Pioneer Energy Services

Dual Induction Log

API No. 15-135-25461-00-00

Company	Robert F. Hembree		
Well	Petersilie #3		
Field	Petersilie Northeast		
County	Ness	State	Kansas

Location: 1628' FSL & 330' FEL

Sec: 12 Twp: 20S Rge: 24W

Other Services: CNL/CDL, MEL

Permanent Datum: Ground Level — Elevation 2323
Log Measured From: Kelly Bushing — 7 Ft. Above Perm. Datum
Drilling Measured From: Kellyl Bushing

Elevation: K.B. 2330, D.F., G.L. 2323

Date	10/1/2012		
Run Number	One		
Depth Driller	4424		
Depth Logger	4422		
Bottom Logged Interval	4421		
Top Log Interval	200		
Casing Driller	8.625 @ 217		
Casing Logger	217		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	3300		
Density / Viscosity	9.3 / 48		
pH / Fluid Loss	10.0 / 9.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.85 @ 70		
Rmf @ Meas. Temp	0.64 @ 70		
Rmc @ Meas. Temp	1.15 @ 70		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.49 @ 122		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	122		
Equipment Number	91		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Kurt Talbott		

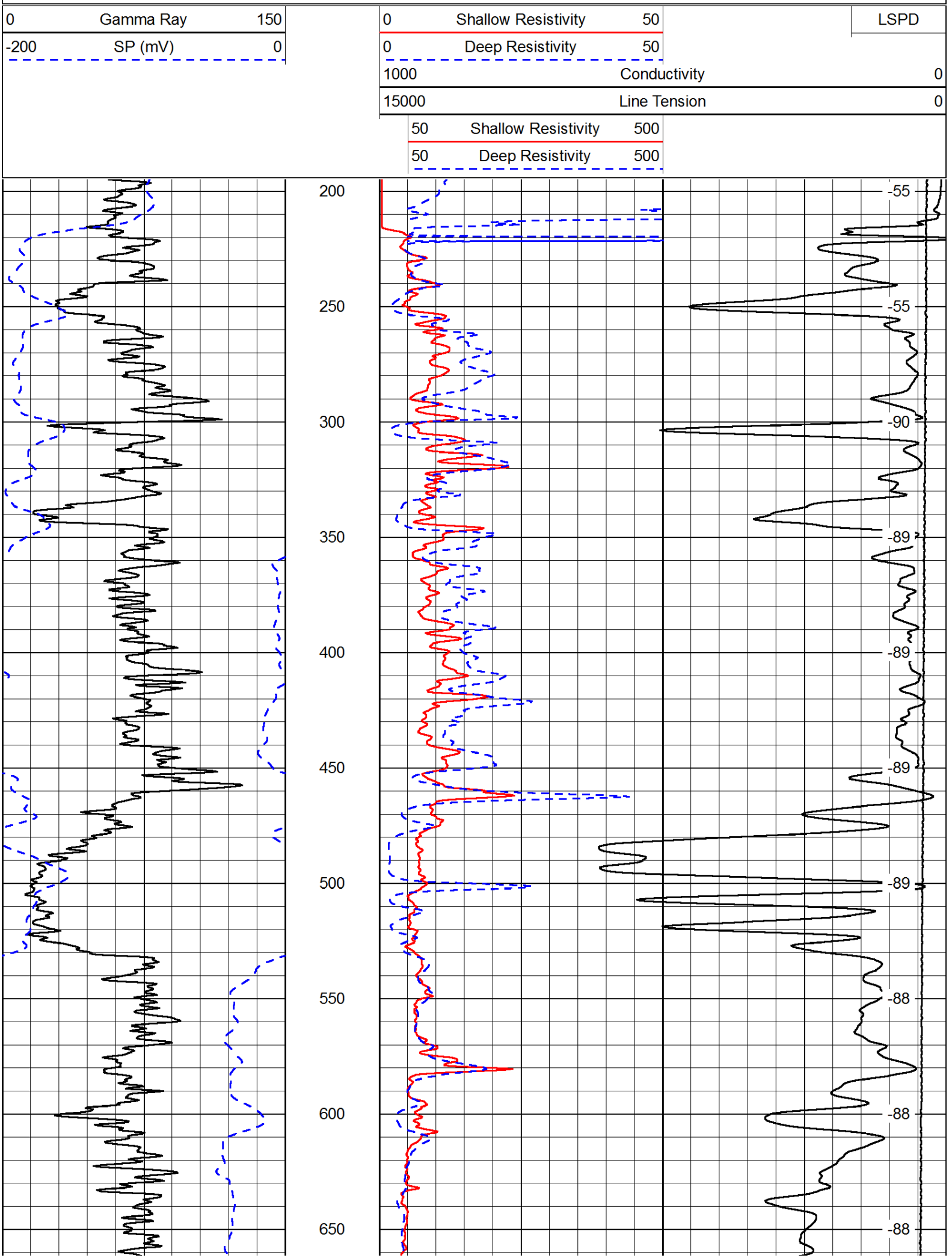
<<< Fold Here >>>

Comments

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

Ness City,
9 South to 40 Rd, 1 West to R Rd,
1/4 North, West into

Database File: c:\warrior\data\hembree_petersilie #3\hembree_100112hd.db
Dataset Pathname: dil/hemstack
Presentation Format: dil2in
Dataset Creation: Tue Oct 02 00:48:51 2012
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
200
250
300
350
400
450
500
550
600
650
-55
-55
-90
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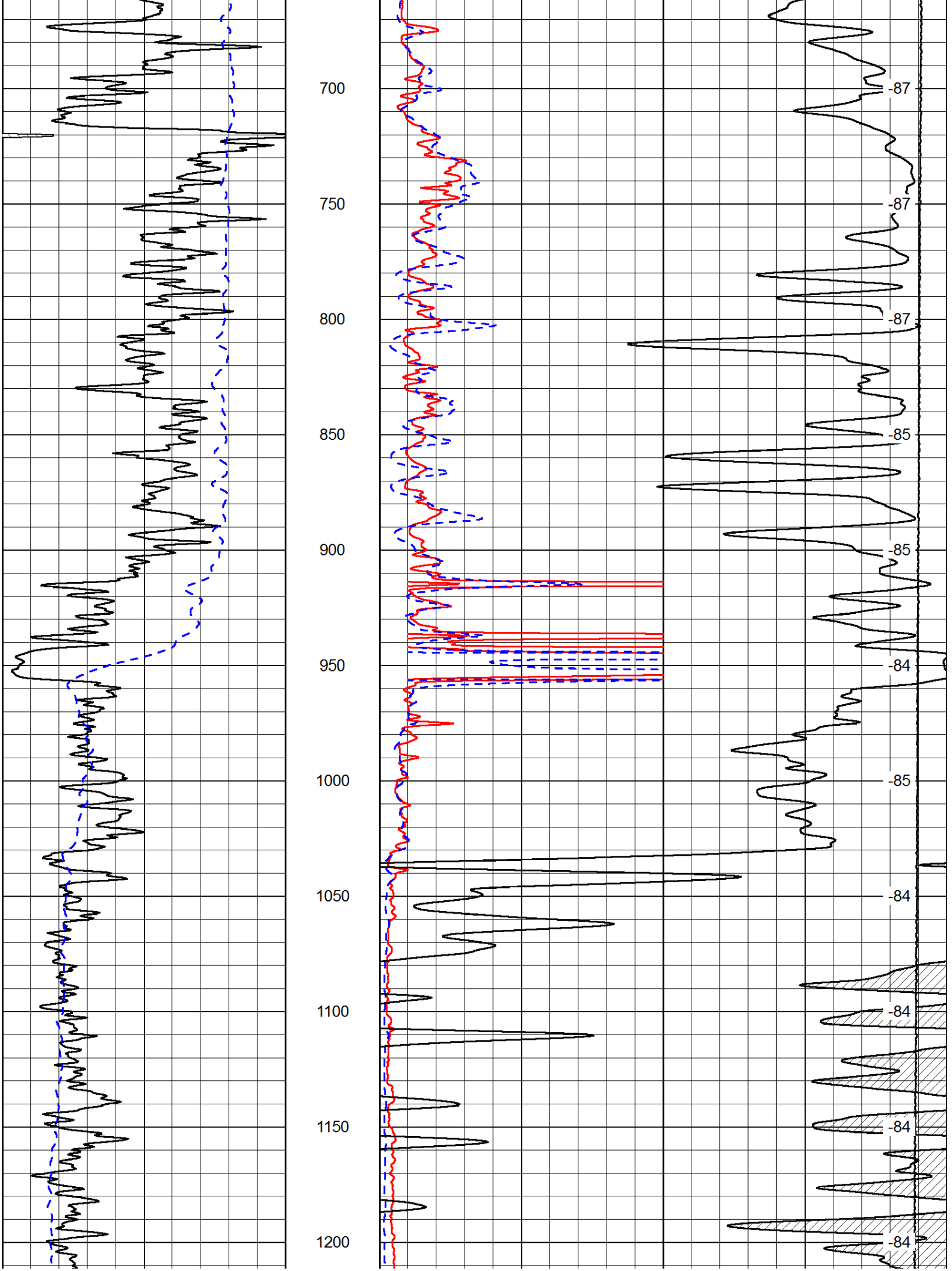
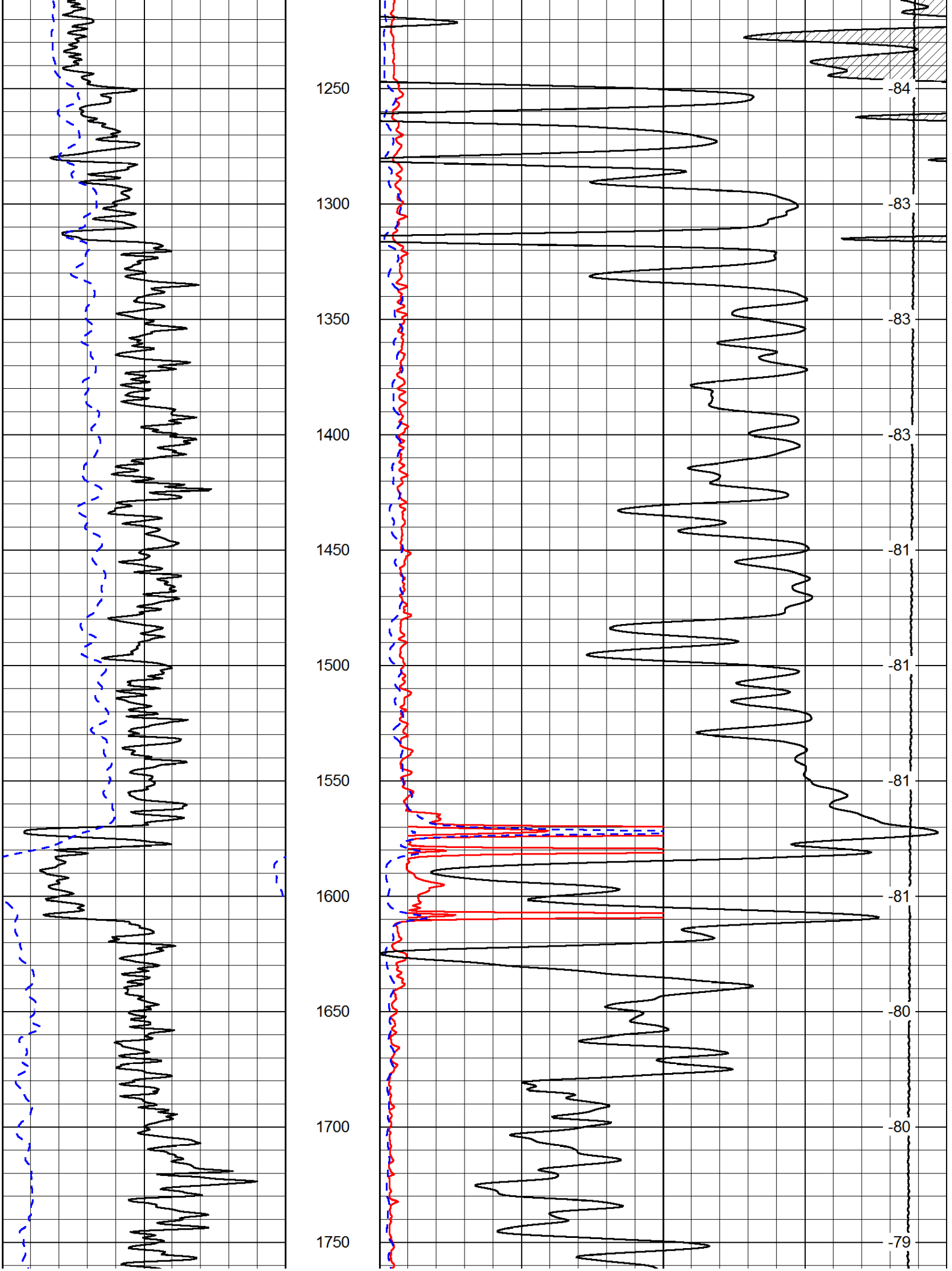
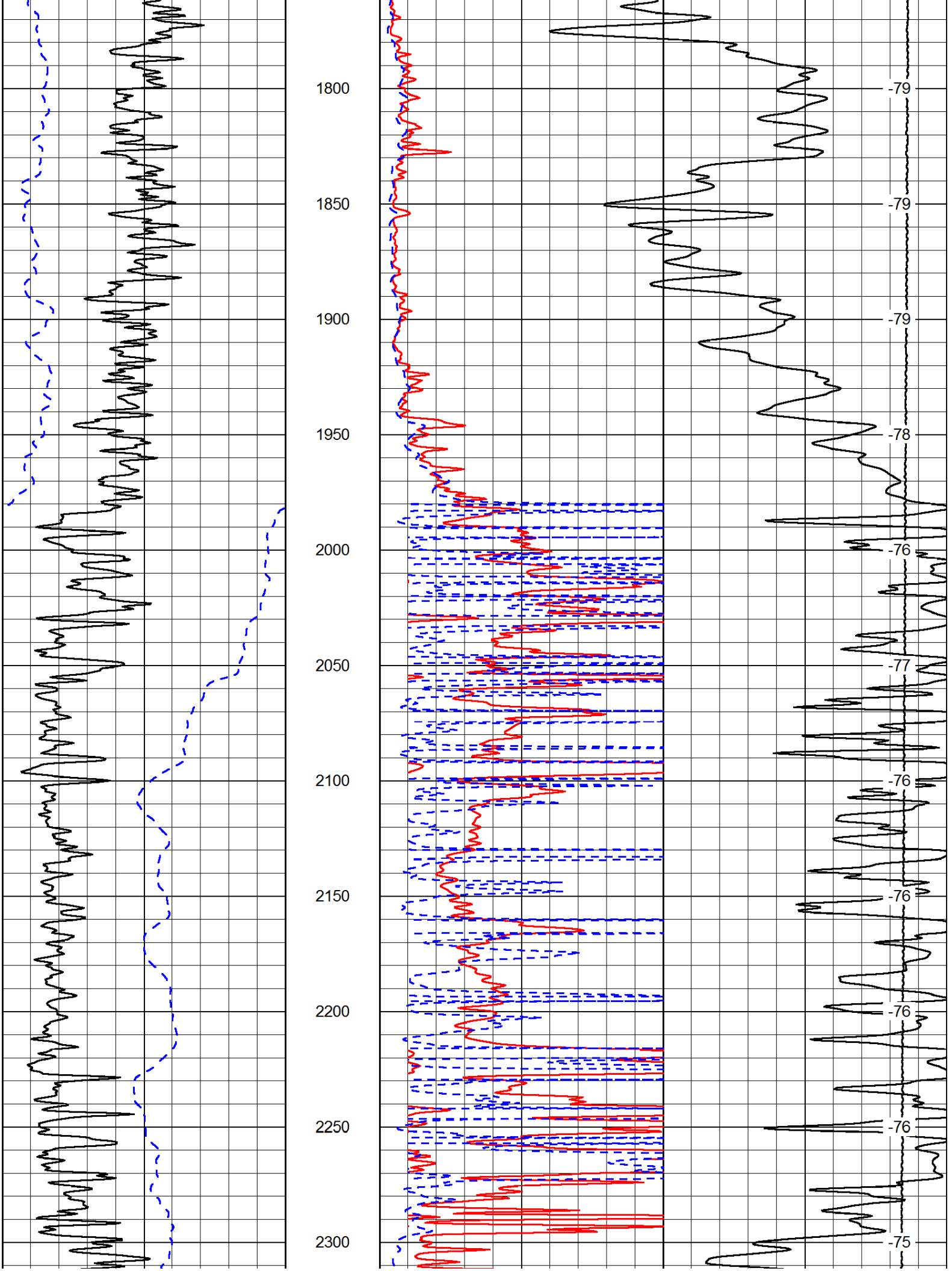
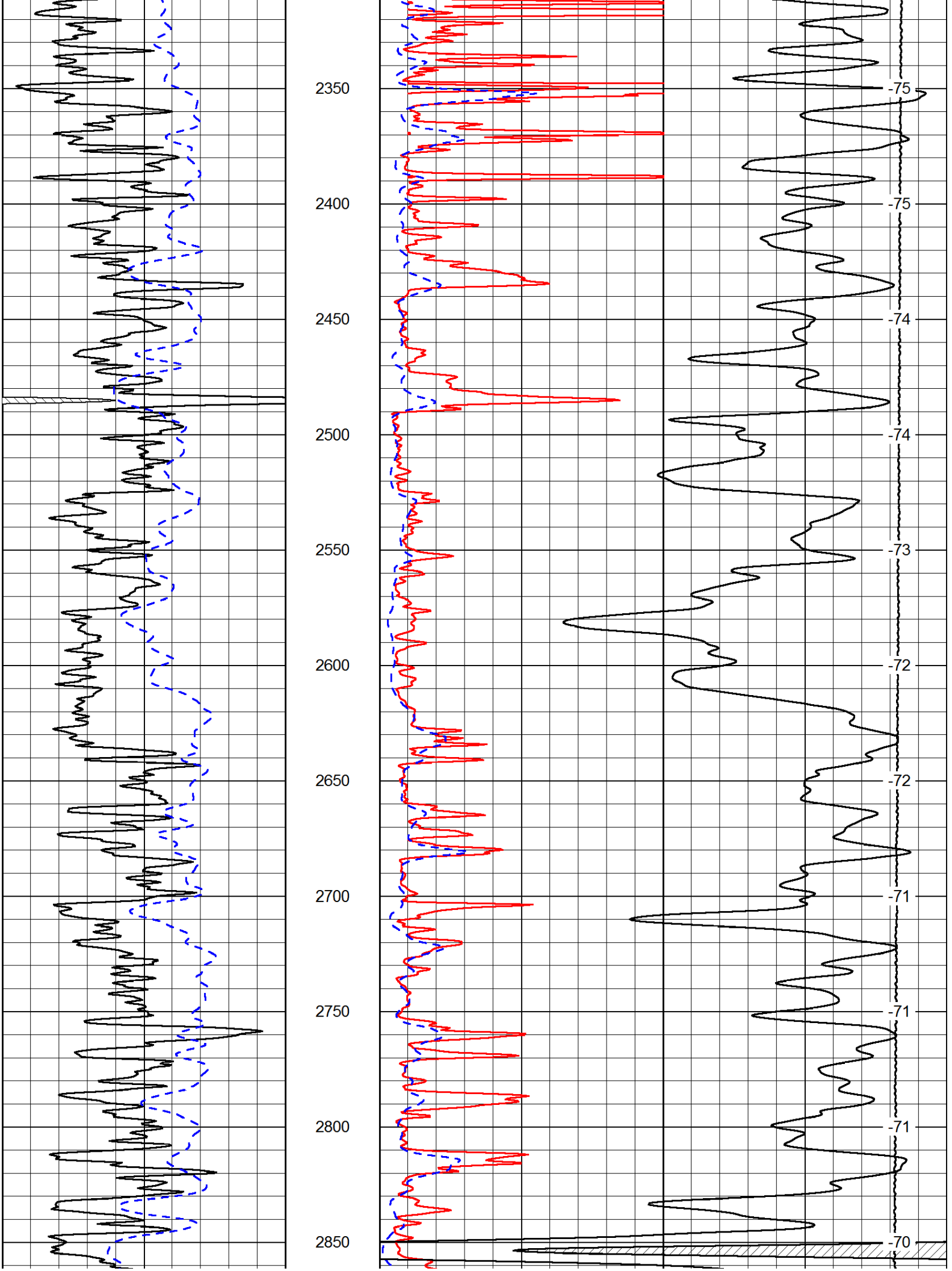
-89
-89
-89
-88
-88
-88


700
750
800
850
900
950
1000
1050
1100
1150
1200
-87
-87
-87
-85
-85
-84
-85
-84
-84
-84
-84


1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
-84
-83
-83
-83
-81
-81
-81
-81
-80
-80
-79


1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
-79
-79
-79
-78
-76
-77
-76
-76
-76
-76
-75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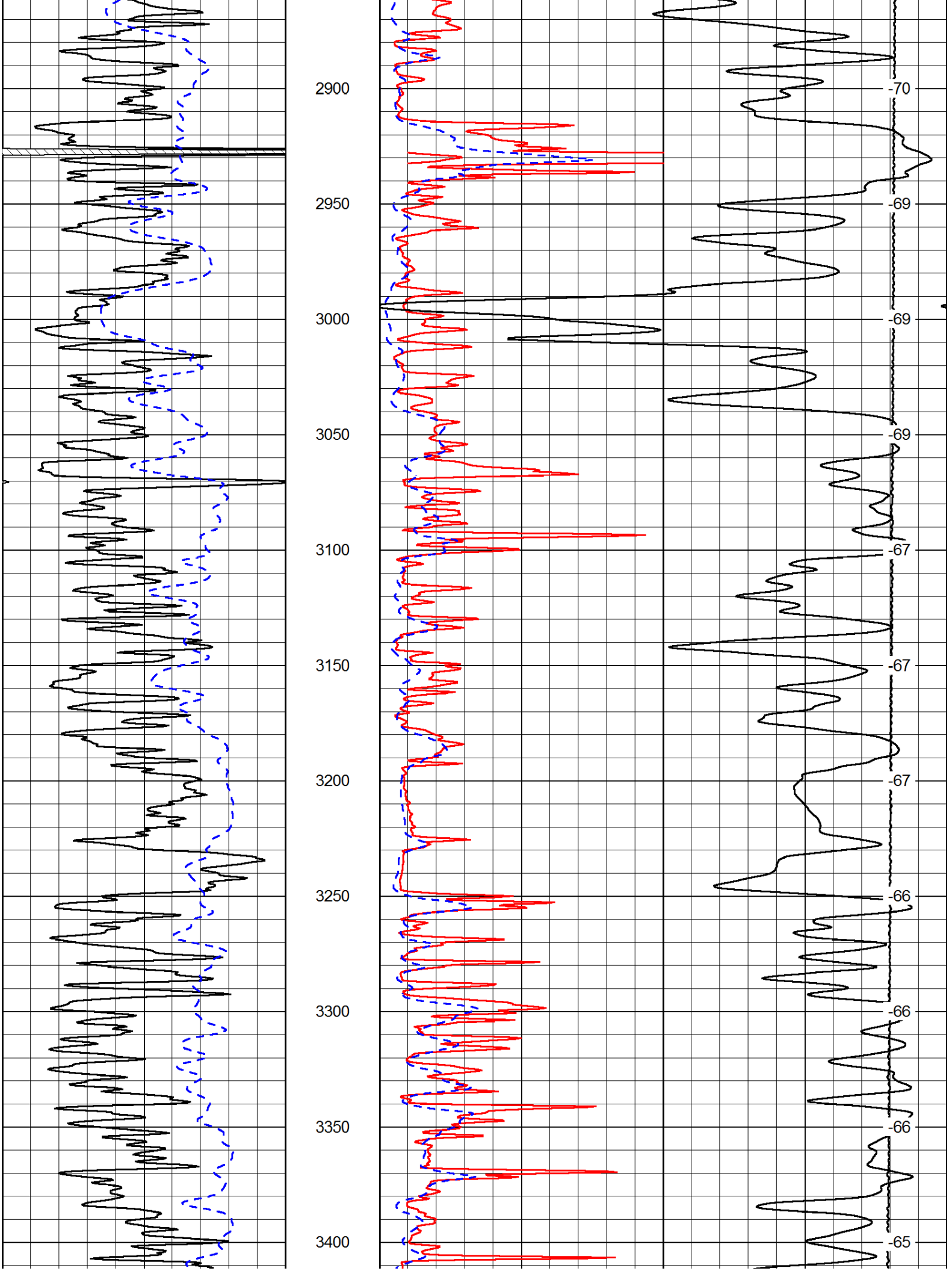
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
-75
-75
-74
-74
-73
-72
-72
-71
-71
-71
-70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2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
-70
-69
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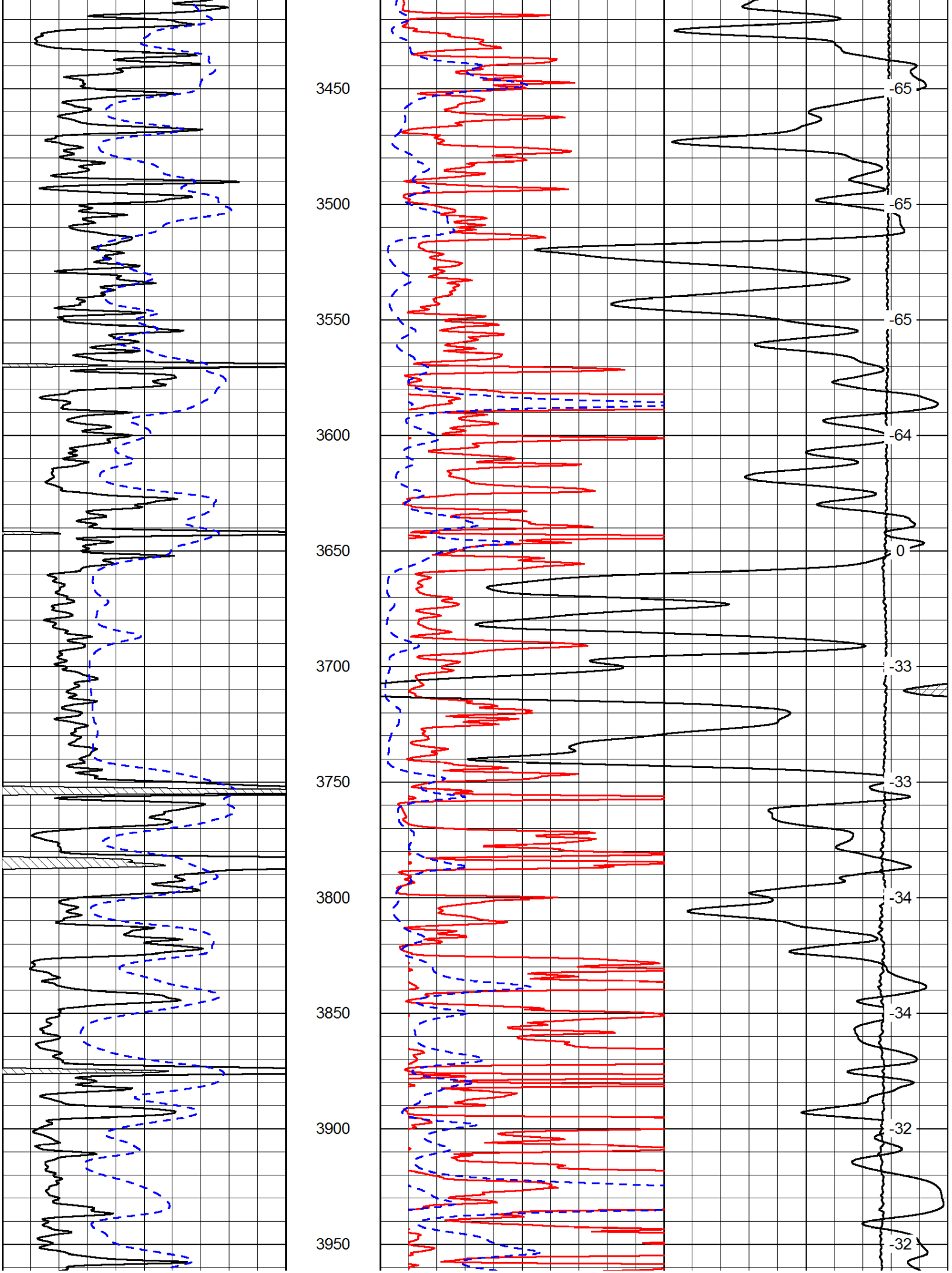
-67
-67
-67
-66
-66
-66
-65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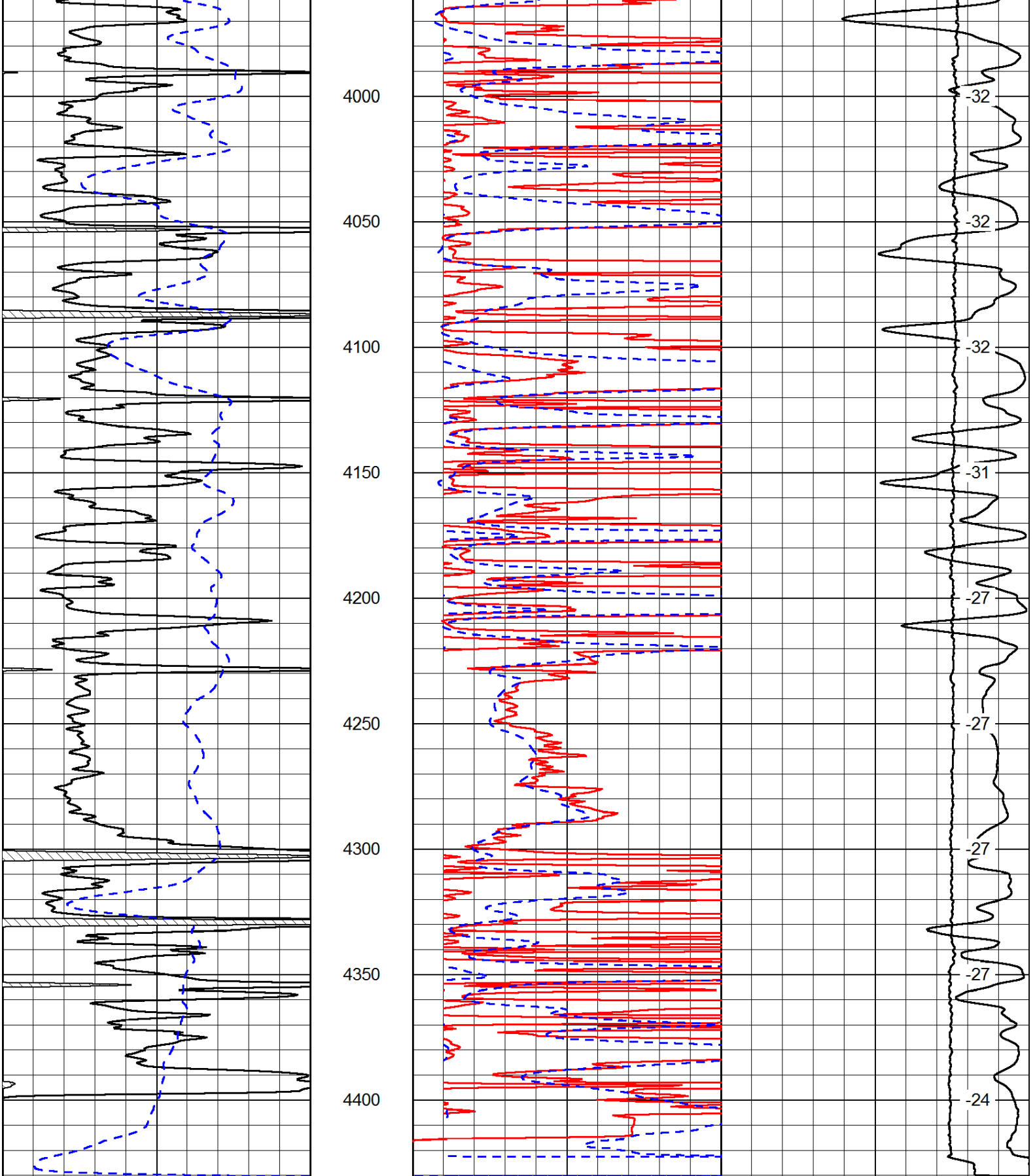
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
-65
-65
-65
-64
0
-33
-33
-34
-34
-32
-32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4050
4100
4150
4200
4250
4300
4350
4400
-32
-32
-32
-31
-27
-27
-27
-27
-24
0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD

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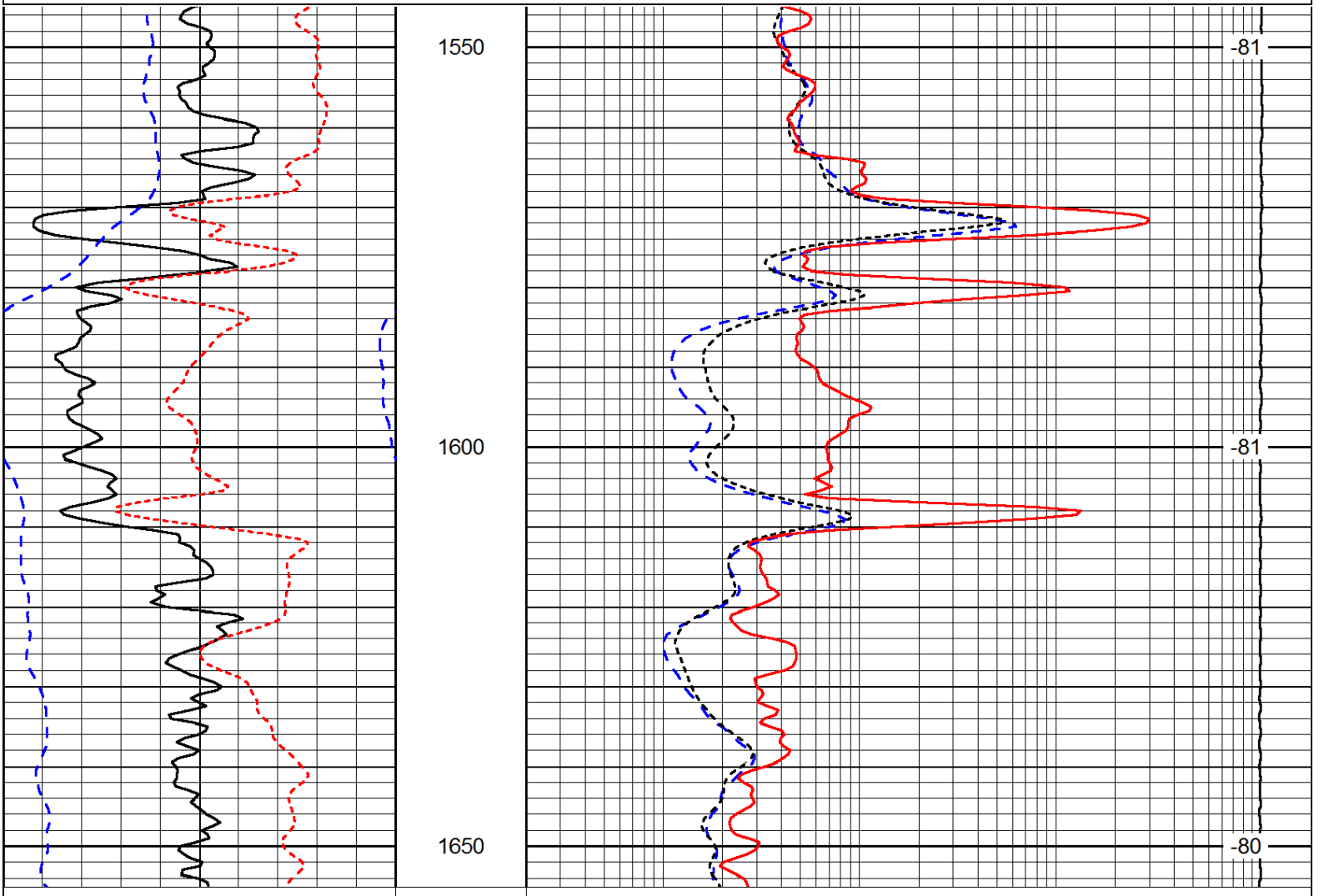
Dataset Pathname: dil/hemstack
Presentation Format: dil
Dataset Creation: Tue Oct 02 00:48:51 2012
Charted by: Depth in Feet scaled 1:240

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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0.2	Medium Resistivity	2000
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LSPD

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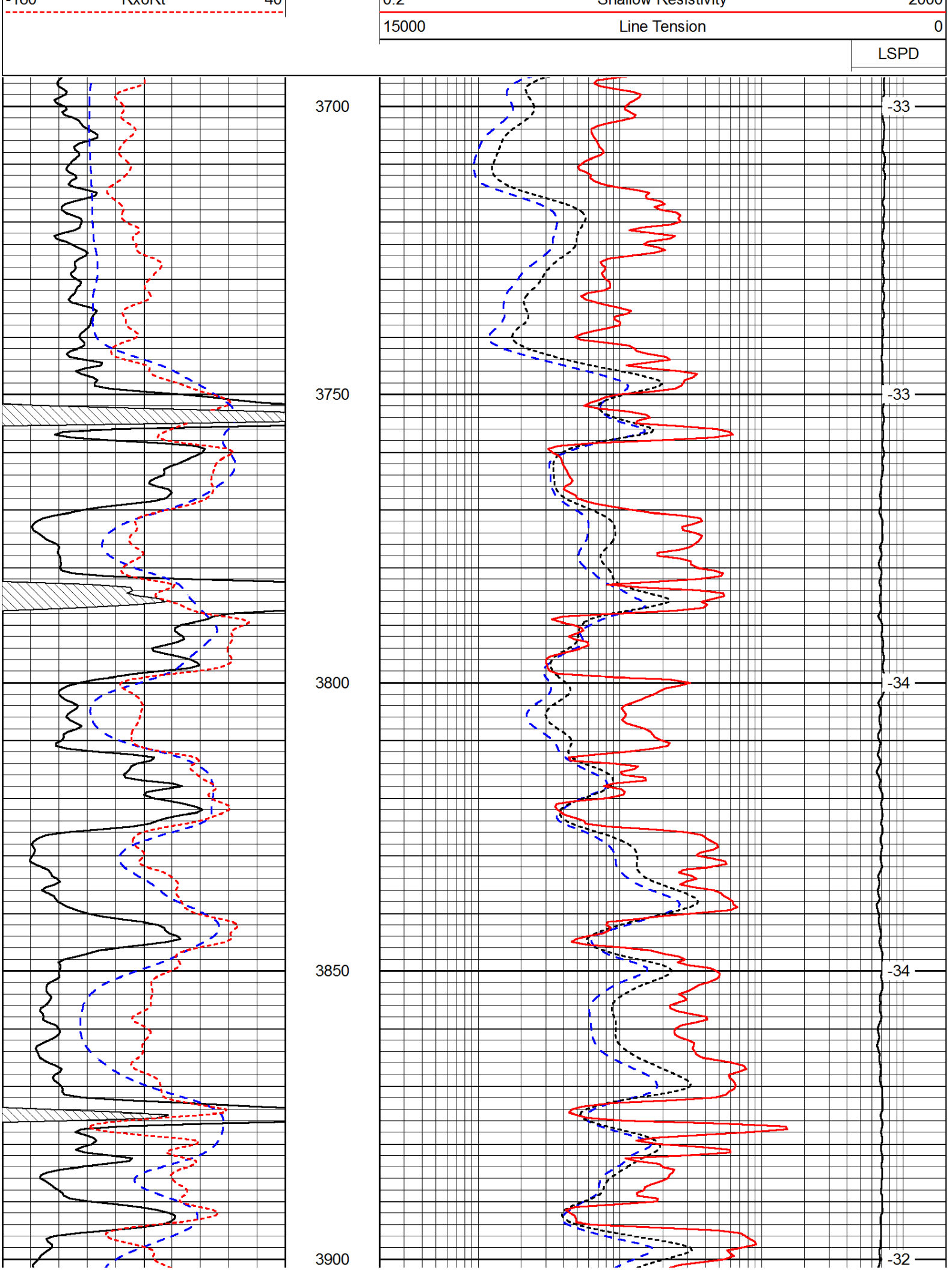
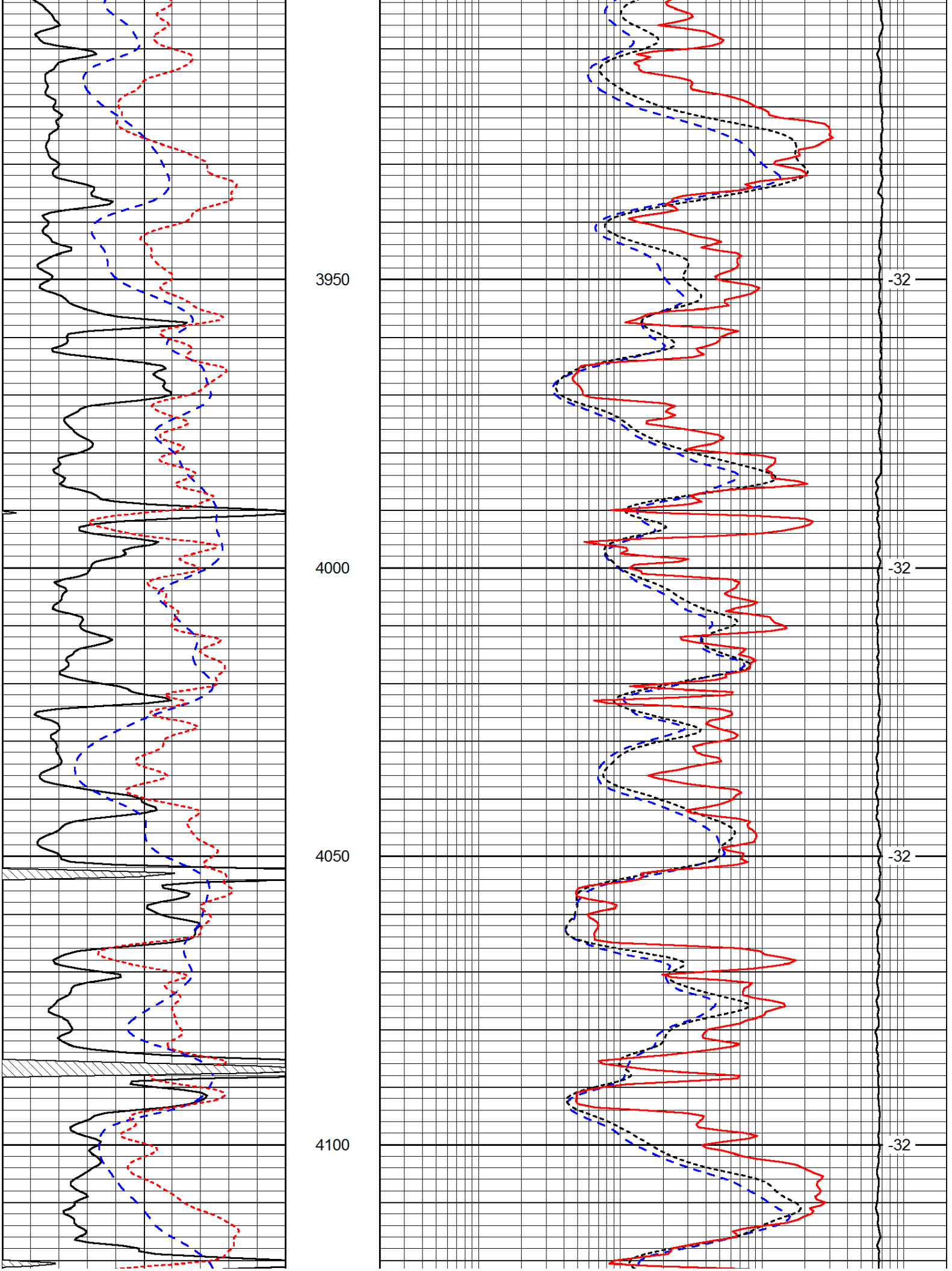
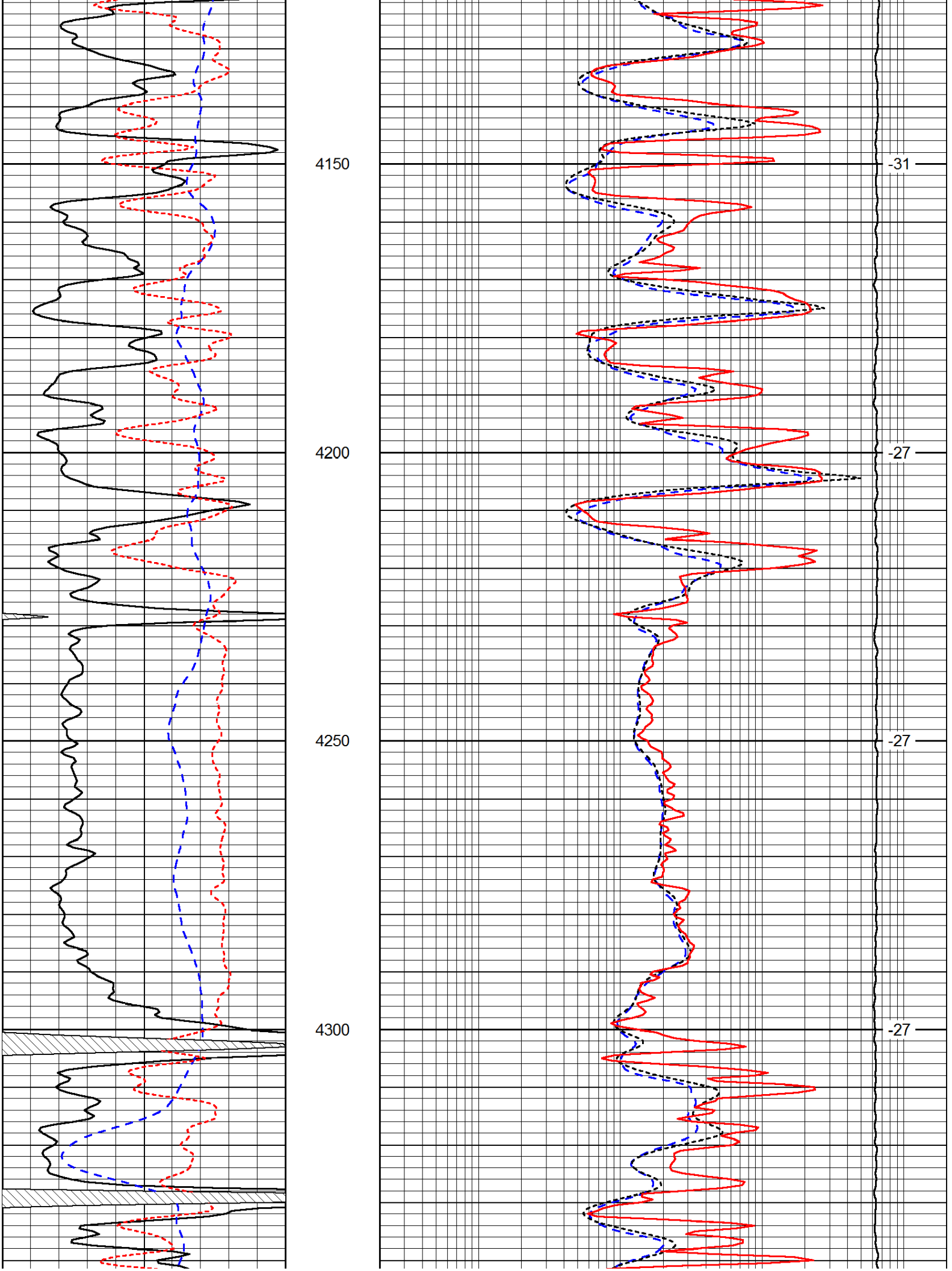
0.2	Medium Resistivity	2000


-100
RxoRt
40
0.2
Shallow Resistivity
2000
15000
Line Tension
0
LSPD
3700
3750
3800
3850
3900
-33
-33
-34
-34
-32


3950
4000
4050
4100
-32
-32
-32
-32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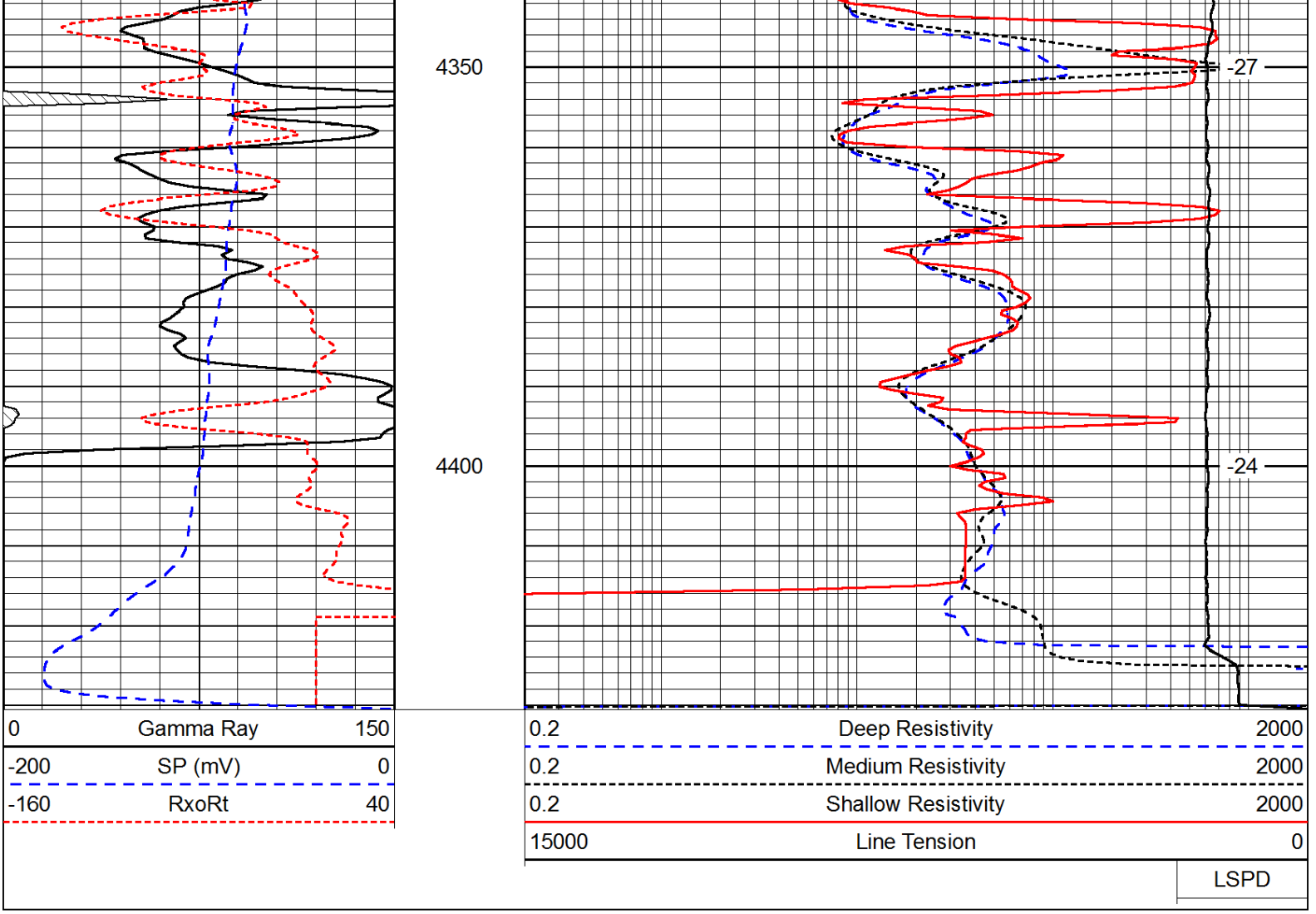
4250
4300
-31
-27
-27
-27



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0.2	Medium Resistivity	2000
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LSPD