PIONEER

Pioneer Energy Services

Dual Induction Log

Company	Castle Resources, Inc.
Well	Mehl #1
Field	Stoltenberg
County	Ellsworth State Kansas
Location	E2-SE-SW-NW 2310' FNL & 1200' FWL
Sec: 18	Twp: 17S Rge: 9W
Permanent Datum	Ground Level Elevation 1796
Log Measured From	Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing

API No. 15-053-21,306-00-00

Other Services
CNL/CDL
MEL

Elevation
K.B. 1801
D.F.
G.L. 1796

Date	3/3/2014			
Run Number	One			
Depth Driller	3351			
Depth Logger	3344			
Bottom Logged Interval	3343			
Top Log Interval	250			
Casing Driller	8.625 @ 303			
Casing Logger	300			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	12,000			
Density / Viscosity	9.2 42			
pH / Fluid Loss	9.0 13.6			
Source of Sample	Flowline			
Rm @ Meas. Temp	.82 @ 40			
Rmf @ Meas. Temp	.62 @ 40			
Rmc @ Meas. Temp	1.11 @ 40			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.30 @ 110			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	110			
Equipment Number	15			
Location	Hays			
Recorded By	J. Henrickson			
Witnessed By	Jerry Green			

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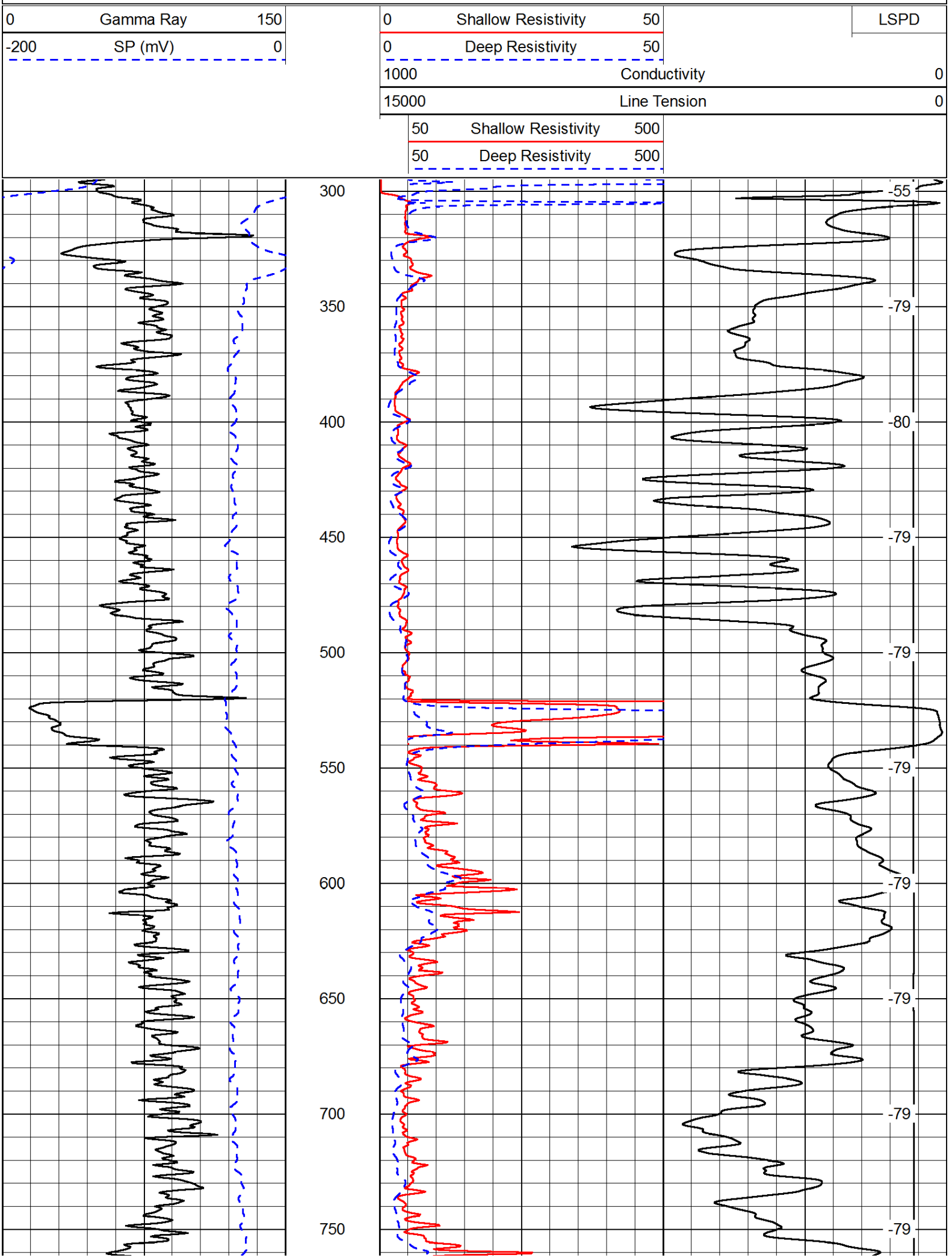
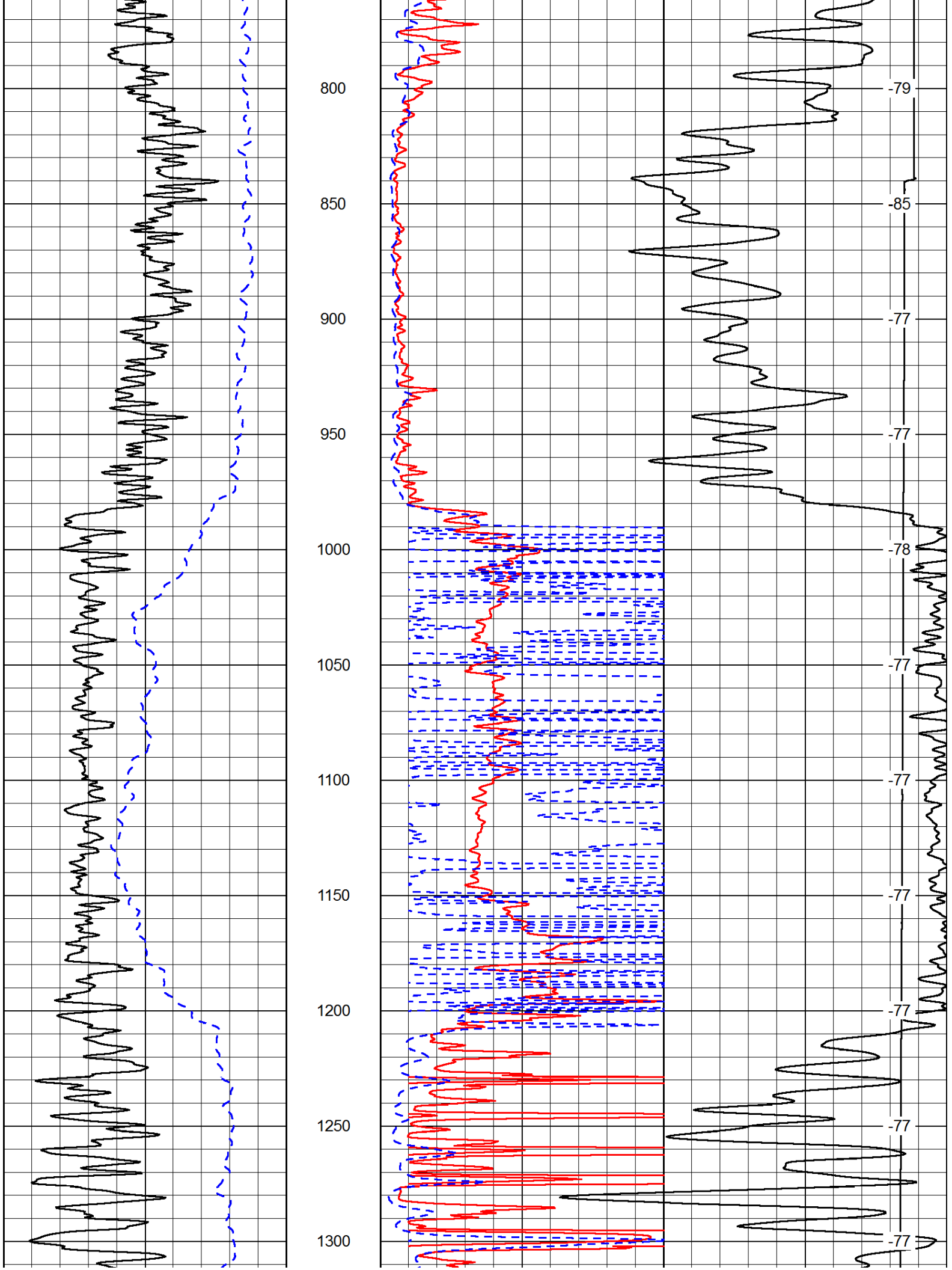
Comments

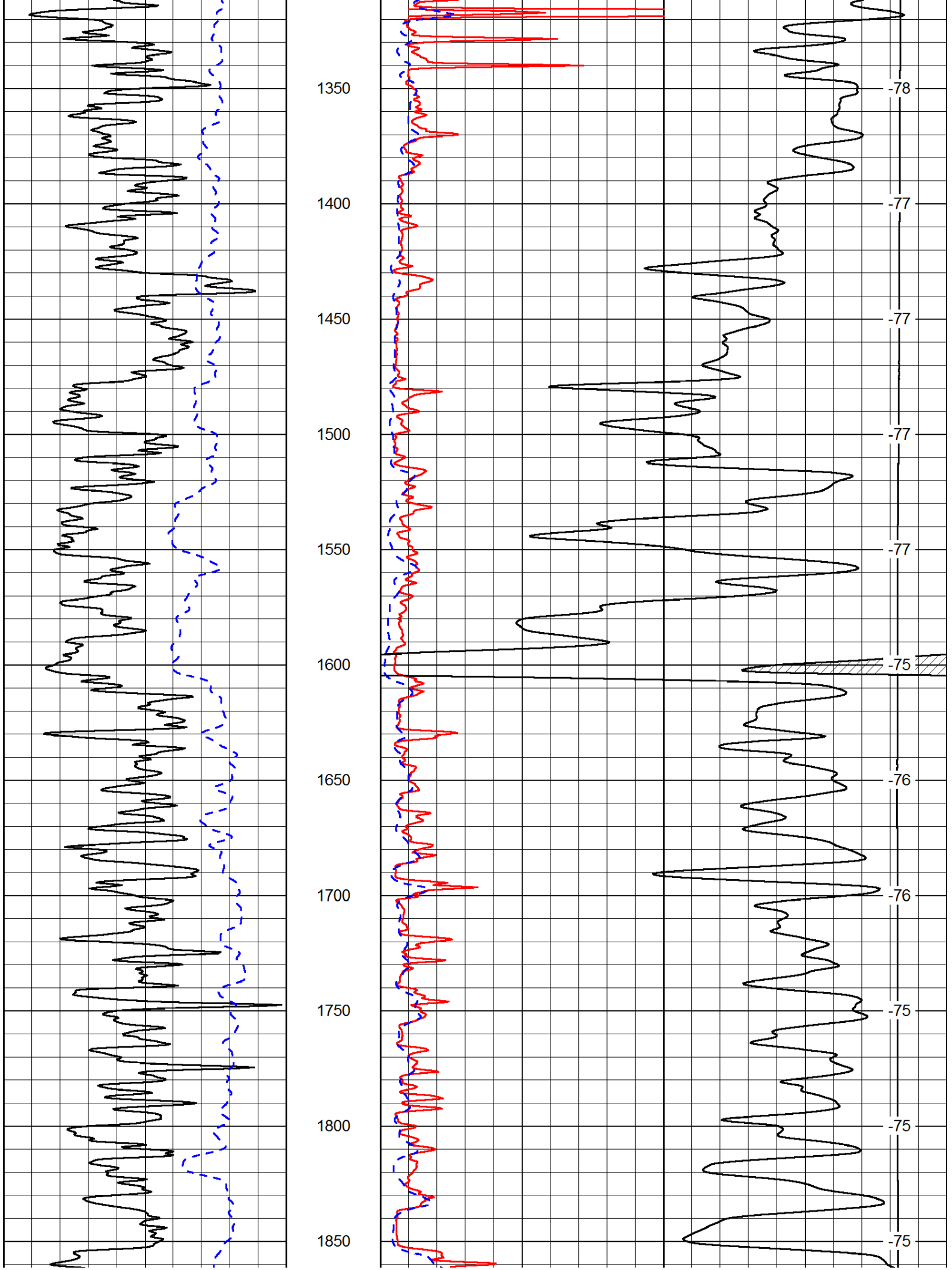
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

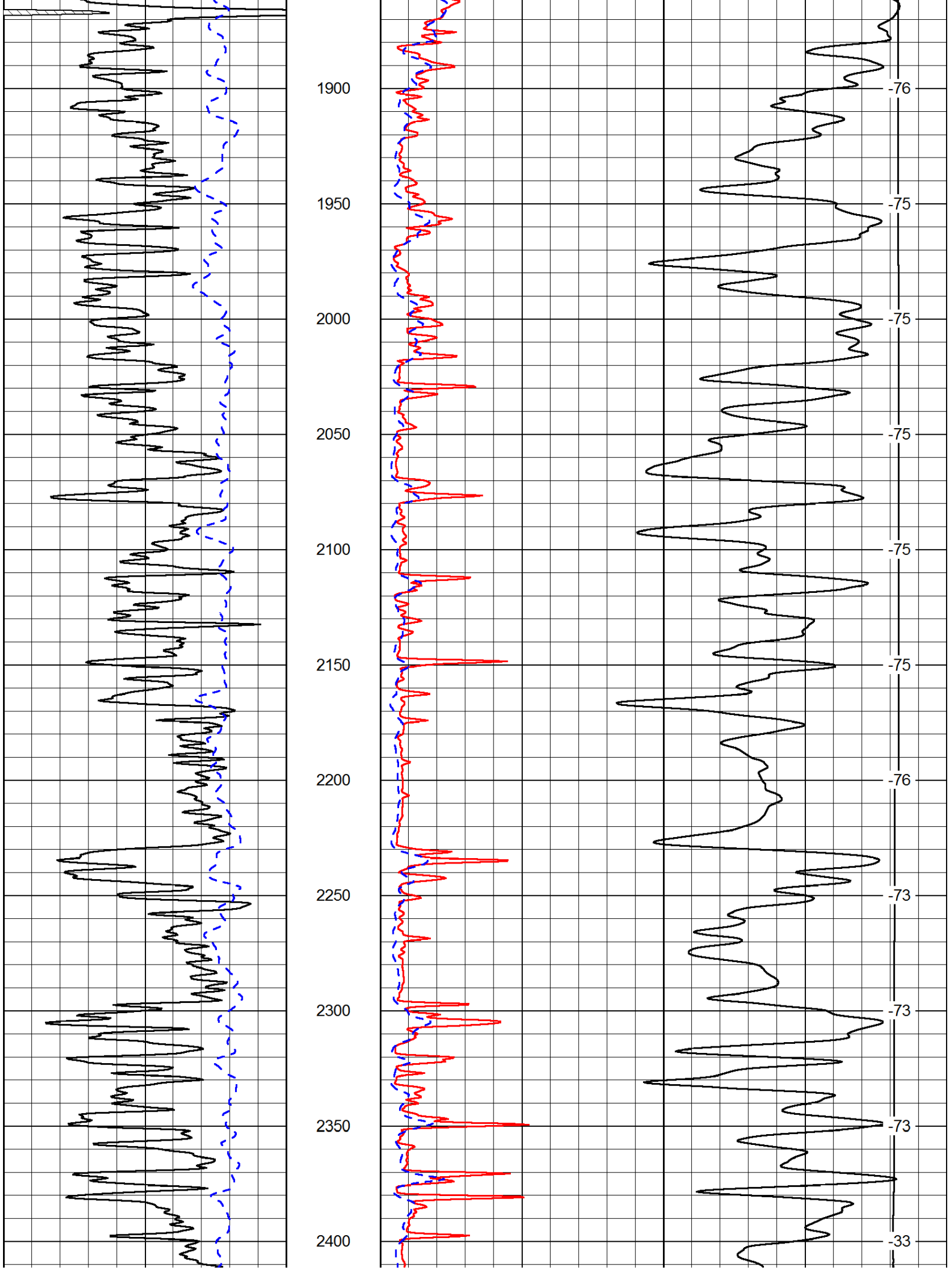
Bushton Kansas
2 East, 4 North, East Into

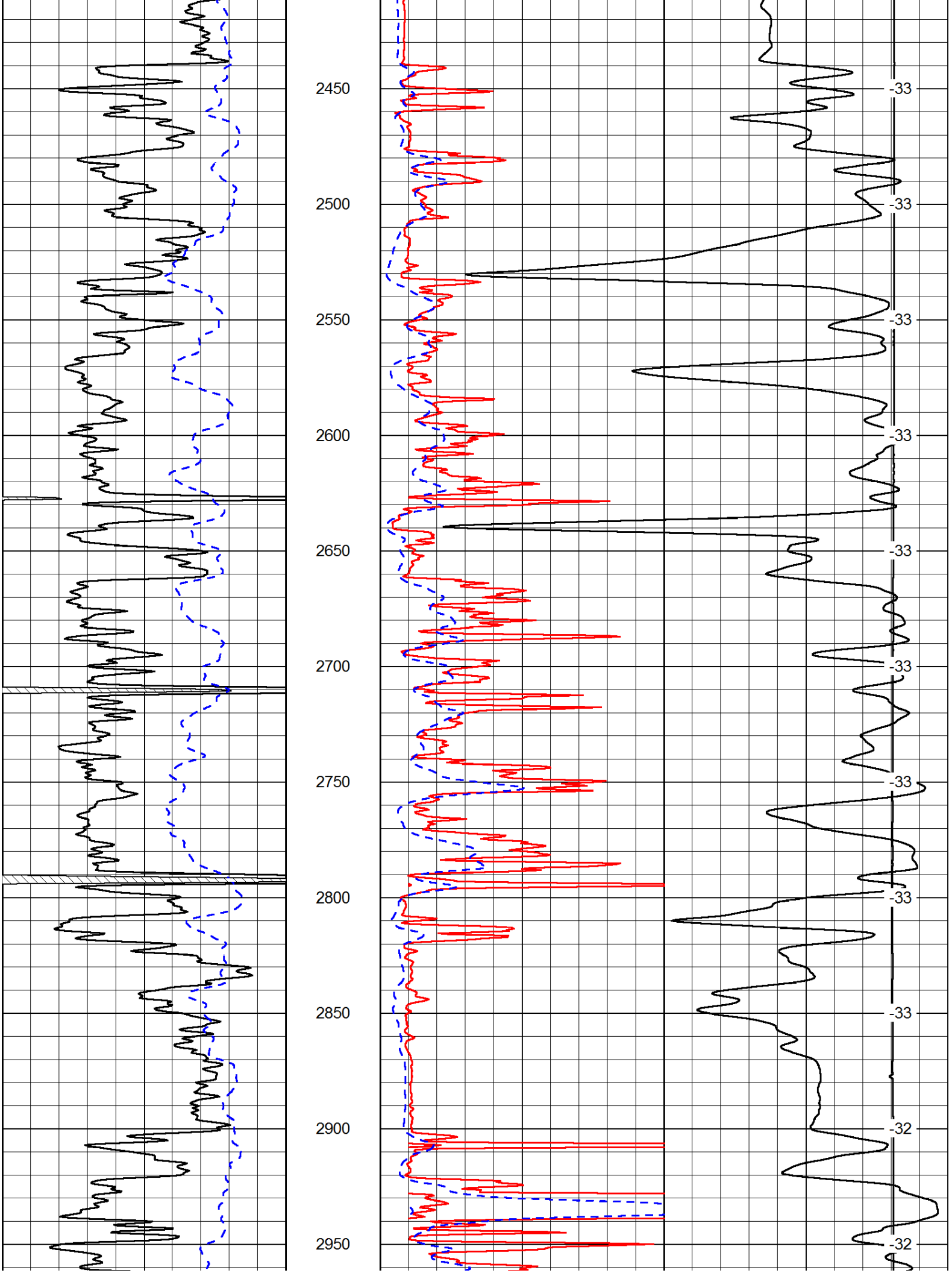
Database File:	c:\warrior\data\castle_mehl #1\castle_mehl_1hd.db
Dataset Pathname:	DIL/casstk
Presentation Format:	dil2in
Dataset Creation:	Mon Mar 03 22:50:56 2014
Charted by:	Depth in Feet scaled 1:600

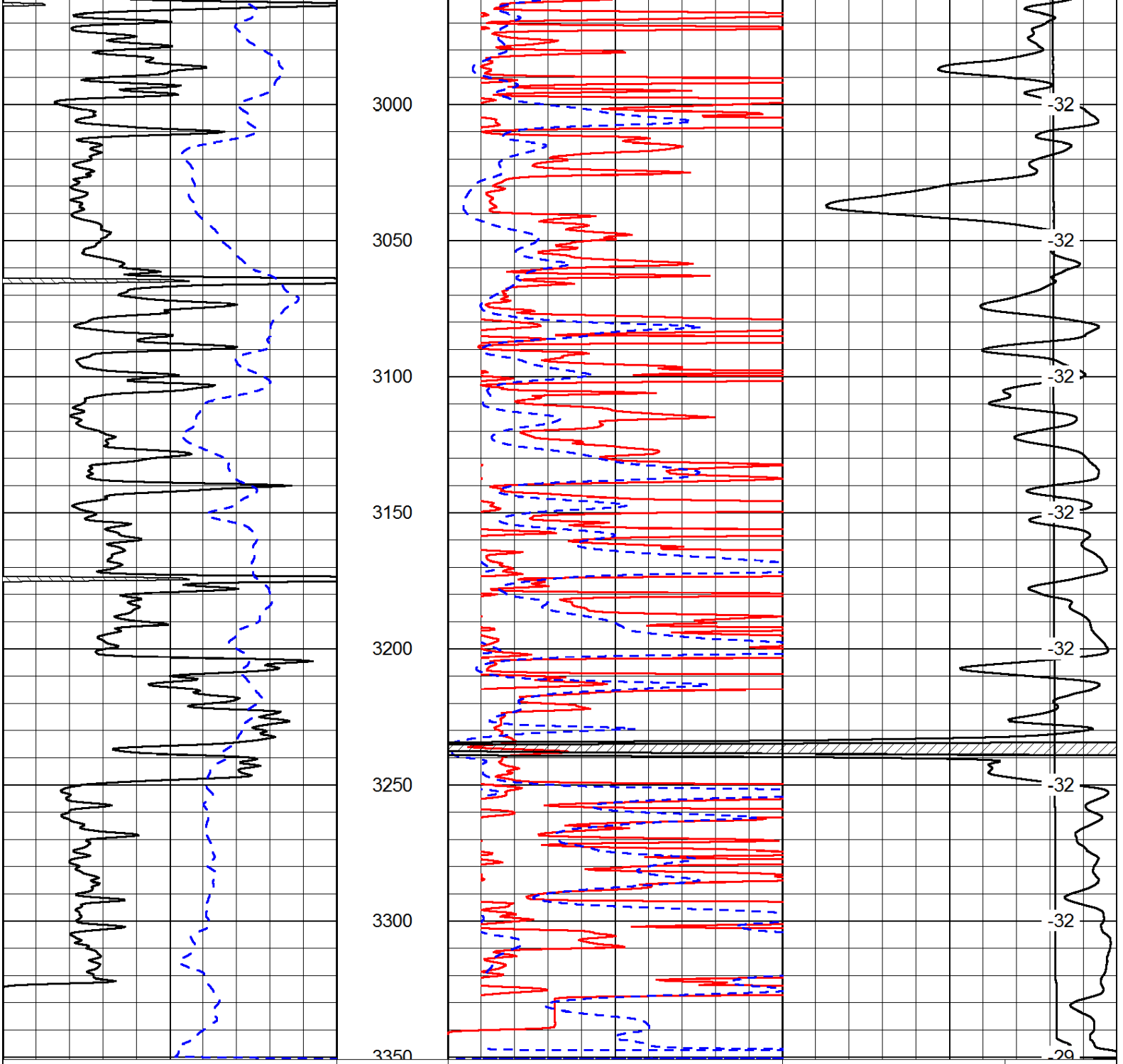

0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
300
350
400
450
500
550
600
650
700
750
-55
-79
-80
-79
-79
-79
-79
-79
-79
-79


800
850
900
950
1000
1050
1100
1150
1200
1250
1300
-79
-85
-77
-77
-78
-77
-77
-77
-77
-77
-77


1350
1400
1450
1500
1550
1600
1650
1700
1750
1800
1850
-78
-77
-77
-77
-77
-75
-76
-76
-75
-75
-75


1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
2400
-76
-75
-75
-75
-75
-76
-73
-73
-73
-33

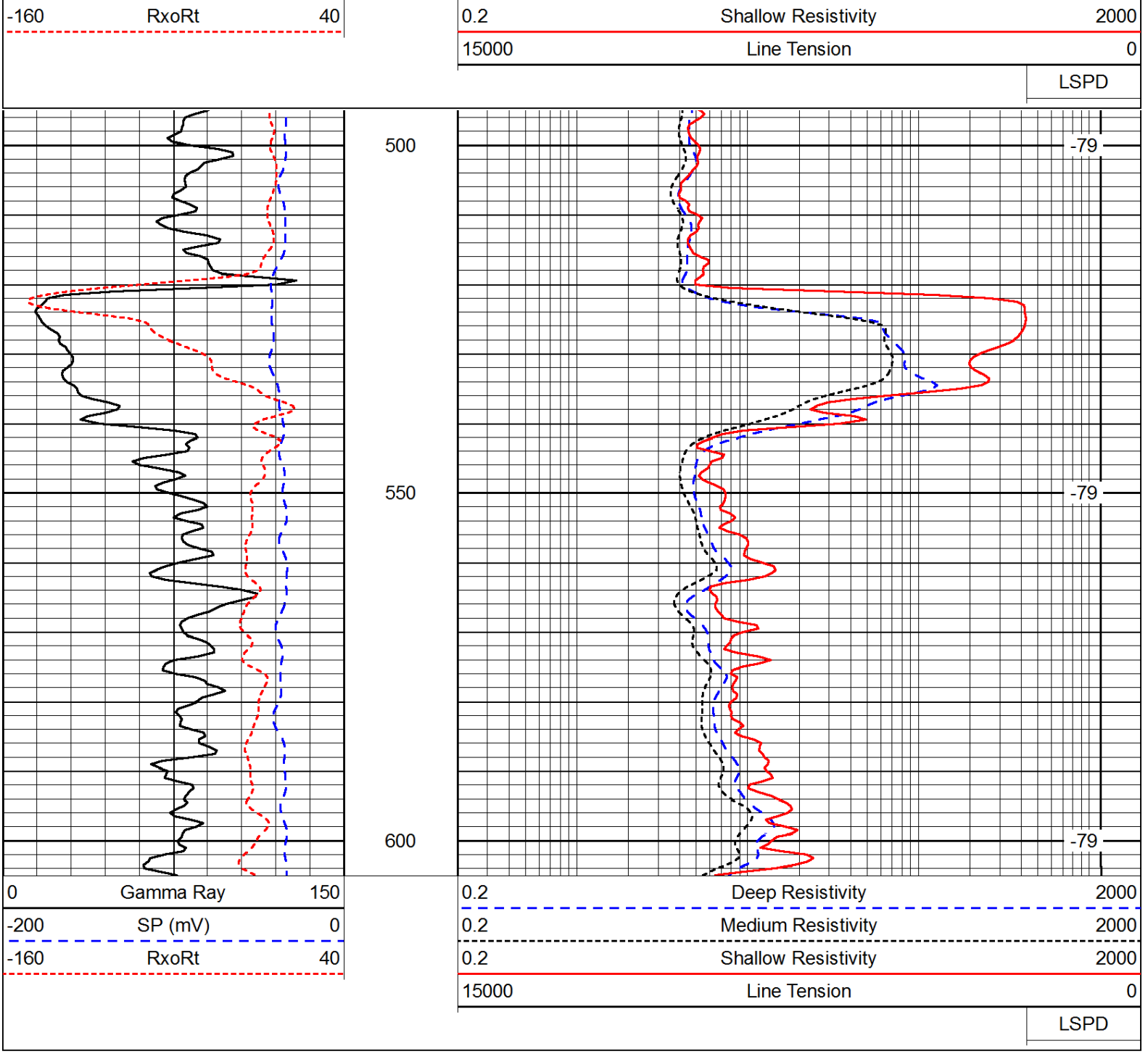

2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
-33
-33
-33
-33
-33
-33
-33
-33
-32
-32



Database File:	c:\warrior\data\castle_mehl #1\castle_mehl_1hd.db
Dataset Pathname:	DIL/casstk
Presentation Format:	dil
Dataset Creation:	Mon Mar 03 22:50:56 2014
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray	150
-200	SP (mV)	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000



Database File: c:\warrior\data\castle_mehl #1\castle_mehl_1hd.db
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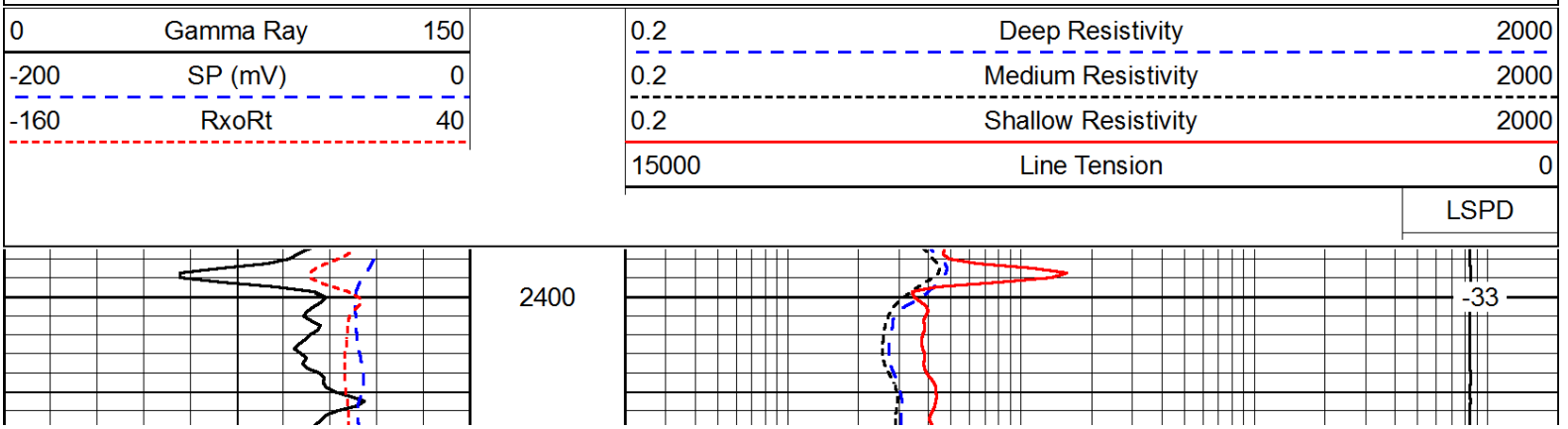
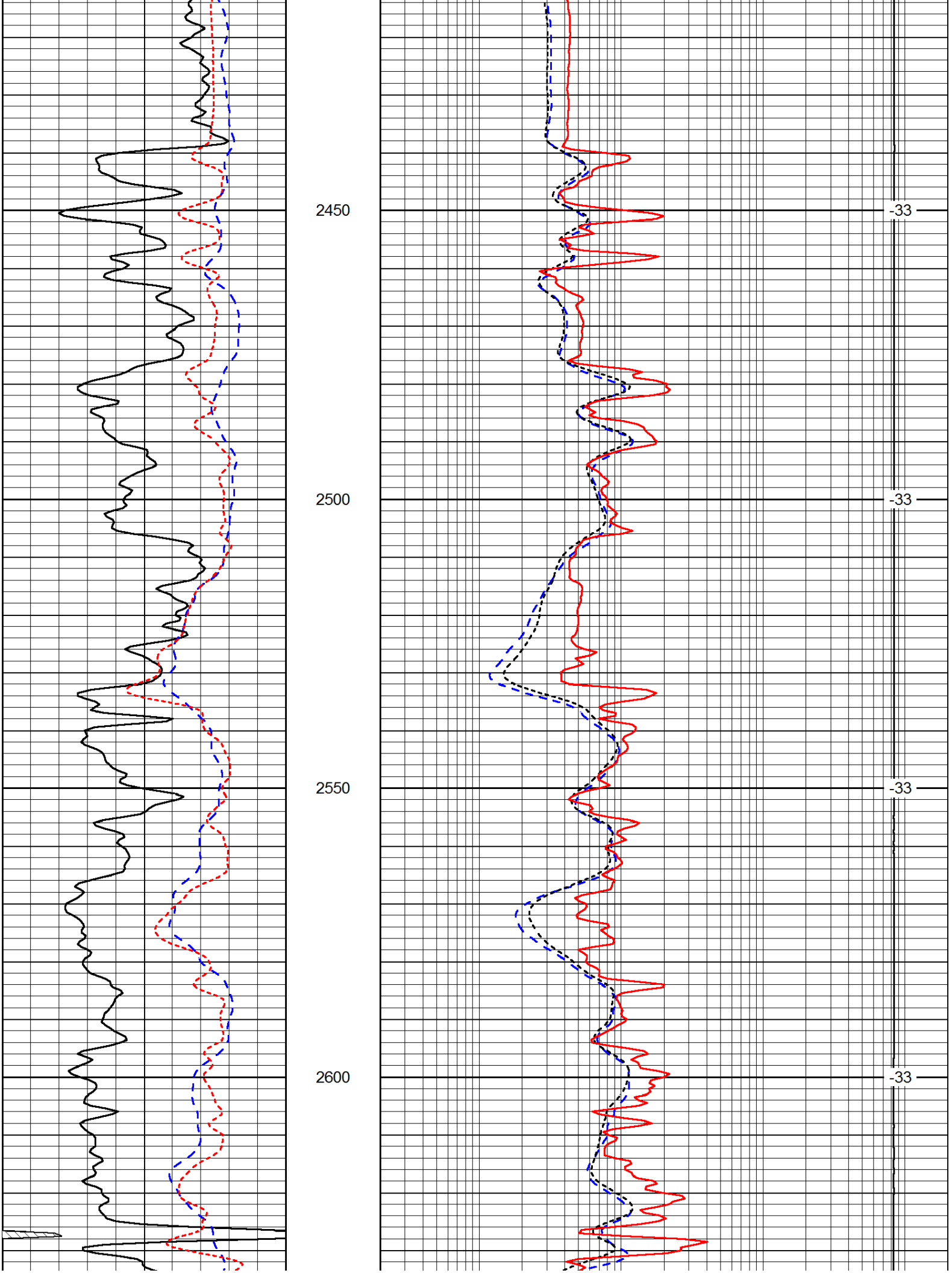
Charted by: Depth in Feet scaled 1:240

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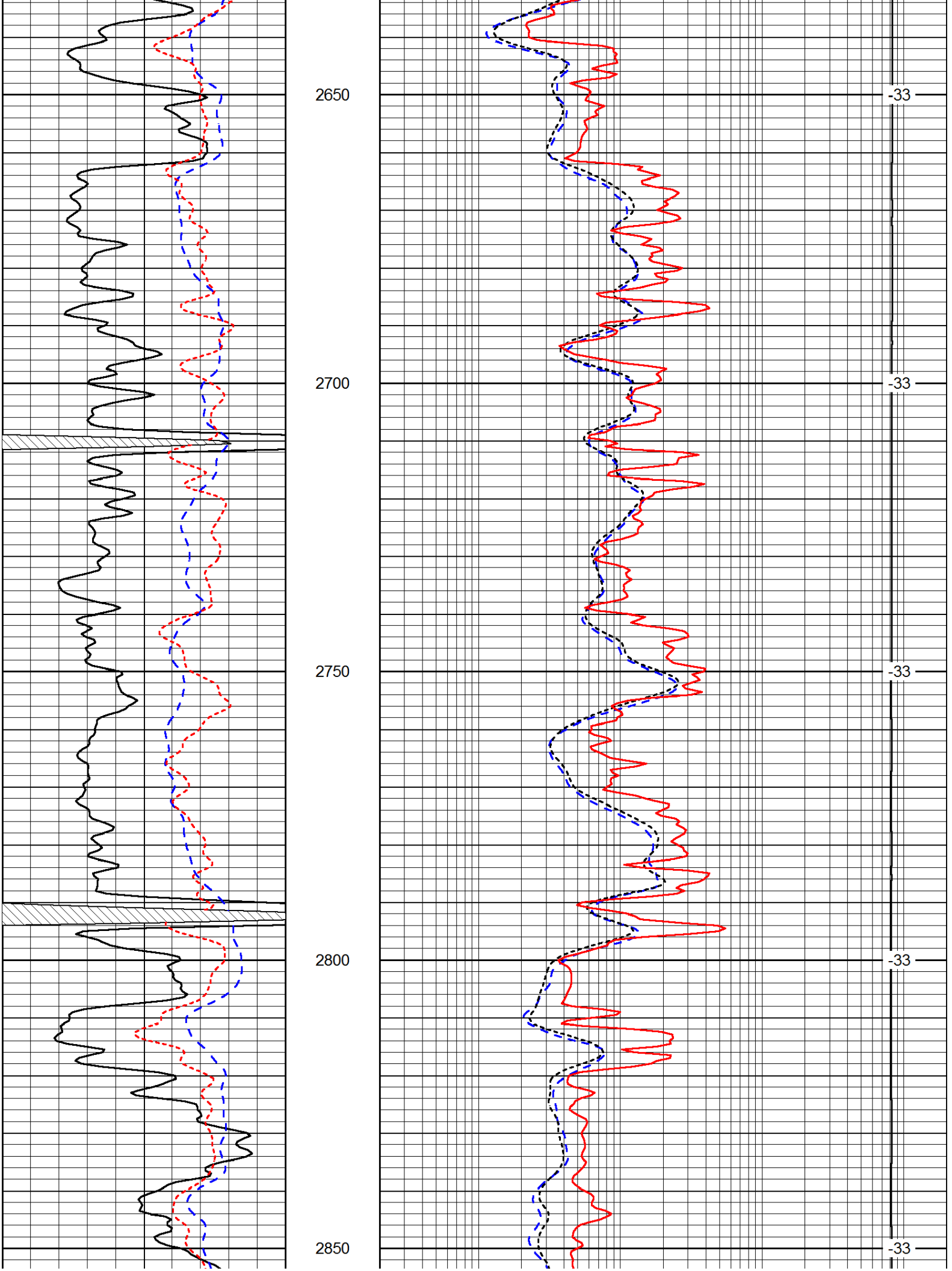
2500
2550
2600
-33
-33
-33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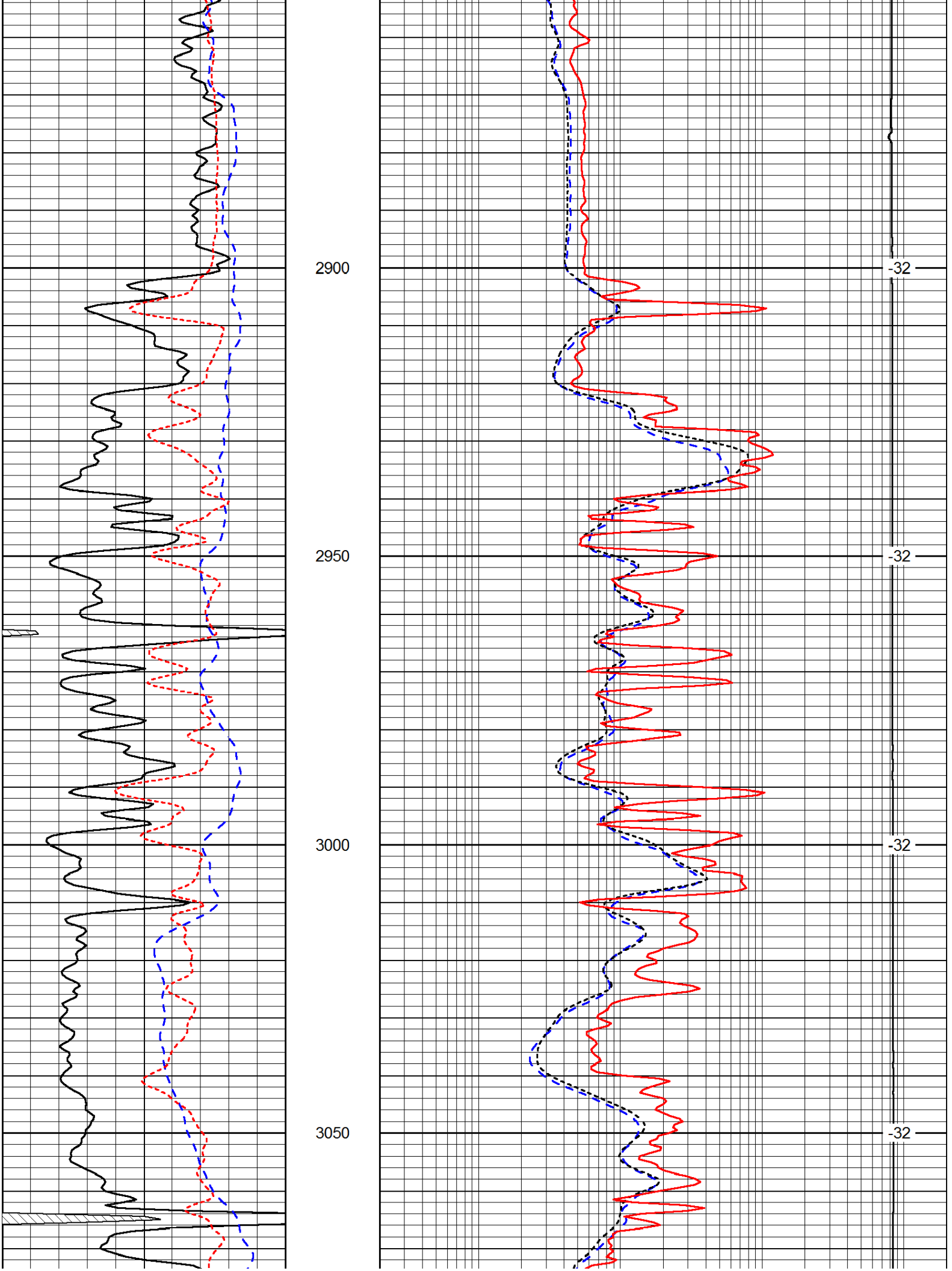
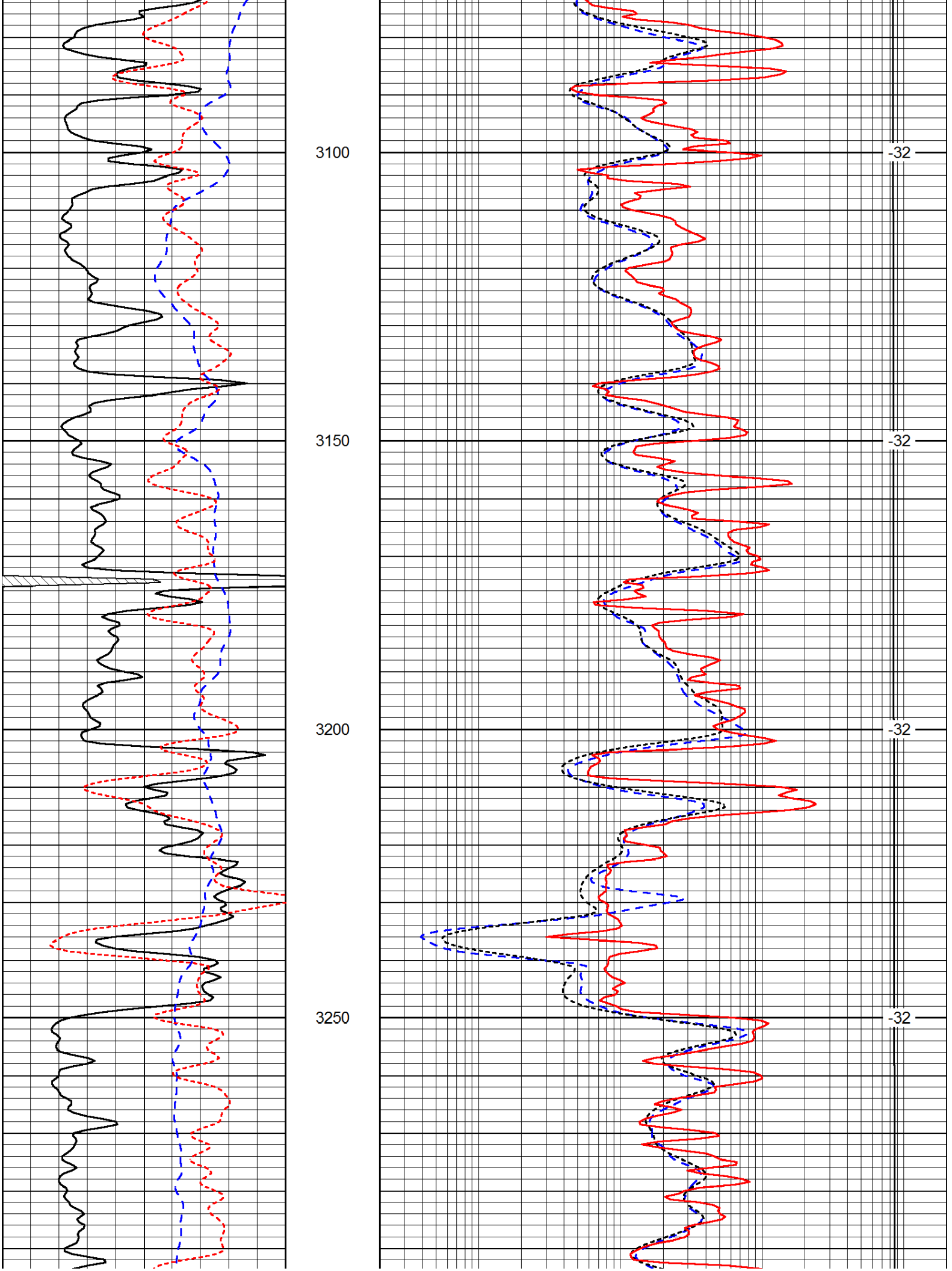
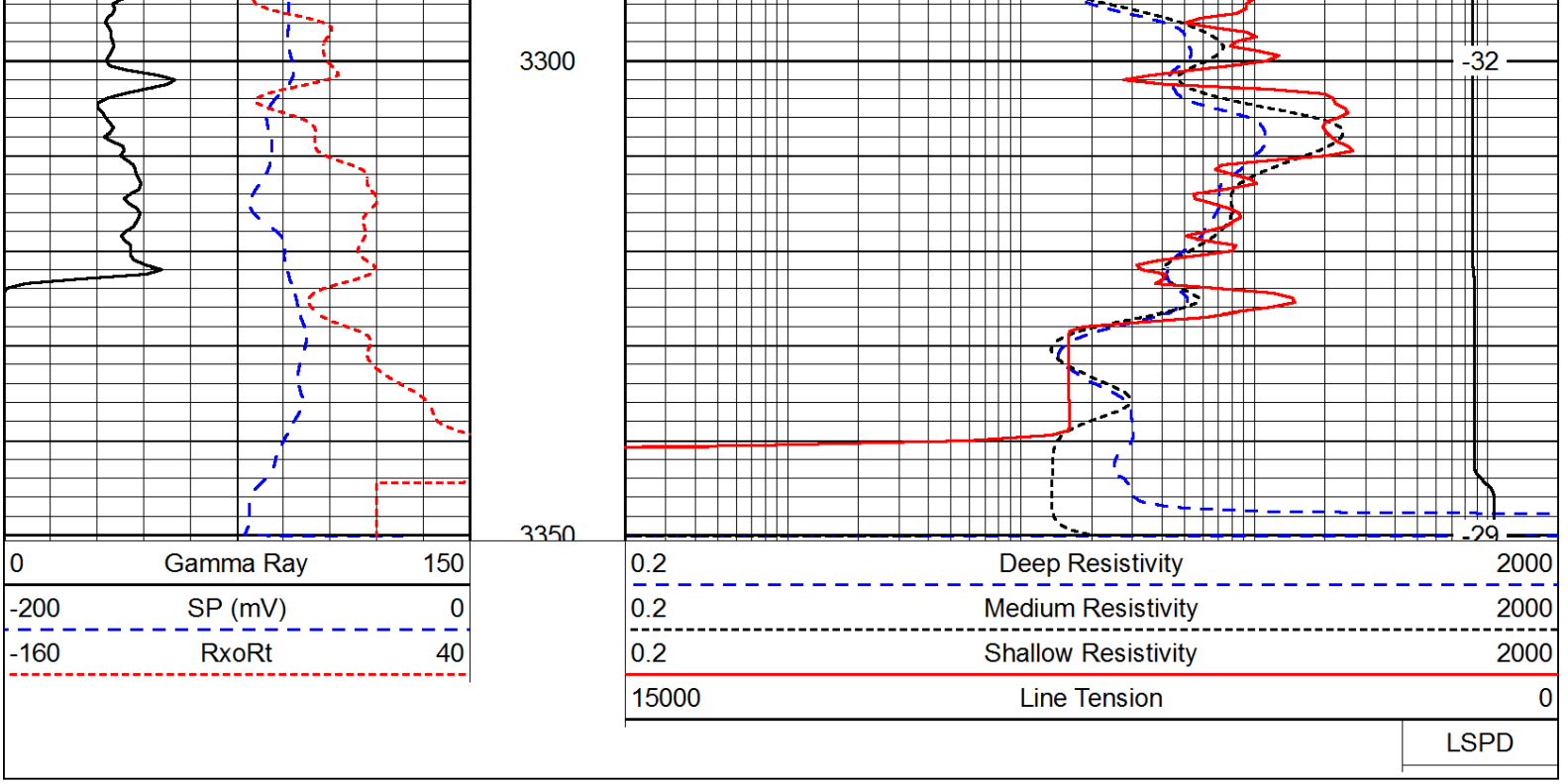
2700
2750
2800
2850
-33
-33
-33
-33
-33


2900
2950
3000
3050
-32
-32
-32
-32


3100
3150
3200
3250
-32
-32
-32
-32



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