PIONEER

Pioneer Energy Services

Dual Induction Log

API No. 15-159-22793-00-00

Company American Warrior, Inc.

Well Jean #1-2

Field Geneseo-Edwards

County Rice State Kansas

Location NE SW SE SW
338' FSL / 1765' FWL
Sec: 2 Twp: 18S Rge: 8W

Other Services
CNL/CDL
MEL/BHCS

Elevation
K.B. 1784
D.F.
G.L. 1776

Permanent Datum	Ground Level	Elevation 1776			
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum			
Drilling Measured From	Kelly Bushing				
Date	8/29/2014				
Run Number	One				
Depth Driller	3365				
Depth Logger	3366				
Bottom Logged Interval	3365				
Top Log Interval	350				
Casing Driller	8.625 @ 413				
Casing Logger	404				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity,ppm CL	4200				
Density / Viscosity	8.9	49			
pH / Fluid Loss	10.5	9.2			
Source of Sample	Flowline				
Rm @ Meas. Temp	0.50 @ 70				
Rmf @ Meas. Temp	0.38 @ 70				
Rmc @ Meas. Temp	0.68 @ 70				
Source of Rmf / Rmc	Charts				
Rm @ BHT	0.32 @ 110				
Operating Rig Time	5 Hours				
Max. Rec. Temp. F	110				
Equipment Number	108				
Location	Hays				
Recorded By	R. Barnhart				
Witnessed By	Jim Musgrove				

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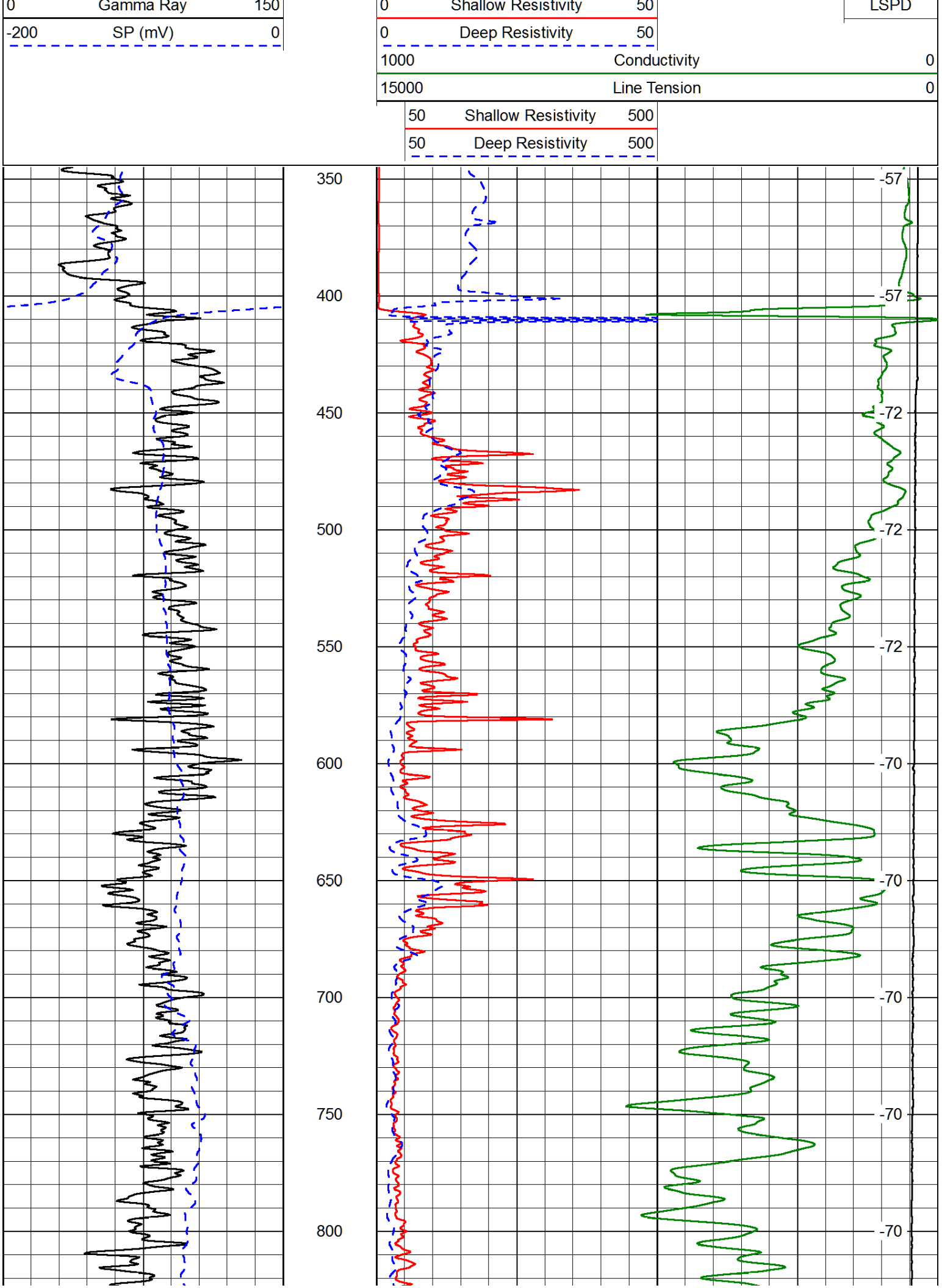
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

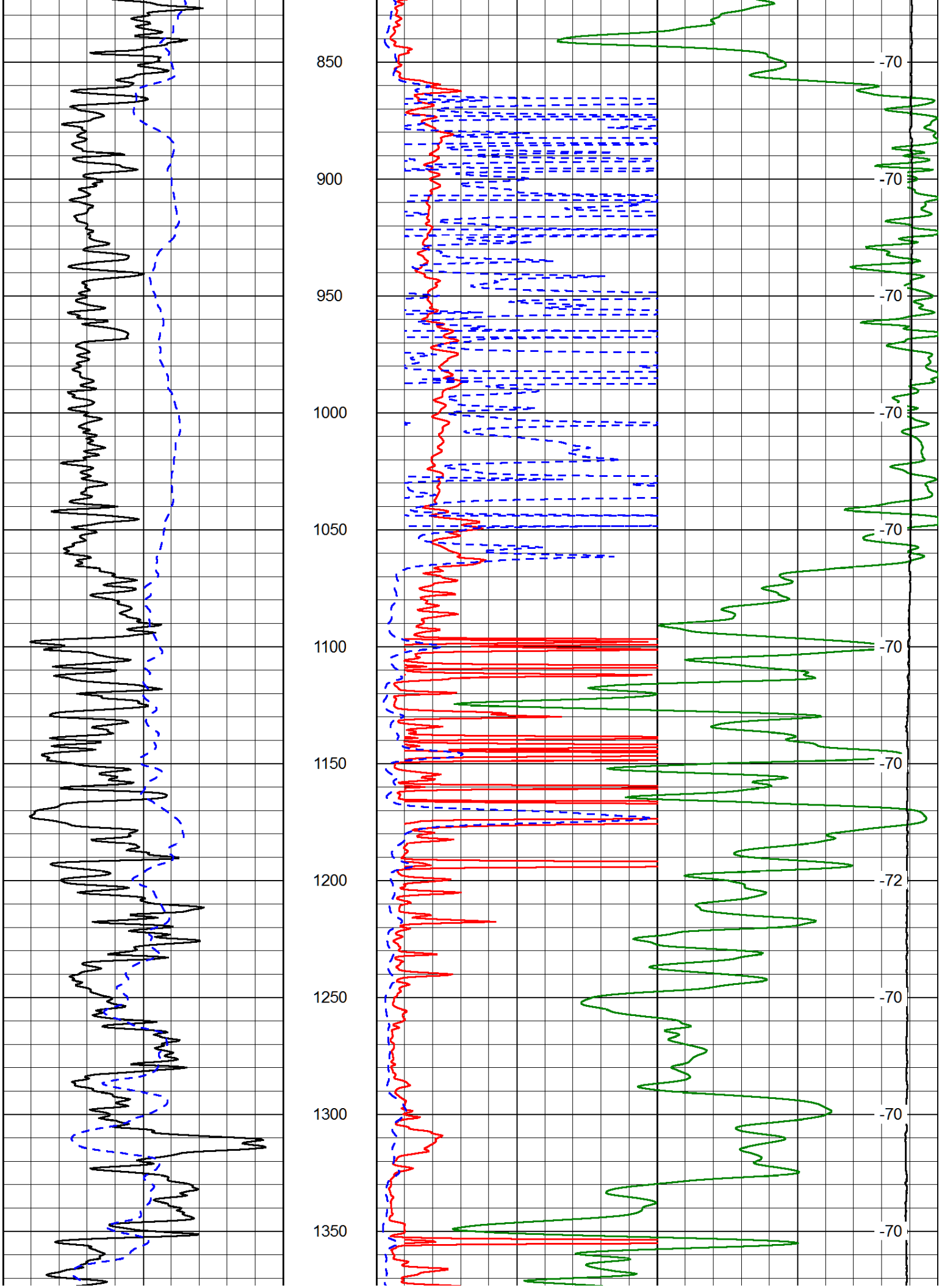
Comments

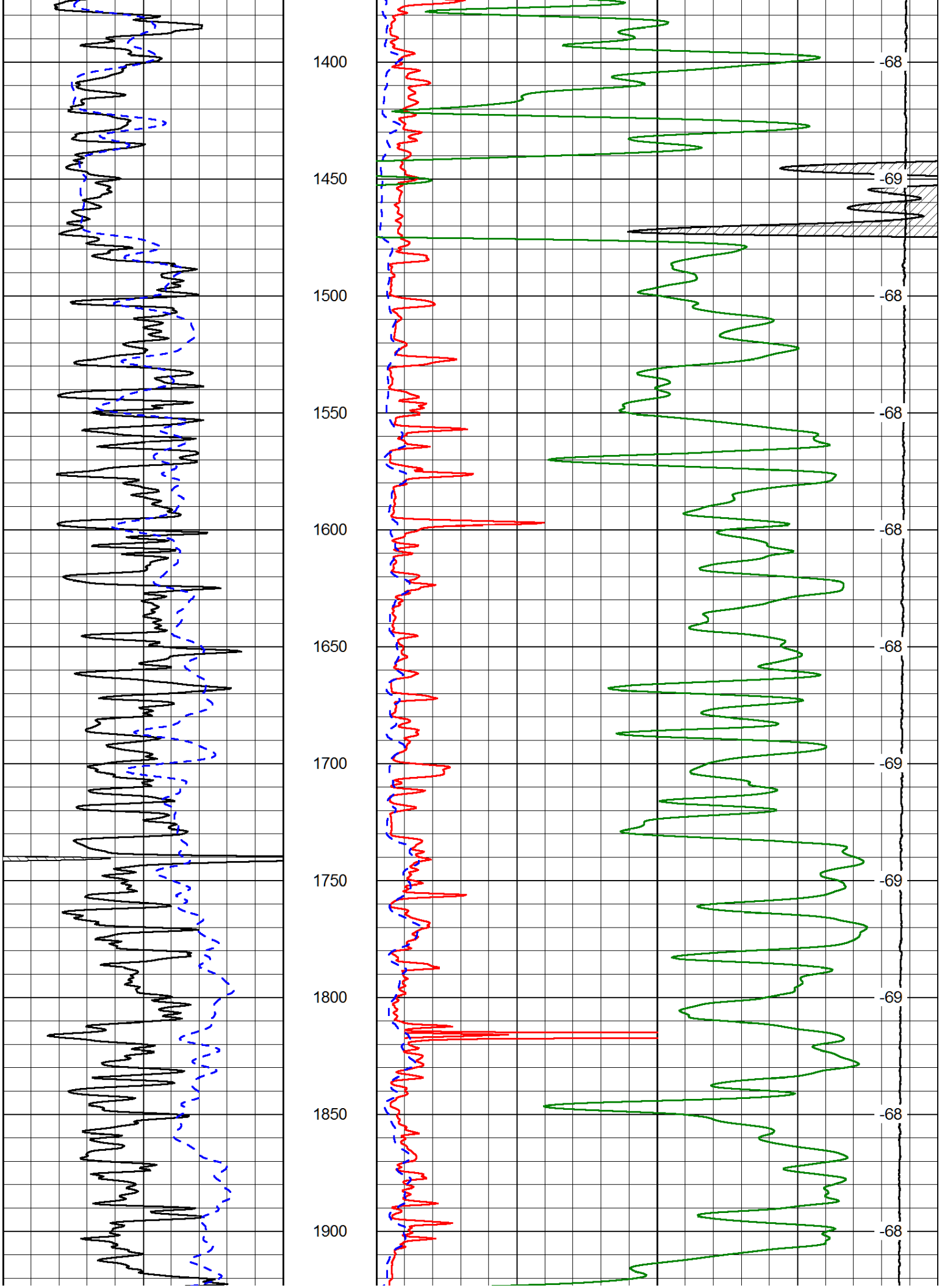
Thank you for using Log-Tech, Inc.
(785) 625-3858

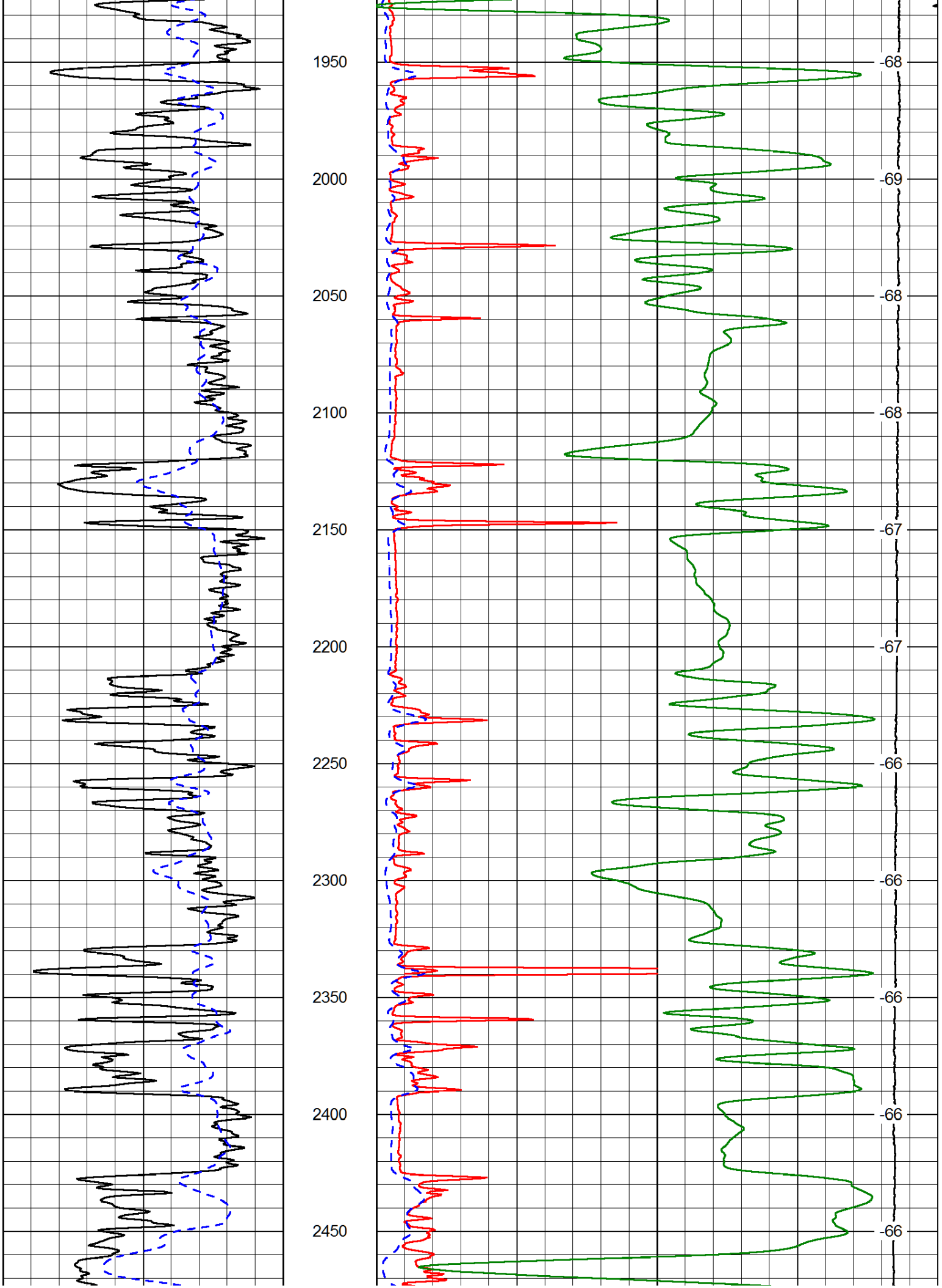
Geneseo, KS:
Hwy 4 & 14: 1/2S, 1 1/2E, N into

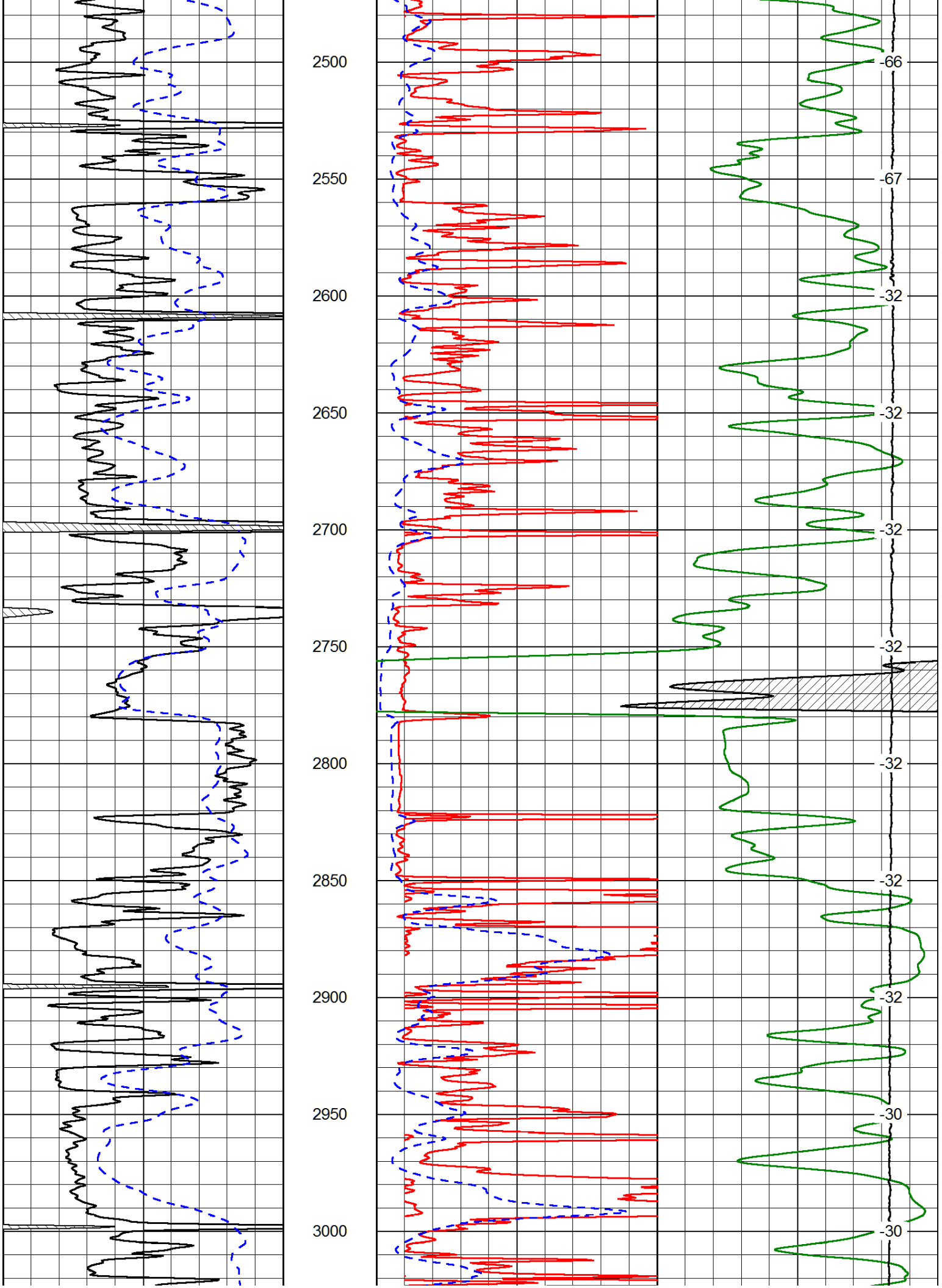
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Charted by:	Depth in Feet scaled 1:600

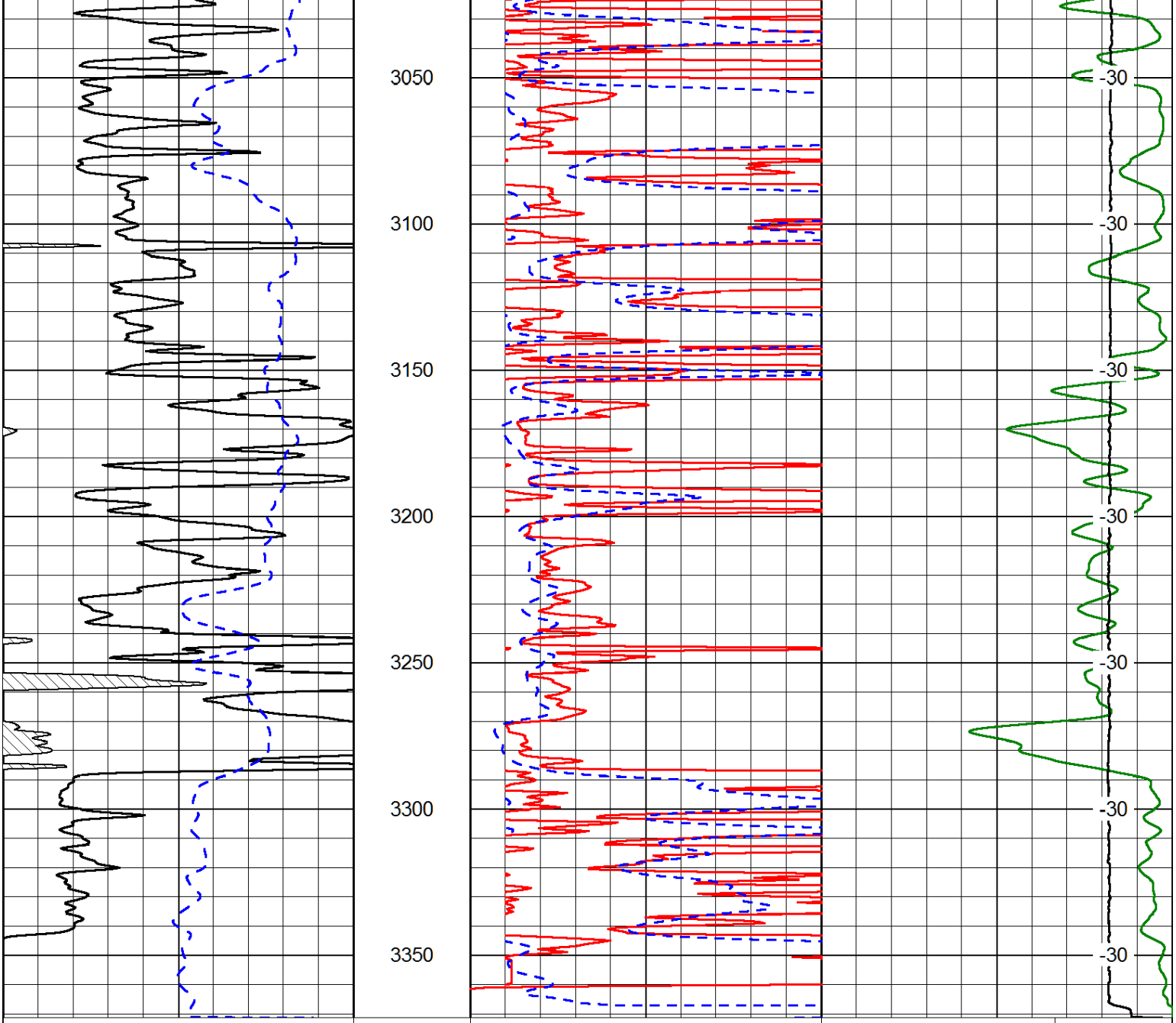

0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
350
400
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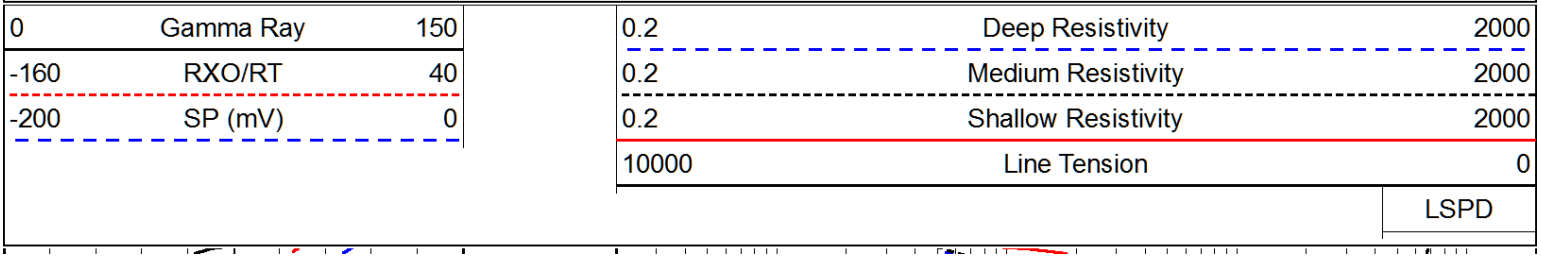

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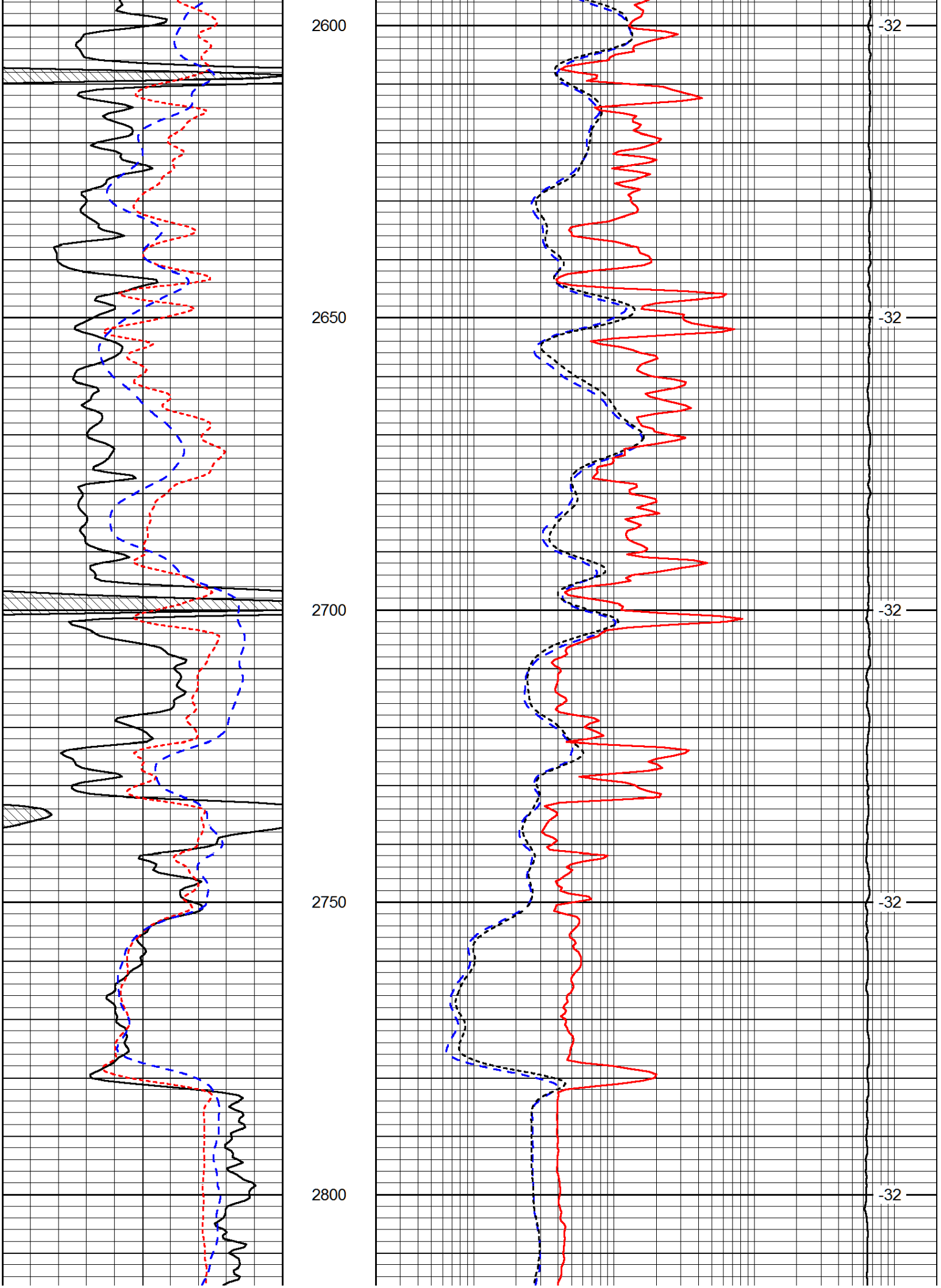

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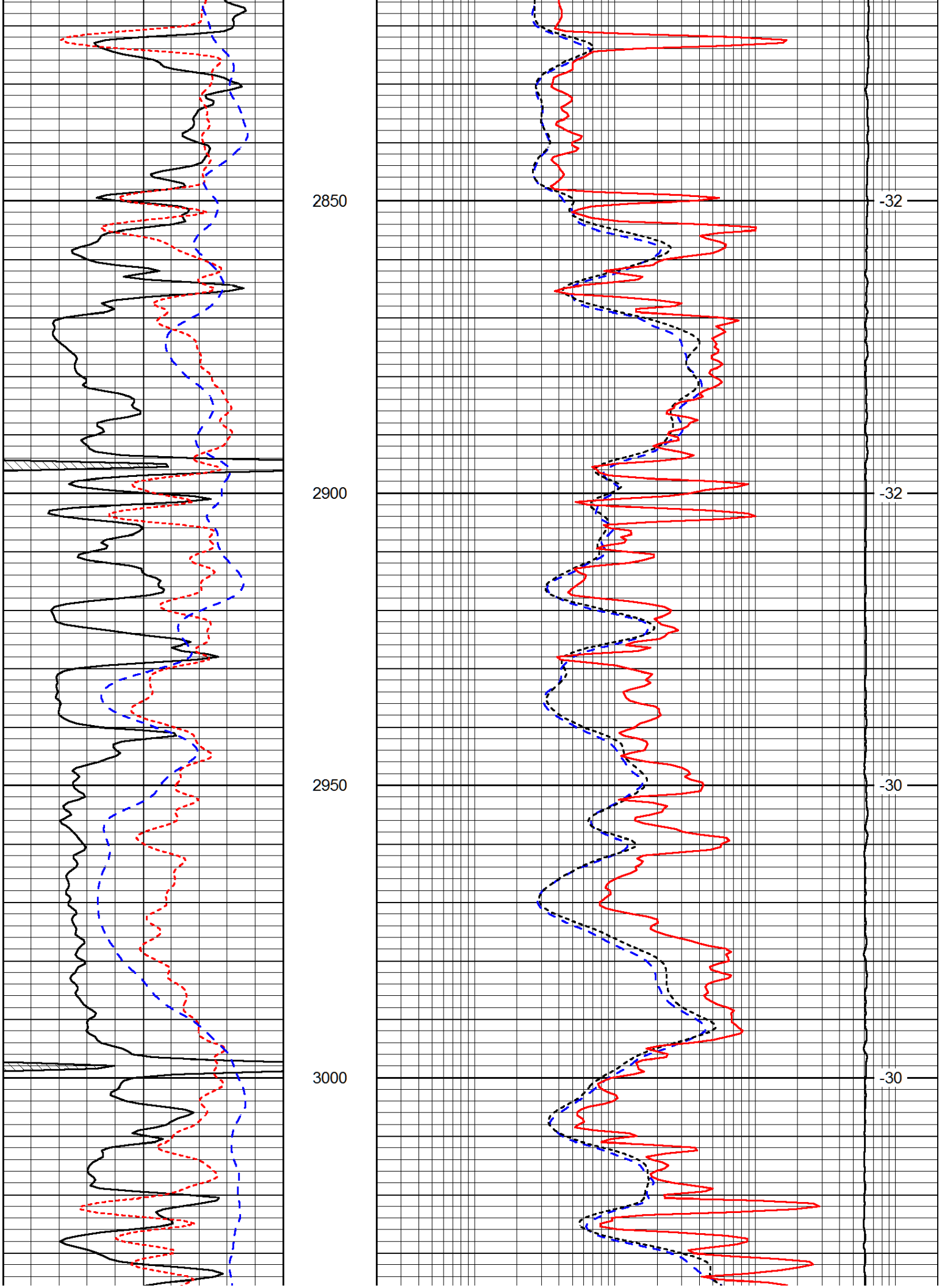

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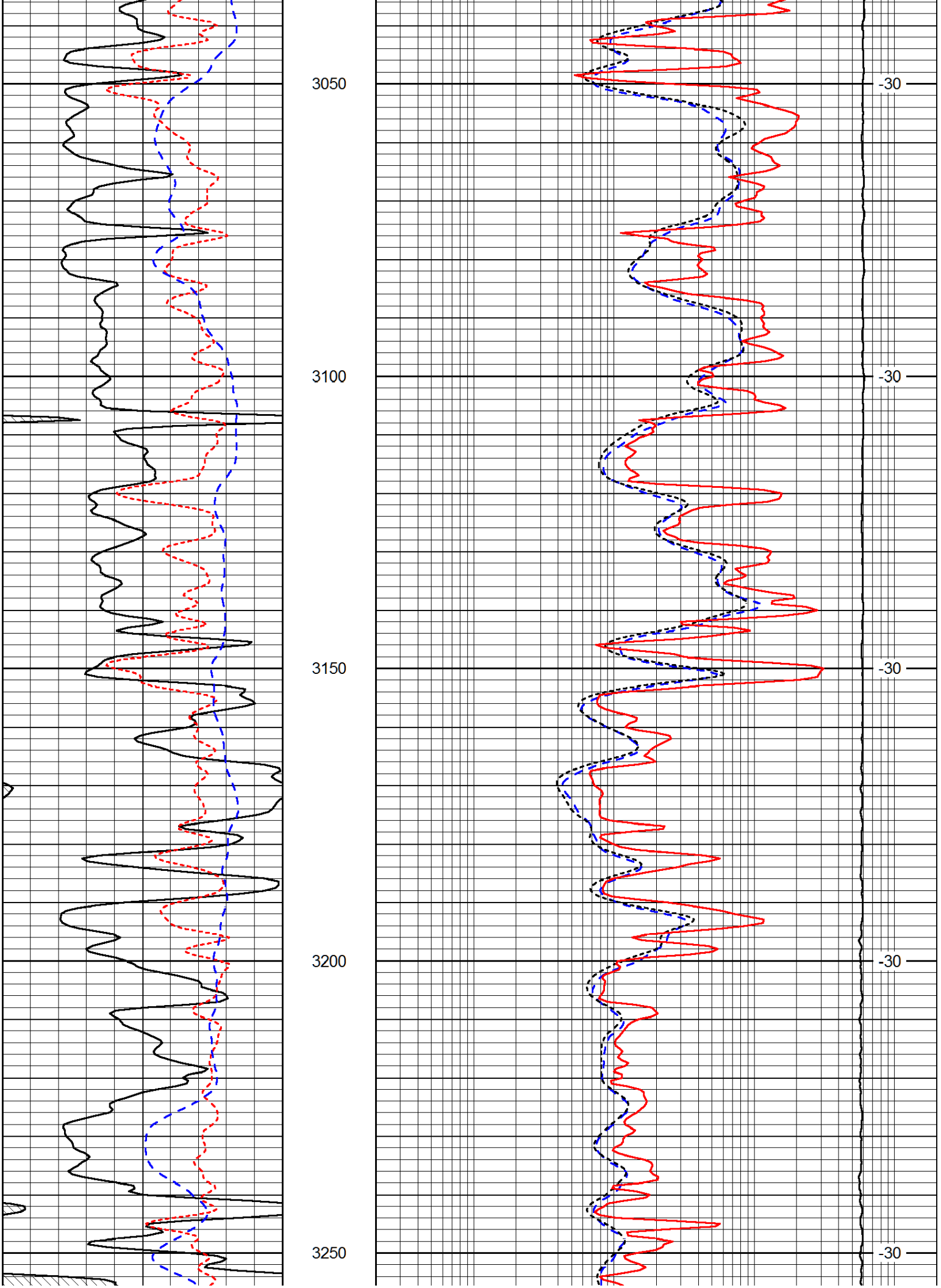


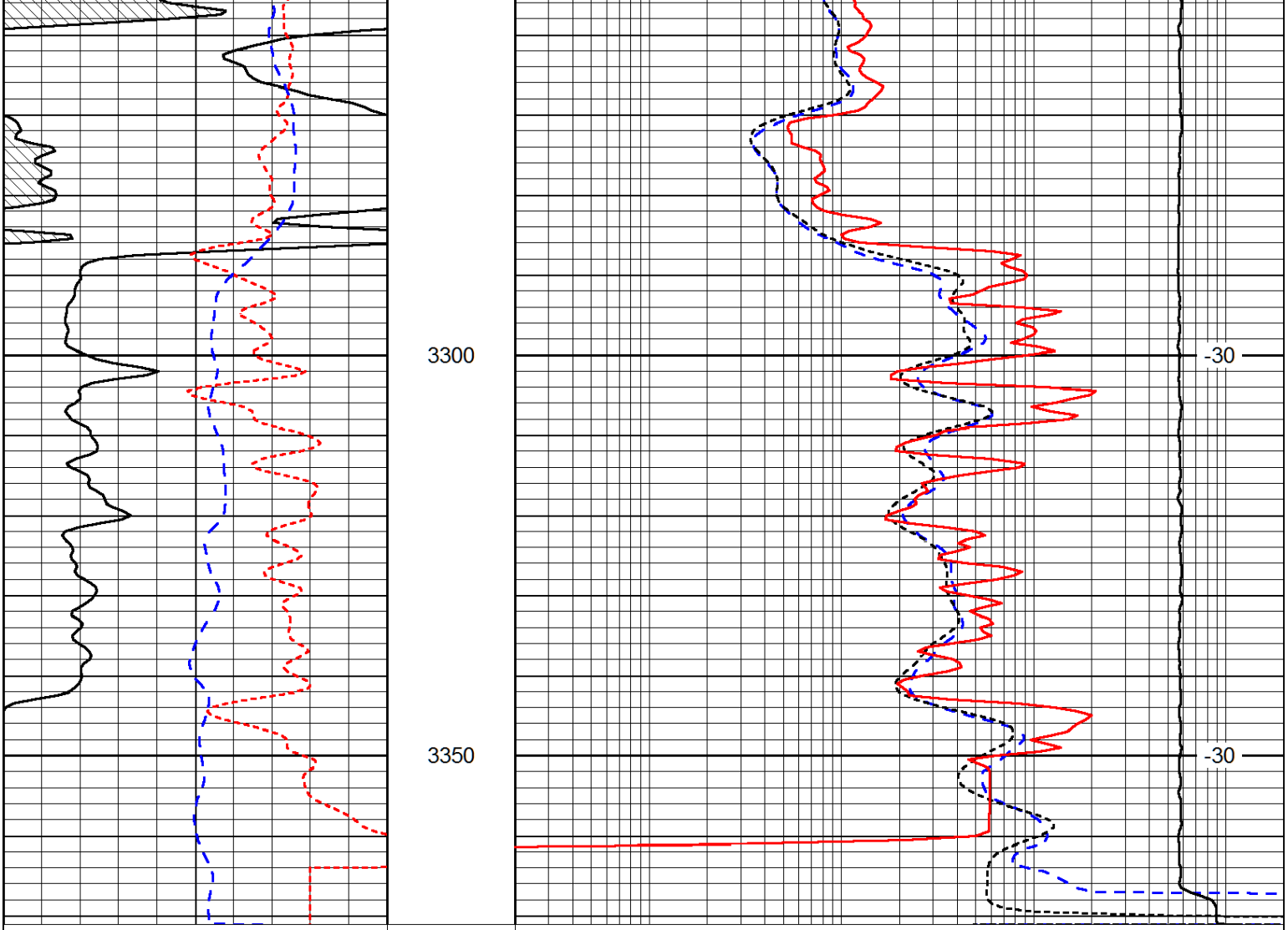
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-32
-30
-30


3050
3100
3150
3200
3250
-30
-30
-30
-30
-30



0	Gamma Ray	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD