



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No. 15-065-23798-00-00

Company **Cobalt Energy, LLC**
 Well **Hobbs "A" #1-18**
 Field **Wildcat**
 County **Graham** State **Kansas**

Location **990' FNL & 1980' FEL**

Sec: **18** Twp: **10S** Rge: **24W**

Other Services
 CNL/CDL
 MEL

Permanent Datum	Ground Level	Elevation	2452
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	1/13/2012		
Run Number	One		
Depth Driller	4050		
Depth Logger	4049		
Bottom Logged Interval	4048		
Top Log Interval	200		
Casing Driller	8.625 @ 226		
Casing Logger	224		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2000		
Density / Viscosity	9.1 58		
pH / Fluid Loss	10.5 6.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.4 @ 60		
Rmf @ Meas. Temp	1.05 @ 60		
Rmc @ Meas. Temp	1.89 @ 60		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.72 @ 117		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	117		
Equipment Number	10		
Location	Hays		
Recorded By	D. Schmidt		J. Long
Witnessed By	Corey Baker		

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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 Log-Tech, Inc.
 (785) 625-3858
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 10 N, 6 W, 2 N,
 3 1/2 W,
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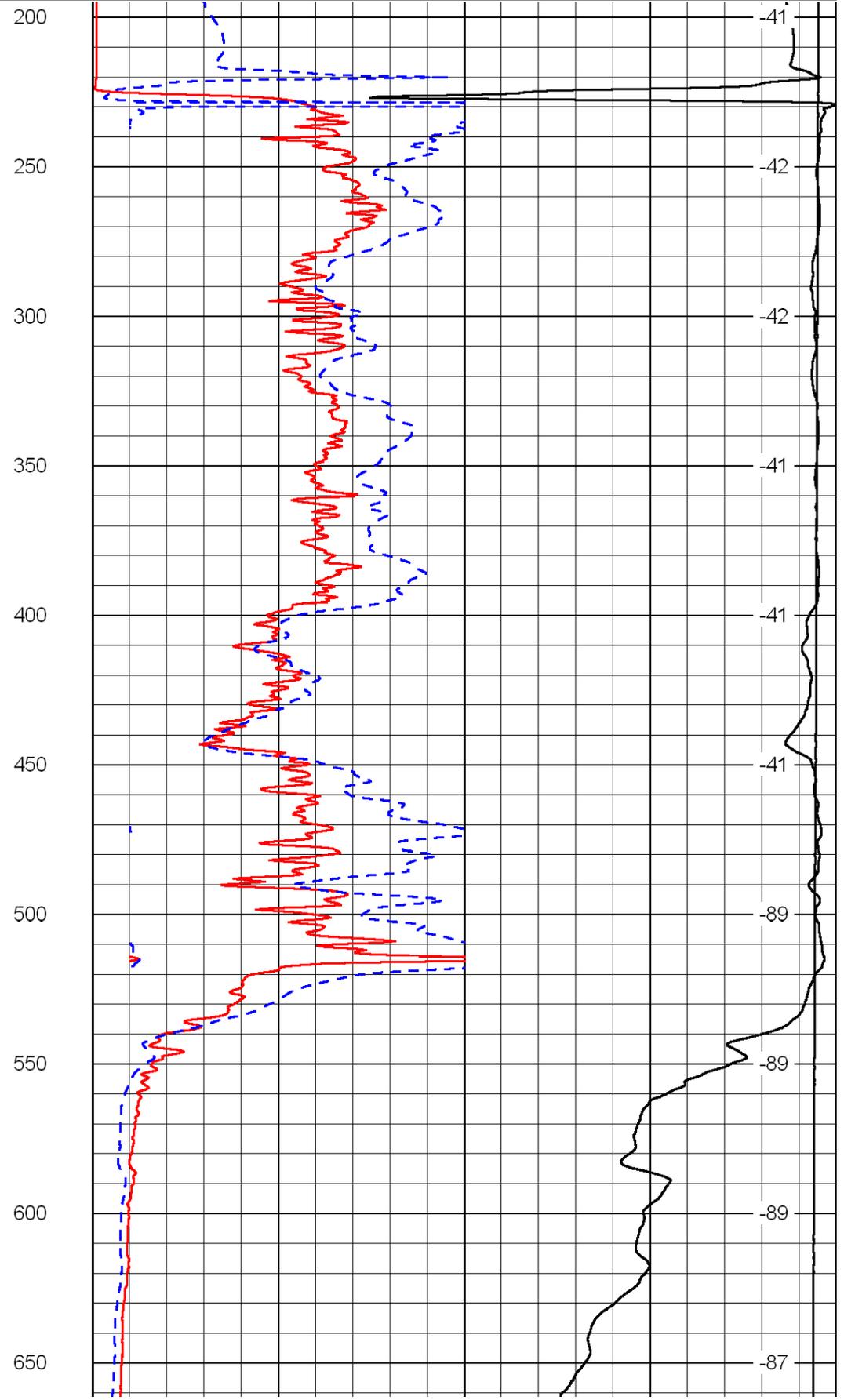
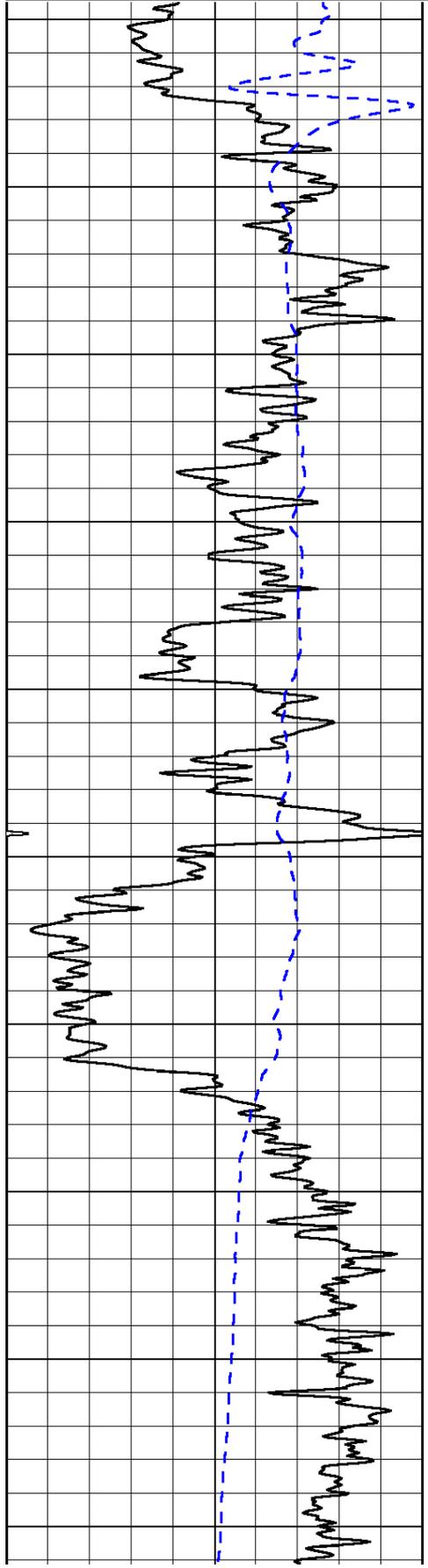
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-200	SP (mV)	0

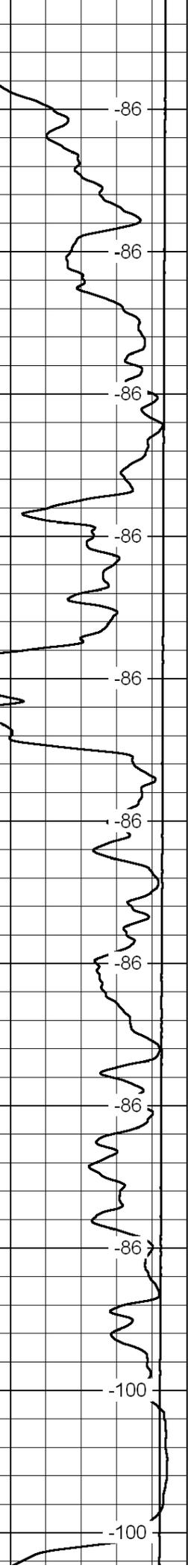
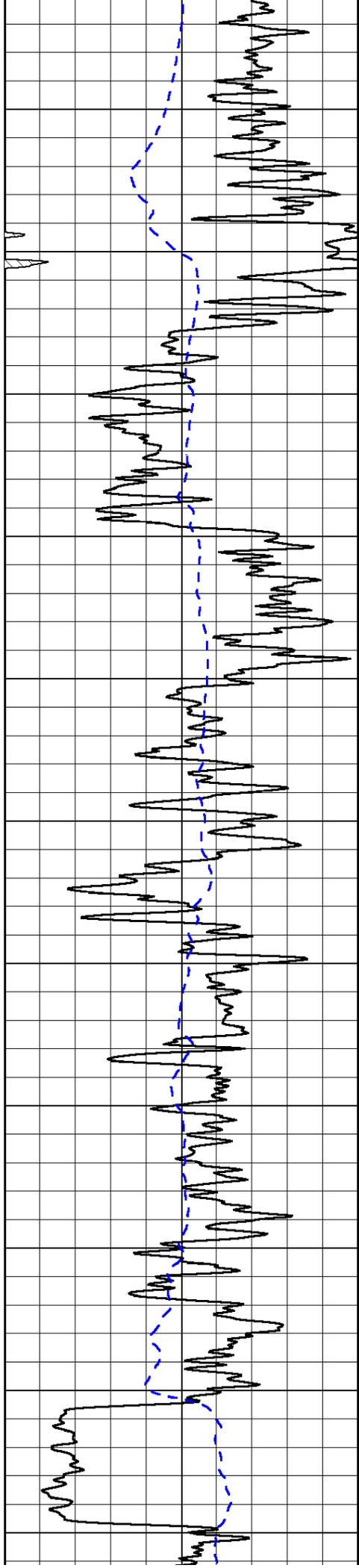
0	Shallow Resistivity	50
0	Deep Resistivity	50

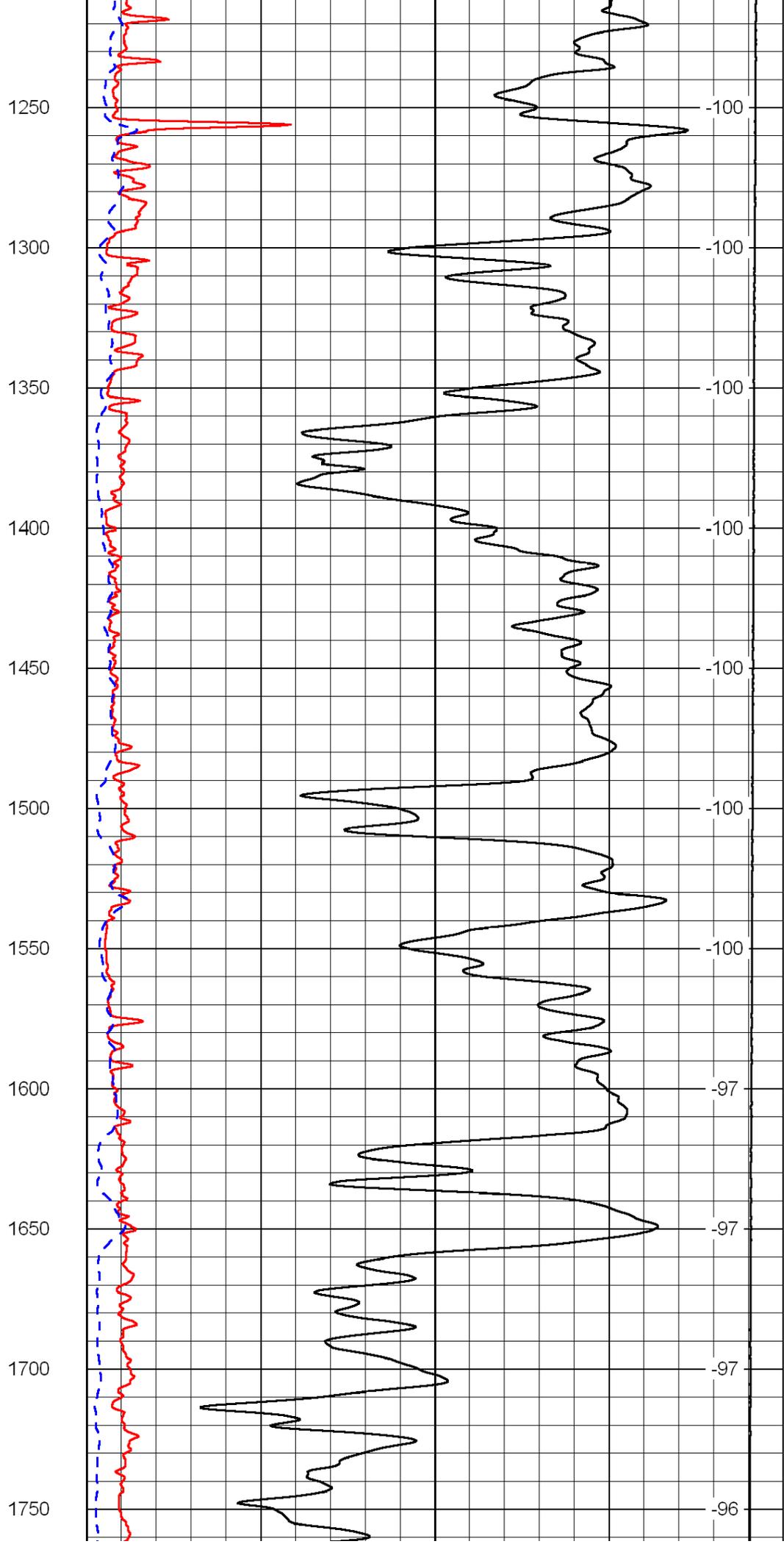
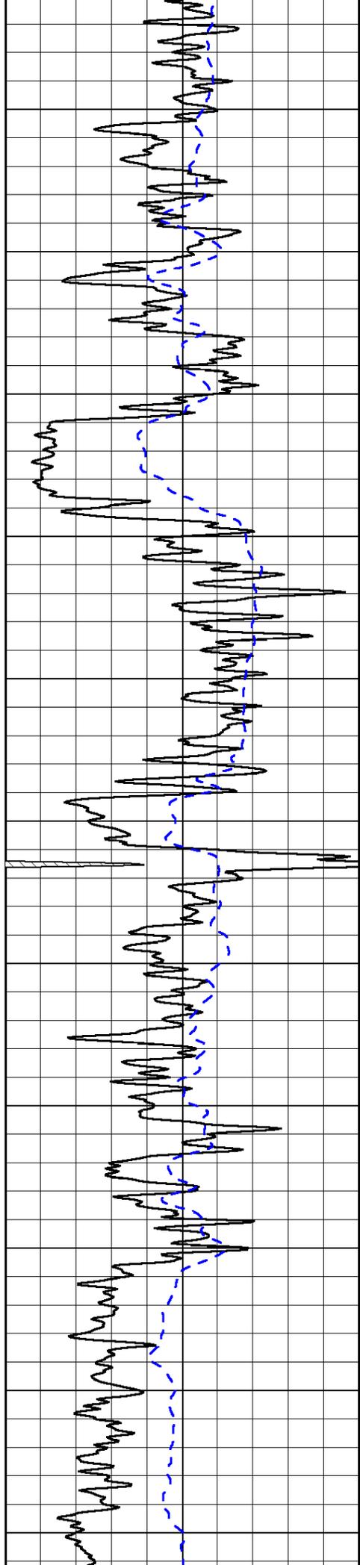
LSPD

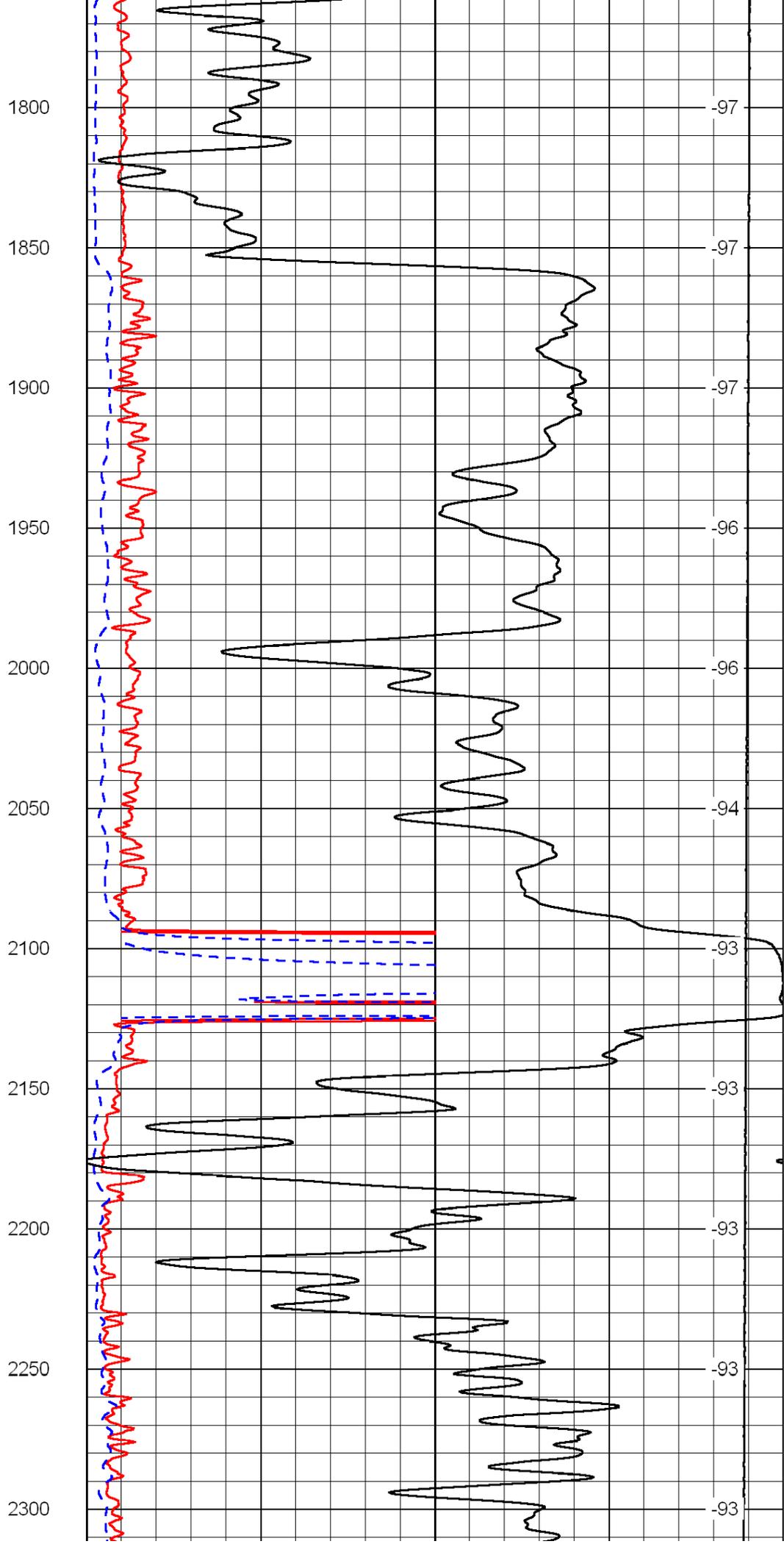
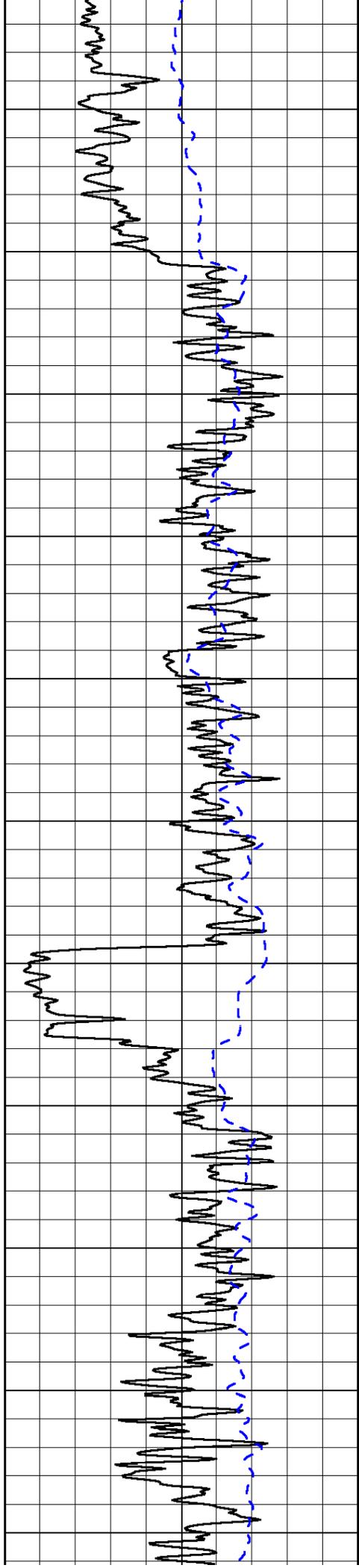
1000	Conductivity	0
15000	Line Tension	0

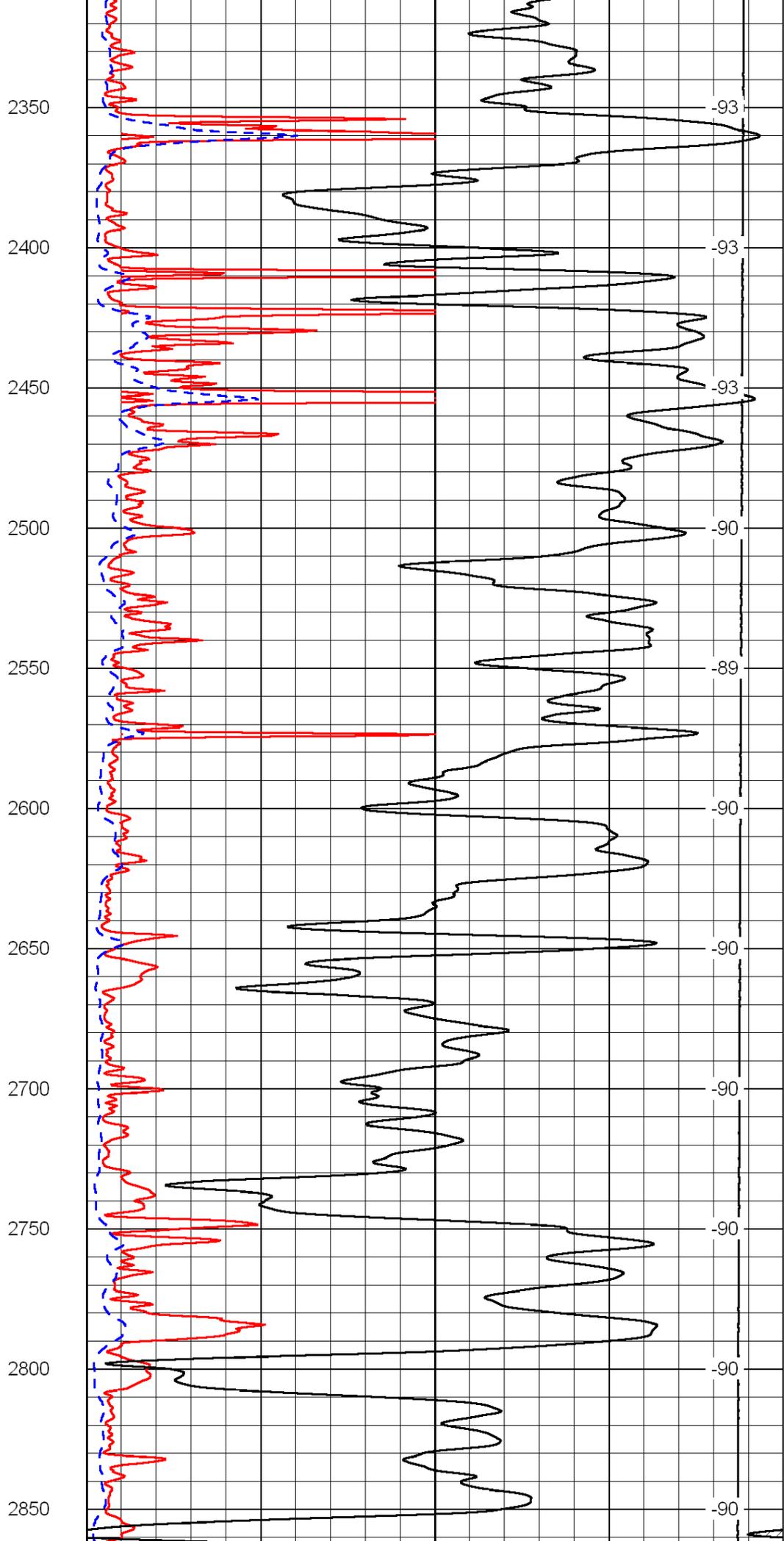
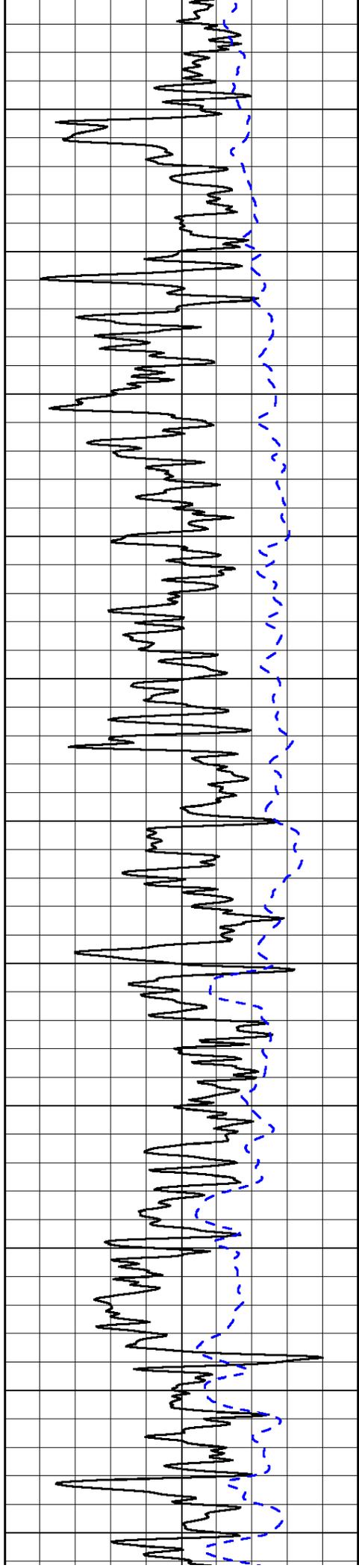
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50	Deep Resistivity	500

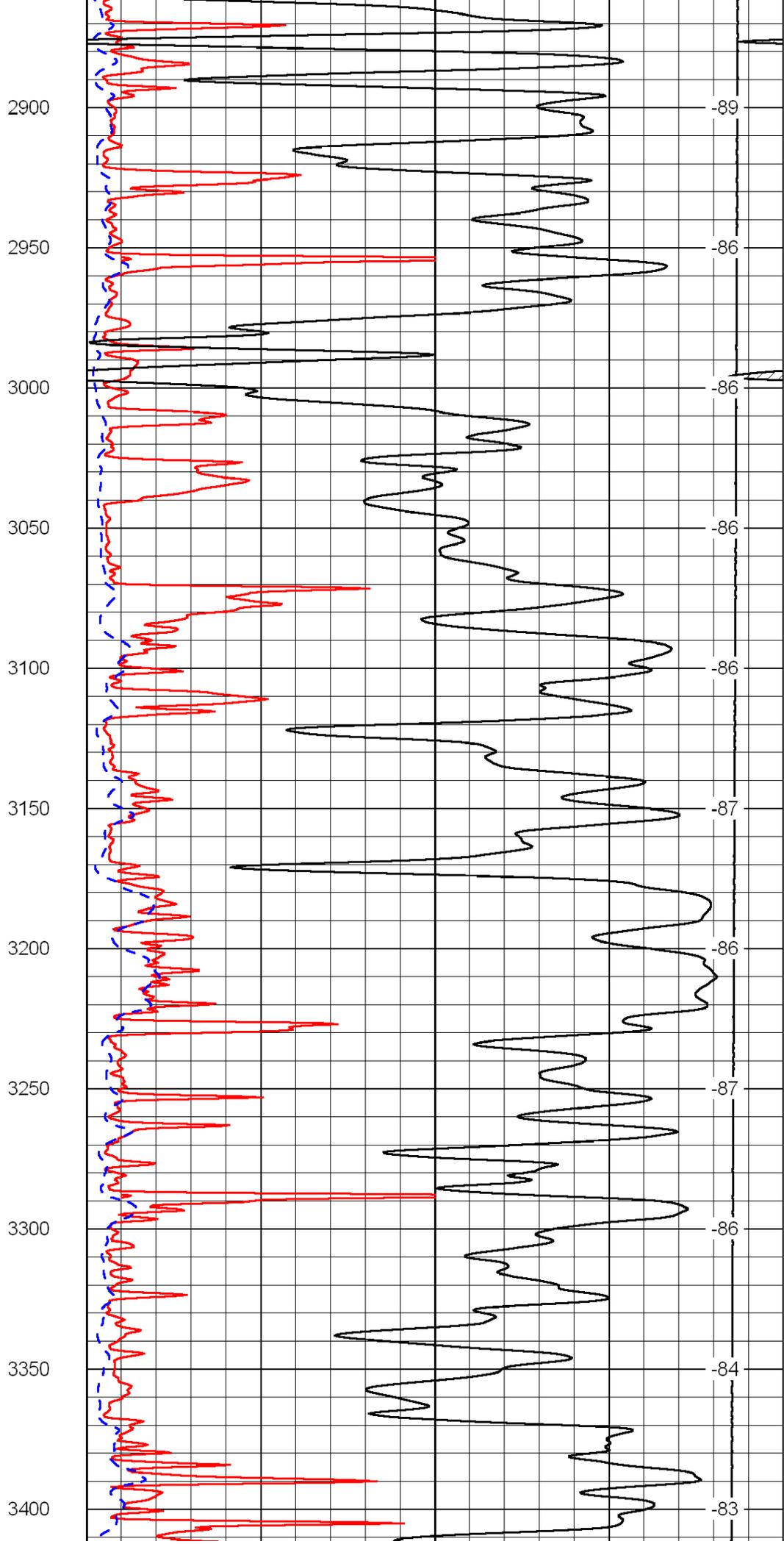
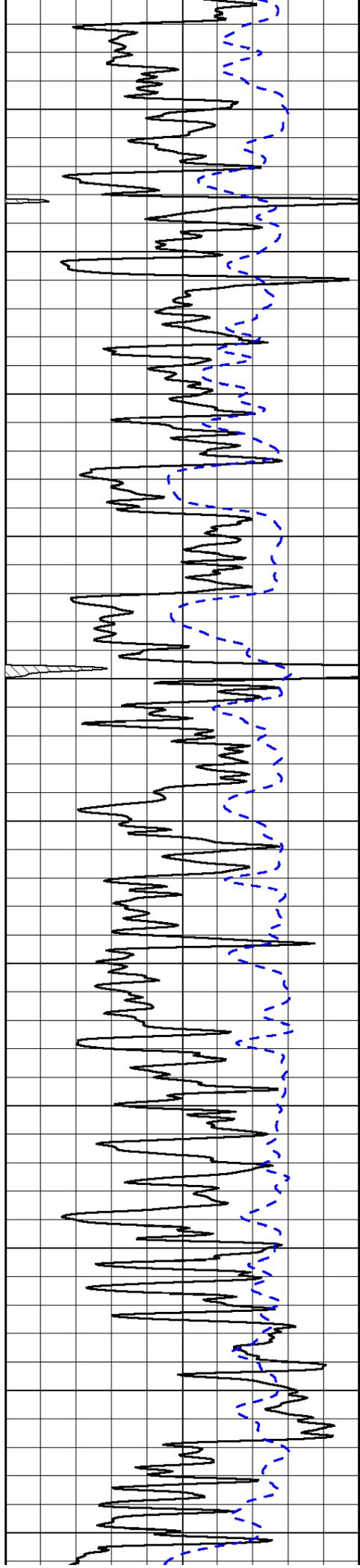


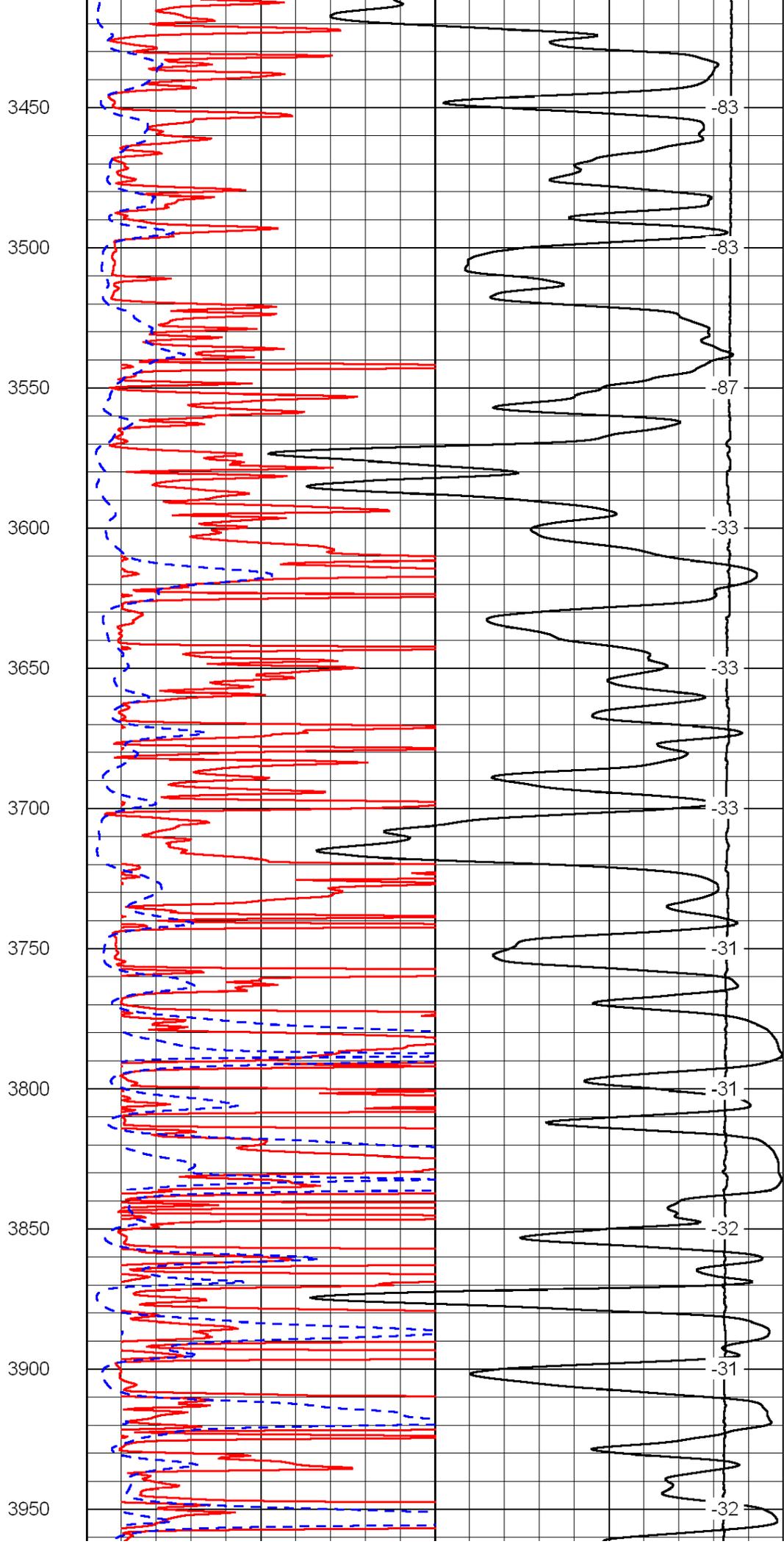
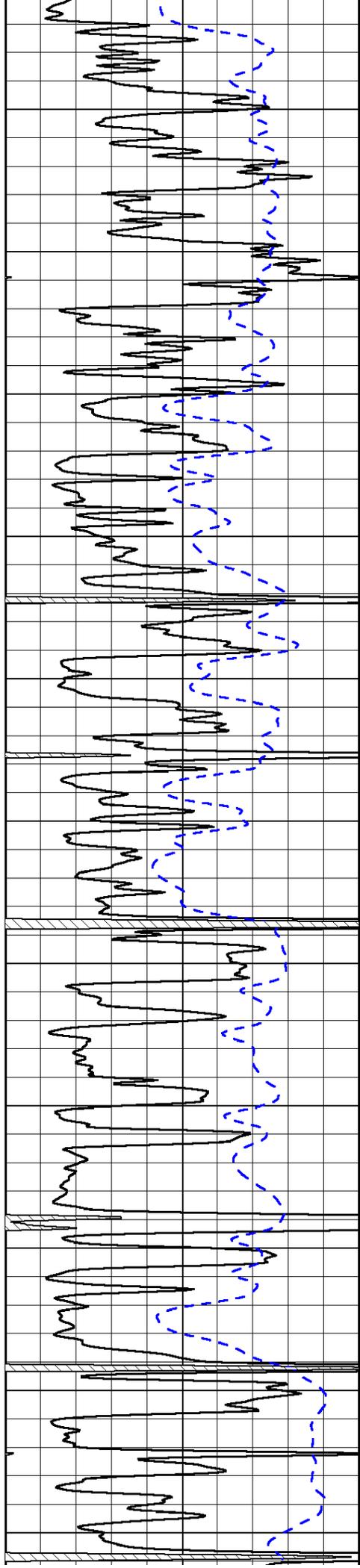


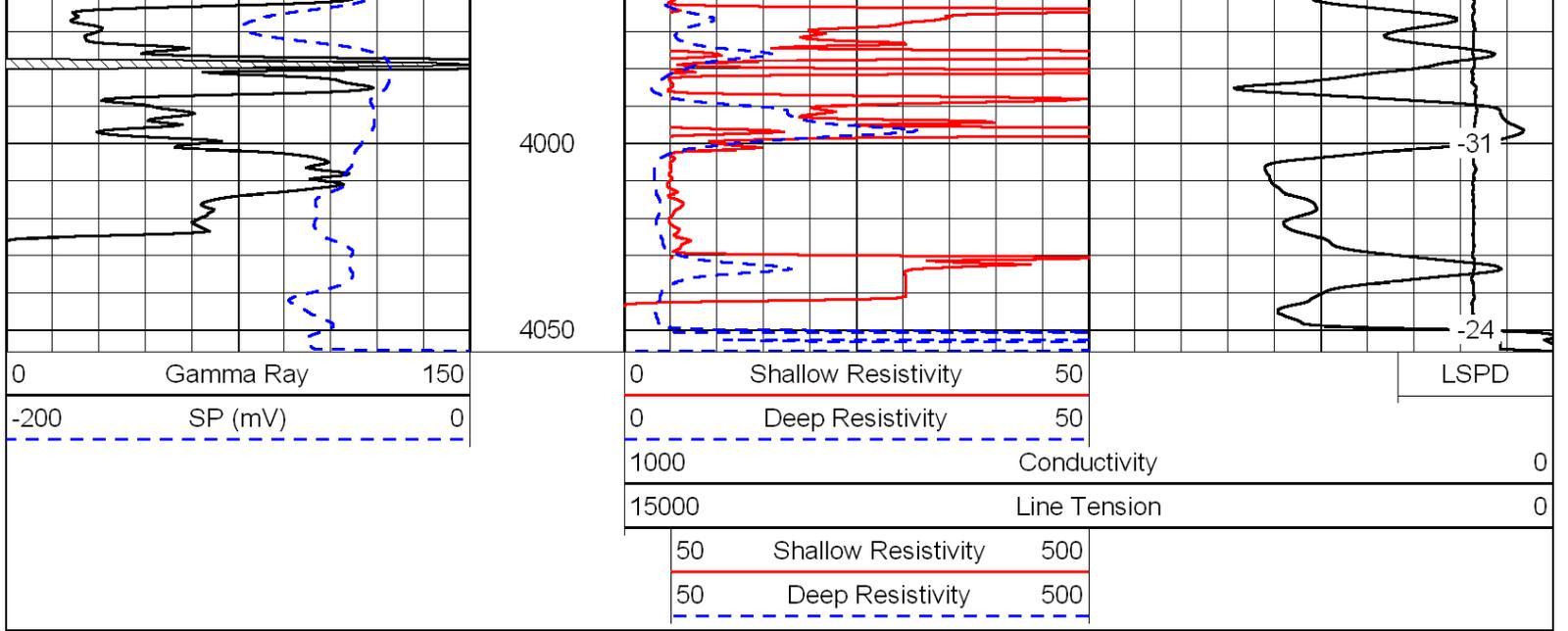




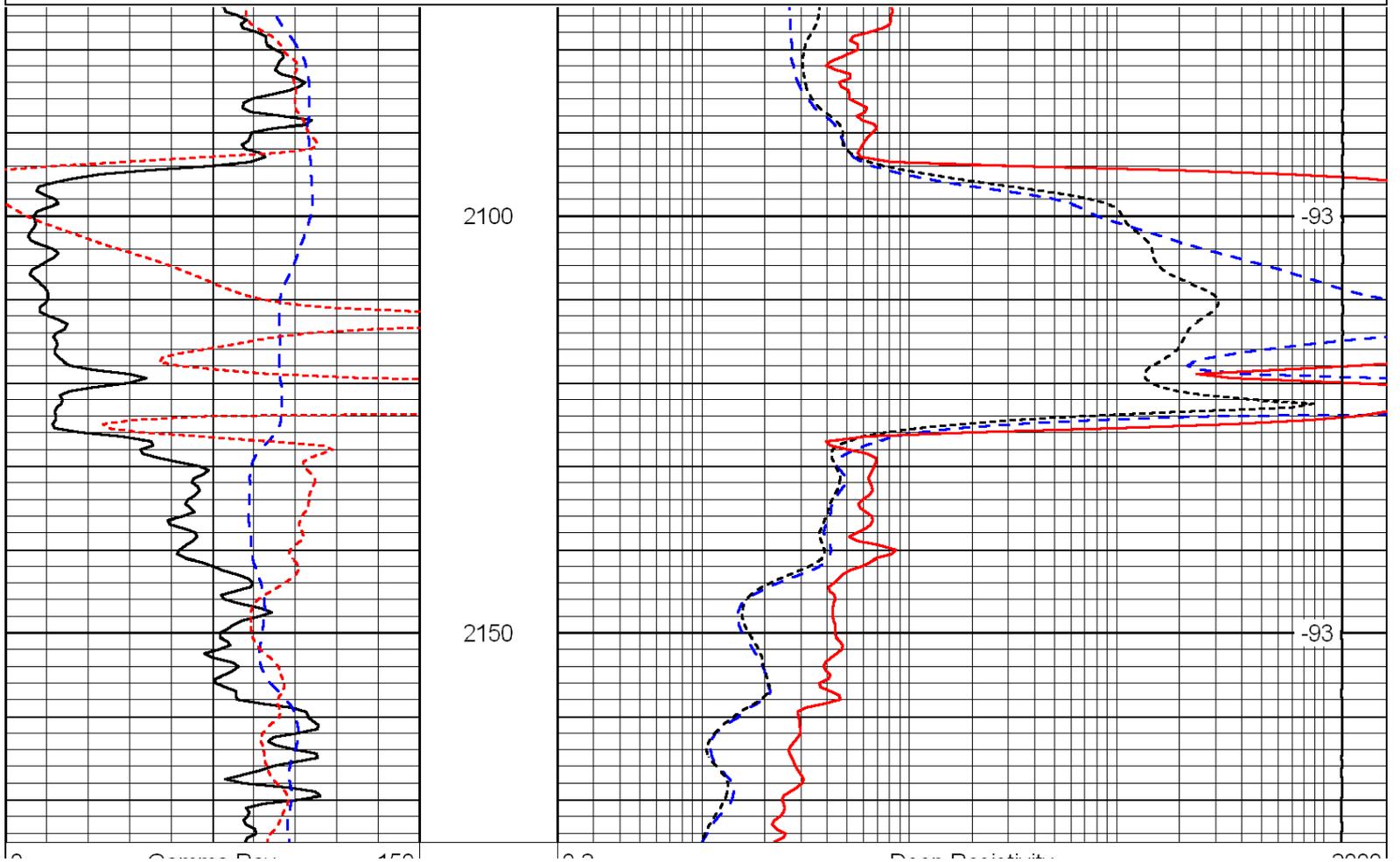
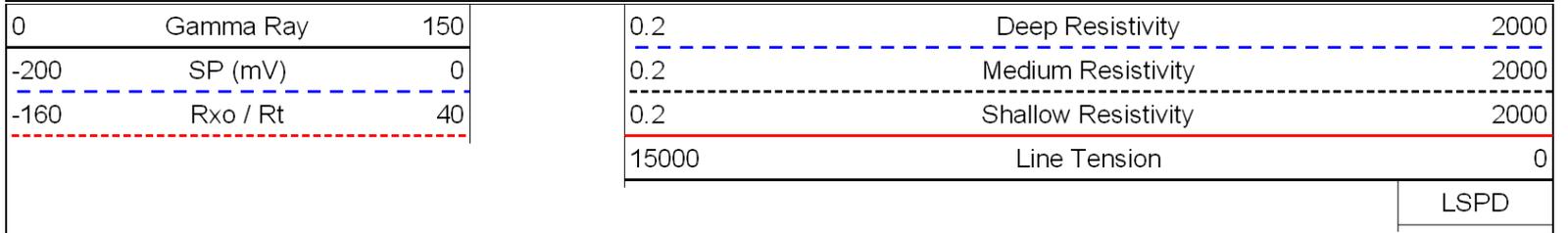








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 Dataset Pathname: dil/cobstck
 Presentation Format: dil
 Dataset Creation: Fri Jan 13 17:24:54 2012
 Charted by: Depth in Feet scaled 1:240



Gamma Ray	150	
-200	SP (mV)	0
-160	Rxo / Rt	40

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

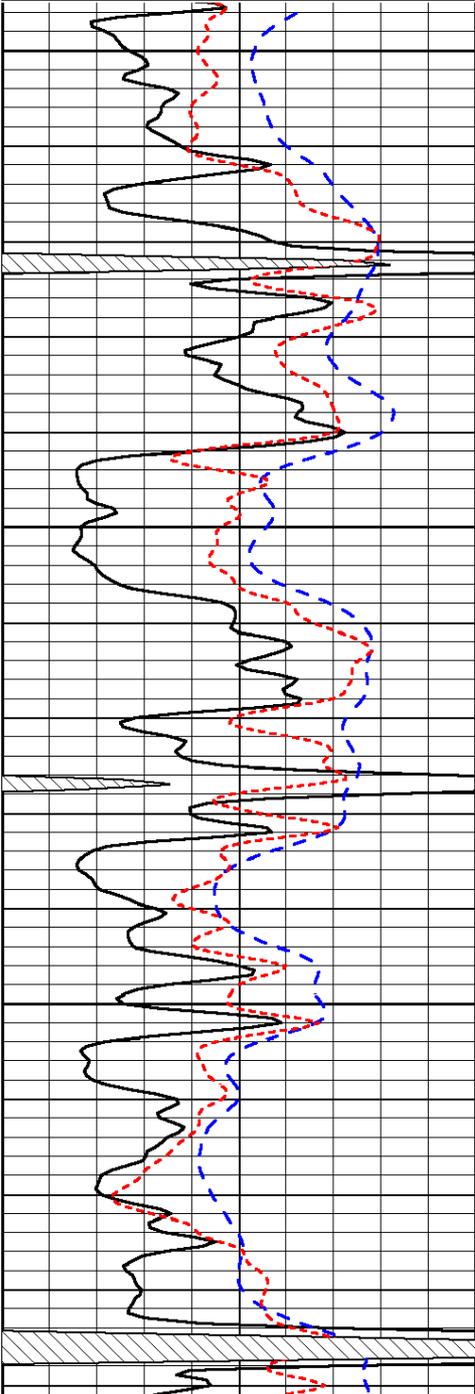
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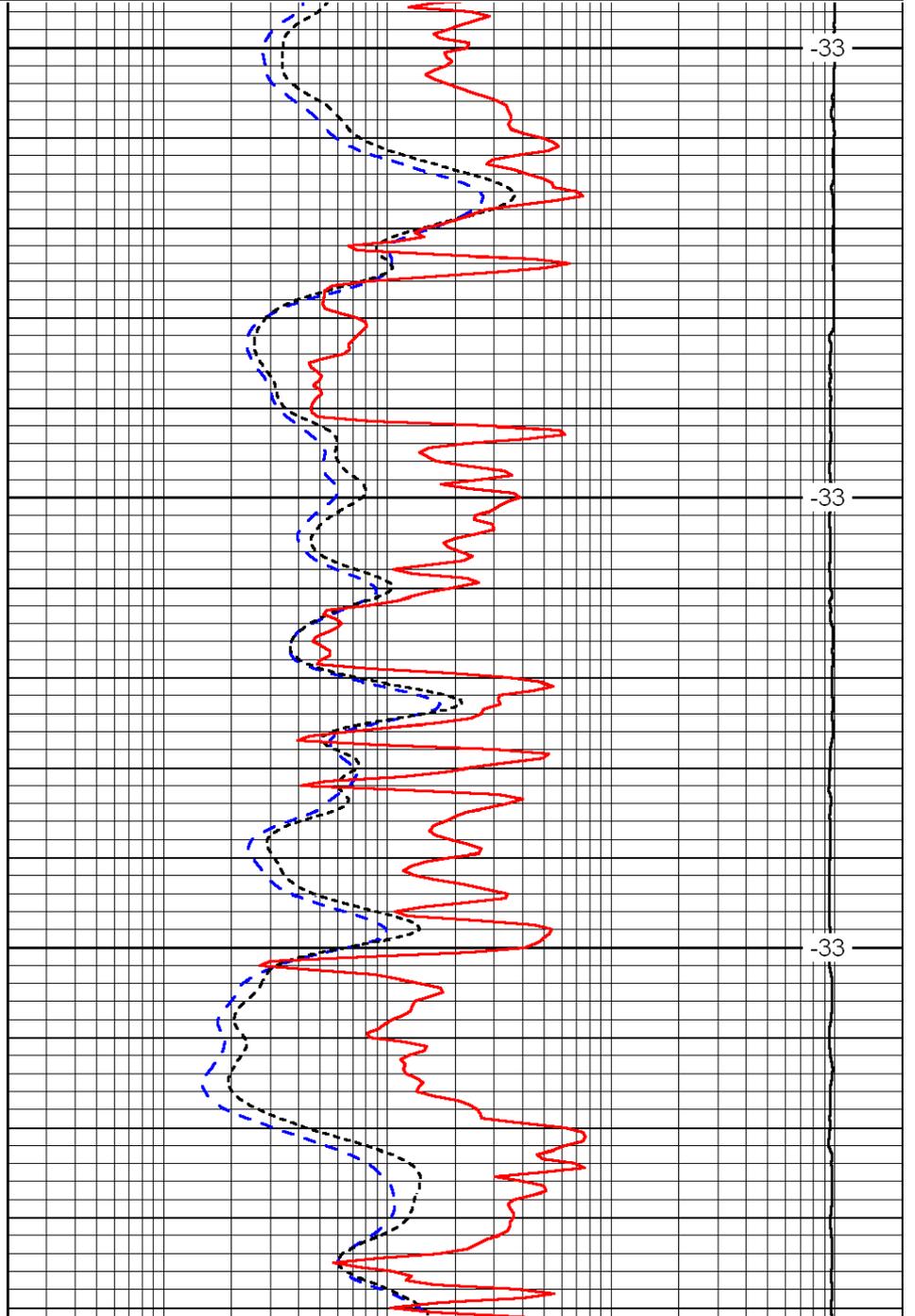
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3600

3650

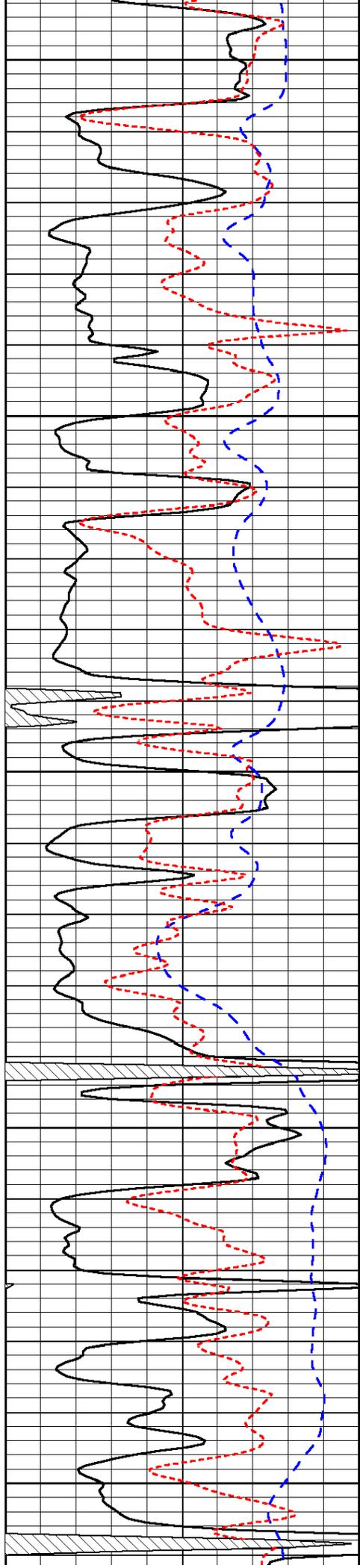
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-33

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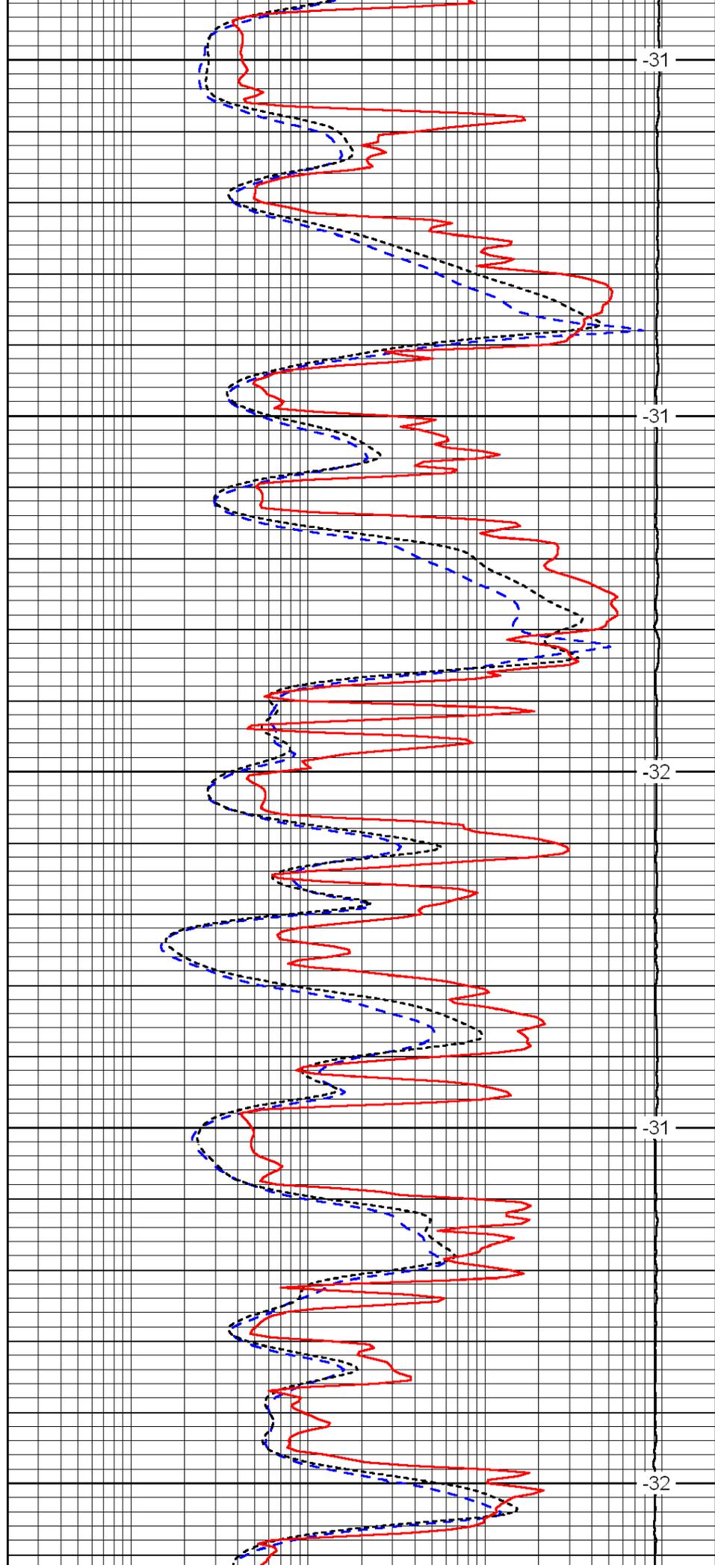
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3800

3850

3900

3950



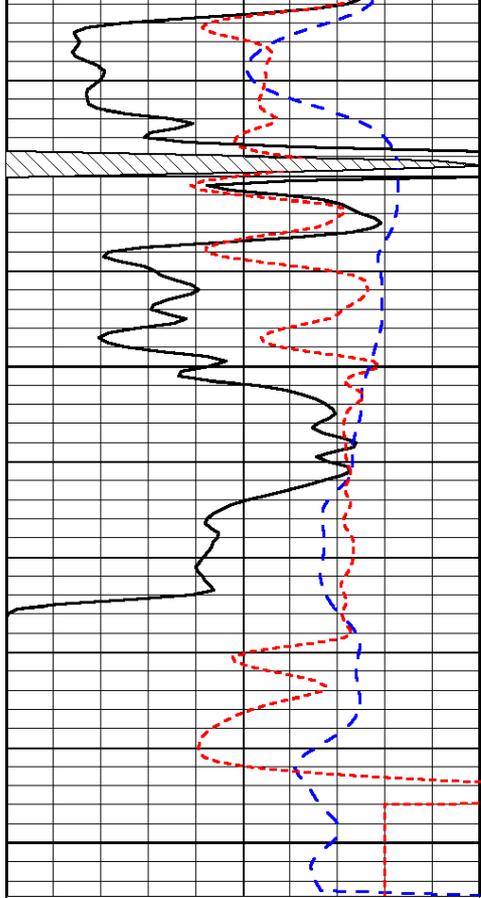
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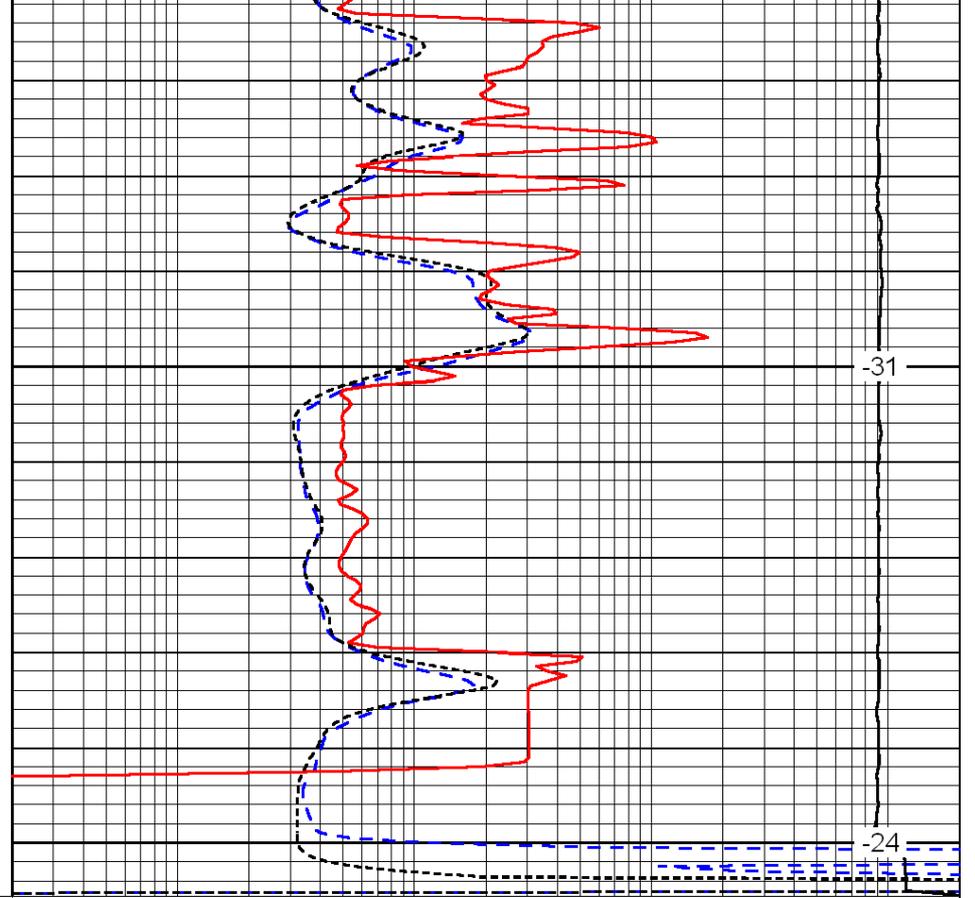
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-160	Rxo / Rt	40

4000

4050



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

-31

-24

LSPD