LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Induction Log

API No. 15-007-23874-00-00

Company Chieftain Oil Co. Inc.

Well Blick #2

Field McGuire-Goemann

County Barber State Kansas

Location NW SE SE SW
340' FSL / 2300' FWL

Sec: 4 Twp: 33S Rge: 10W

Permanent Datum Ground Level Elevation 1494

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Other Services
CNL / CDL

Elevation
K.B. 1502
D.F.
G.L. 1494

Date	5/14/2012				
Run Number	One				
Depth Driller	5109				
Depth Logger	5112				
Bottom Logged Interval	5111				
Top Log Interval	300				
Casing Driller	8.625 @ 307				
Casing Logger	309				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity,ppm CL	7000				
Density / Viscosity	9.1 48				
pH / Fluid Loss	9.5 10.4				
Source of Sample	Flowline				
Rm @ Meas. Temp	0.16 @ 72				
Rmf @ Meas. Temp	0.12 @ 72				
Rmc @ Meas. Temp	0.22 @ 72				
Source of Rmf / Rmc	Charts				
Rm @ BHT	0.09 @ 127				
Operating Rig Time	4 Hours				
Max Rec. Temp. F	127				
Equipment Number	15				
Location	Hays				
Recorded By	R. Barnhart				
Witnessed By	David A. Barker				

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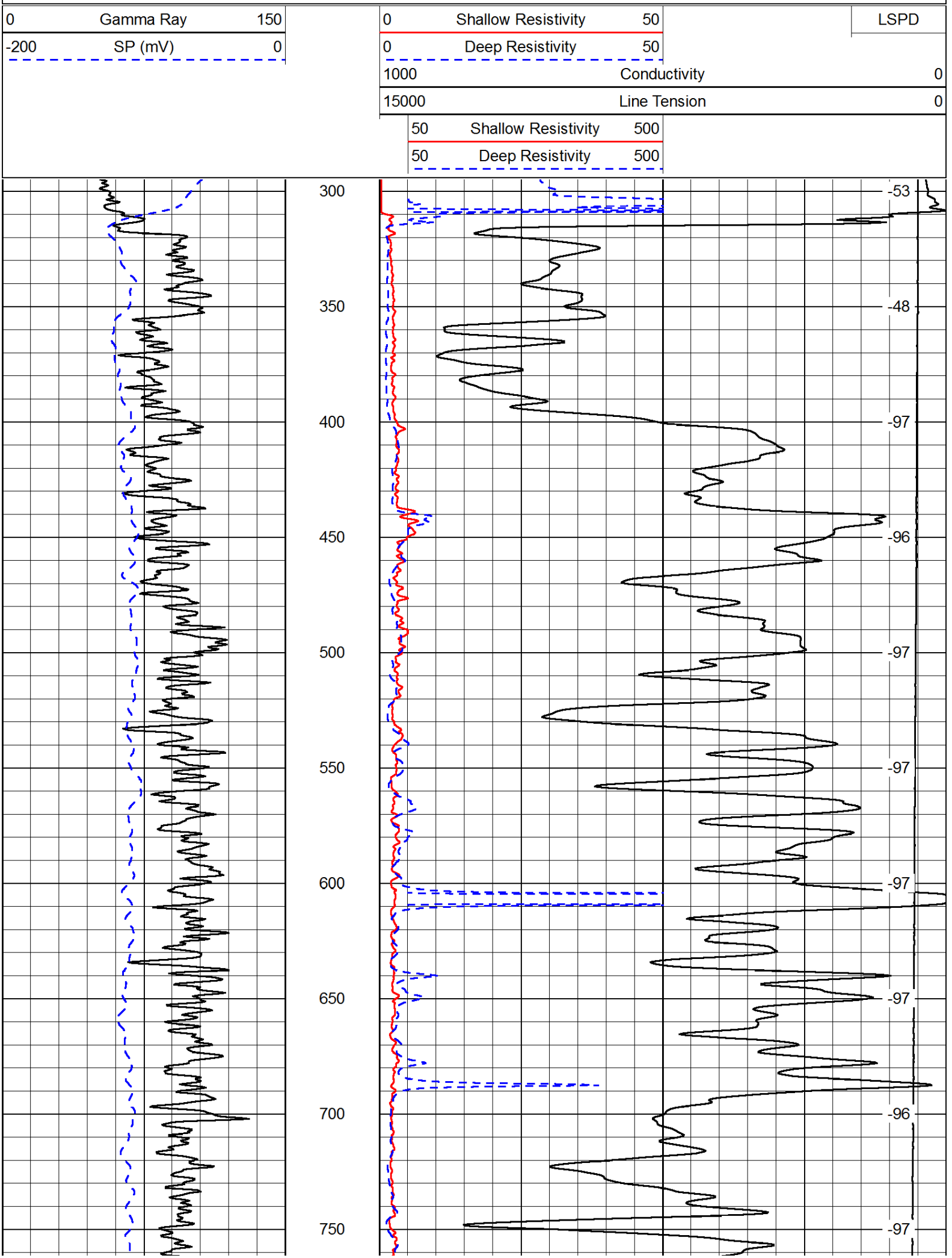
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

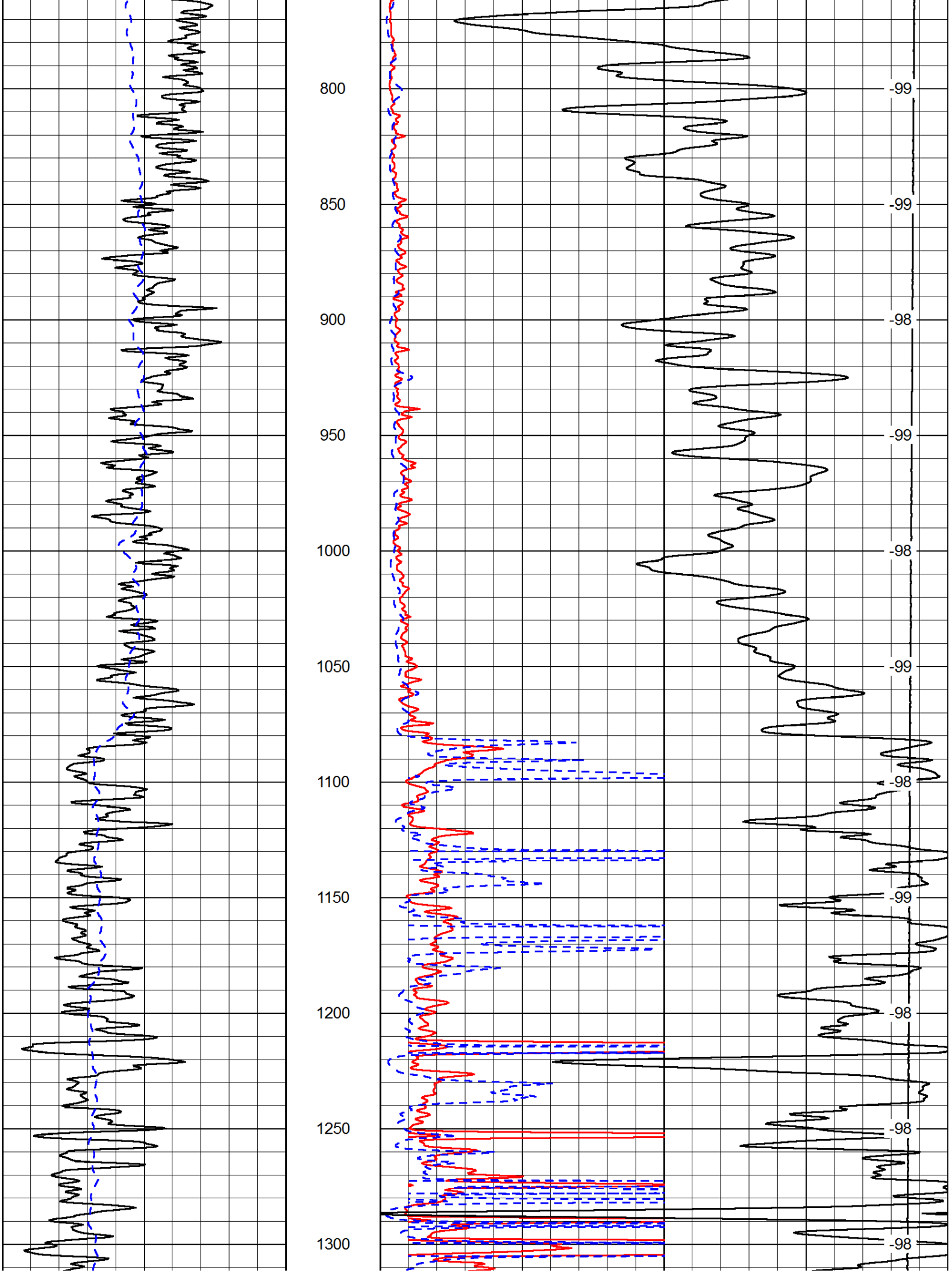
Comments

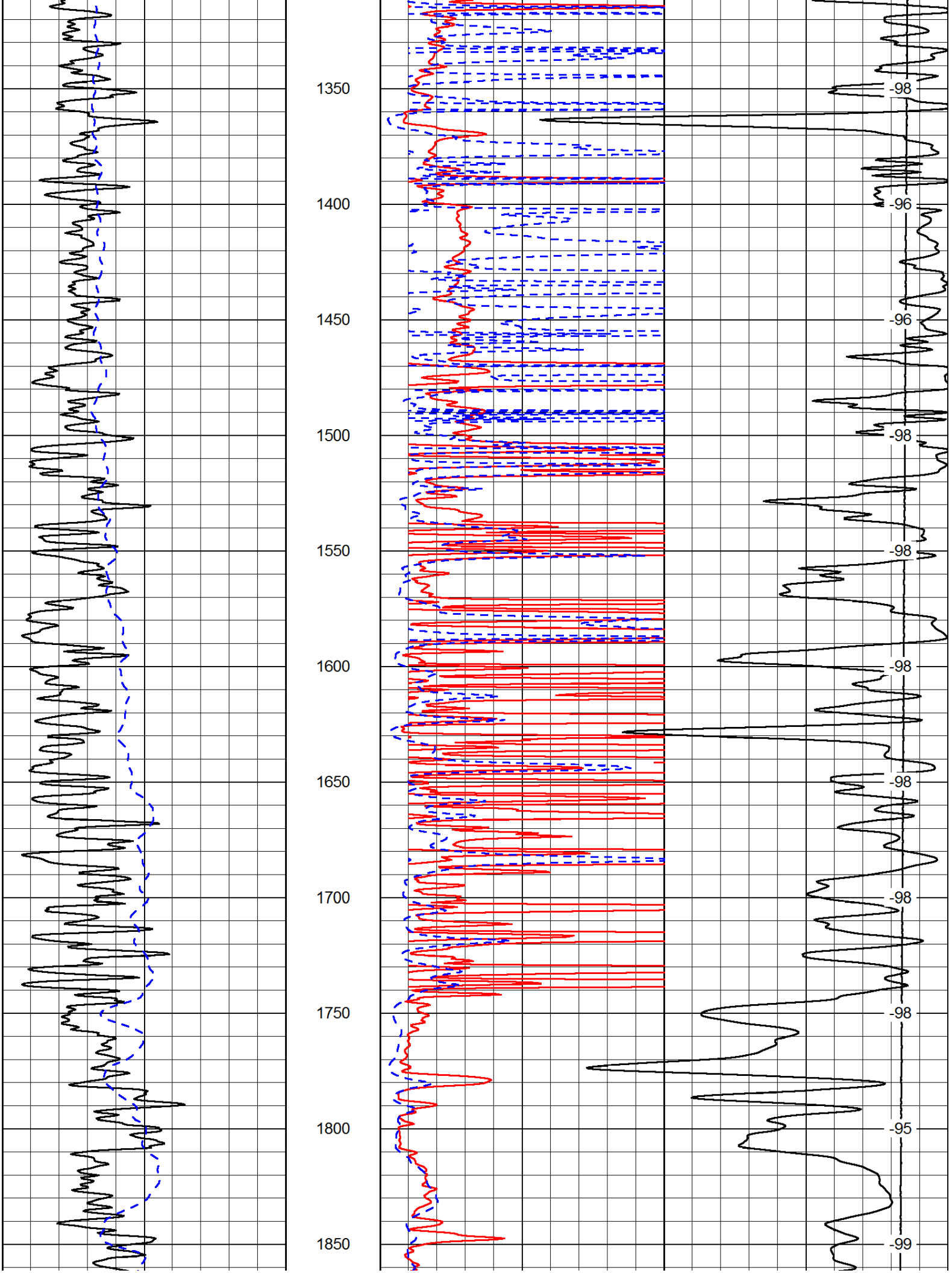
Thank you for using Log-Tech, Inc.
(785) 625-3858

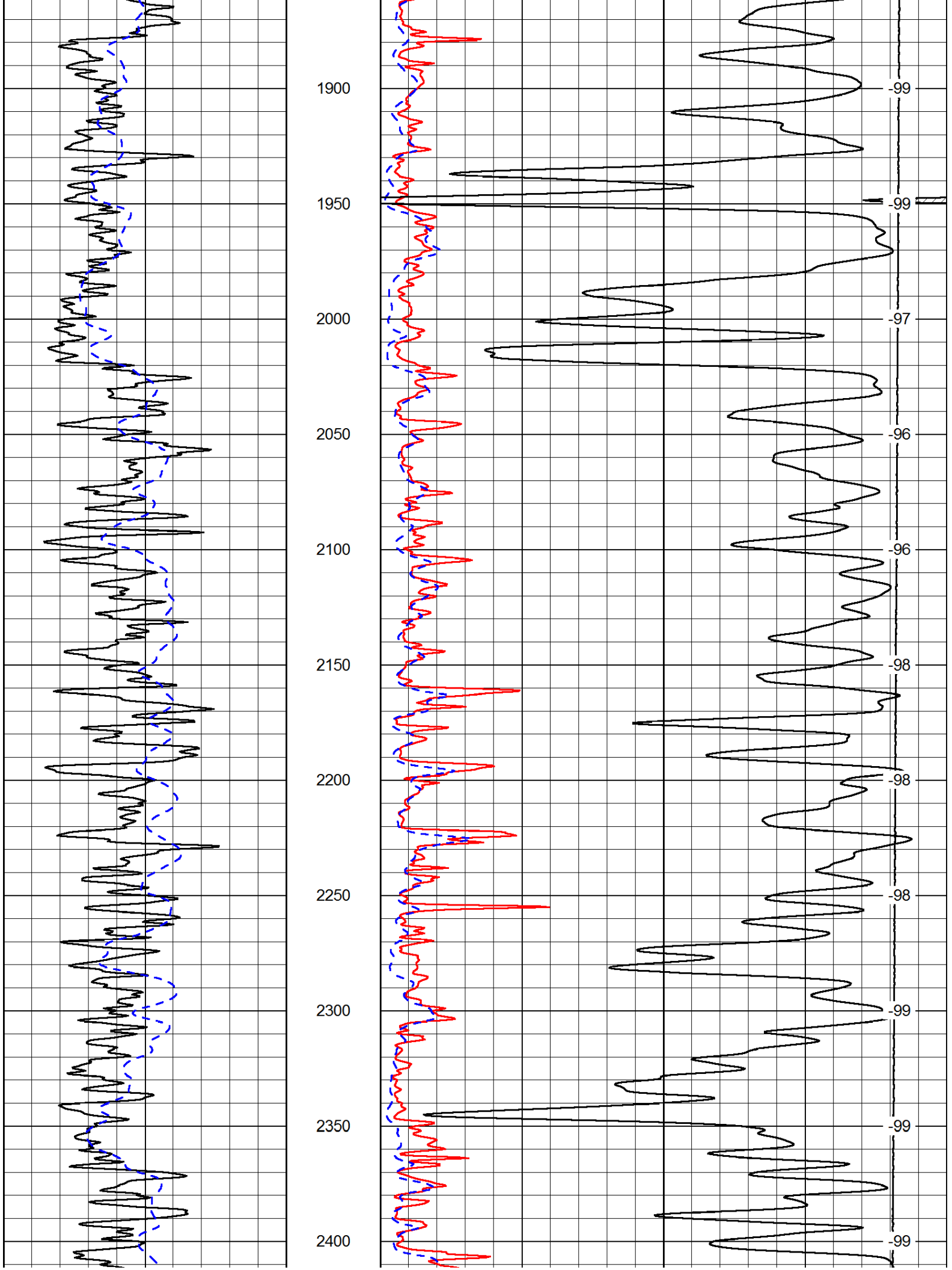
Sharon, KS:
Tri-City Blktop: 3S
1/2W, N into

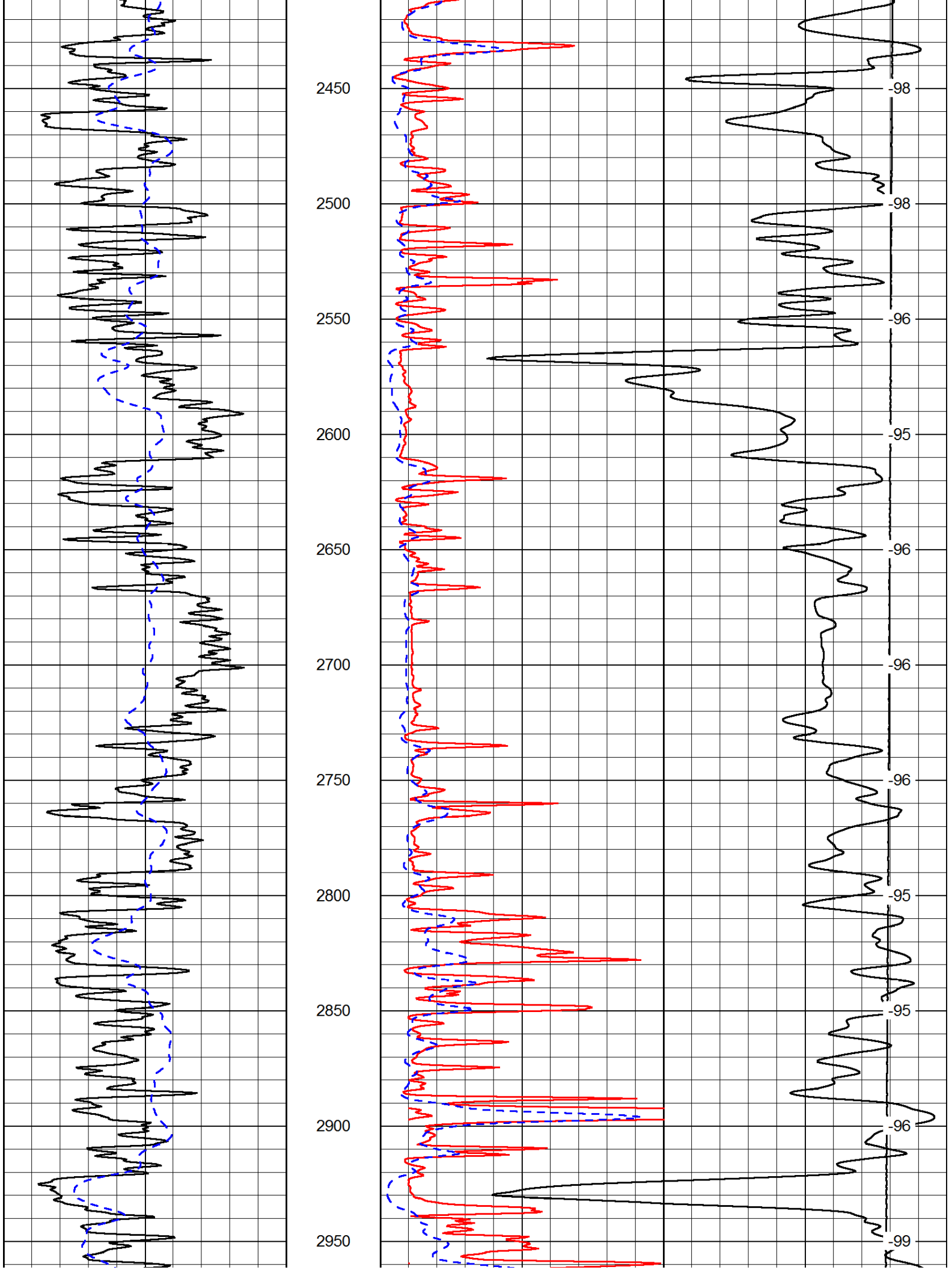
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Presentation Format:	dil2in
Dataset Creation:	Mon May 14 06:57:18 2012
Charted by:	Depth in Feet scaled 1:600

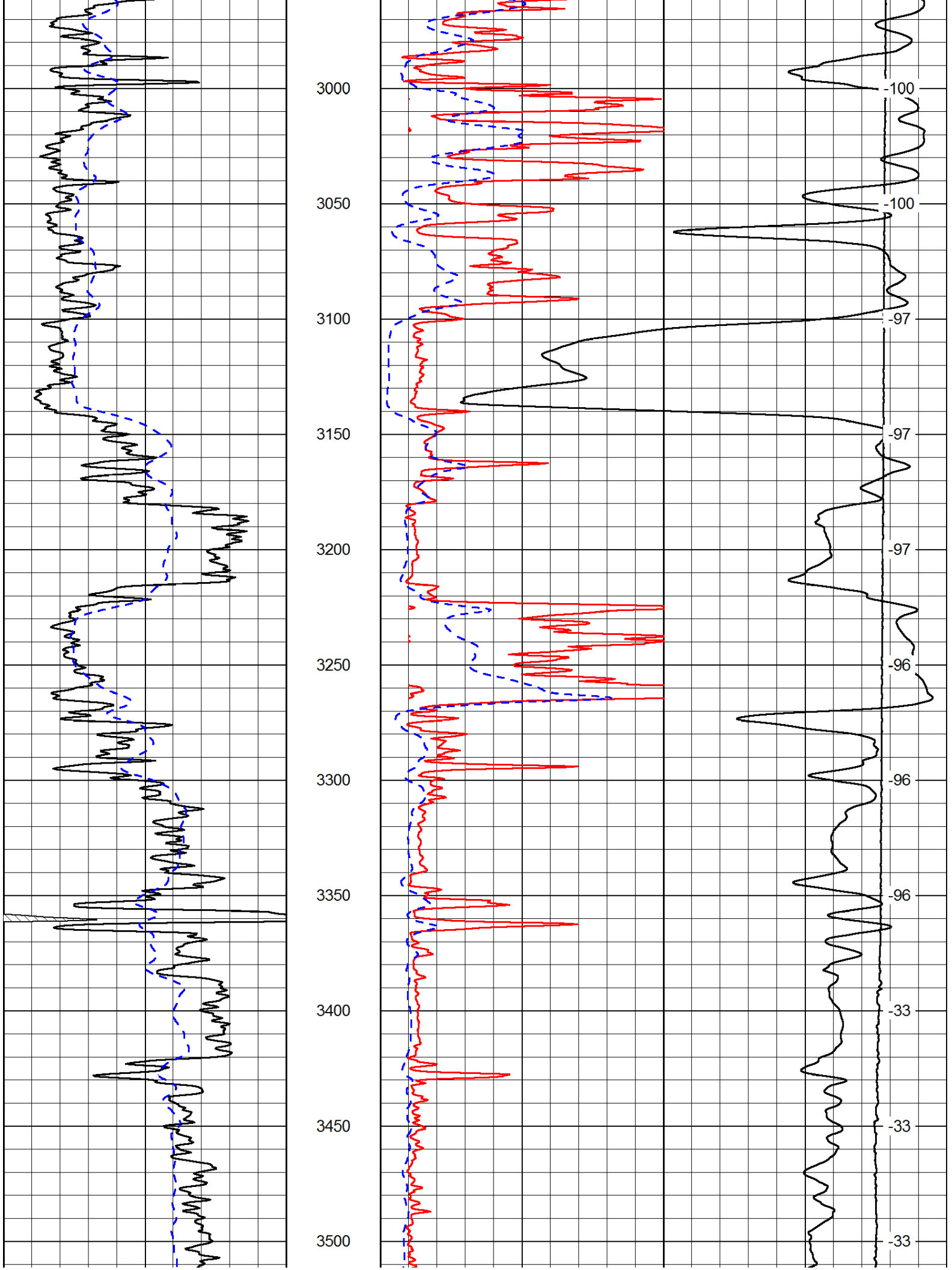

0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
LSPD
50 Shallow Resistivity 500
50 Deep Resistivity 500
300
350
400
450
500
550
600
650
700
750
-53
-48
-97
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-97
-97
-96
-97

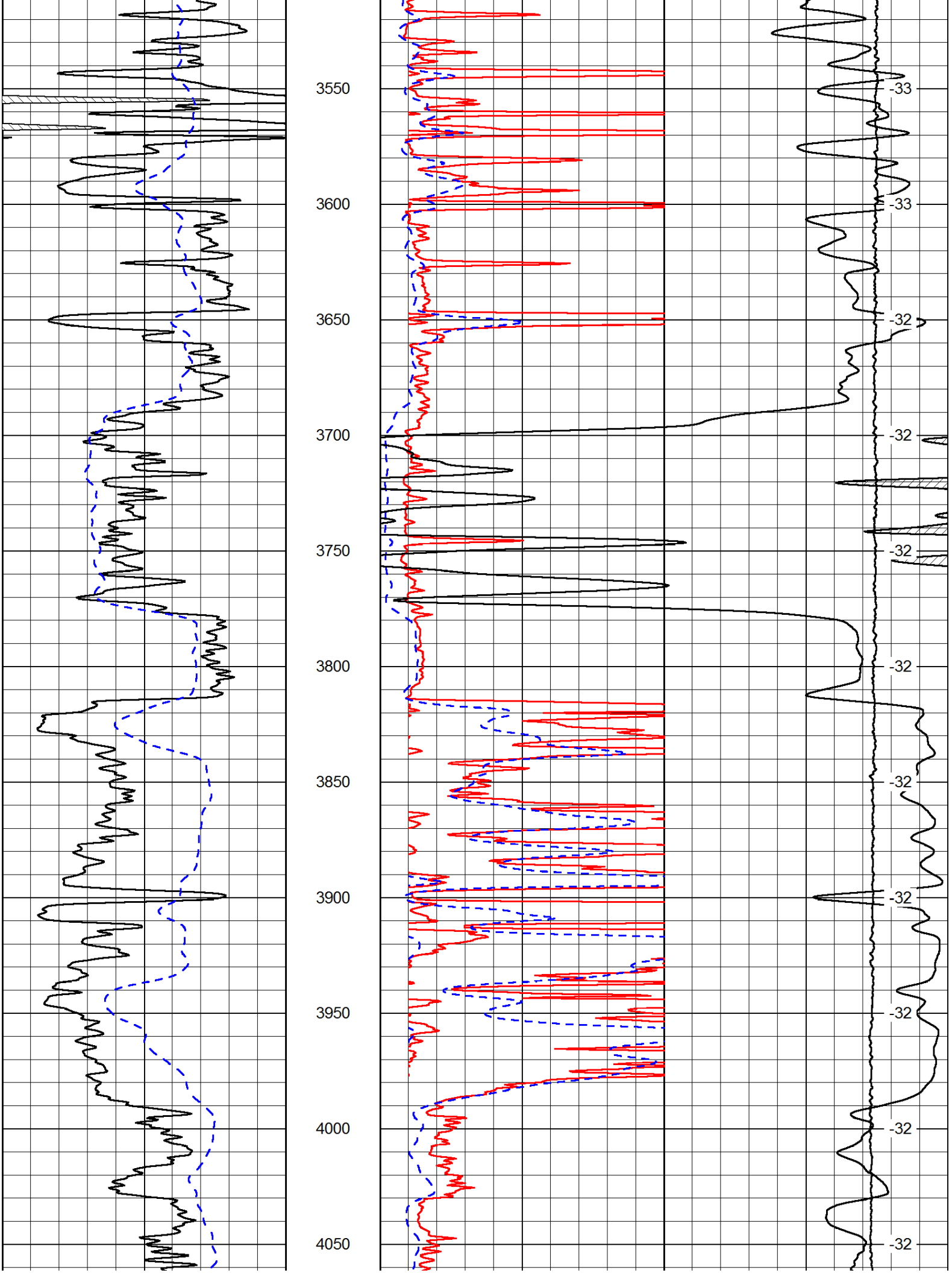

800
850
900
950
1000
1050
1100
1150
1200
1250
1300
-99
-99
-98
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-98
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-98
-99
-98
-98

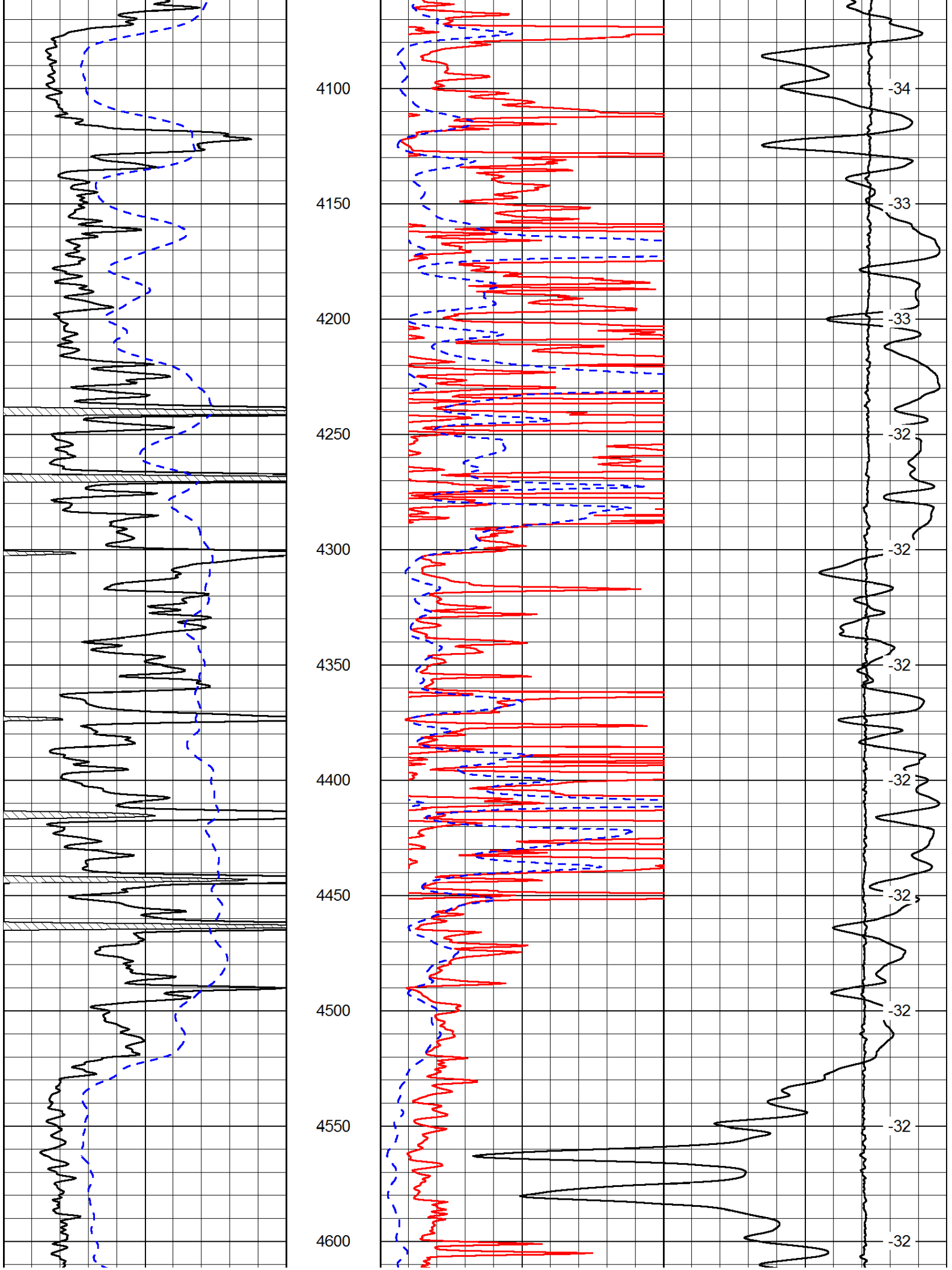

1350
1400
1450
1500
1550
1600
1650
1700
1750
1800
1850
-98
-96
-96
-98
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-98
-98
-95
-99

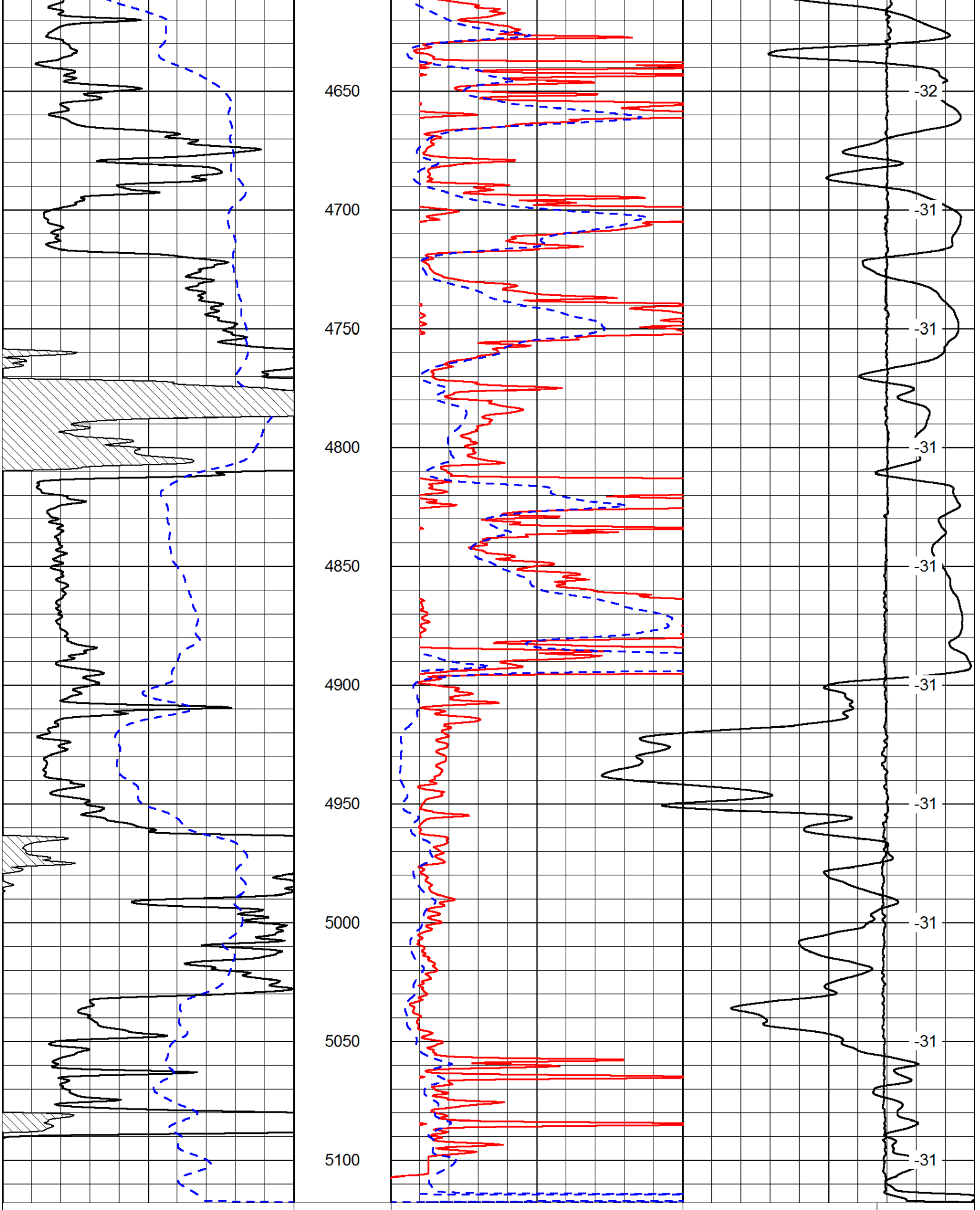

1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
2400
-99
-99
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-96
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-98
-98
-99
-99
-99


2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
-98
-98
-96
-95
-96
-96
-96
-95
-95
-96
-99


3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
-100
-100
-97
-97
-97
-96
-96
-96
-33
-33
-33


3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
-33
-33
-32
-32
-32
-32
-32
-32
-32
-32
-32


4100
4150
4200
4250
4300
4350
4400
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-33
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-32
-32
-32
-32
-32


4650
4700
4750
4800
4850
4900
4950
5000
5050
5100
-32
-31
-31
-31
-31
-31
-31
-31
-31
-31
0
Gamma Ray
150
-200
SP (mV)
0
0
Shallow Resistivity
50
0
Deep Resistivity
50
1000
Conductivity
0
15000
Line Tension
0
LSPD

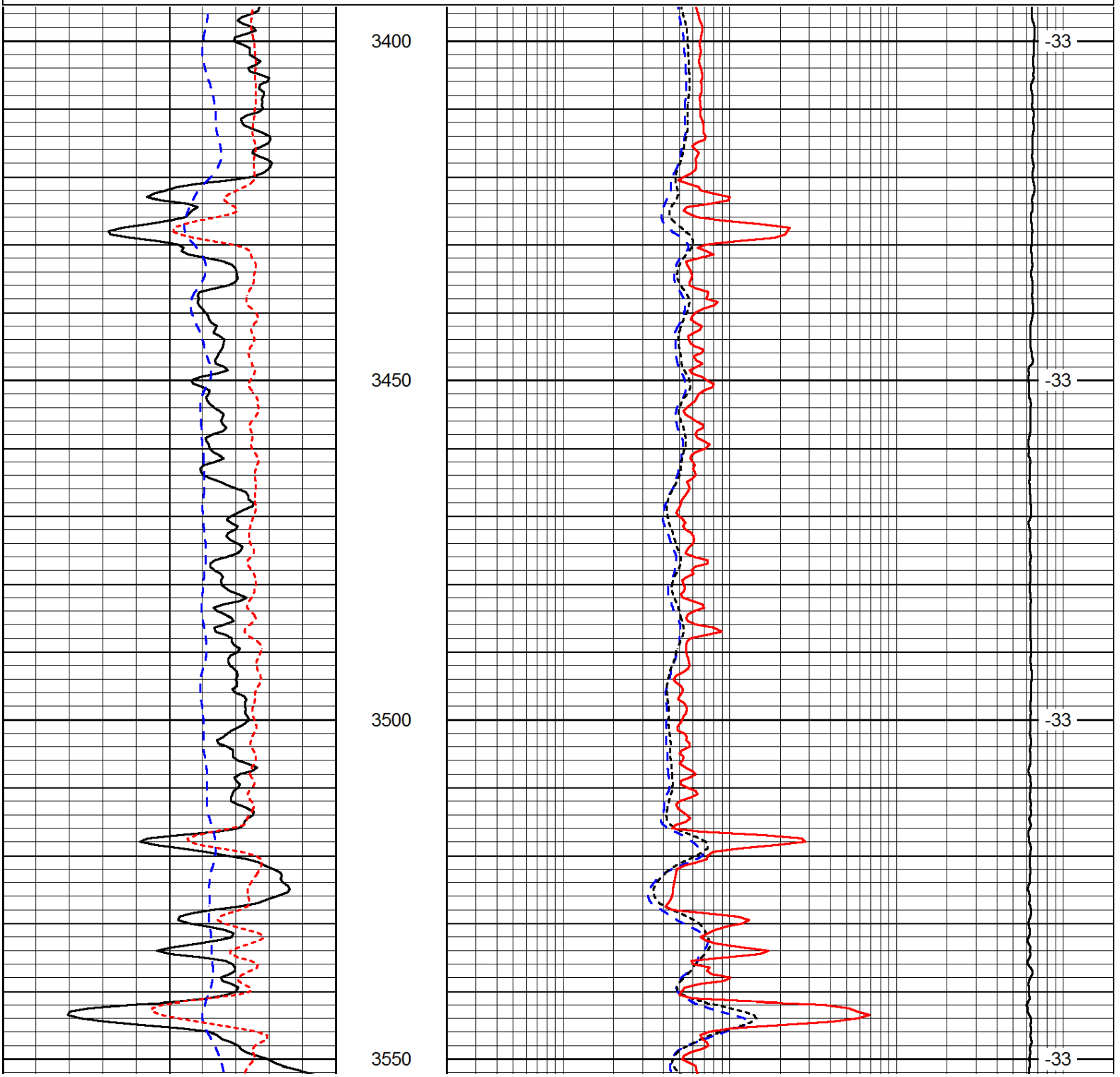
50	Shallow Resistivity	500
50	Deep Resistivity	500

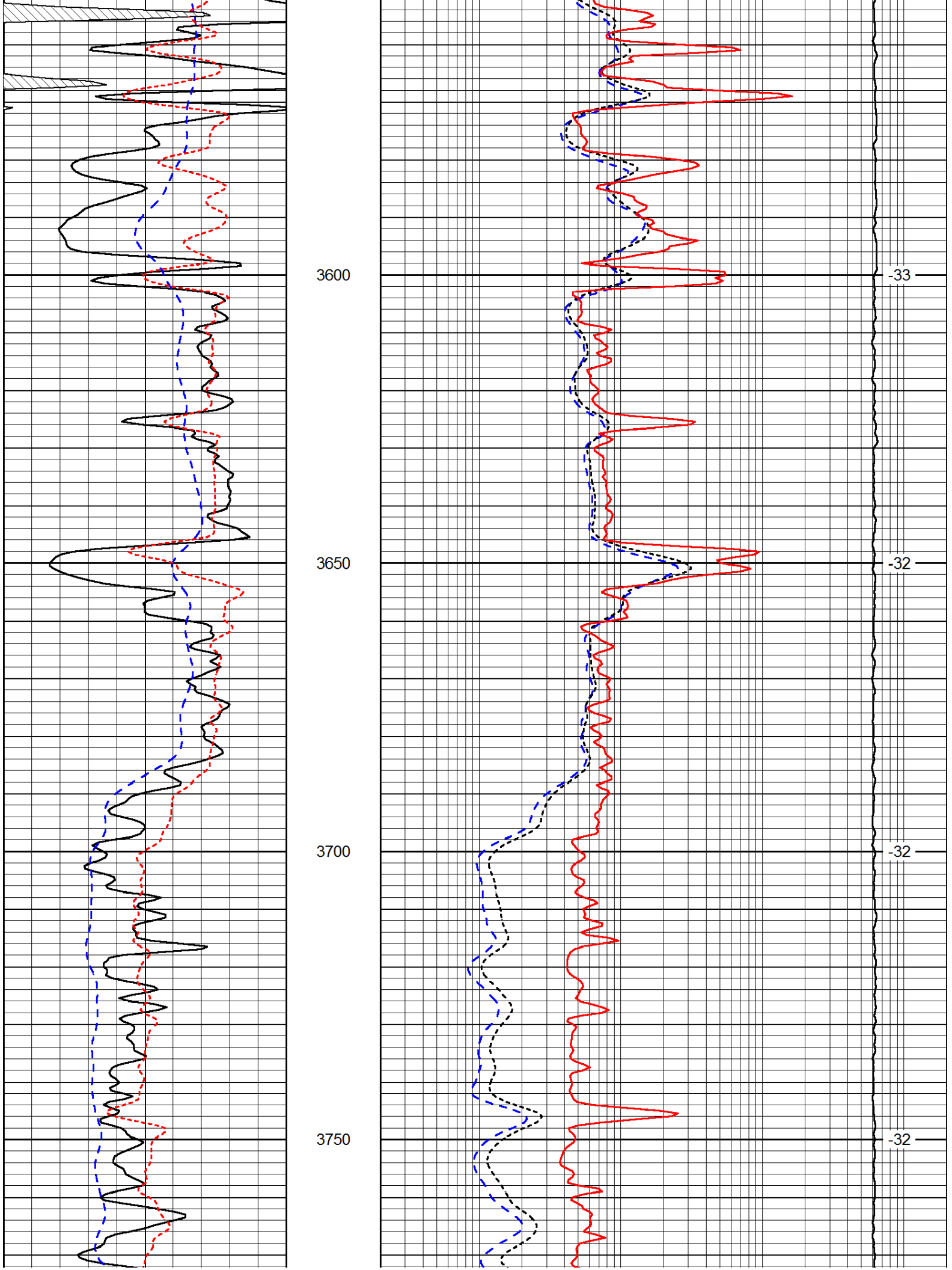
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Presentation Format:	dil
Dataset Creation:	Mon May 14 06:57:18 2012
Charted by:	Depth in Feet scaled 1:240

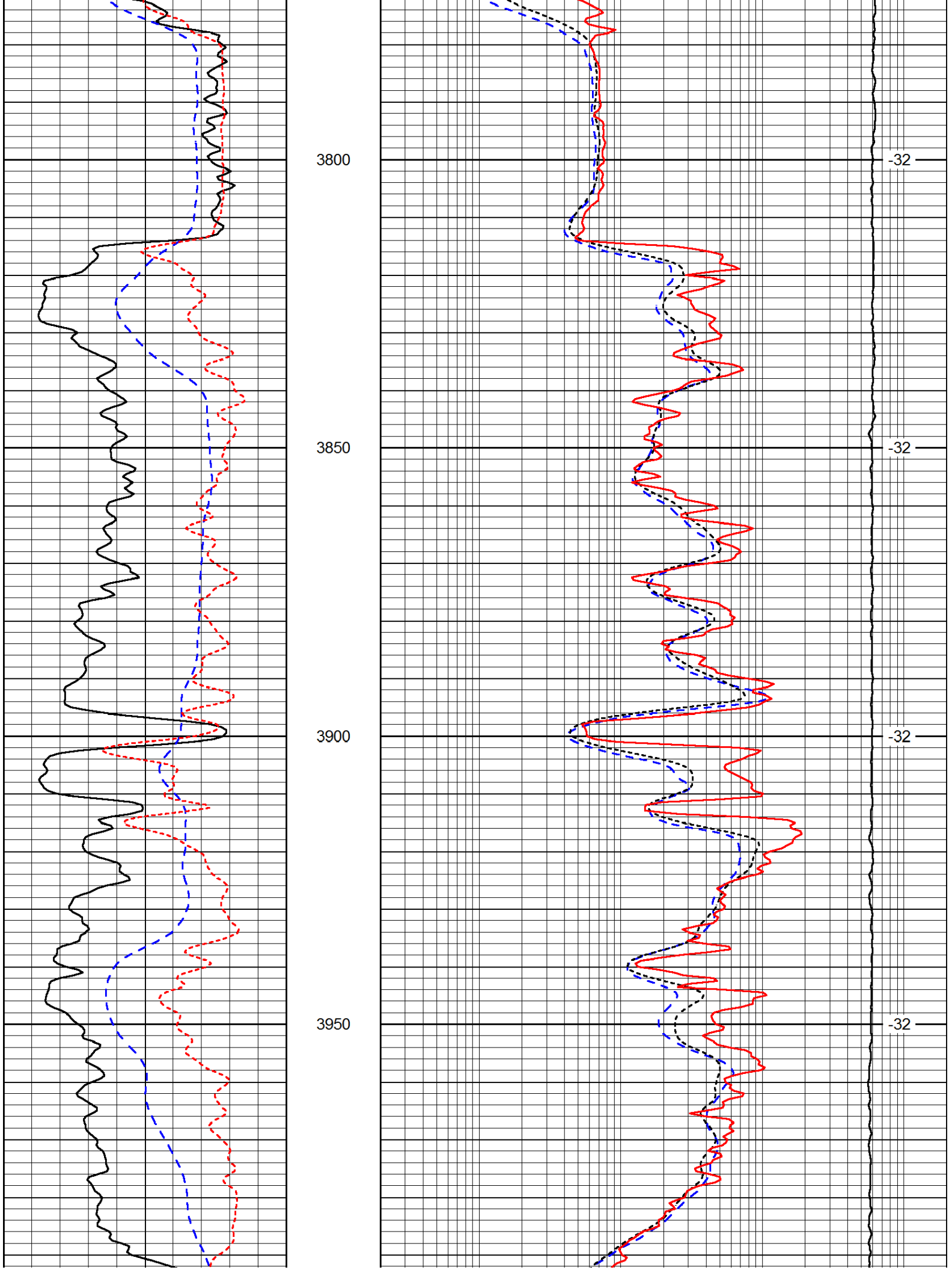
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-200	SP (mV)	0
-160	Rxo / Rt	40

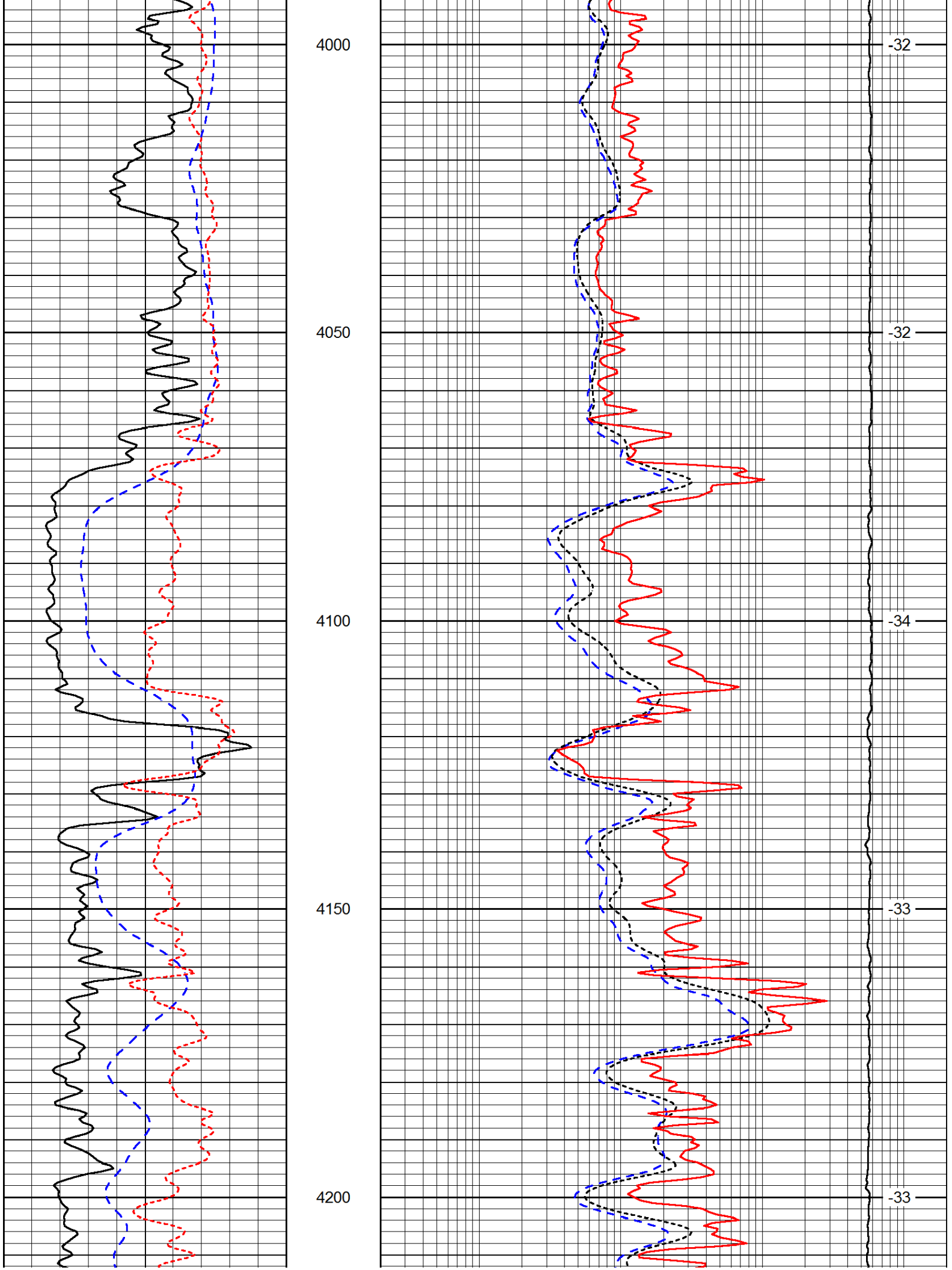
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

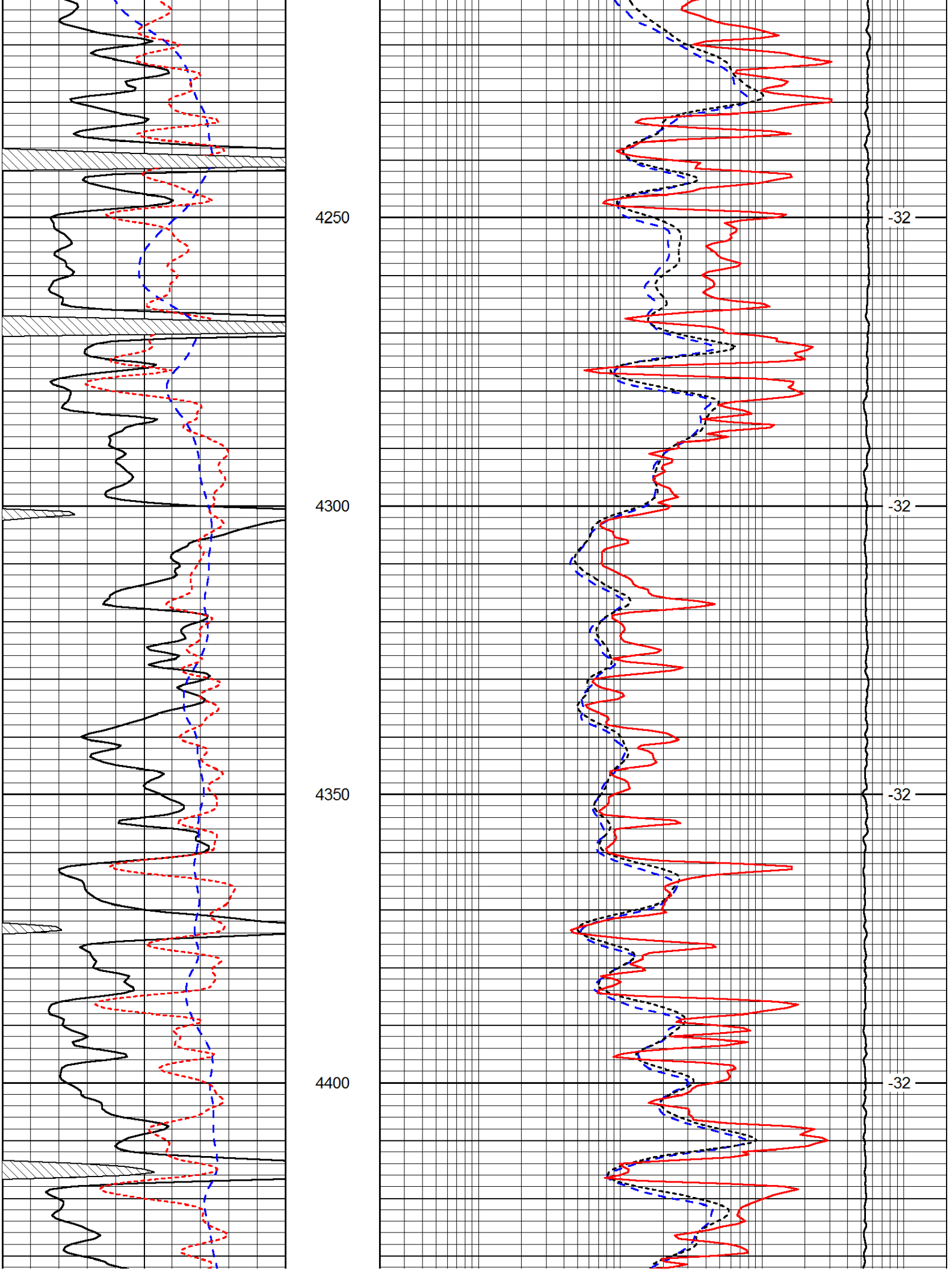
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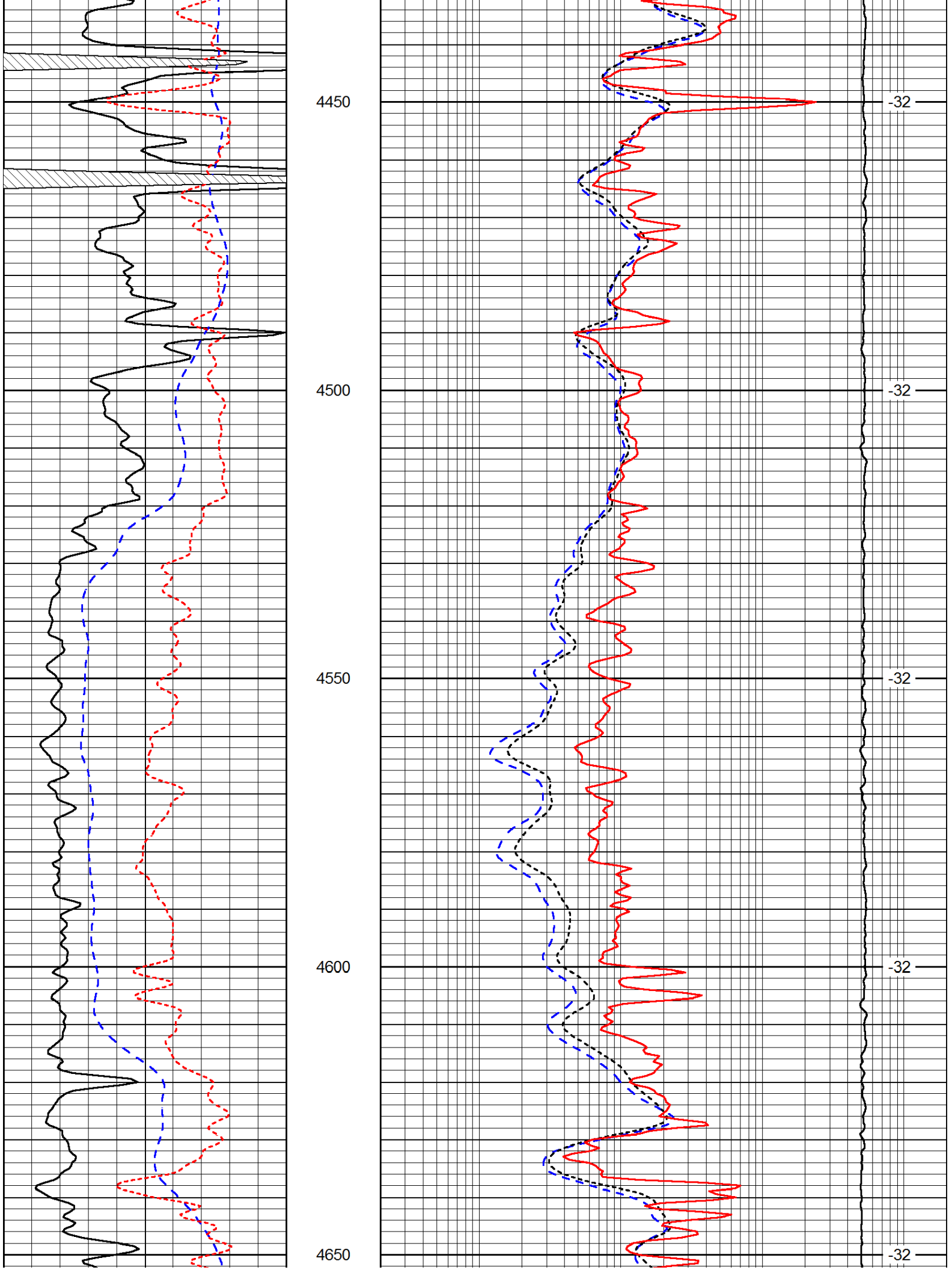


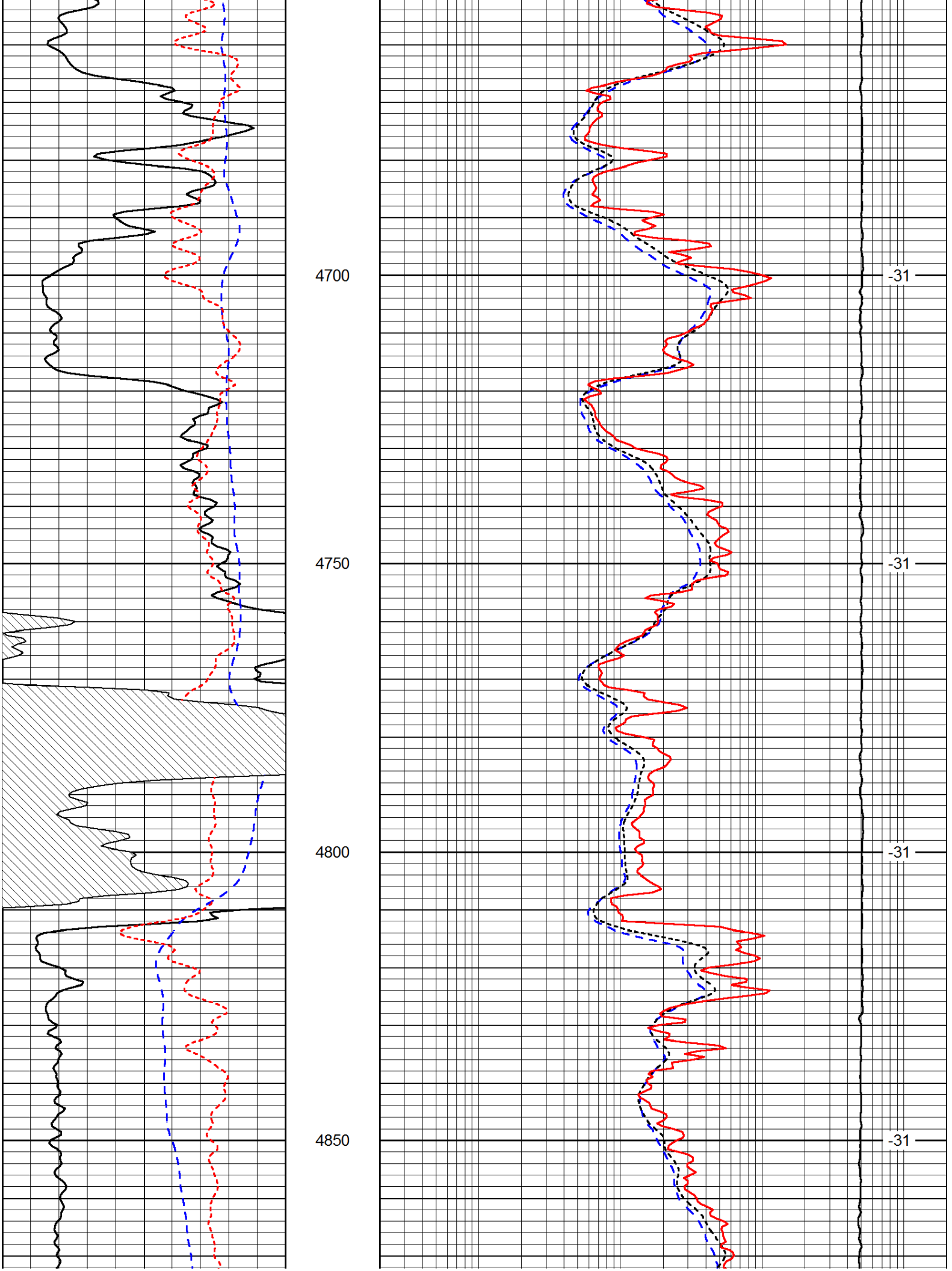

3600
3650
3700
3750
-33
-32
-32
-32

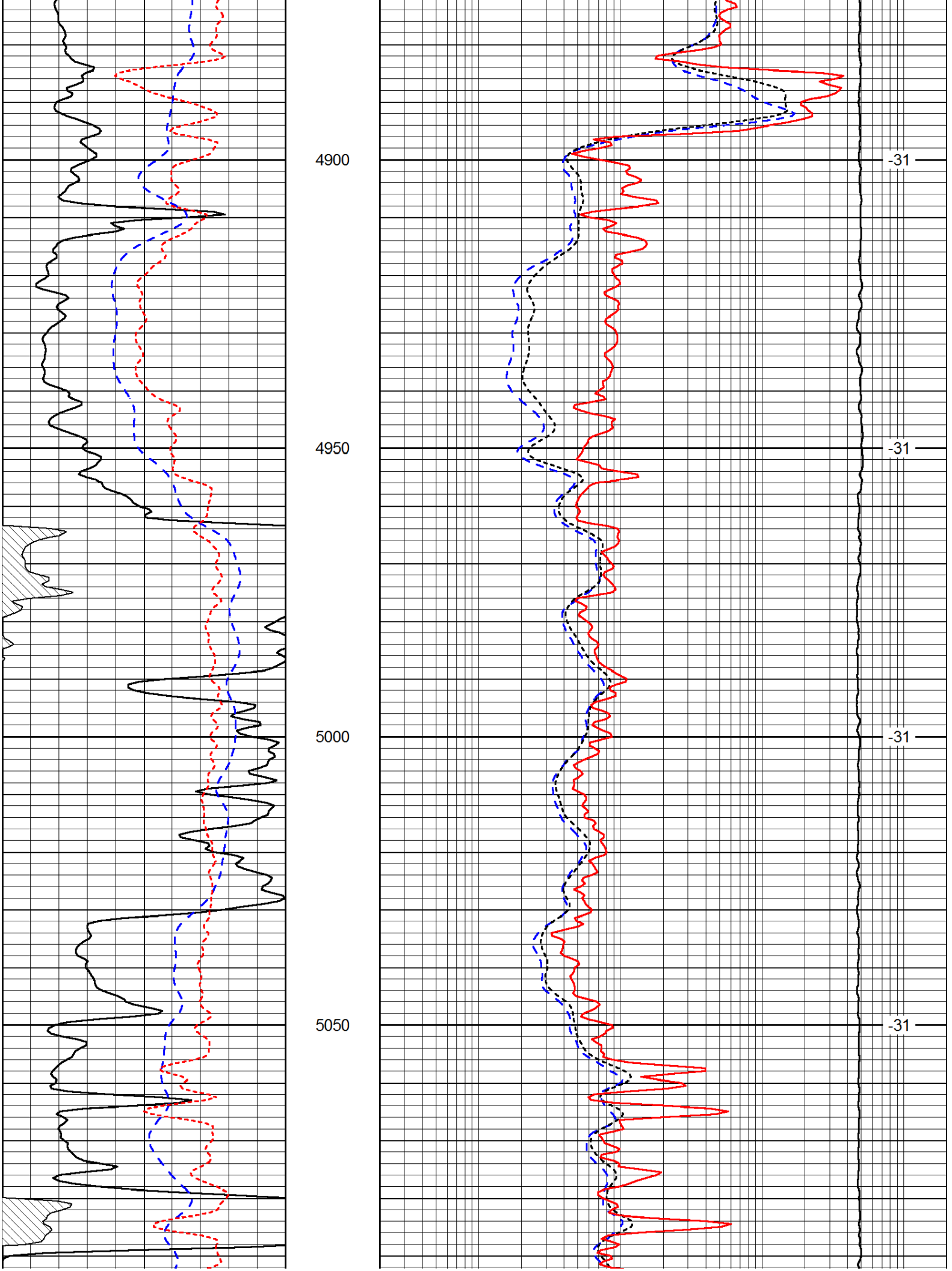

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3950
-32
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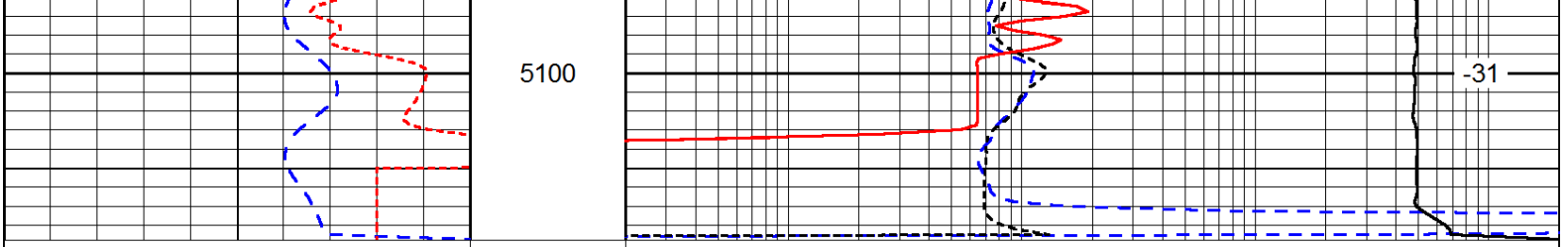

4000
4050
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4200
-32
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-33


4250
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4350
4400
-32
-32
-32
-32


4450
4500
4550
4600
4650
-32
-32
-32
-32
-32


4700
4750
4800
4850
-31
-31
-31
-31


4900
4950
5000
5050
-31
-31
-31
-31



0	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

LSPD