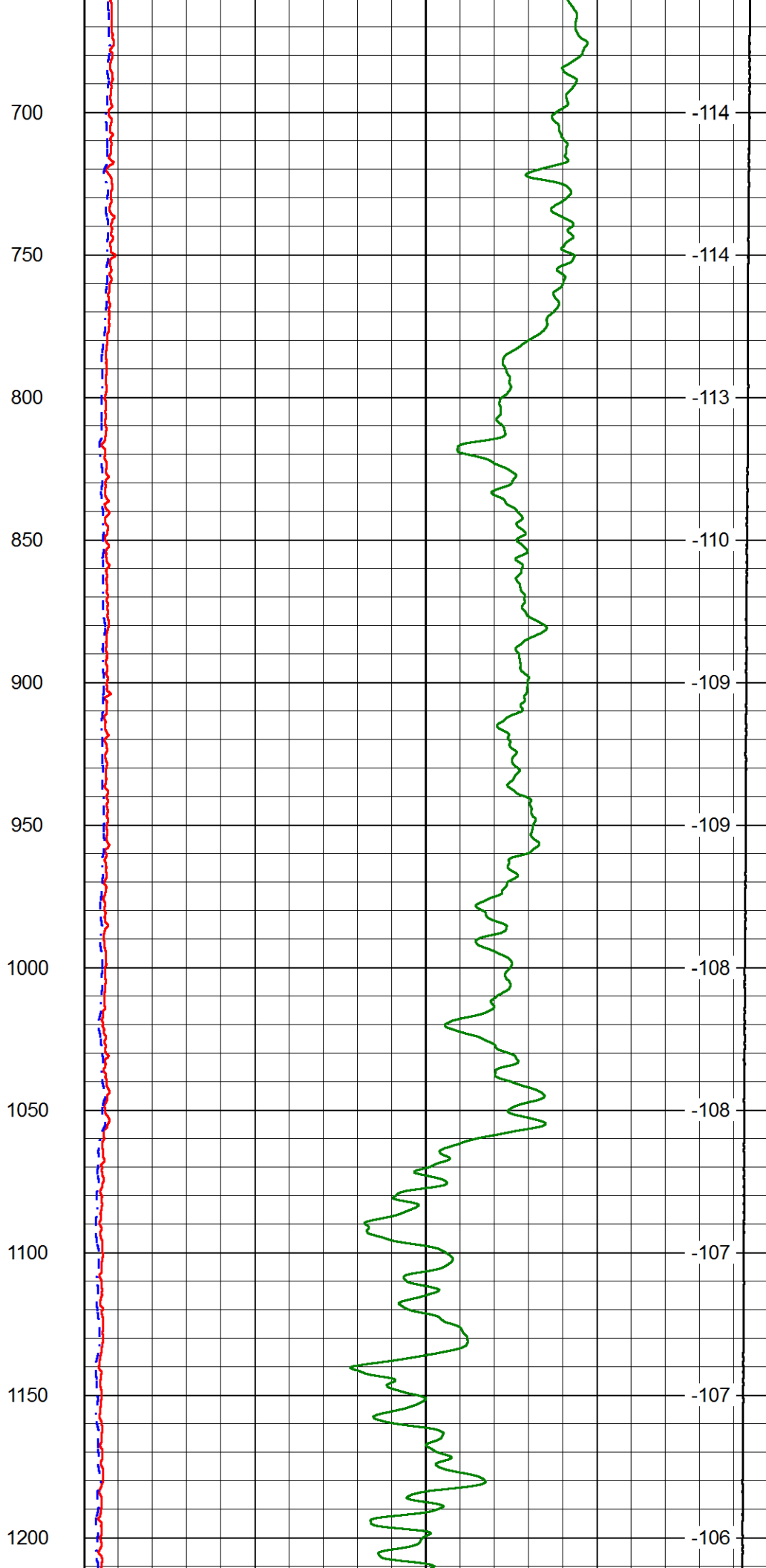
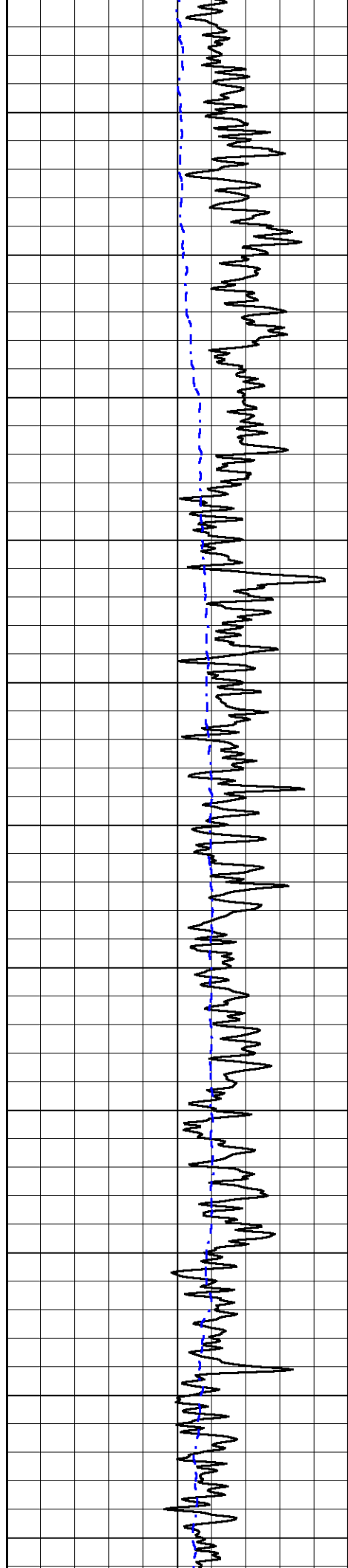
Log Measured From: KELLY BUSHING 11 Ft. Above Permanent Datum

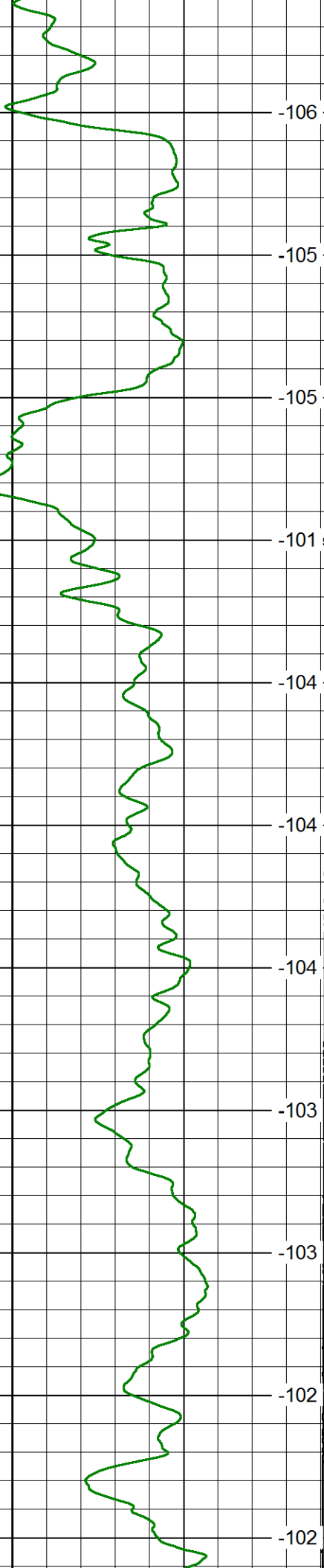
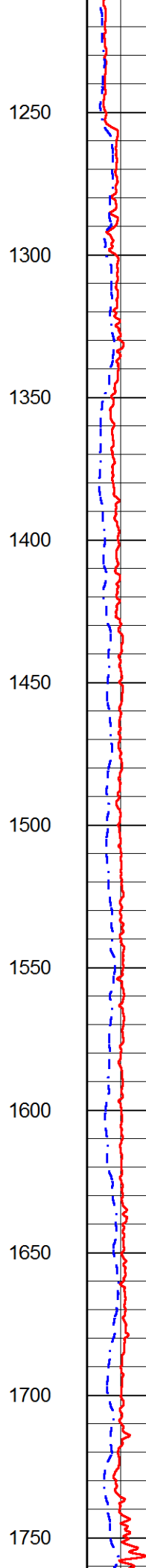
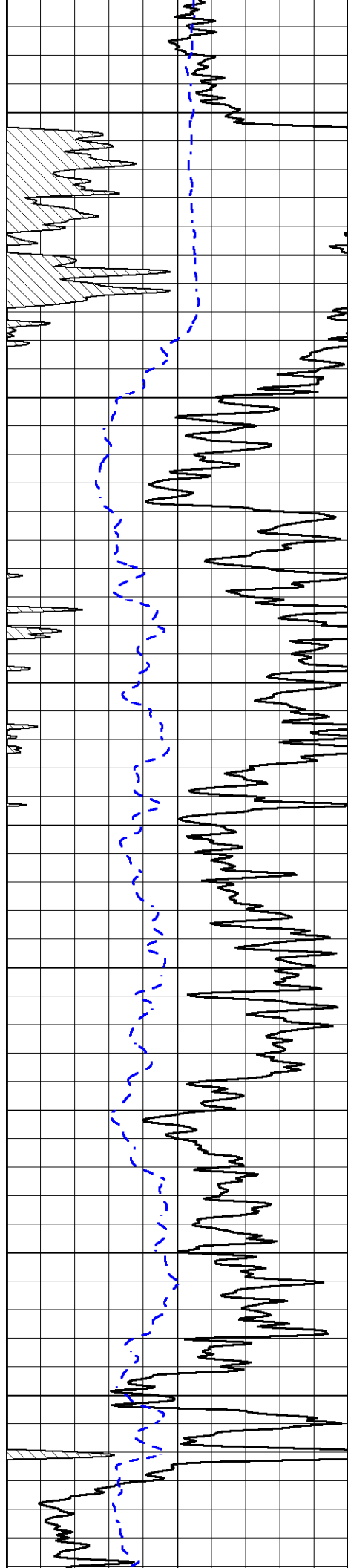
THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

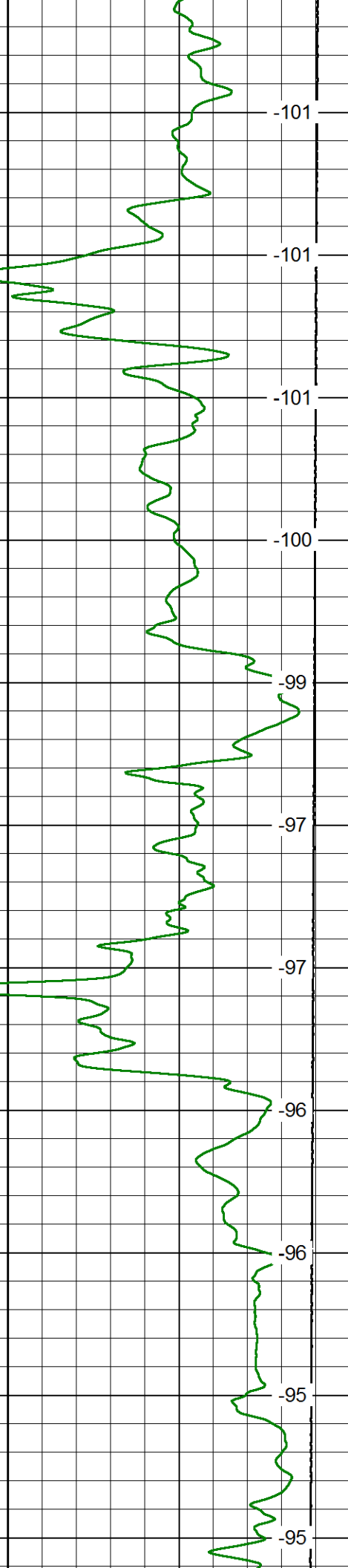
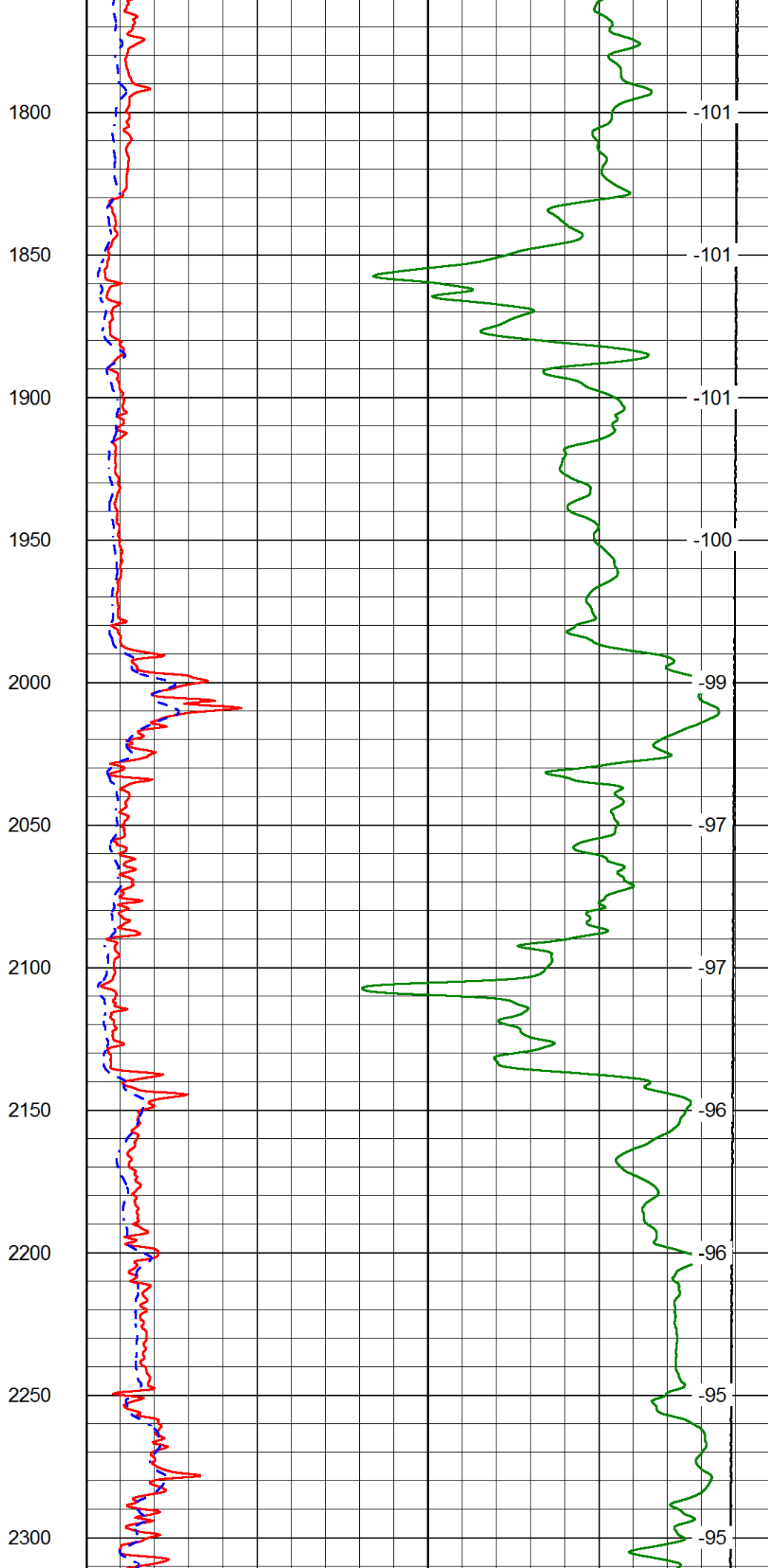
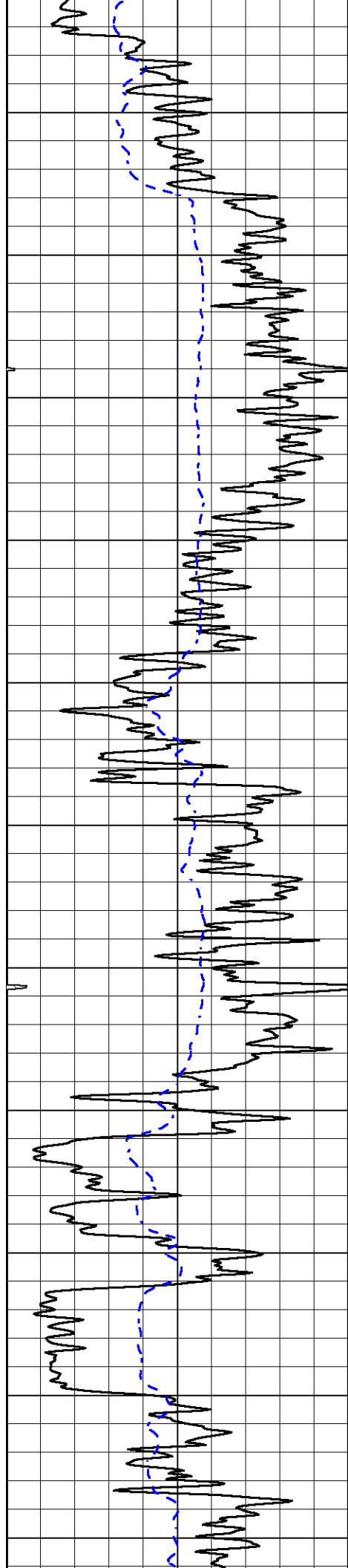
Your Pioneer Energy Services Crew		This Log Record Was Witnessed By	
Engineer: D. SCHMIDT		Primary Witness: BRYAN BYNOG	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

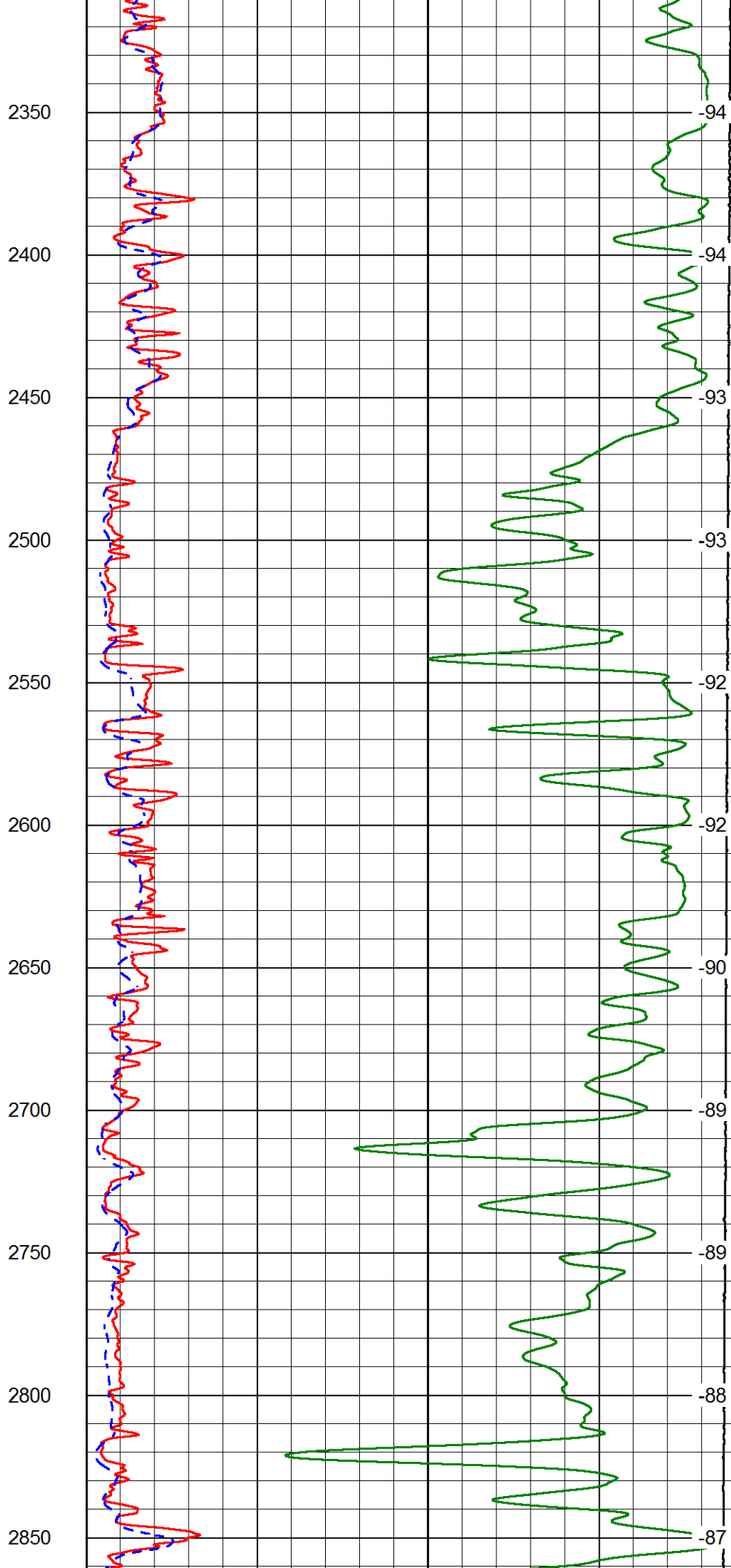
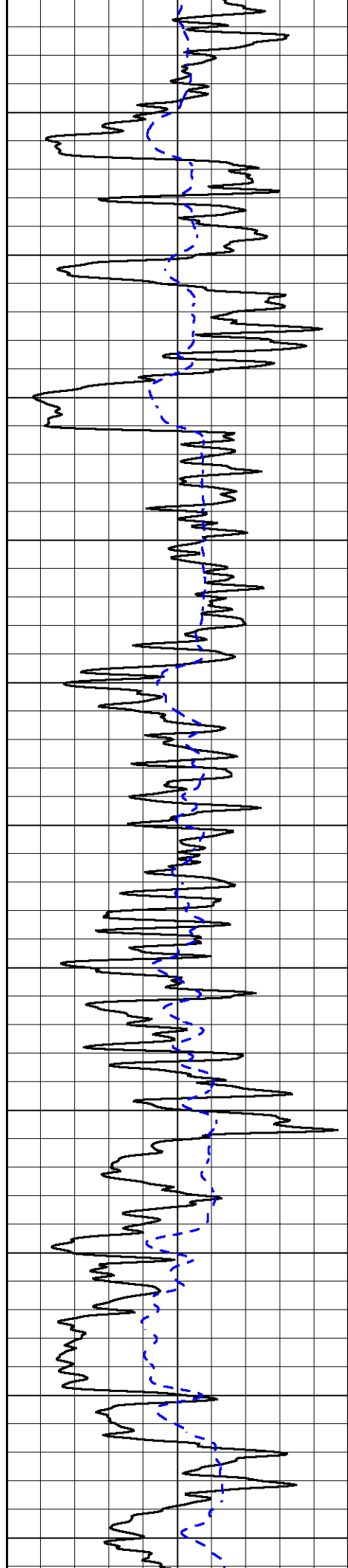
0	Gamma Ray (GAPI)	150	1000	Conductivity	0
-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
			Shallow Resistivity		LSPD (ft/min)
			50	(Ohm-m)	500
			50	Deep Resistivity (Ohm-m)	500

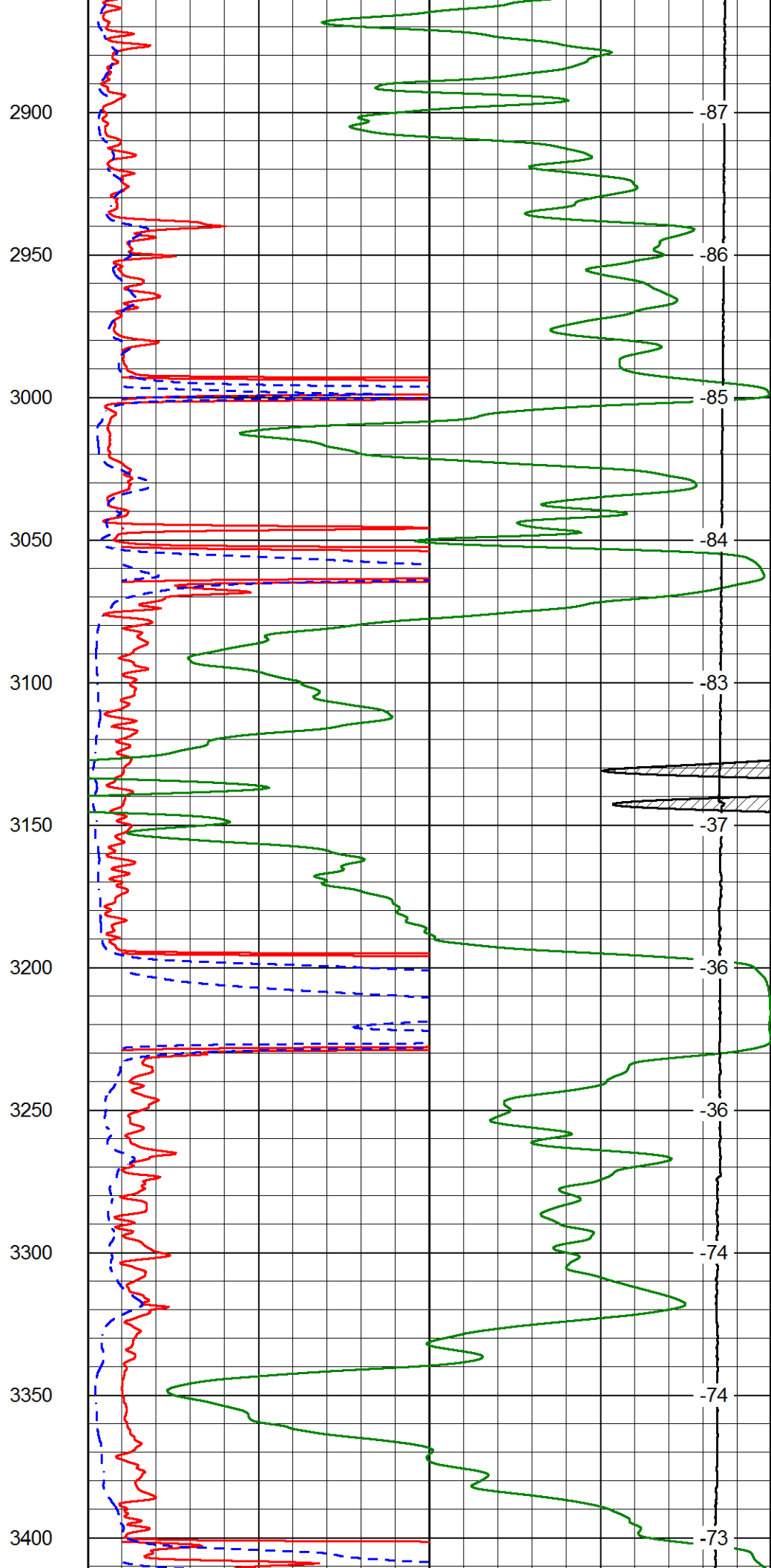
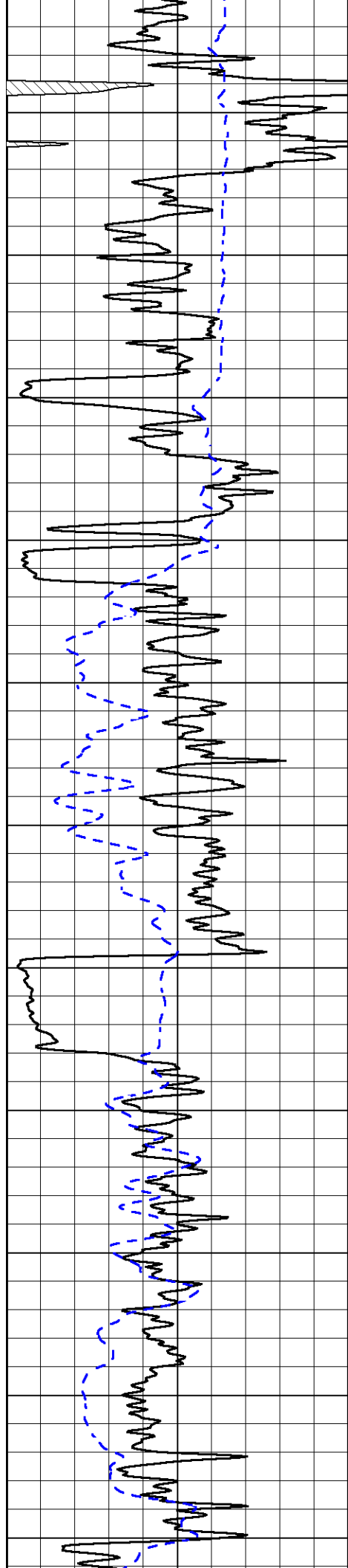


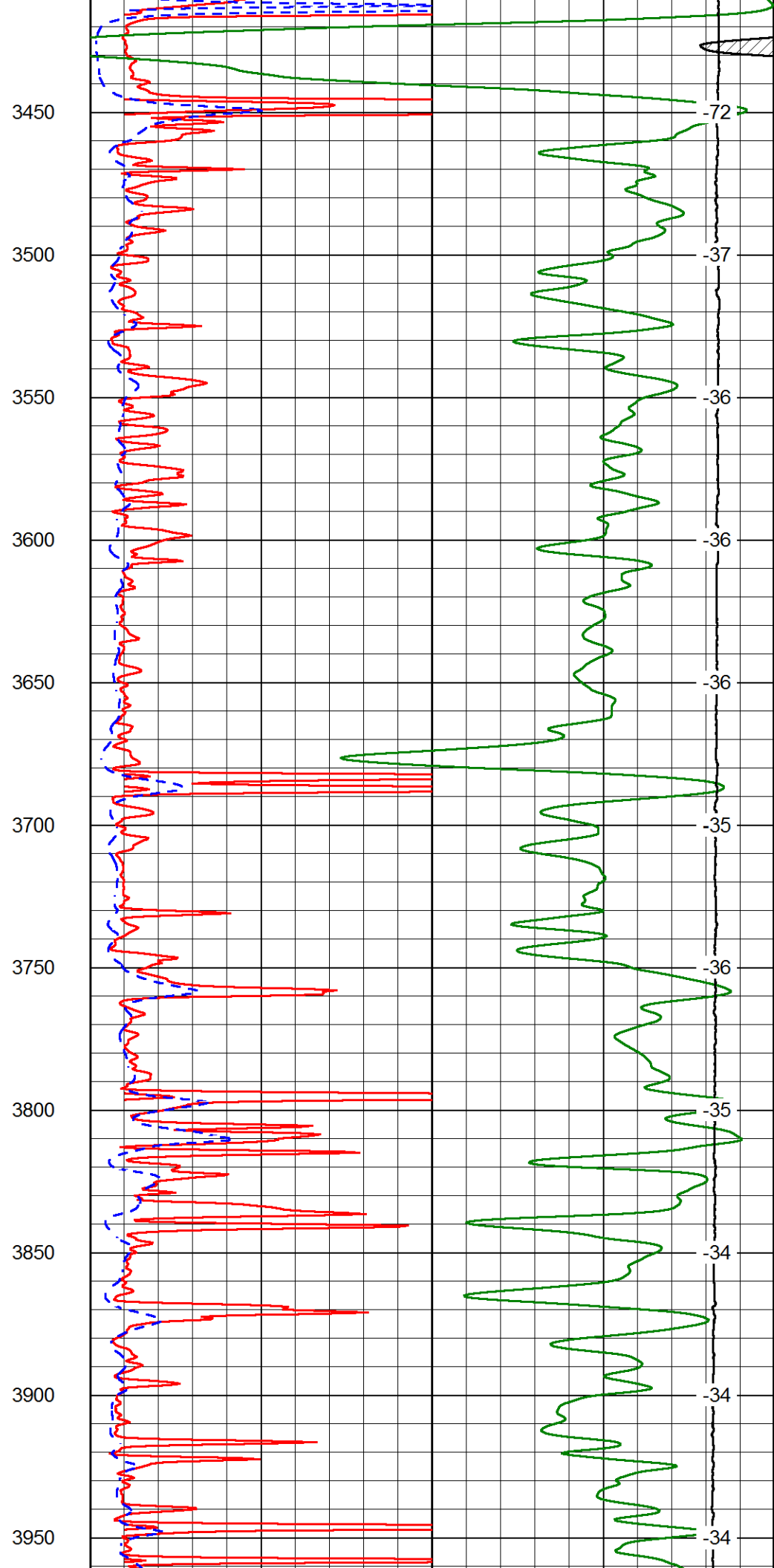
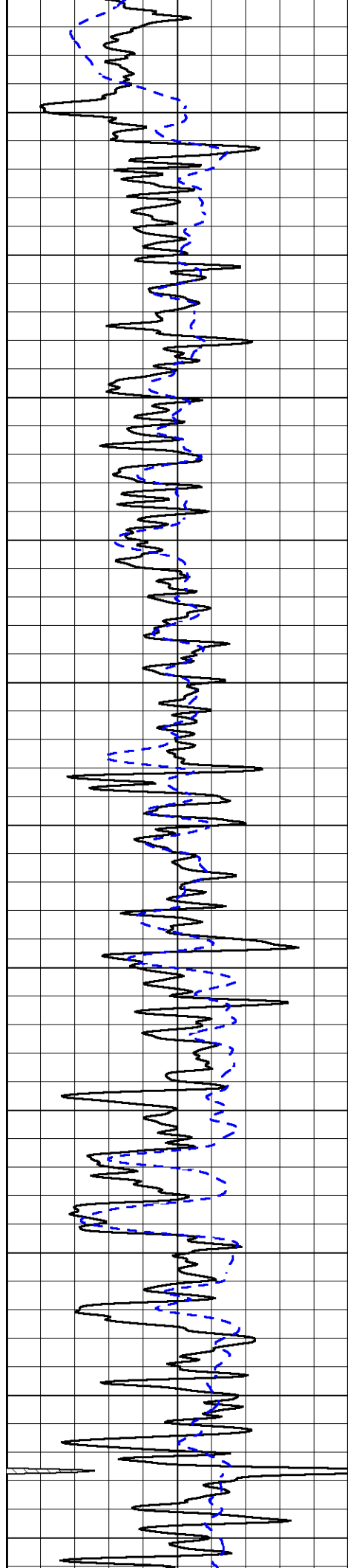


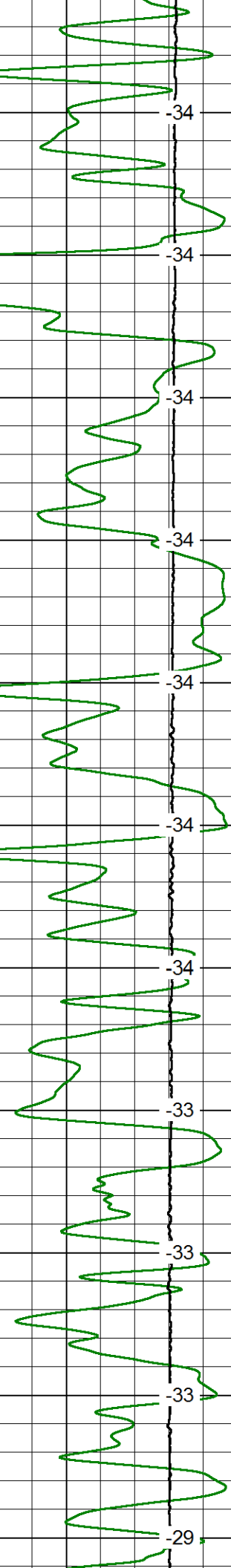
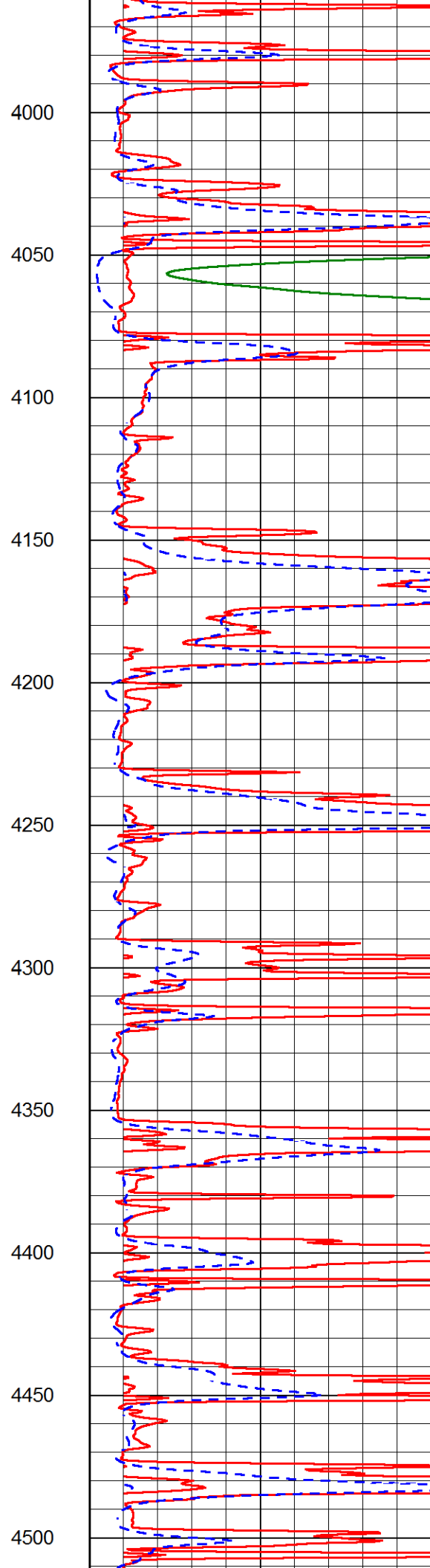
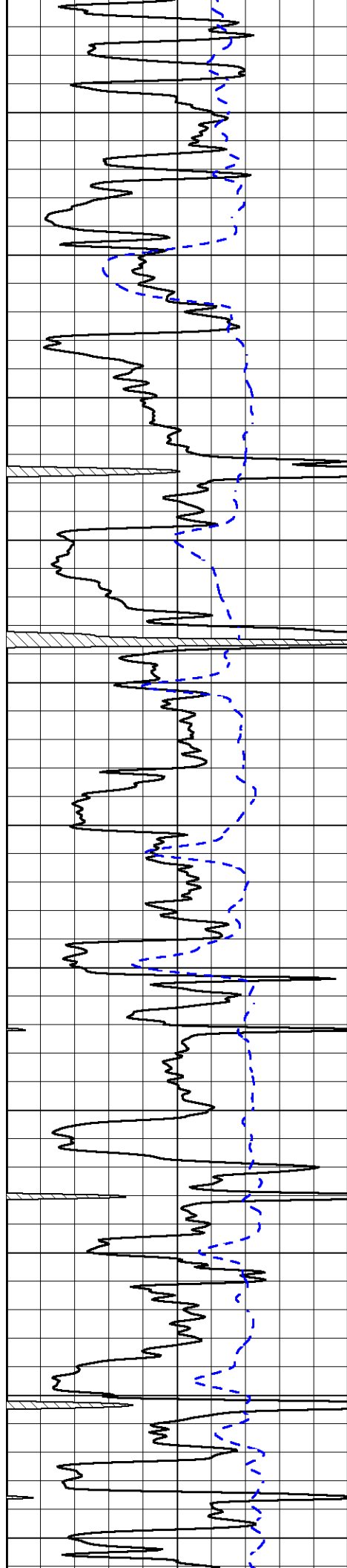


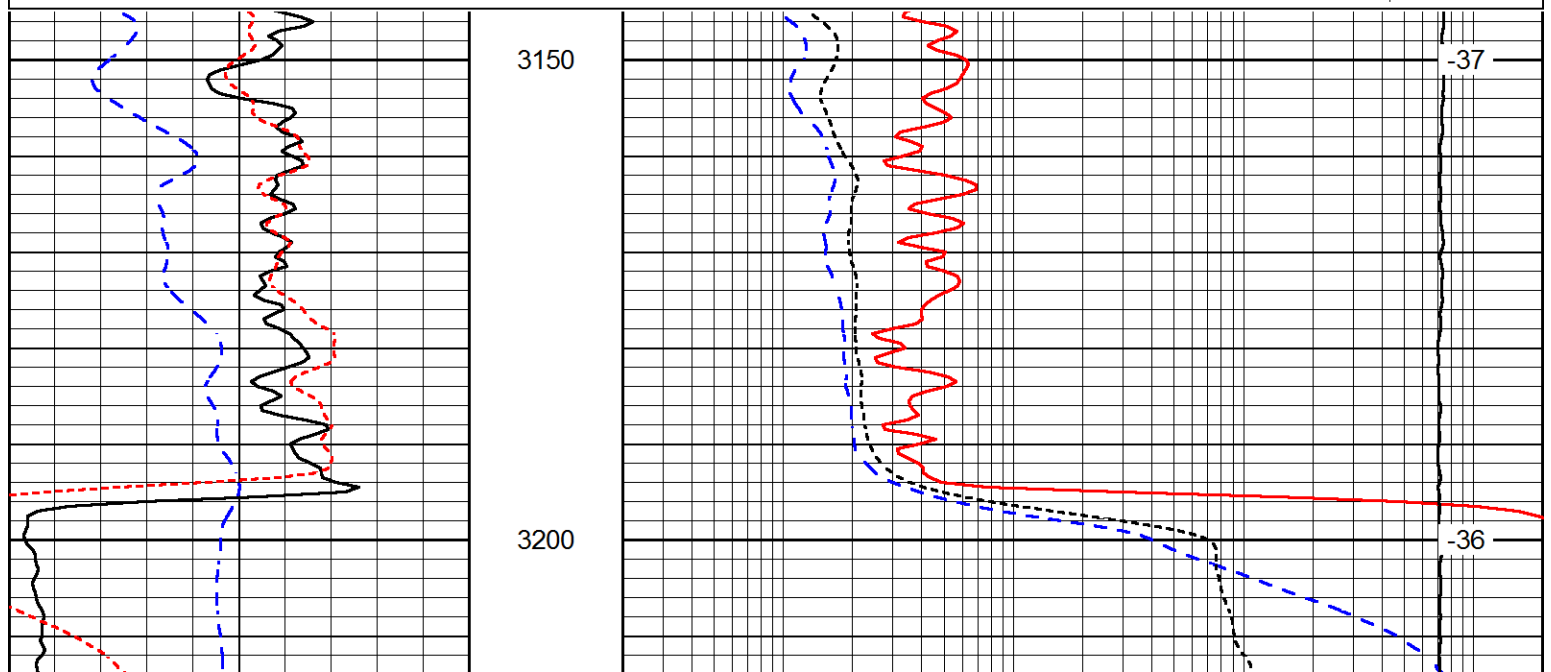
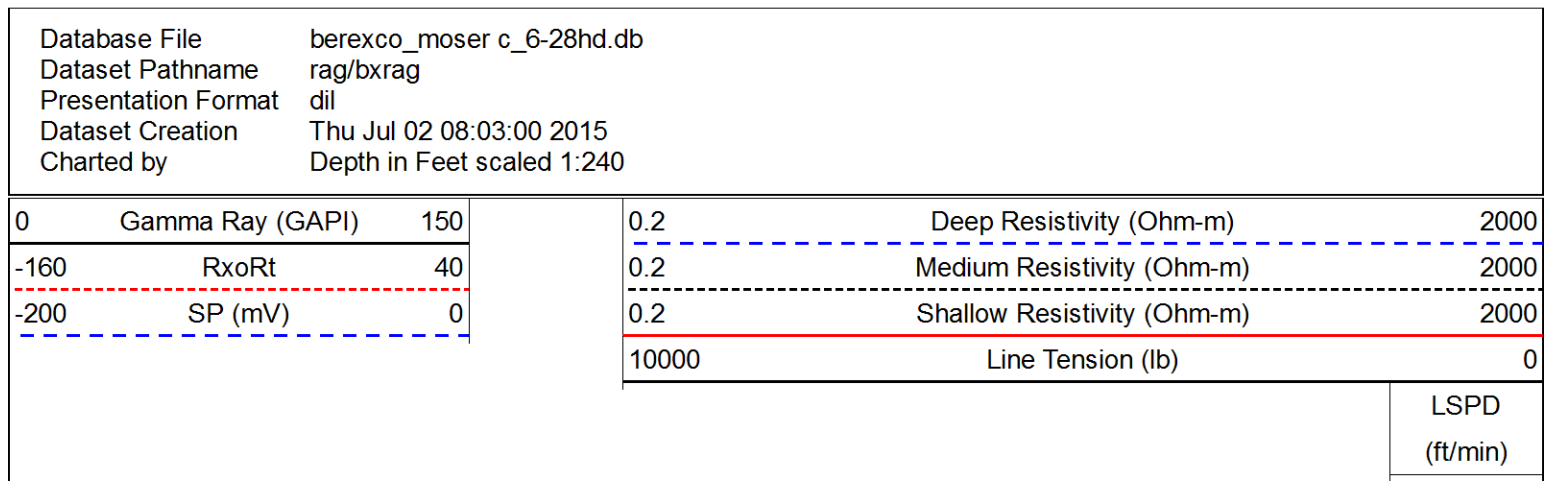
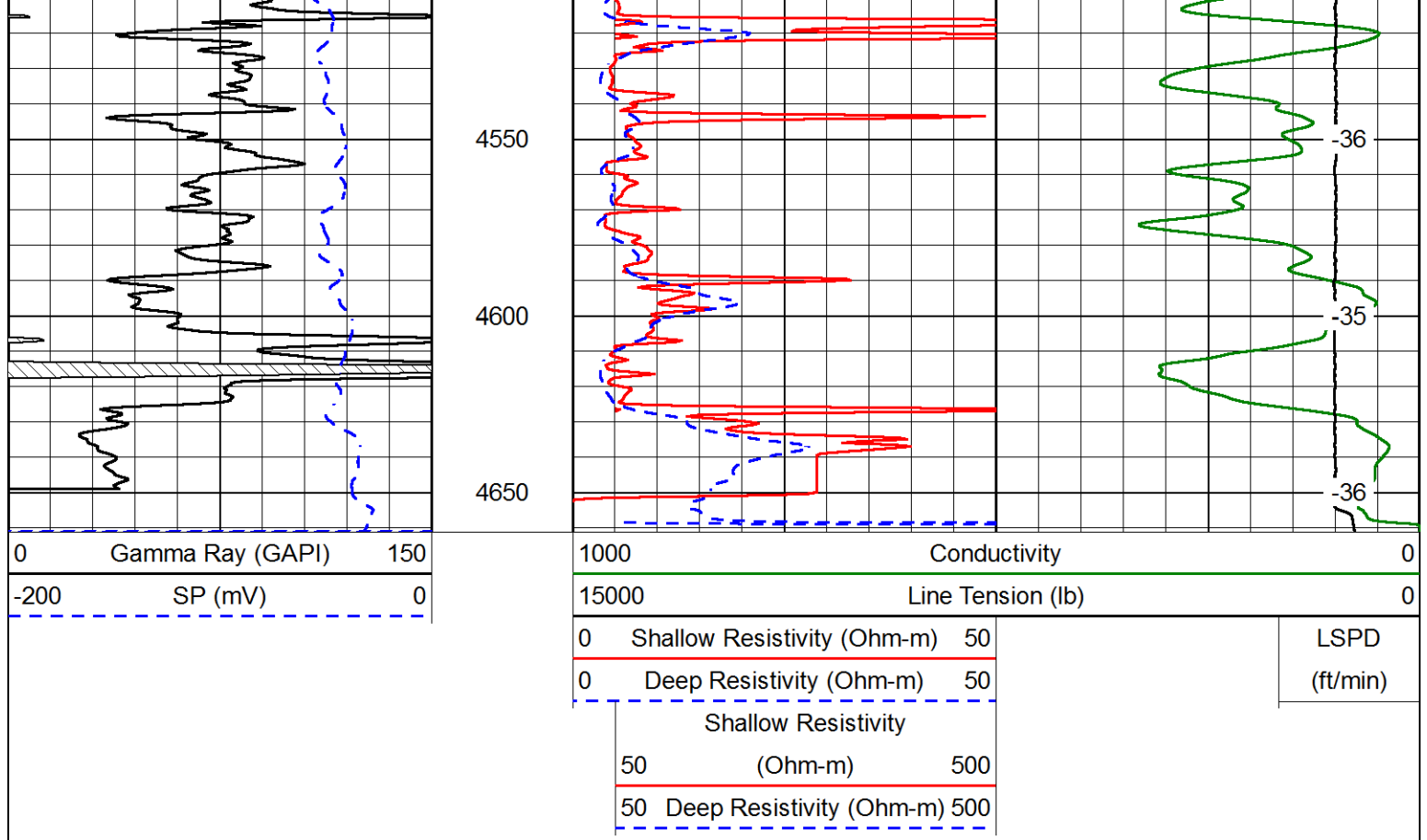


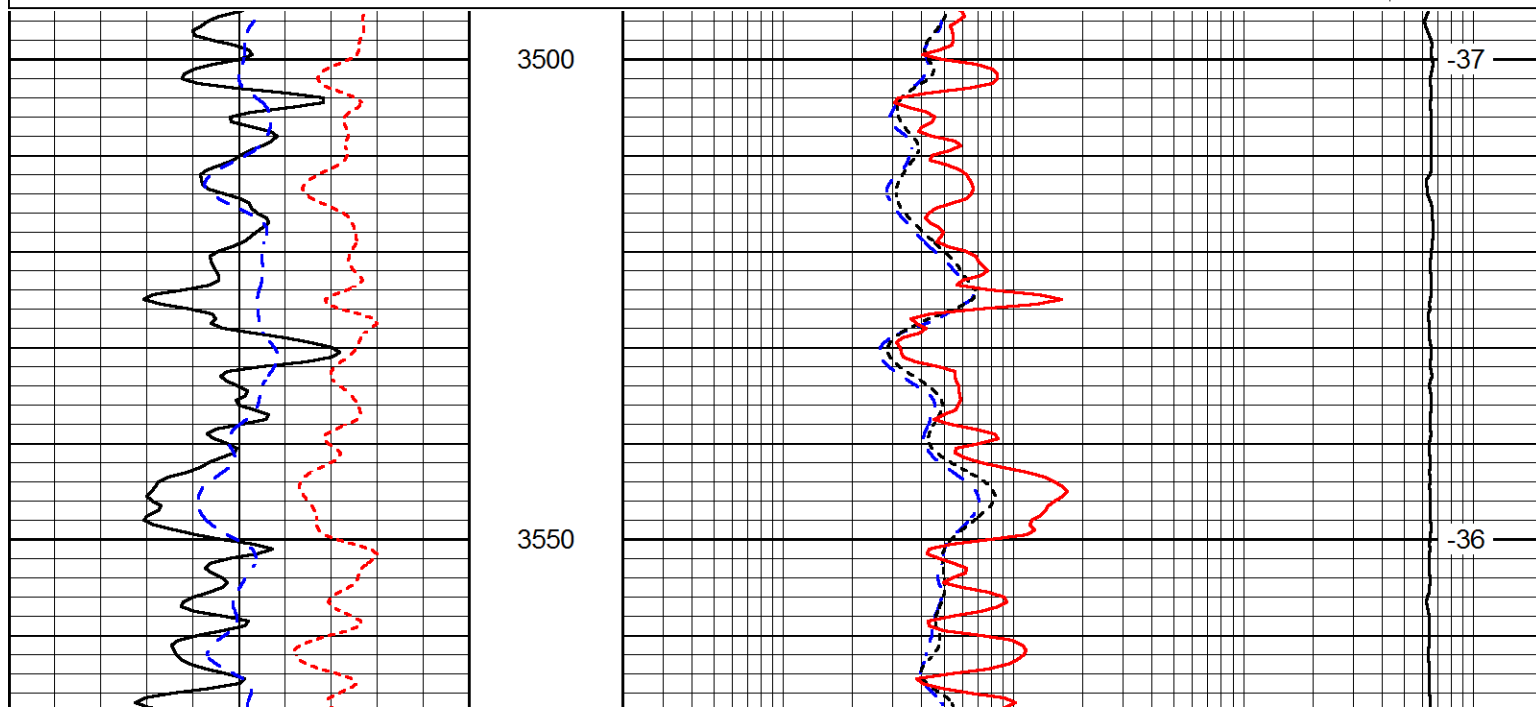
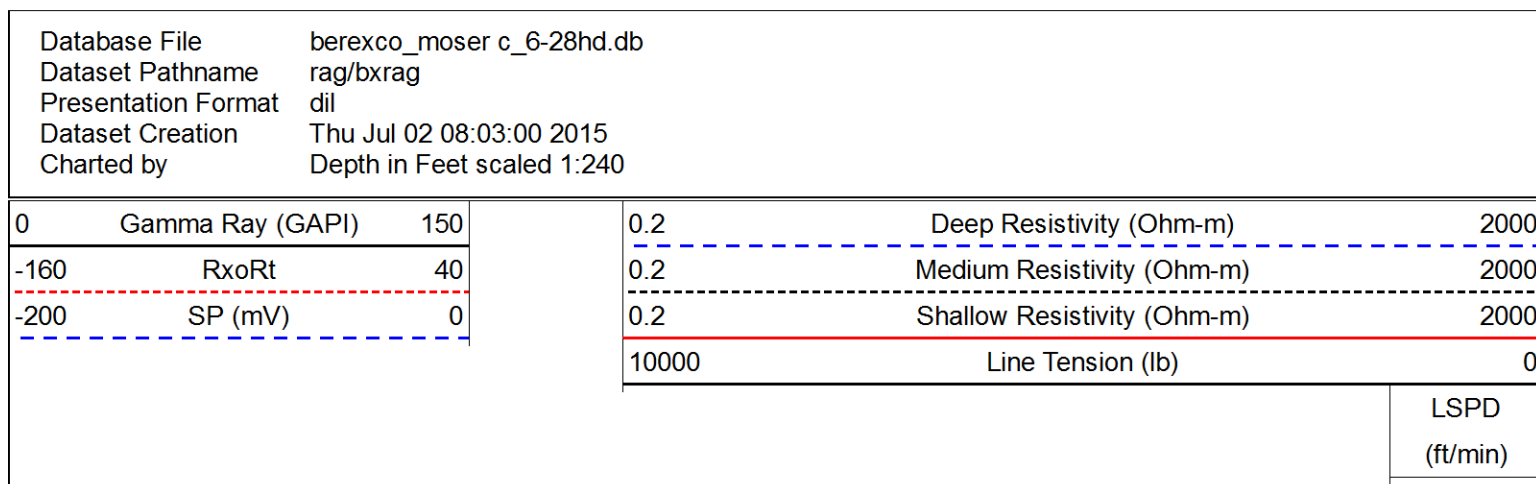
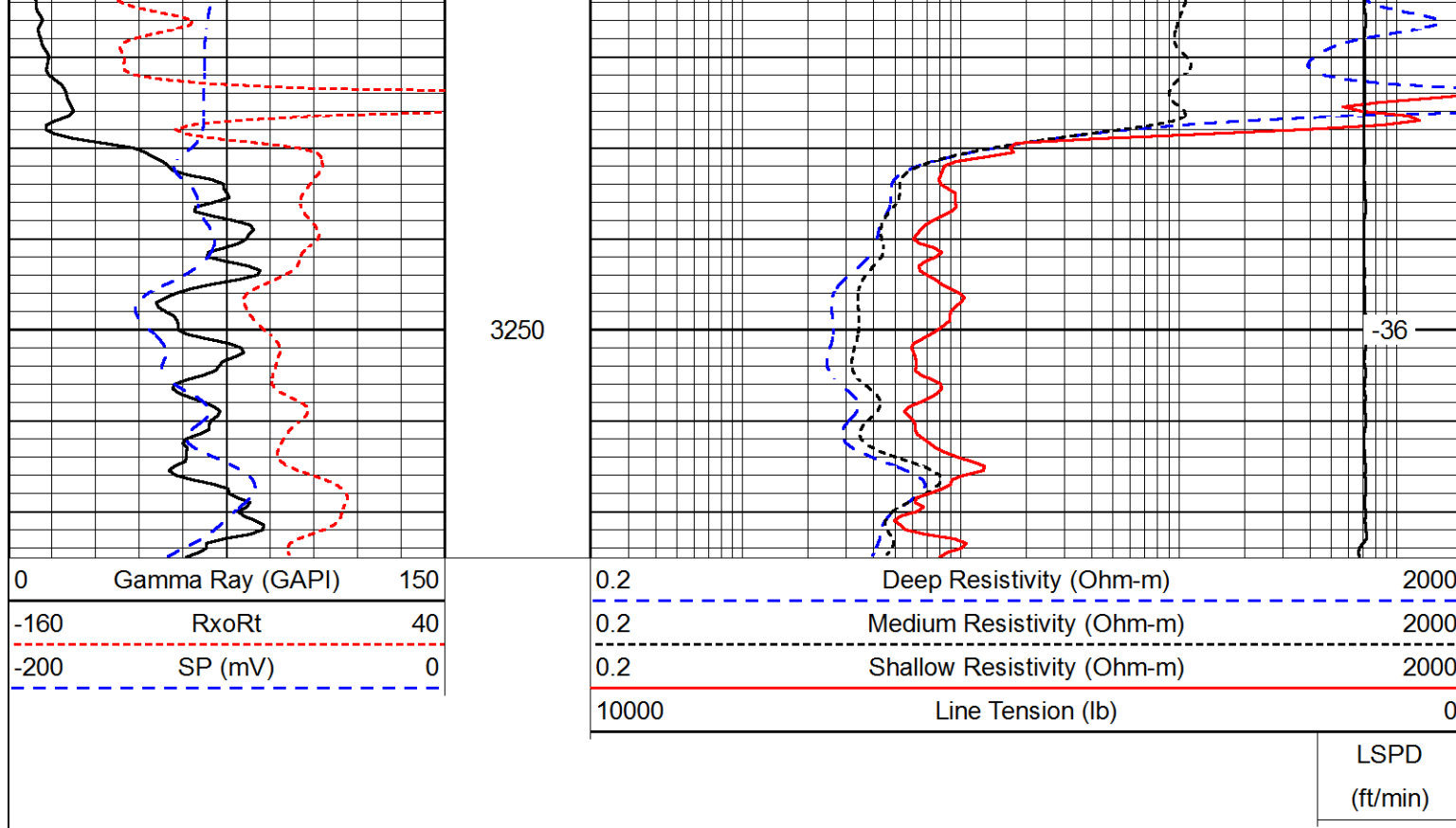


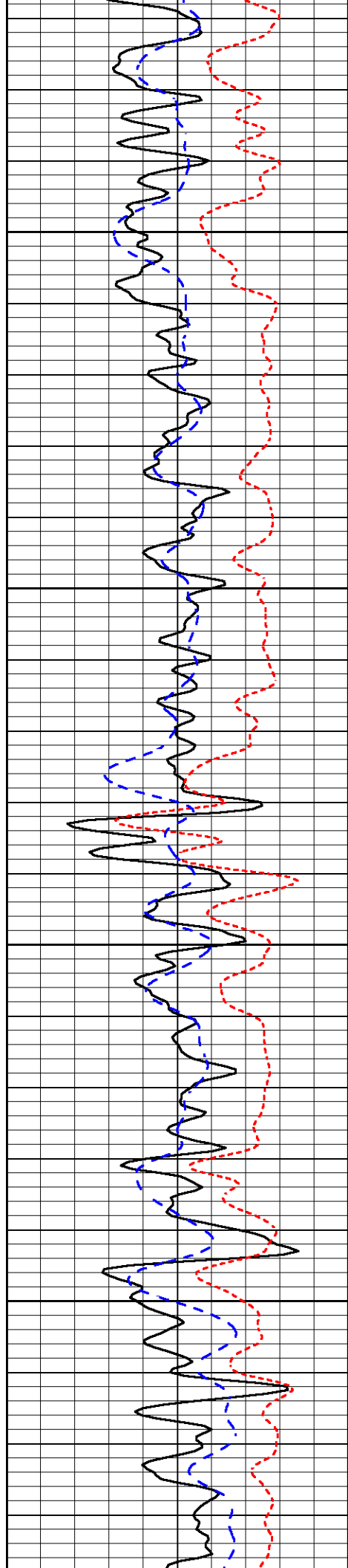










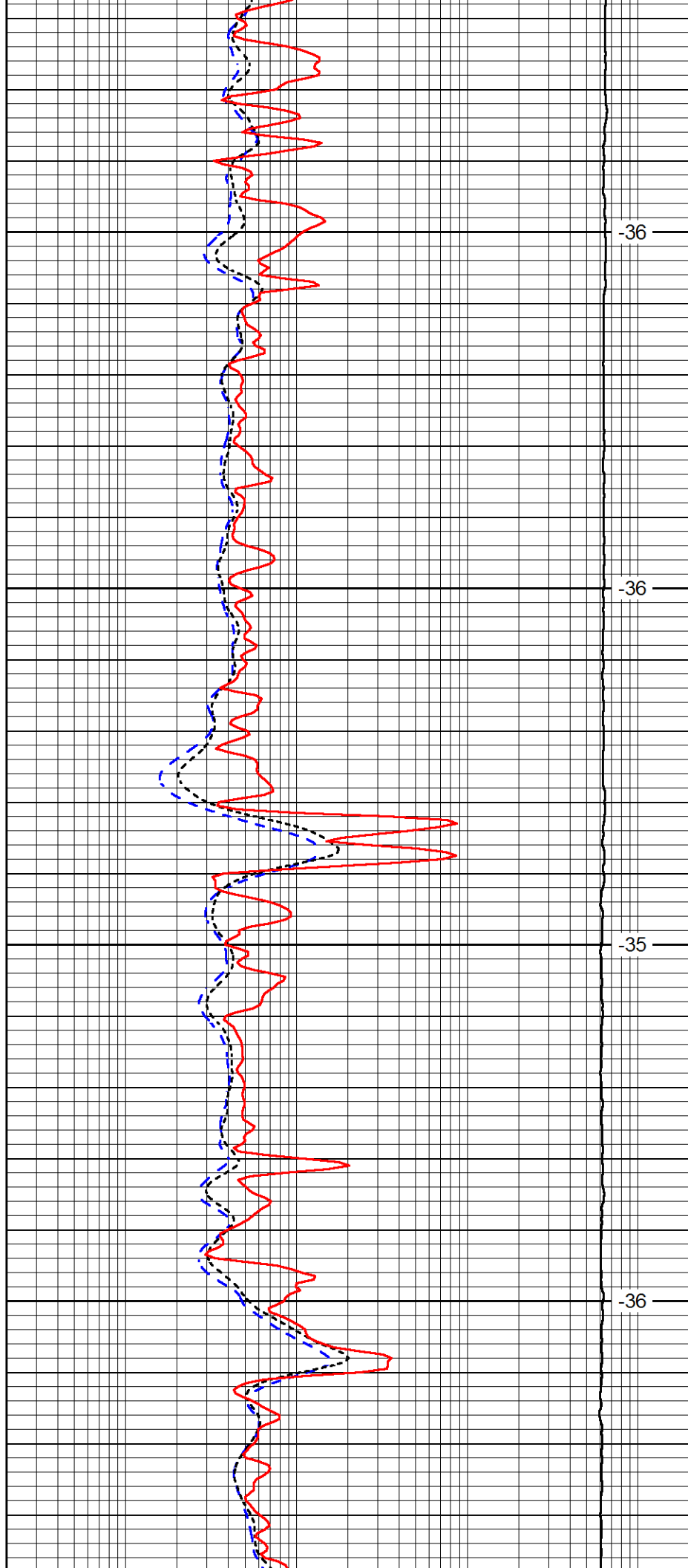


3600

3650

3700

3750

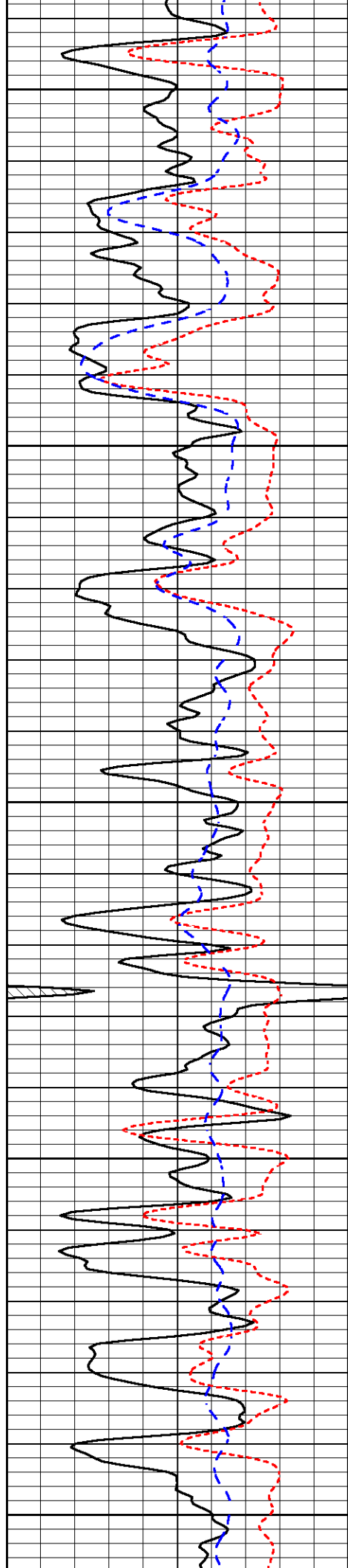


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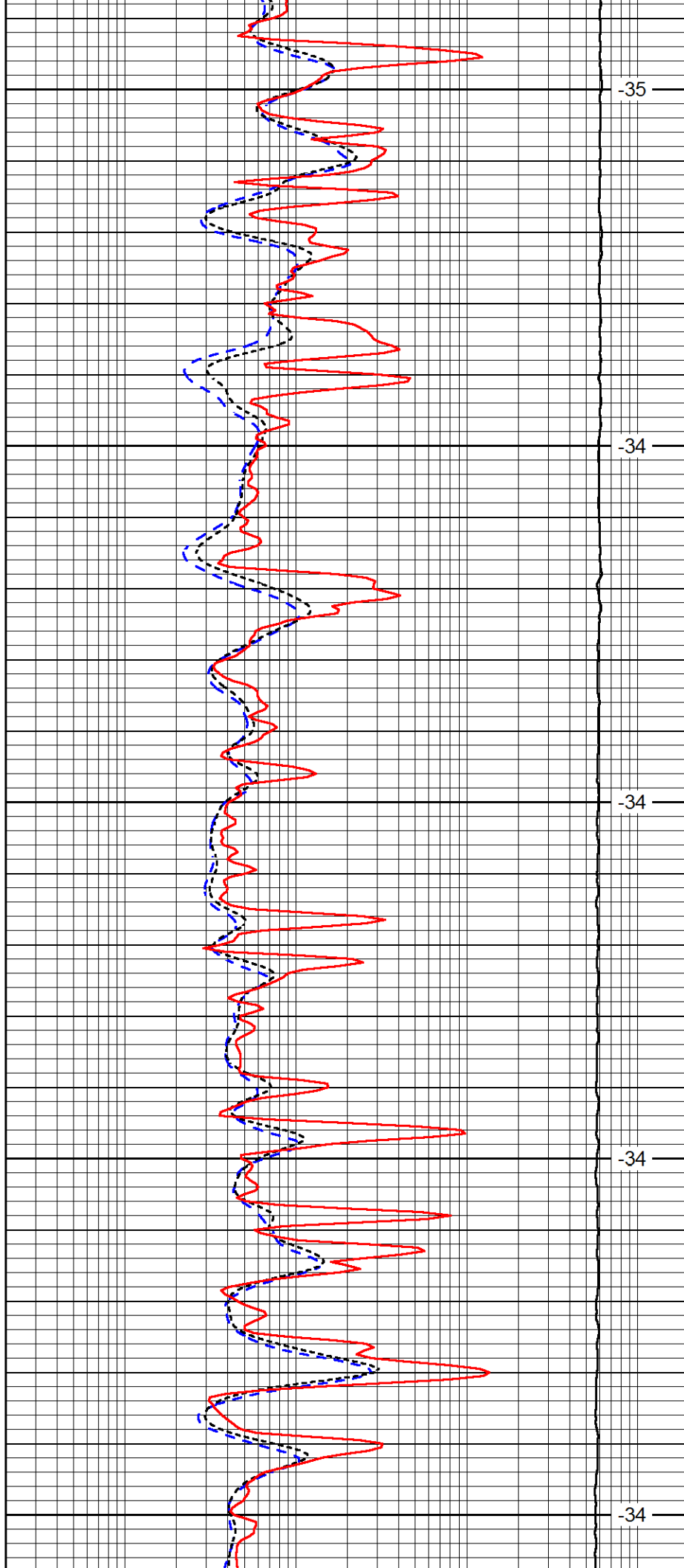
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3850

3900

3950

4000



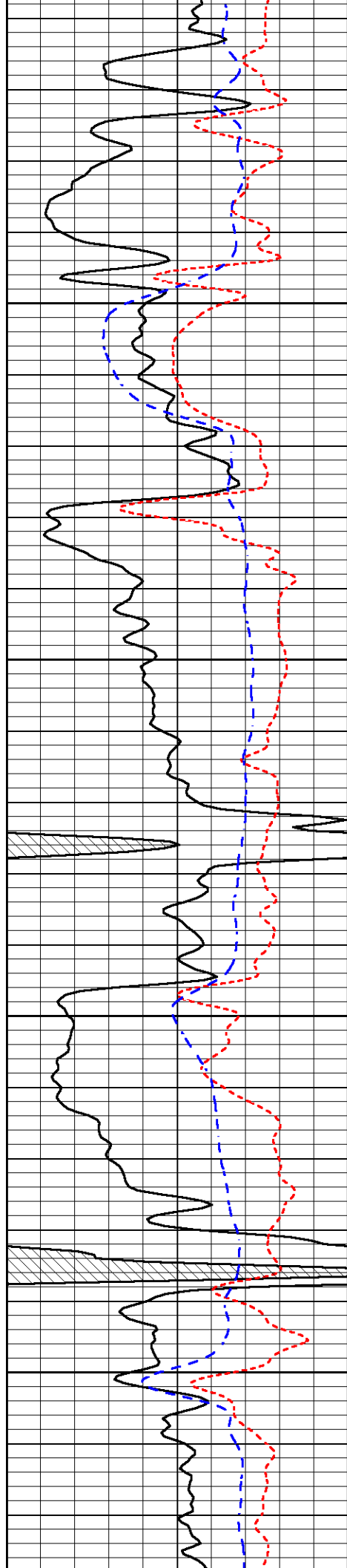
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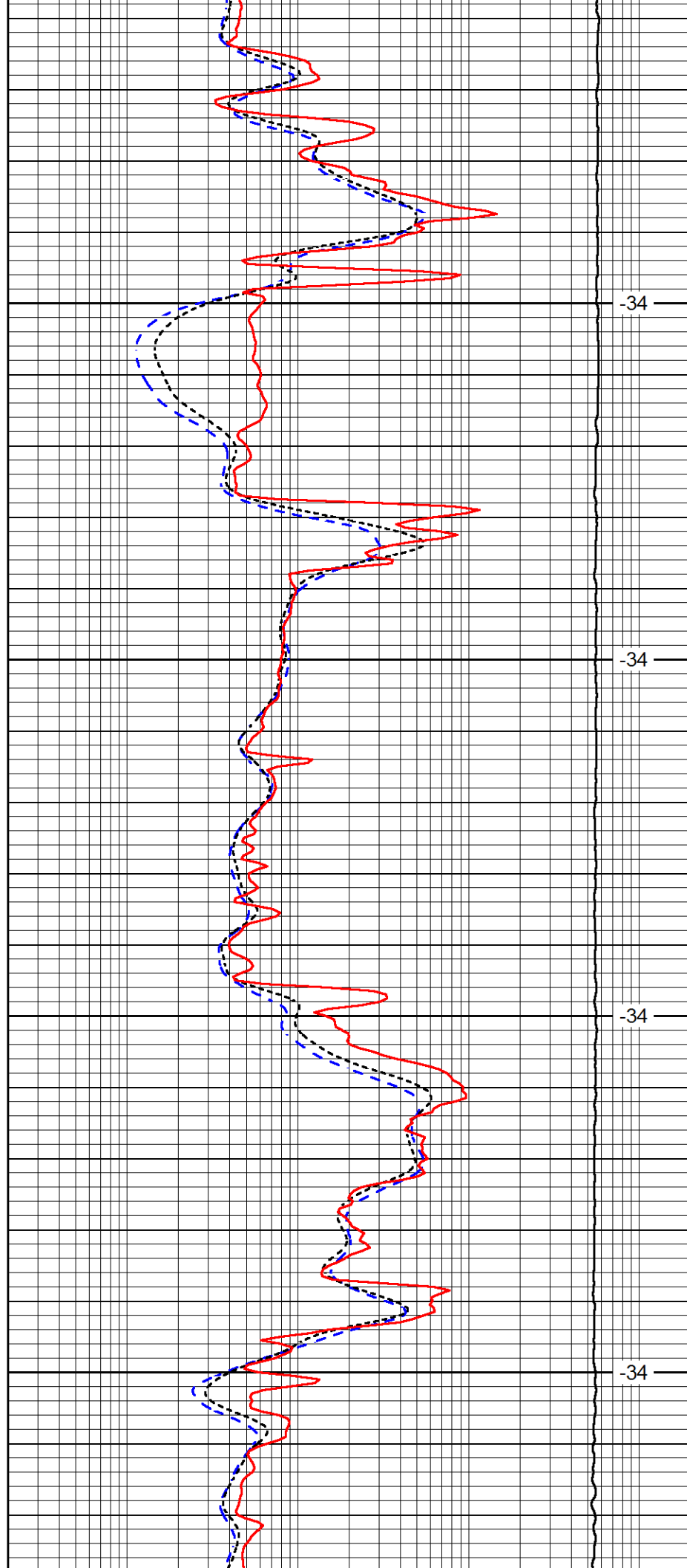


4050

4100

4150

4200

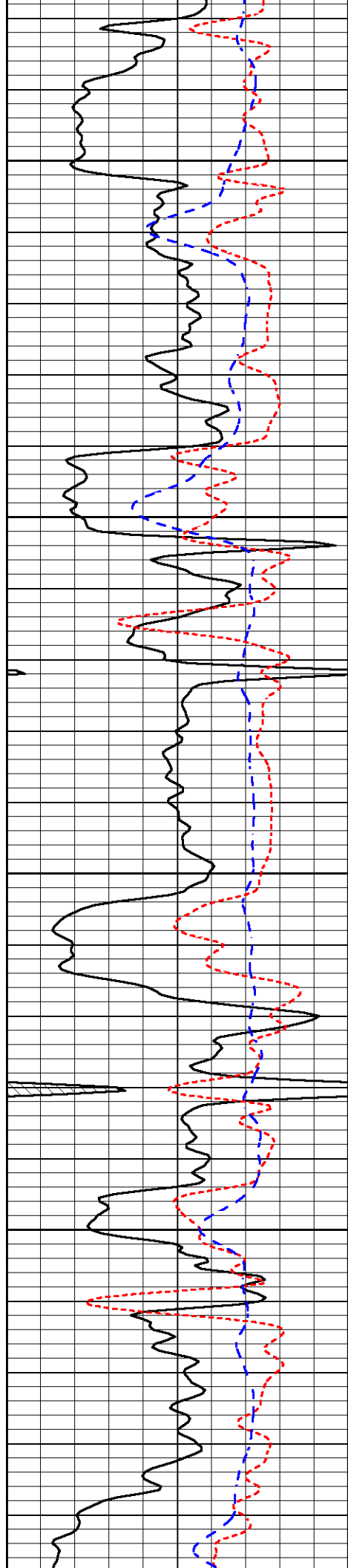


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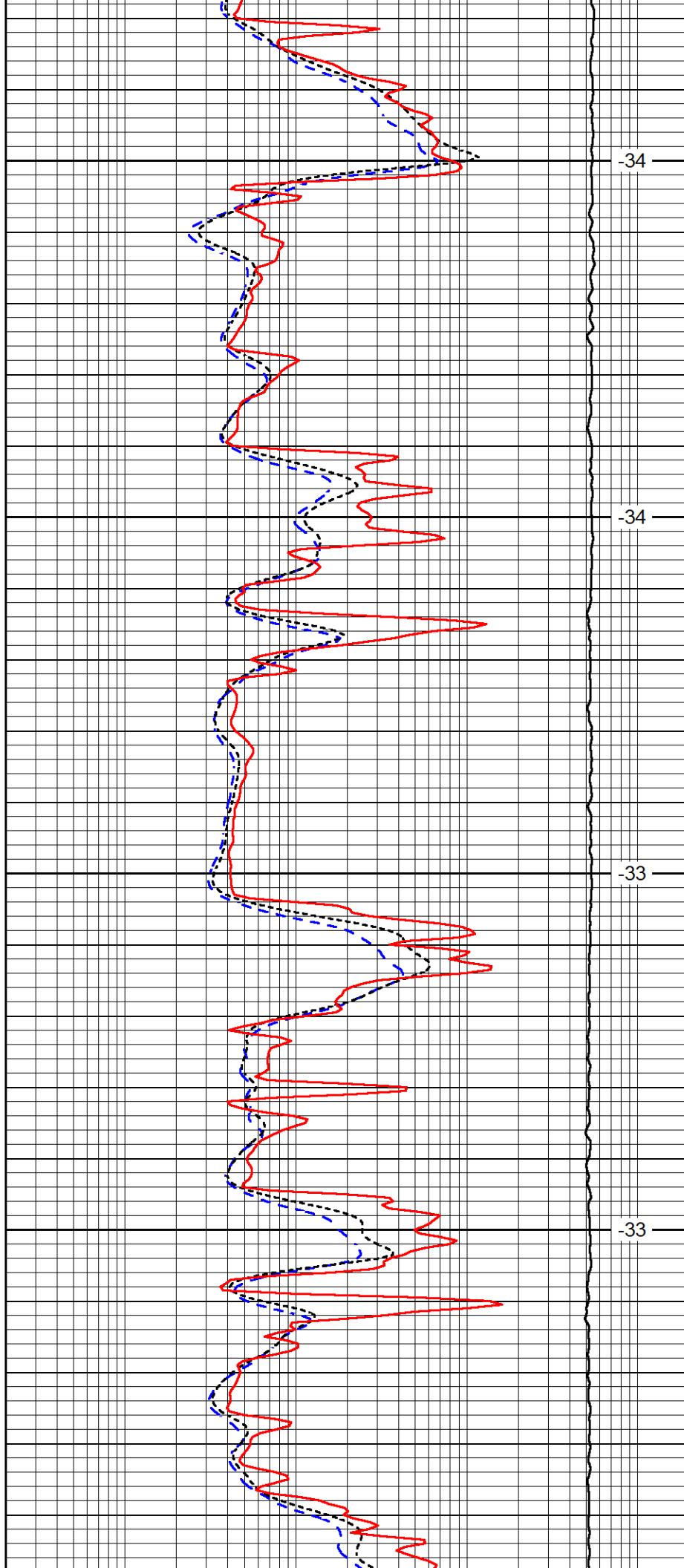


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4300

4350

4400

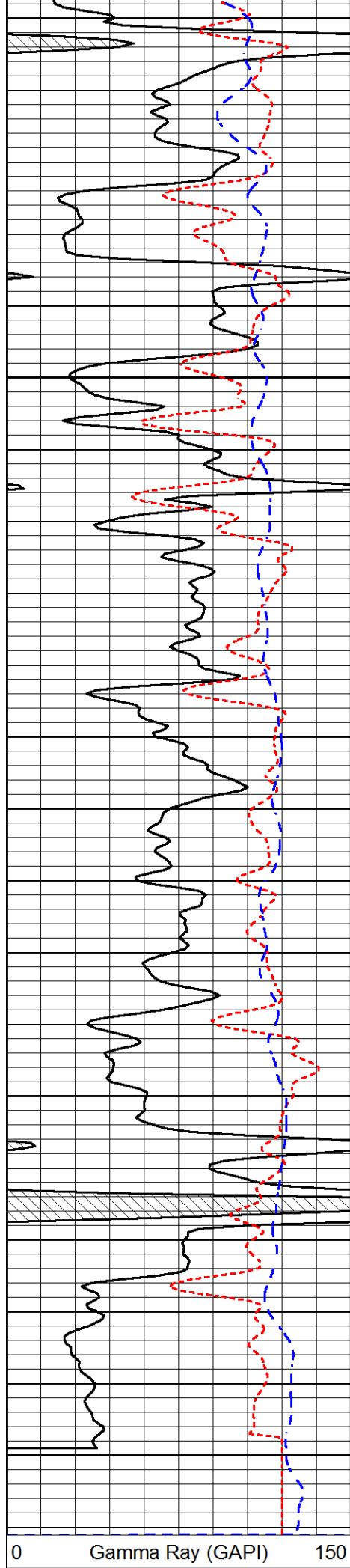


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4450

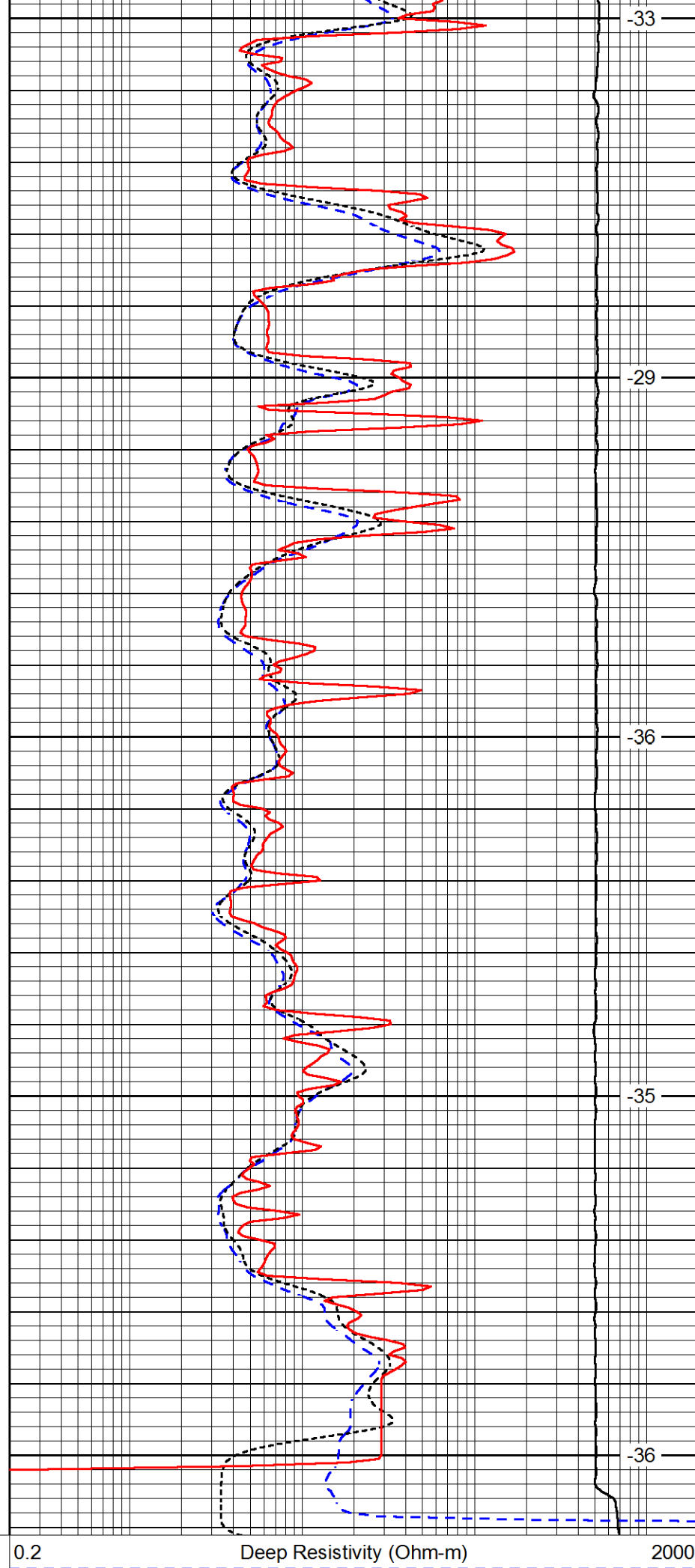
4500

4550

4600

4650

0 Gamma Ray (GAPI) 150



-33

-29

-36

-35

-36

0.2 Deep Resistivity (Ohm-m) 2000

-160	RxoRt	40
-200	SP (mV)	0

0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0
		LSPD (ft/min)