PIONEER

Pioneer Energy Services

Dual Induction Log

Company	American Warrior, Inc.
Well	Clark #3-2
Field	Unknown
County	Finney State Kansas
API No.	15-055-22,293-00-00
Location	2165' FSL & 1738' FEL
Sec: 2 Twp: 25S Rge: 31W	
Permanent Datum Ground Level	Elevation 2828
Log Measured From Kelly Bushing	11 Ft. Above Perm. Datum
Drilling Measured FromKelly Bushing	

Other Services
CNL/CDL
MEL

Elevation
K.B. 2839
D.F.
G.L. 2828

Date	4/19/2014					
Run Number	One					
Depth Driller	5000					
Depth Logger	4999					
Bottom Logged Interval	4998					
Top Log Interval	1650					
Casing Driller	8.625 @ 1689					
Casing Logger	1689					
Bit Size	7.875					
Type Fluid in Hole	Chemical					
Salinity,ppm CL	3700					
Density / Viscosity	9.55 48					
pH / Fluid Loss	9.5 8.4					
Source of Sample	Flowline					
Rm @ Meas. Temp	0.92 @ 67					
Rmf @ Meas. Temp	0.69 @ 67					
Rmc @ Meas. Temp	1.24 @ 67					
Source of Rmf / Rmc	Charts					
Rm @ BHT	0.49 @ 126					
Operating Rig Time	4 1/2 Hours					
Max Rec. Temp. F	126					
Equipment Number	15					
Location	Hays					
Recorded By	D.Kerr					
Witnessed By	Kevin Timson					

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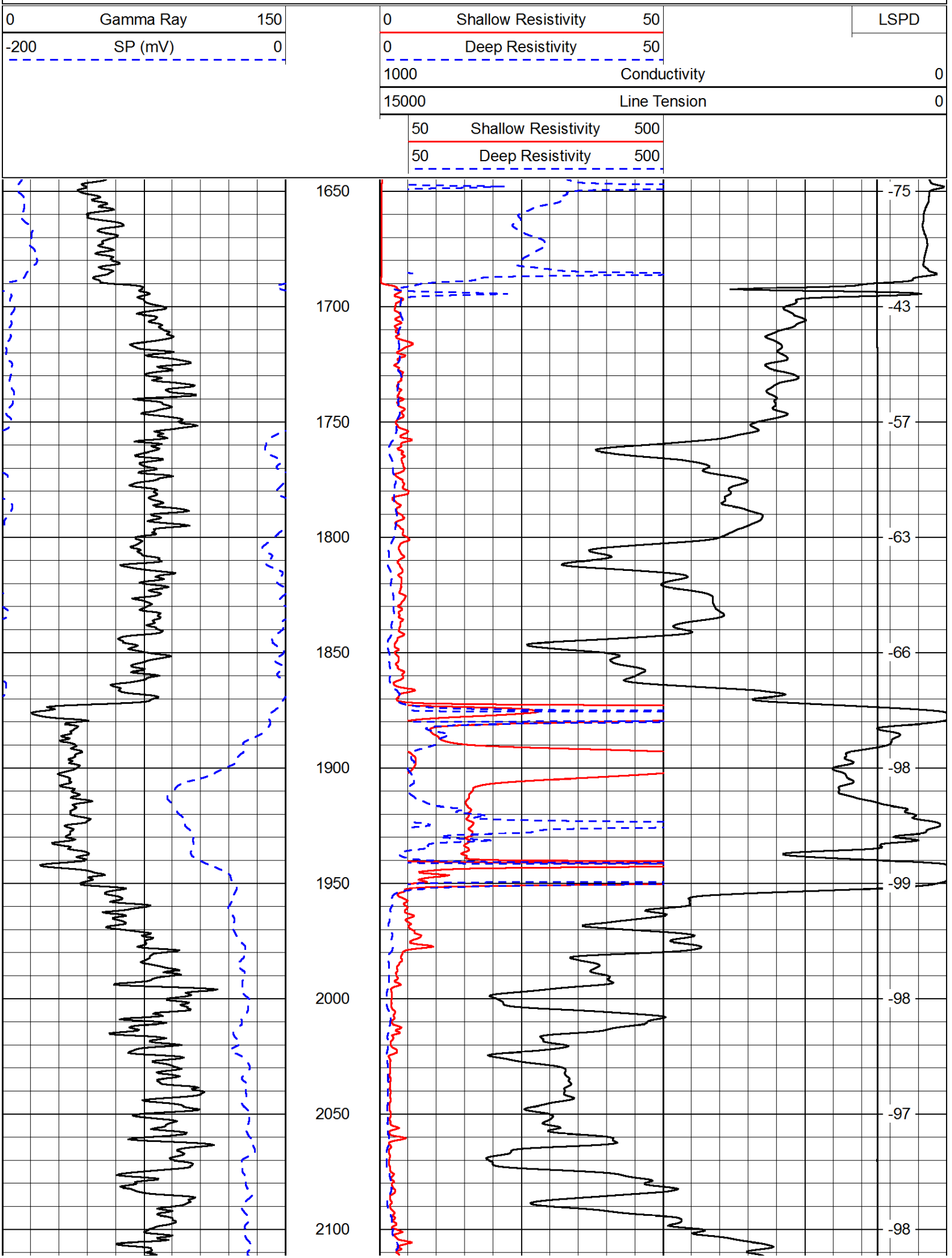
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

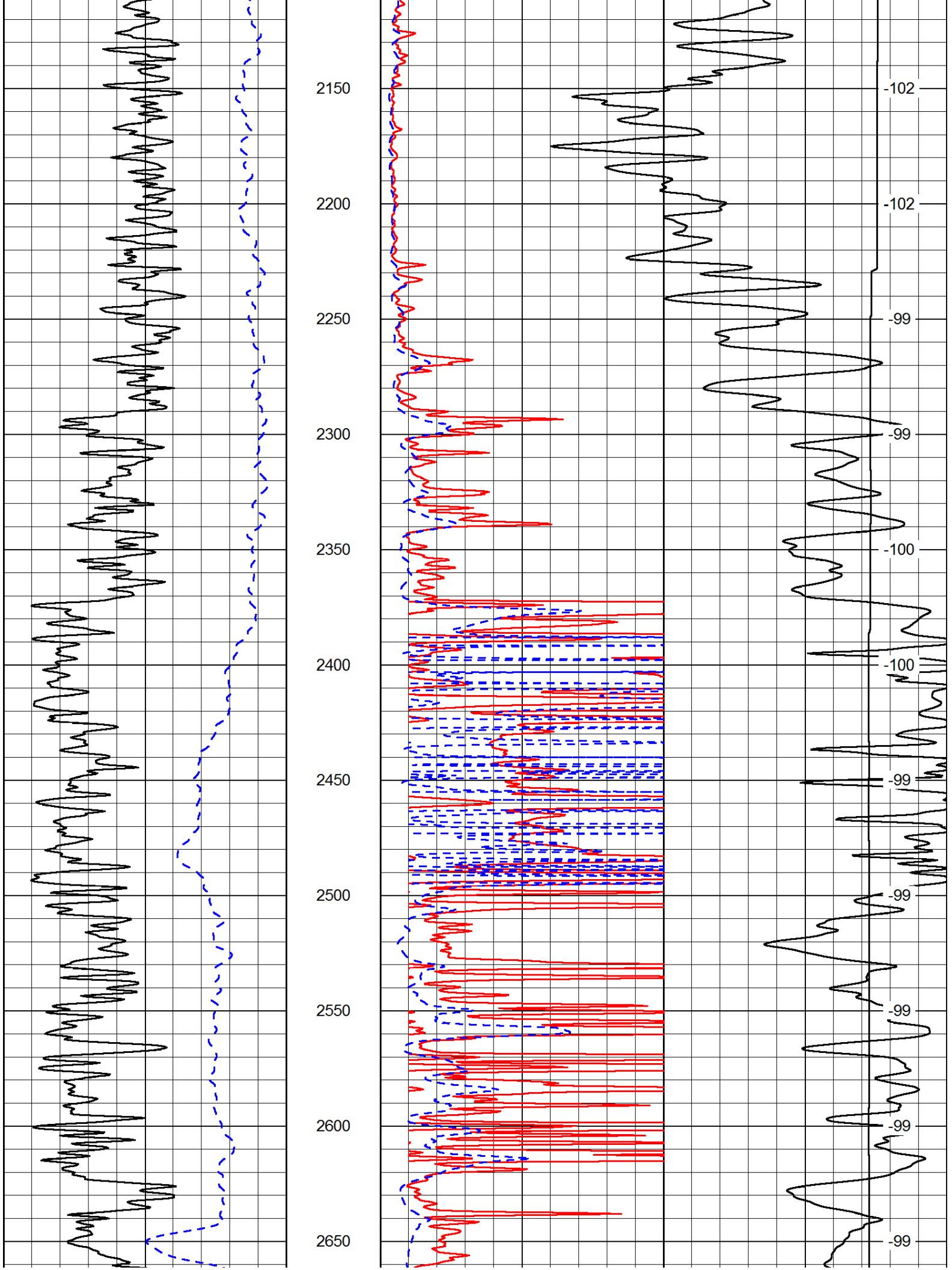
Comments

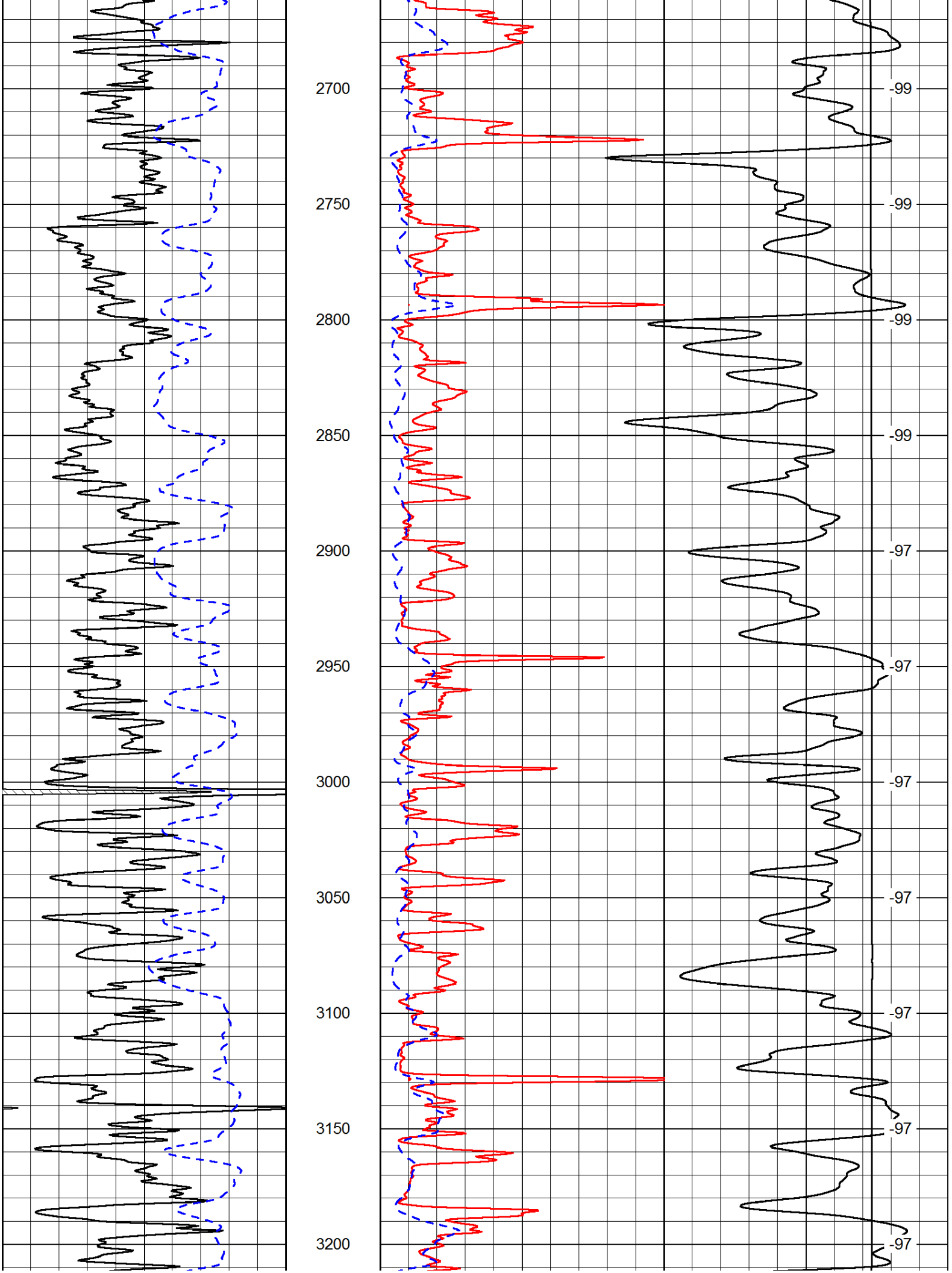
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

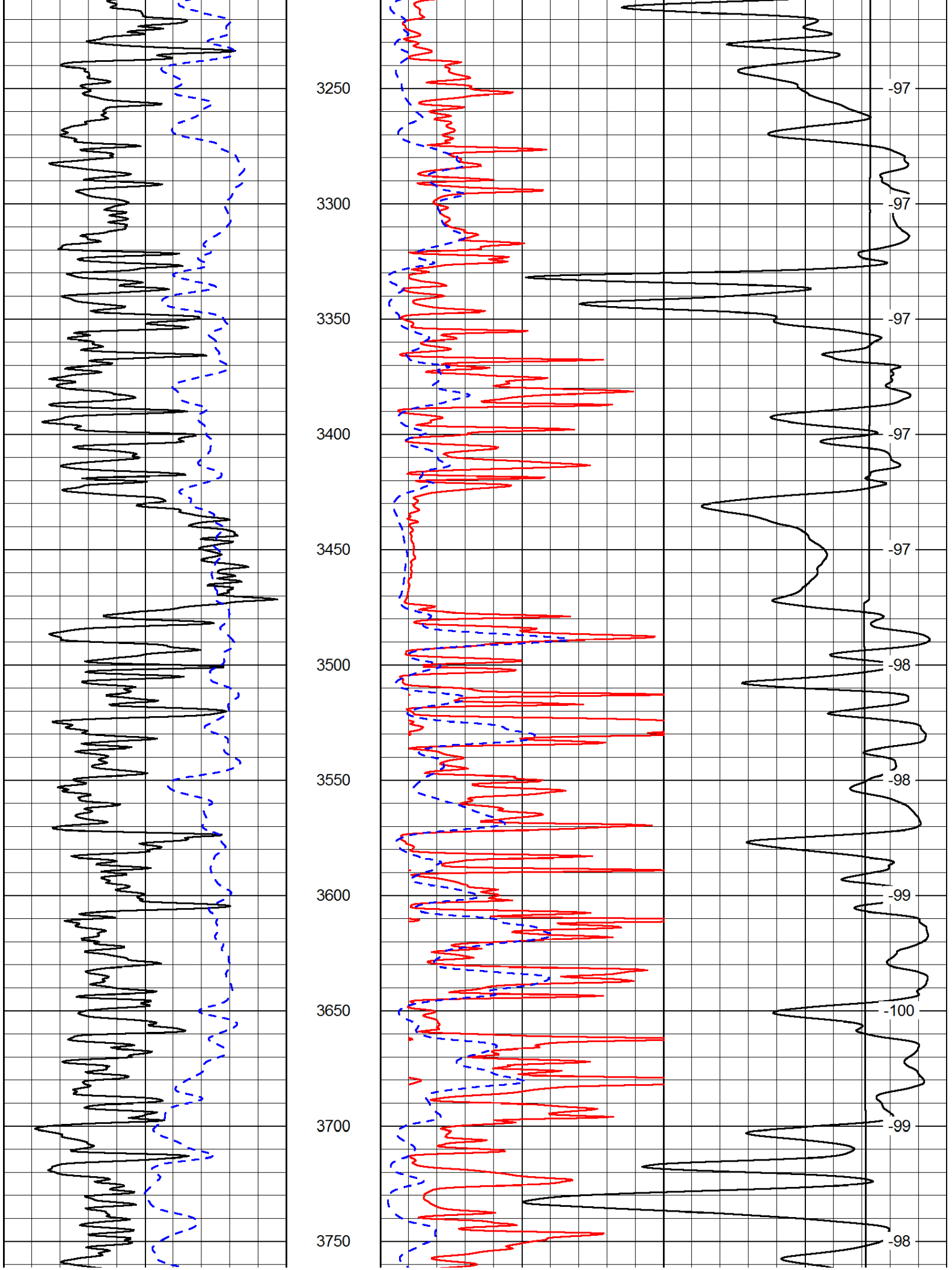
Garden City KS, Southwest on HWY 50 to Aerodrome RD,
1 1/2 East, 3/4 South, West Into

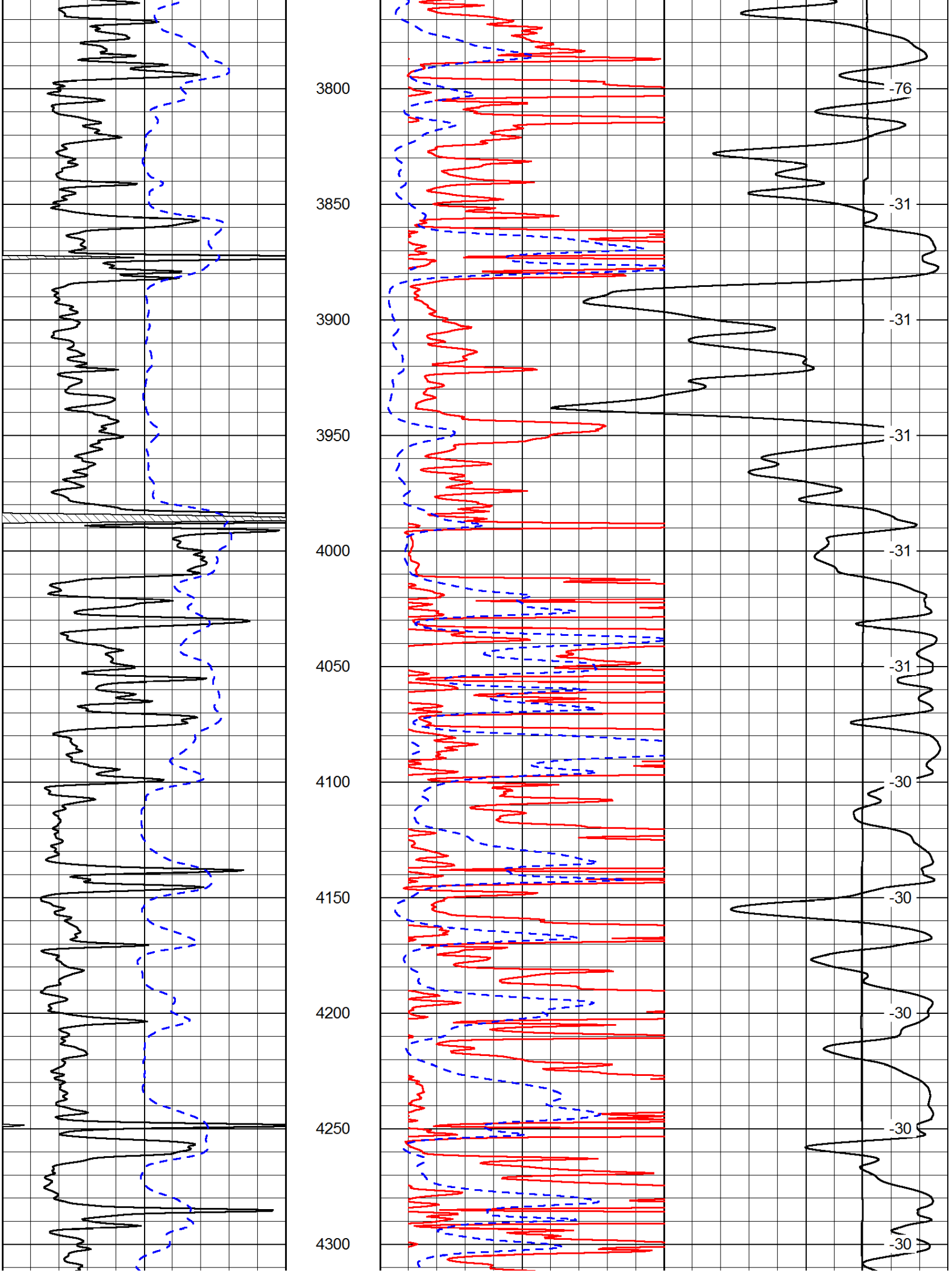
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Presentation Format:	dil2in
Dataset Creation:	Sat Apr 19 11:54:44 2014
Charted by:	Depth in Feet scaled 1:600

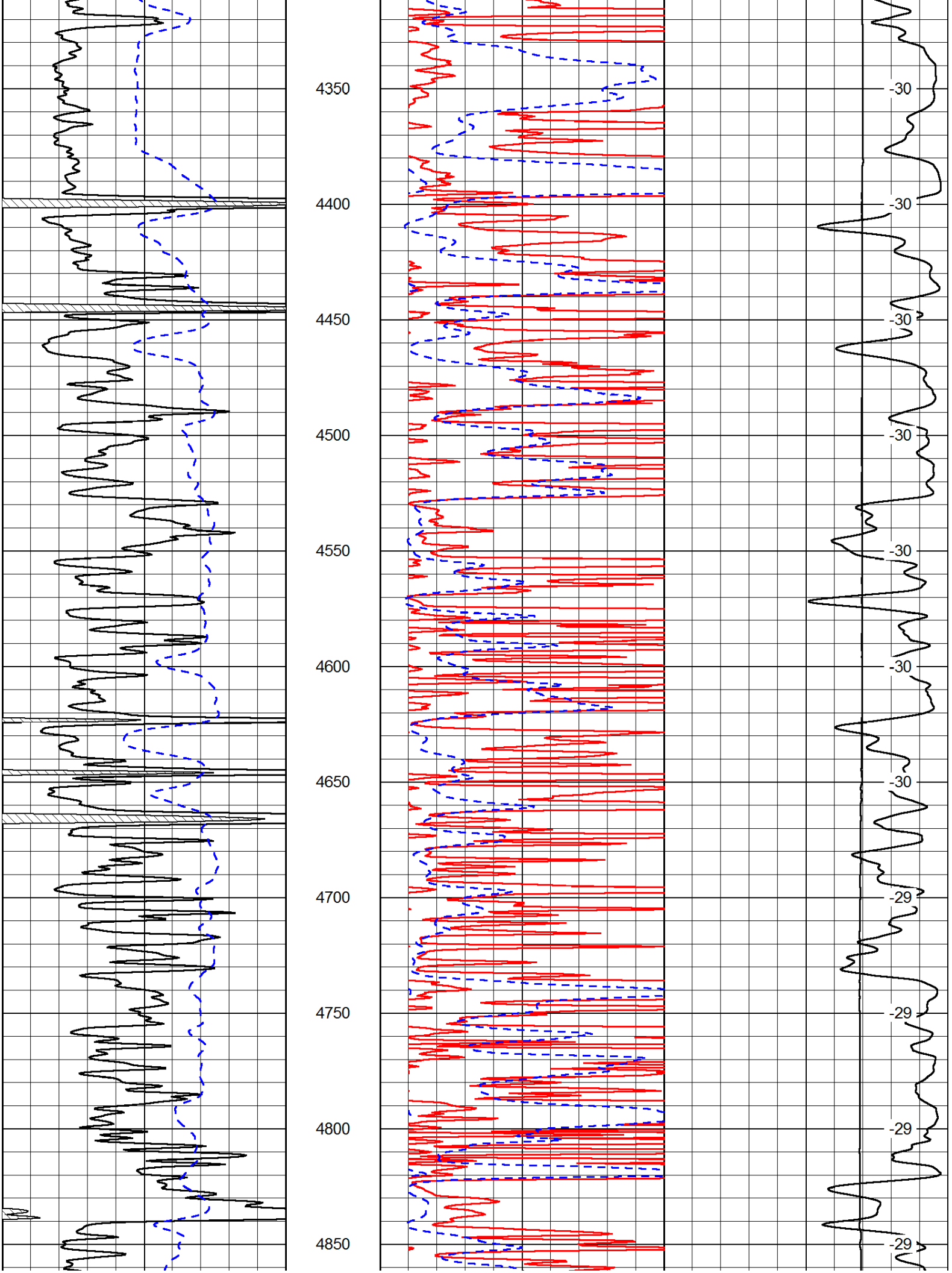

0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
LSPD
50 Shallow Resistivity 500
50 Deep Resistivity 500
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100
-75
-43
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-99
-98
-97
-98

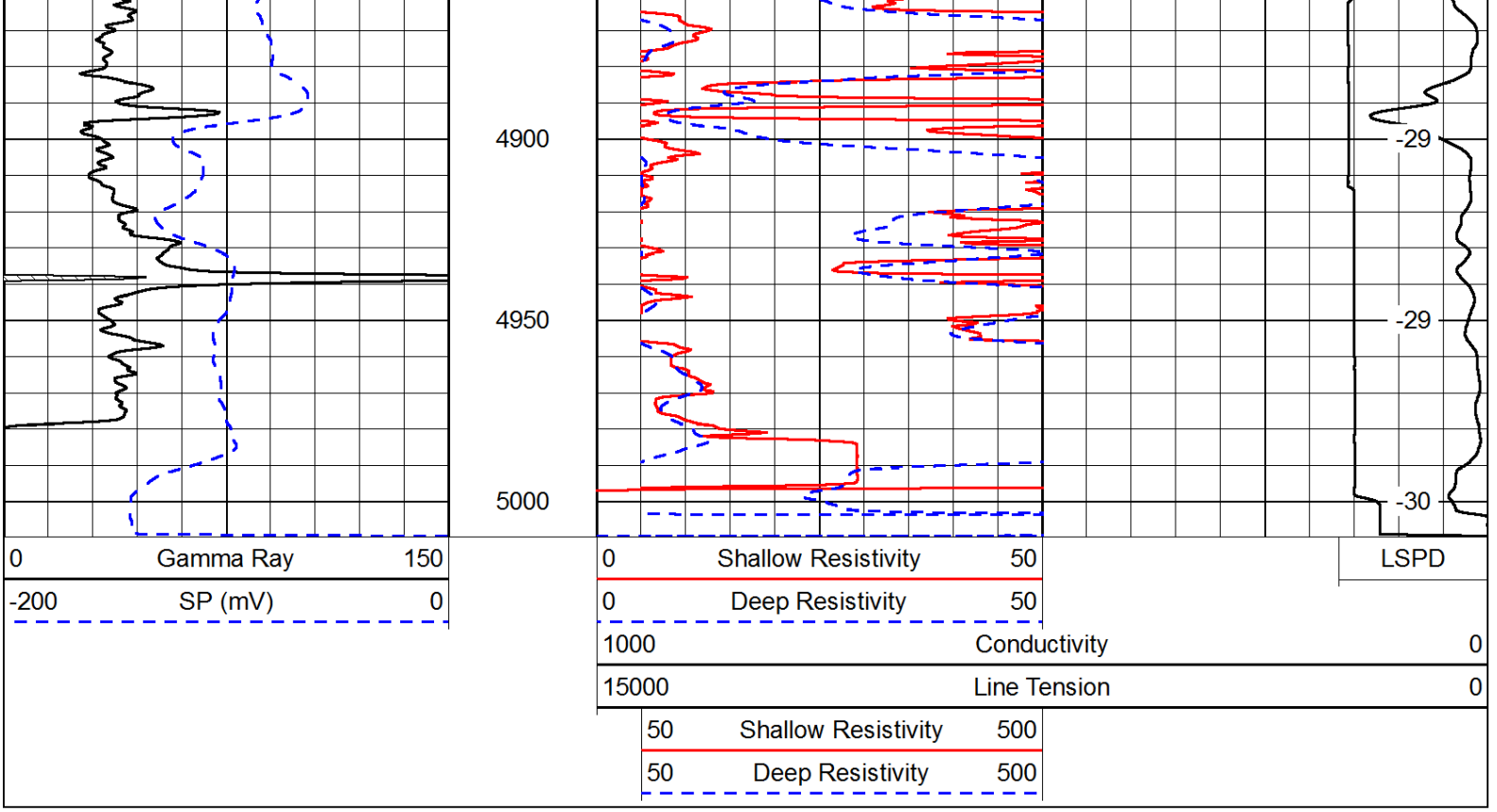

2150
2200
2250
2300
2350
2400
2450
2500
2550
2600
2650
-102
-102
-99
-99
-100
-100
-99
-99
-99
-99
-99


2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
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-97

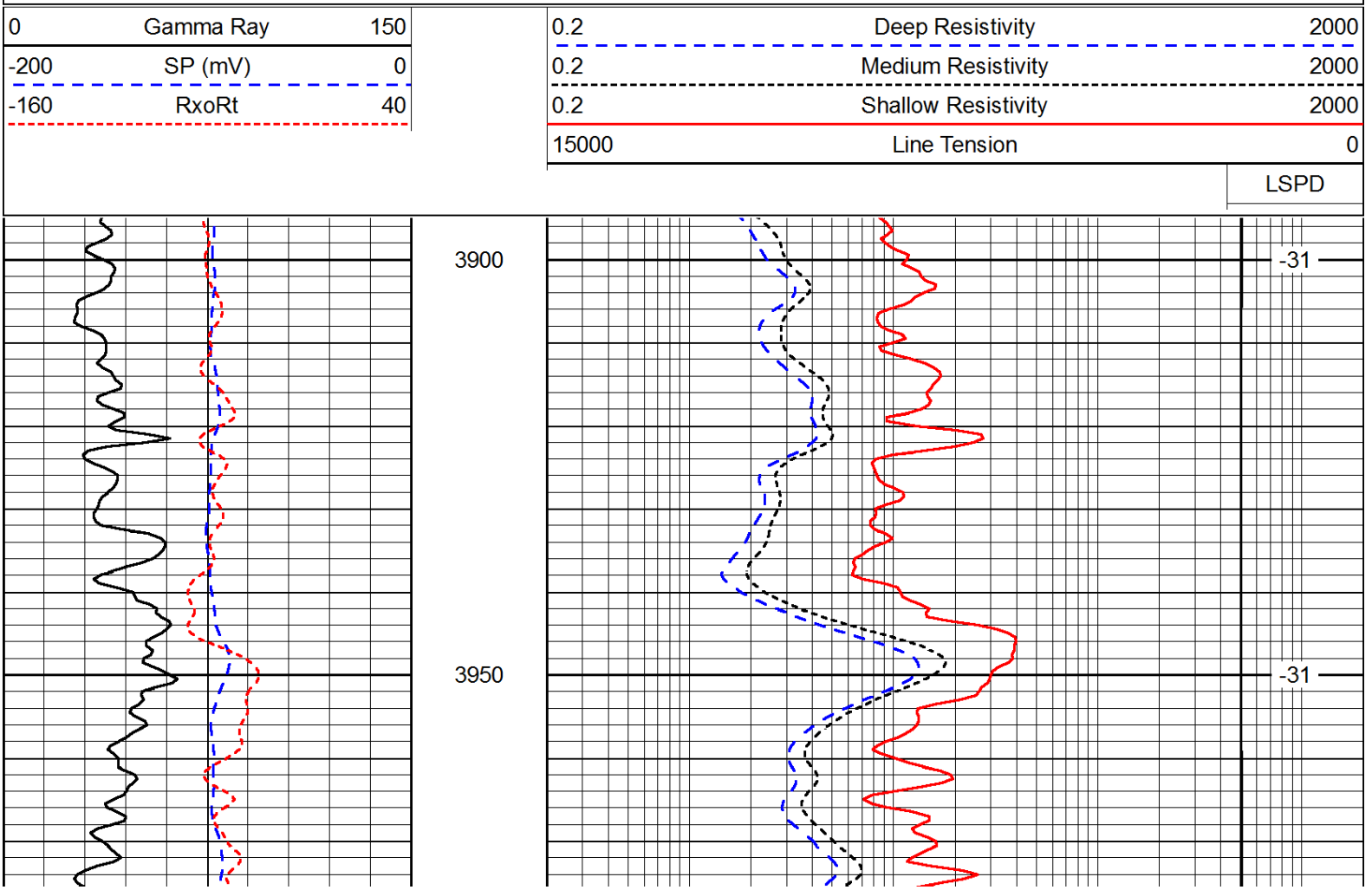

3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
-97
-97
-97
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-98
-99
-100
-99
-98

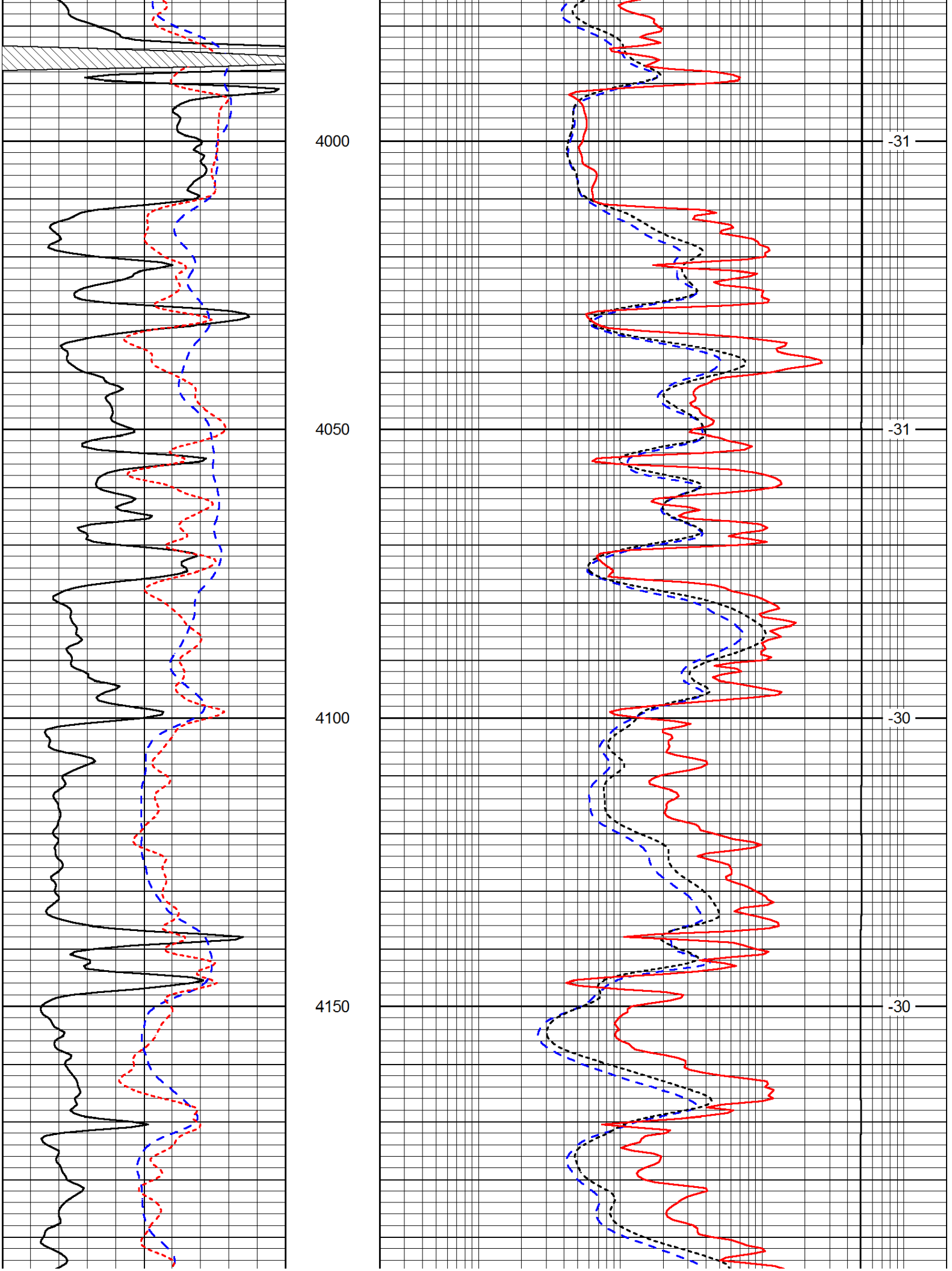

3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
-76
-31
-31
-31
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-31
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-30
-30
-30
-30

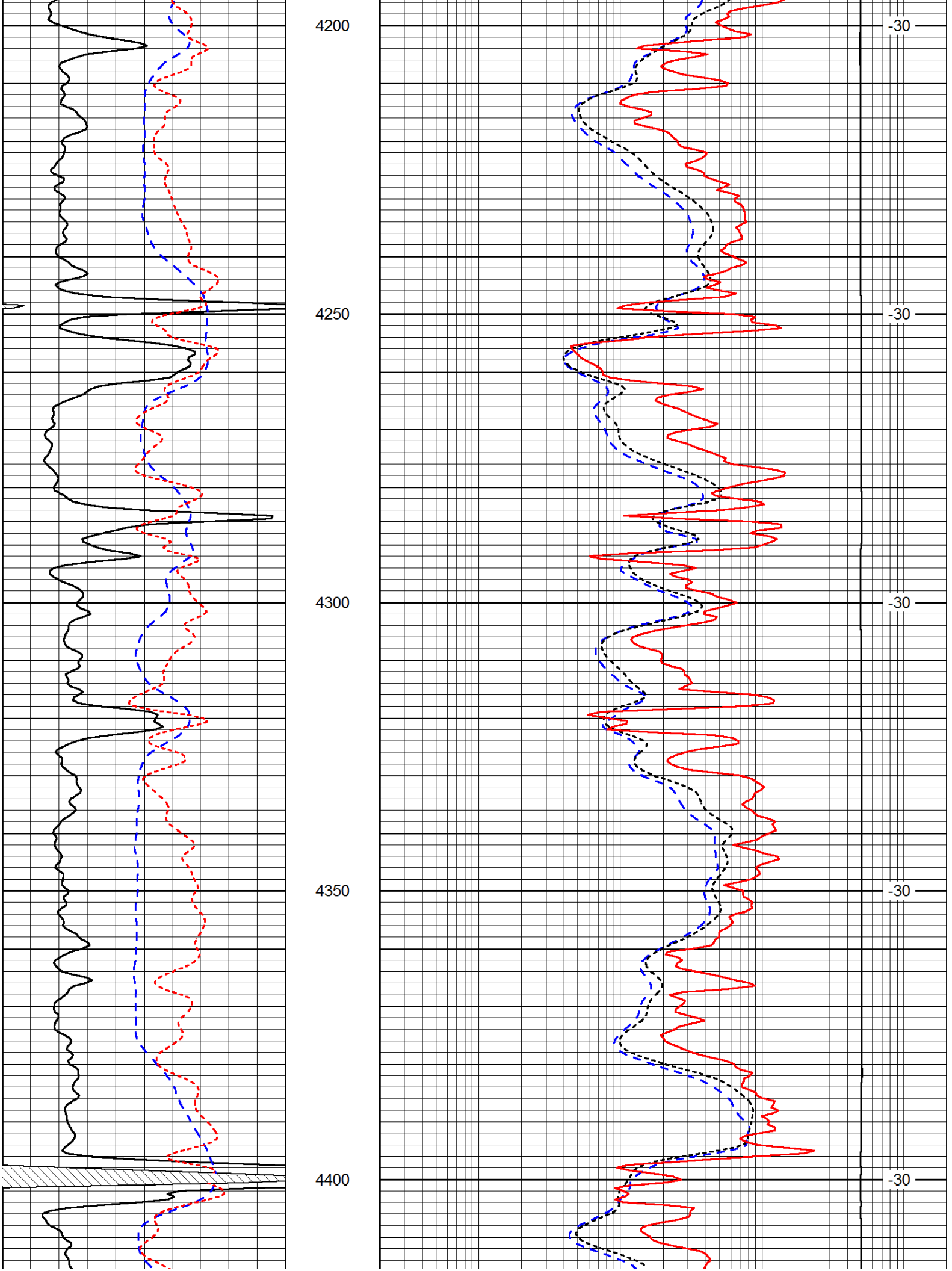

4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850
-30
-30
-30
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-29
-29
-29
-29

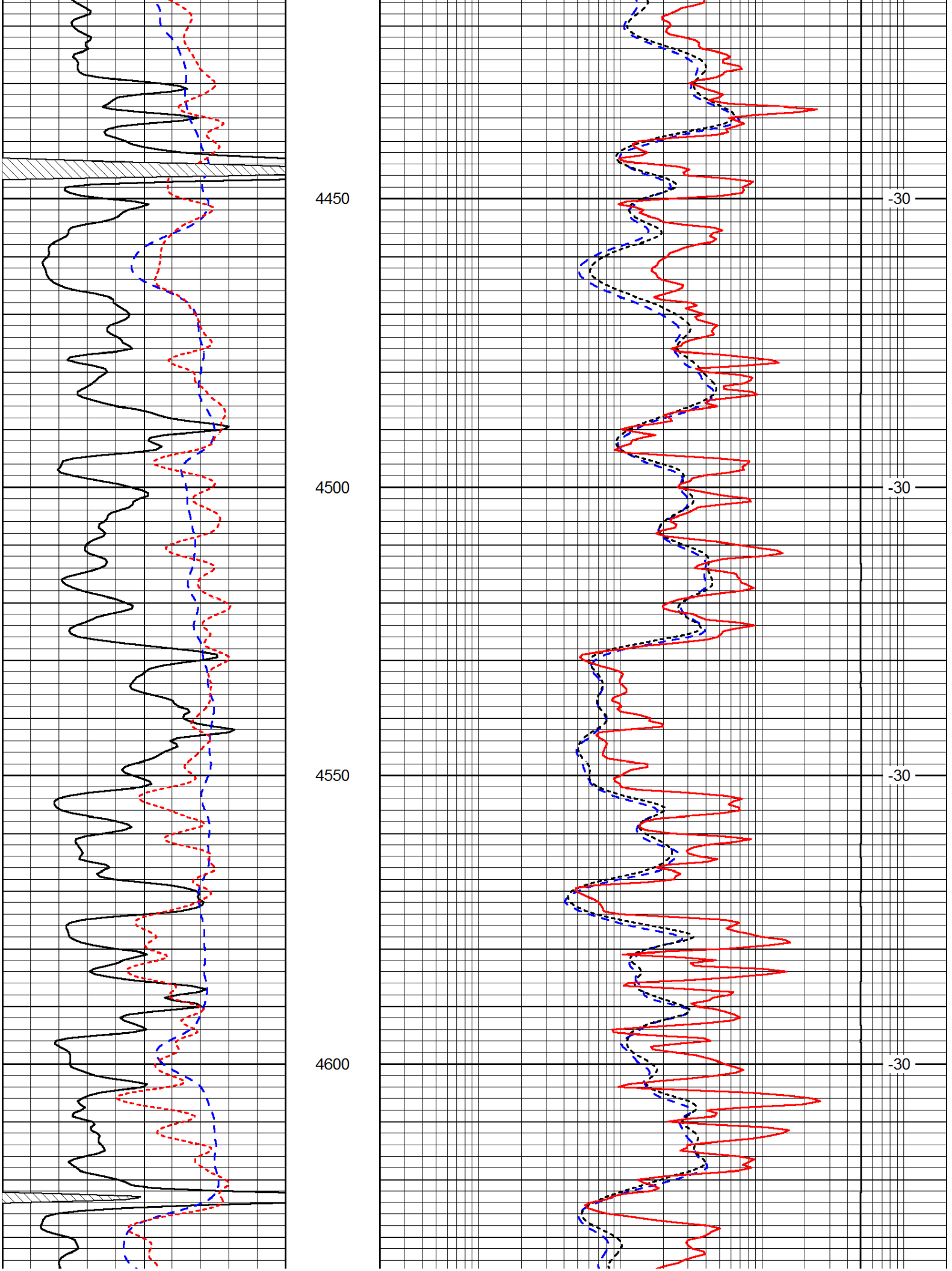


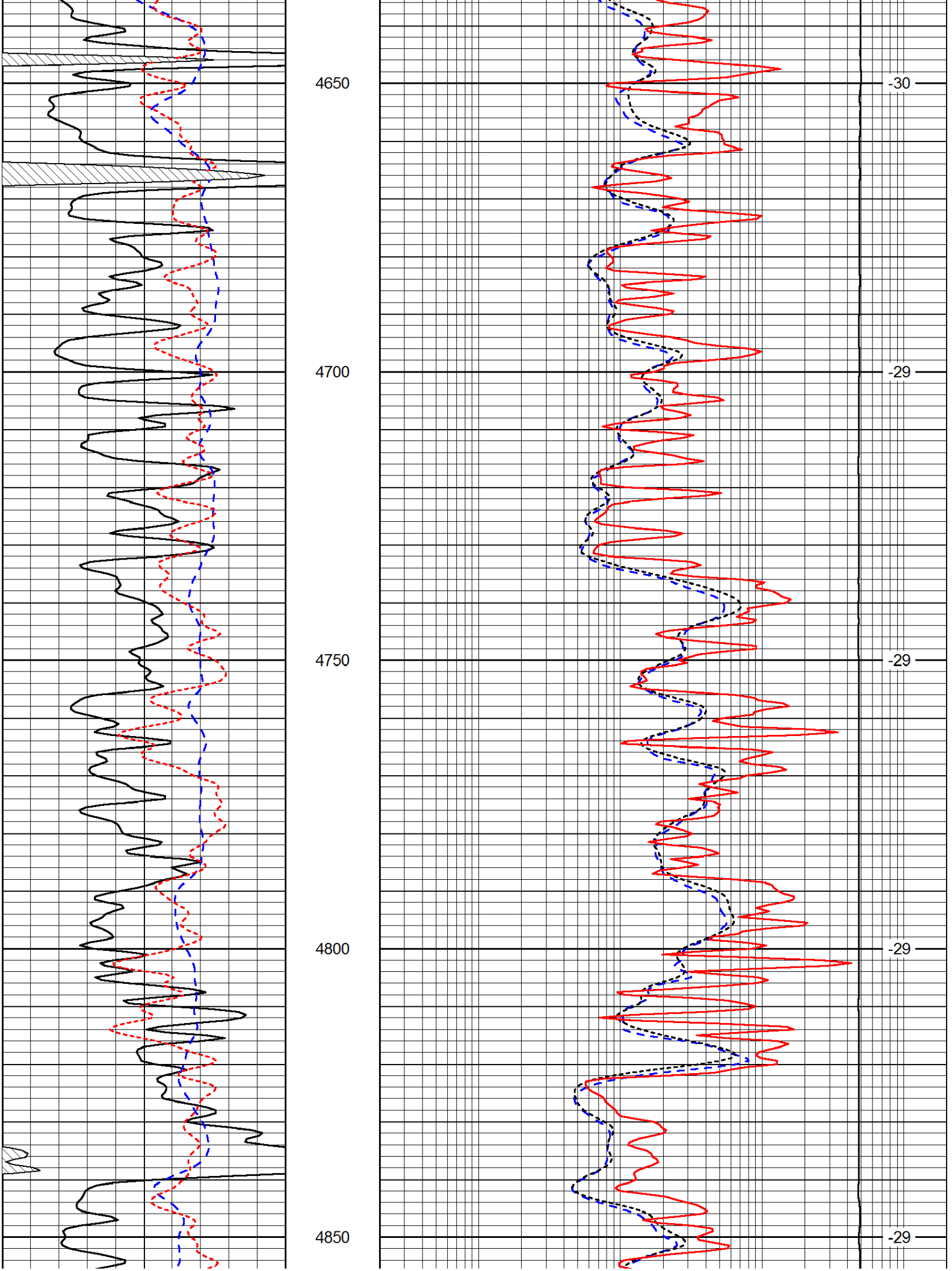
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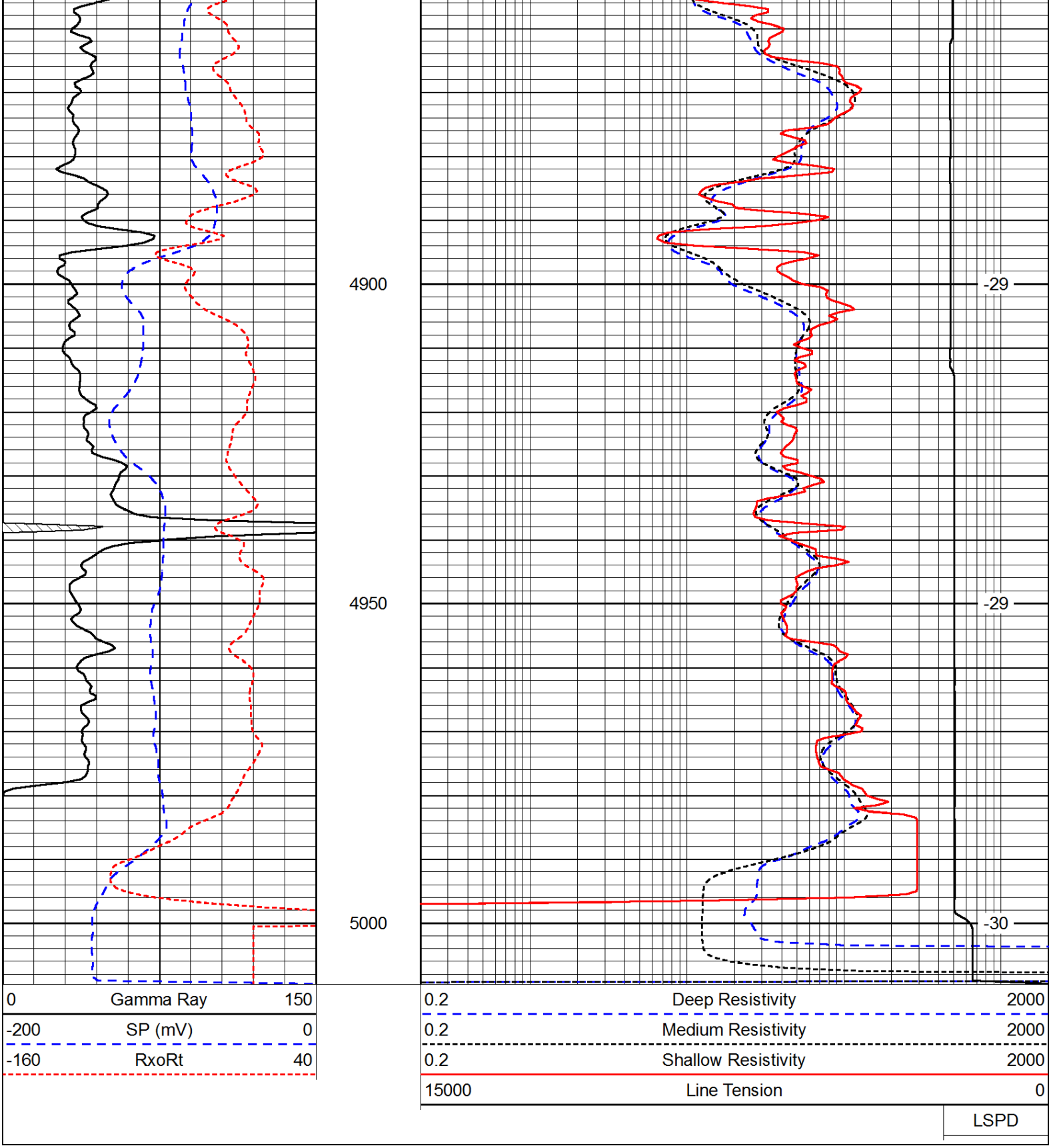



4000
4050
4100
4150
-31
-31
-30
-30


4200
4250
4300
4350
4400
-30
-30
-30
-30
-30


4450
4500
4550
4600
-30
-30
-30
-30


4650
4700
4750
4800
4850
-30
-29
-29
-29
-29



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