PIONEER

Pioneer Energy Services

# Dual Induction Log

| | |
|---|---|
| Company | Val Energy, Inc. |
| Well | Standiford #2-25 |
| Field | Turner West |
| County | Cowley State Kansas |
| API No. | 15-035-24,573-00-00 |

Location: NE SW NE
3630' FSL & 2310' FEL
Sec: 25 Twp: 32S Rge: 5E

Other Services
CNL/CDL
MEL

Elevation
K.B.: 1252
D.F.:
G.L.: 1242

Permanent Datum: Ground Level
Log Measured From: Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From: Kelly Bushing

| | | | |
|---|---|---|---|
| Date | 5/12/2014 | | |
| Run Number | One | | |
| Depth Driller | 3520 | | |
| Depth Logger | 3525 | | |
| Bottom Logged Interval | 3524 | | |
| Top Log Interval | 200 | | |
| Casing Driller | 8.625 @ 217 | | |
| Casing Logger | 215 | | |
| Bit Size | 7.875 | | |
| Type Fluid in Hole | Chemical | | |
| Salinity,ppm CL | 900 | | |
| Density / Viscosity | 9.3 \| 55 | | |
| pH / Fluid Loss | 11.0 \| 8.8 | | |
| Source of Sample | Flowline | | |
| Rm @ Meas. Temp | 1.10 @ 85 | | |
| Rmf @ Meas. Temp | 0.83 @ 85 | | |
| Rmc @ Meas. Temp | 1.49 @ 85 | | |
| Source of Rmf / Rmc | Charts | | |
| Rm @ BHT | 0.84 @ 111 | | |
| Operating Rig Time | 4 Hours | | |
| Max. Rec. Temp. F | 111 | | |
| Equipment Number | 15 | | |
| Location | Hays | | |
| Recorded By | D.Kerr | | |
| Witnessed By | Joe Baker | | |

<<< Fold Here >>>

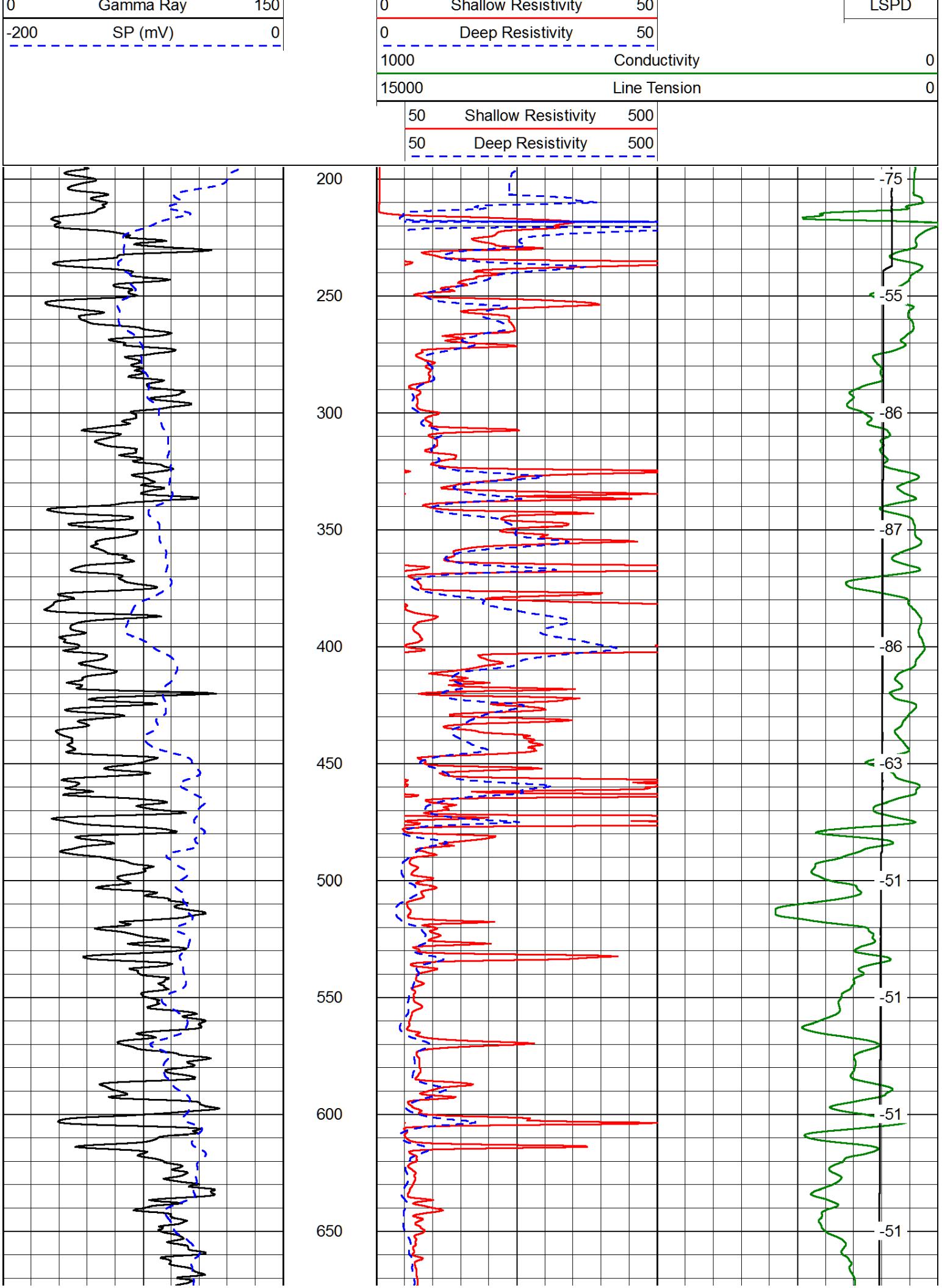


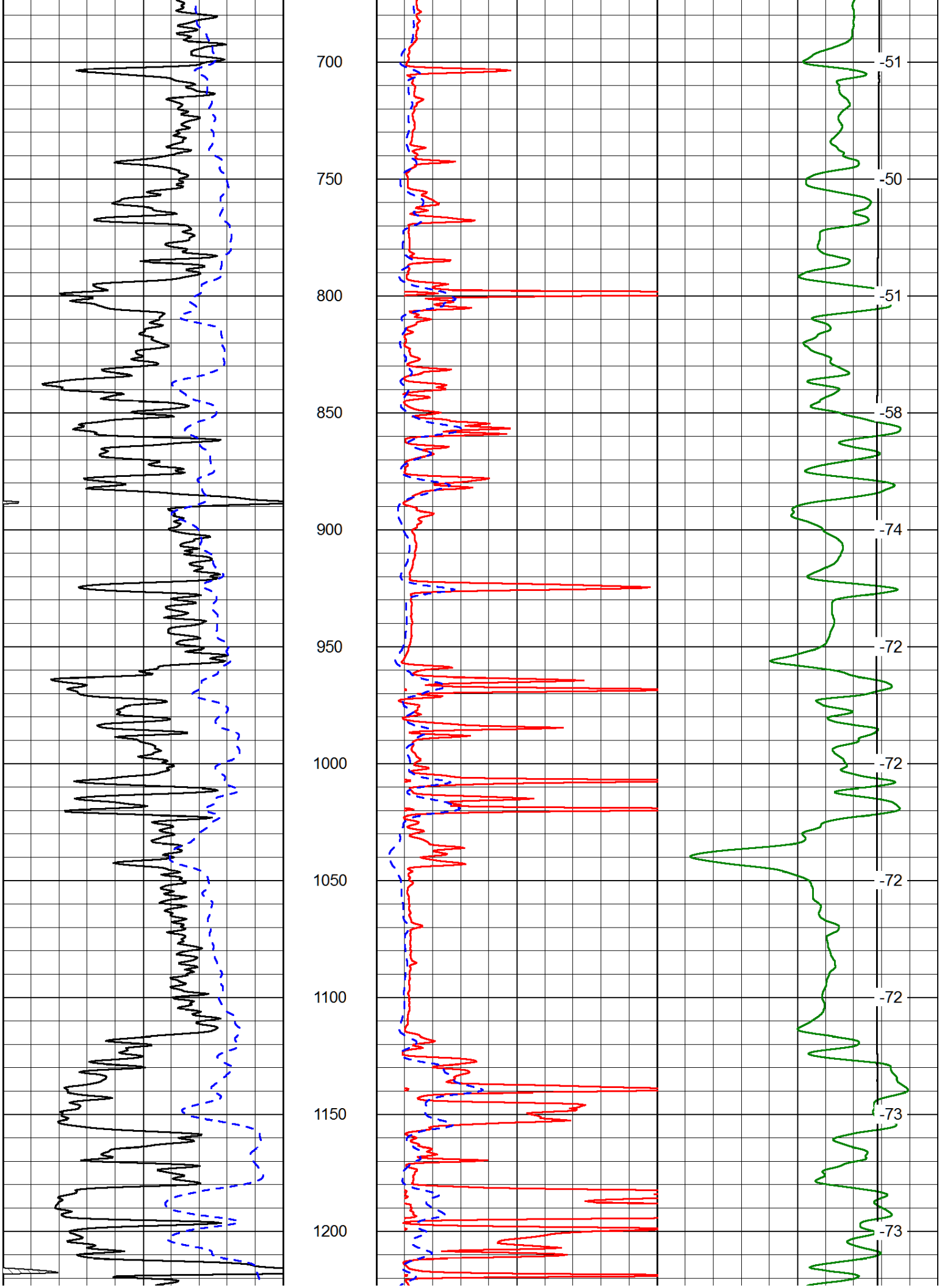
## Comments

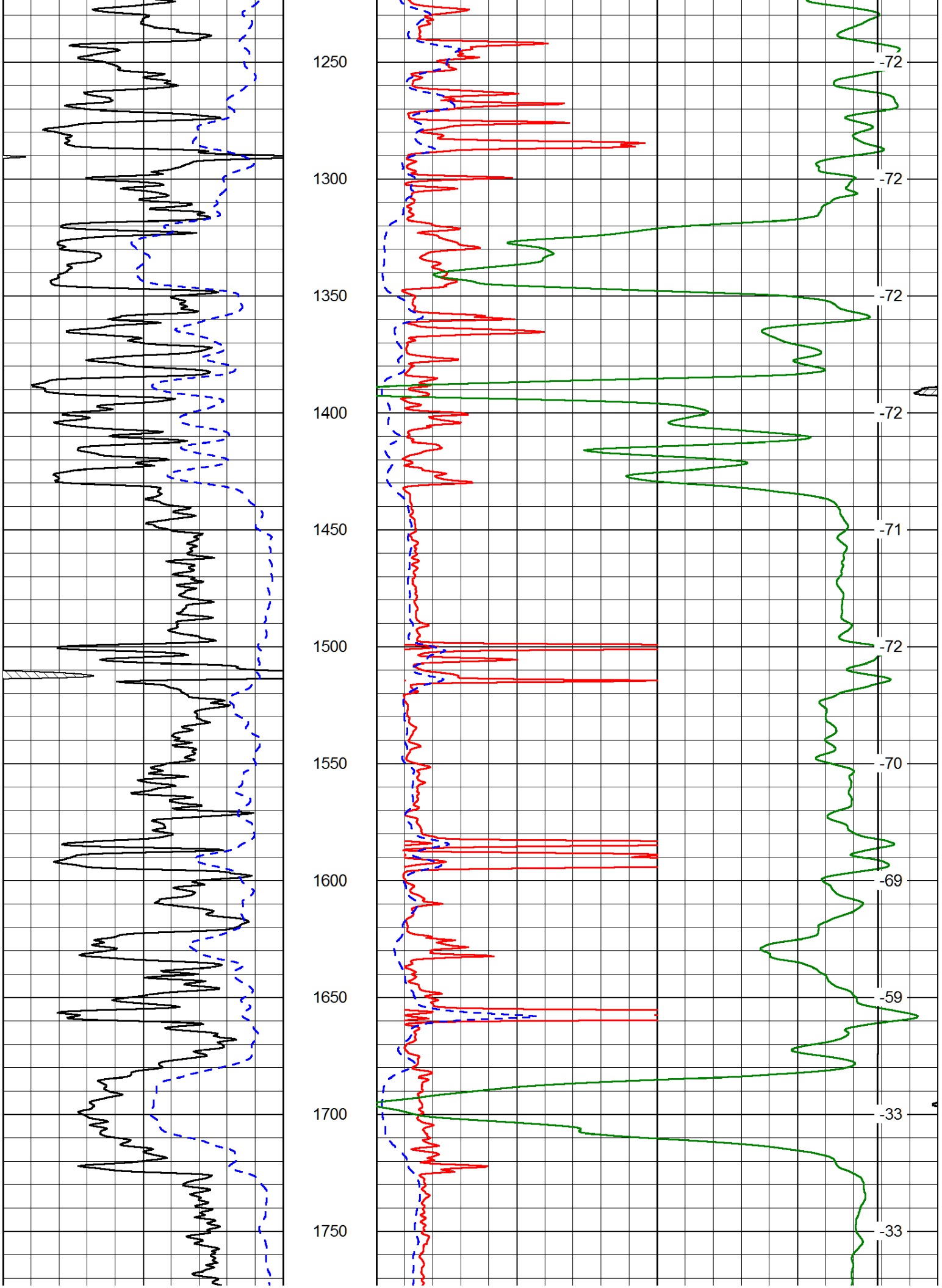
Thank you for using Log-Tech, Inc.
(785) 625-3858

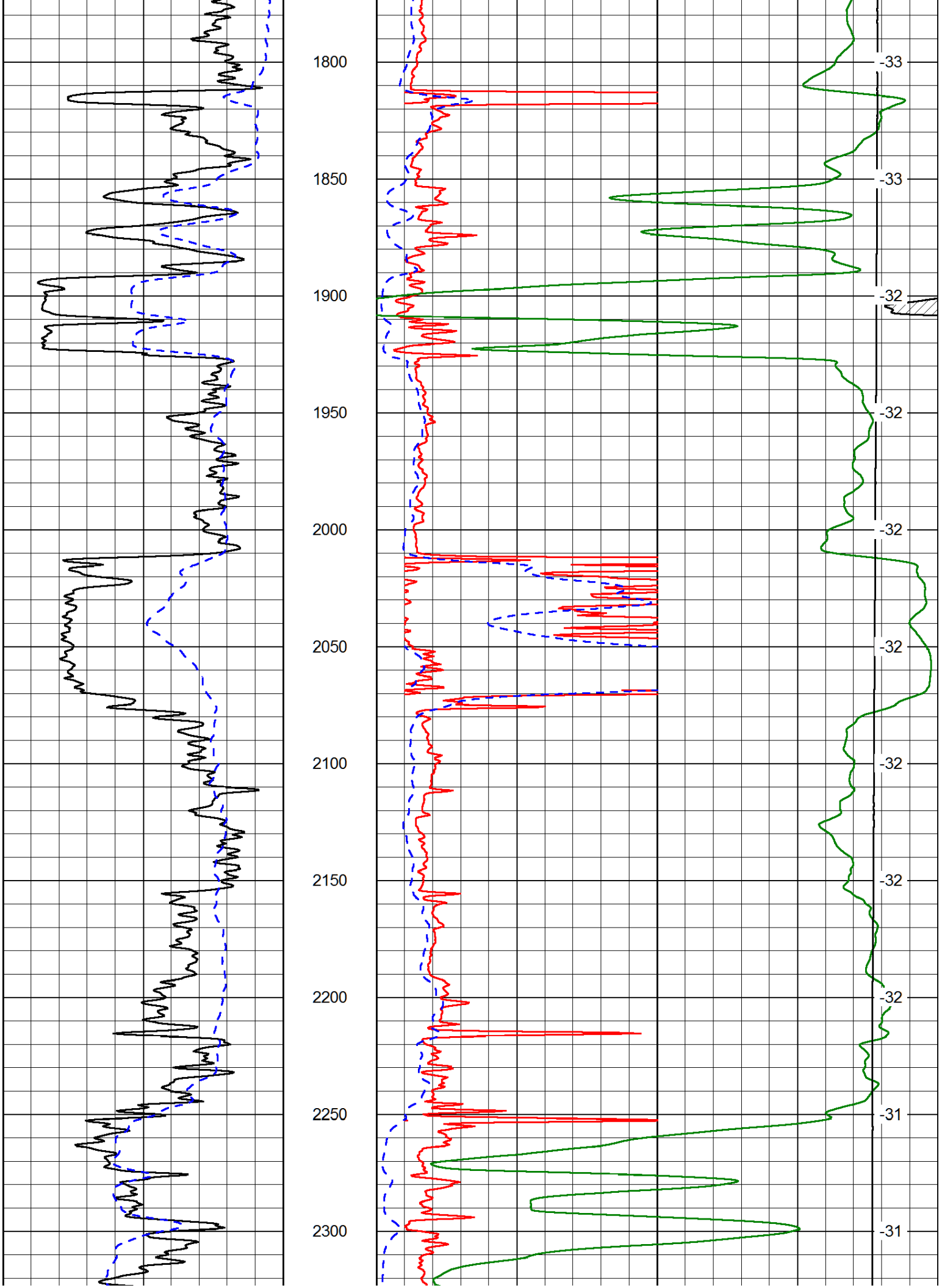
Winfield KS, 8 East, 1/4 South to Tanks,
West Into Keep Right at Gate

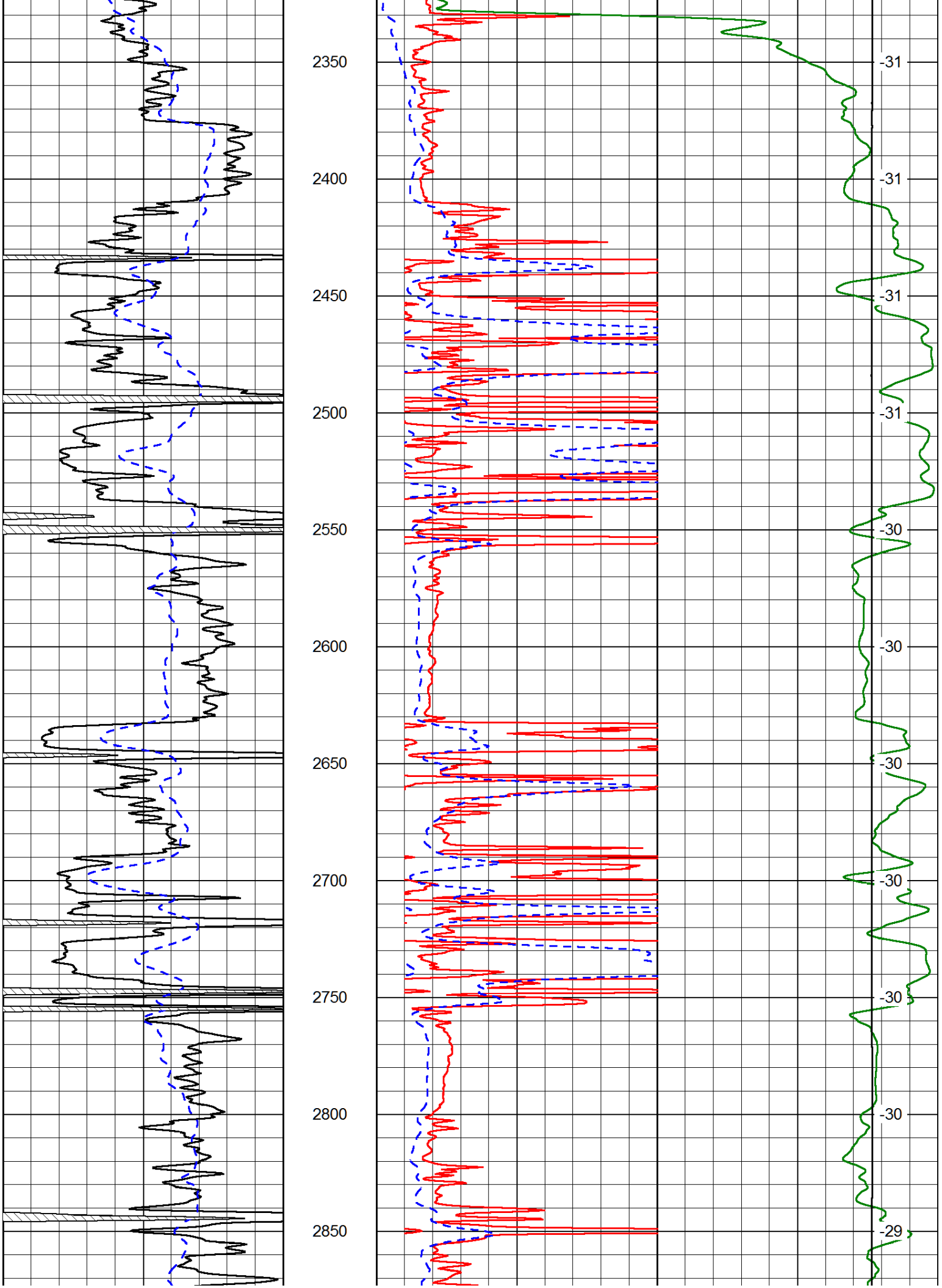
| | |
|---|---|
| Database File: | val_standiford_2_25hd.db |
| Dataset Pathname: | DIL/valstk |
| Presentation Format: | dil2in |
| Dataset Creation: | Mon May 12 01:53:09 2014 |
| Charted by: | Depth in Feet scaled 1:600 |

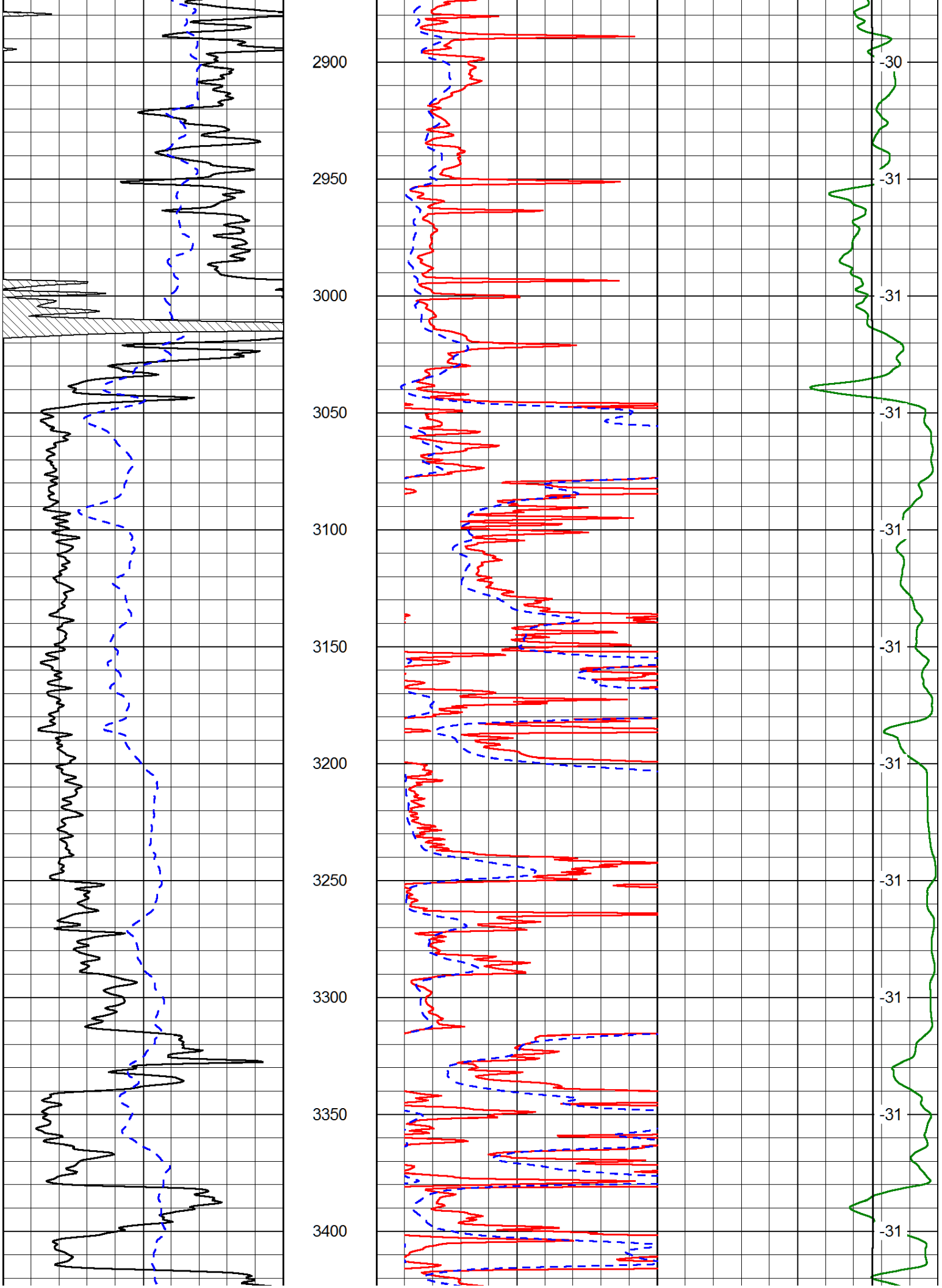

0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
200
250
300
350
400
450
500
550
600
650
-75
-55
-86
-87
-86
-63
-51
-51
-51
-51

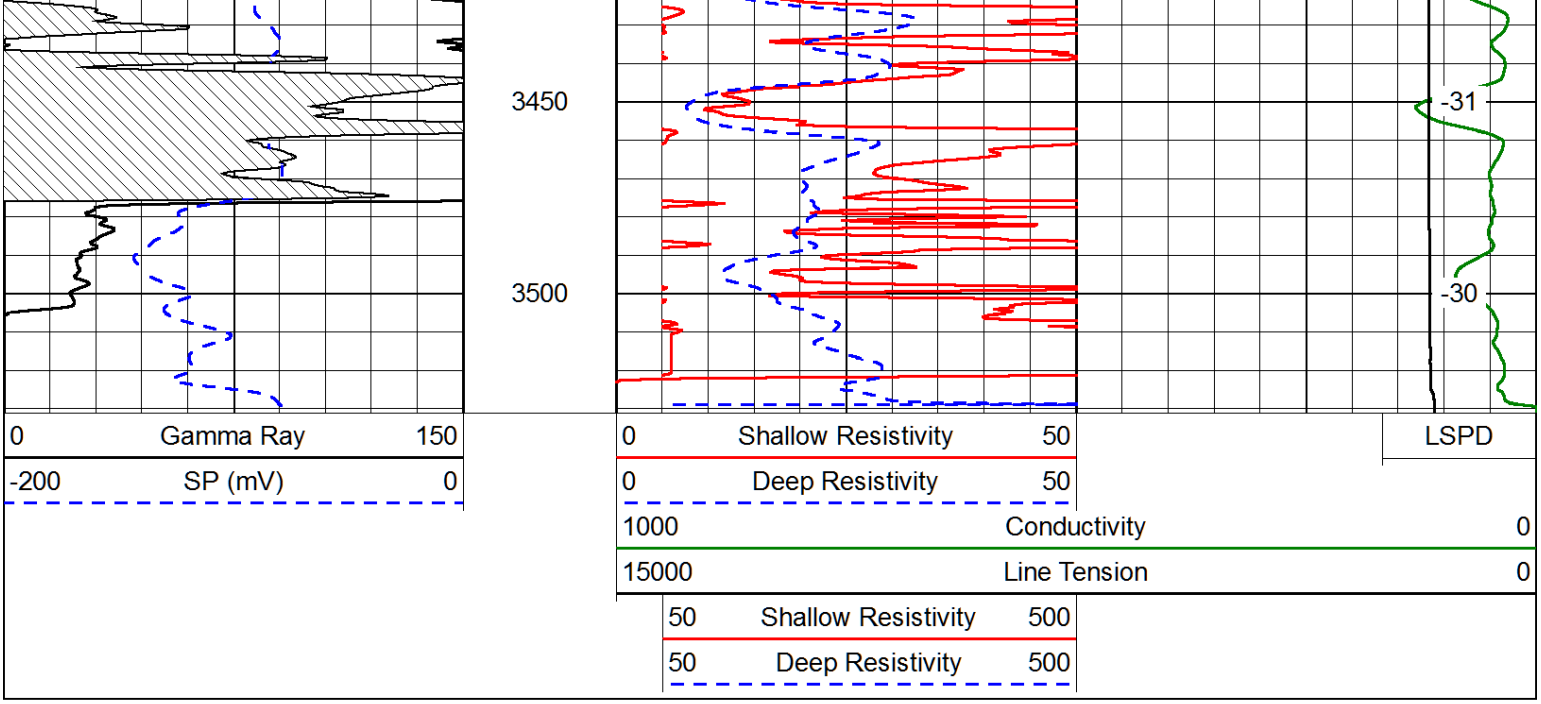

700
750
800
850
900
950
1000
1050
1100
1150
1200
-51
-50
-51
-58
-74
-72
-72
-72
-72
-73
-73


1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
-72
-72
-72
-72
-71
-72
-70
-69
-59
-33
-33

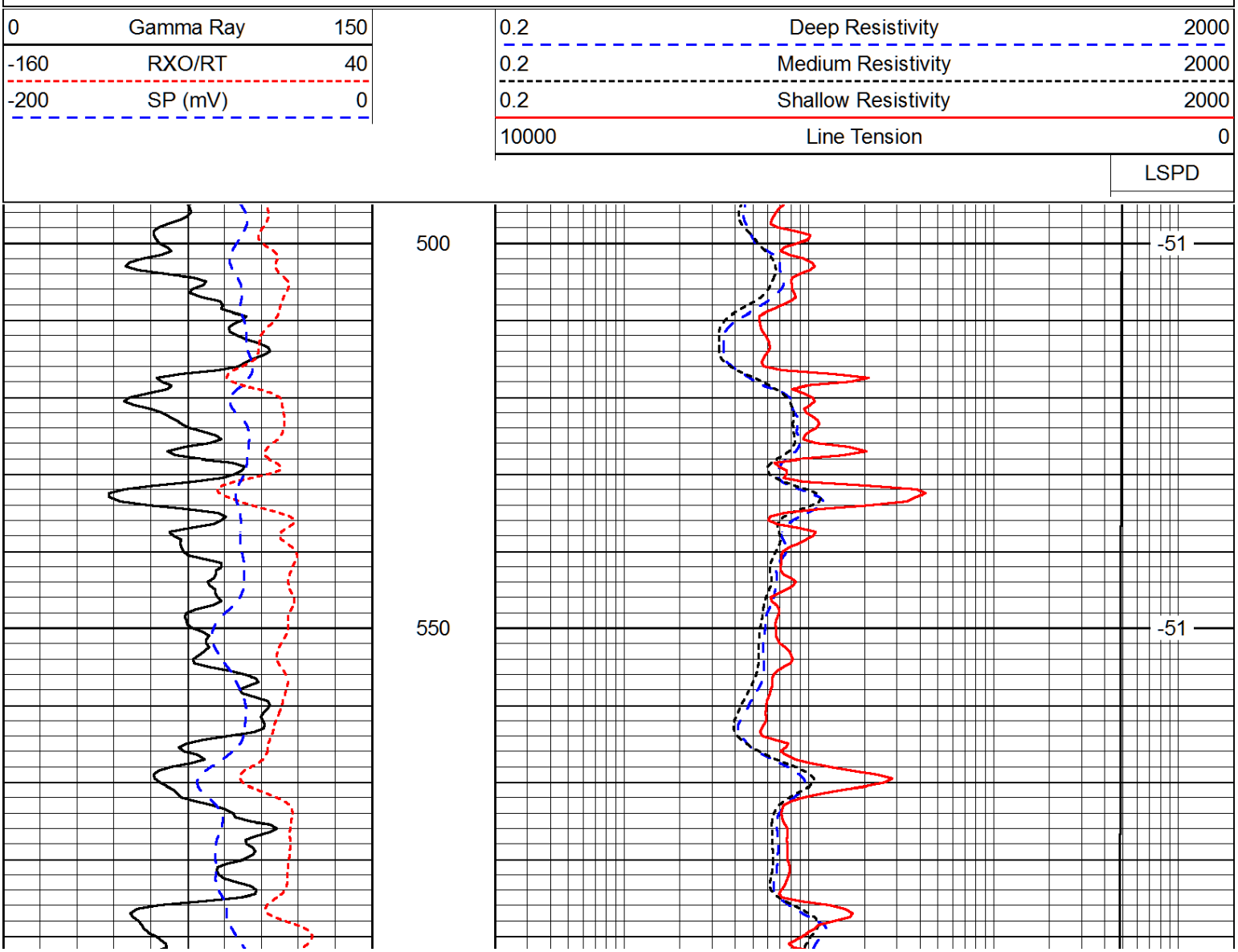

1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
-33
-33
-32
-32
-32
-32
-32
-32
-32
-31
-31

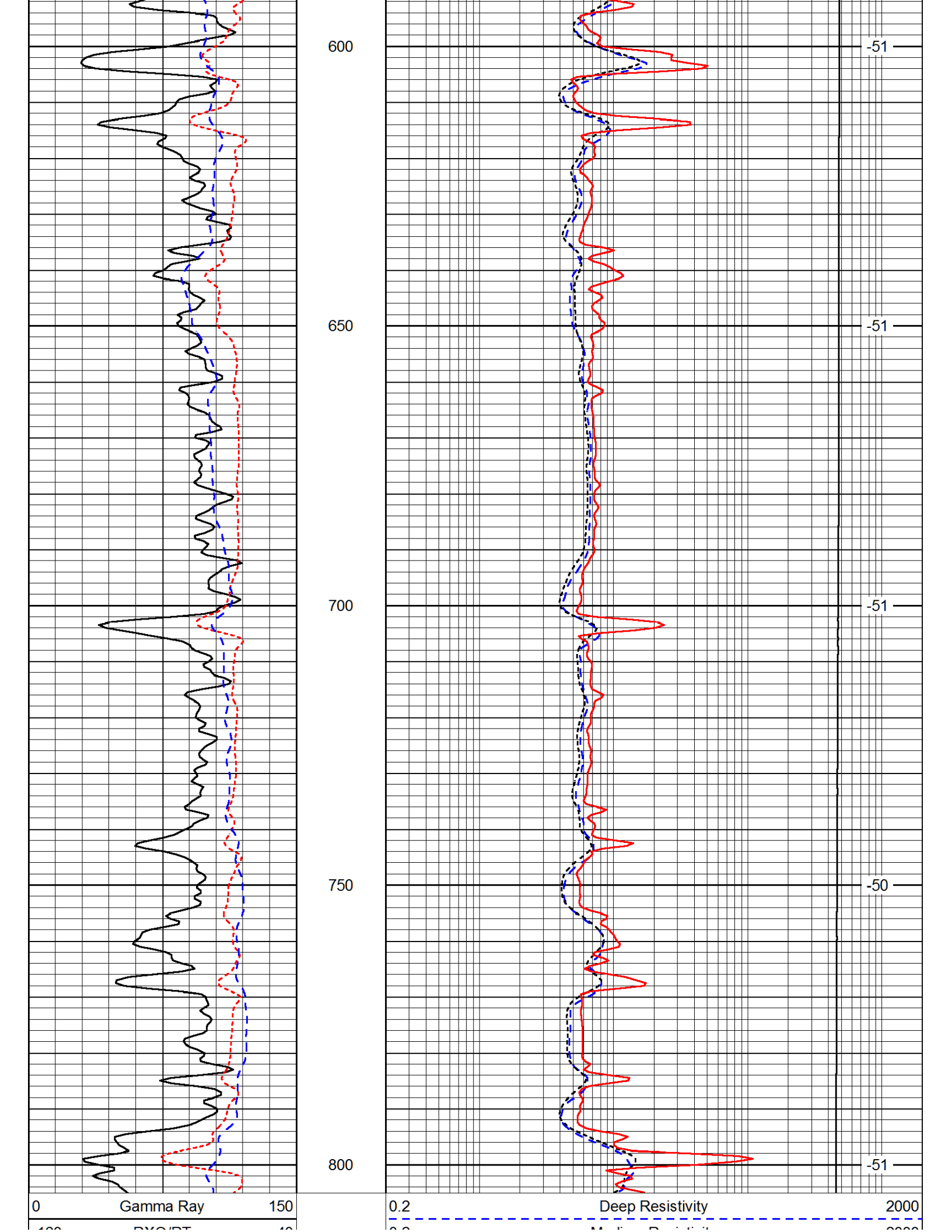

2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
-31
-31
-31
-30
-30
-30
-30
-30
-29


2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
-30
-31
-31
-31
-31
-31
-31
-31
-31
-31
-31




Database File: val_standiford_2_25hd.db
Dataset Pathname: DIL/valstk
Presentation Format: dil
Dataset Creation: Mon May 12 01:53:09 2014
Charted by: Depth in Feet scaled 1:240




600
650
700
750
800
-51
-51
-51
-50
-51
0
Gamma Ray
150
0.2
Deep Resistivity
2000

| | | |
|---|---|---|
| -160 | RXO/RT | 40 |
| -200 | SP (mV) | 0 |

| | | |
|---|---|---|
| 0.2 | Medium Resistivity | 2000 |
| 0.2 | Shallow Resistivity | 2000 |
| 10000 | Line Tension | 0 |

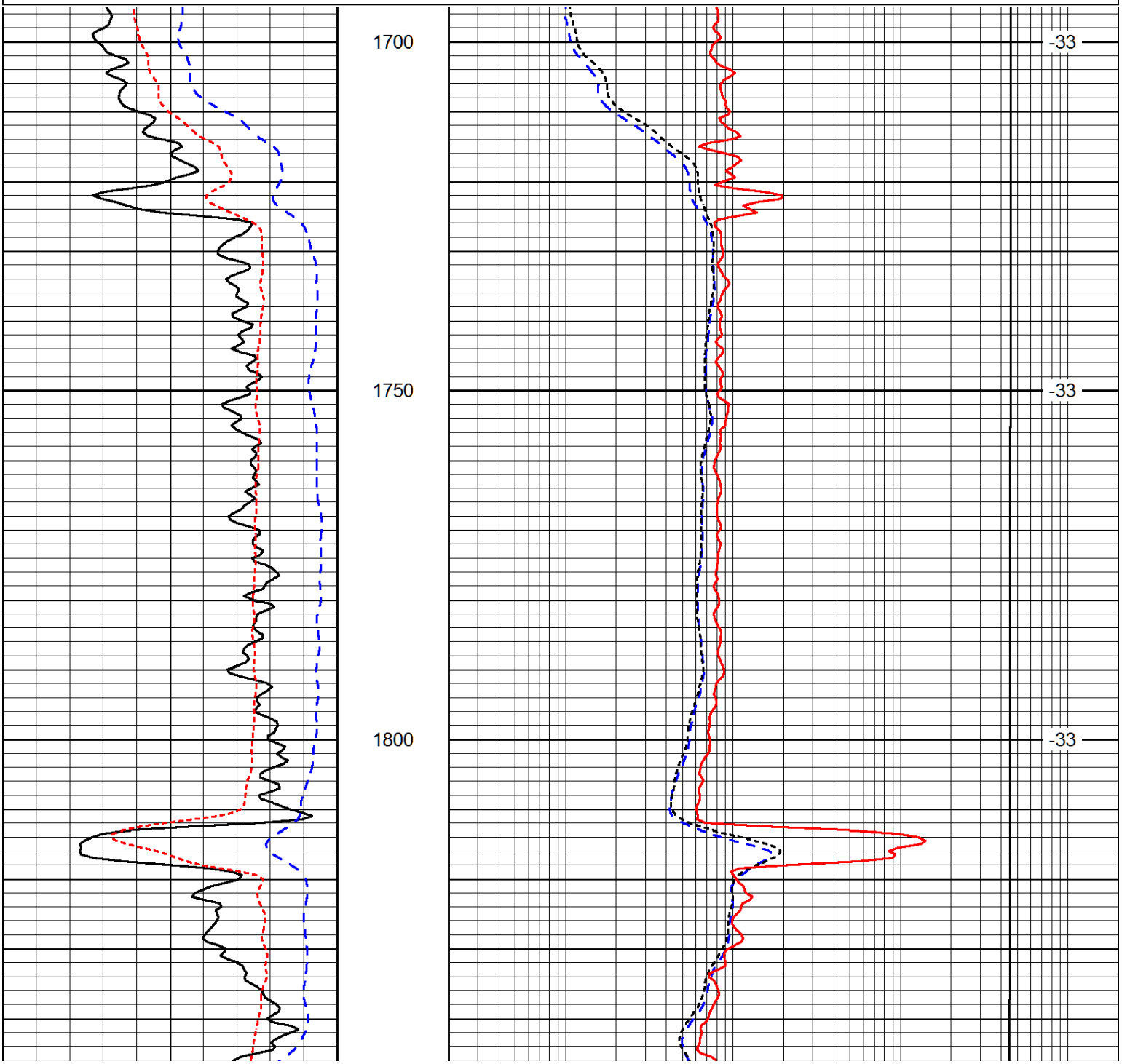
LSPD

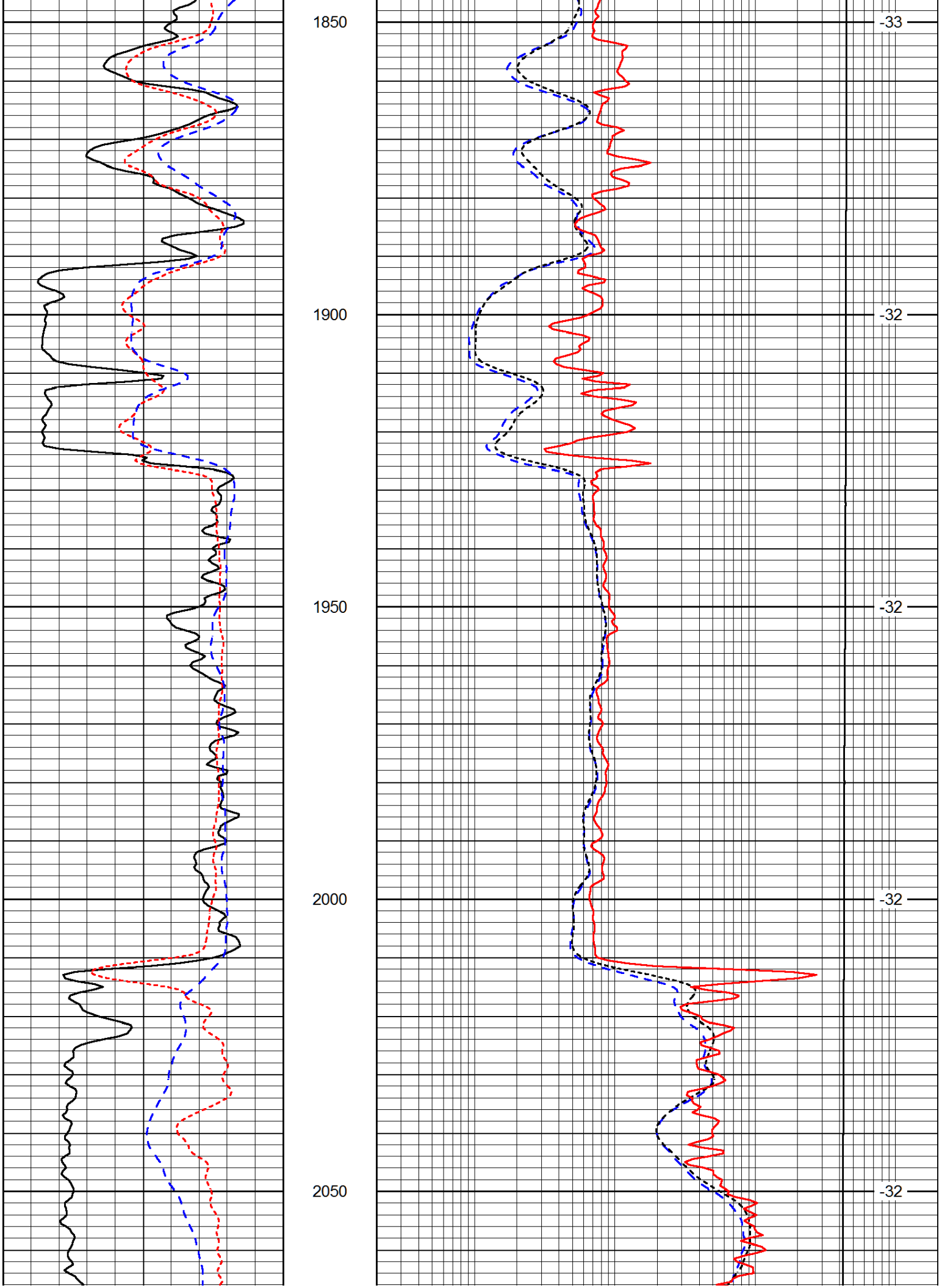
Database File: val_standiford_2_25hd.db
Dataset Pathname: DIL/valstk
Presentation Format: dil
Dataset Creation: Mon May 12 01:53:09 2014
Charted by: Depth in Feet scaled 1:240

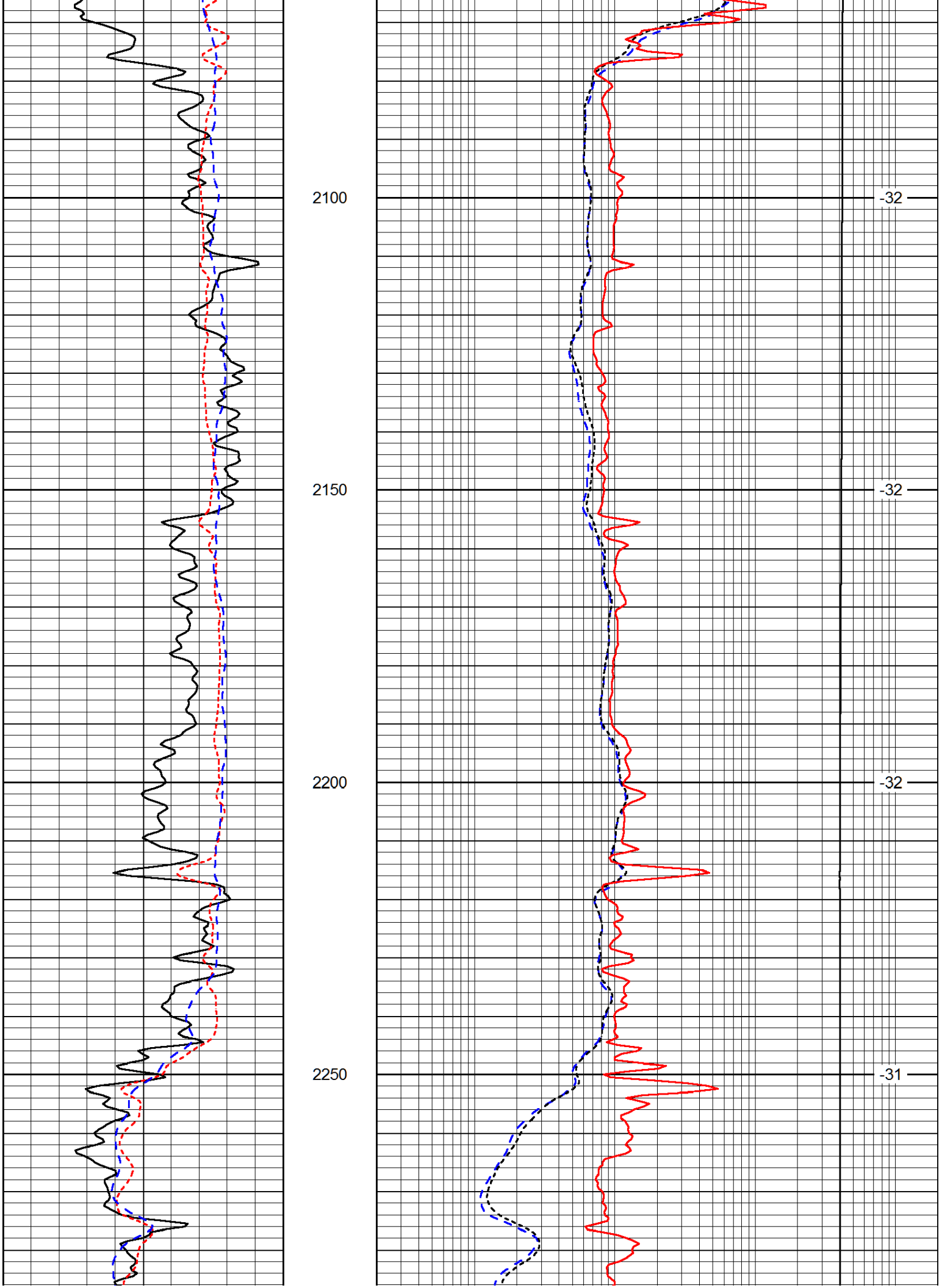
| | | |
|---|---|---|
| 0 | Gamma Ray | 150 |
| -160 | RXO/RT | 40 |
| -200 | SP (mV) | 0 |

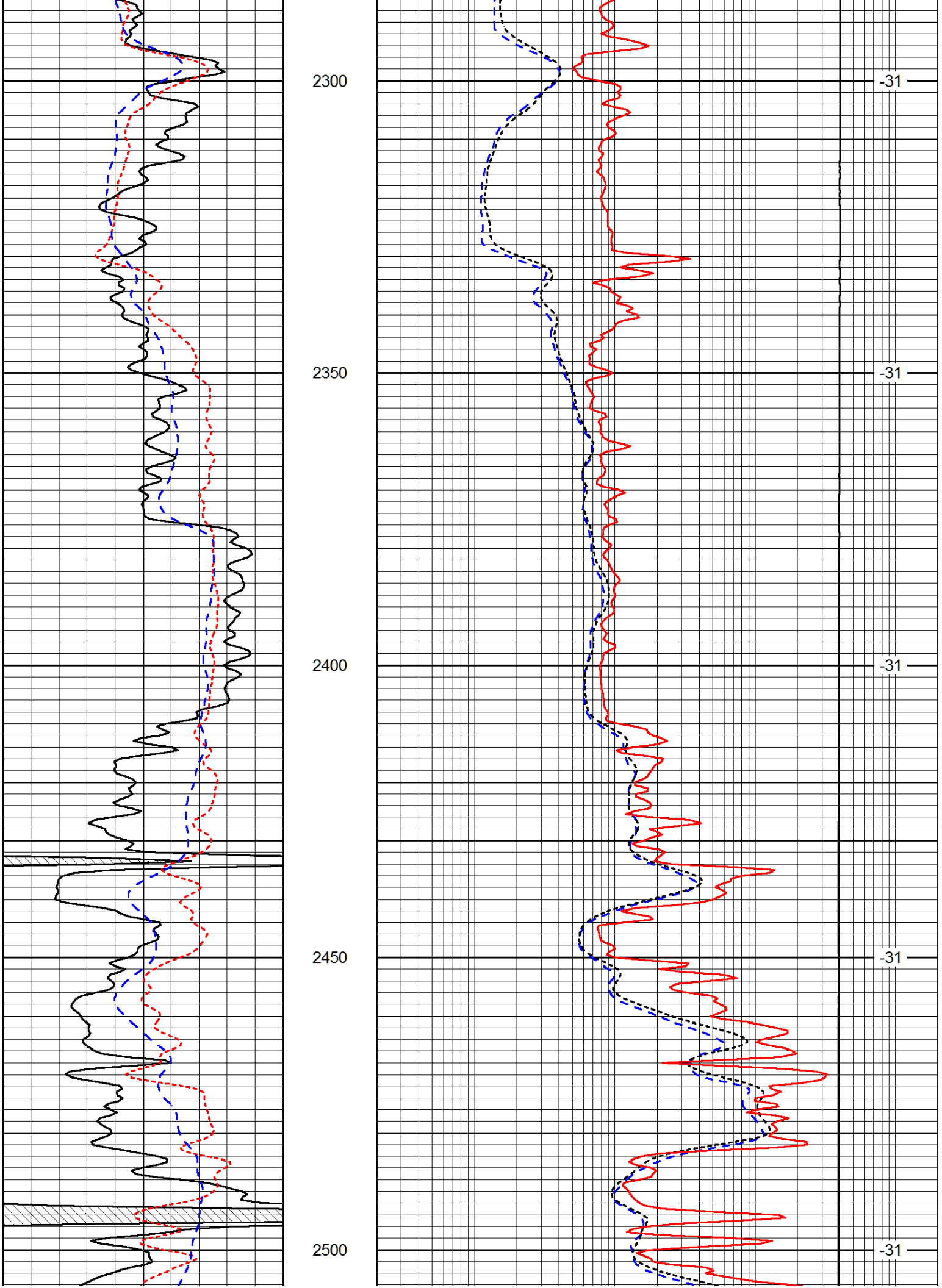
| | | |
|---|---|---|
| 0.2 | Deep Resistivity | 2000 |
| 0.2 | Medium Resistivity | 2000 |
| 0.2 | Shallow Resistivity | 2000 |
| 10000 | Line Tension | 0 |

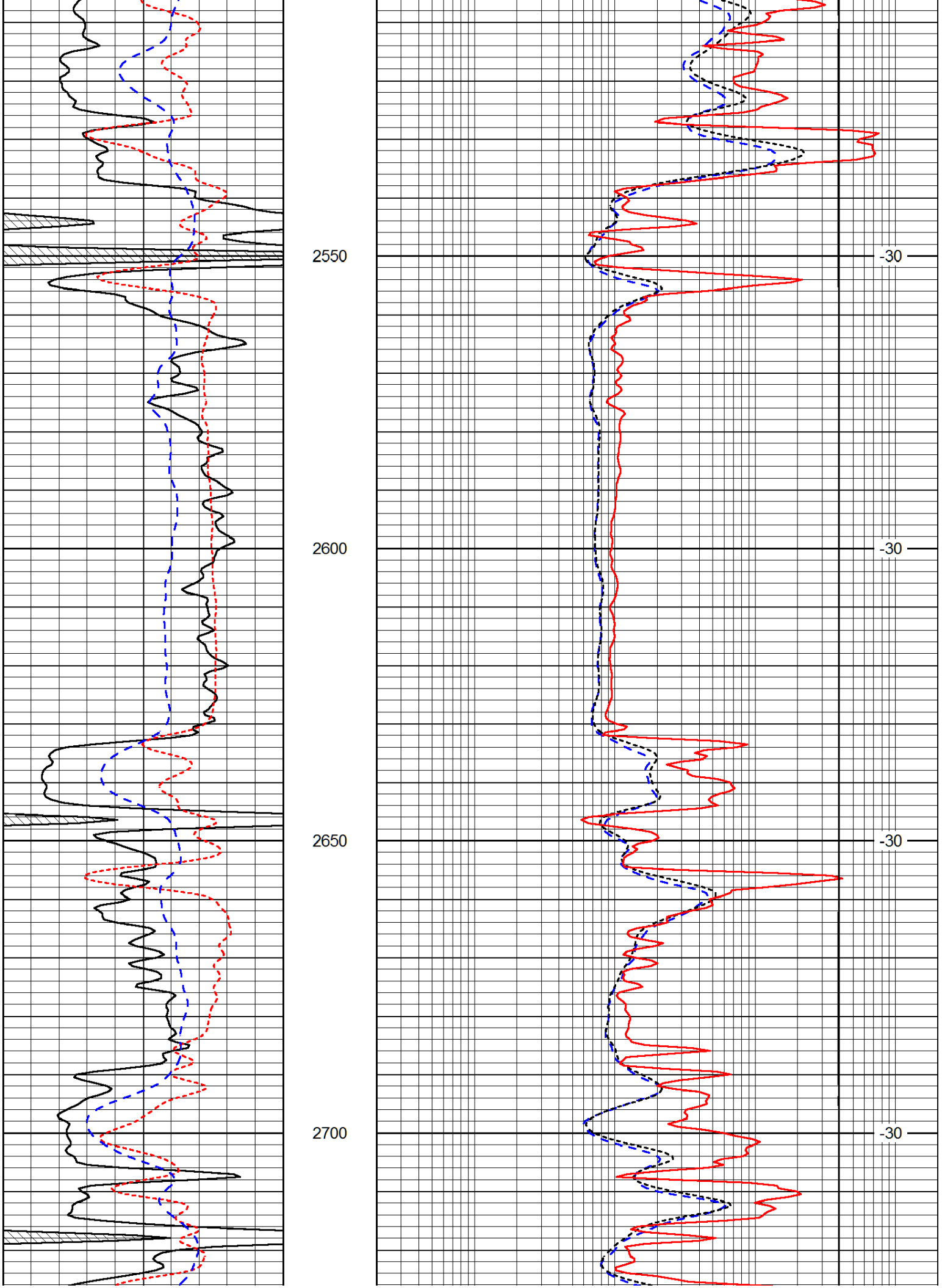
LSPD

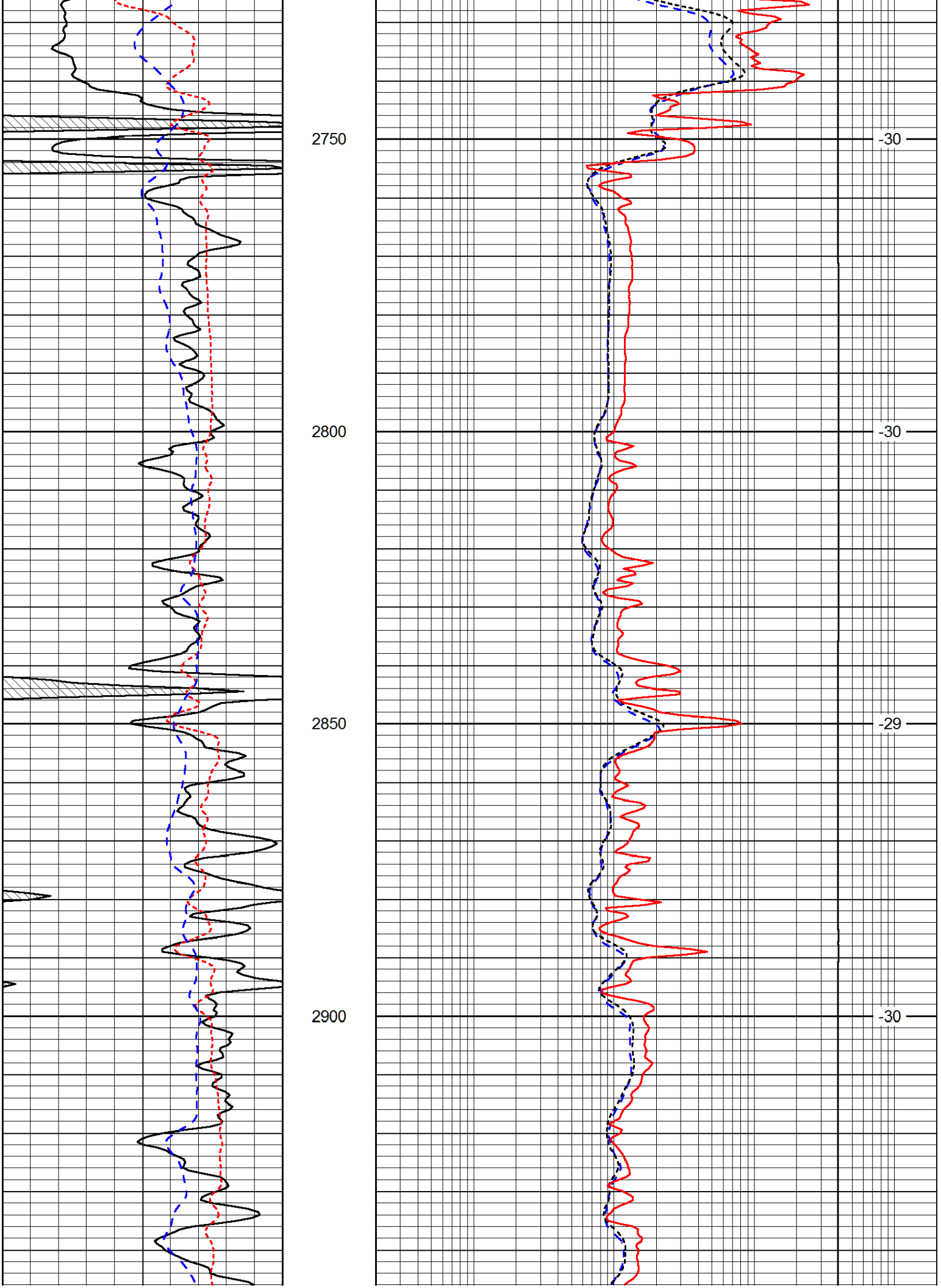


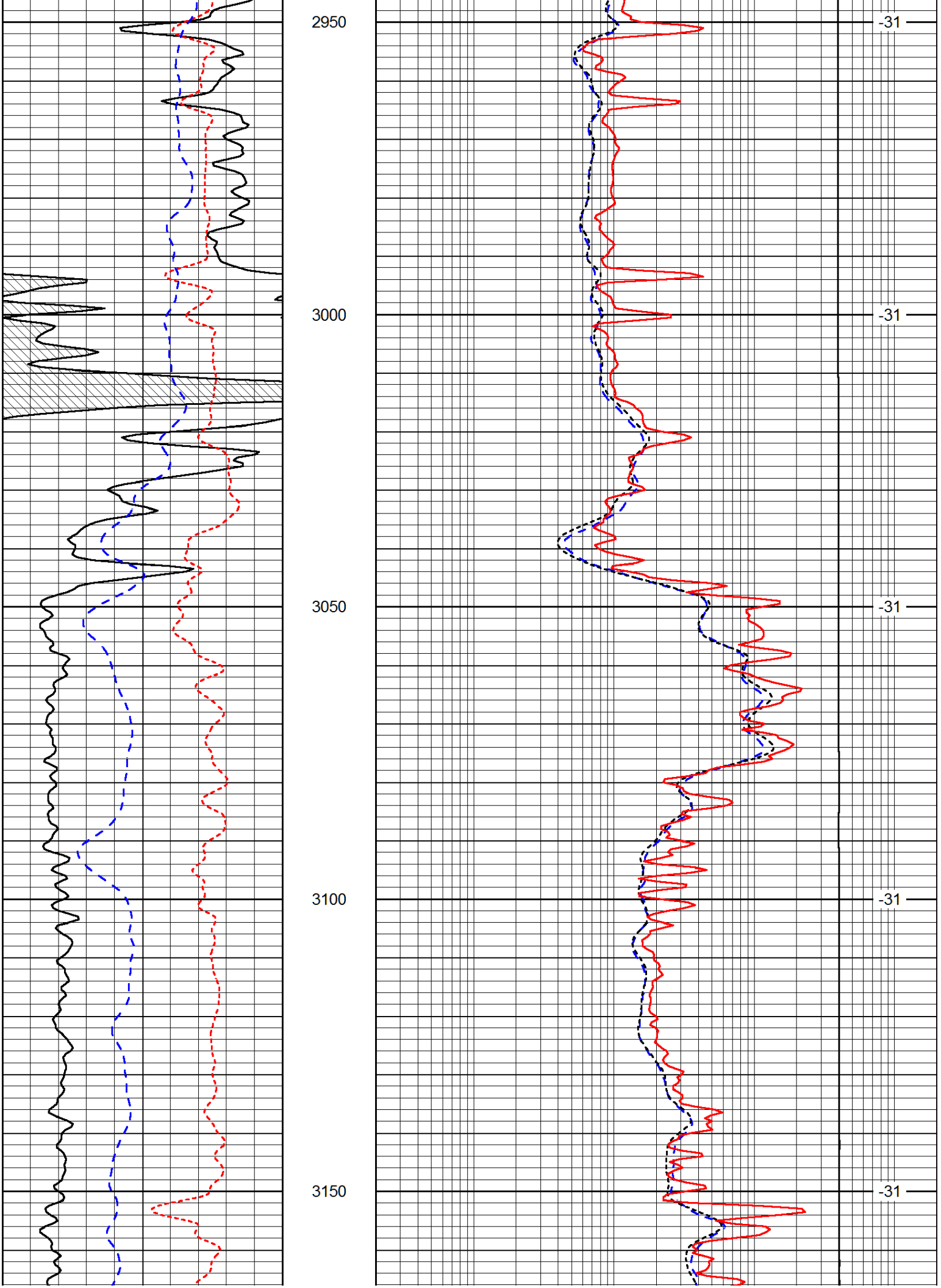

1850
1900
1950
2000
2050
-33
-32
-32
-32
-32

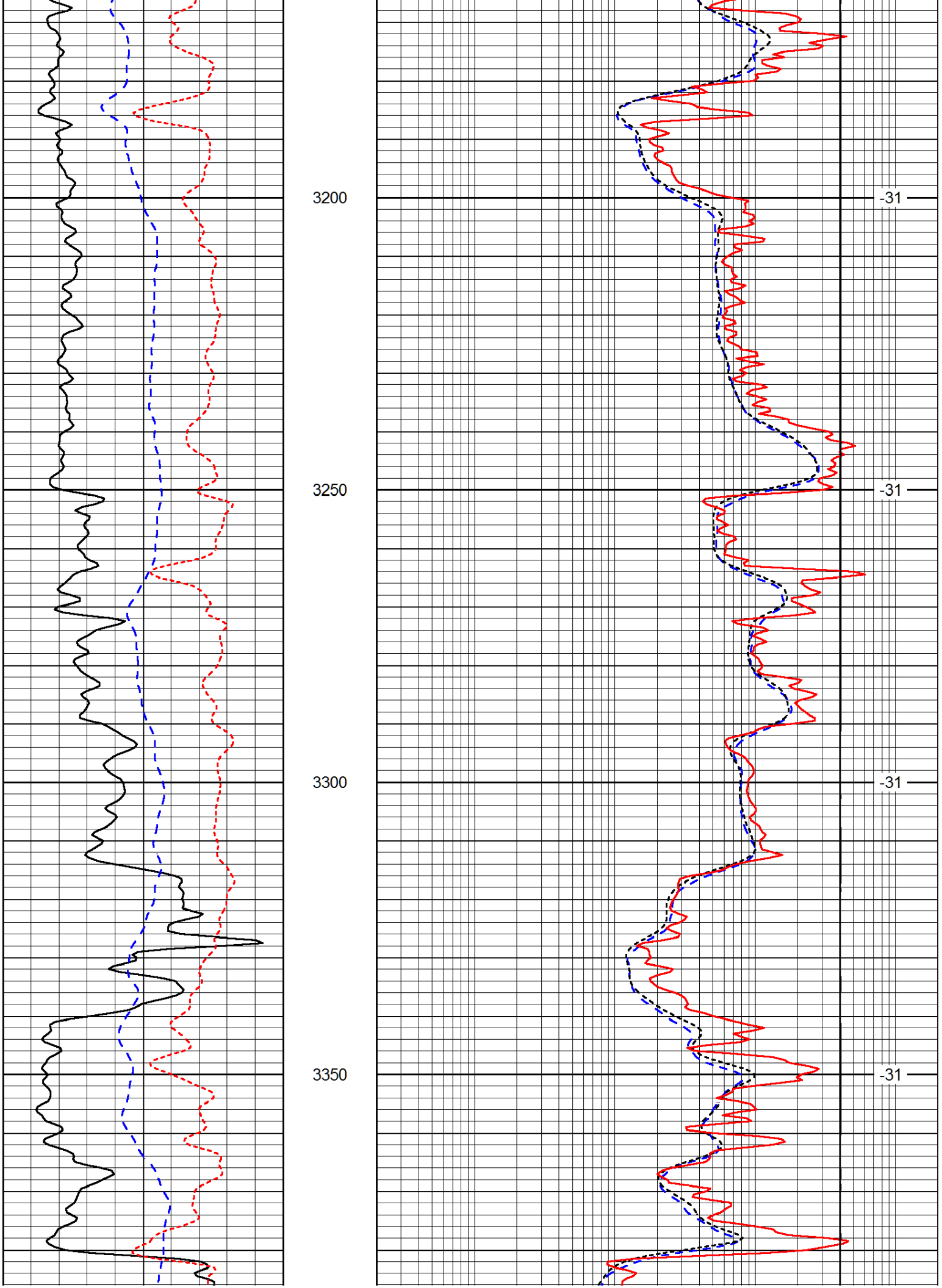

2100
2150
2200
2250
-32
-32
-32
-31

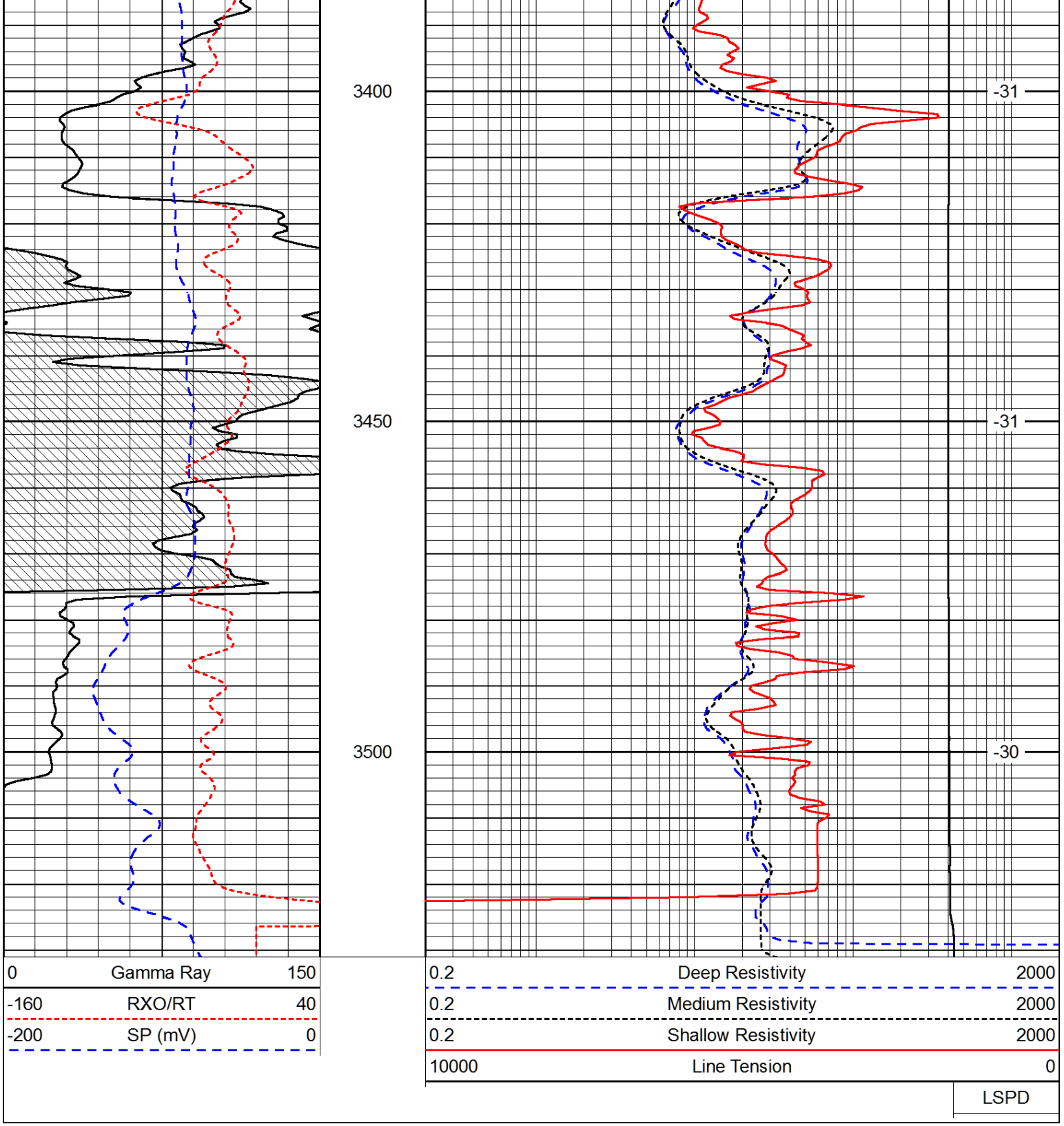

2300
2350
2400
2450
2500
-31
-31
-31
-31
-31


2550
2600
2650
2700
-30
-30
-30


2750
2800
2850
2900
-30
-30
-29
-30


2950
3000
3050
3100
3150
-31
-31
-31
-31
-31


3200
3250
3300
3350
-31
-31
-31
-31


3400
3450
3500
-31
-31
-30
0
Gamma Ray
150
-160
RXO/RT
40
-200
SP (mV)
0
0.2
Deep Resistivity
2000
0.2
Medium Resistivity
2000
0.2
Shallow Resistivity
2000
10000
Line Tension
0
LSPD