



Dual Induction Log

Pioneer Energy Services

API No.	Company Culbreath Oil & Gas Company, Inc.					
	Well Mader #3-1					
	Field					
	County	Sheridan	State	Kansas		
15-179-21,355-00-00	Location	990' FNL & 1,980' FWL			Other Services CNL/CDL MEL	
	Sec: 2	Twp: 10S	Rge: 20W			
	Permanent Datum	Ground Level	Elevation 2574	Elevation		
Log Measured From	Kelly Bushing	7	Ft. Above Perm. Datum	K.B.	2581	
Drilling Measured From	From Kelly Bushing				D.F.	2574
Date	4/17/2014					
Run Number	One					
Depth Driller	4125					
Depth Logger	4125					
Bottom Logged Interval	4124					
Top Log Interval	250					
Casing Driller	8.625 @ 261					
Casing Logger	261					
Bit Size	7.875					
Type Fluid in Hole	Chemical					
Salinity, ppm CL	3800					
Density / Viscosity	9.2	52				
pH / Fluid Loss	10.5	7.2				
Source of Sample	Flowline					
Rm @ Meas. Temp	.70 @ 58					
Rmf @ Meas. Temp	.53 @ 58					
Rmc @ Meas. Temp	.95 @ 58					
Source of Rmf / Rmc	Charts					
Rm @ BHT	.35 @ 117					
Operating Rig Time	4 Hours					
Max Rec. Temp. F	117					
Equipment Number	108					
Location	Hays					
Recorded By	J. Long					
Witnessed By	Steve Murphy		Anthony Lune			

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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

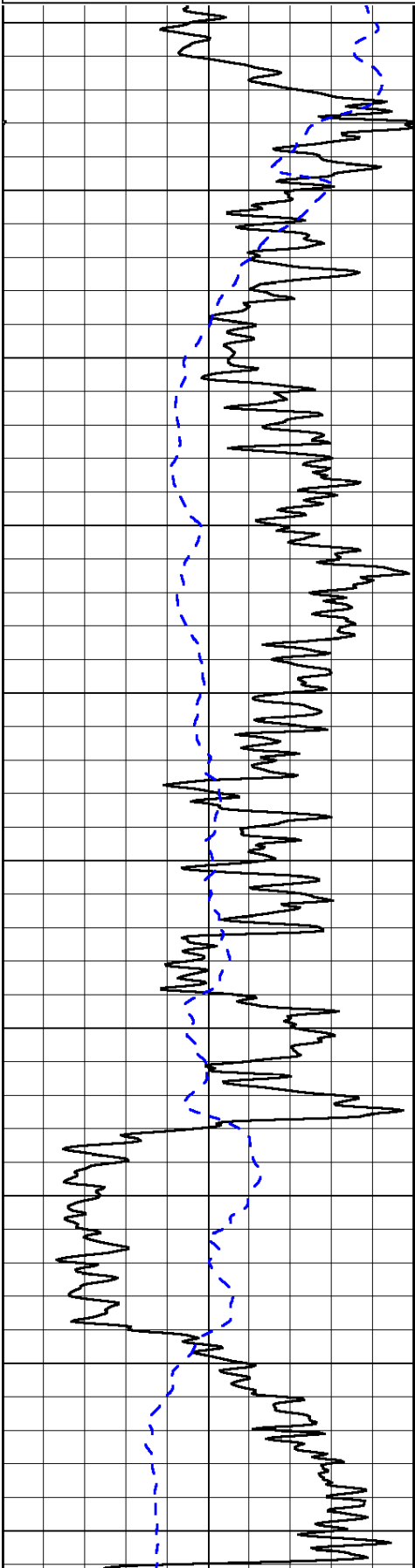
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Collyer, West to 78 Road, 11 North to Road 100, 1/2 East, 1/8 South, West Into

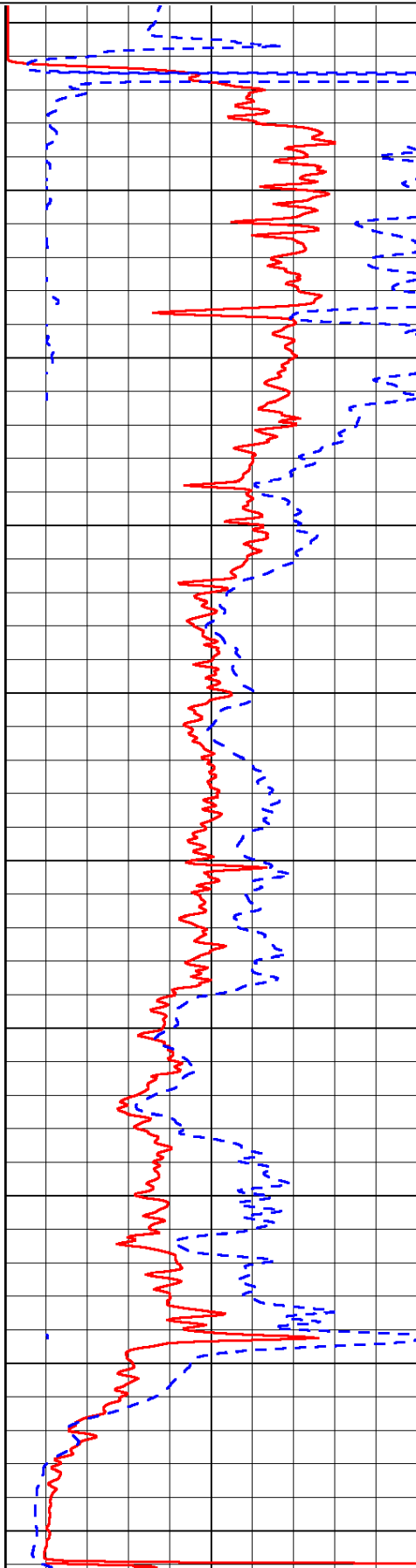
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Dataset Pathname: dil\culbstck
Presentation Format: dil2in
Dataset Creation: Thu Apr 17 03:01:01 2014
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:600

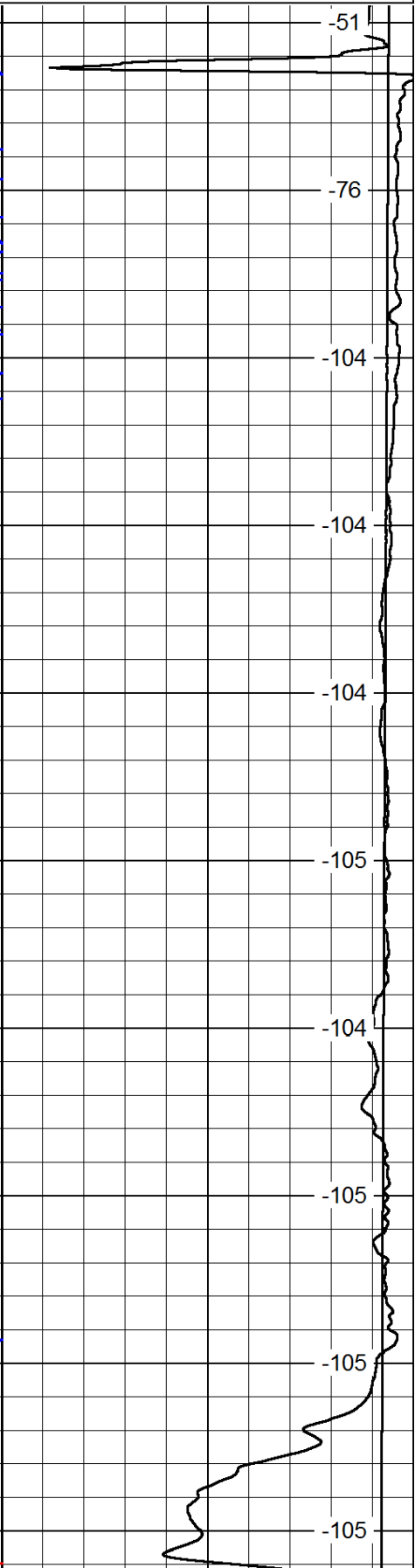
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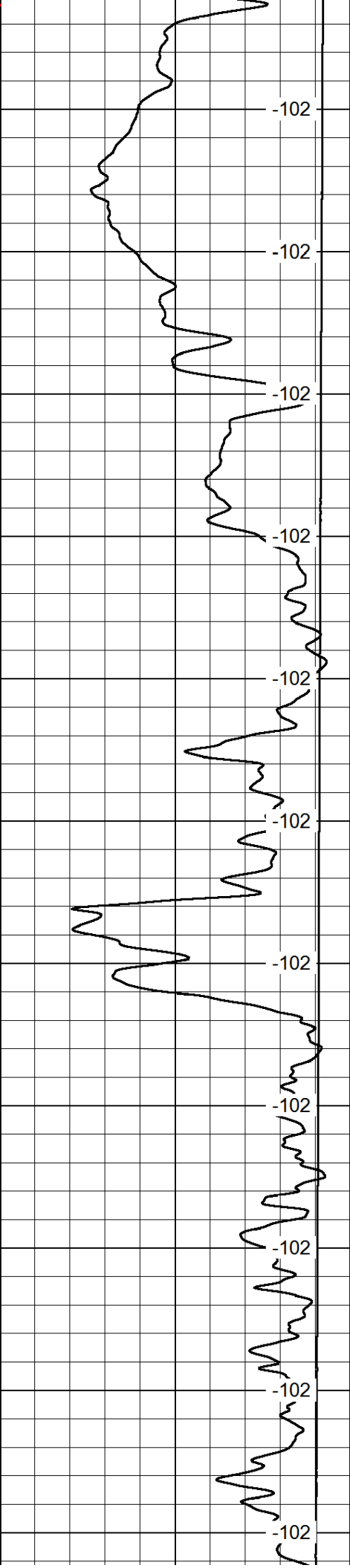
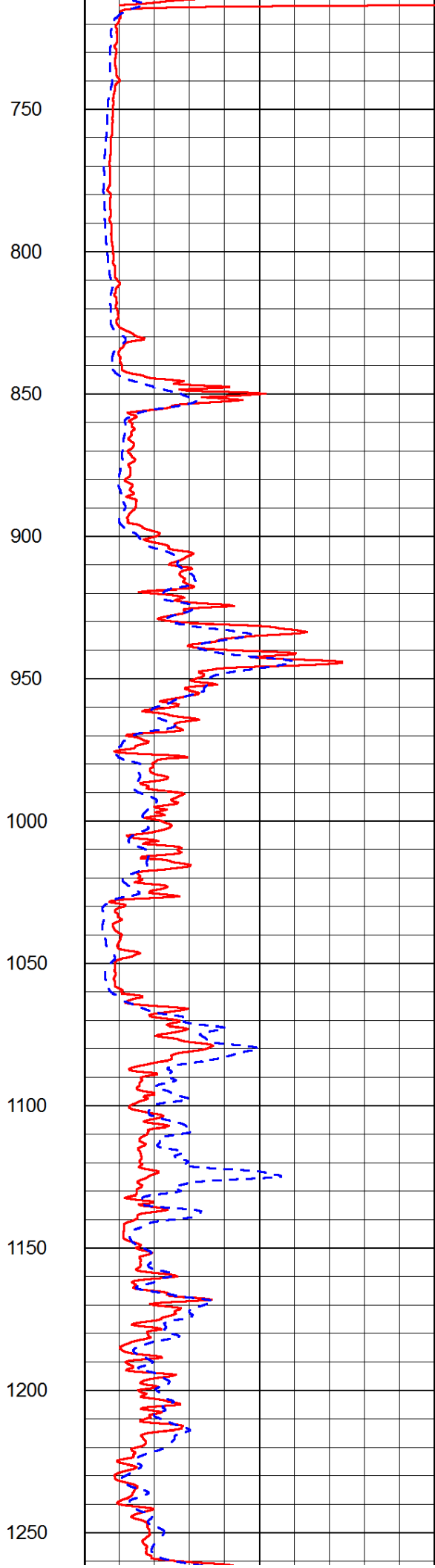
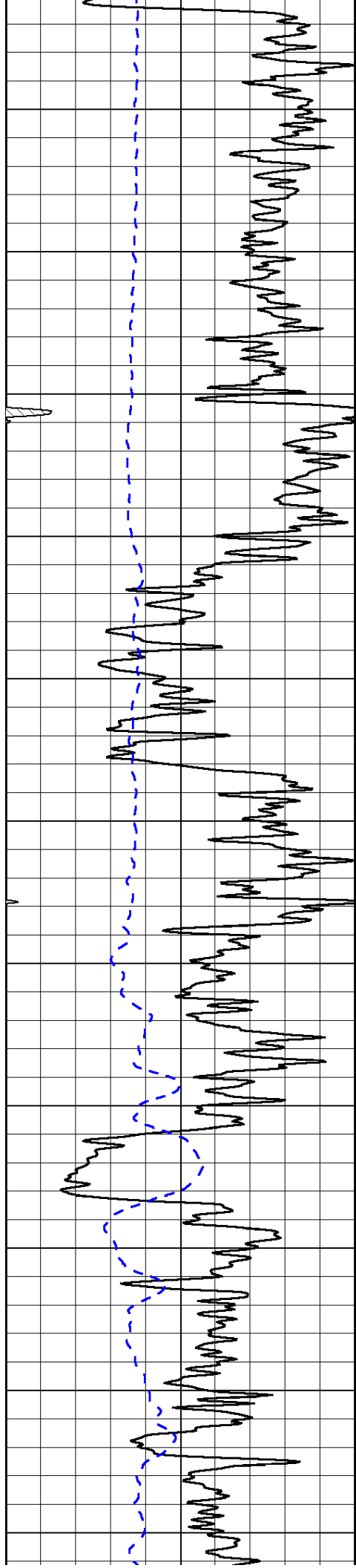


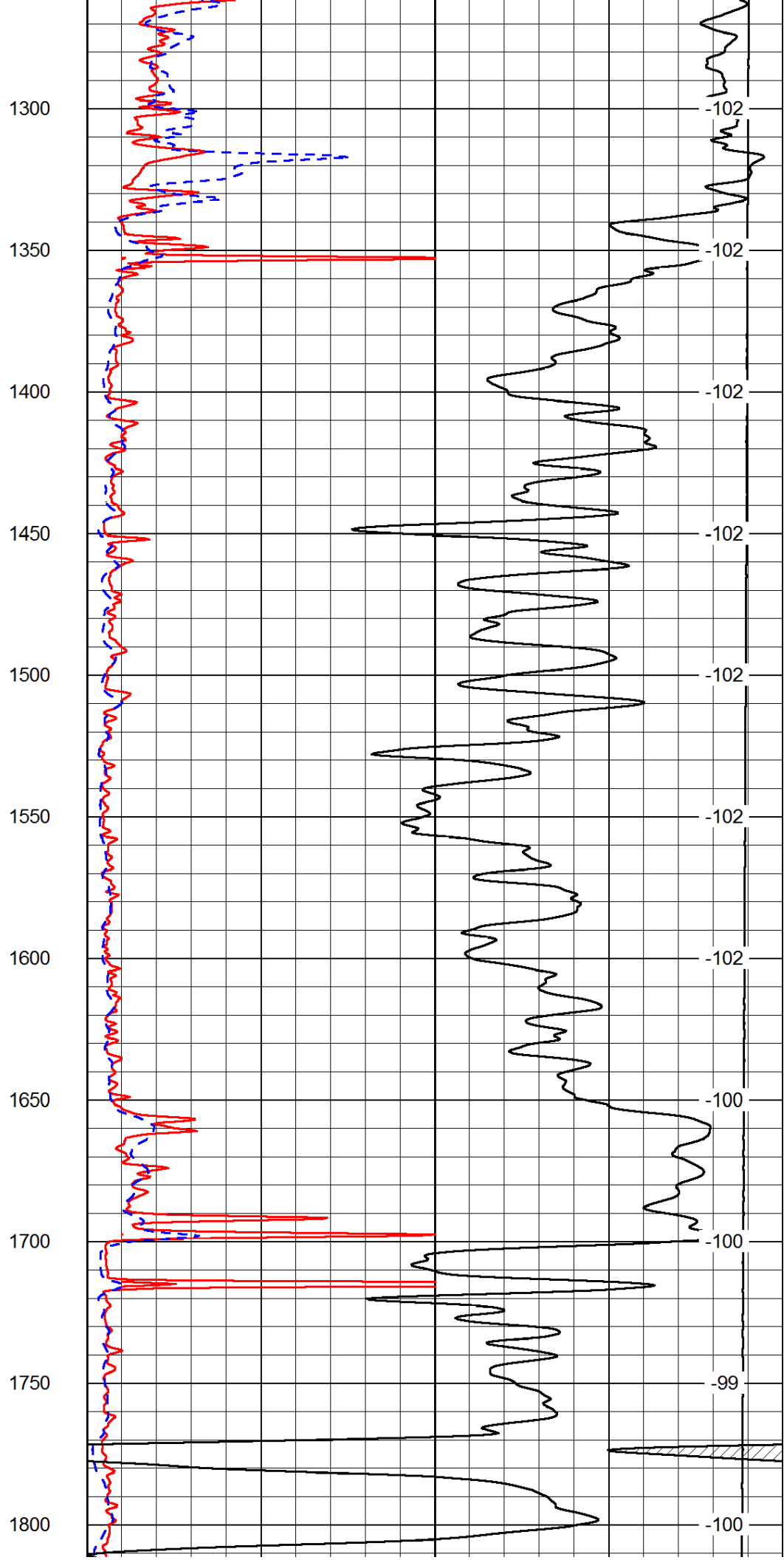
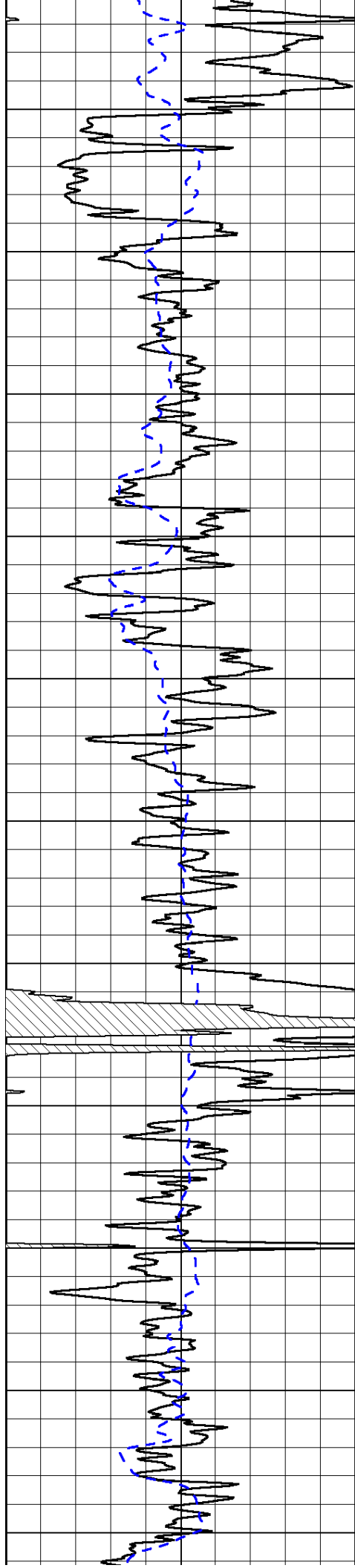
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
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50	Deep Resistivity	500

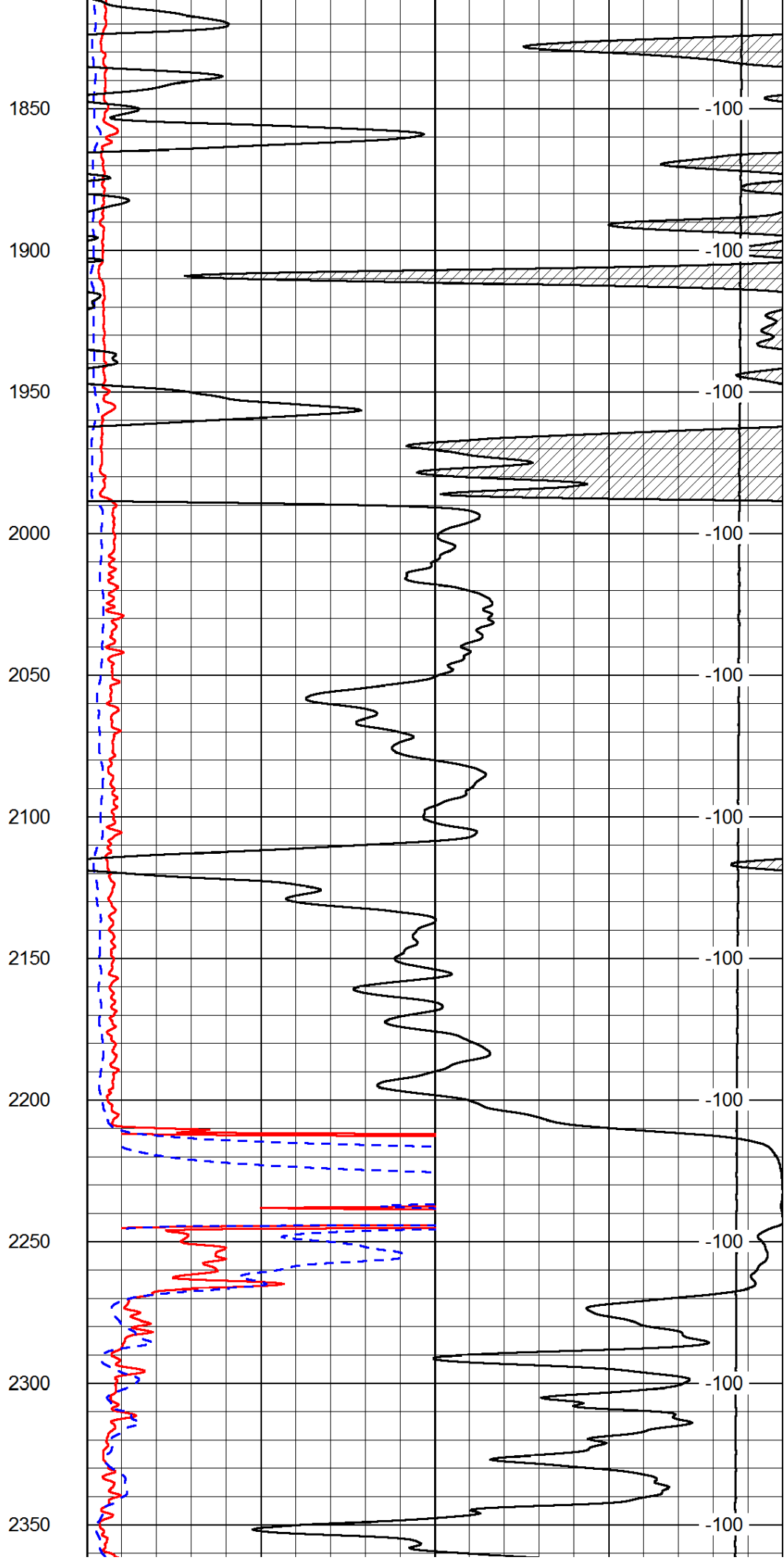
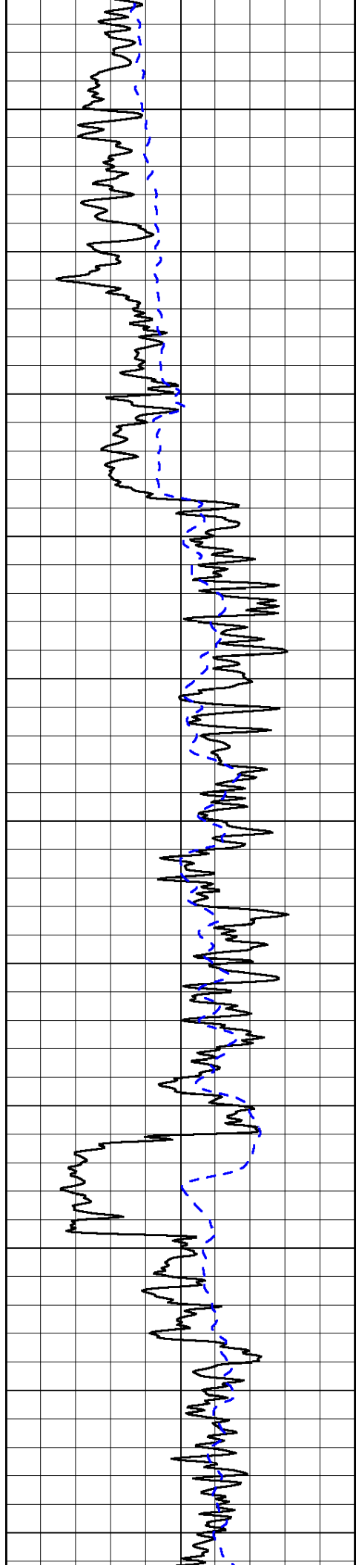


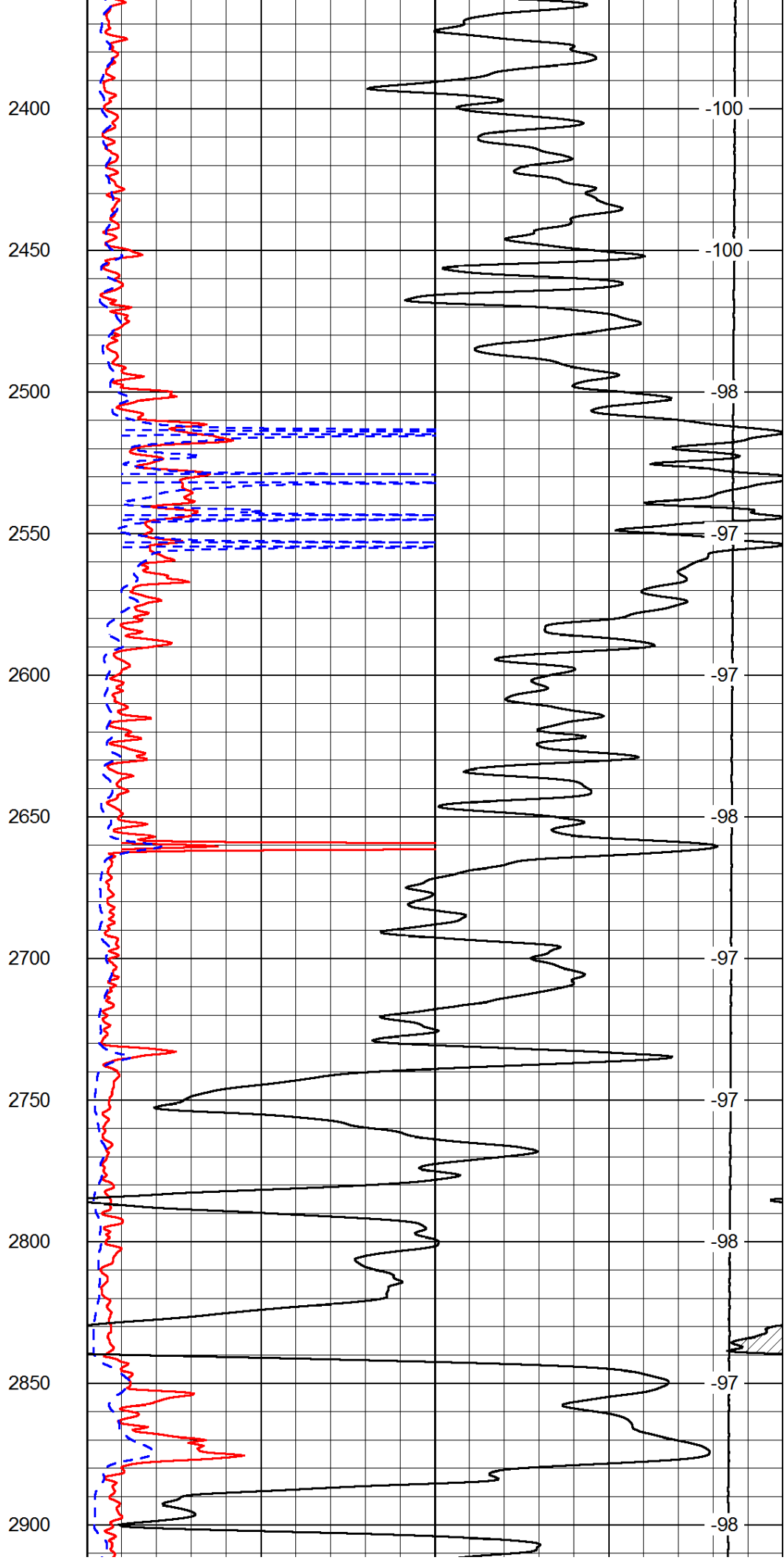
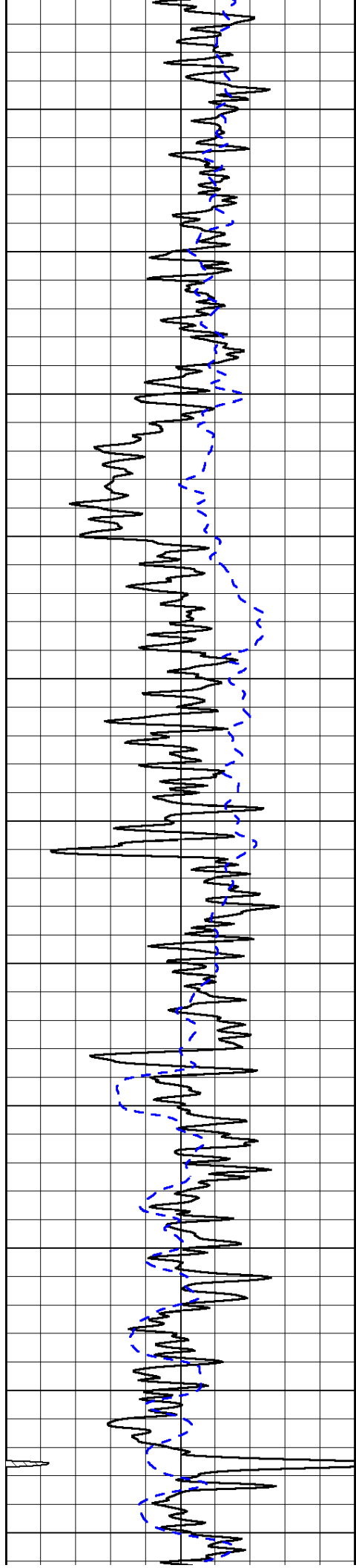
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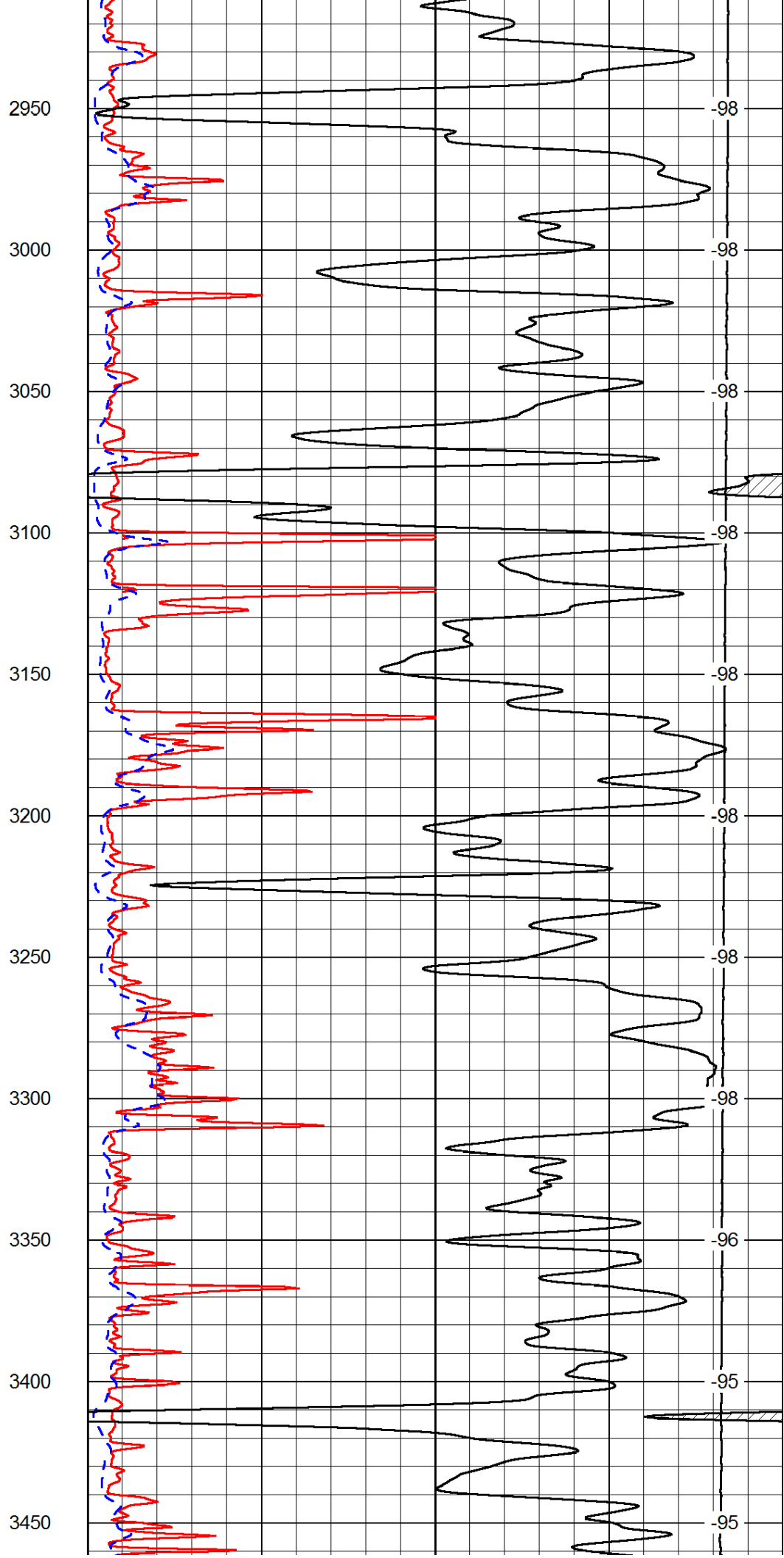
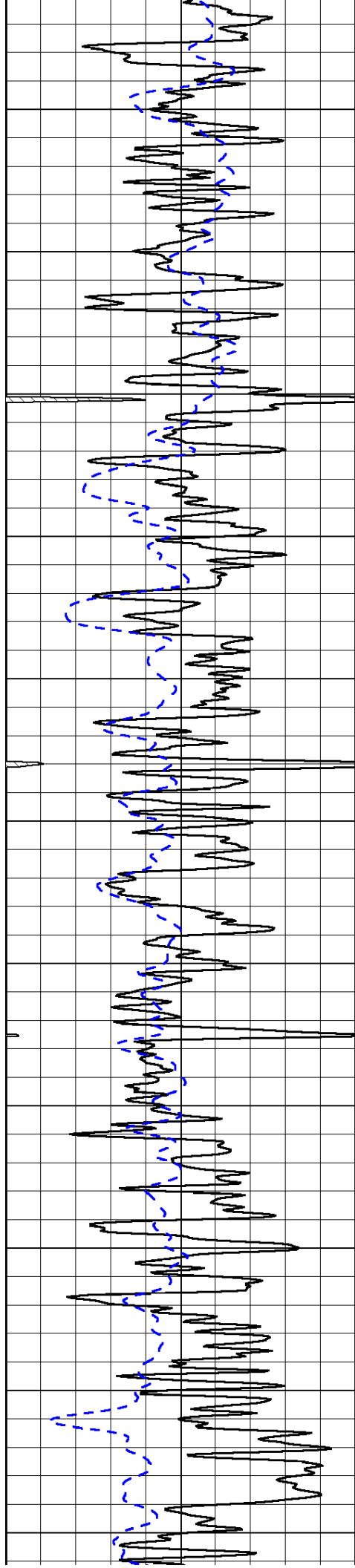


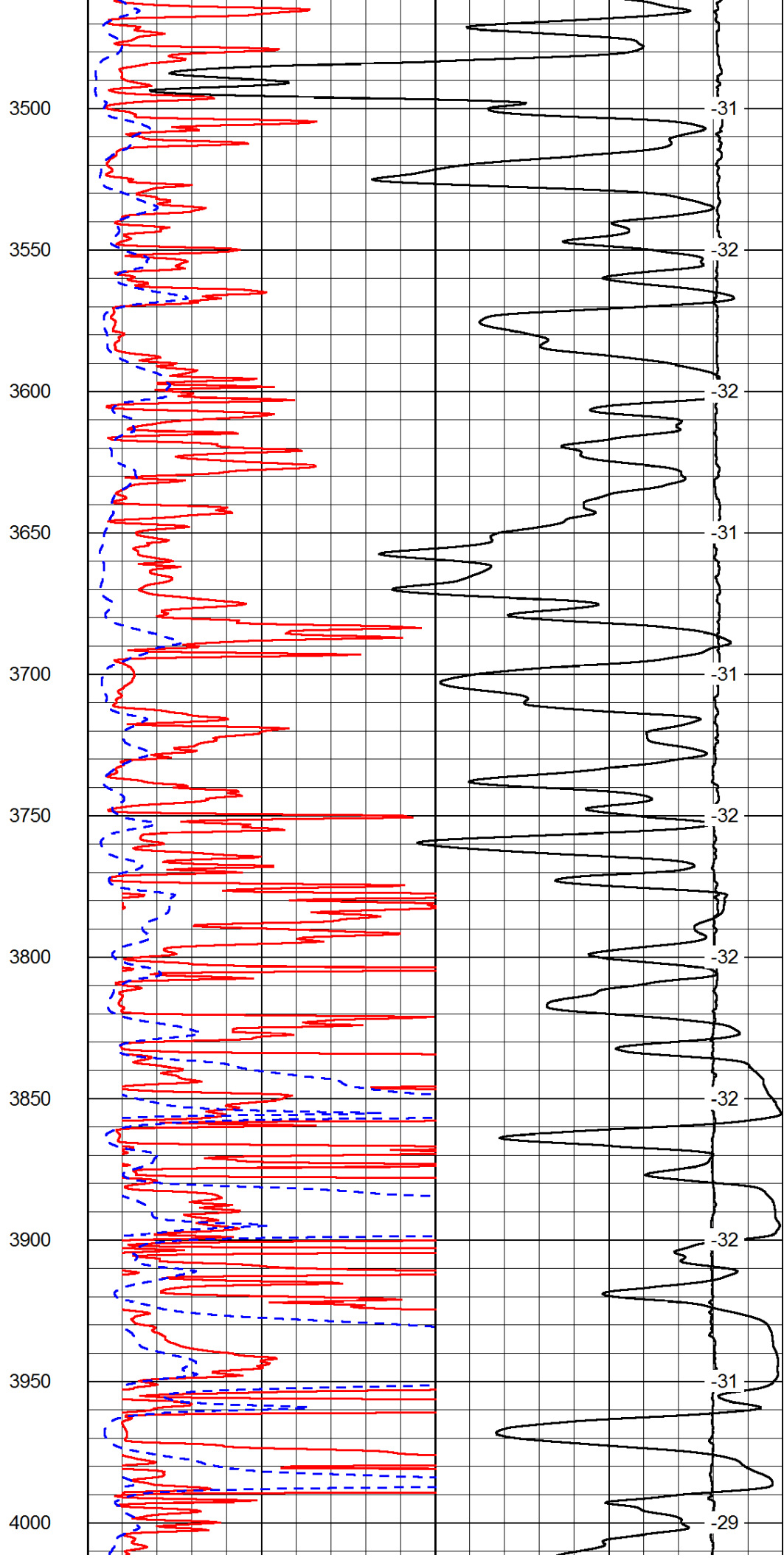
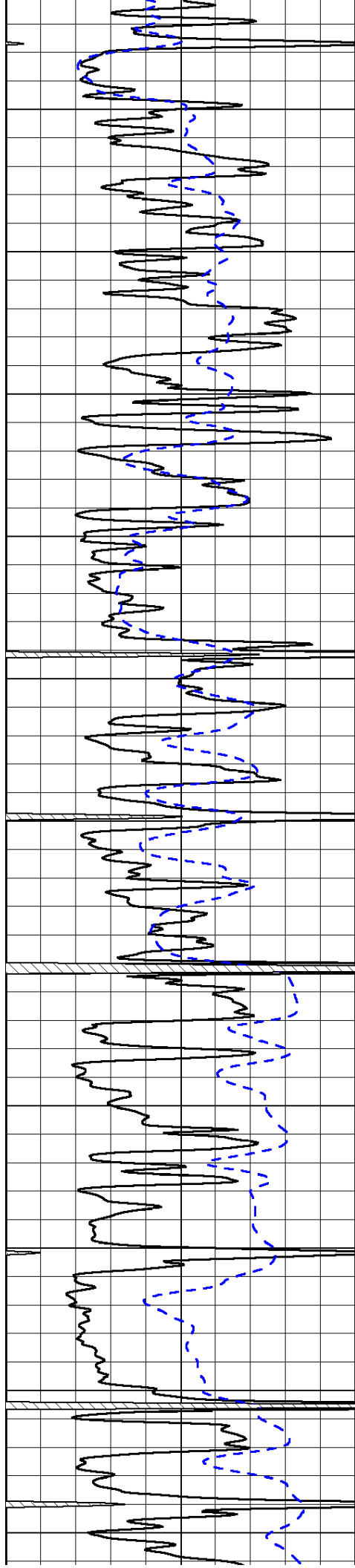


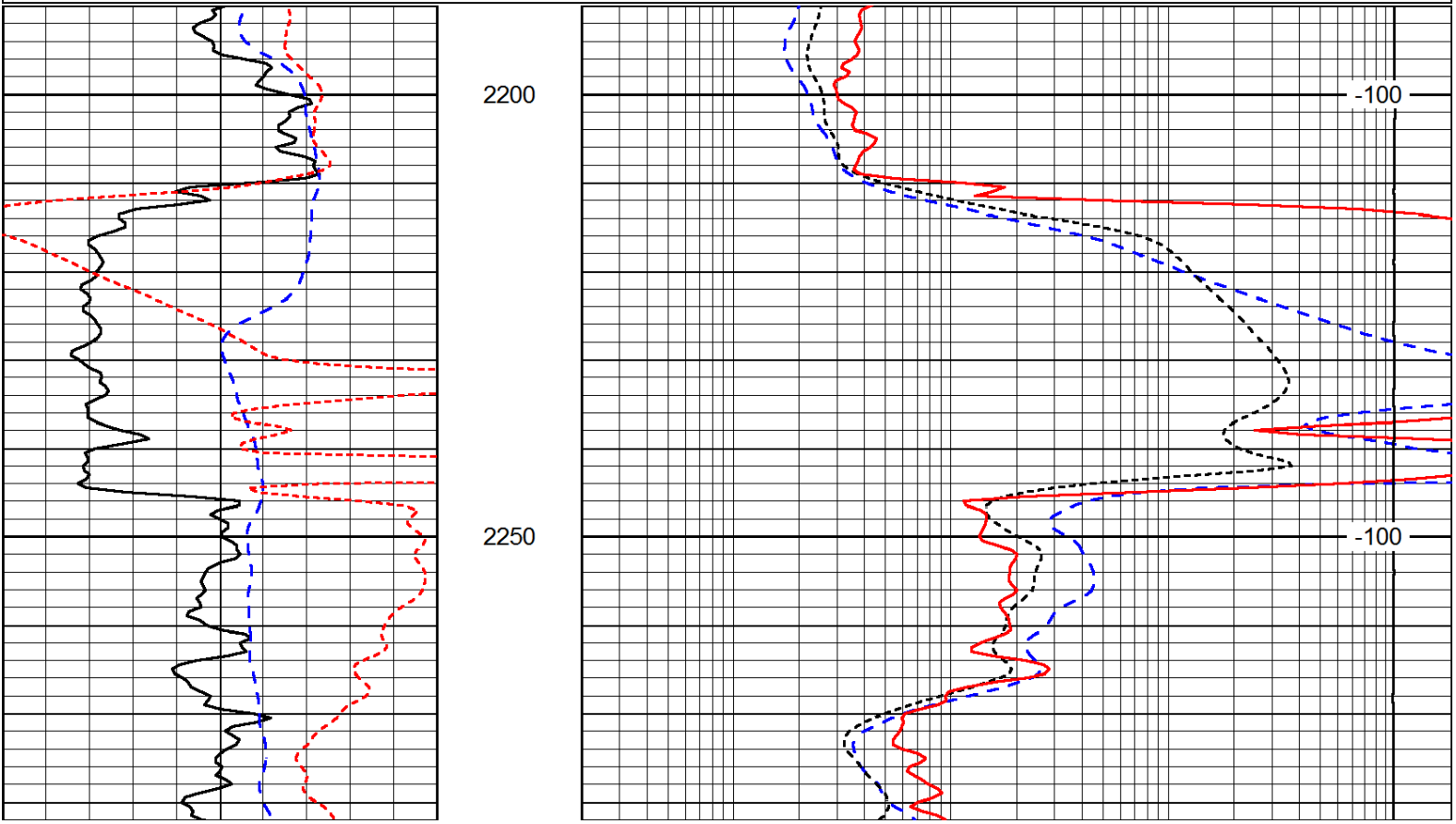
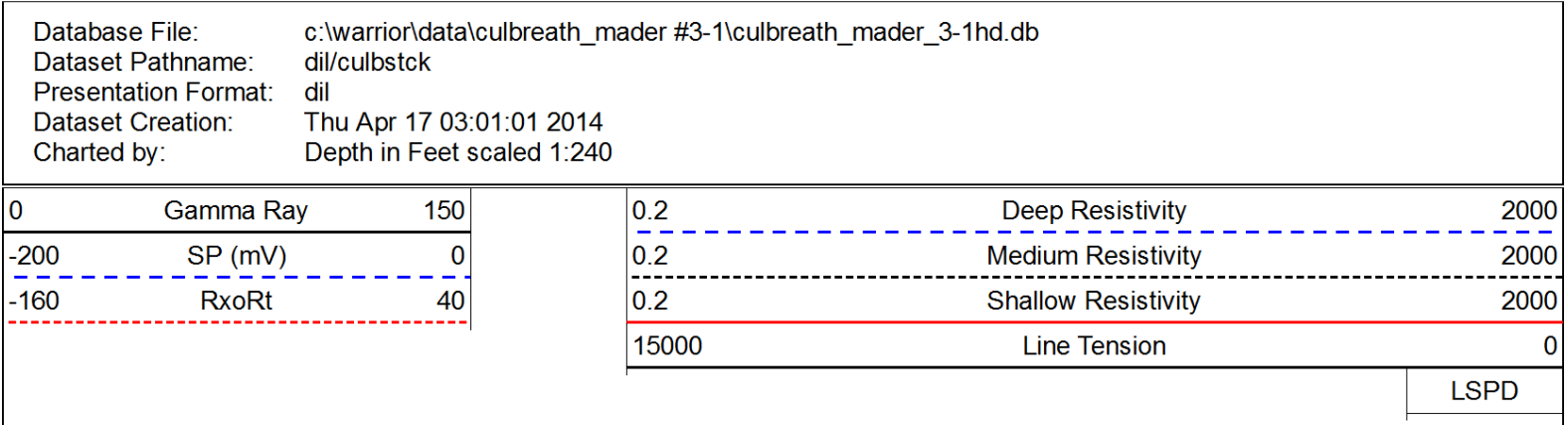
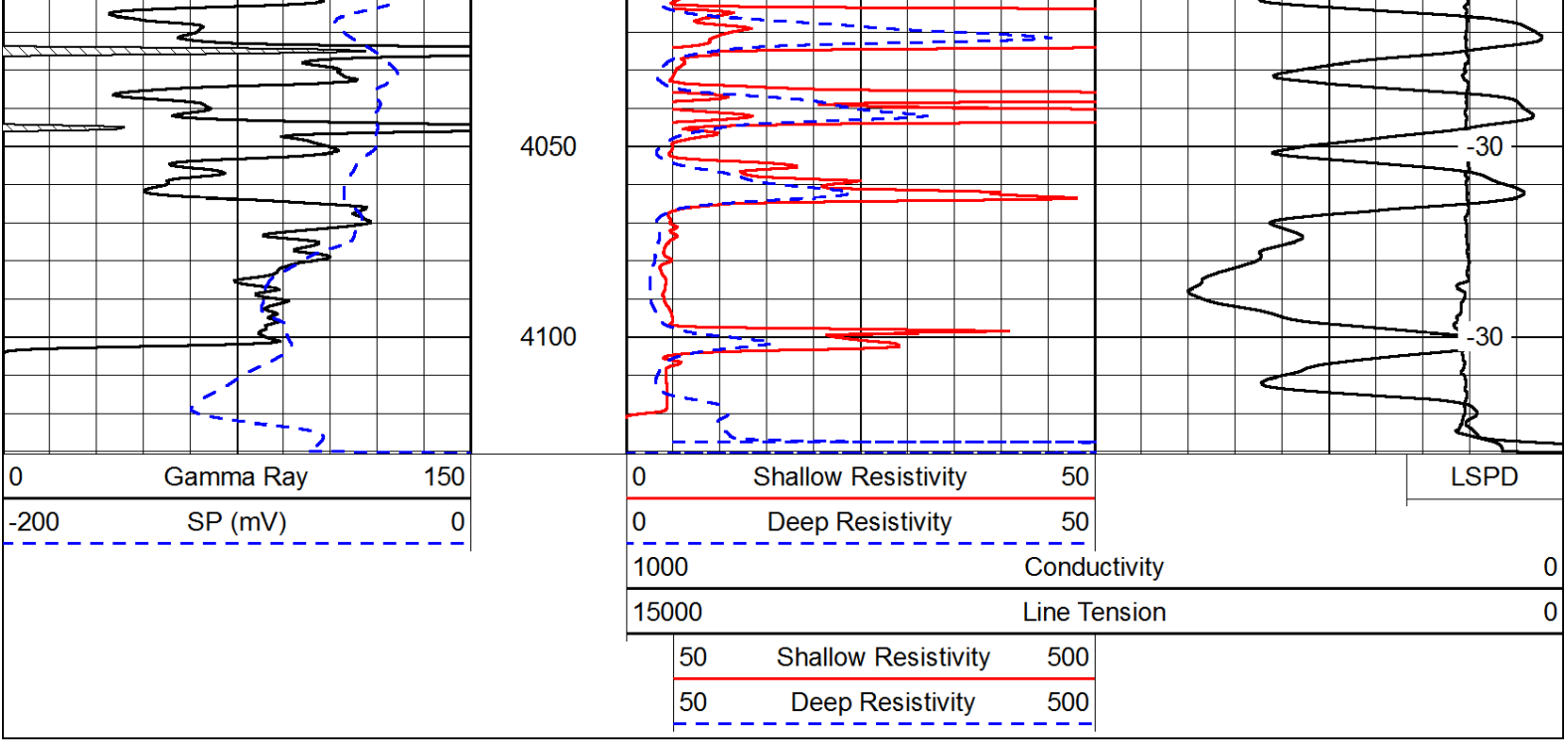


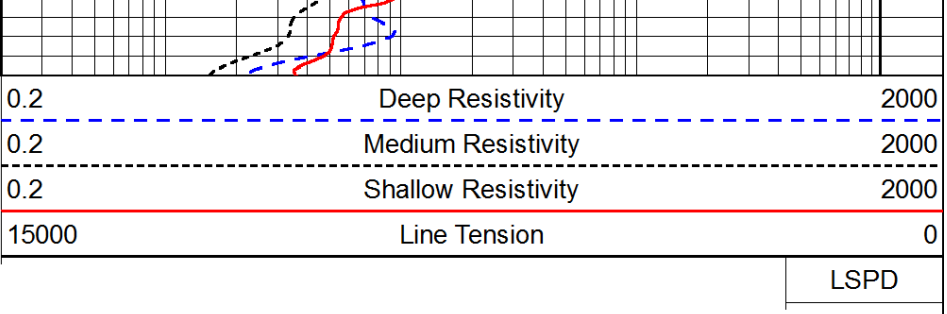
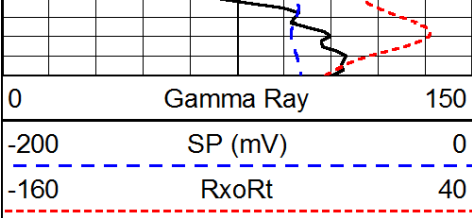




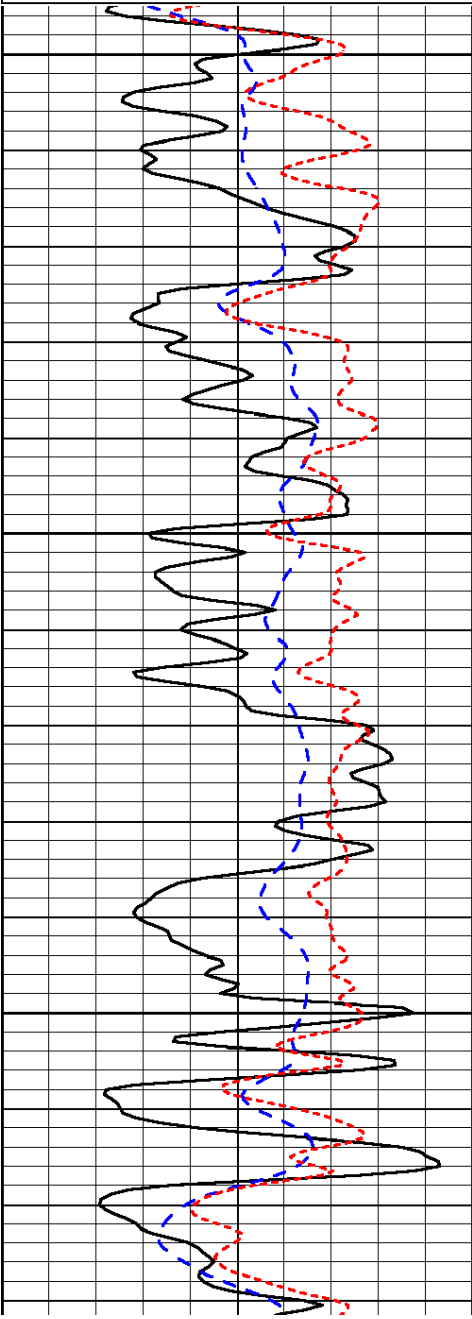
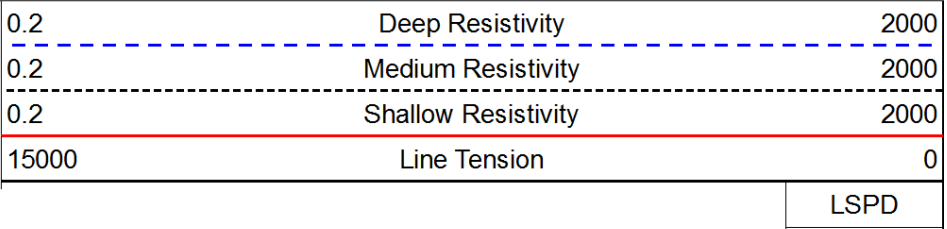
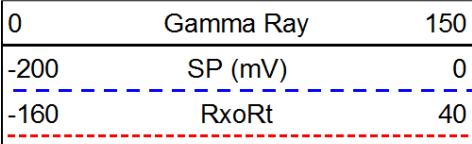




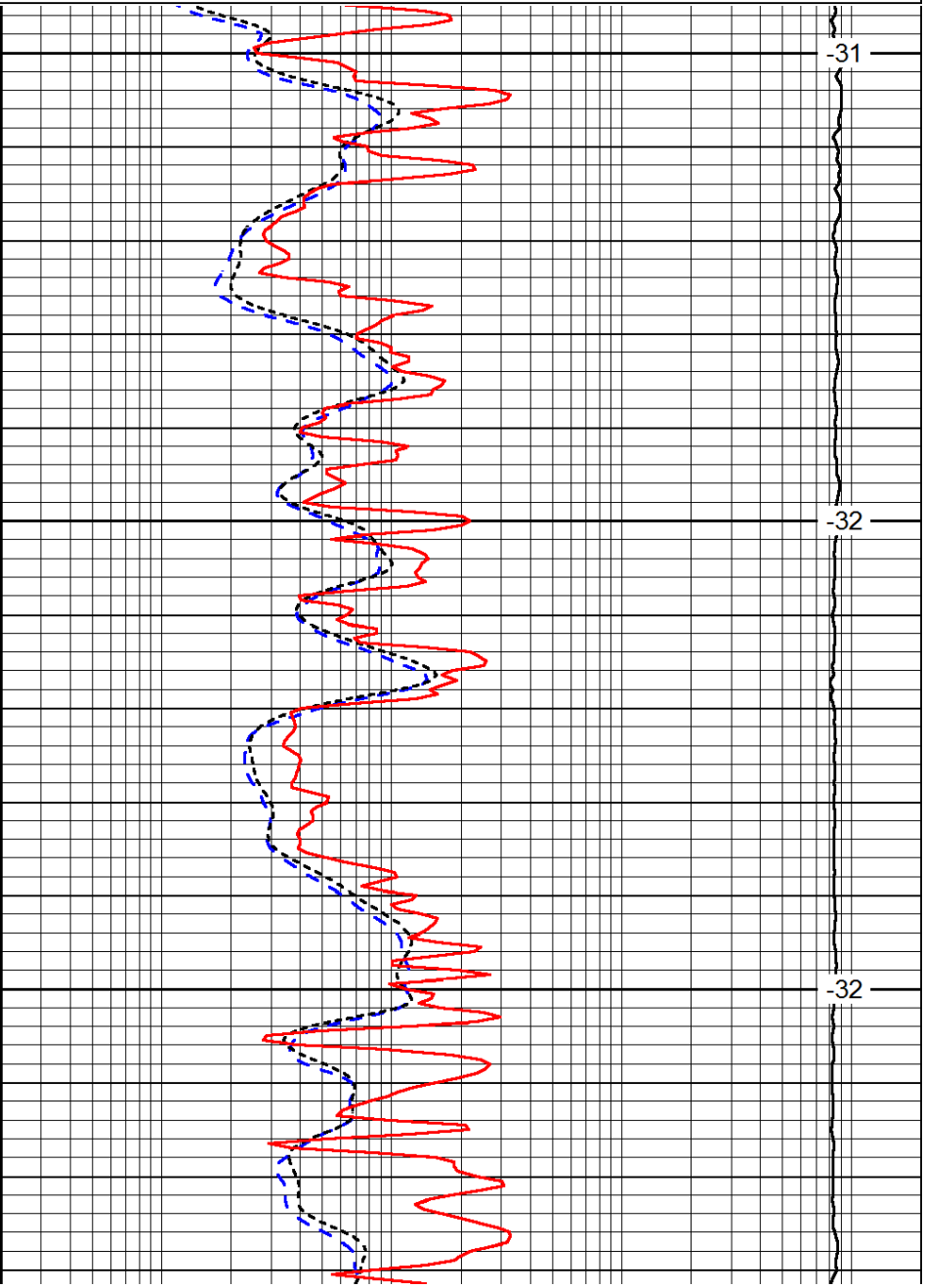




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Dataset Pathname: dil/culbstck
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3500



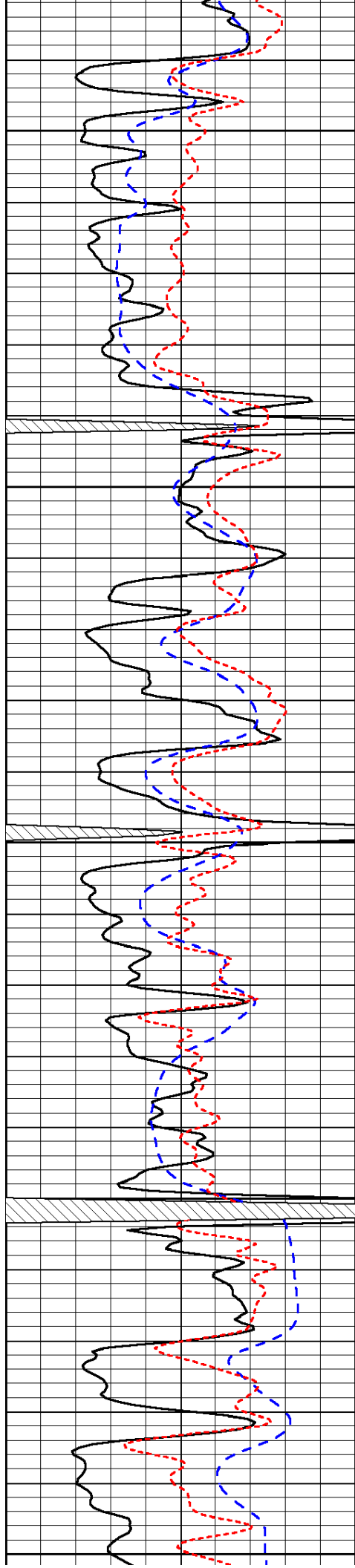
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3600

-31

-32

-32



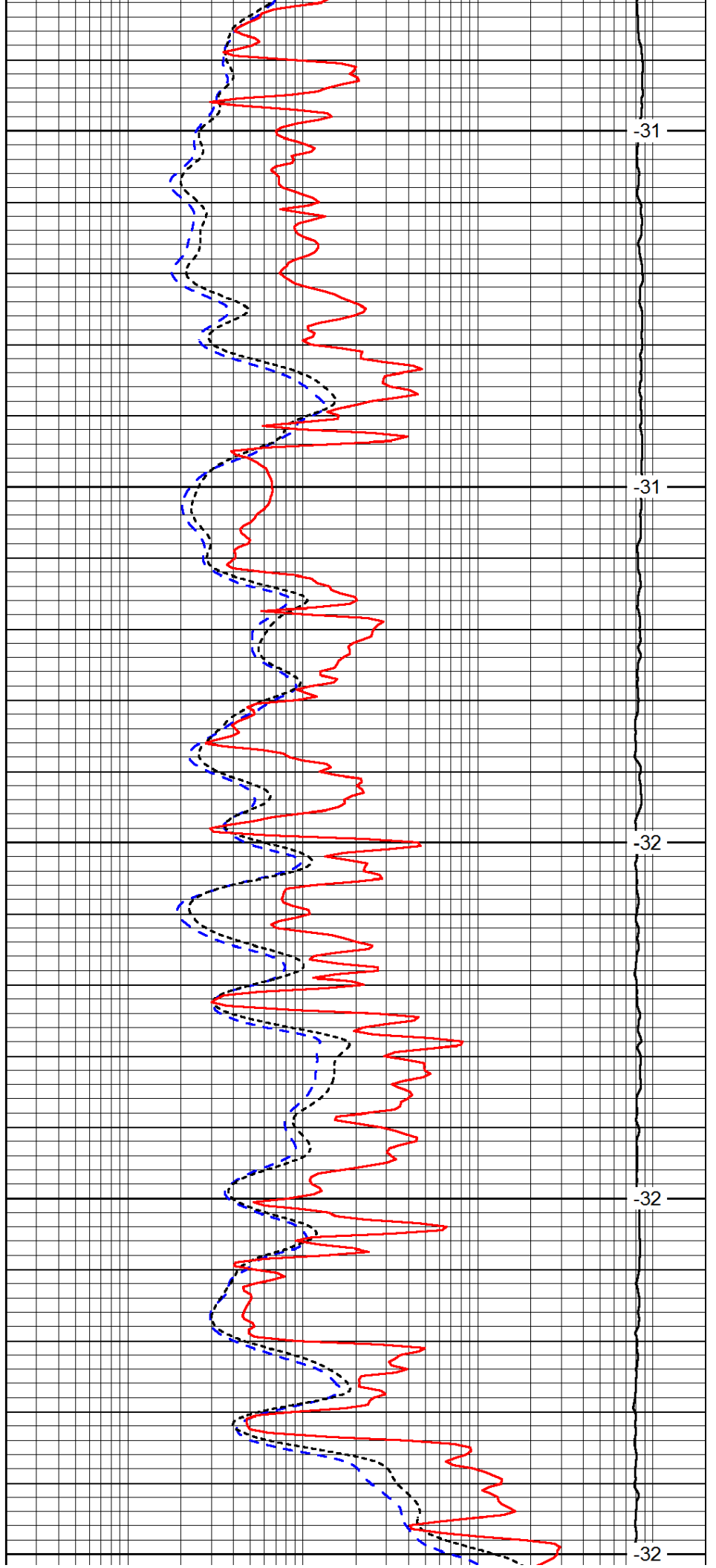
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3700

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3800

3850



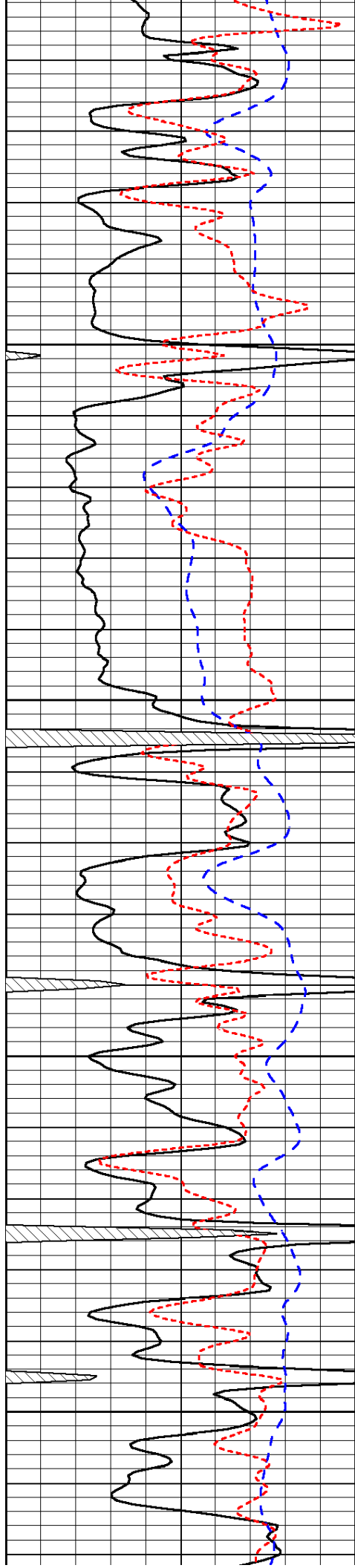
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-32

-32

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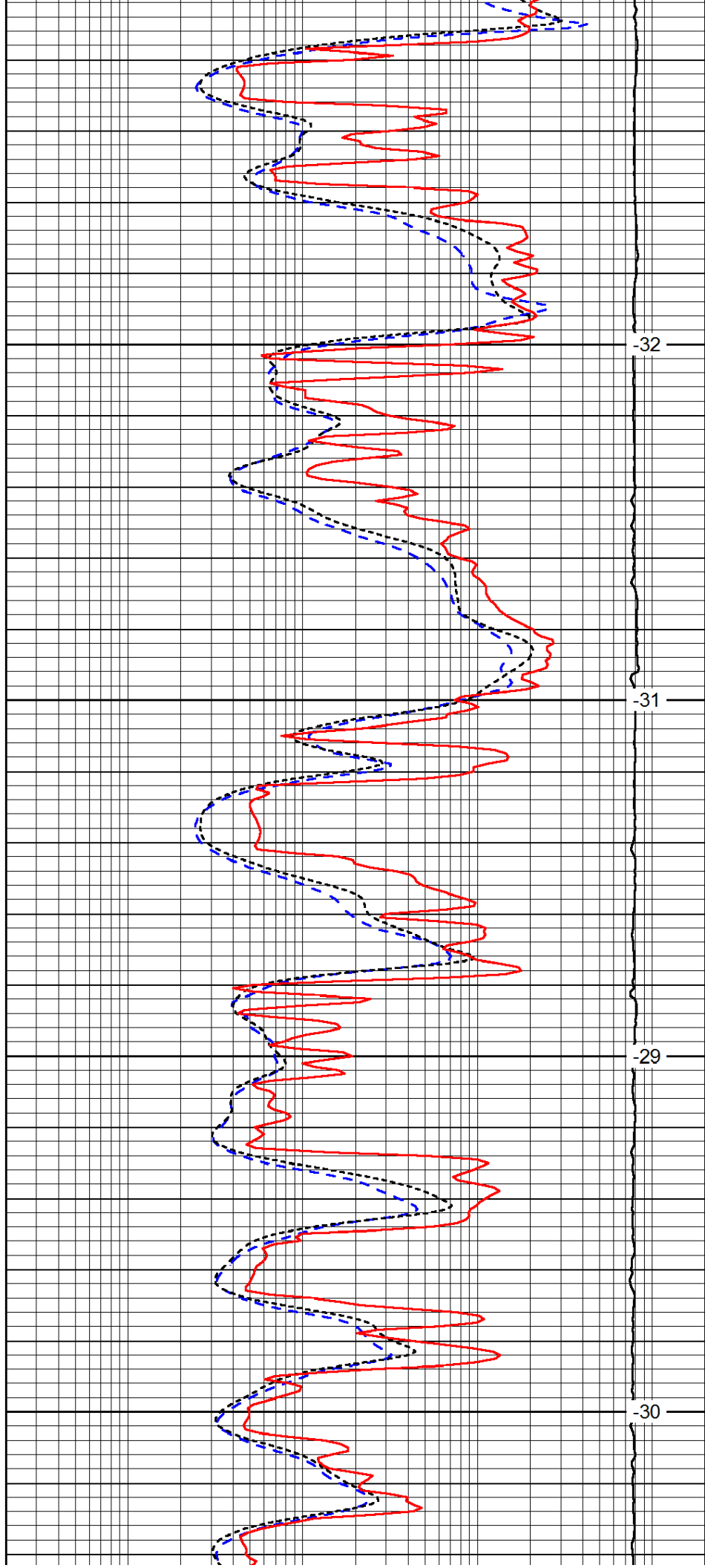


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3950

4000

4050

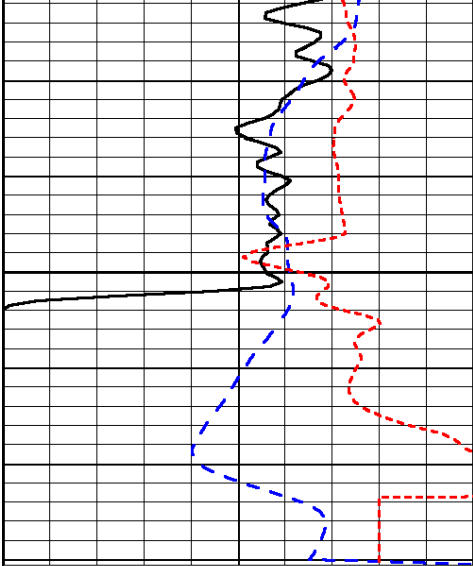


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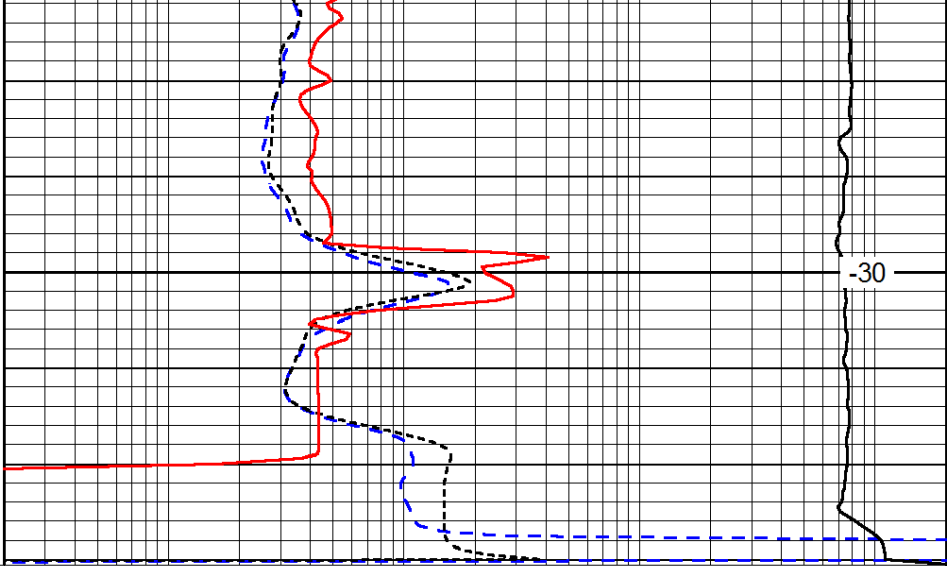
-29

-30



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

4100



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD