PIONEER

Pioneer Energy Services

Dual Induction Log

API No.	
15-135-25,455-00-00	Company: American Warrior, Inc.
	Well: Seltman No. 10
	Field: Pabst
	County: Ness State: Kansas
	Location: 720' FNL & 1100' FWL
	Sec: 25 Twp: 18S Rge: 21W
	Other Services: CNL/CDL
	Elevation: K.B. 2095, D.F., G.L. 2087

Permanent Datum	Ground Level	Elevation 2087	
Log Measured From	Kelly Bushing	8	Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing		

Date	4/15/2013		
Run Number	One		
Depth Driller	4170		
Depth Logger	4174		
Bottom Logged Interval	4173		
Top Log Interval	1300		
Casing Driller	8.625 @ 1302		
Casing Logger	1300		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	6200		
Density / Viscosity	8.8	51	
pH / Fluid Loss	10.5	7.6	
Source of Sample	Flowline		
Rm @ Meas. Temp	1.0 @ 55		
Rmf @ Meas. Temp	.75 @ 55		
Rmc @ Meas. Temp	1.35 @ 55		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.47 @ 118		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	118		
Equipment Number	15		
Location	Hays		
Recorded By	J. Henrickson	D. Kerr	
Witnessed By	Jason Alm		

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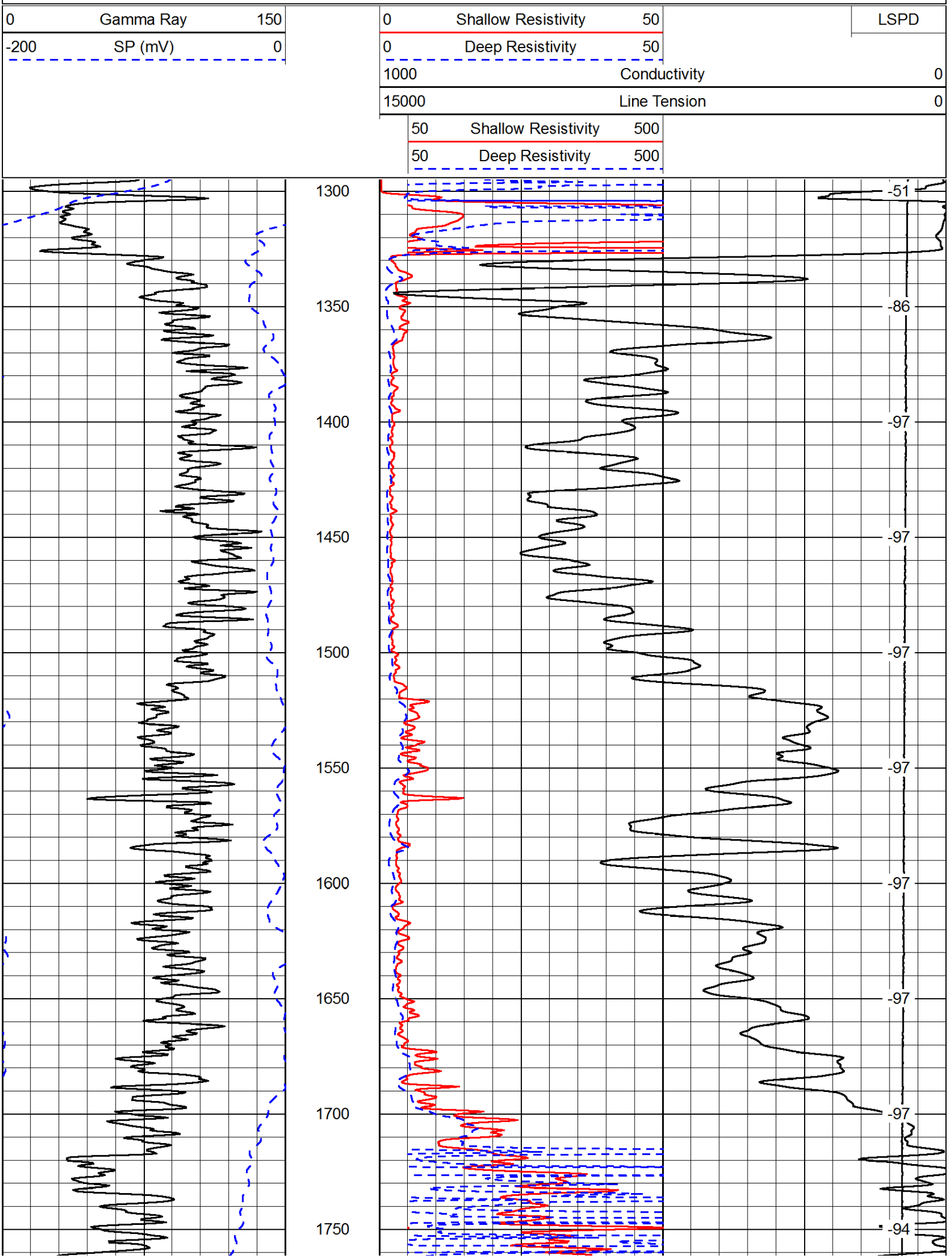
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.pioneeres.com
785 625 3858

Alexander Ks
3 W, N into at Tank Batteries

Database File: c:\warrior\data\amwar_seltman #10\americanwarrior_seltman_10hd.db
Dataset Pathname: DIL/awstk
Presentation Format: dil2in
Dataset Creation: Mon Apr 15 13:57:29 2013
Charted by: Depth in Feet scaled 1:600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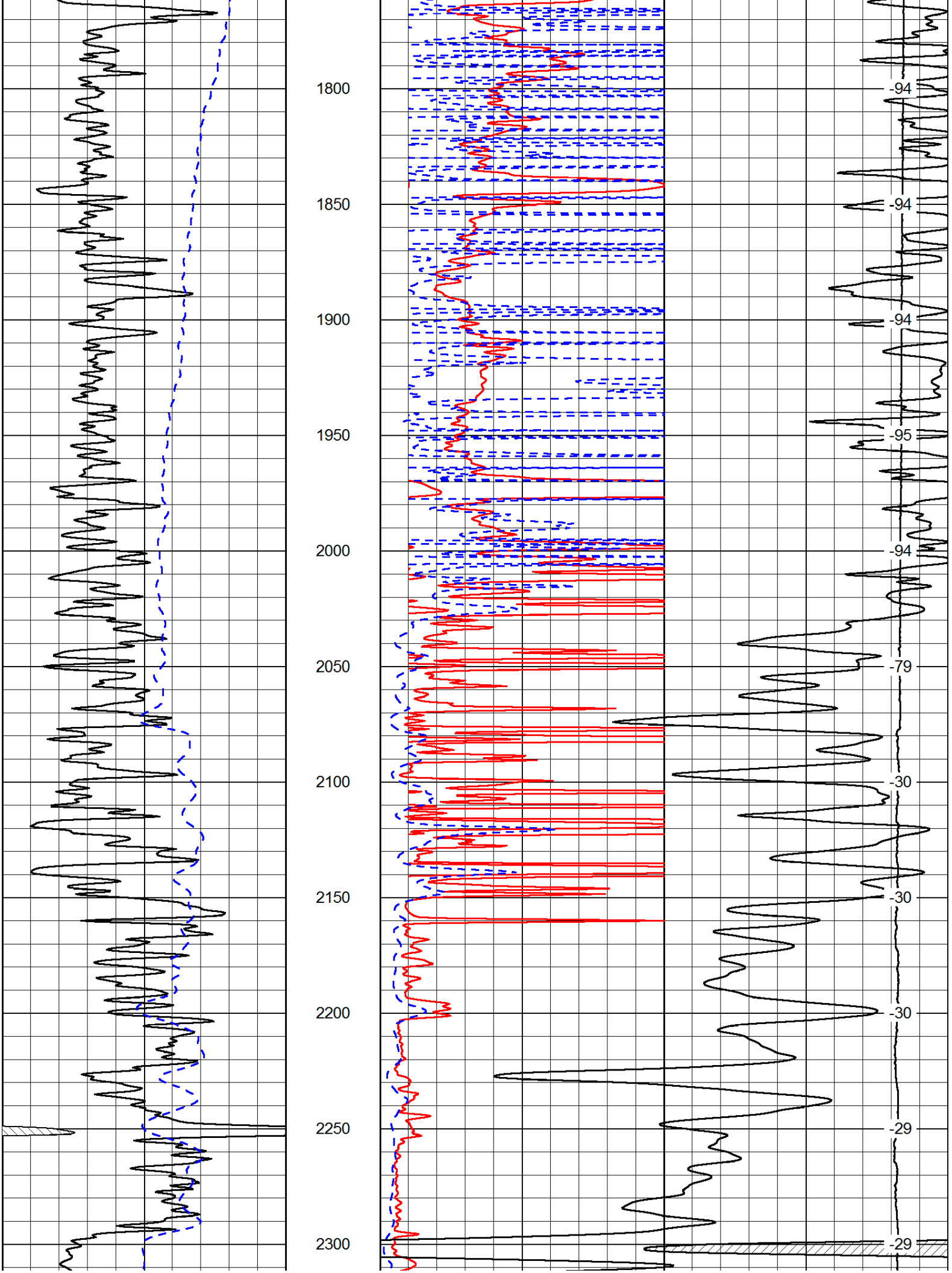
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
-51
-86
-97
-97
-97
-97
-97
-97
-94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2050
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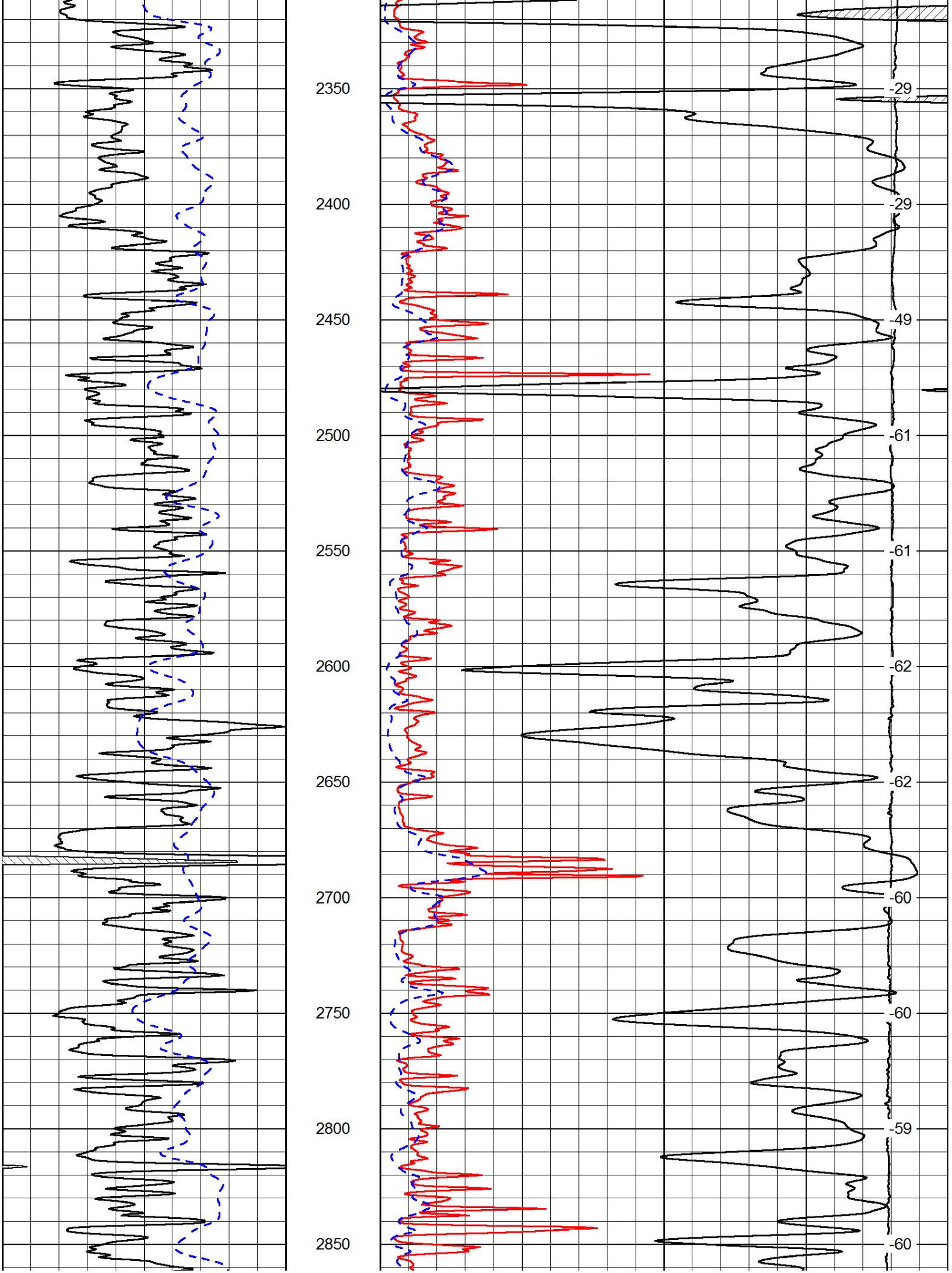
-29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2600
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-62
-62
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-60
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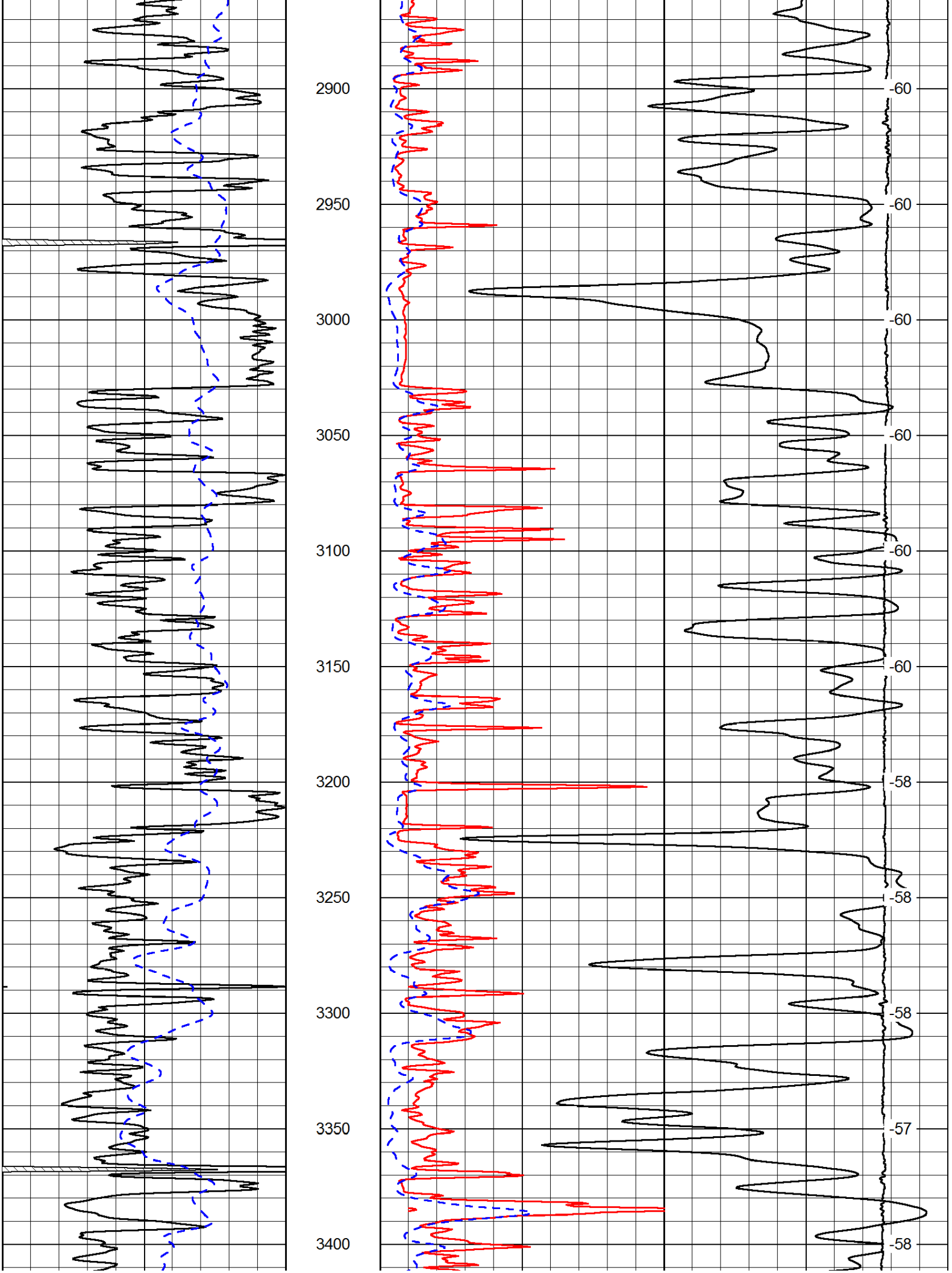
-60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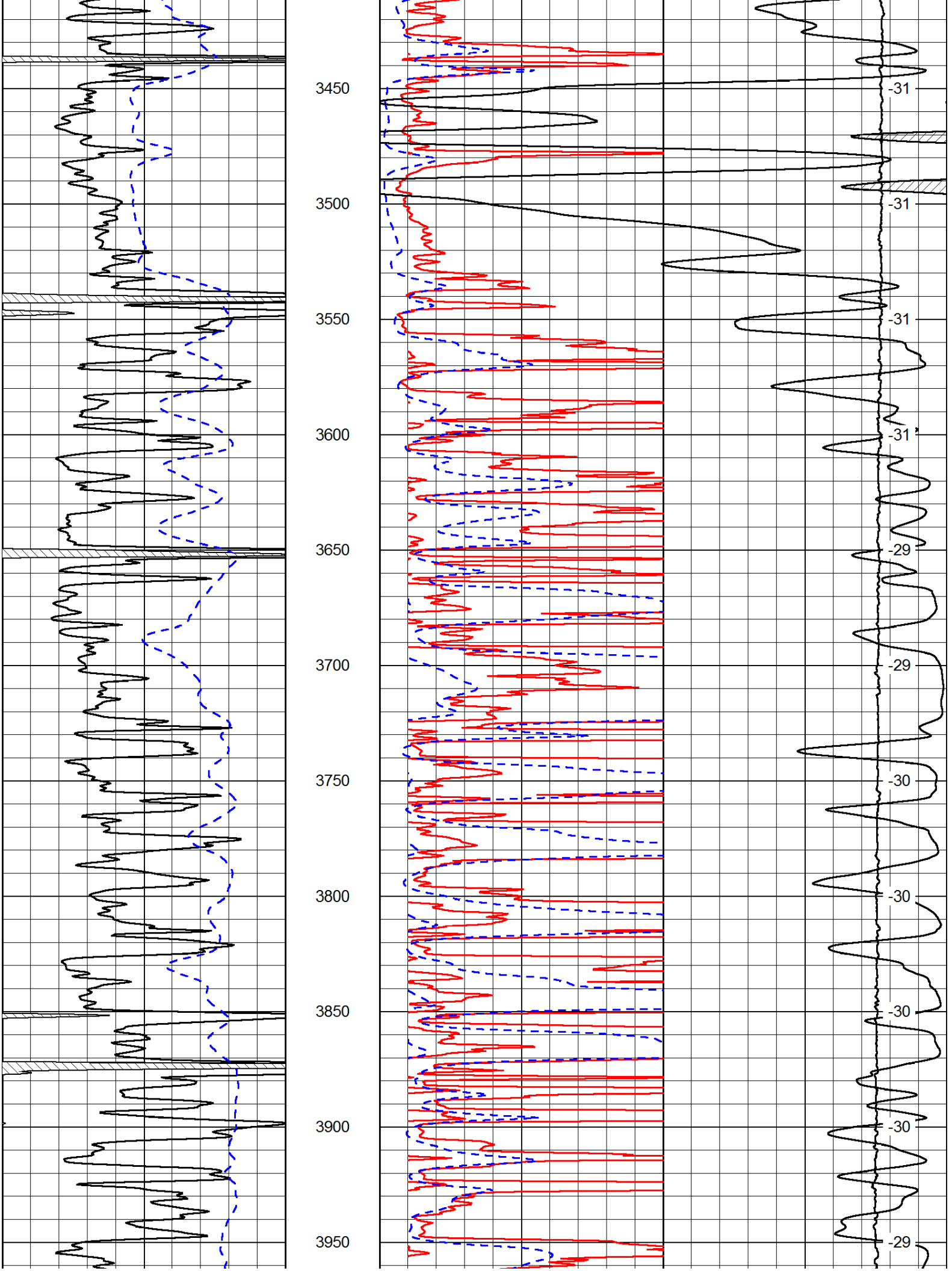
-58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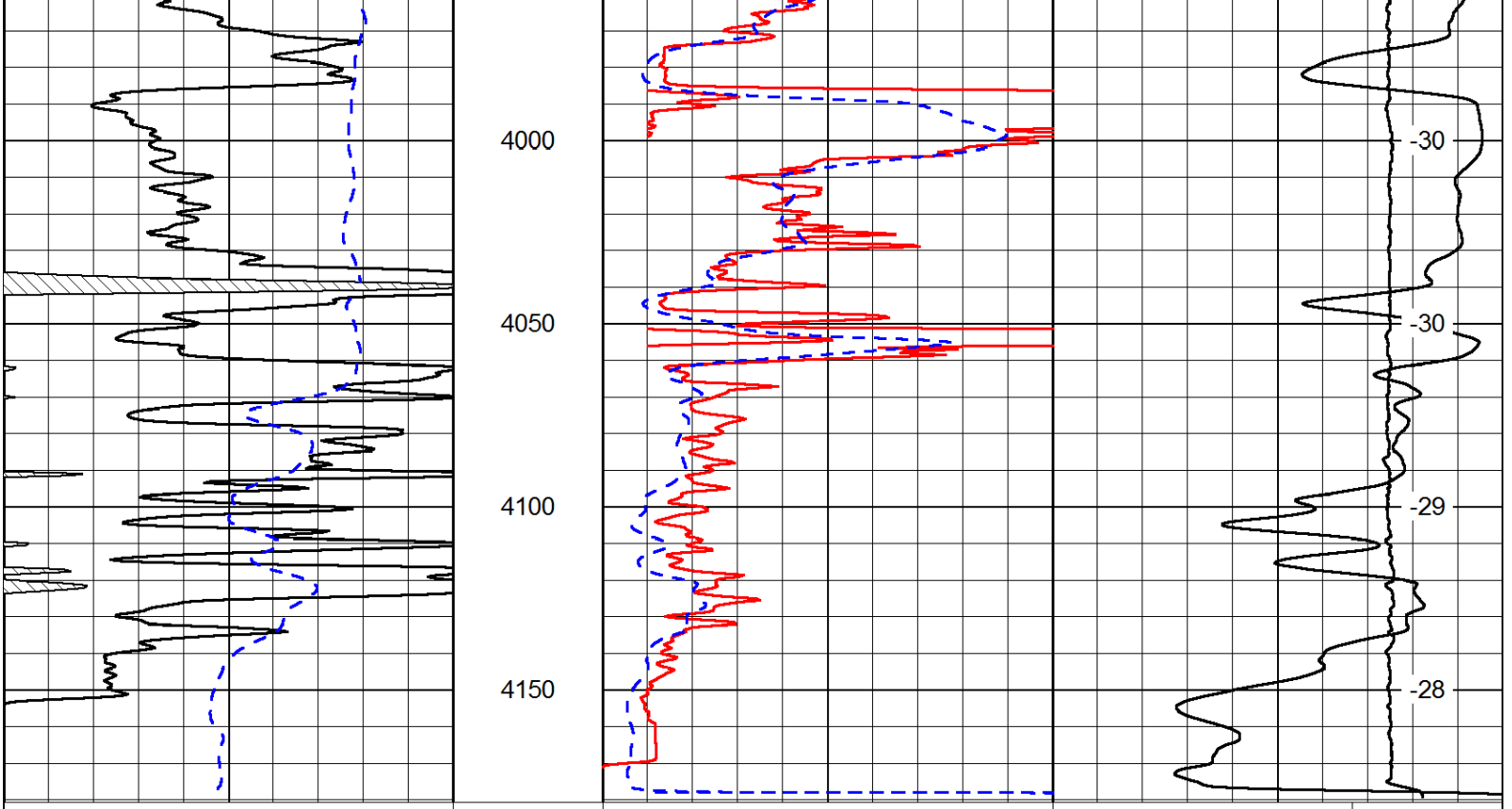

0	Gamma Ray	150
-200	SP (mV)	0

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

LSPD

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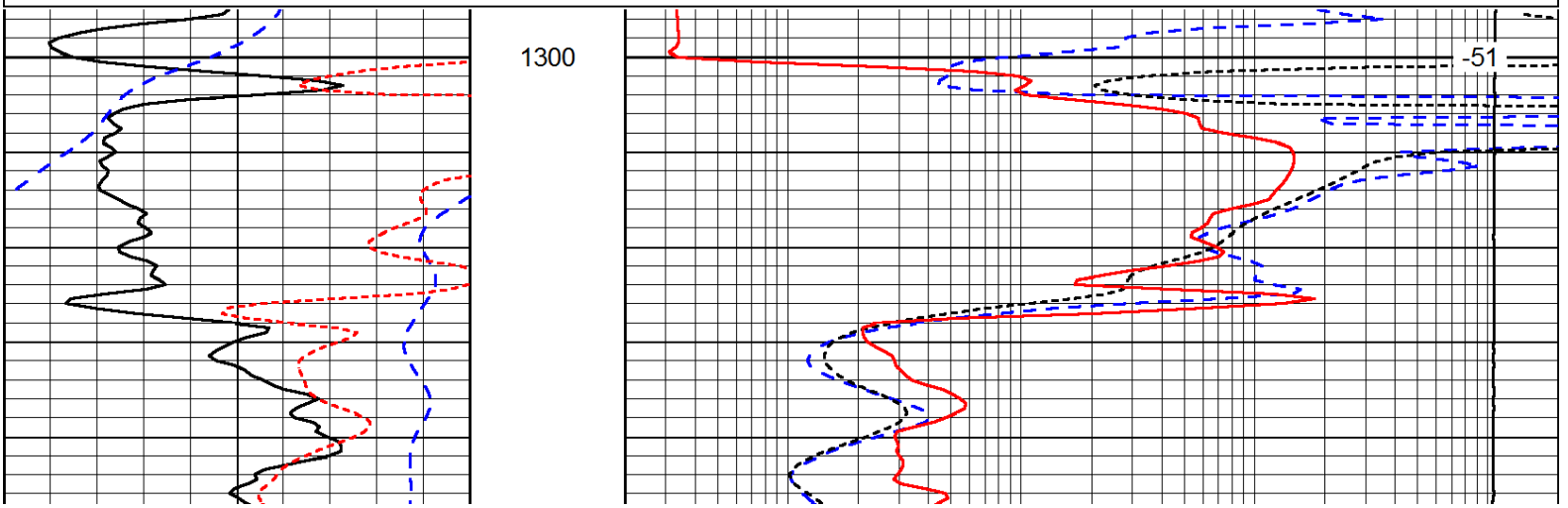
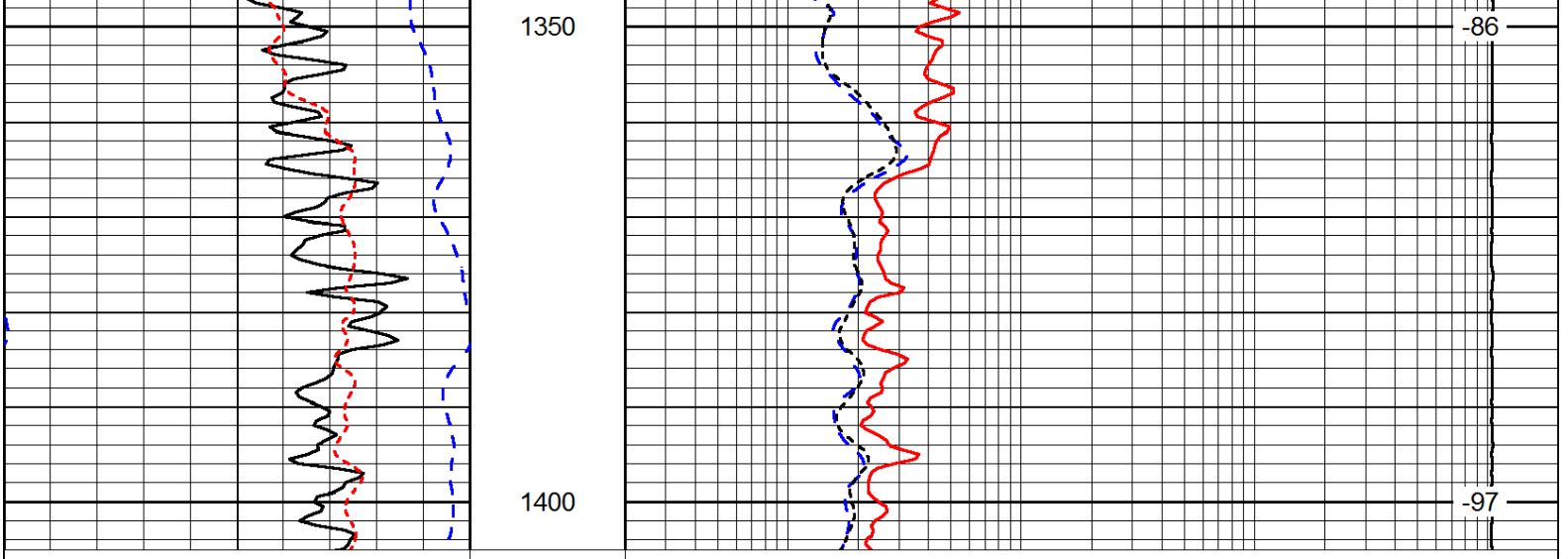
Dataset Pathname: DIL/awstk
Presentation Format: dil
Dataset Creation: Mon Apr 15 13:57:29 2013
Charted by: Depth in Feet scaled 1:240

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

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

LSPD





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-200	SP (mV)	0
-160	RxoRt	40

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0.2	Shallow Resistivity	2000
15000	Line Tension	0
	LSPD	

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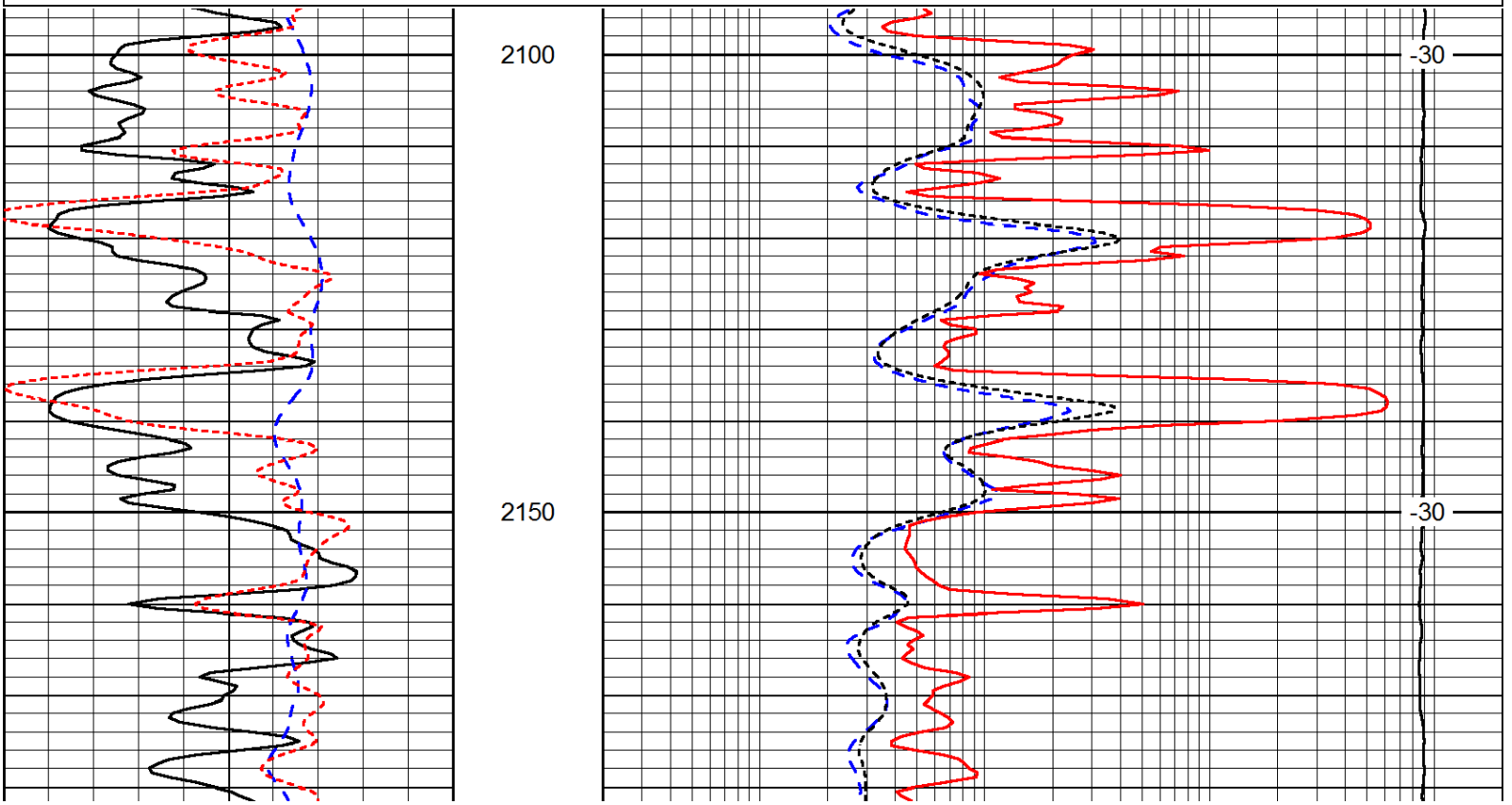
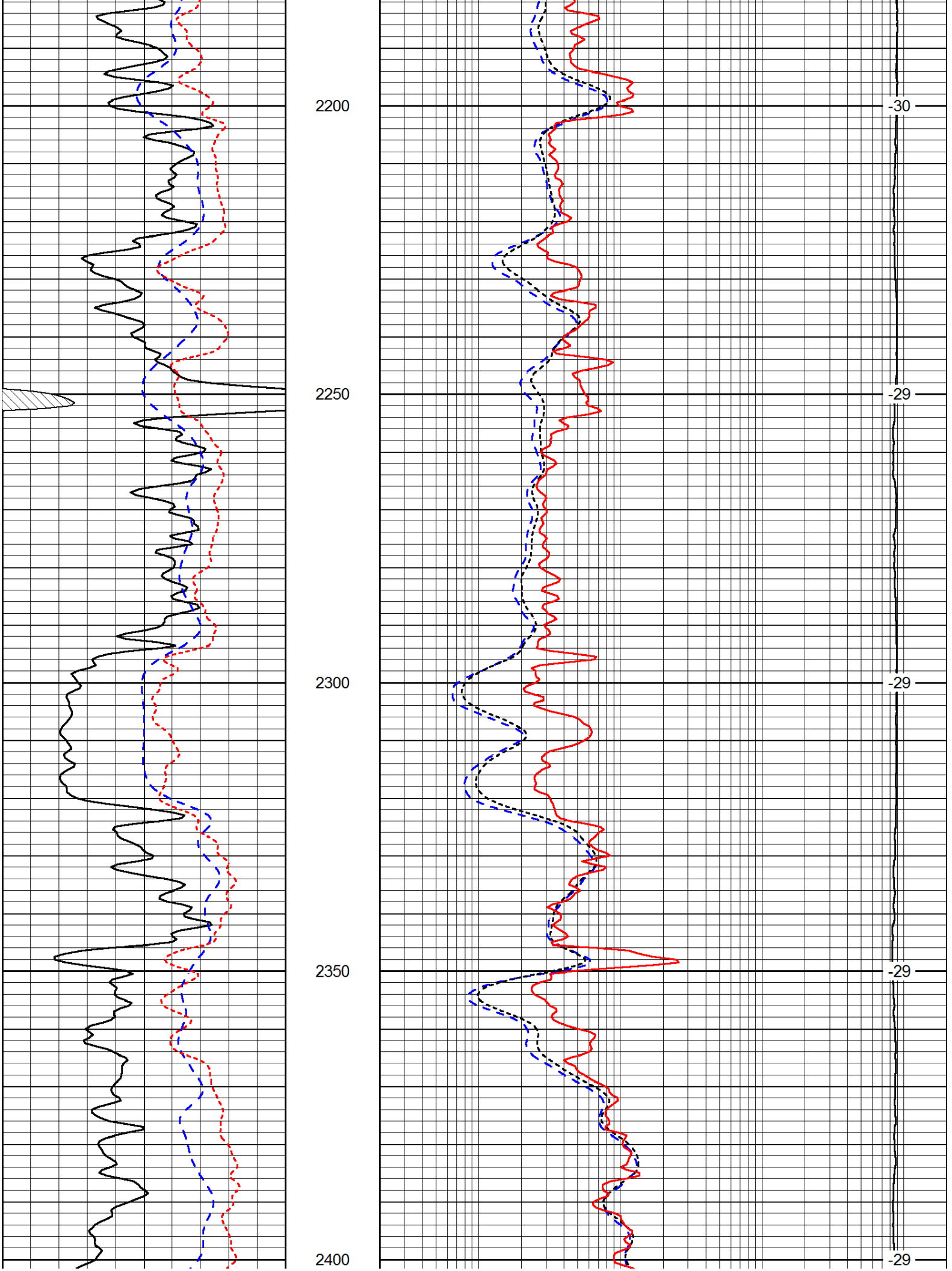
	LSPD	




2200
2250
2300
2350
2400
-30
-29
-29
-29
-29

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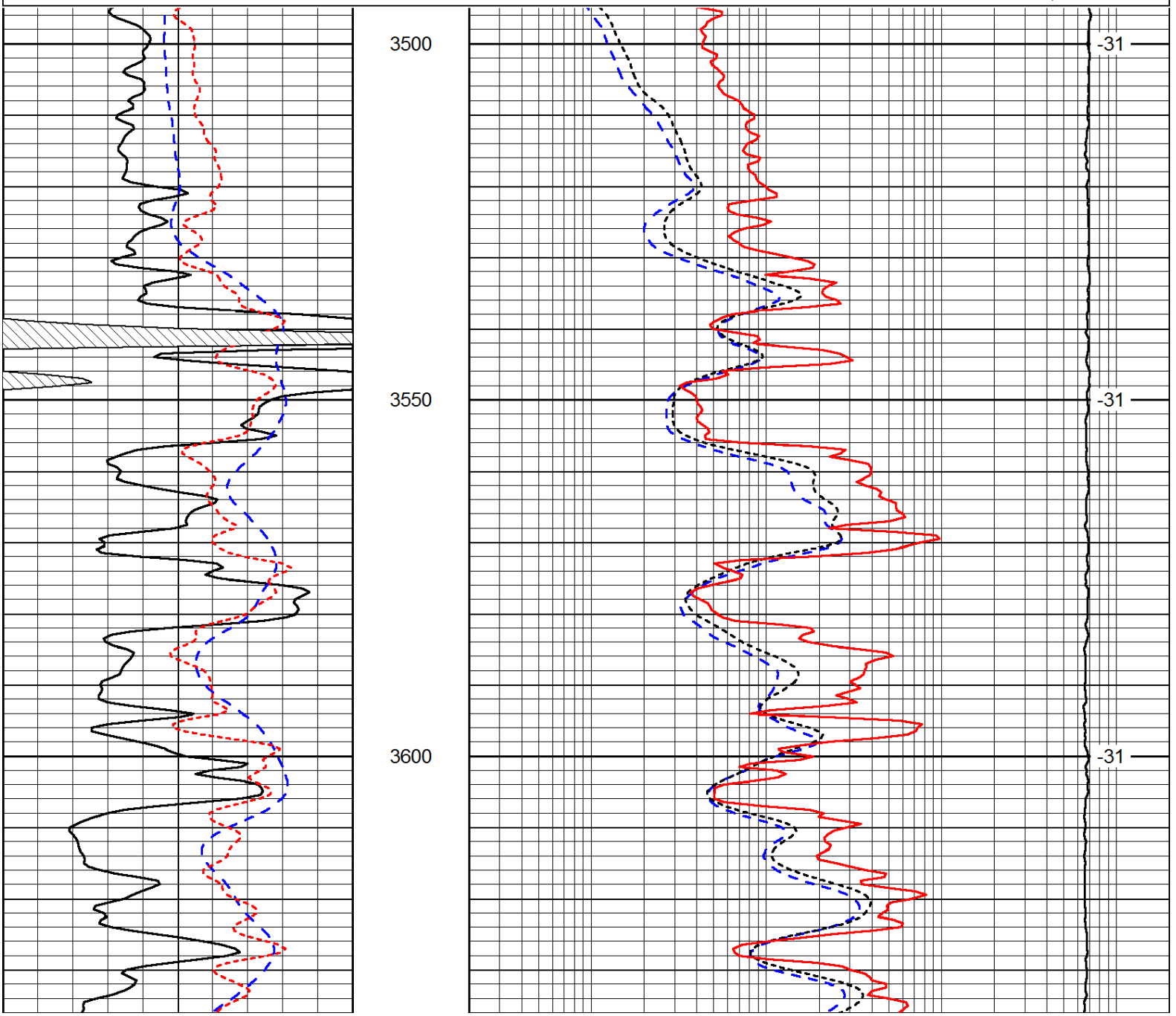

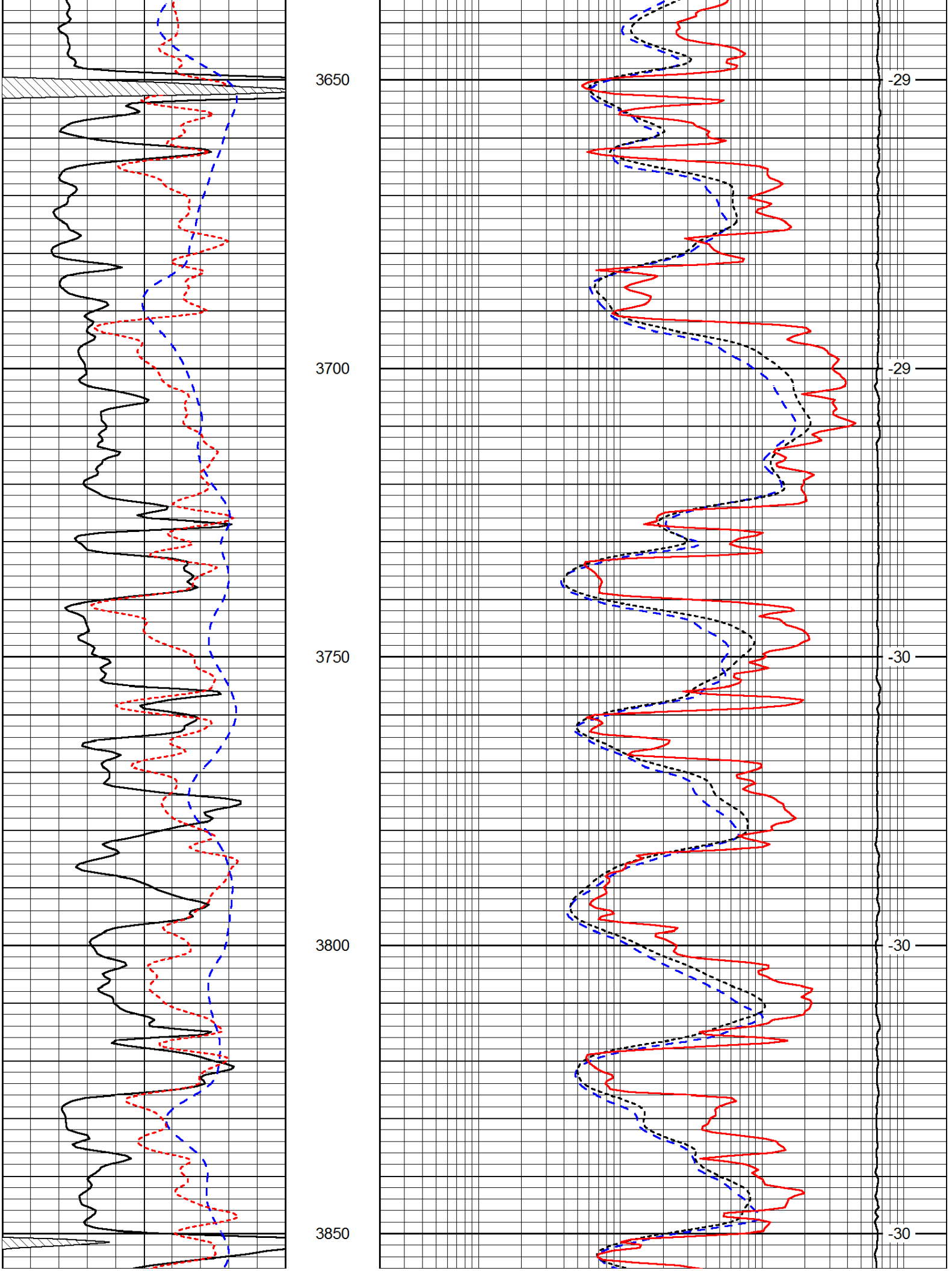
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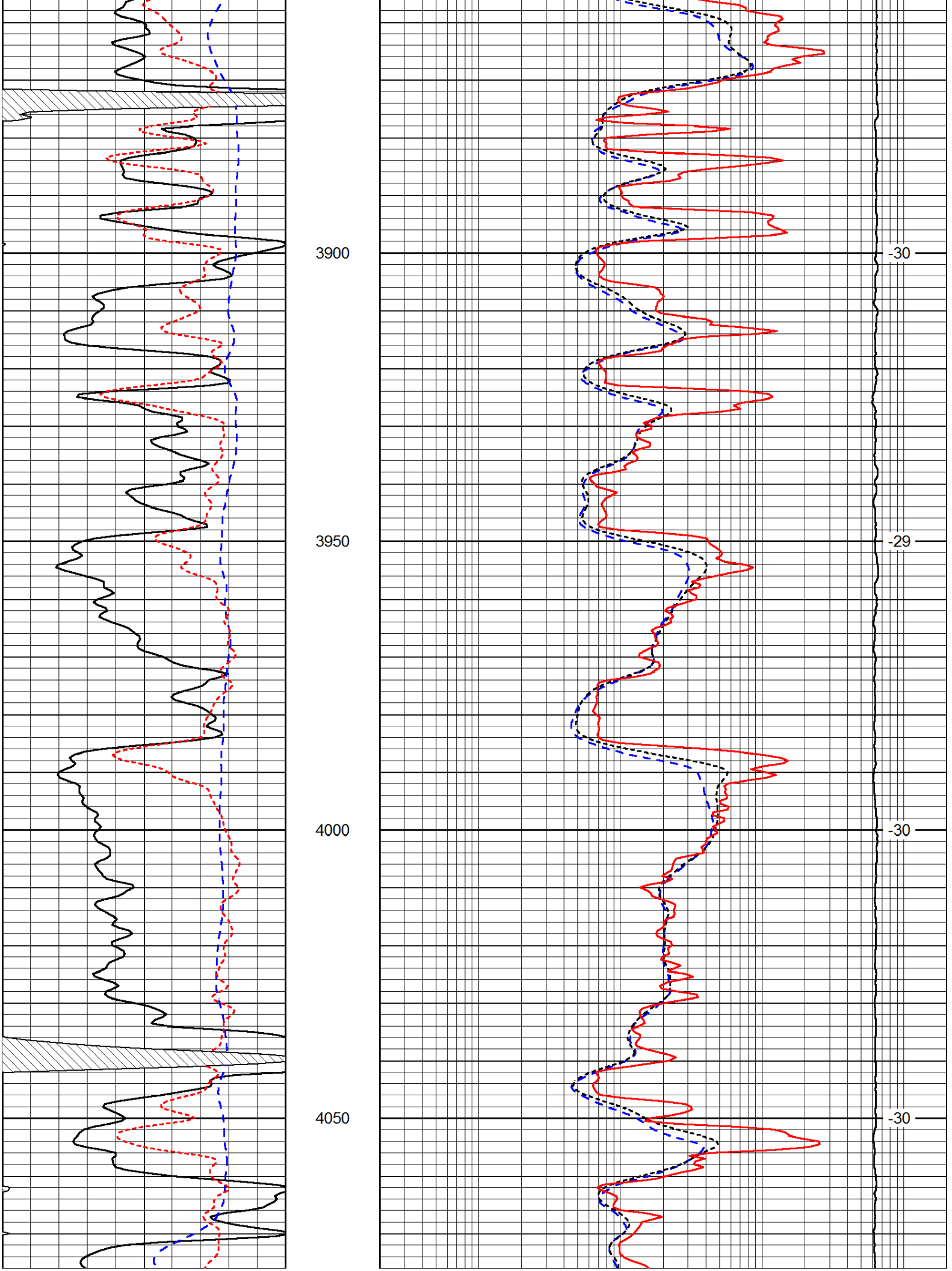
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3950
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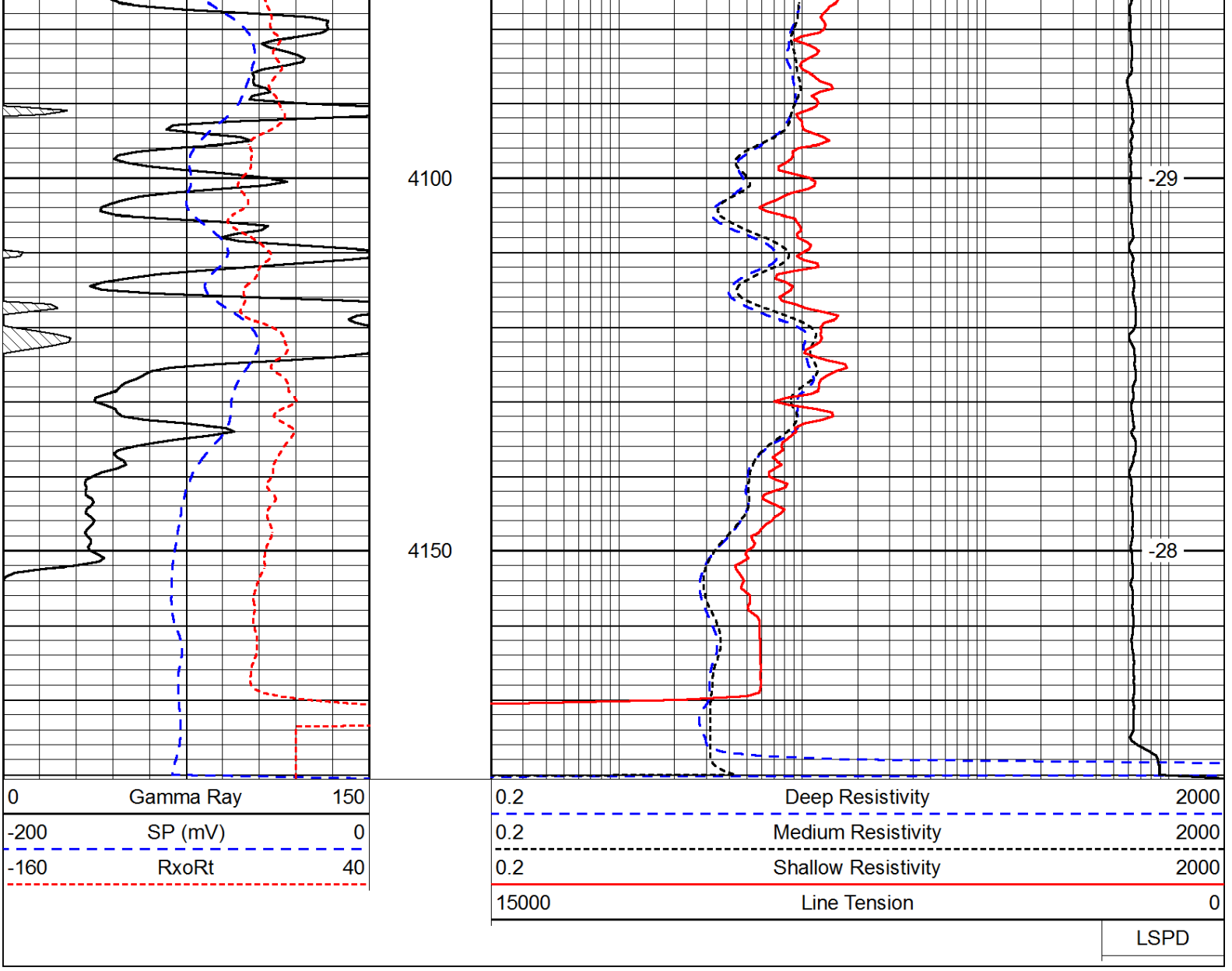
4100
4150
-29
-28
0
Gamma Ray
150
-200
SP (mV)
0
-160
RxoRt
40
0.2
Deep Resistivity
2000
0.2
Medium Resistivity
2000
0.2
Shallow Resistivity
2000
15000
Line Tension
0
LSPD