PIONEER

Pioneer Energy Services

Dual Induction Log

Company	Landmark Resources, Inc.
Well	Sleeping Indian # 1-12
Field	Wildcat
County	Scott
State	Kansas
API No.	15-171-21014-00-00

Location

1927' FSL & 913' FEL

Sec: 12 Twp: 17 S Rge: 34 W

Other Services

CNL/CDL

Elevation

K.B. 3104
D.F.
G.L. 3093

Permanent Datum Ground Level
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing Elevation 3093

Date	1/9/2014			
Run Number	One			
Depth Driller	4906			
Depth Logger	4904			
Bottom Logged Interval	4903			
Top Log Interval	200			
Casing Driller	8.625 @ 243			
Casing Logger	240			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	7700			
Density / Viscosity	9.5 58			
pH / Fluid Loss	10.5 8.8			
Source of Sample	Flowline			
Rm @ Meas. Temp	0.50 @ 30			
Rmf @ Meas. Temp	0.37 @ 30			
Rmc @ Meas. Temp	0.67 @ 30			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.12 @ 127			
Operating Rig Time	5 1/2 Hours			
Max Rec. Temp. F	127			
Equipment Number	91			
Location	Hays			
Recorded By	Y. Ruiz			
Witnessed By	Max Lovely			

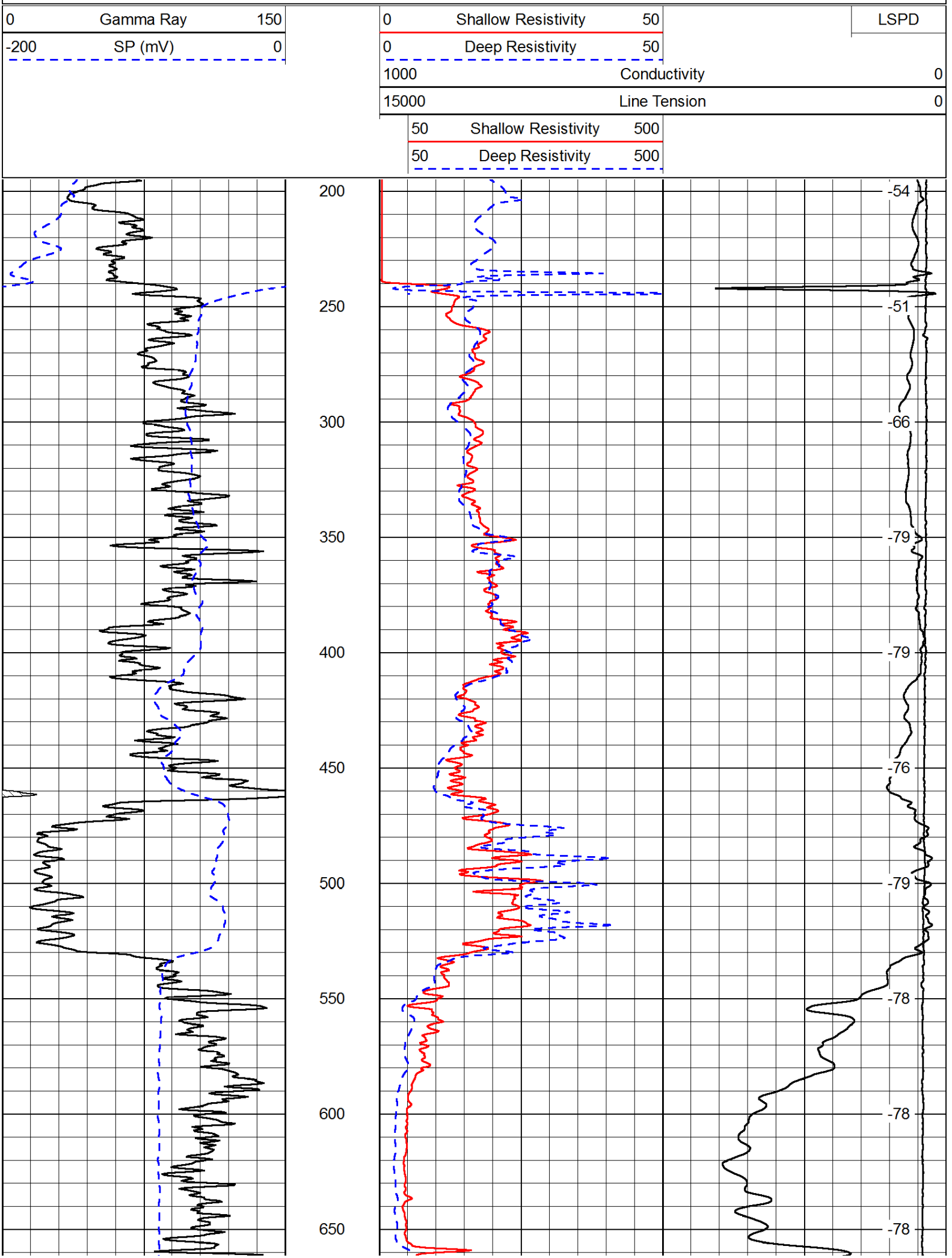
<<< Fold Here >>>

Comments

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

Scott City,
North to 230 Rd, 6 West to Falcon Rd, 1/2 South,
West into

Database File:	c:\warrior\data\landmark_sleeping indian # 1-12\landmark_010914hd2.db
Dataset Pathname:	DIL2/lanstk
Presentation Format:	dil2in
Dataset Creation:	Thu Jan 09 17:15:12 2014
Charted by:	Depth in Feet scaled 1:600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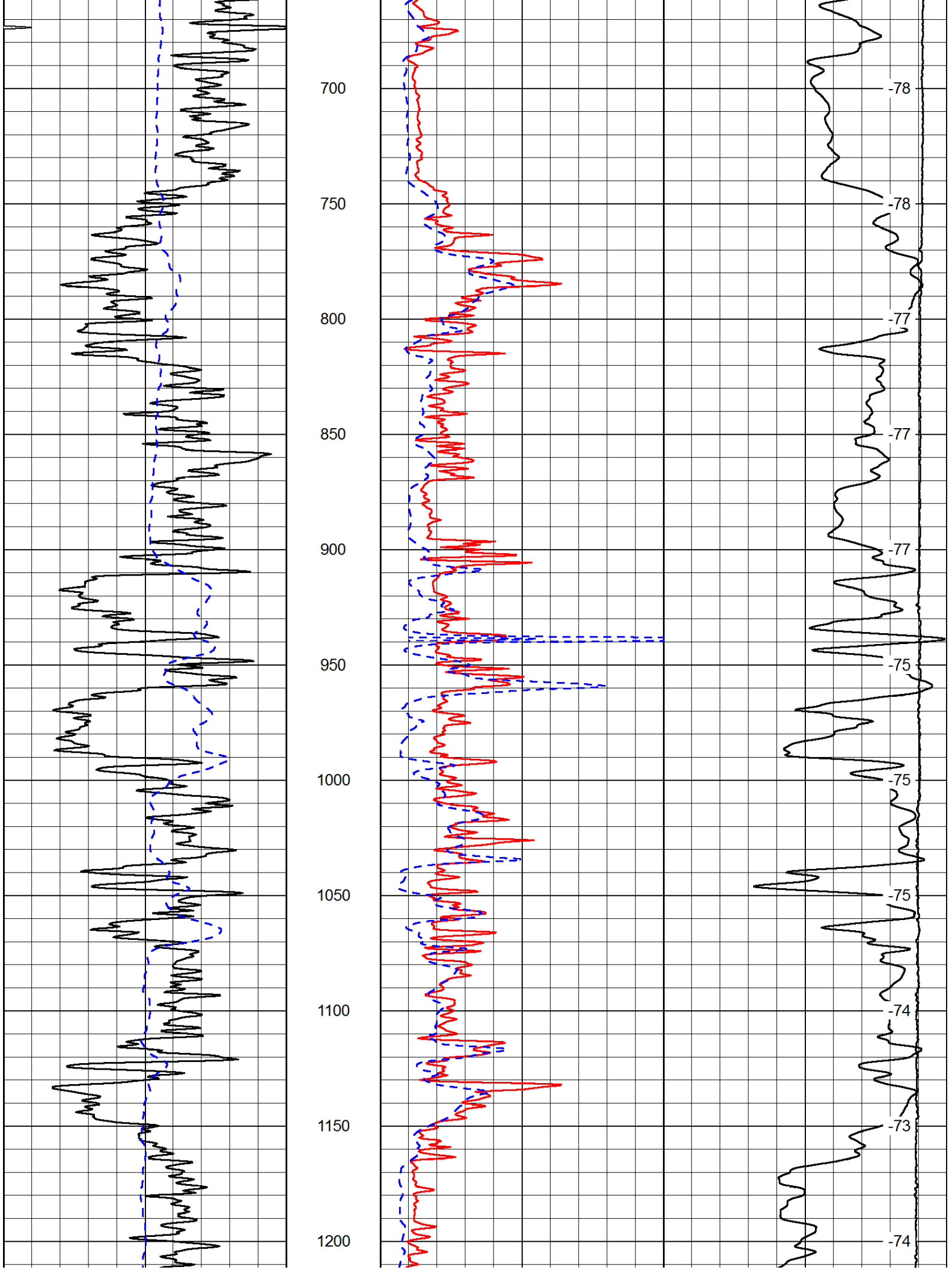
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
200
250
300
350
400
450
500
550
600
650
-54
-51
-66
-79
-79
-76
-79
-78
-78
-78


700
750
800
850
900
950
1000
1050
1100
1150
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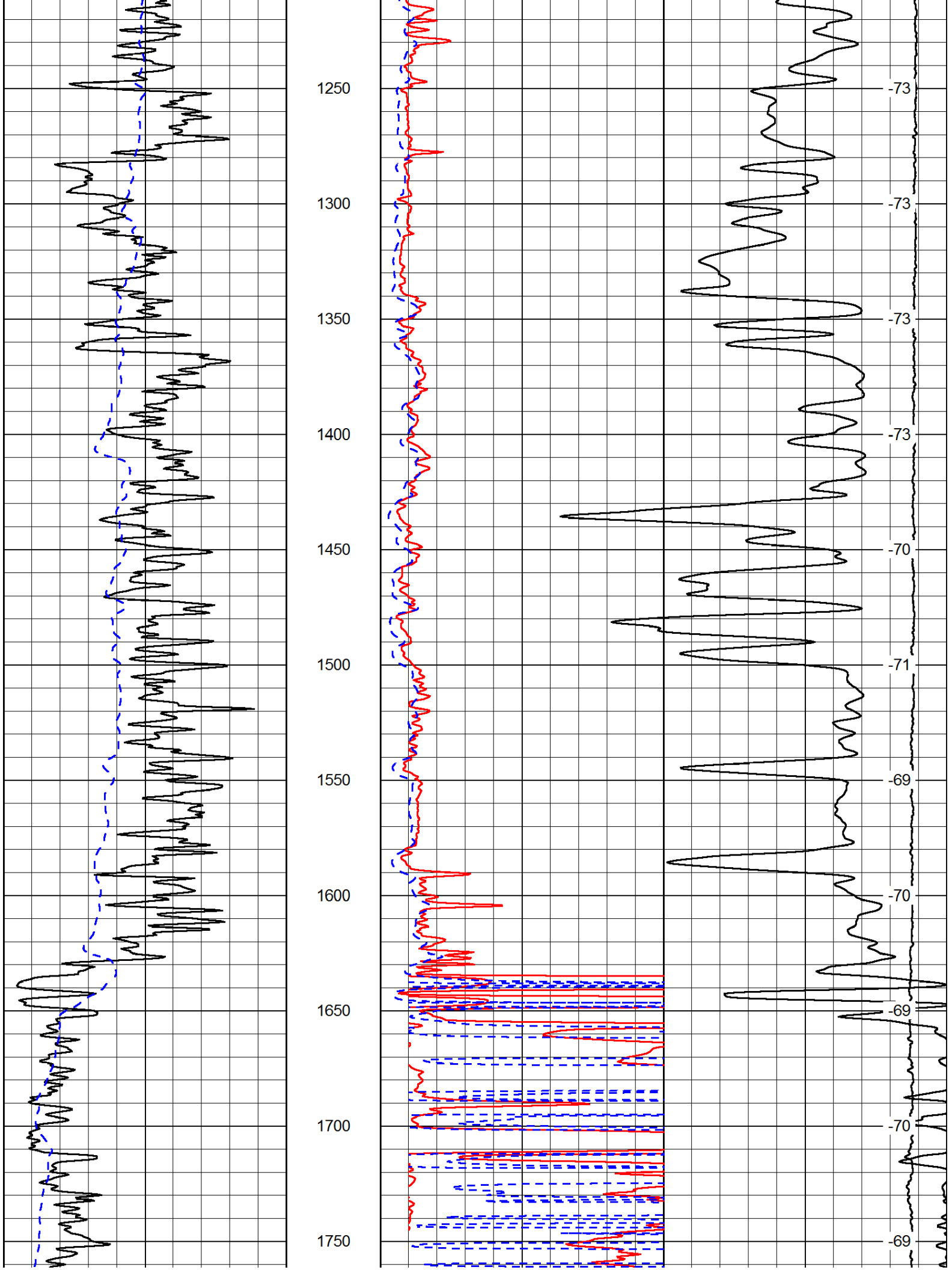
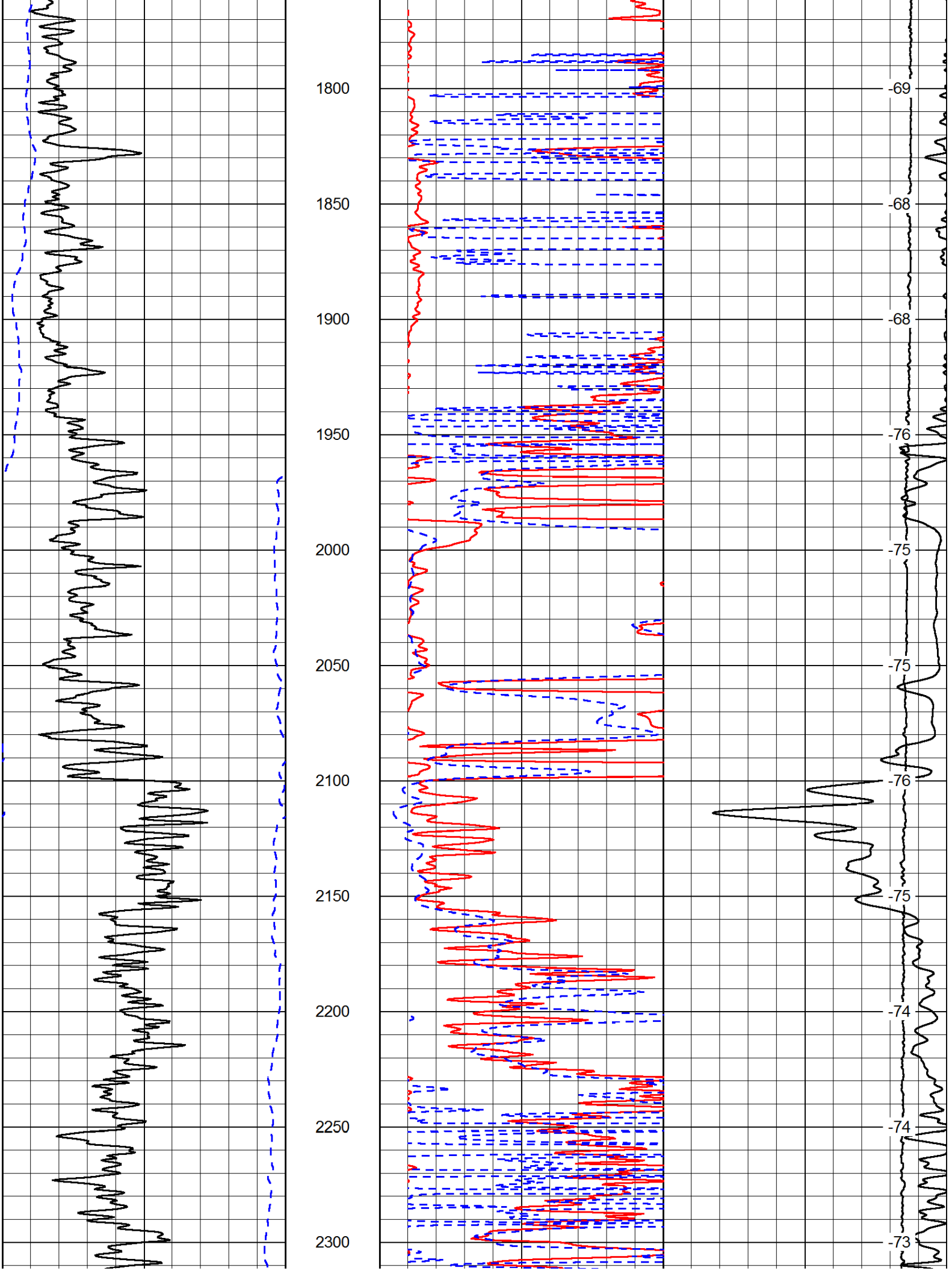
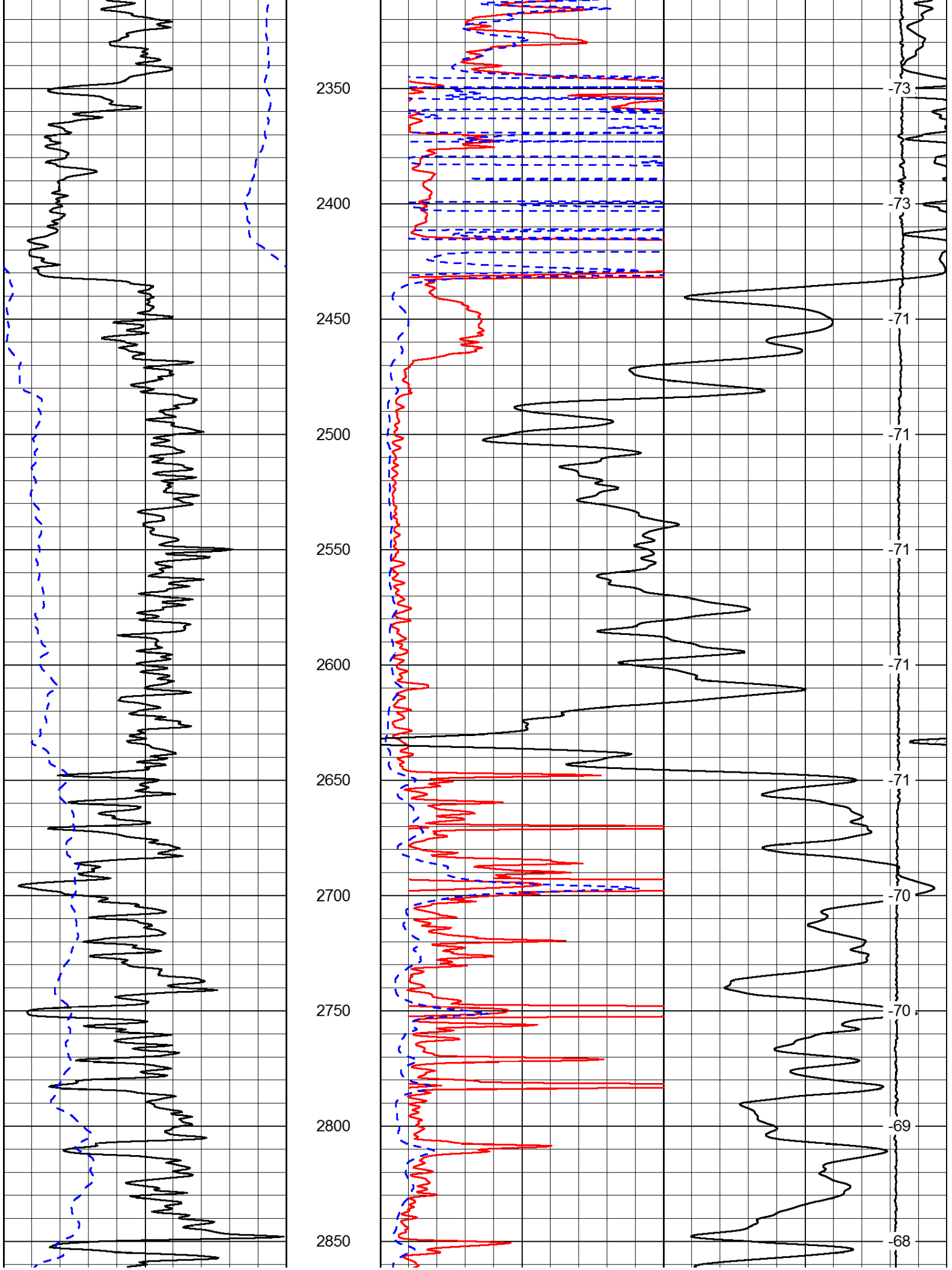
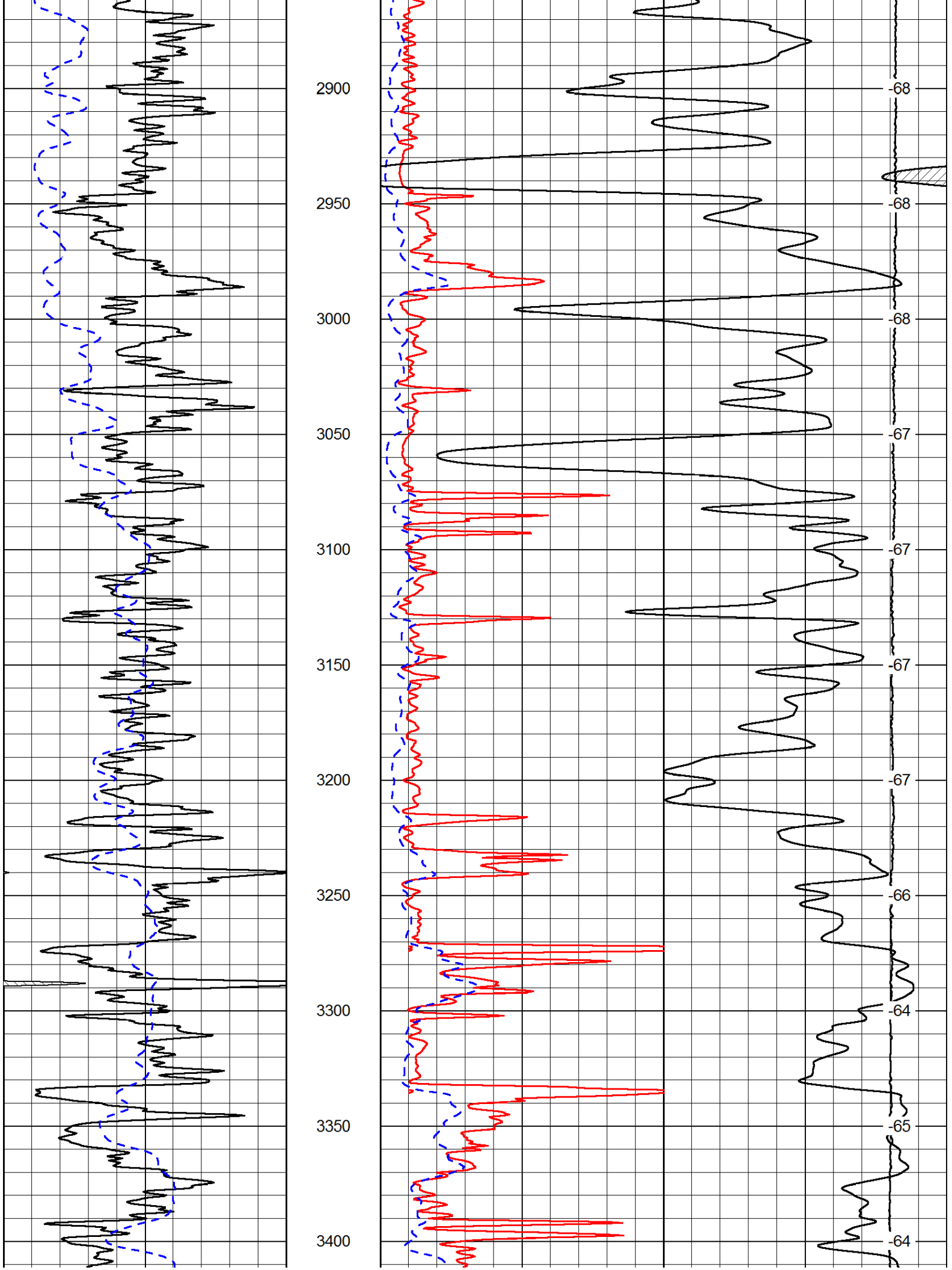
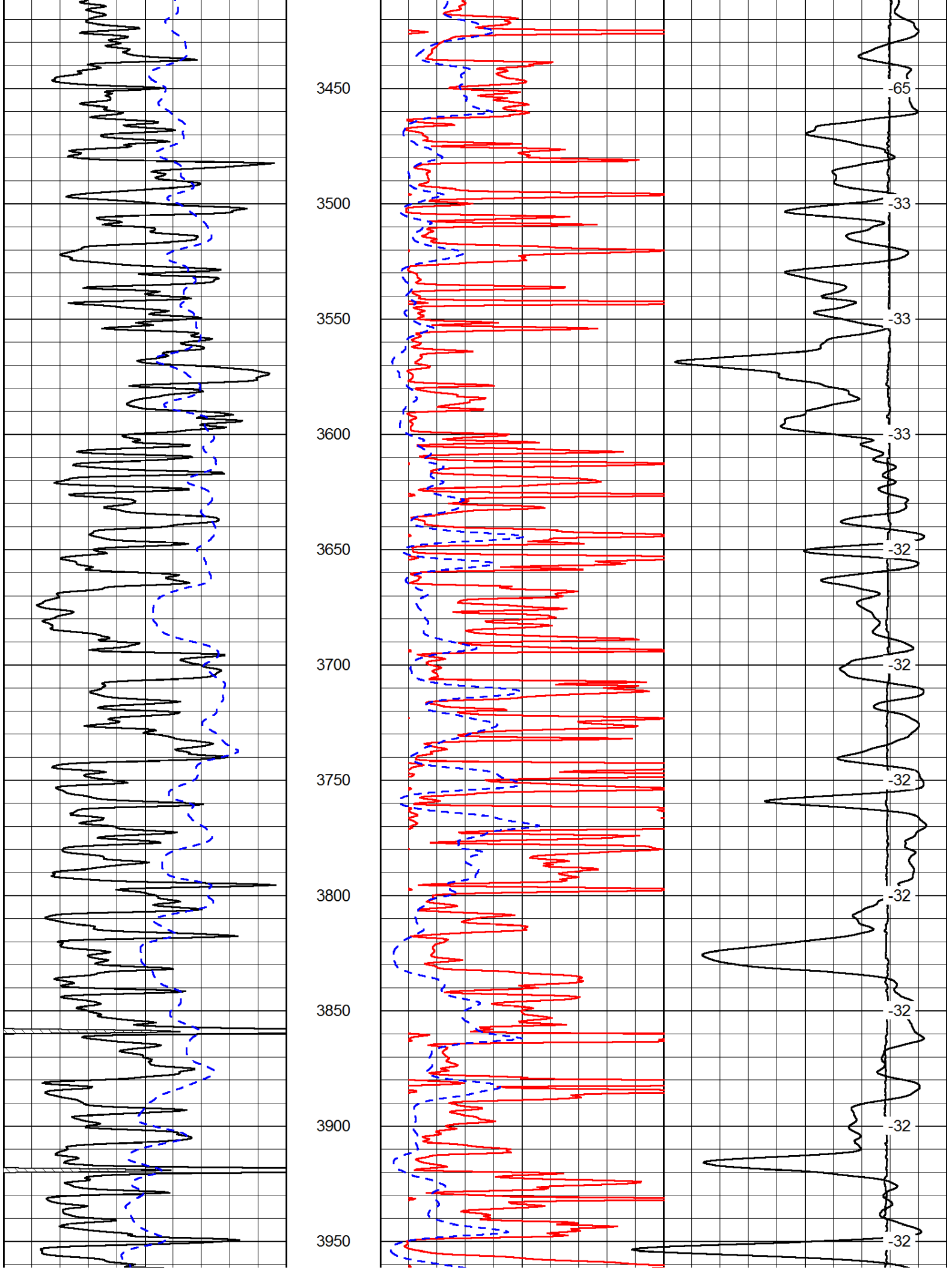
-78
-78
-77
-77
-77
-75
-75
-75
-74
-73
-74


1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
-73
-73
-73
-70
-71
-69
-70
-69
-70
-69


1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
-69
-68
-68
-76
-75
-75
-76
-75
-74
-74
-73


2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
-73
-73
-71
-71
-71
-71
-71
-70
-70
-69
-68


2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
-68
-68
-68
-67
-67
-67
-67
-66
-64
-65
-64


3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
-65
-33
-33
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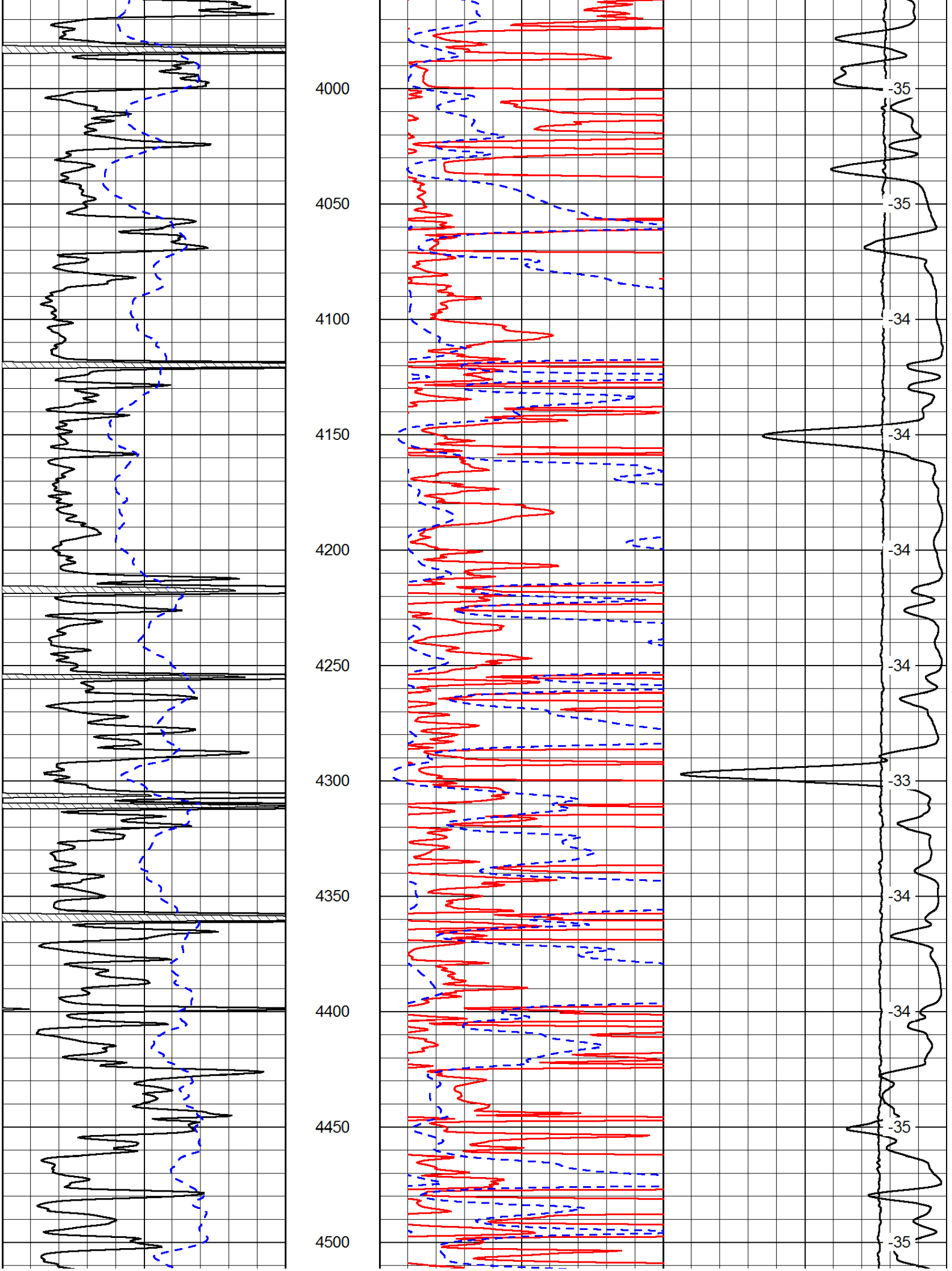
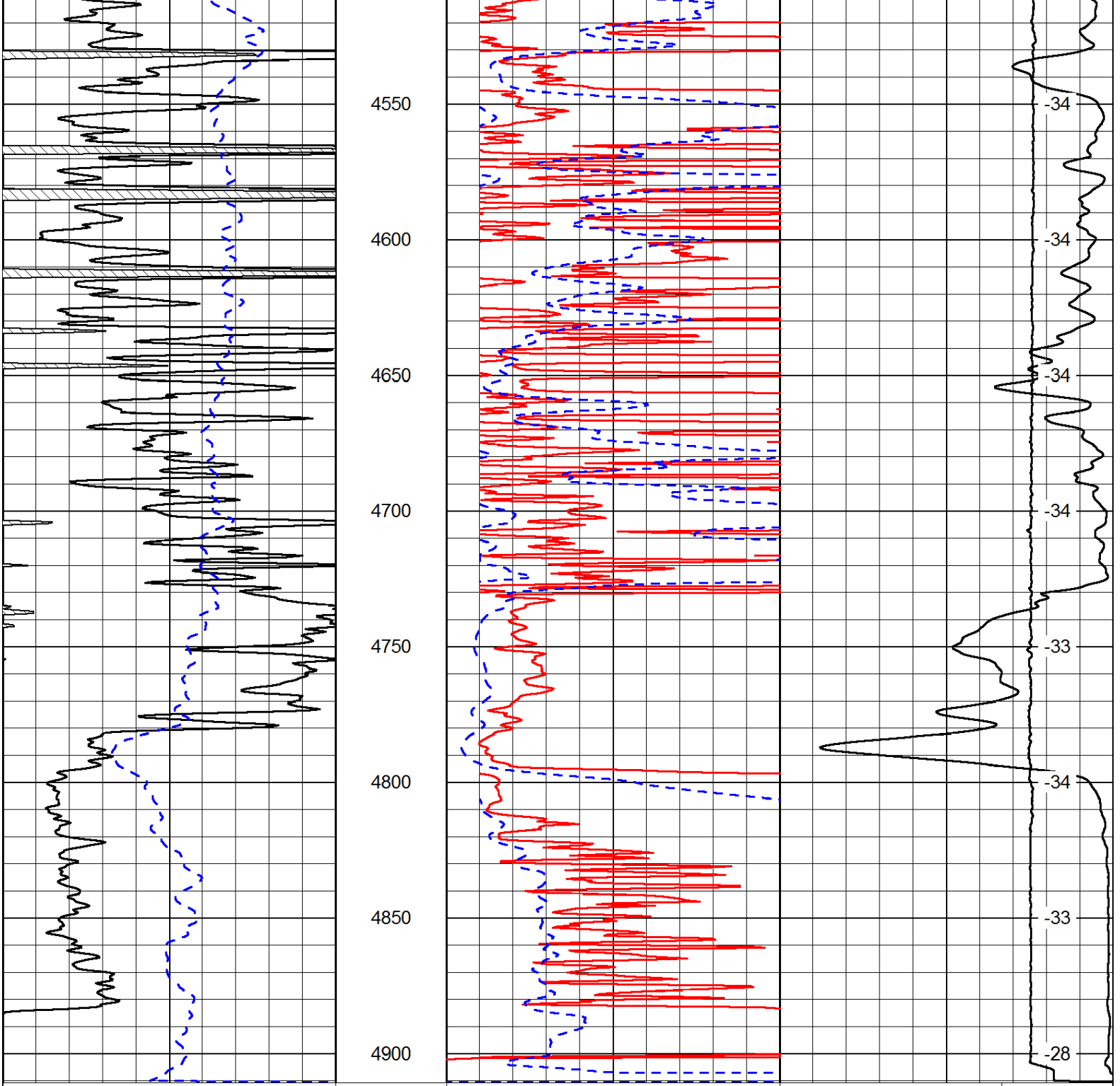
-32
-32
-32
-32
-32
-32
-32


4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
-35
-35
-34
-34
-34
-34
-33
-34
-34
-35
-35



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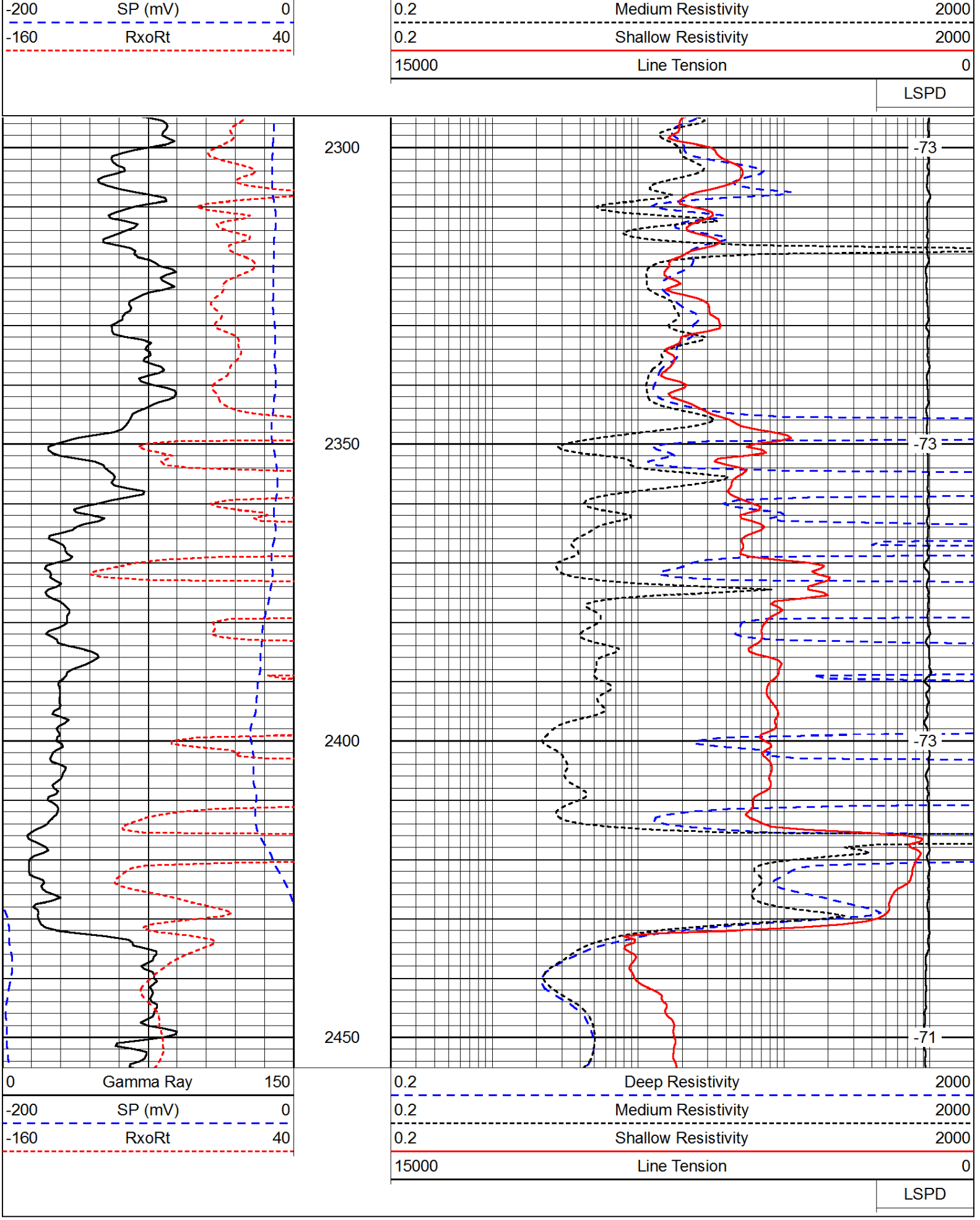
Dataset Pathname:	DIL2/lanstk
Presentation Format:	dil
Dataset Creation:	Thu Jan 09 17:15:12 2014
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2 Deep Resistivity 2000



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Dataset Pathname: DIL2/lanstk
Presentation Format: dil

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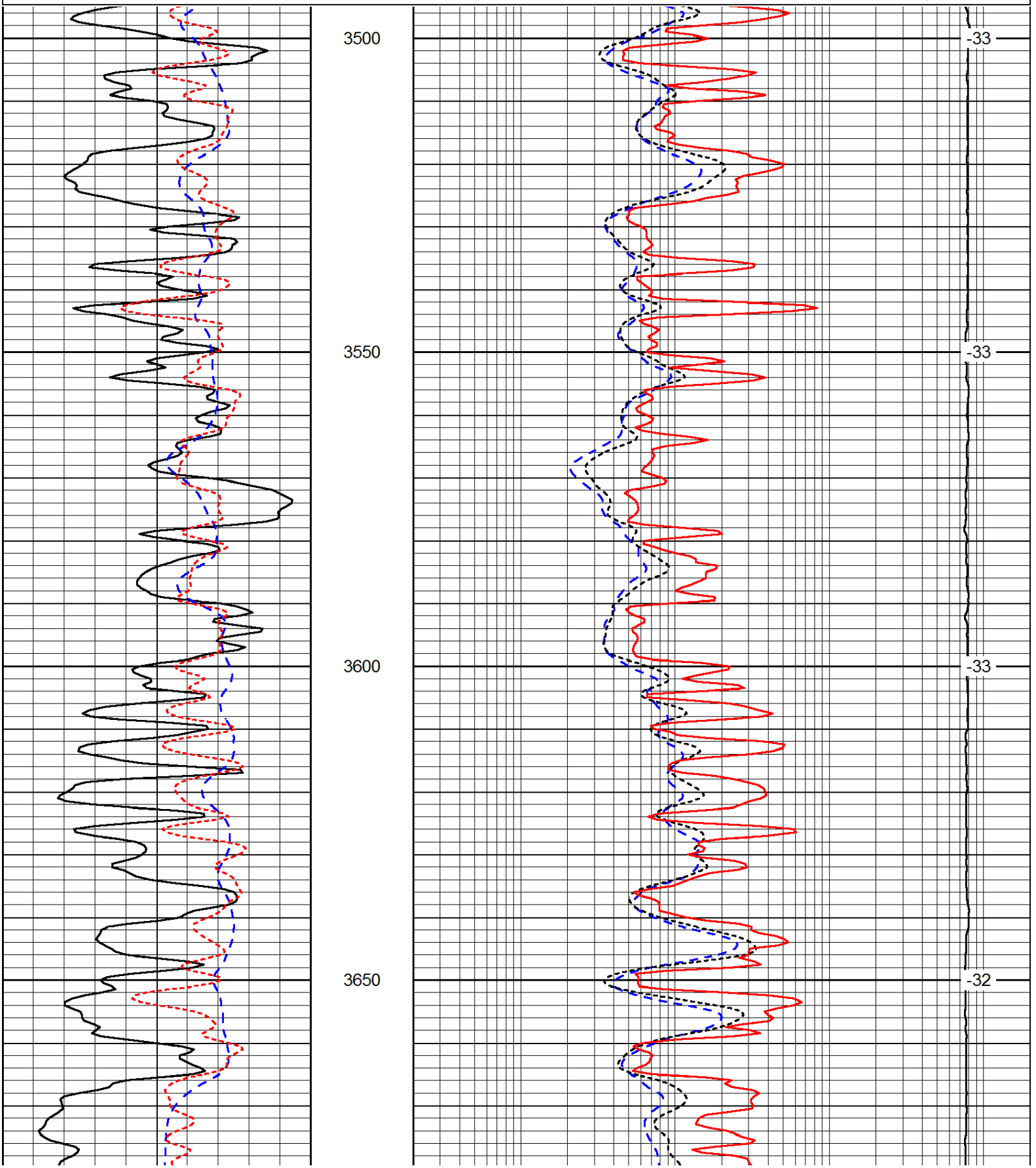
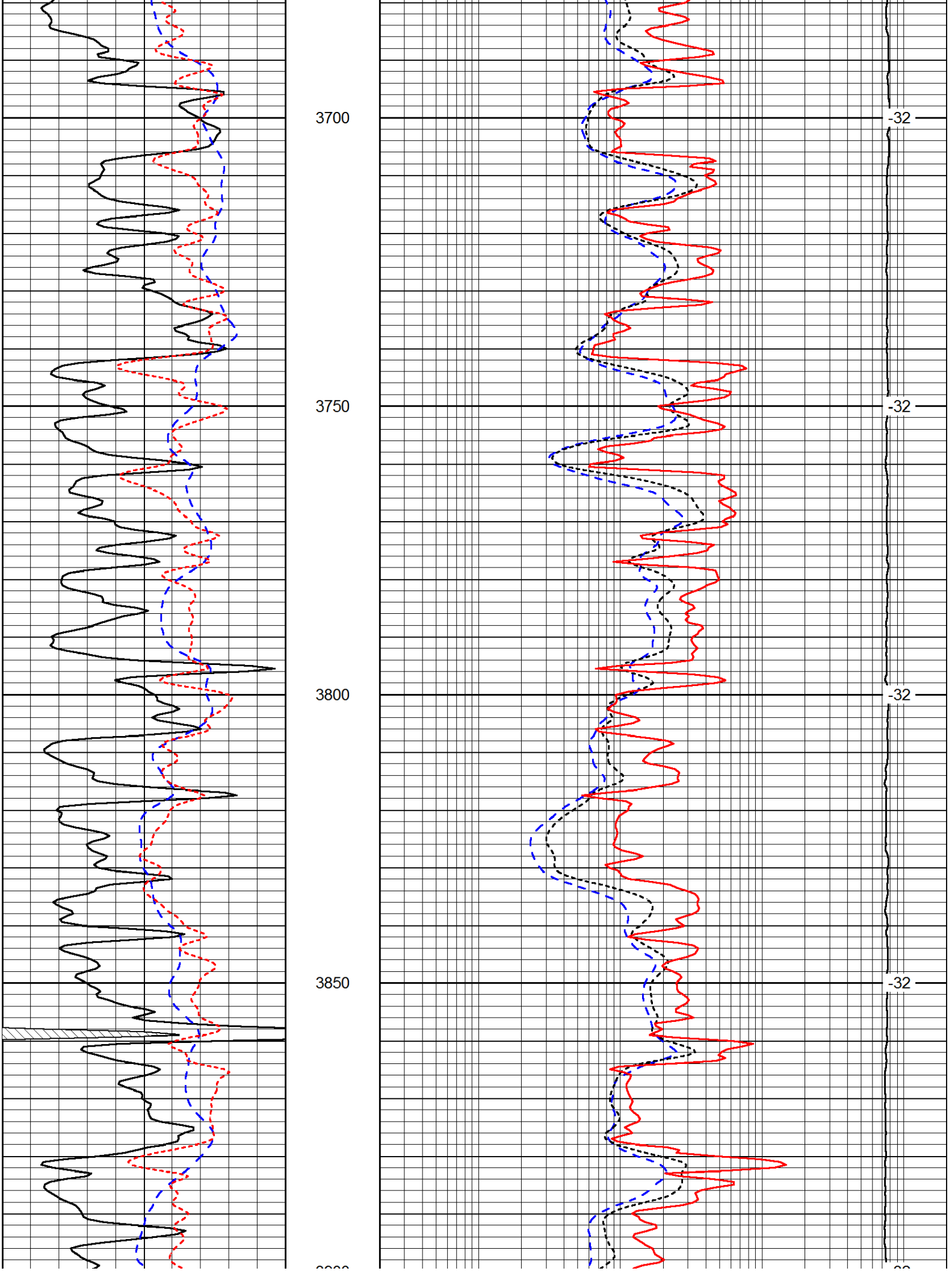
Dataset Creation: Thu Jan 09 17:15:12 2014
Charted by: Depth in Feet scaled 1:240

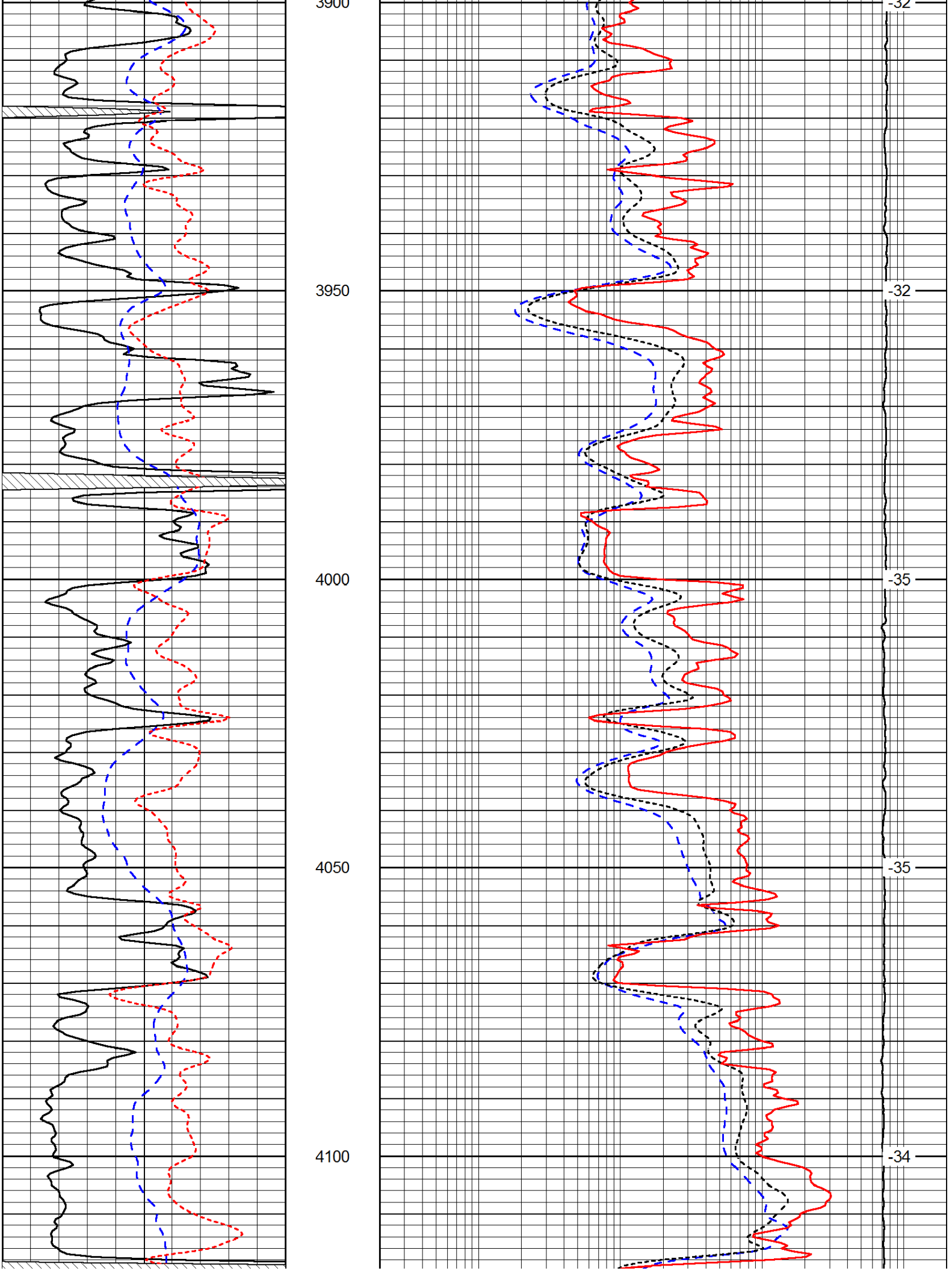
0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

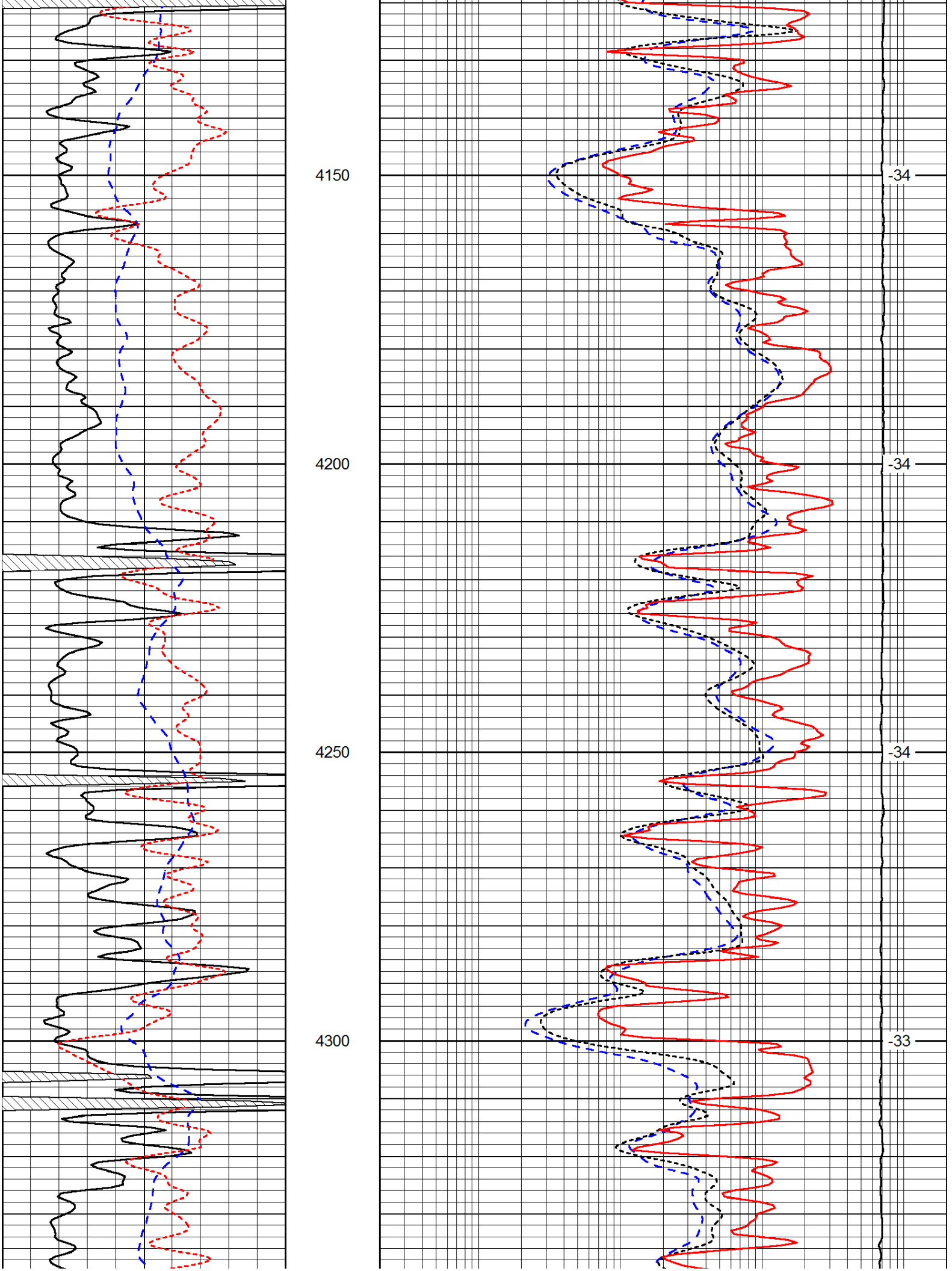
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

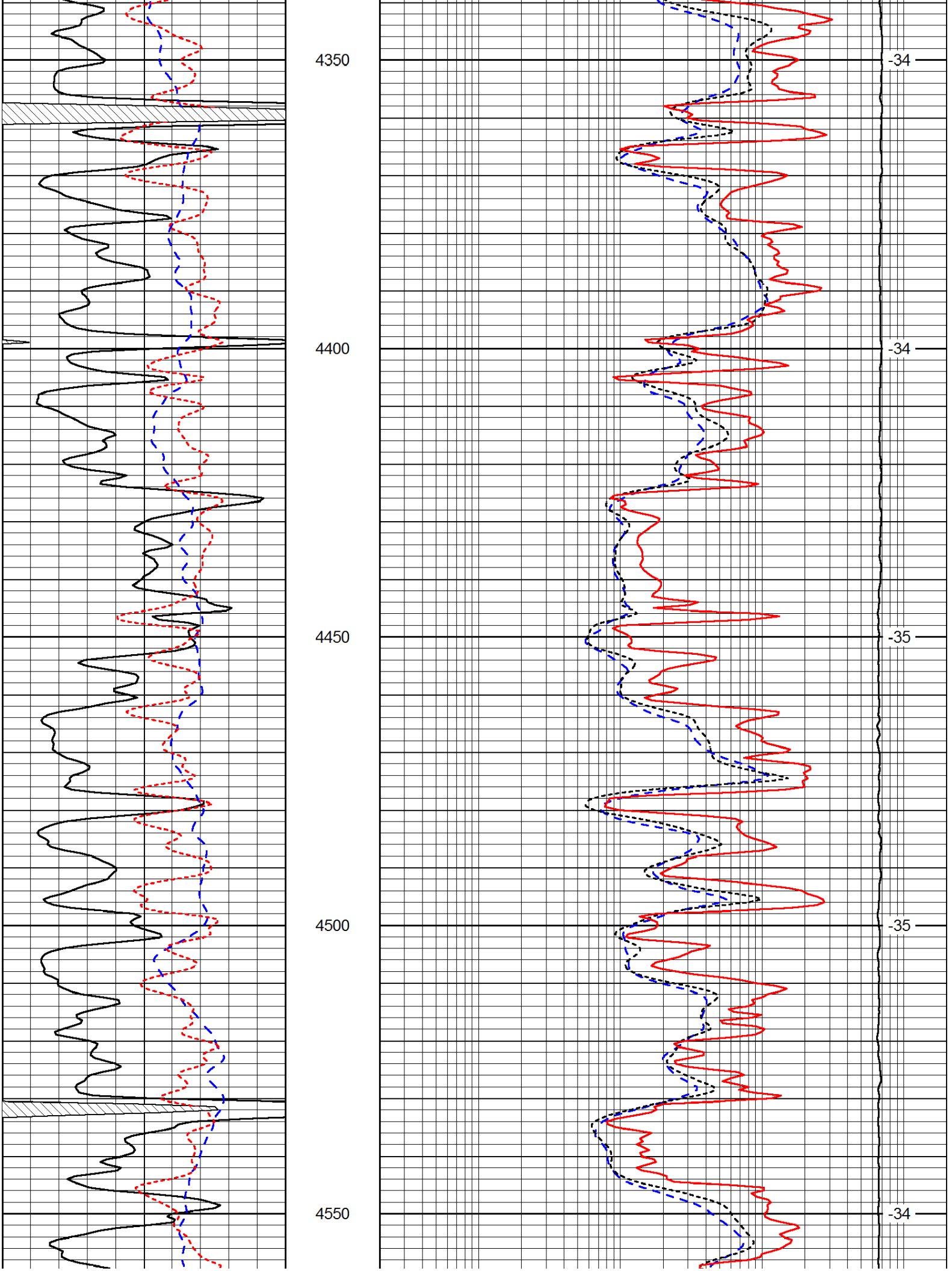
LSPD

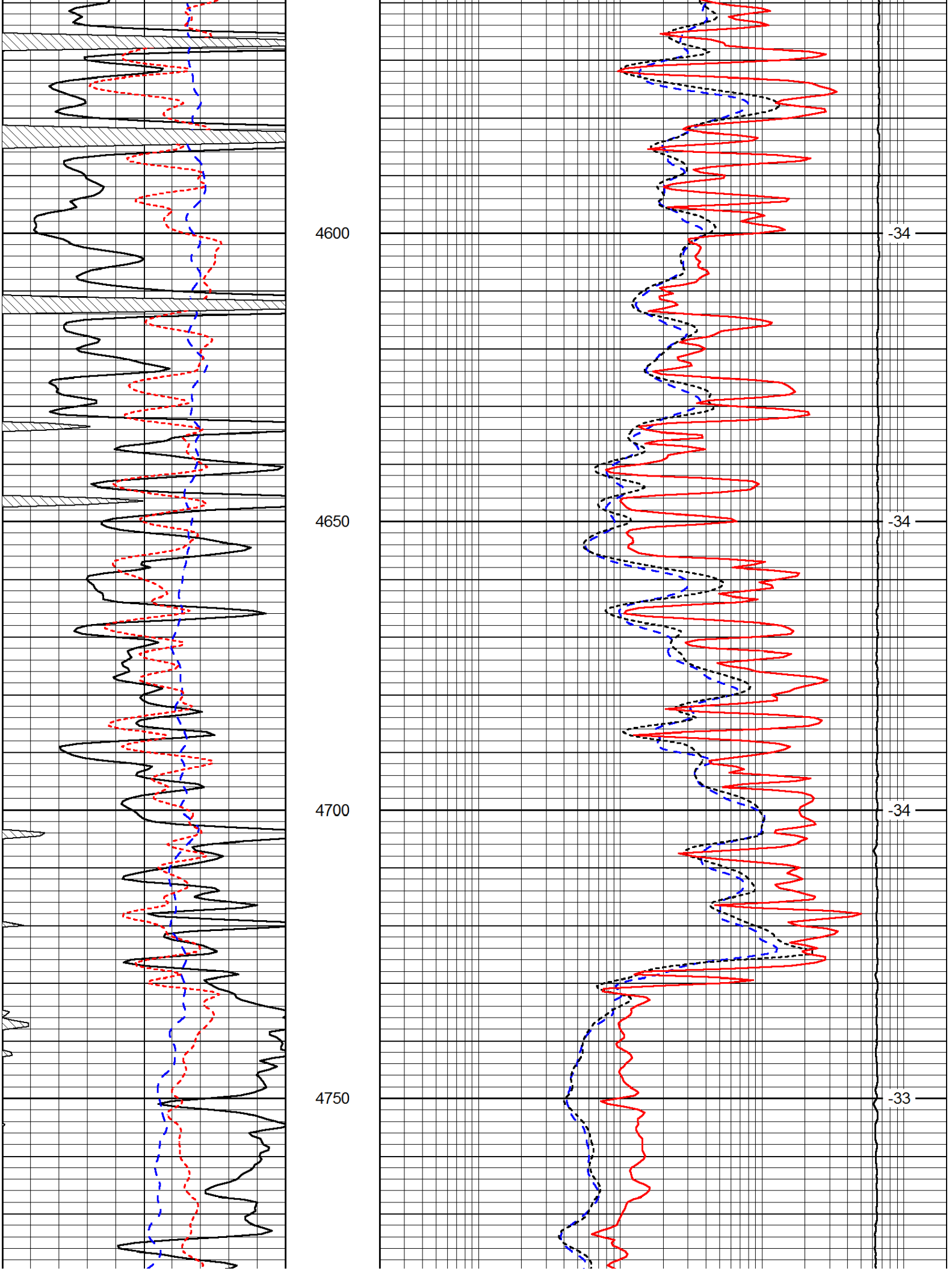


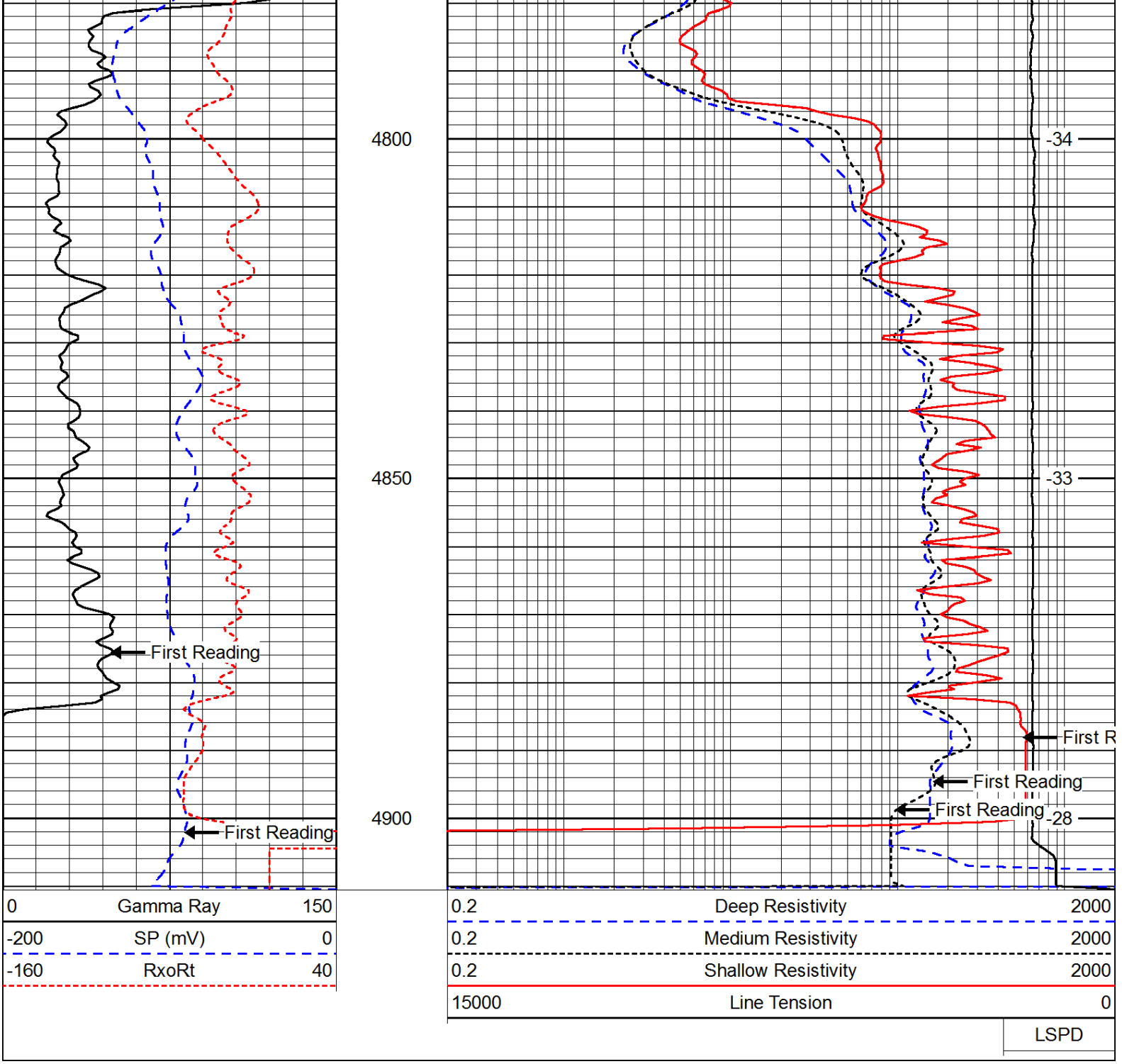

3700
3750
3800
3850
-32
-32
-32
-32


3900
3950
4000
4050
4100
-32
-32
-35
-35
-34


4150
4200
4250
4300
-34
-34
-34
-33


4350
4400
4450
4500
4550
-34
-34
-35
-35
-34


4600
4650
4700
4750
-34
-34
-34
-33


4800
4850
4900
-34
-33
-28
First Reading
First Reading
First Reading
First Reading
First R
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