



Dual Induction Log

Pioneer Energy Services

API No.	Company A&A Production				
	Well Urban No. 3				
	Field Towns South				
	County	Thomas	State	Kansas	
15-193-20,879-00-00	Location	S2 SE NE SE 1,350' FSL & 330' FEL			Other Services CNL/CDL MEL
	Sec: 28	Twp: 10S	Rge: 34W		
	Permanent Datum	Ground Level	Elevation 3201	Elevation	
	Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 3206 D.F. G.L. 3201	
Drilling Measured From Kelly Bushing					
Date	1/13/2013				
Run Number	One				
Depth Driller	4715				
Depth Logger	4716				
Bottom Logged Interval	4715				
Top Log Interval	200				
Casing Driller	8.625 @ 224				
Casing Logger	228				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	10000				
Density / Viscosity	9.2	54			
pH / Fluid Loss	10.0	9.2			
Source of Sample	Flowline				
Rm @ Meas. Temp	.20 @ 46				
Rmf @ Meas. Temp	.15 @ 46				
Rmc @ Meas. Temp	.27 @ 46				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.07 @ 123				
Operating Rig Time	4 Hours				
Max Rec. Temp. F	123				
Equipment Number	91				
Location	Hays				
Recorded By	J. Long				
Witnessed By	Andy Anderson				

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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.

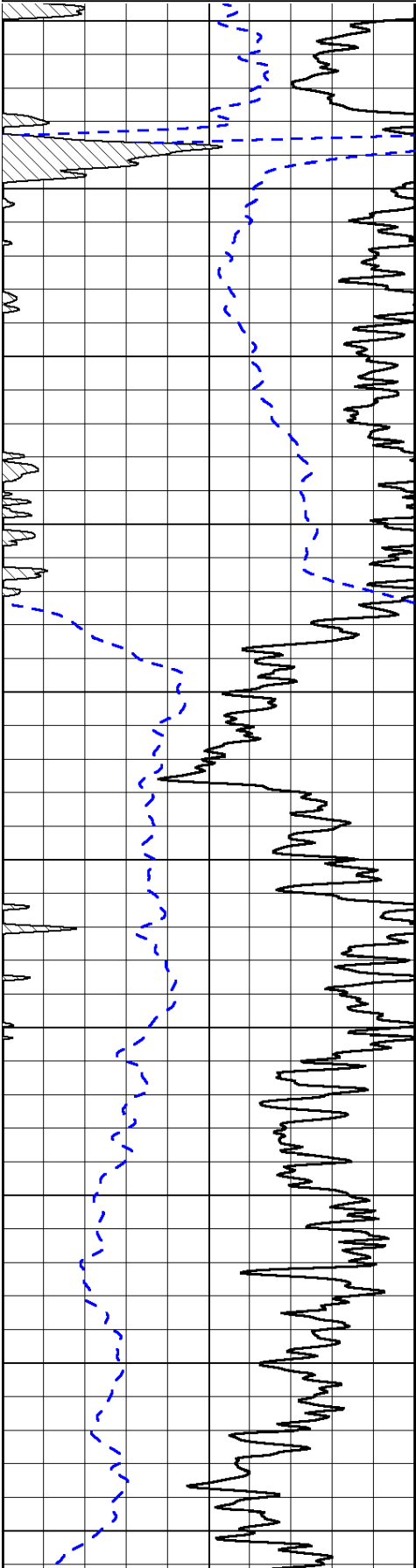
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

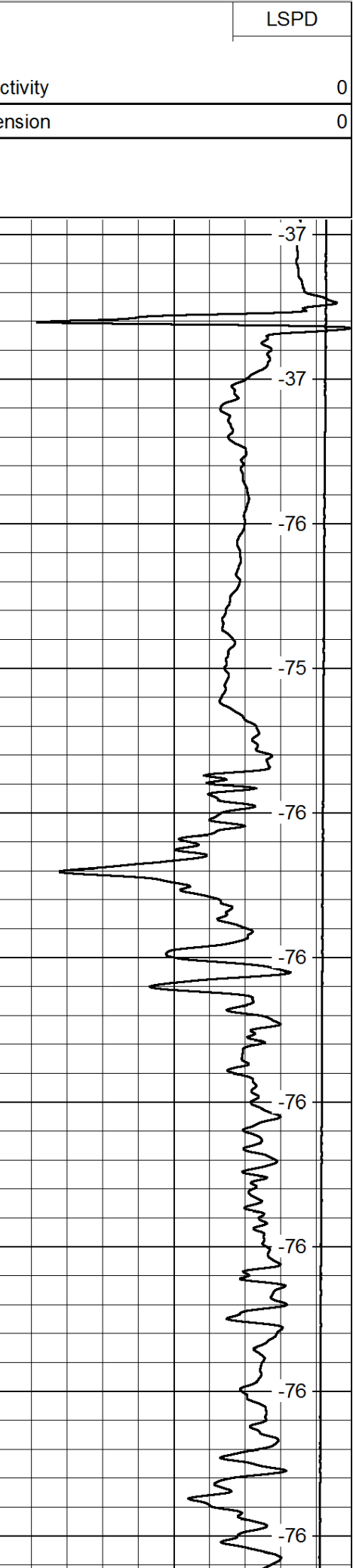
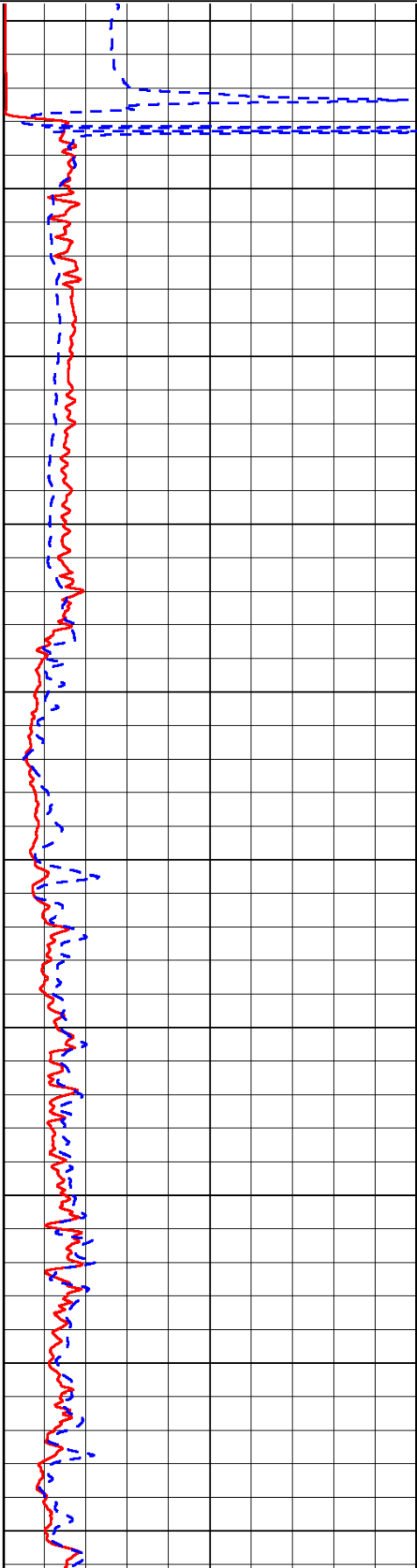
Monument, West to Highway 40 and Highway 25 Intersection, North to County Line, 4 West, 1 North,
East Into

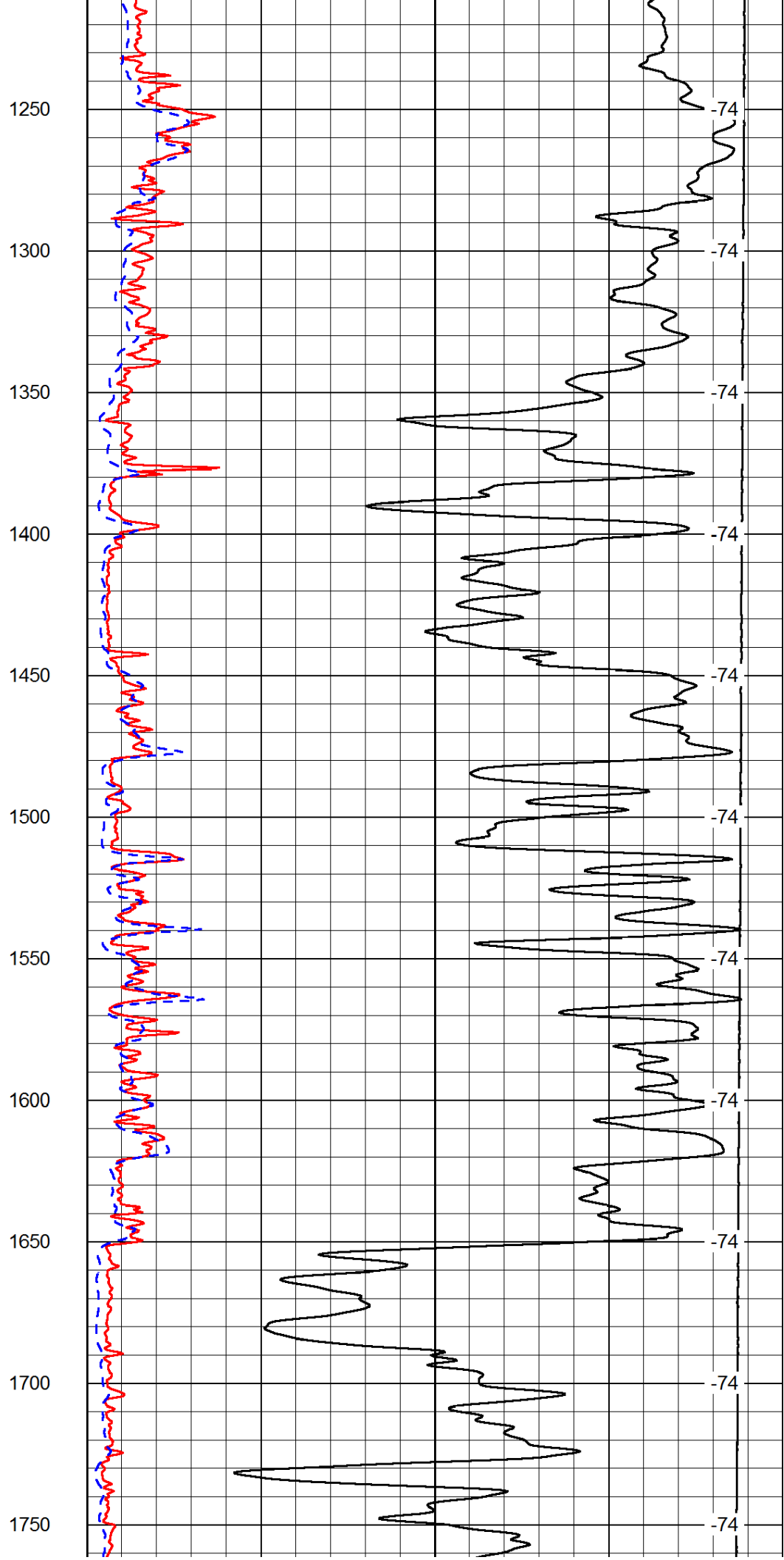
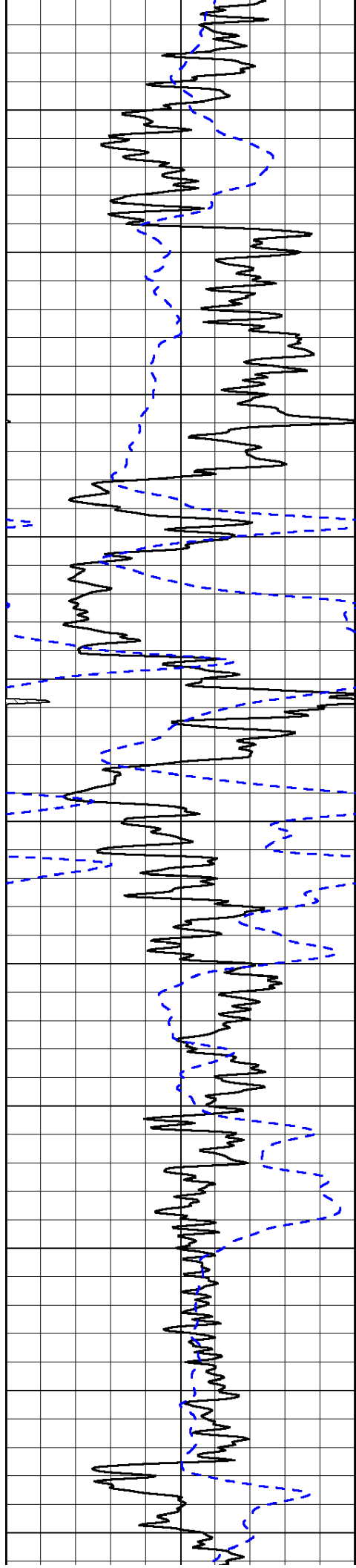
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Dataset Pathname: dil/aastck
Presentation Format: dil2in
Dataset Creation: Sun Jan 13 11:50:08 2013
Charted by: Depth in Feet scaled 1:600

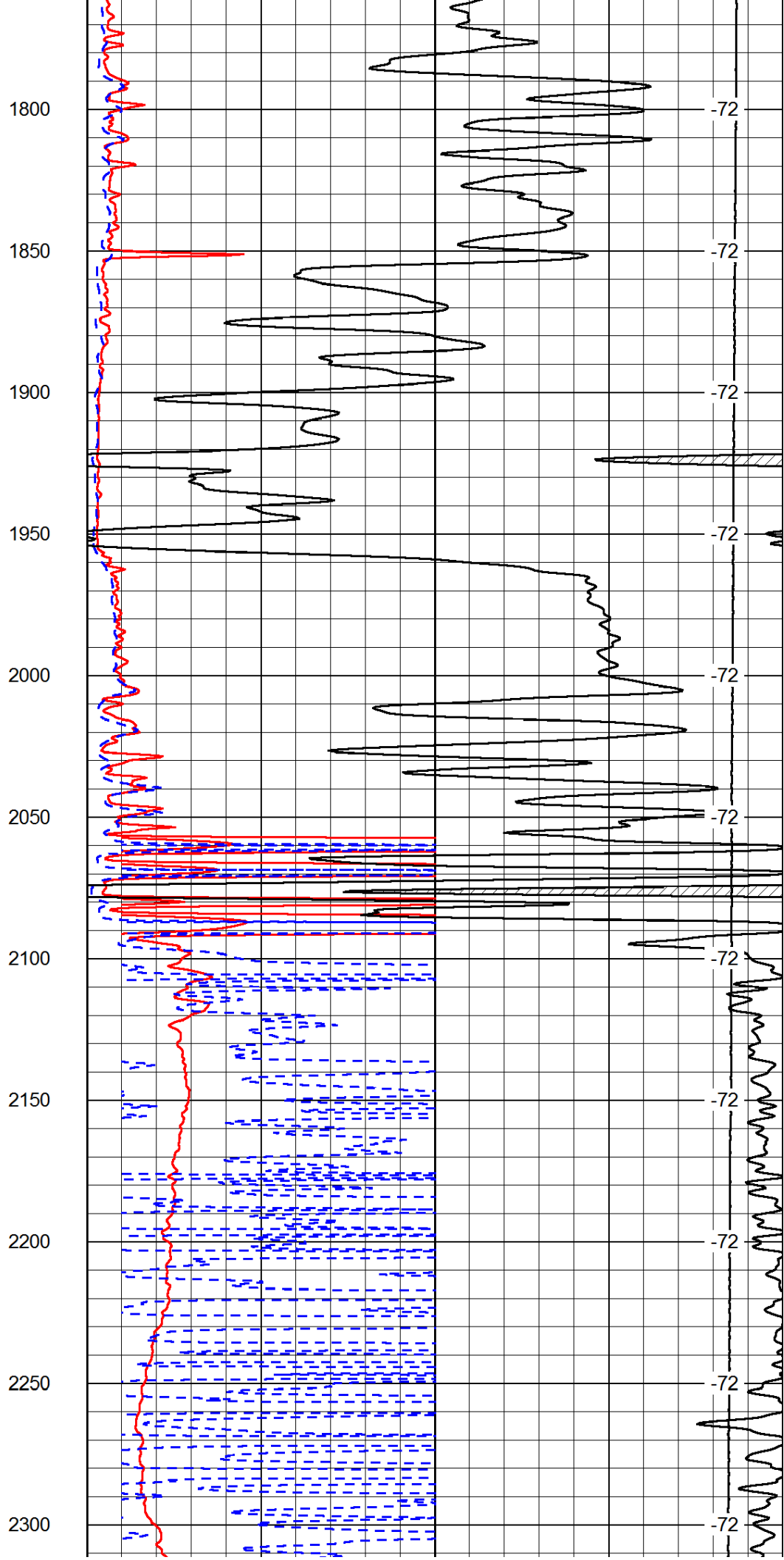
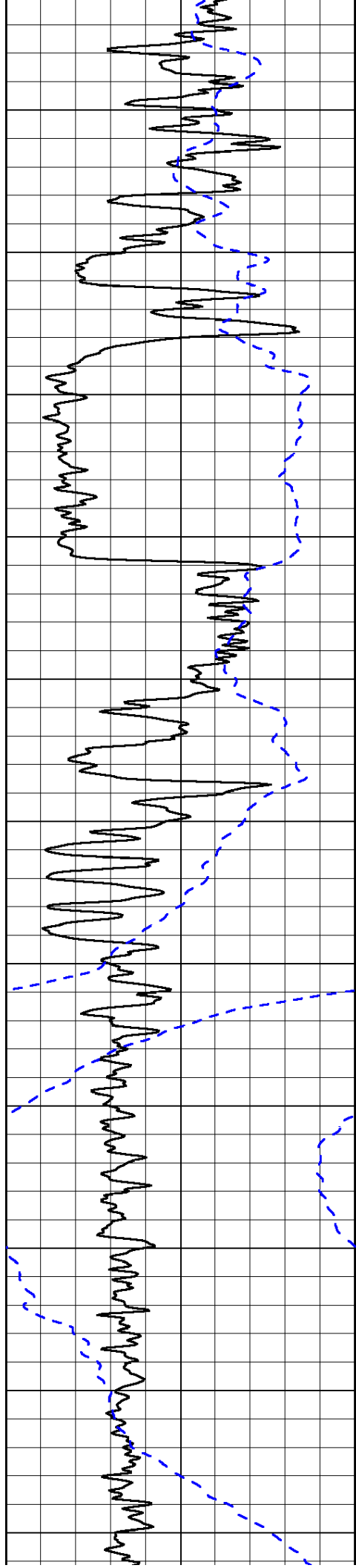
0	Gamma Ray	150
-200	SP (mV)	0

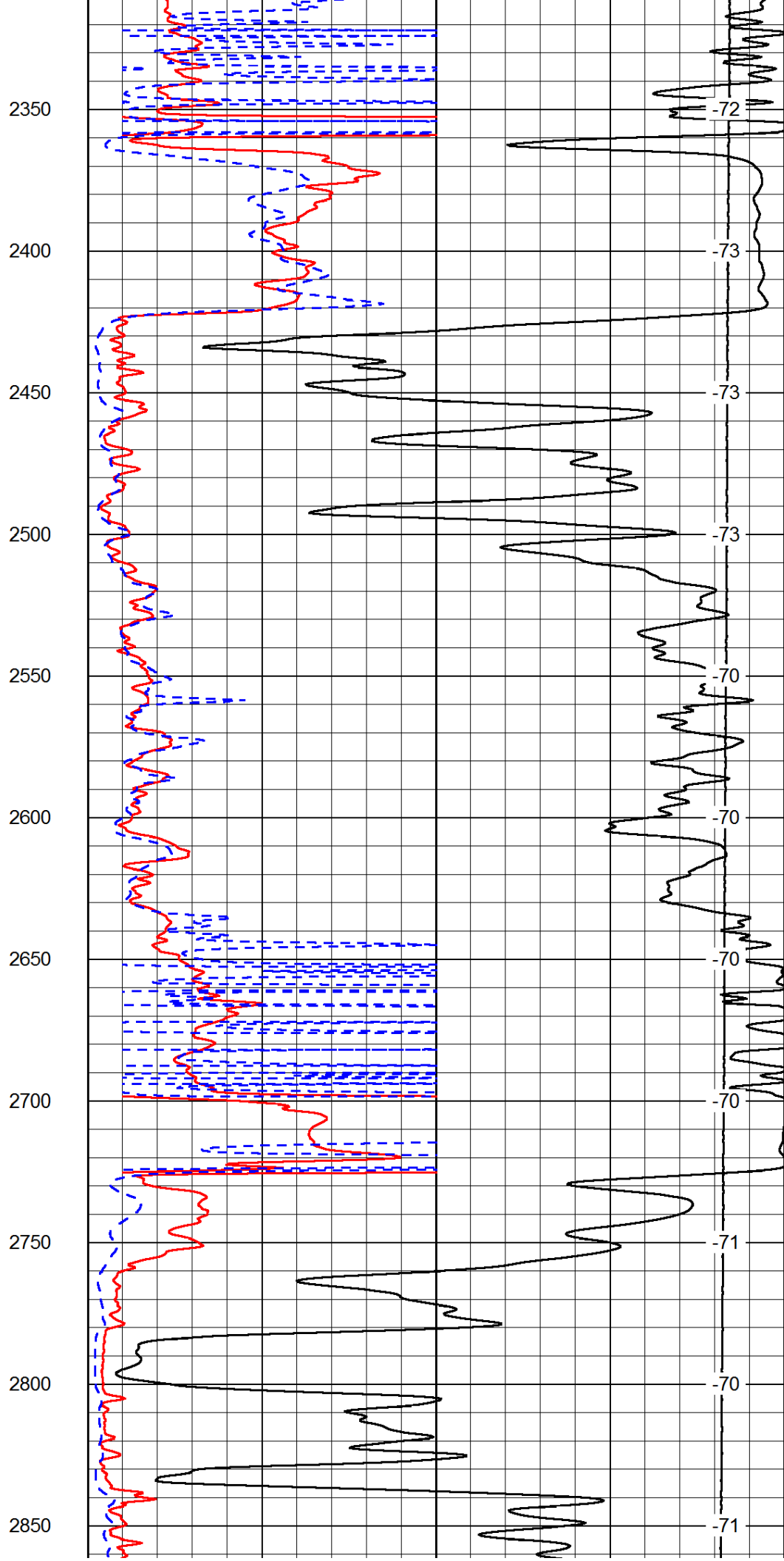
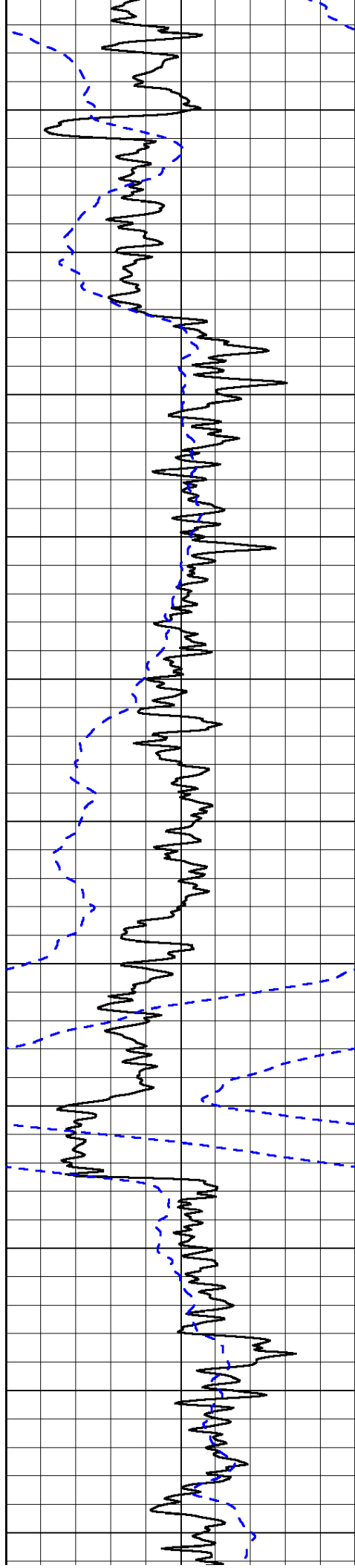


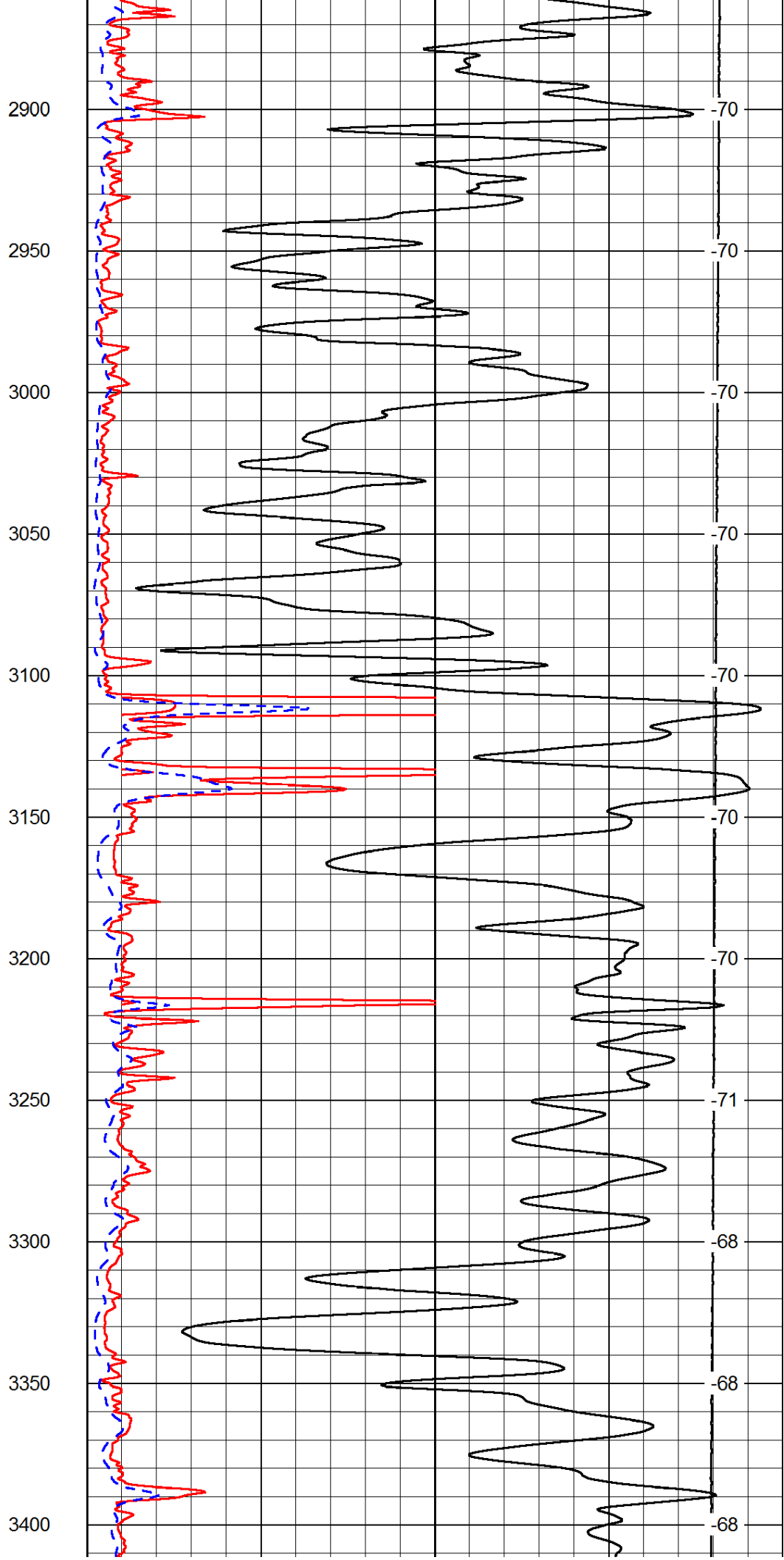
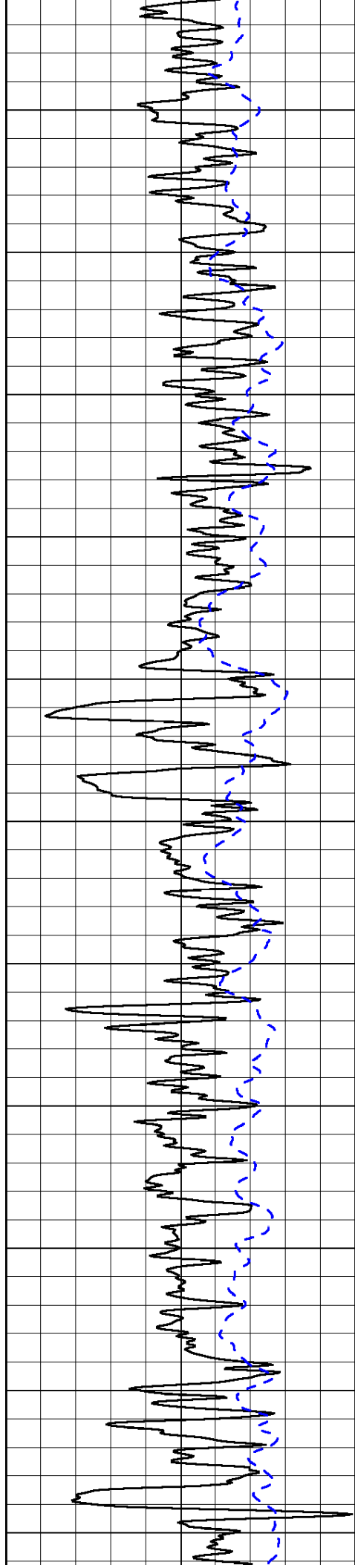
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

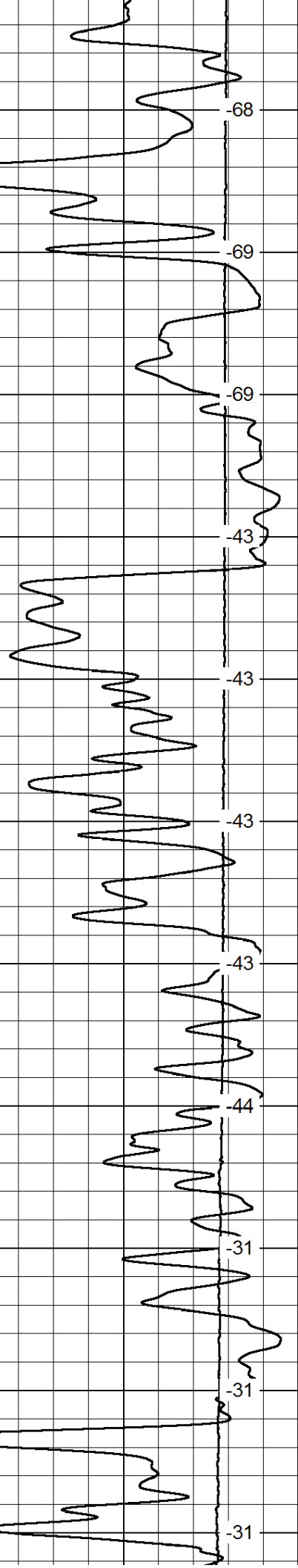
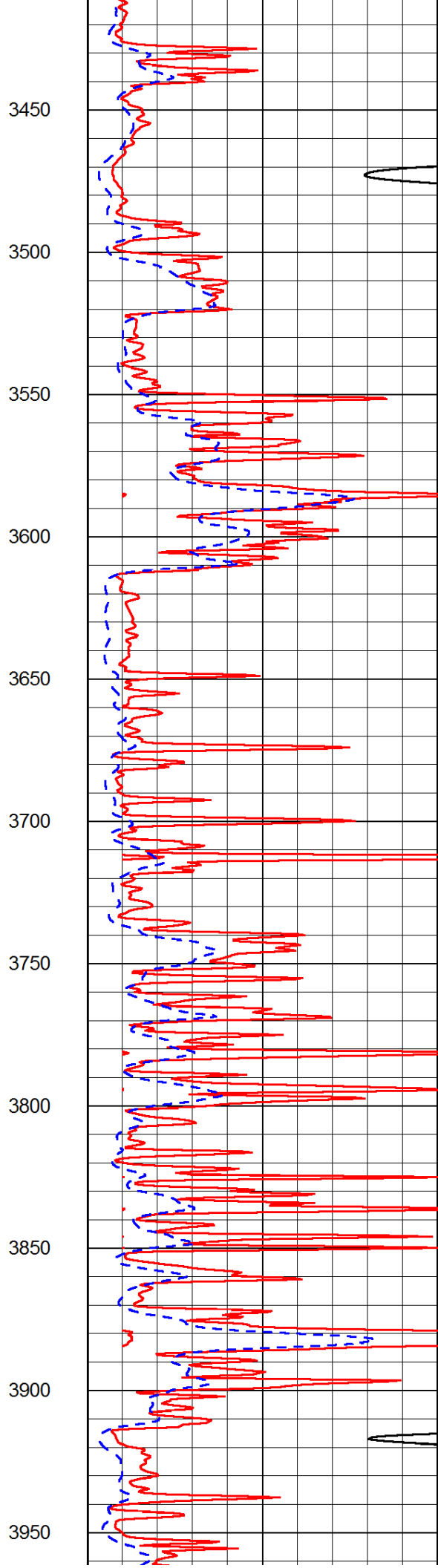
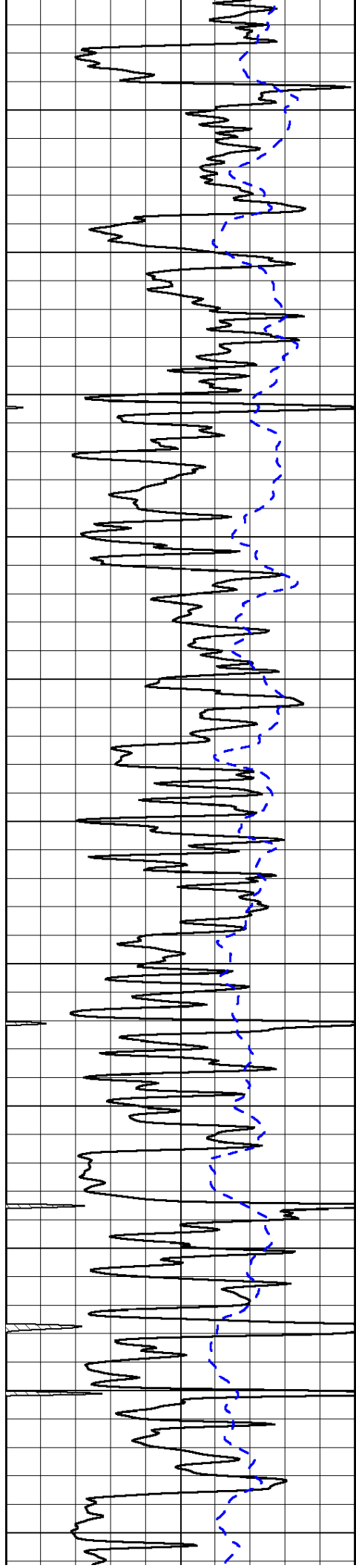


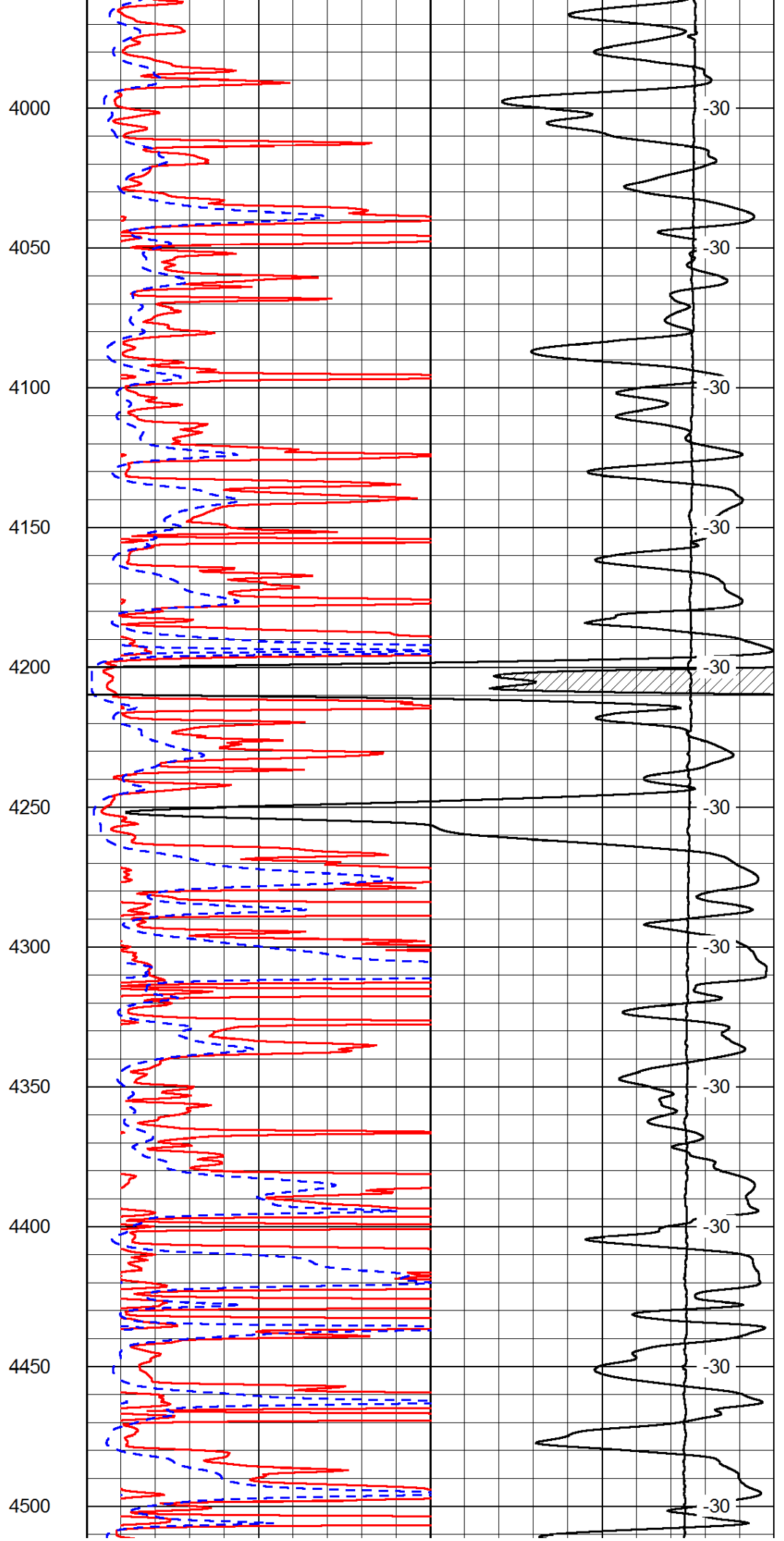
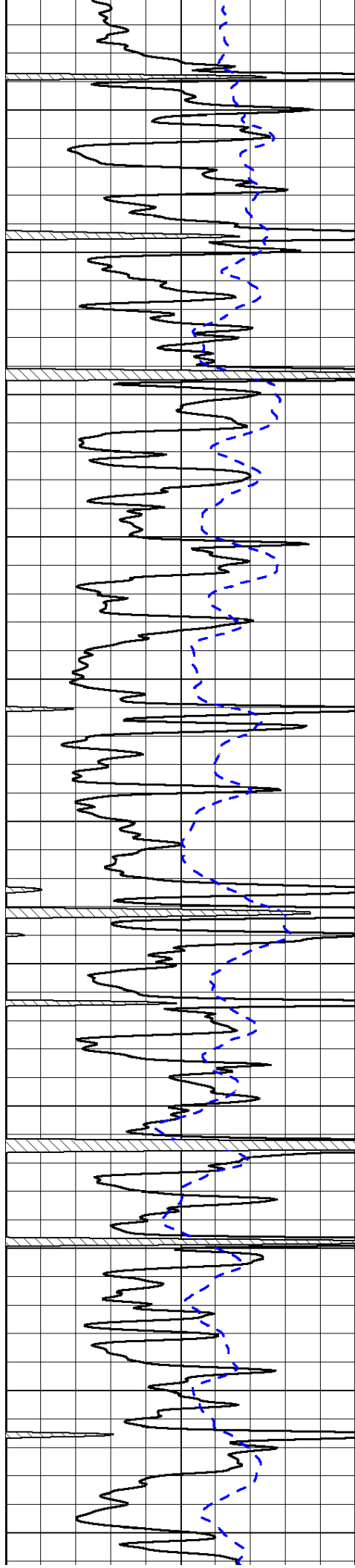


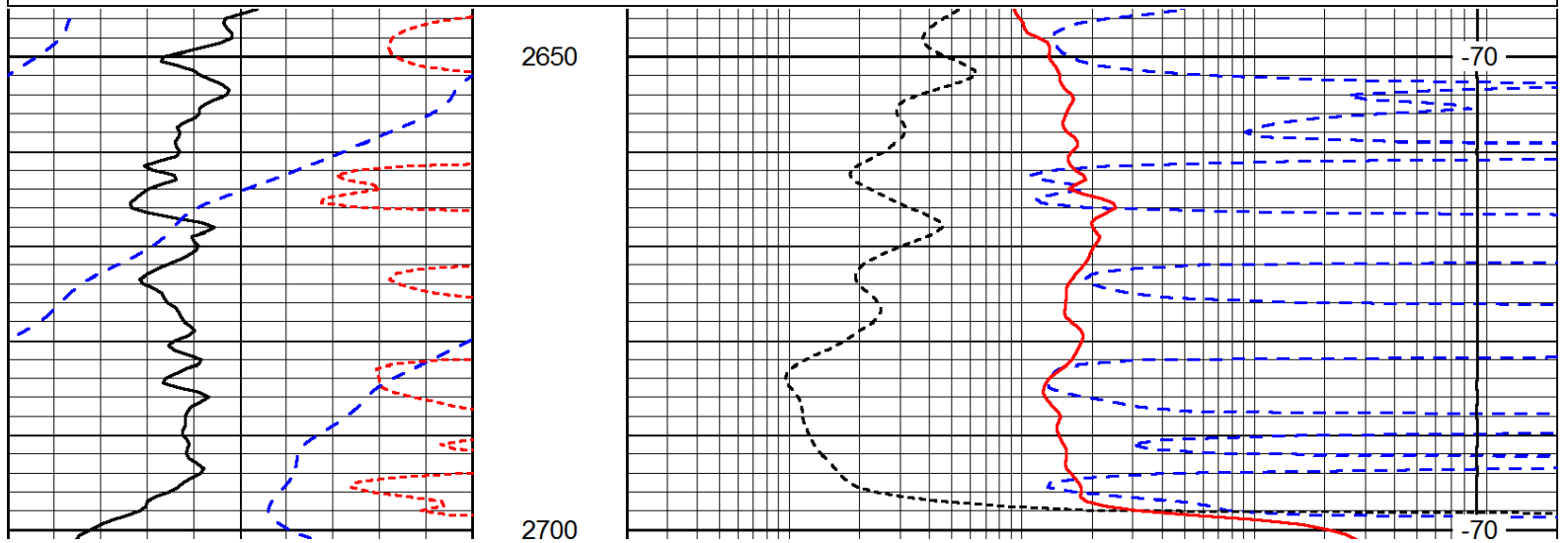
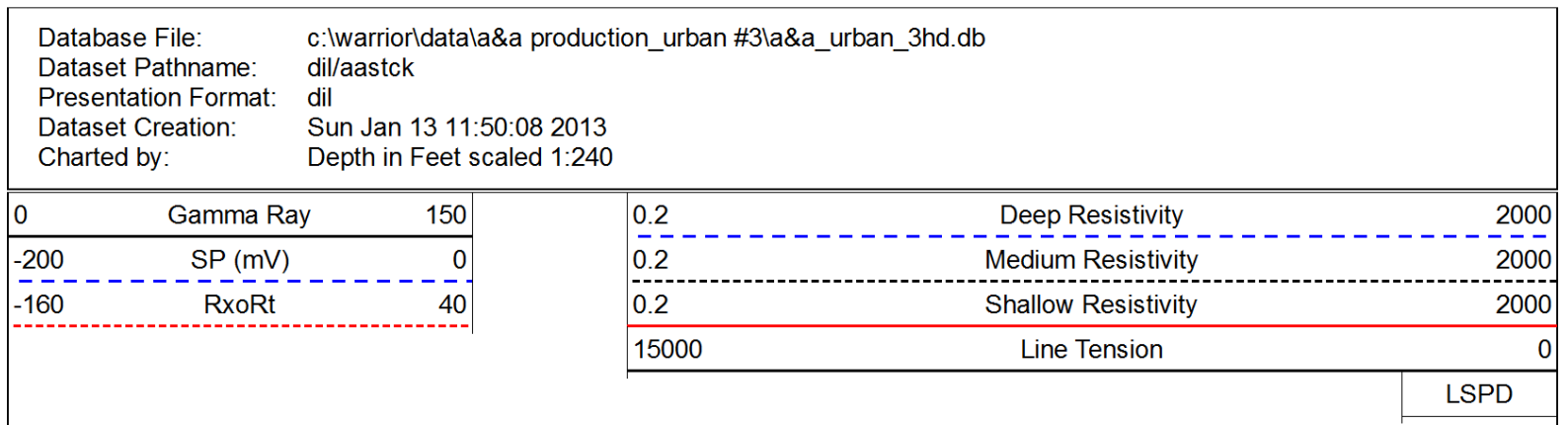
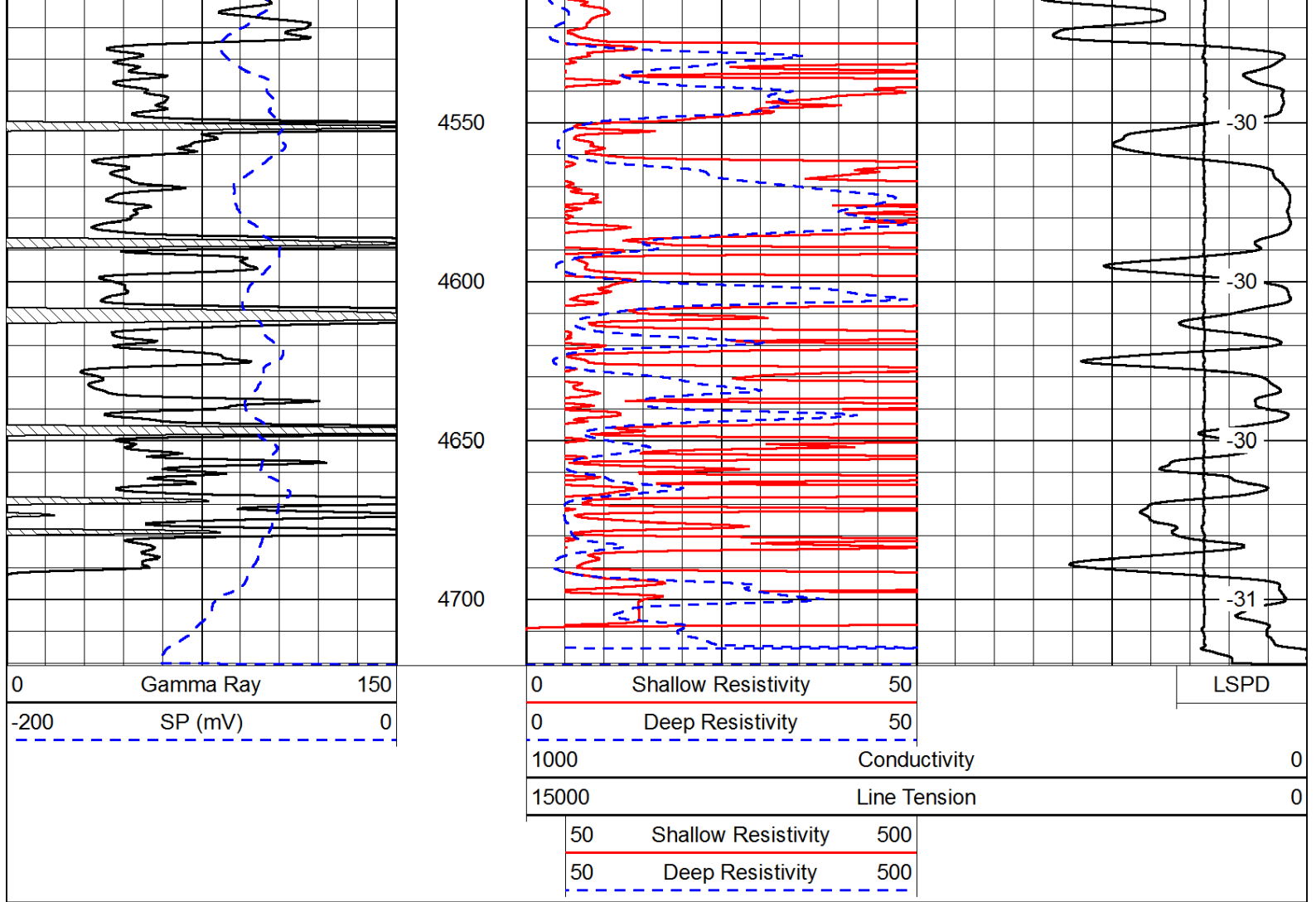




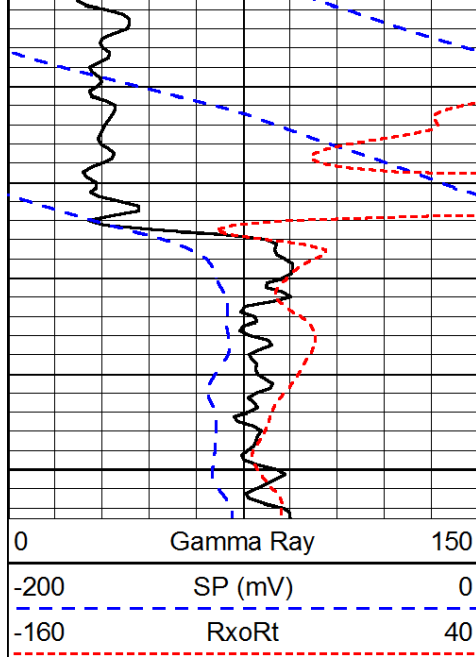




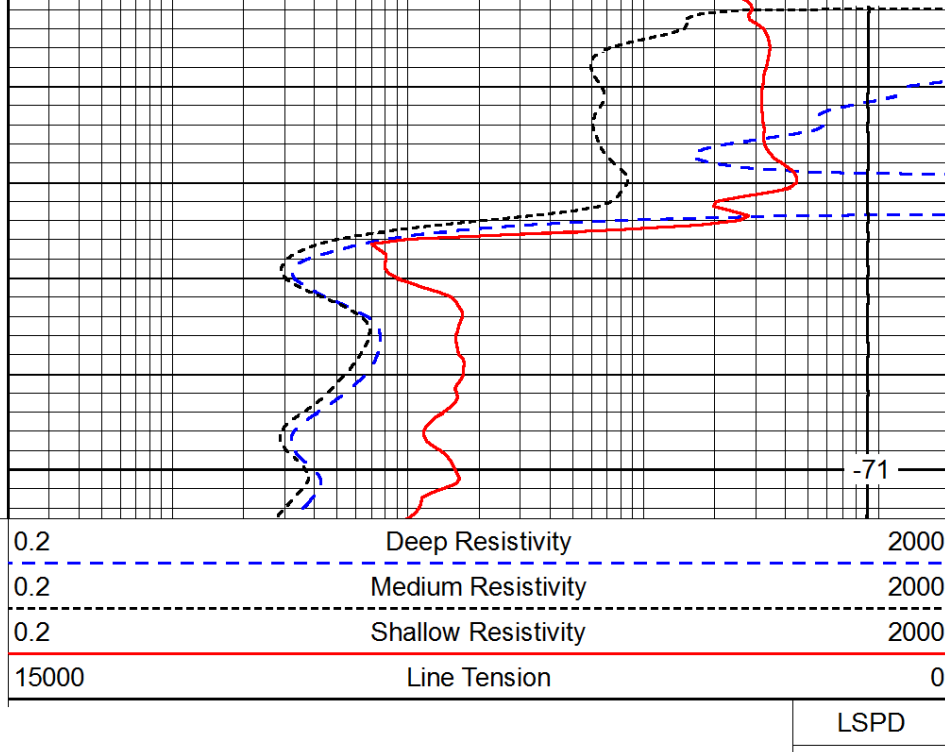




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Presentation Format: dil
Dataset Creation: Sun Jan 13 11:50:08 2013
Charted by: Depth in Feet scaled 1:240



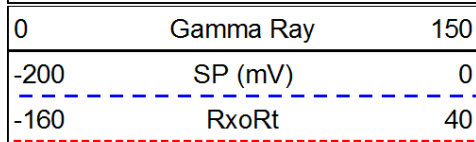
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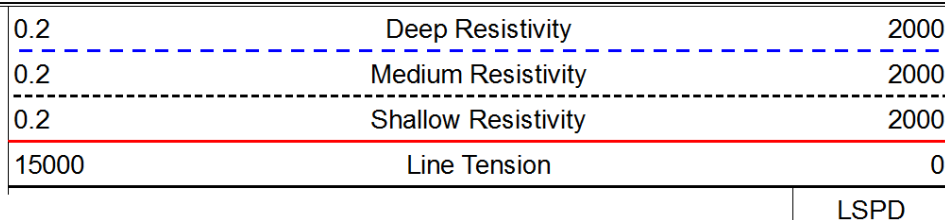
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LSPD

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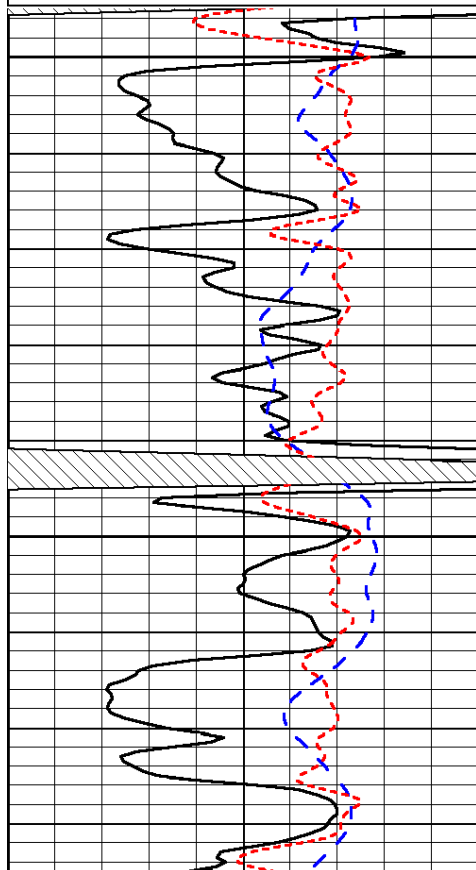


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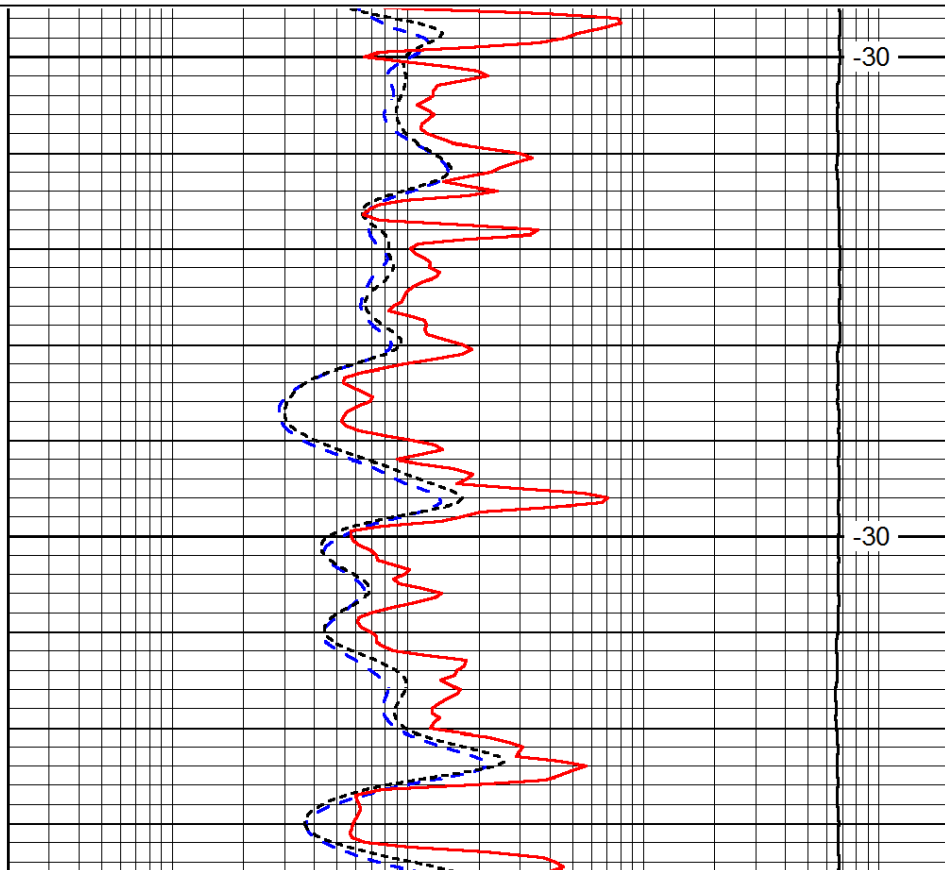


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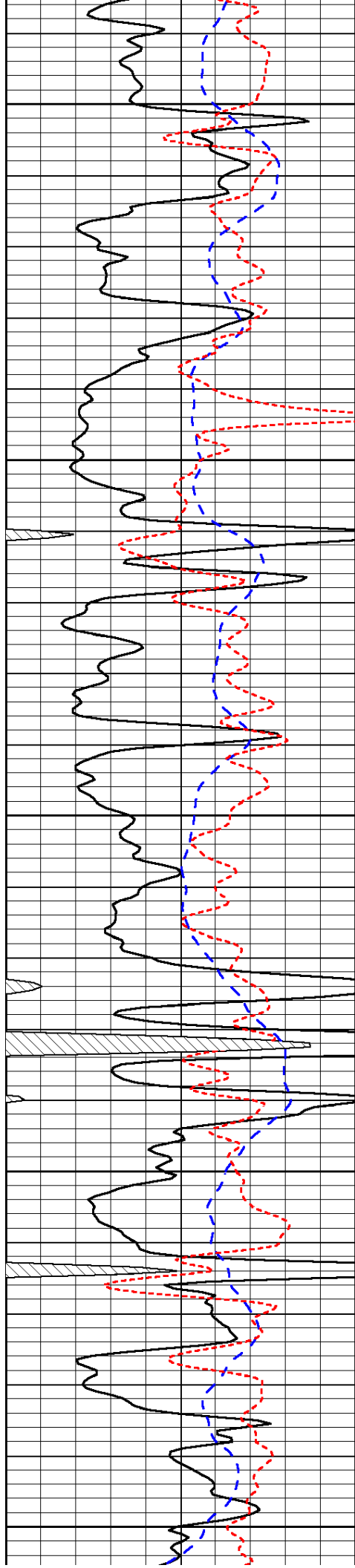
LSPD



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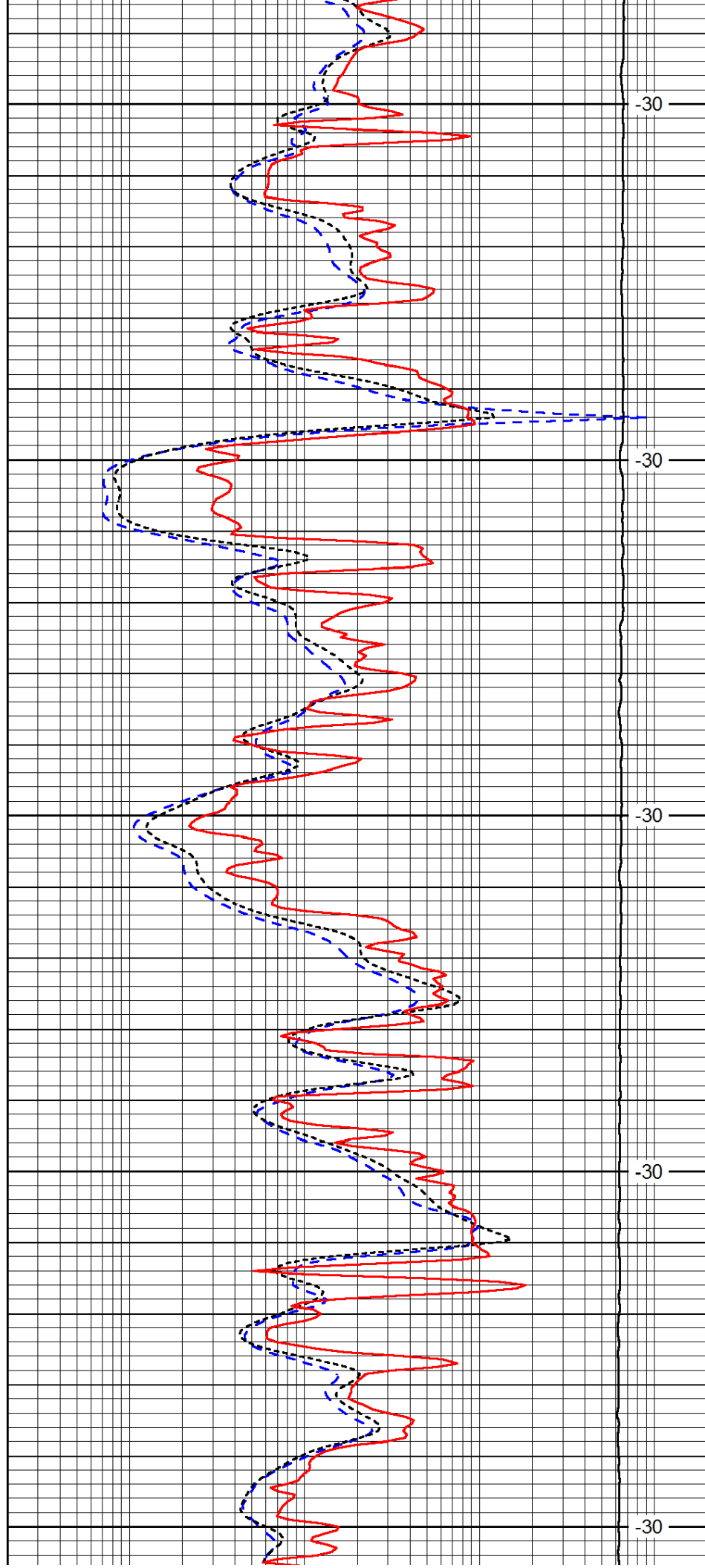
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4200

4250

4300

4350



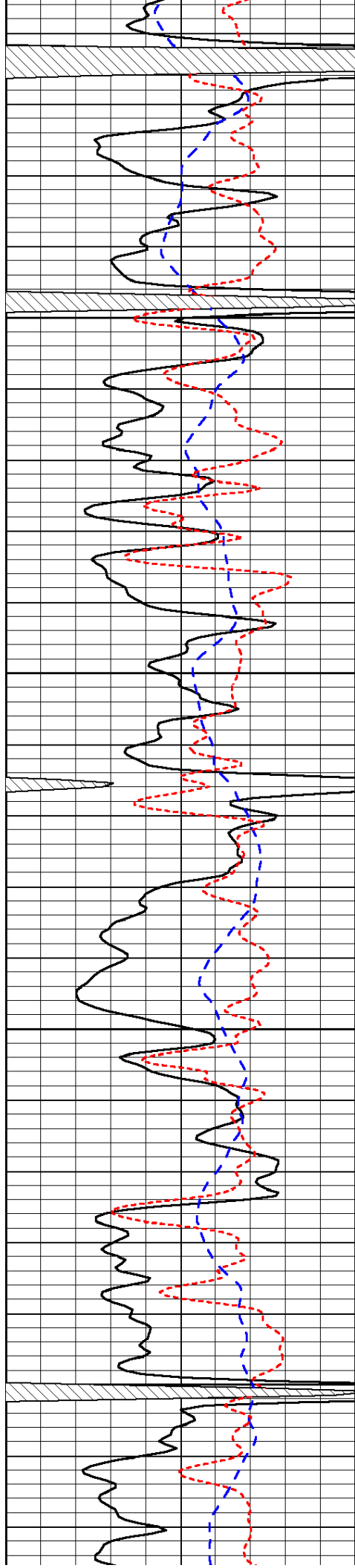
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-30

-30

-30

-30

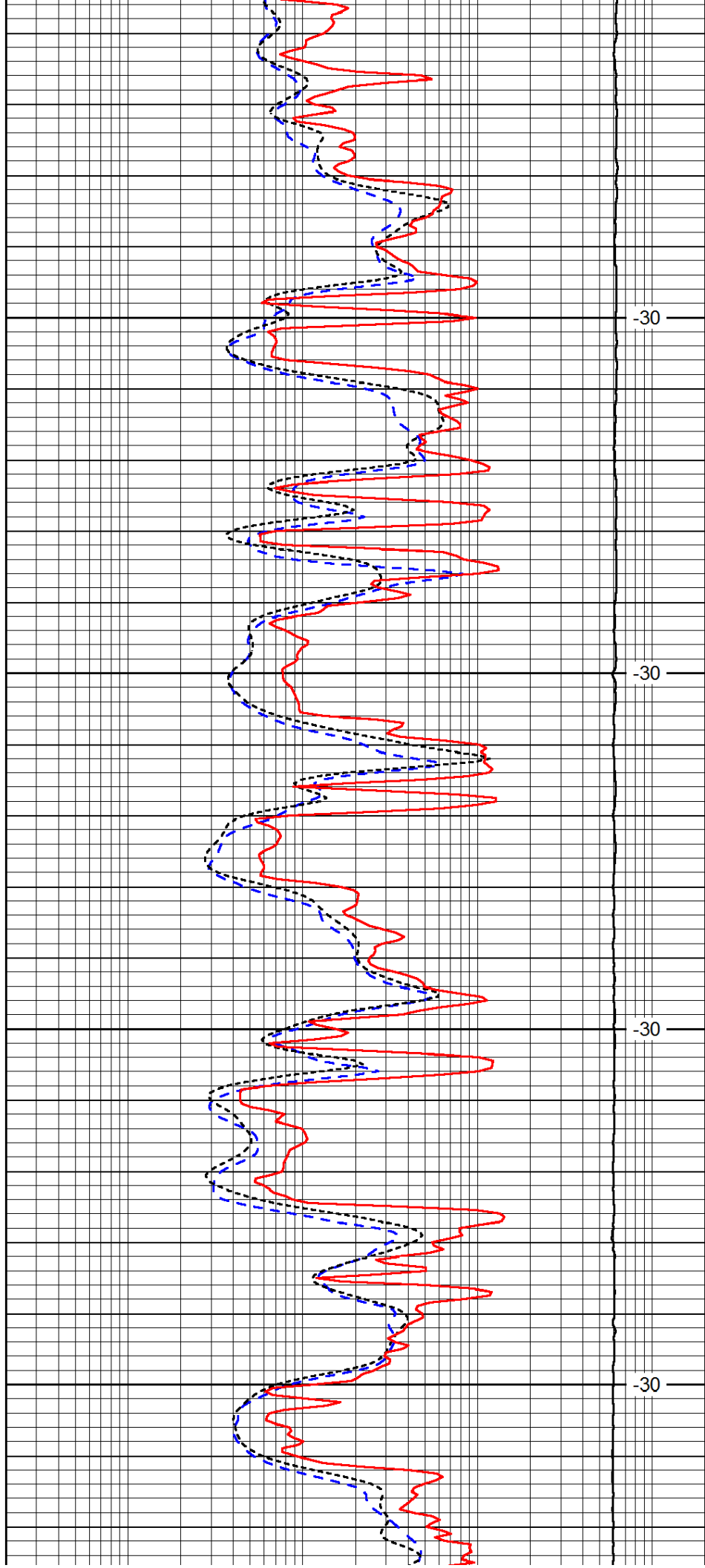


4400

4450

4500

4550



-30

-30

-30

-30

