



Dual Induction Log

Pioneer Energy Services

API No.	Company LB Exploration, Inc.		
	Well Jezek #4		
	Field Stollenberg		
	County Ellsworth State Kansas		
	Location	2310' FNL & 1155' FEL	
	Sec: 21	Twp: 16 S	Rge: 10 W
	Permanent Datum	Ground Level	Elevation 1862
	Log Measured From	Kelly Bushing	13 Ft. Above Perm. Datum
	Drilling Measured From	Kelly Bushing	K.B. 1875 D.F. 1862 G.L. 1862
Date	3/5/2013		
Run Number	One		
Depth Driller	3610		
Depth Logger	3610		
Bottom Logged Interval	3609		
Top Log Interval	650		
Casing Driller	8.625 @ 668		
Casing Logger	667		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	5000		
Density / Viscosity	9.2 59		
pH / Fluid Loss	9.0 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	.68 @ 50		
Rmf @ Meas. Temp	.51 @ 50		
Rmc @ Meas. Temp	.92 @ 50		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.30 @ 114		
Operating Rig Time	4 1/2 Hours		
Max Rec. Temp. F	114		
Equipment Number	91		
Location	Hays		
Recorded By	D. Martin		
Witnessed By	Steven Petermann		

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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

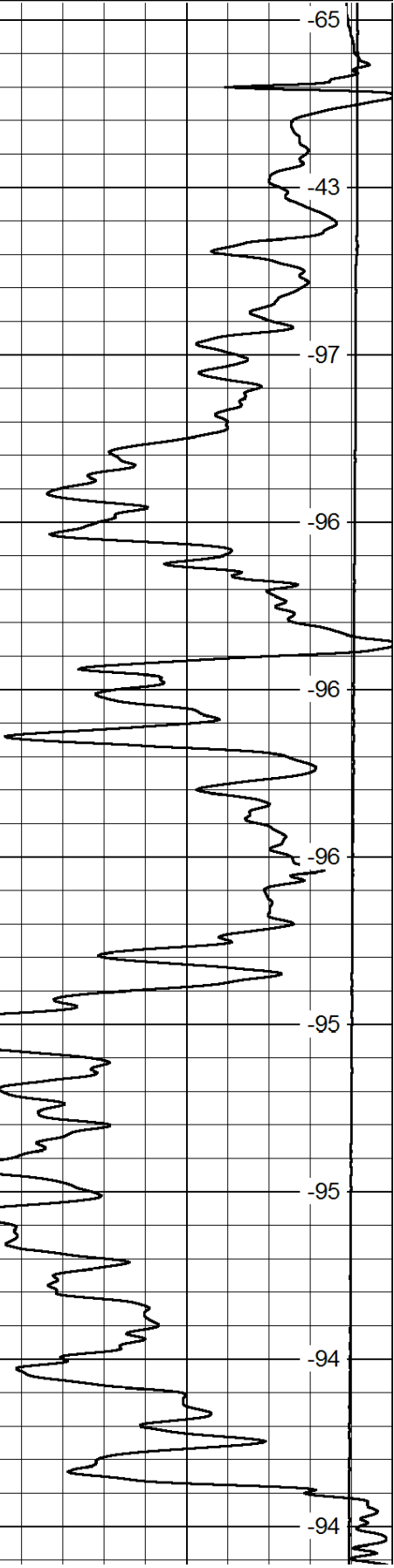
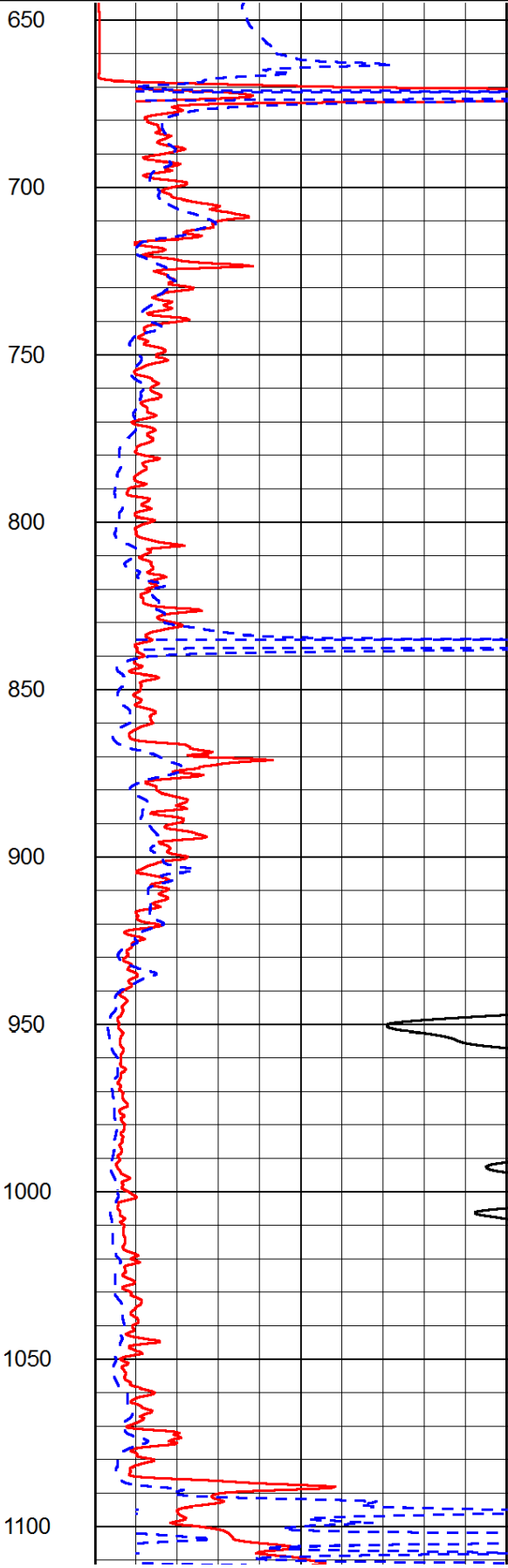
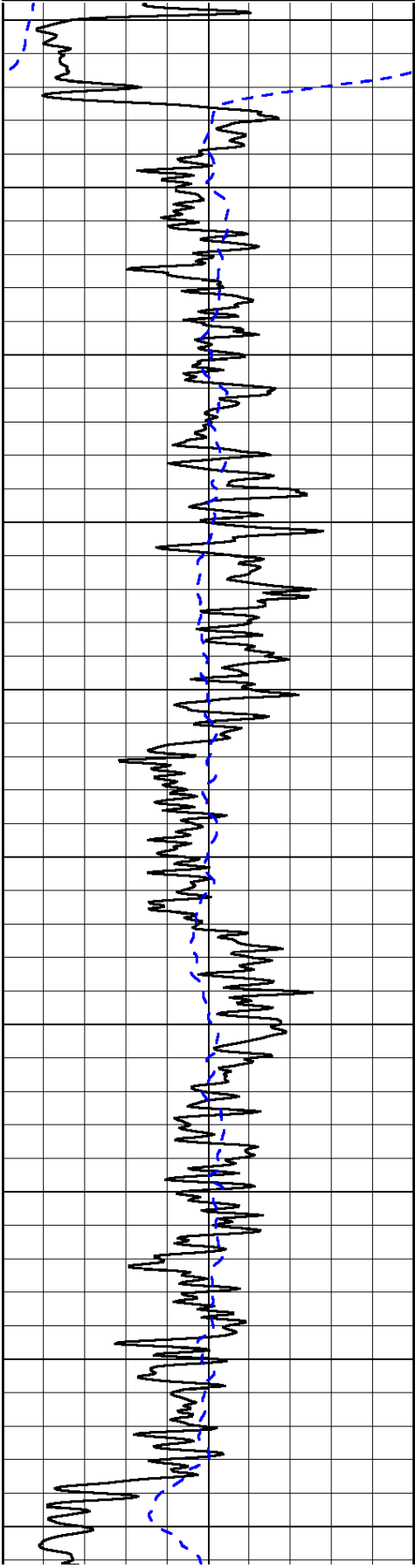
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Wilson, KS
S on Hwy 150 to P Rd.,
3 E to 4 Rd., 1/2 S to driveway,
W Into

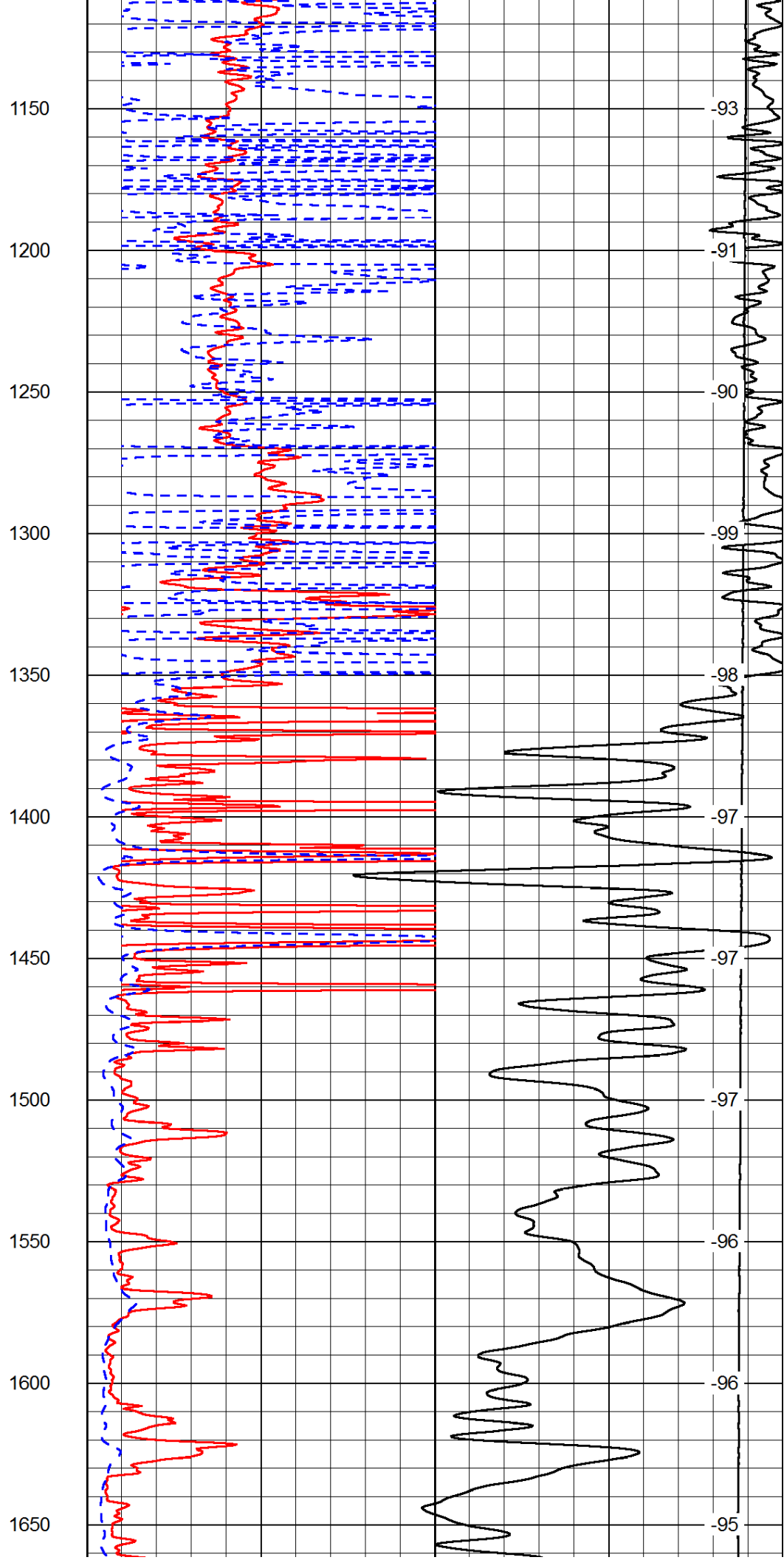
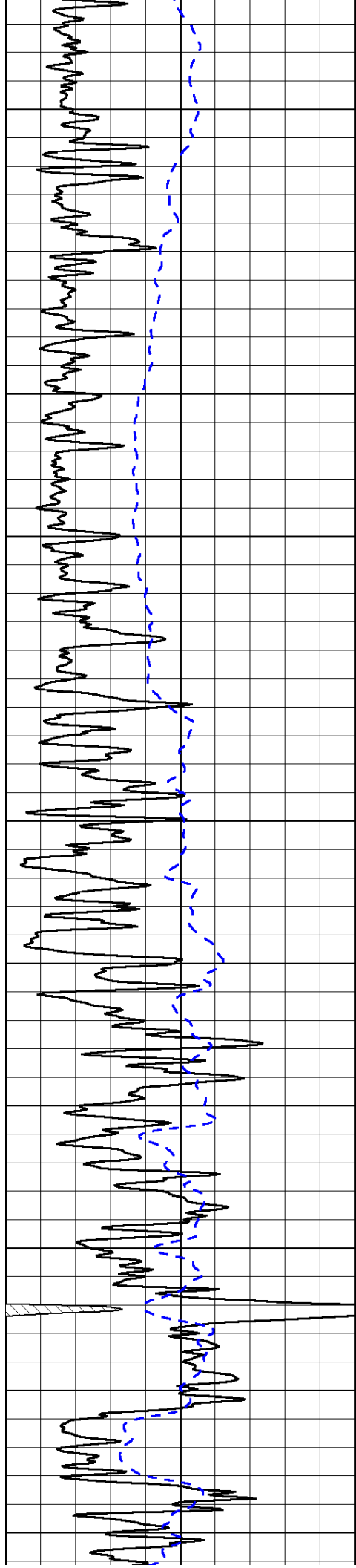
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Presentation Format: dil2in
Dataset Creation: Tue Mar 05 17:55:21 2013
Charted by: Depth in Feet scaled 1:600

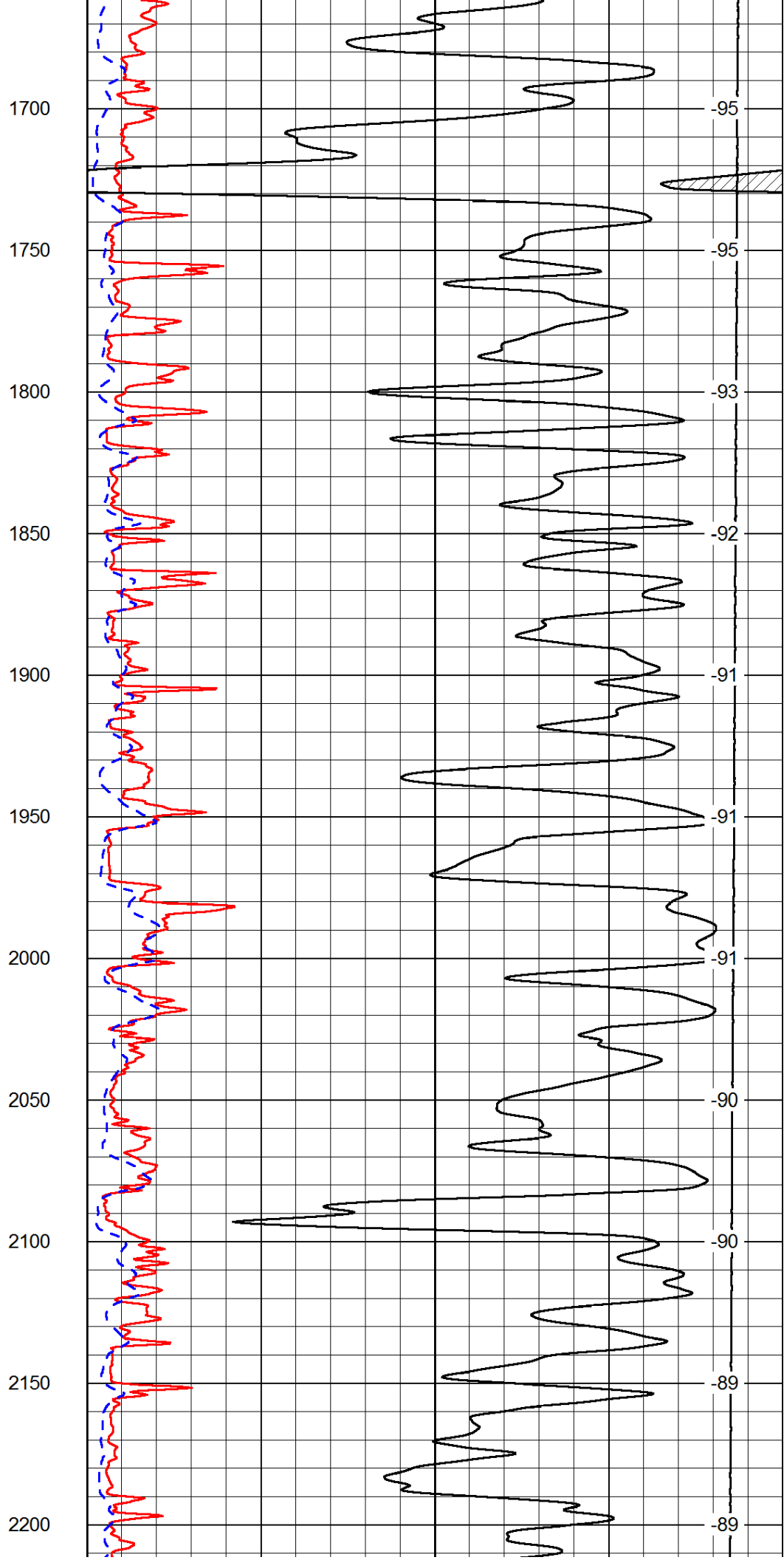
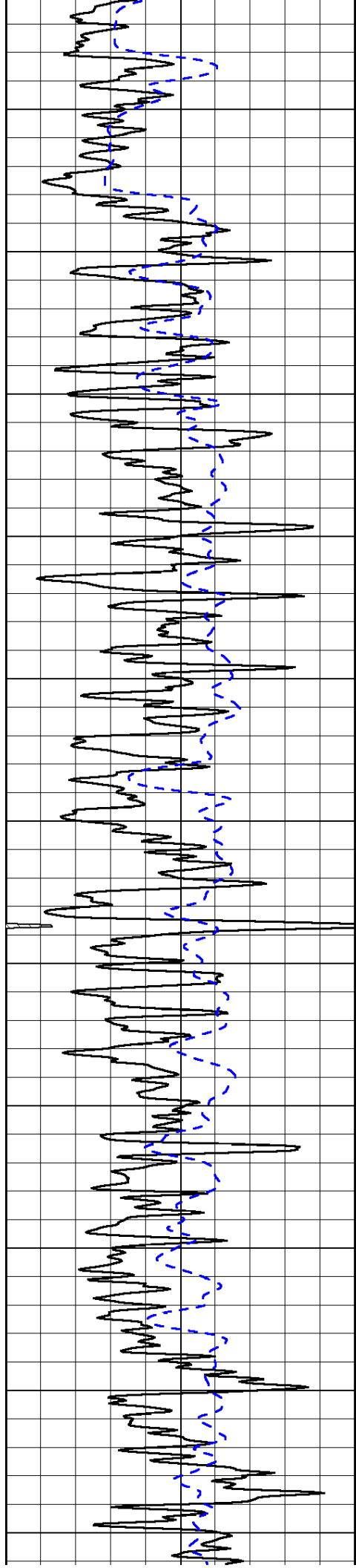
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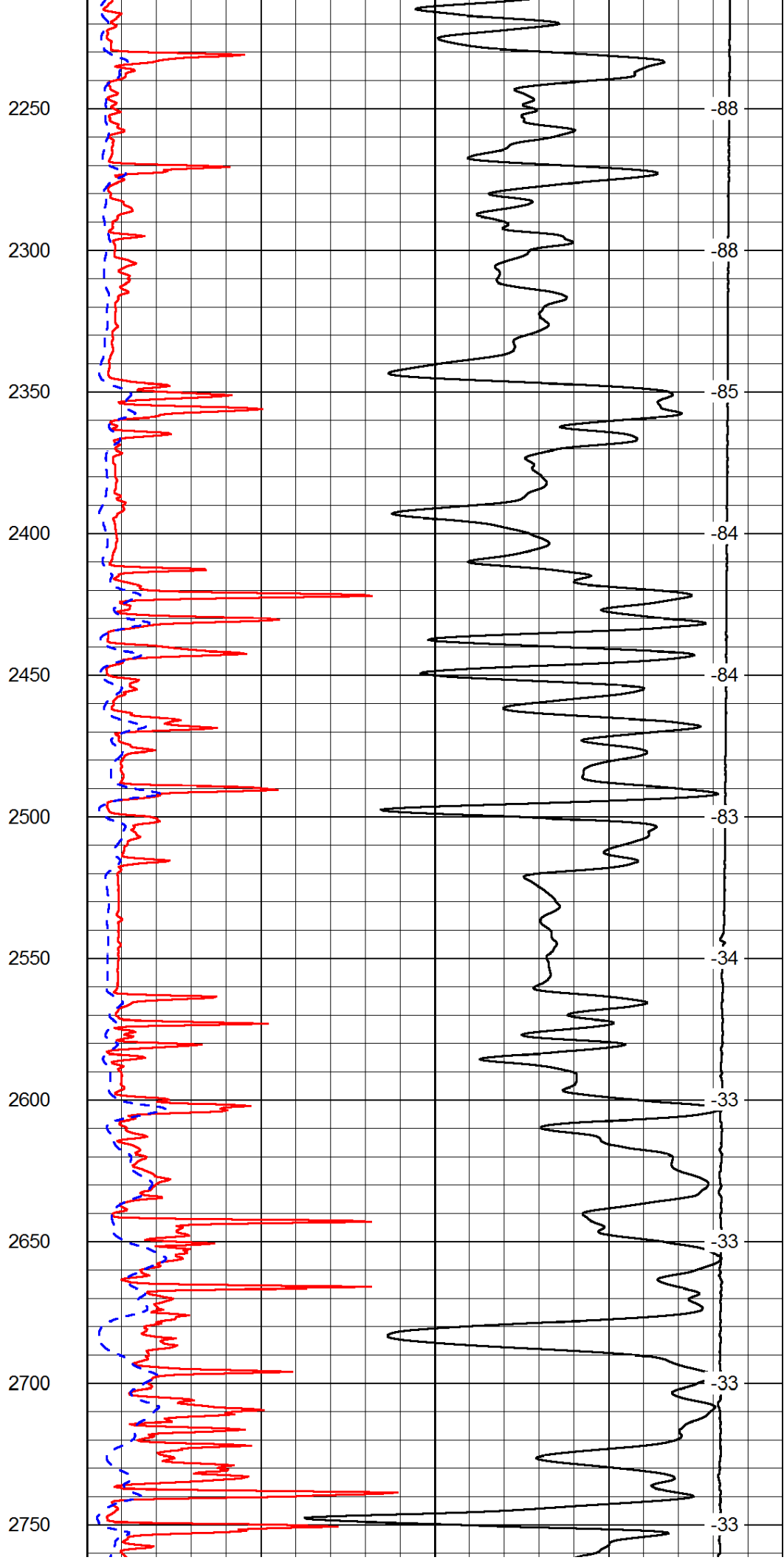
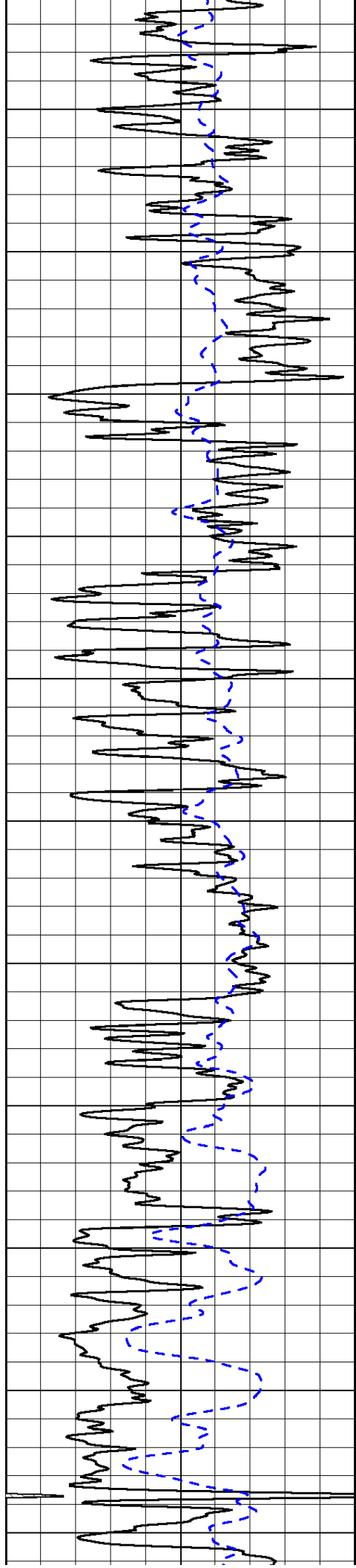
0	Gamma Ray	150
-200	SP (mV)	0

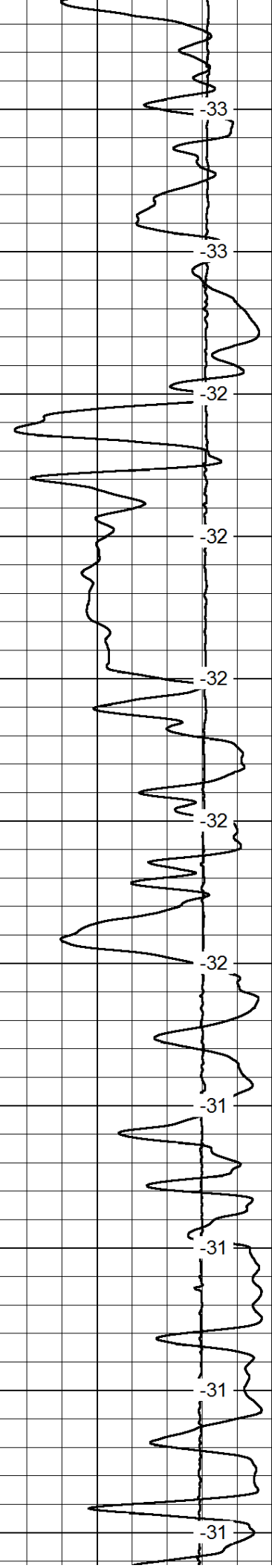
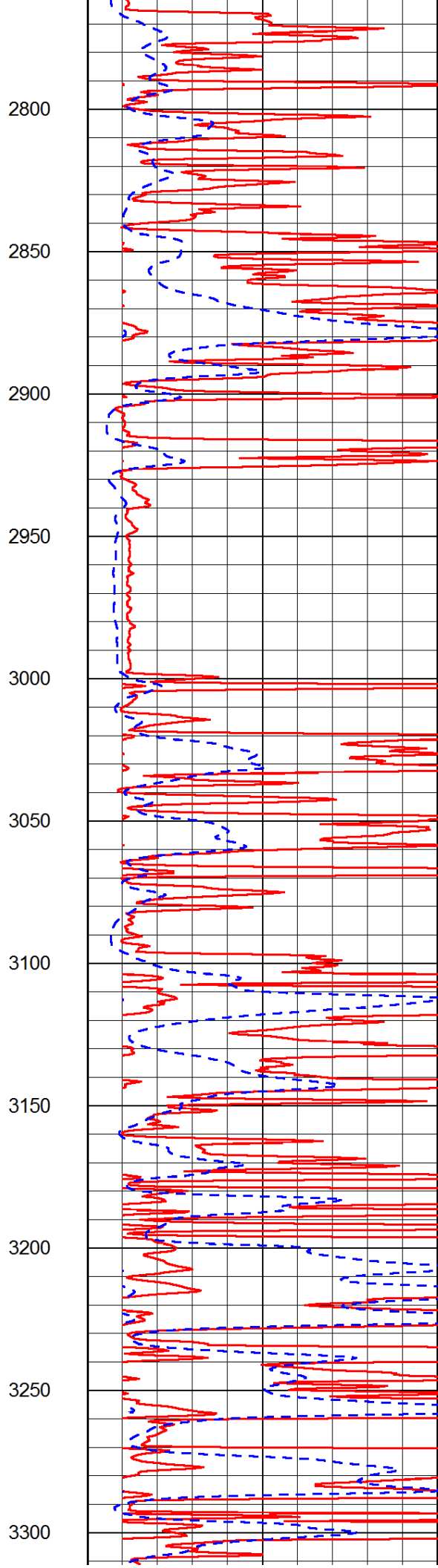
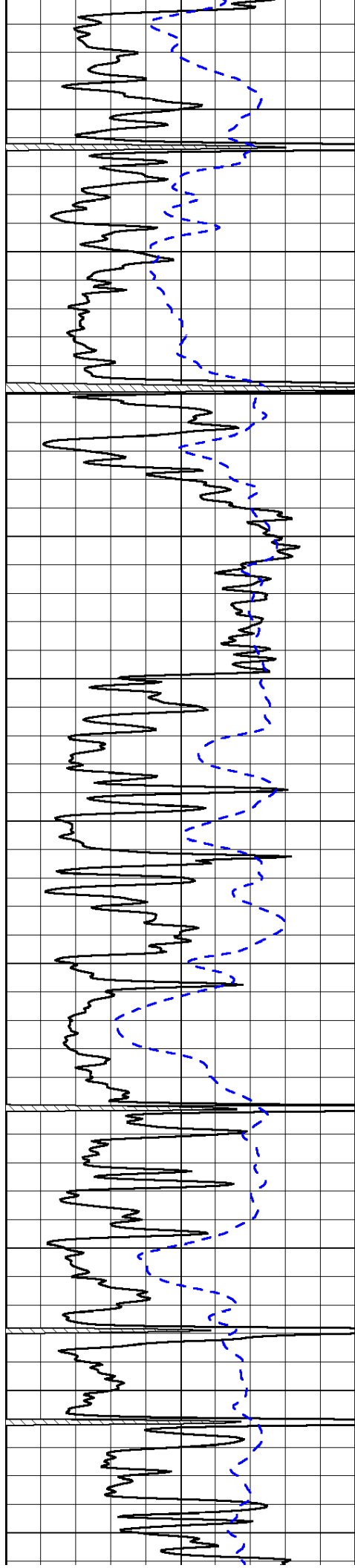
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

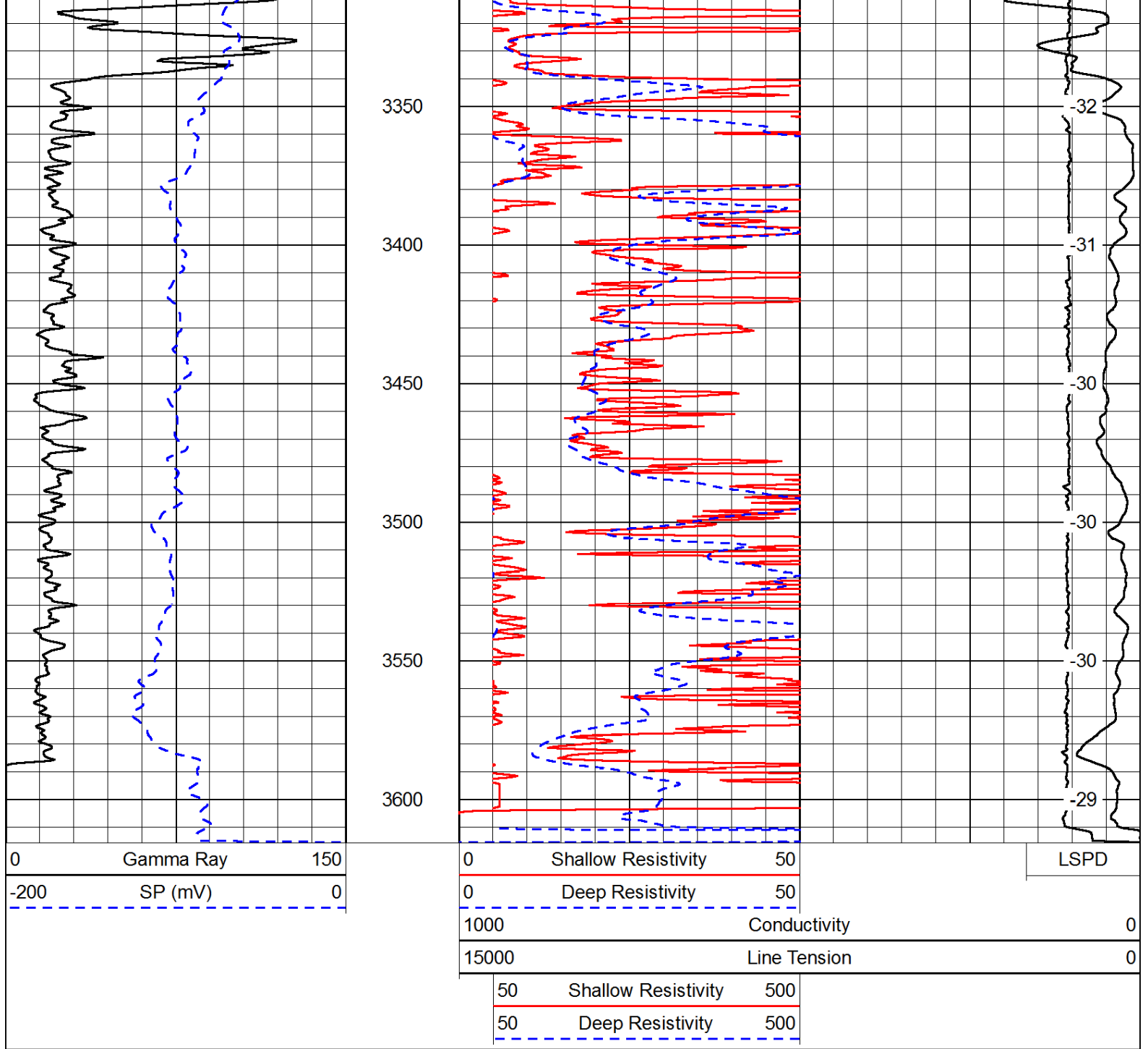




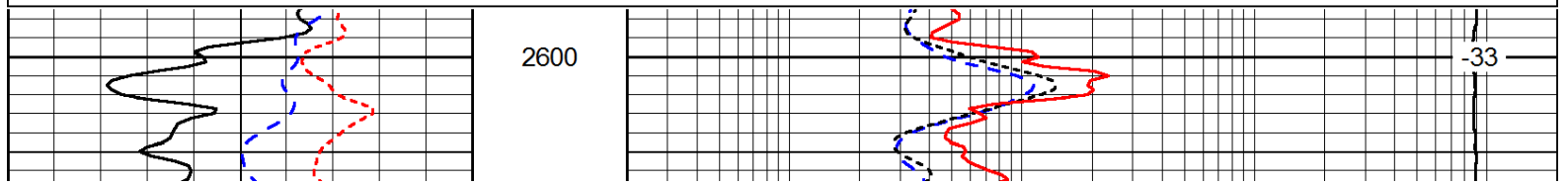
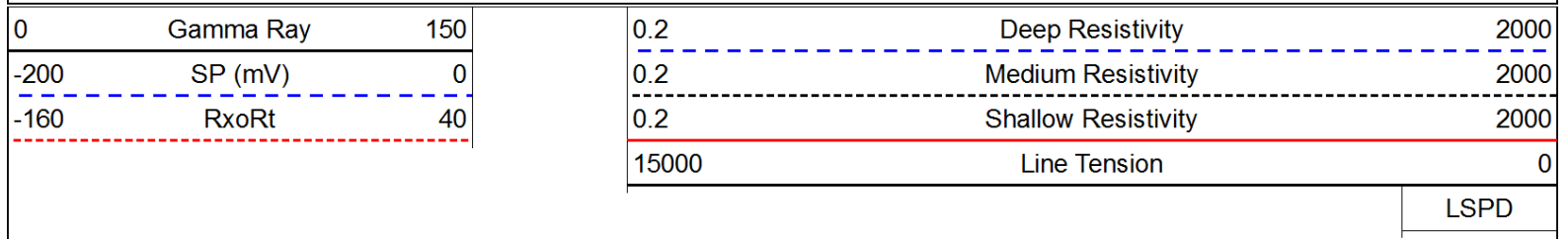


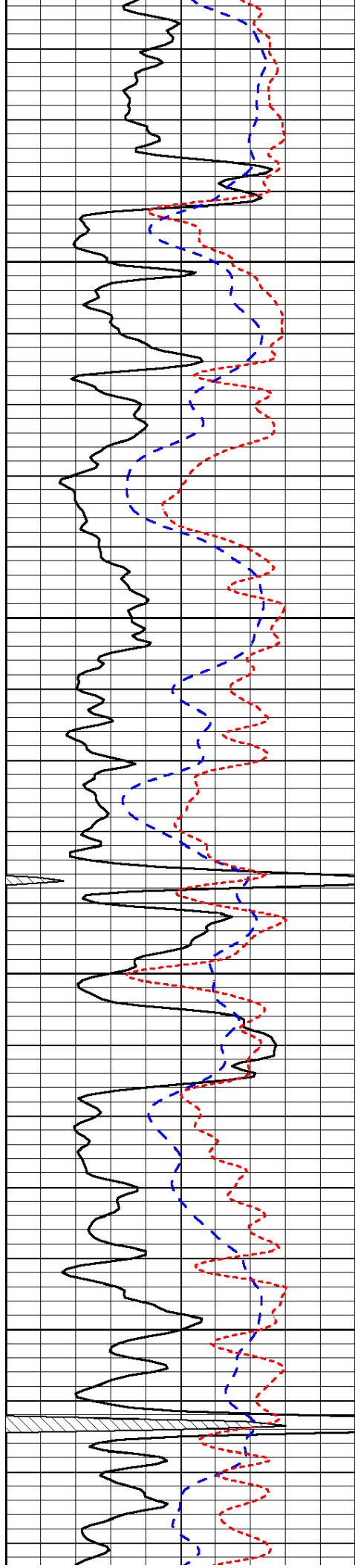






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 Presentation Format: dil
 Dataset Creation: Tue Mar 05 17:55:21 2013
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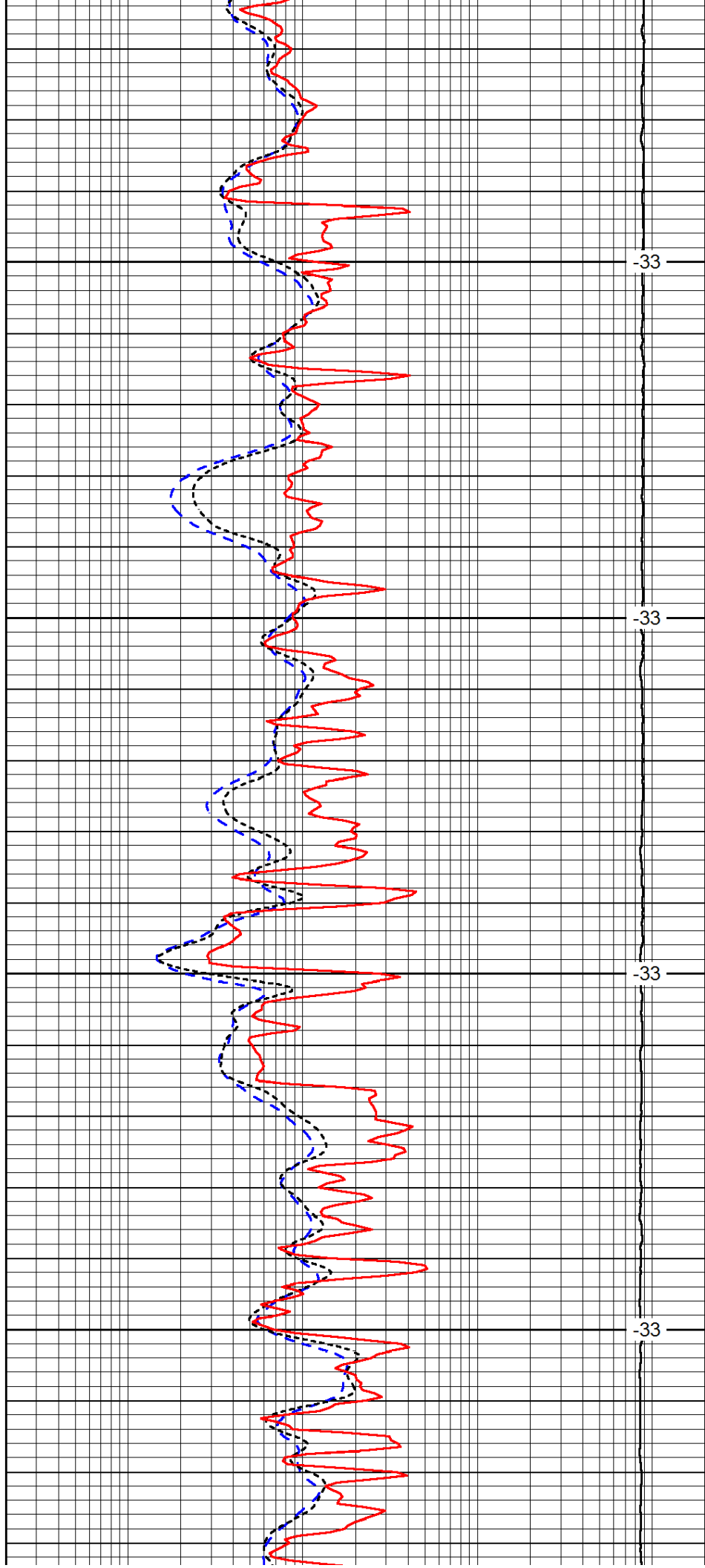


2650

2700

2750

2800

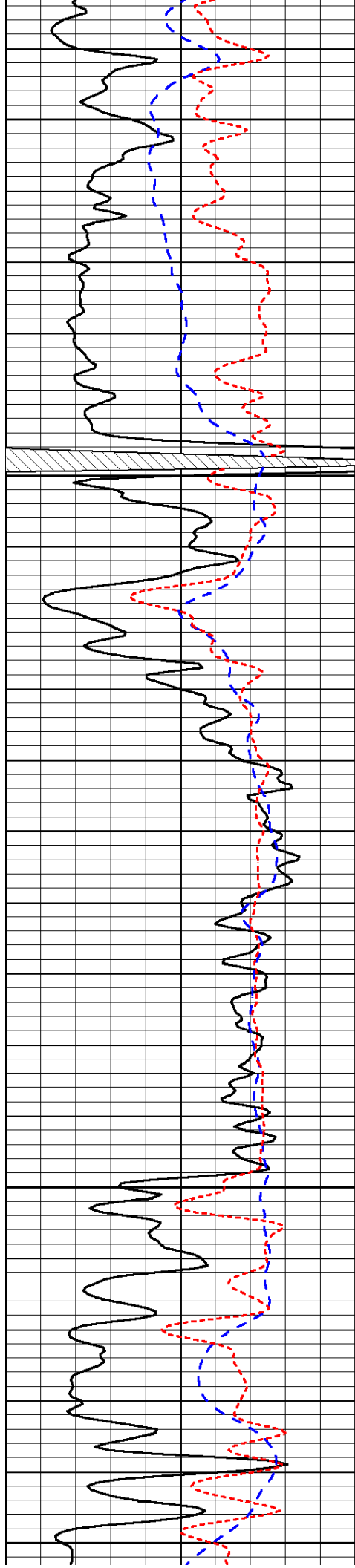


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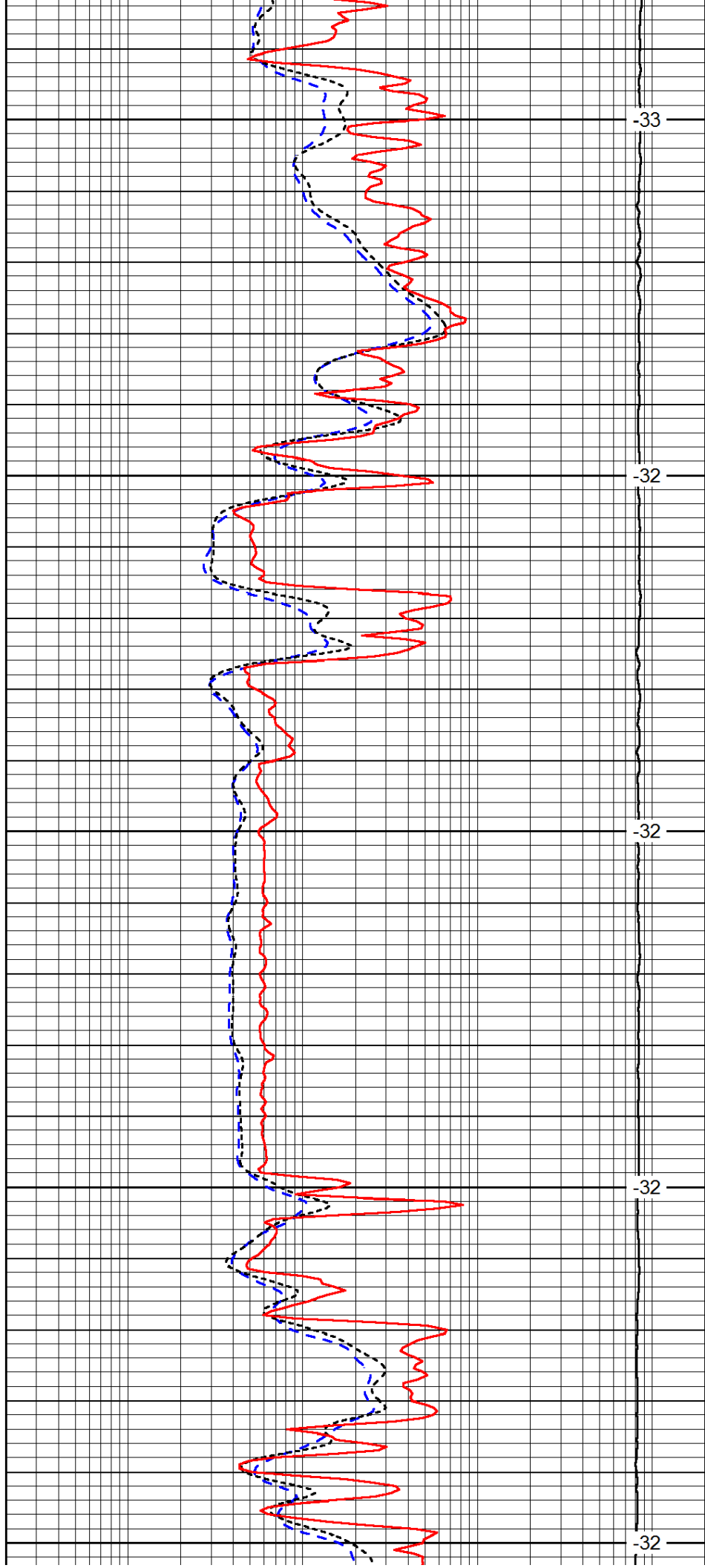
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2900

2950

3000

3050



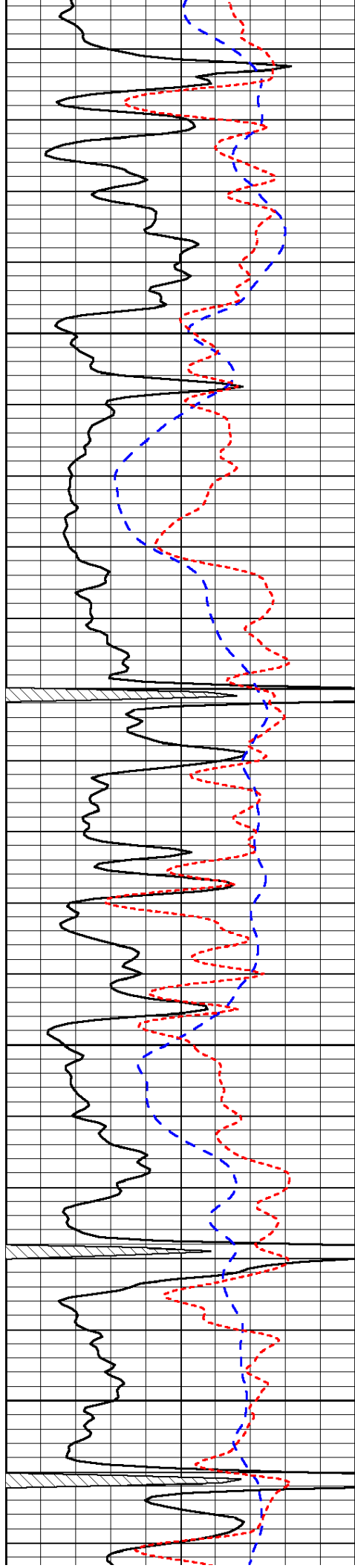
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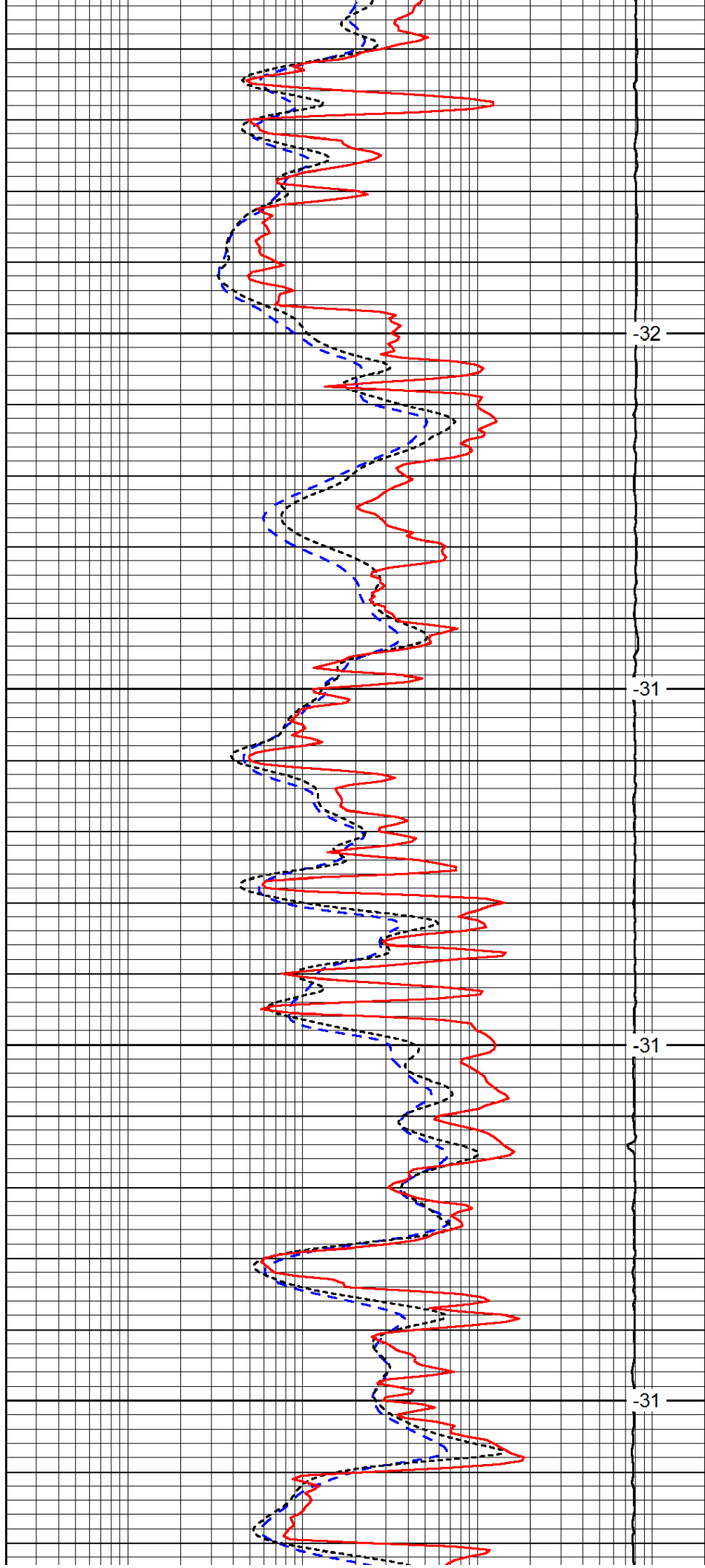


3100

3150

3200

3250

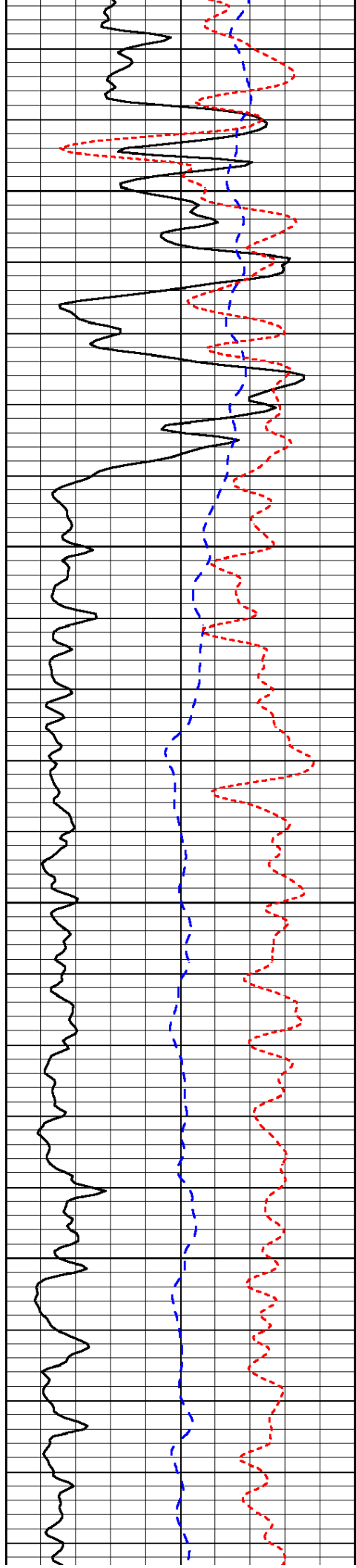


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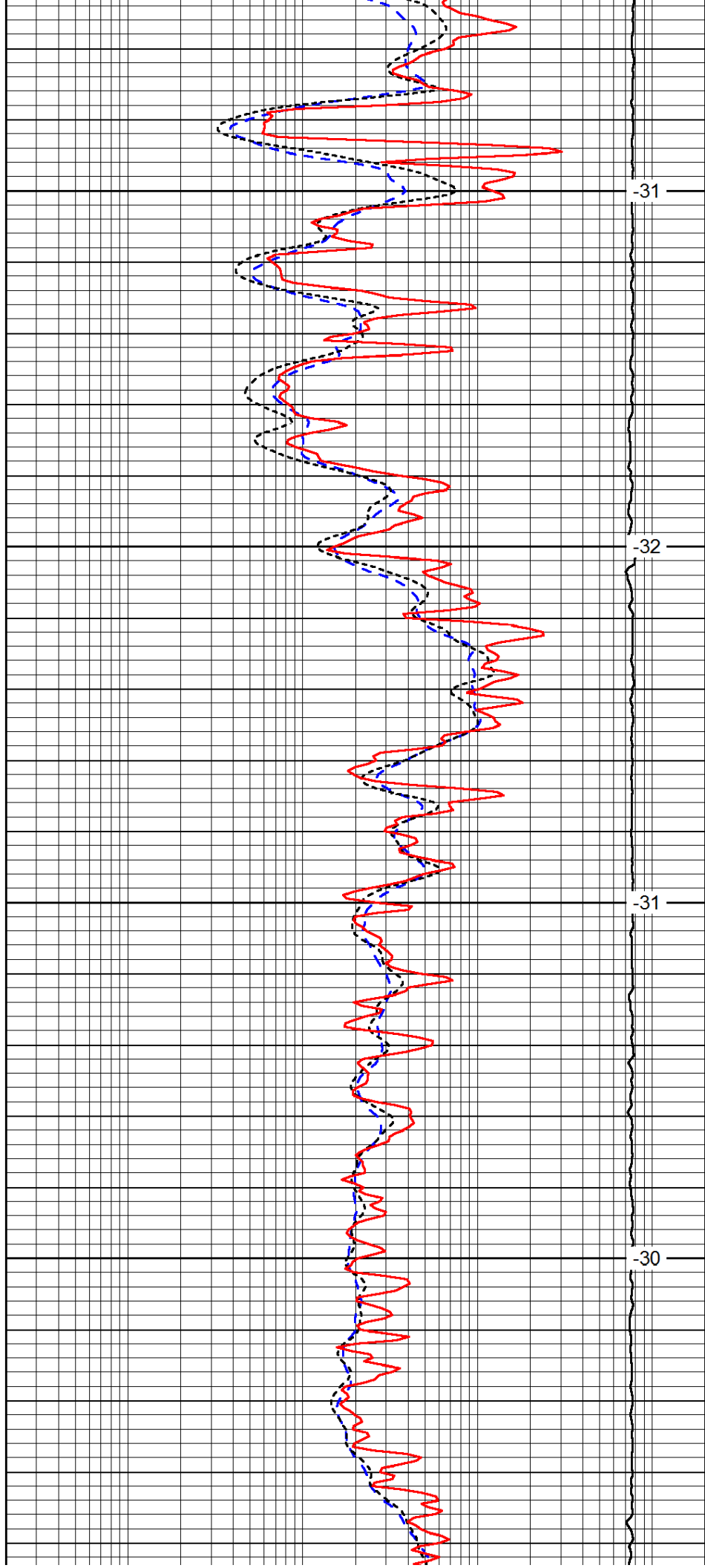


3300

3350

3400

3450

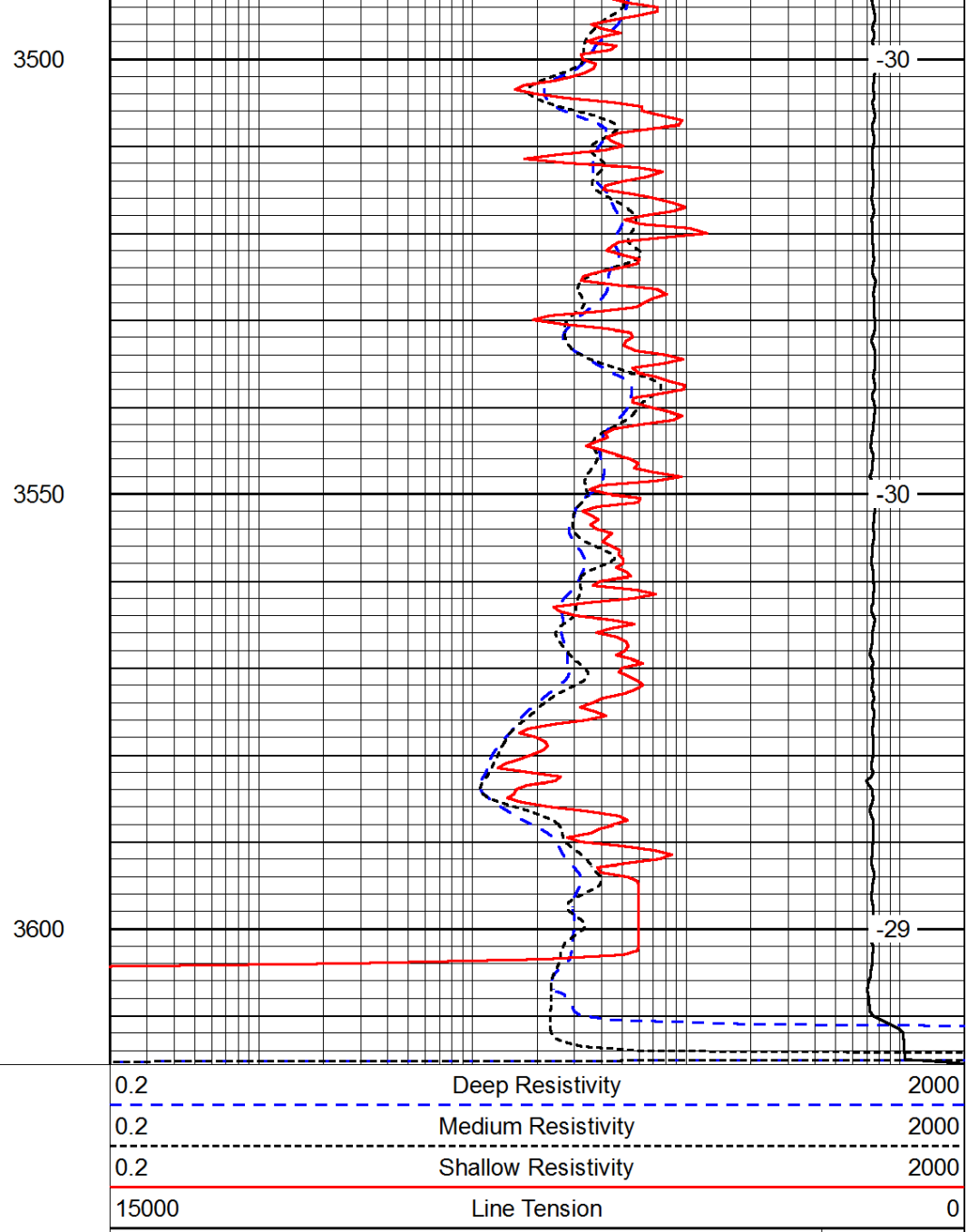
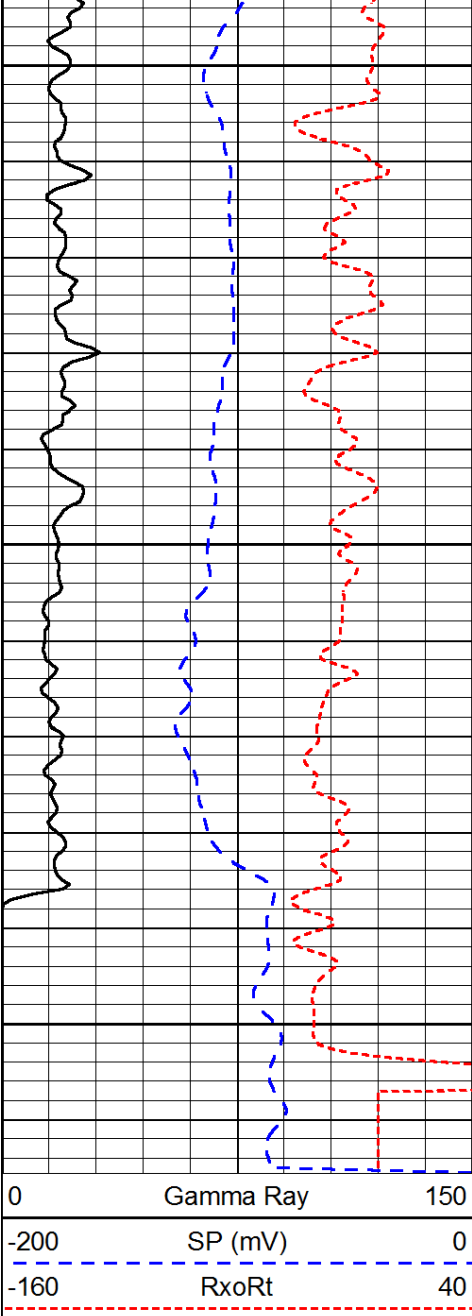


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LSPD