



Dual Induction Log

Pioneer Energy Services

API No.	Company Culbreath Oil & Gas Company, Inc.				
	Well Coburn #6-8				
	Field				
	County	Sheridan	State	Kansas	
15-179-21,360-00-00	Location	330' FNL & 1,650' FWL			Other Services CNL/CDL MEL/BHCS
	Sec: 8	Twp: 10s	Rge: 26w	Elevation	
	Permanent Datum	Ground Level	Elevation 2597	K.B. 2604	
Log Measured From	Kelly Bushing	7	Ft. Above Perm. Datum	D.F. 2597	
Drilling Measured From	From Kelly Bushing	G.L. 2597			
Date	6/13/2014				
Run Number	One				
Depth Driller	4270				
Depth Logger	4274				
Bottom Logged Interval	4273				
Top Log Interval	250				
Casing Driller	8.625 @ 265				
Casing Logger	260				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	3000				
Density / Viscosity	9.4	50			
pH / Fluid Loss	9.0	8.0			
Source of Sample	Flowline				
Rm @ Meas. Temp	..70 @ 74				
Rmf @ Meas. Temp	.53 @ 74				
Rmc @ Meas. Temp	.95 @ 74				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.44 @ 119				
Operating Rig Time	5 Hours				
Max Rec. Temp. F	119				
Equipment Number	108				
Location	Hays				
Recorded By	J. Henrickson		D Fischer		
Witnessed By	Kevin Howard		Anthony Luna		

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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.

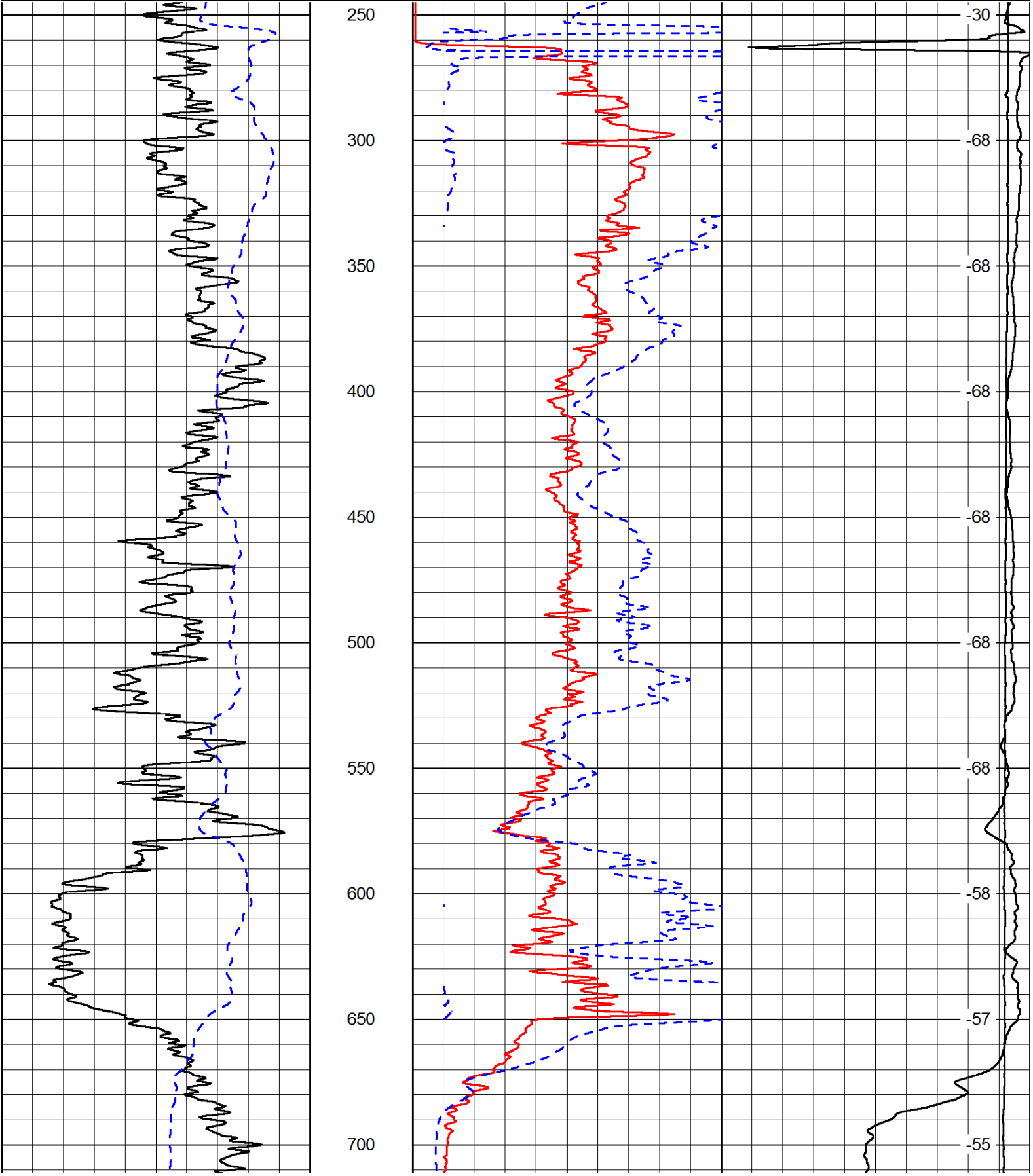
Comments

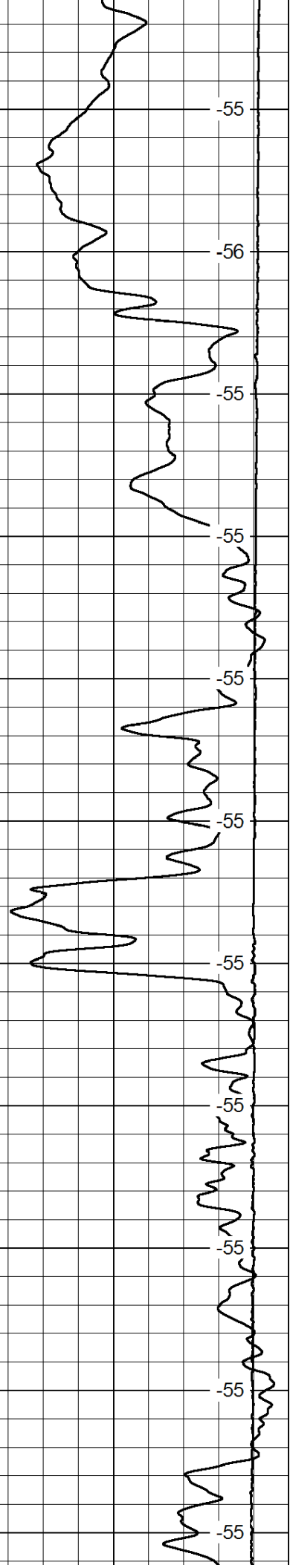
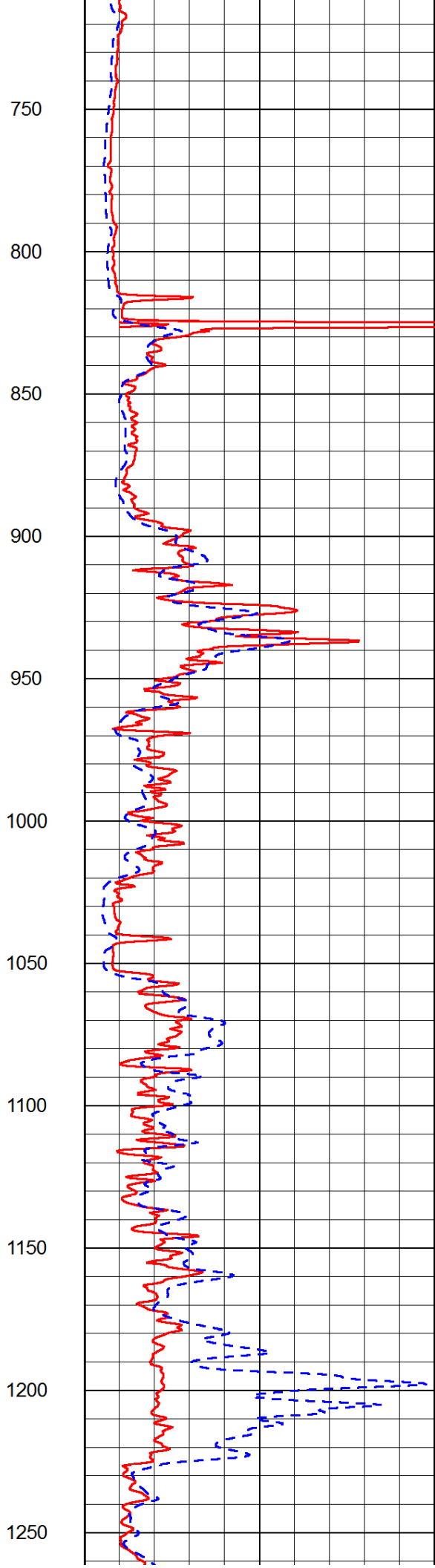
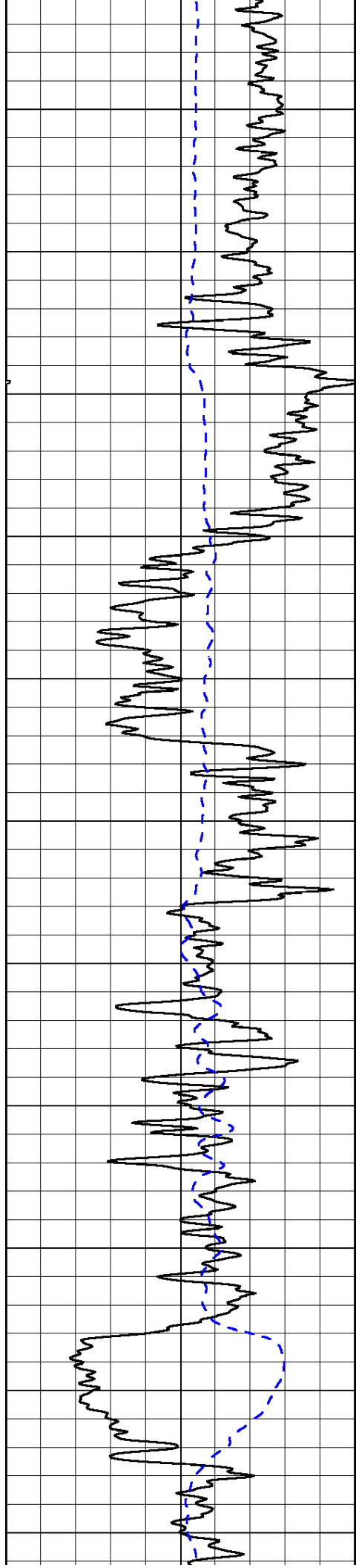
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

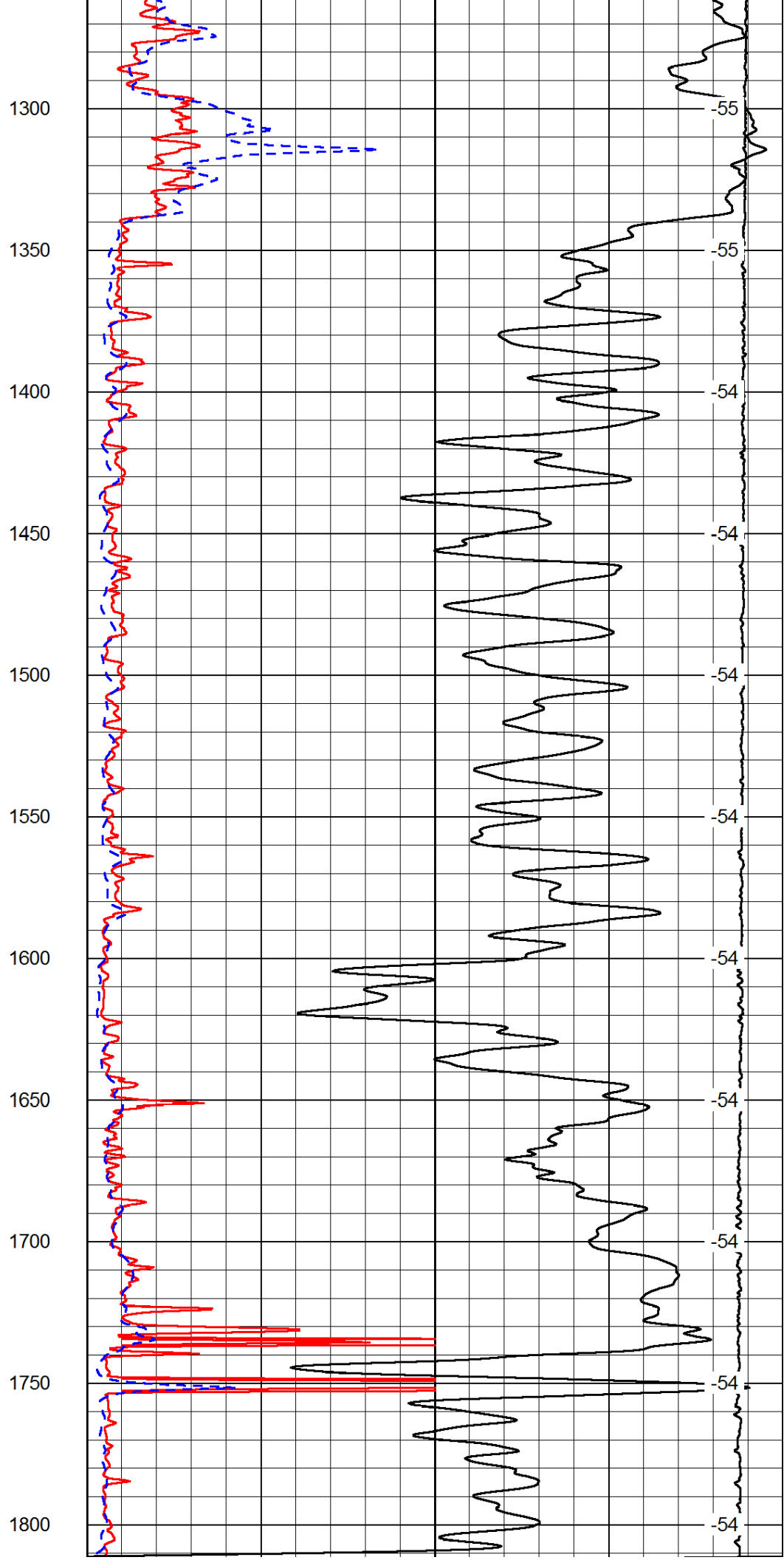
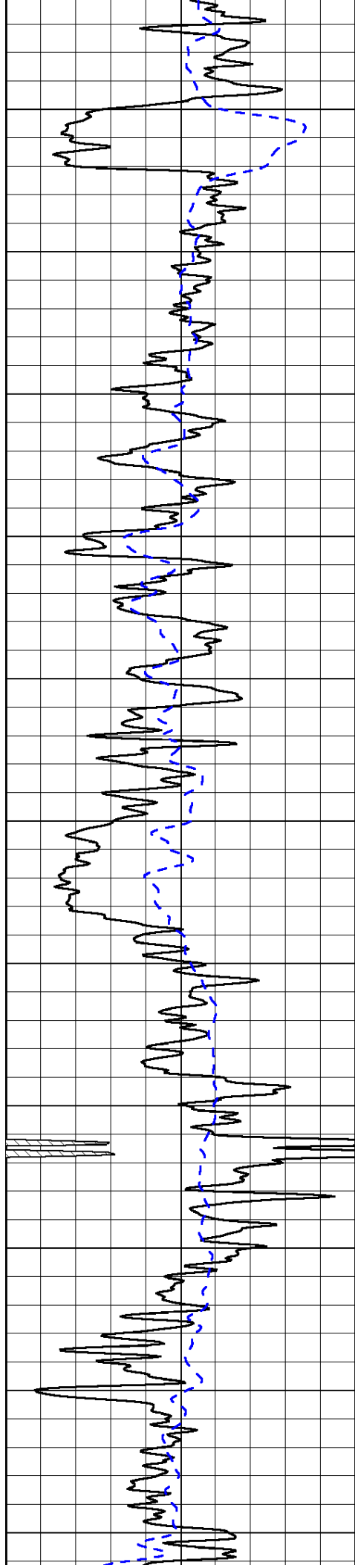
Quinter Ks.,
7 North to 130 Road, 1 West, 2 North, East Into.

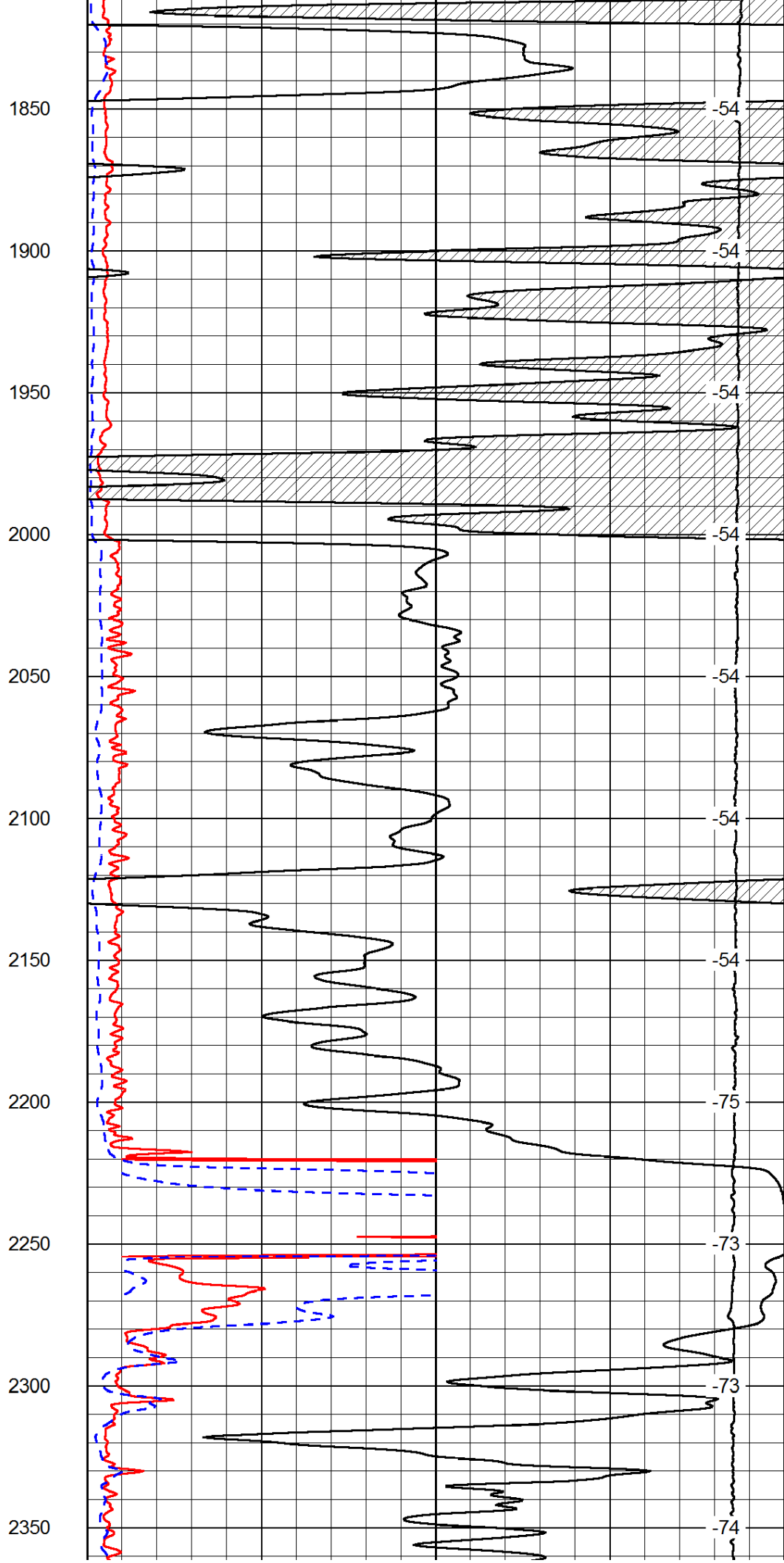
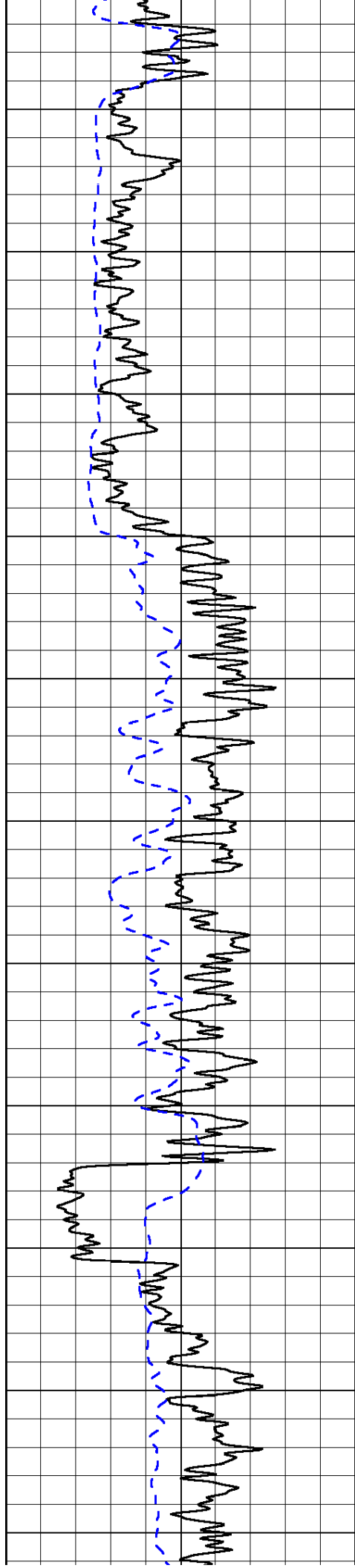
Database File: c:\warrior\data\culbreath_coburn #6-8\culbreath_coburn_6-8hd.db
Dataset Pathname: DIL\culstk
Presentation Format: dil2in
Dataset Creation: Fri Jun 13 06:33:00 2014
Charted by: Depth in Feet scaled 1:600

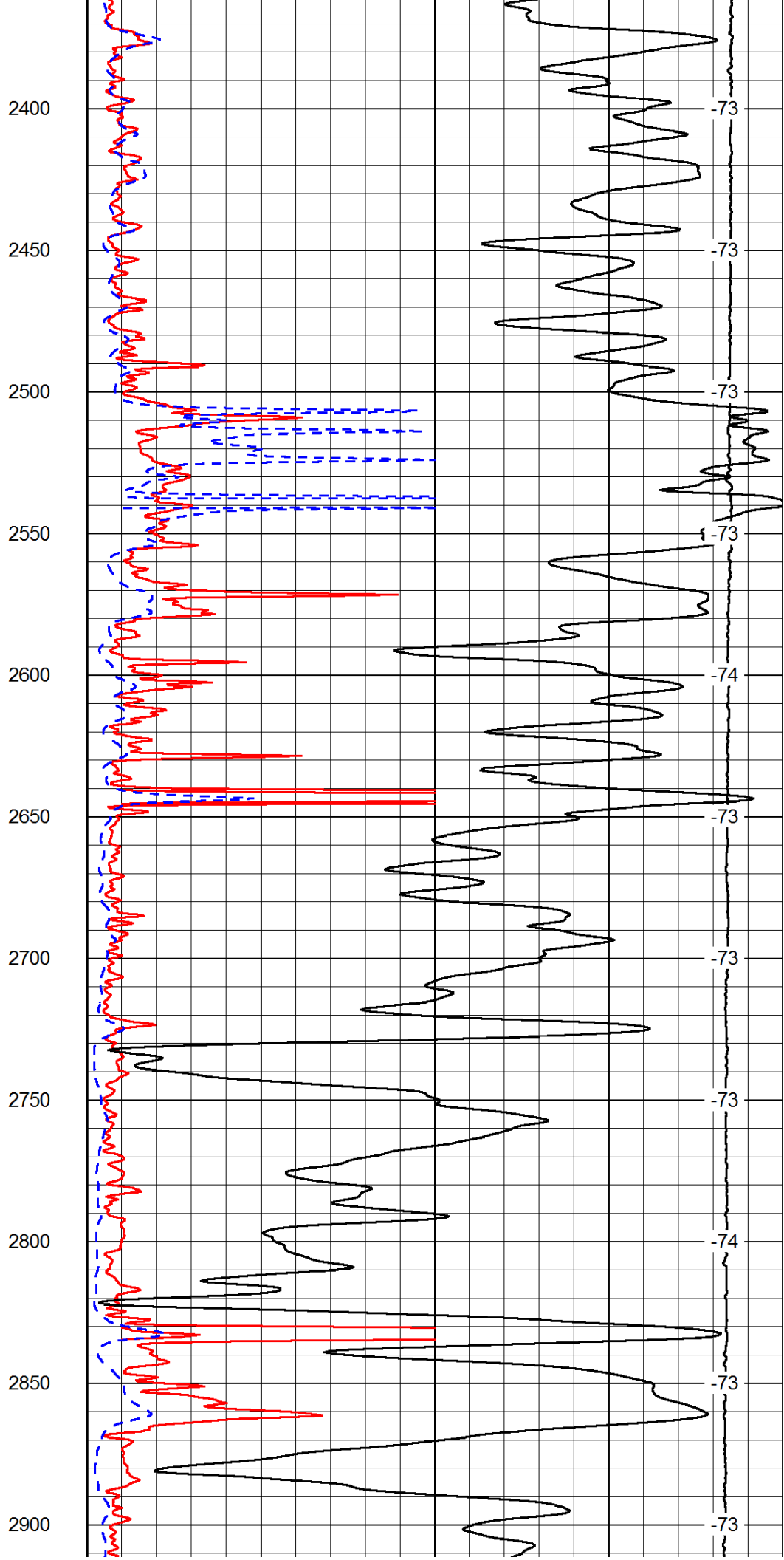
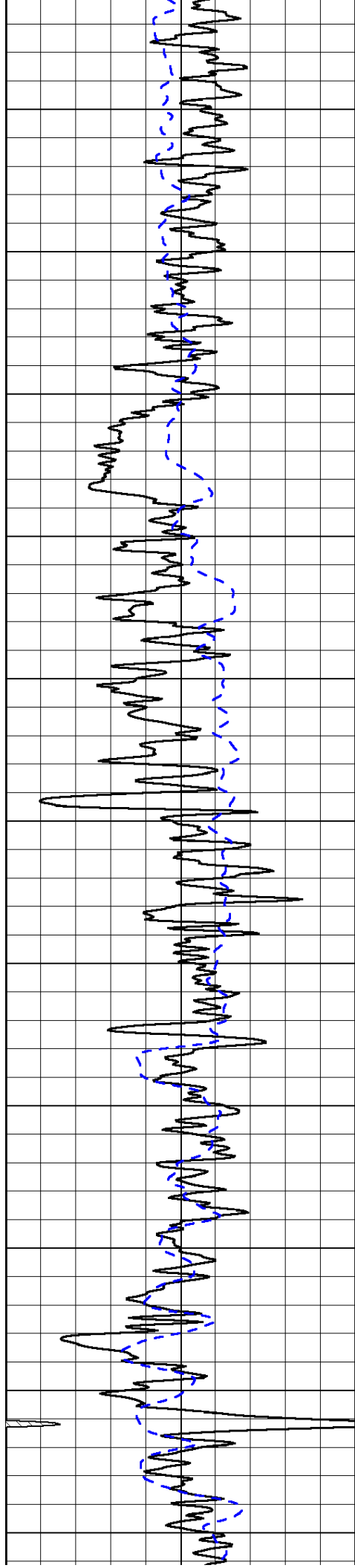
Charted by: _____ Depth in Feet scaled 1:600								
0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD		
-200	SP (mV)	0	0	Deep Resistivity	50			
			1000	Conductivity		0		
			15000	Line Tension		0		
			50	Shallow Resistivity	500			
			50	Deep Resistivity	500			

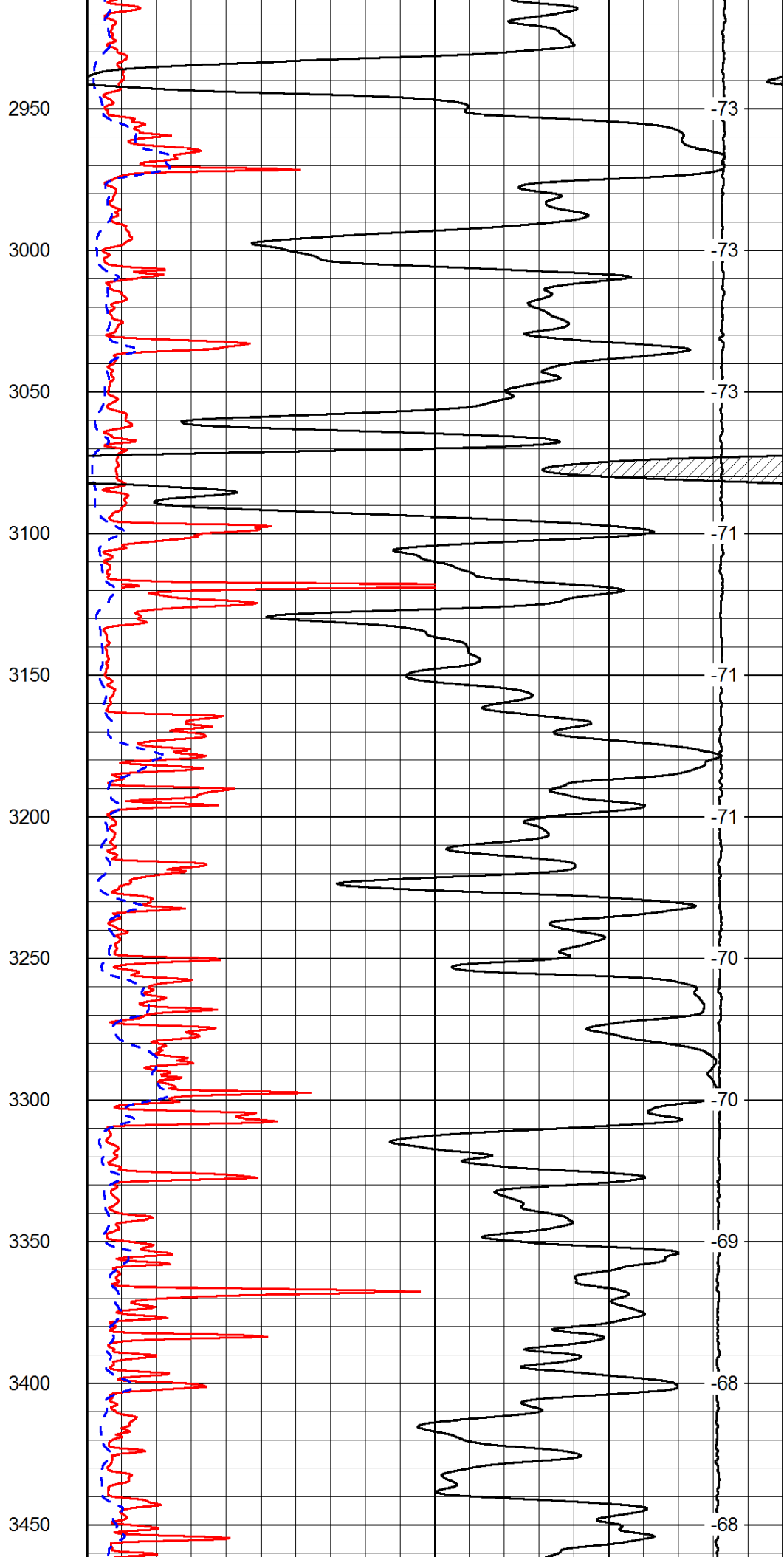
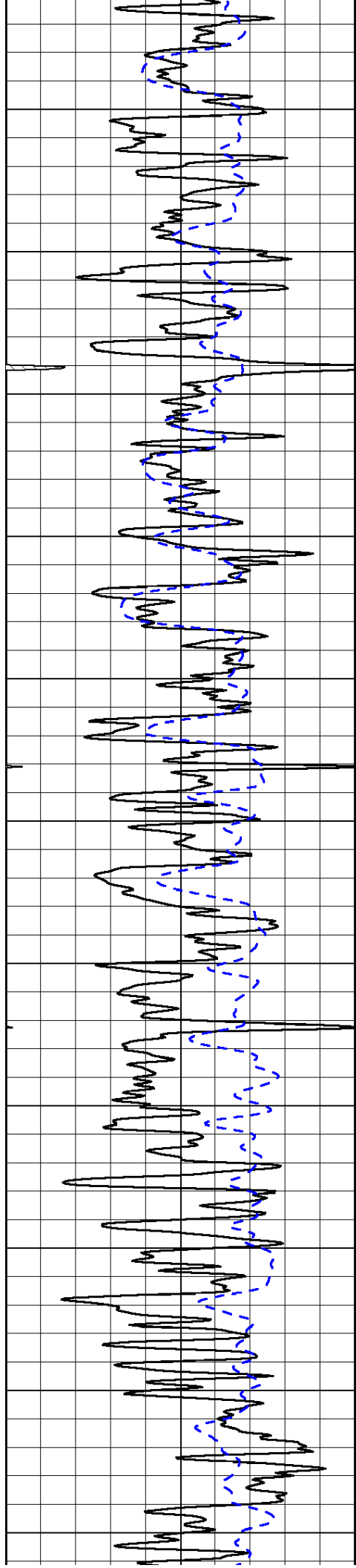


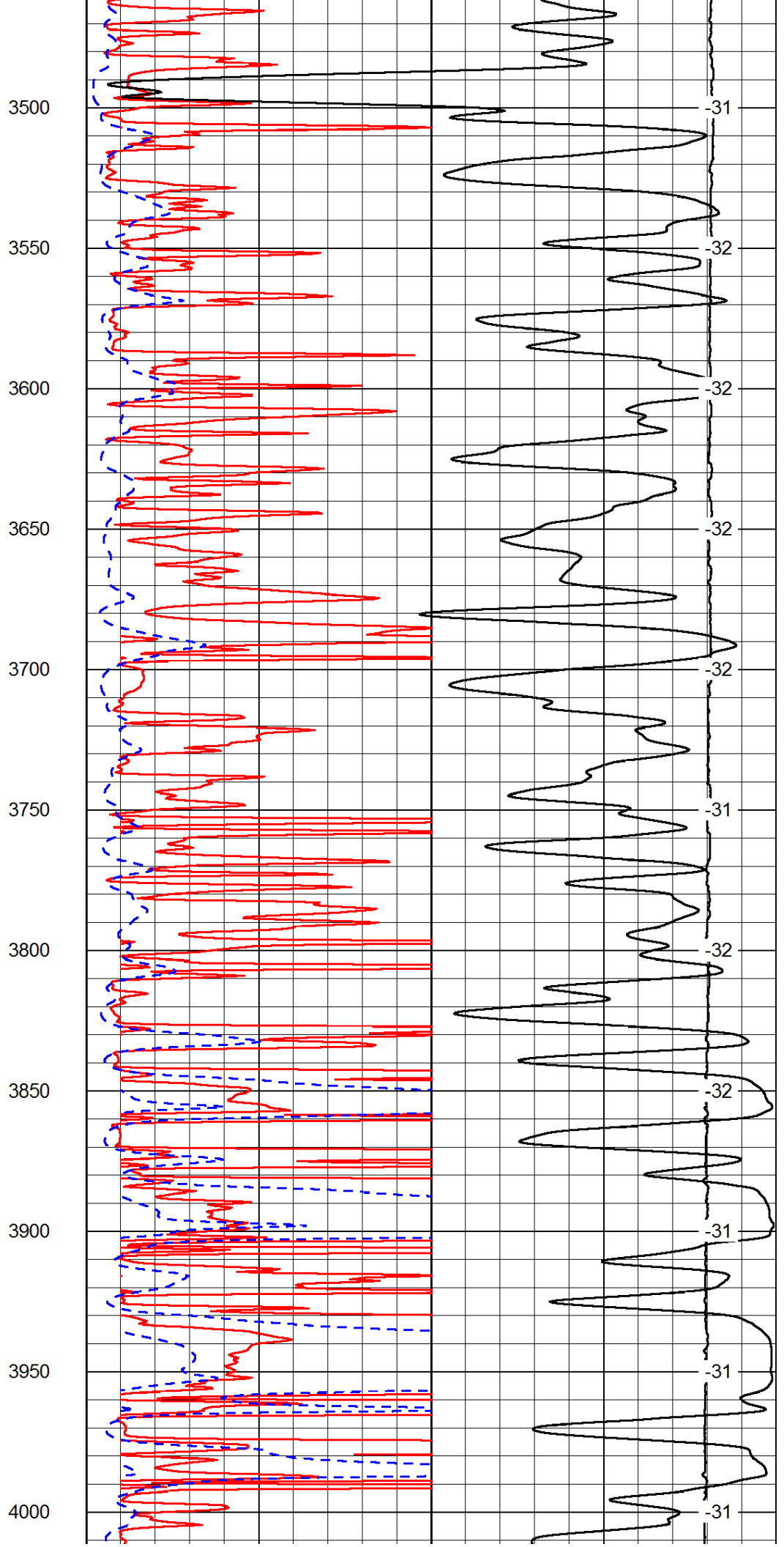
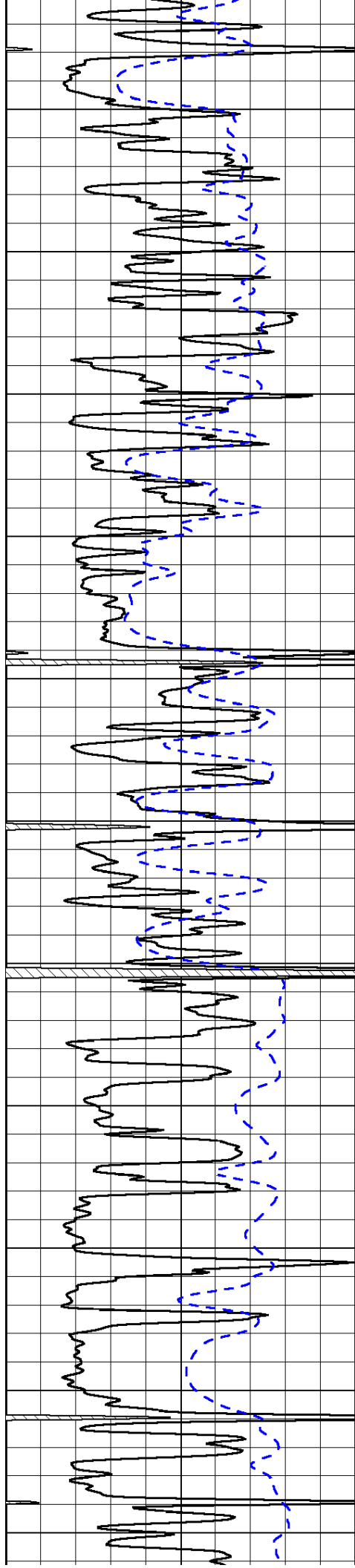


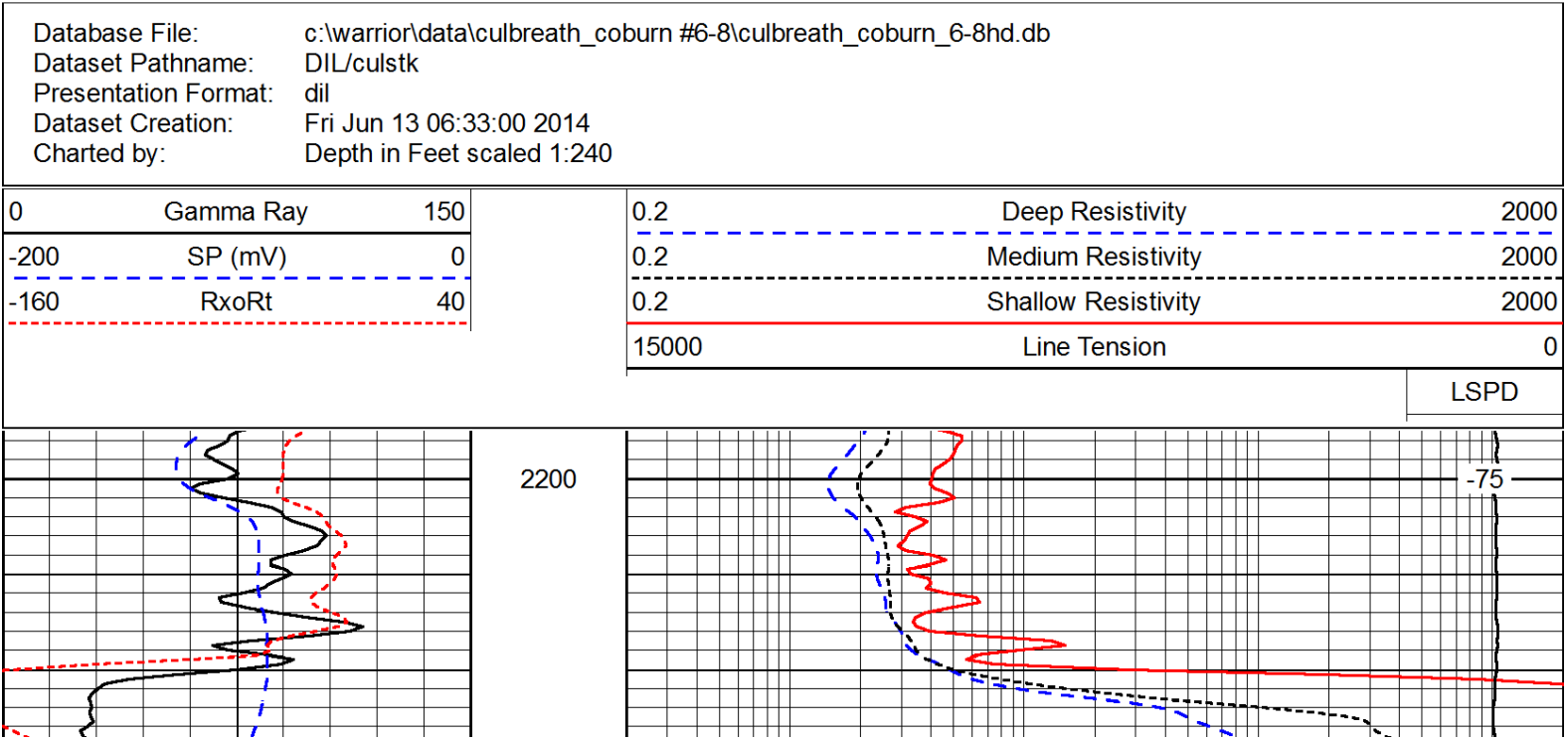
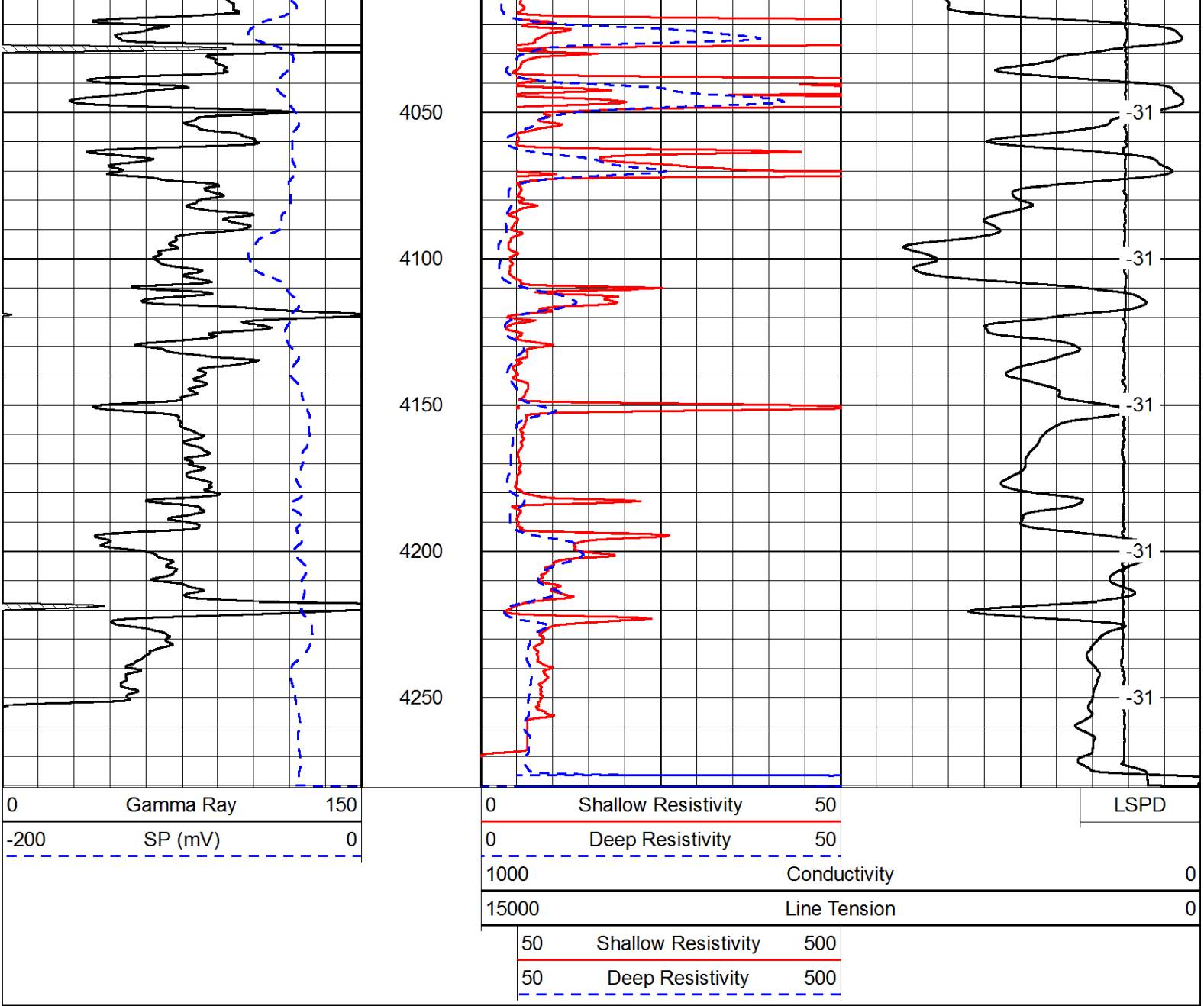


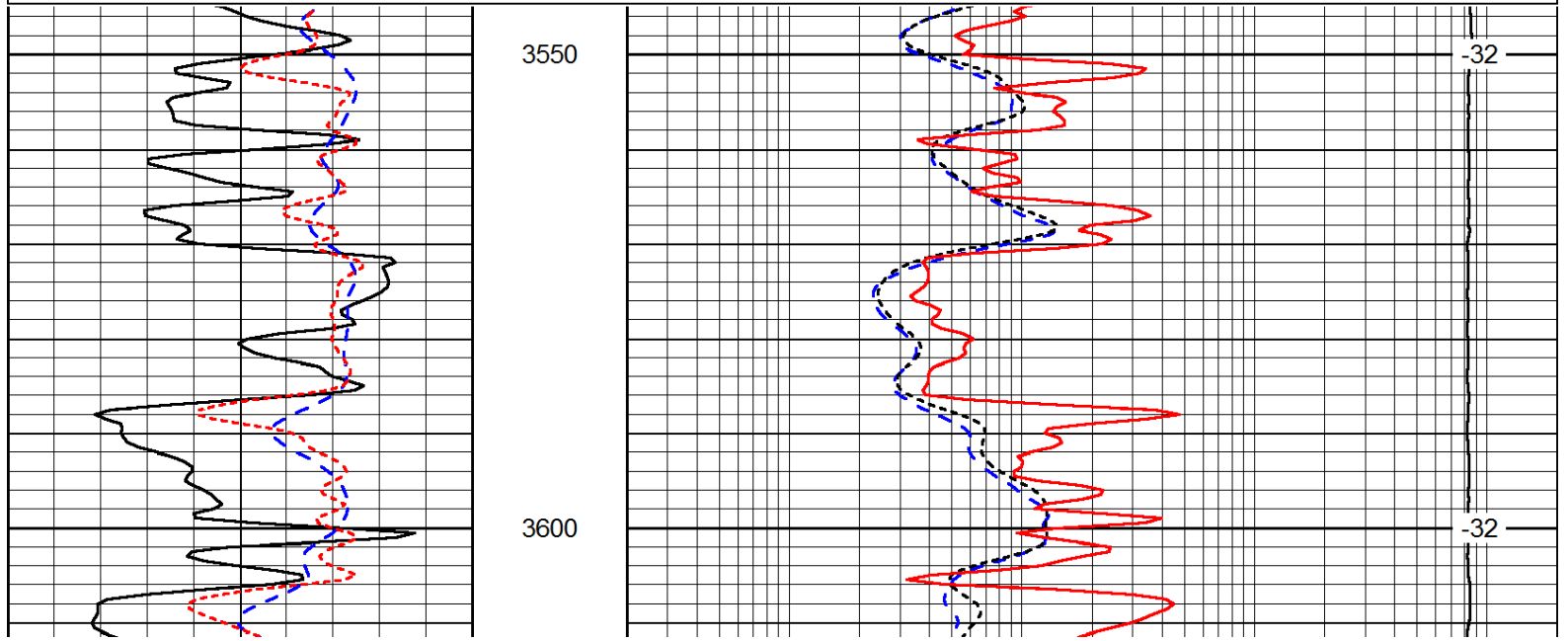
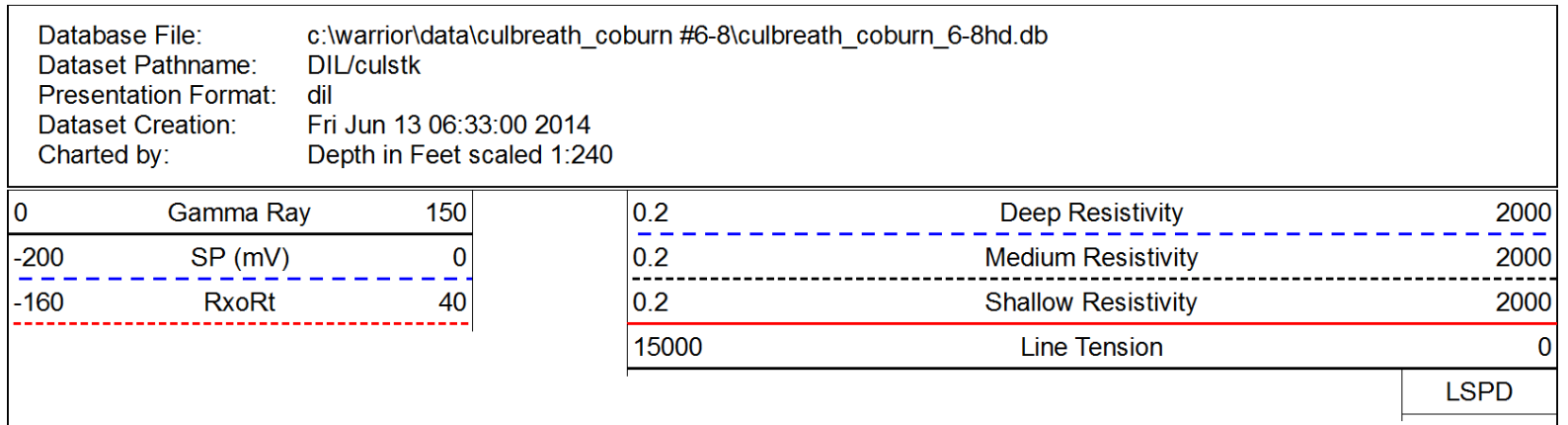
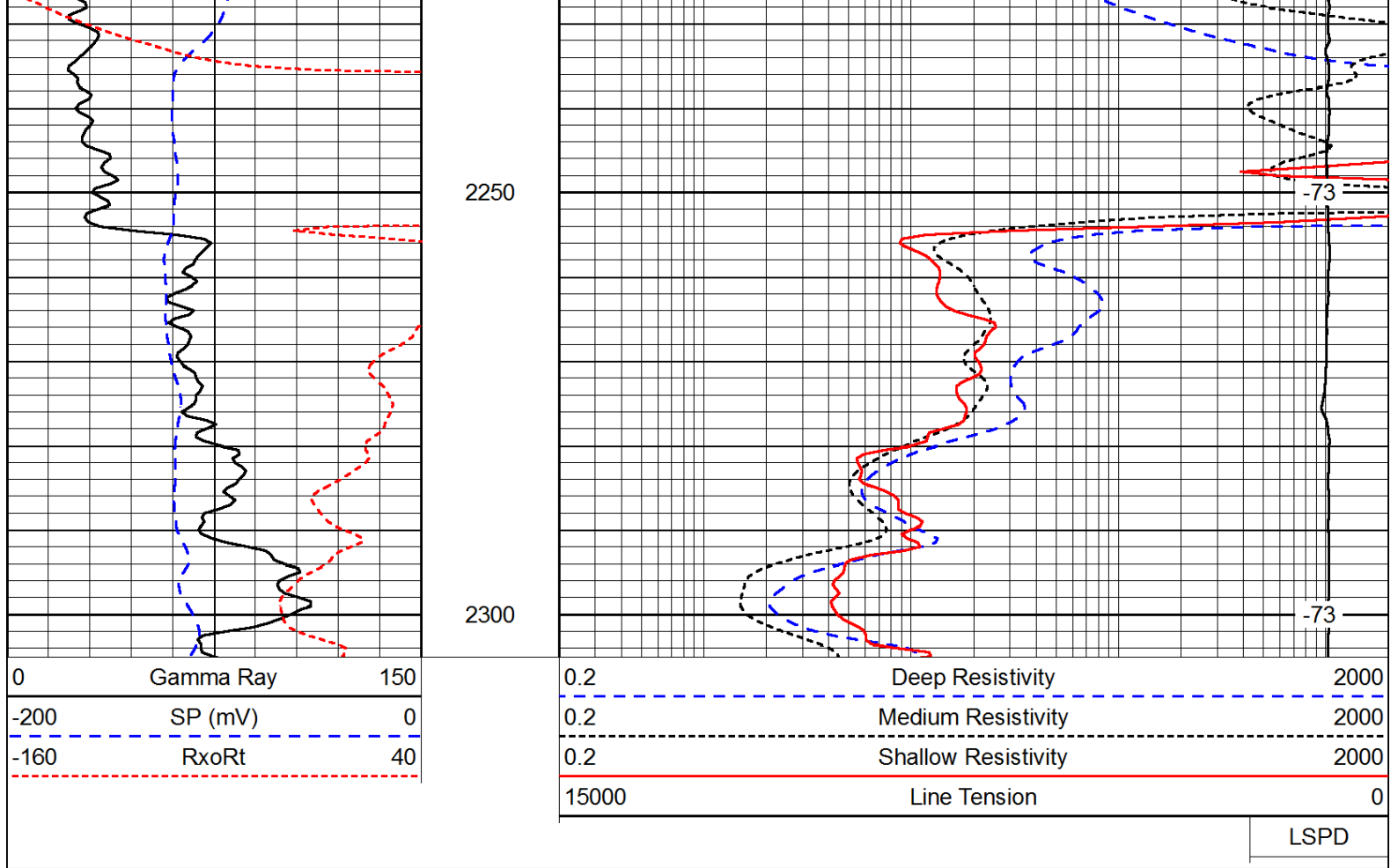


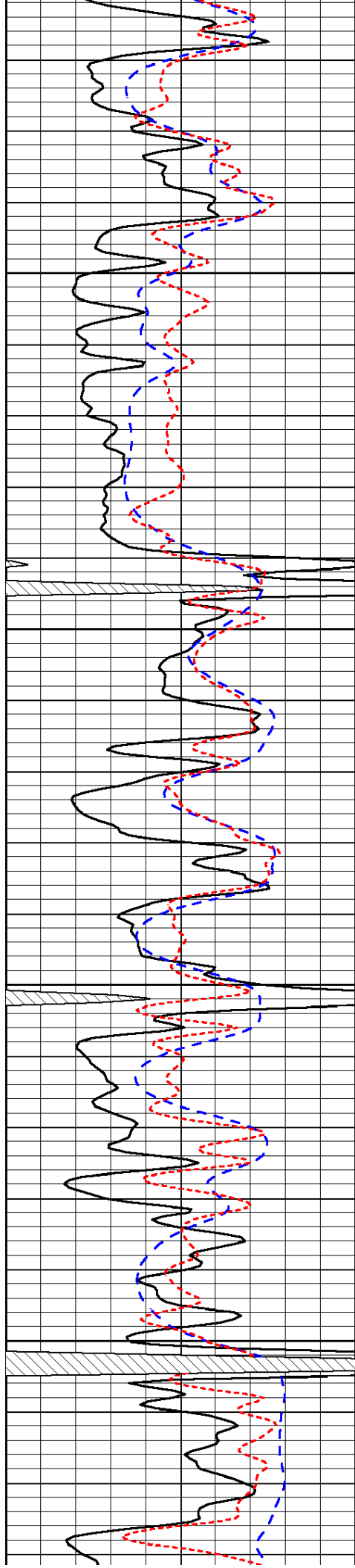










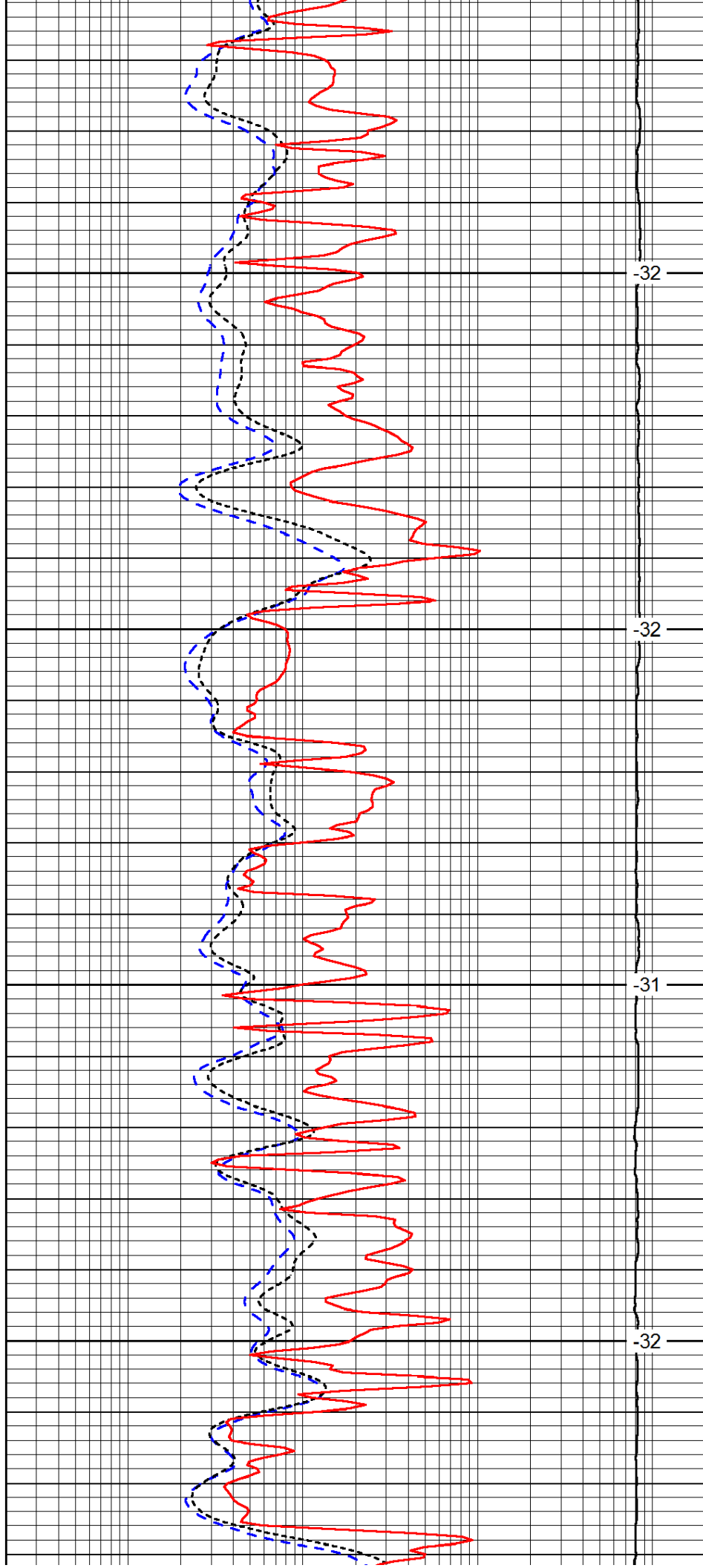


3650

3700

3750

3800

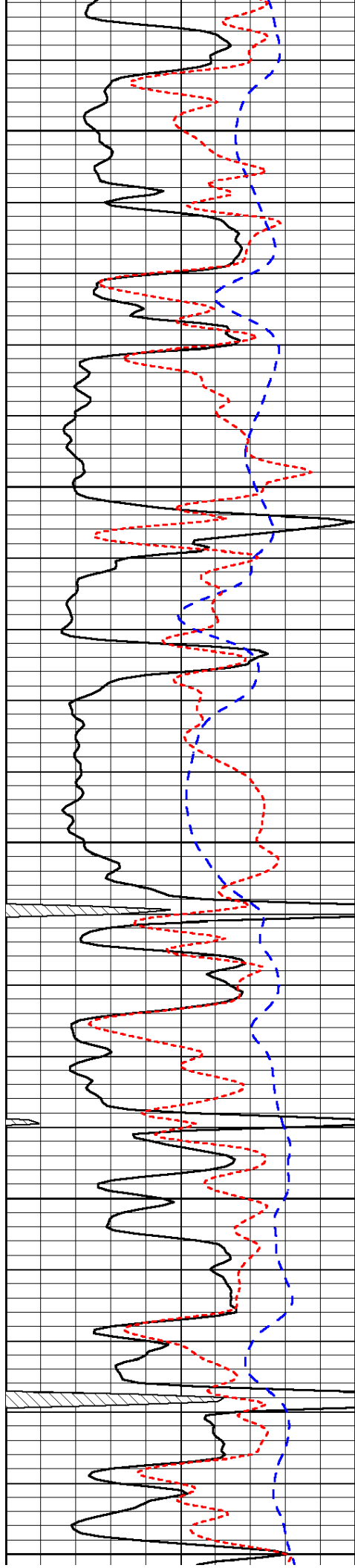


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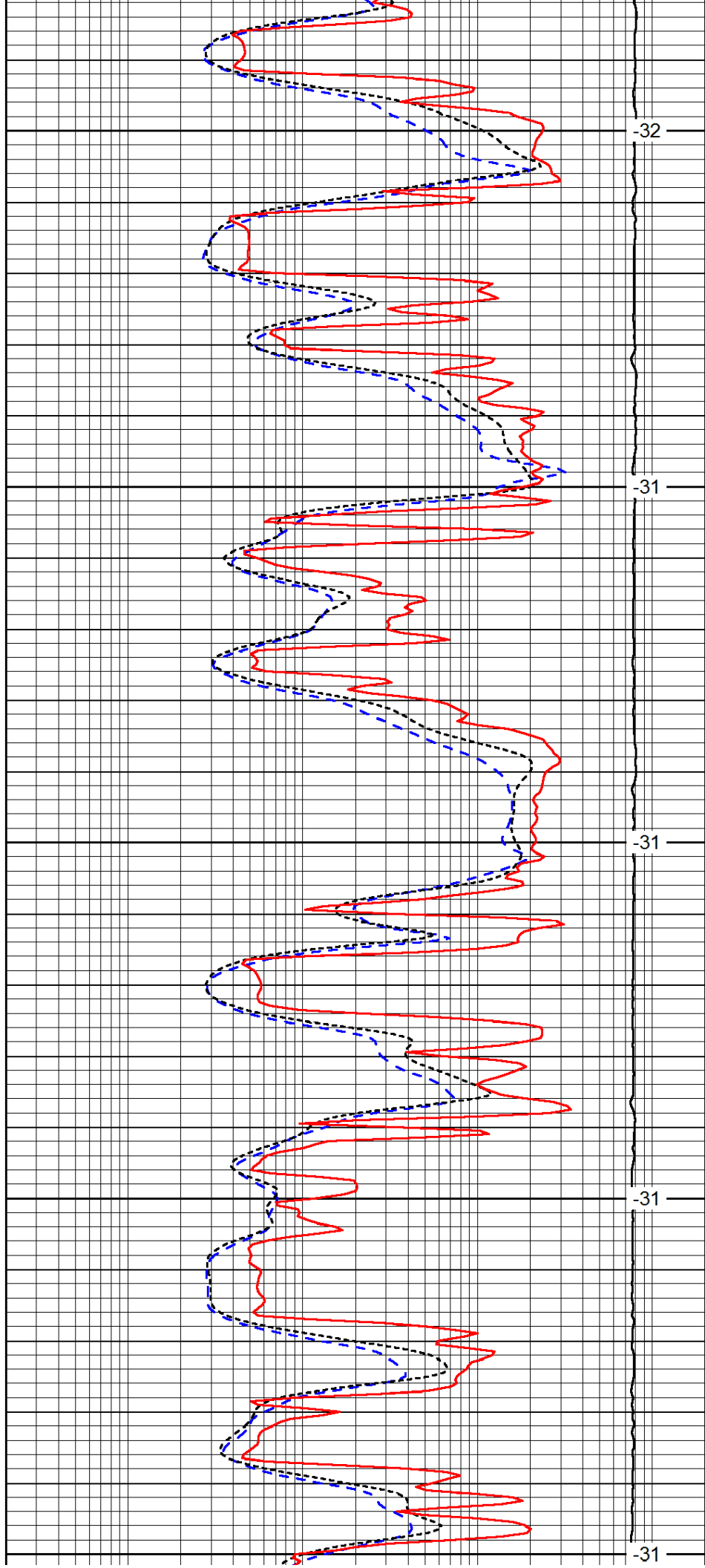
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3900

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4000

4050



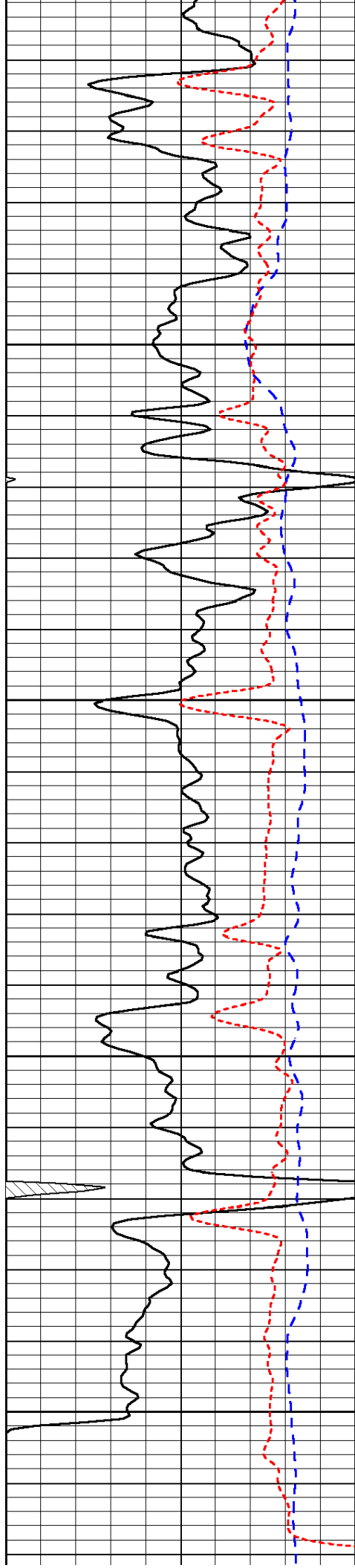
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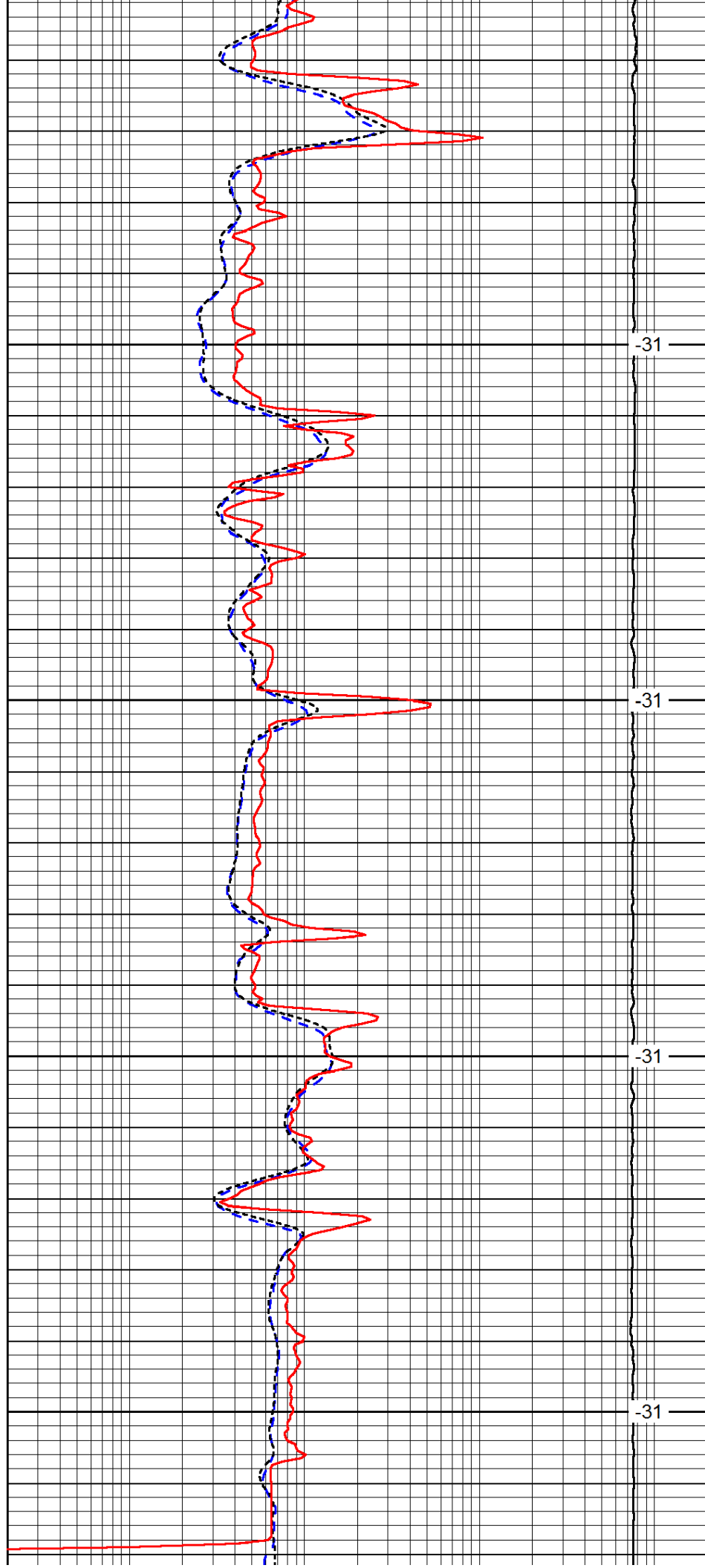


4100

4150

4200

4250

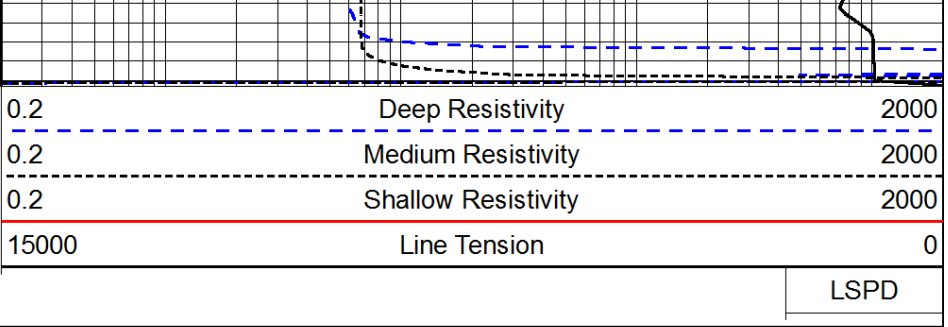
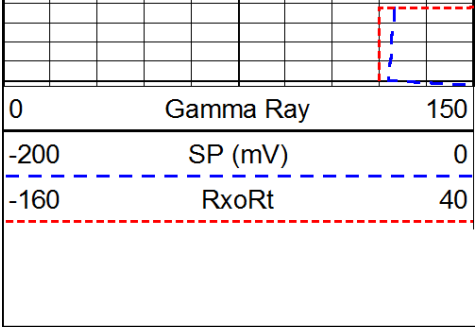


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LSPD