PIONEER

Pioneer Energy Services

# Borehole Compensated Sonic Log

API No. 15-145-21798-00-00

Company H&B Petroleum Corporation

Well Crane #1

Field Jessie

County Pawnee State Kansas

Location SE NE SW SE 720' FSL & 1555' FEL

Sec: 36 Twp: 21S Rge: 15W

Other Services
CNL/CDL
MEL/DIL

Elevation
K.B. 1967
D.F.
G.L. 1959

| | |
|---|---|
| Permanent Datum | Ground Level |
| Log Measured From | Kelly Bushing |
| Drilling Measured From | Kelly Bushing |
| | Elevation 1959 |
| | 8 Ft. Above Perm. Datum |

| | |
|---|---|
| Date | 2/23/2015 |
| Run Number | Two |
| Type Log | BHC Sonic |
| Depth Driller | 3910 |
| Depth Logger | 3910 |
| Bottom Logged Interval | 3899 |
| Top Logged Interval | 900 |
| Type Fluid In Hole | Chemical |
| Salinity, PPM CL | 5000 |
| Density | 9.4 |
| Level | Full |
| Max. Rec. Temp. F | 115 |
| Operating Rig Time | 4 Hours |
| Equipment -- Location | 91 Hays |
| Recorded By | D. Schmidt |
| Witnessed By | Jim Musgrove |

Borehole Record

| Run No. | Bit | From | To |
|---|---|---|---|
| One | 12.25 | 00 | 925 |
| Two | 7.875 | 925 | TD |

Casing Record

| Size | Wgt. | From | To |
|---|---|---|---|
| 8.625 | 23# | 00 | 925 |

<<< Fold Here >>>

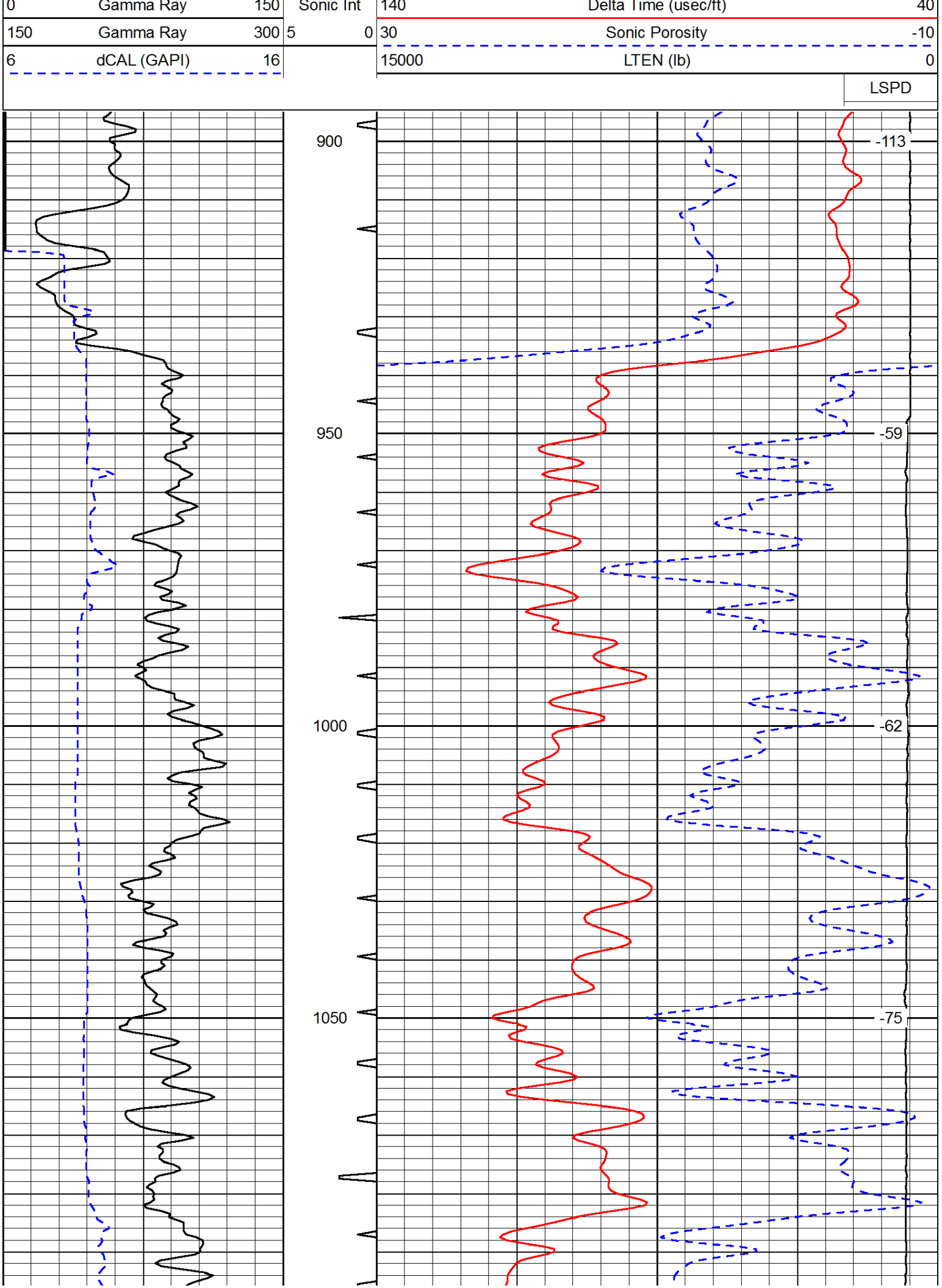
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

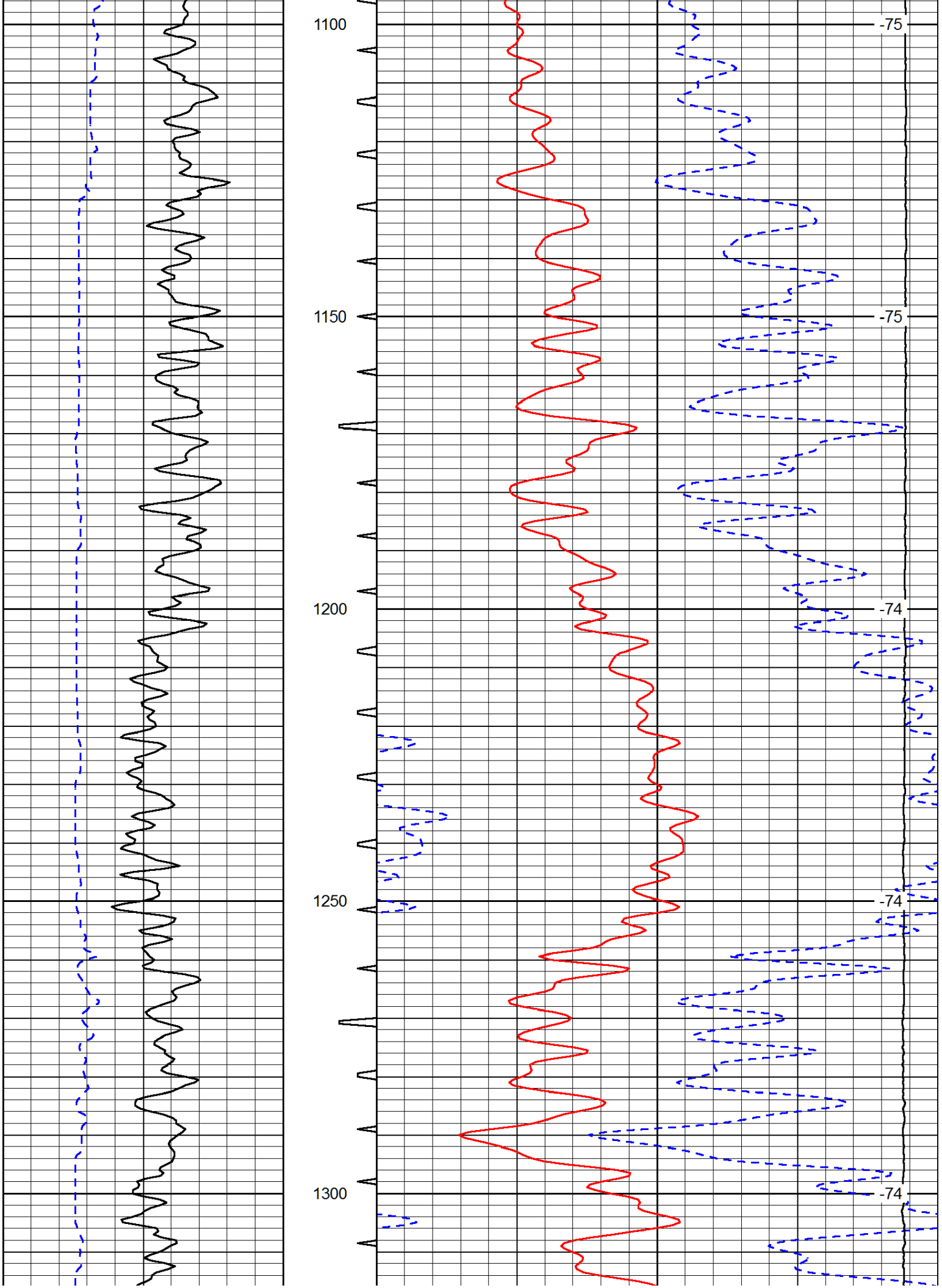
Comments

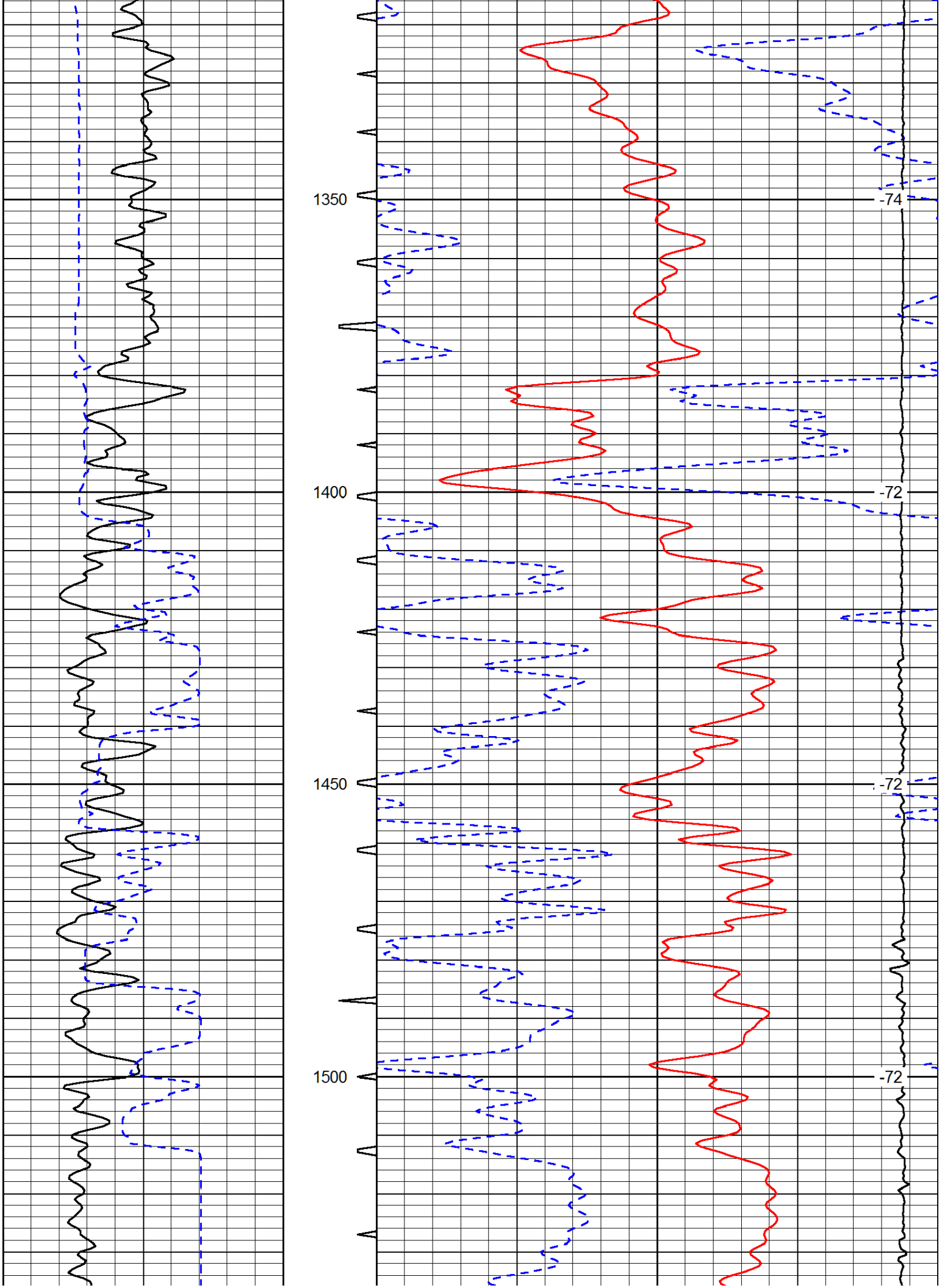
Thank you for using Log-Tech, Inc.
(785) 625-3858

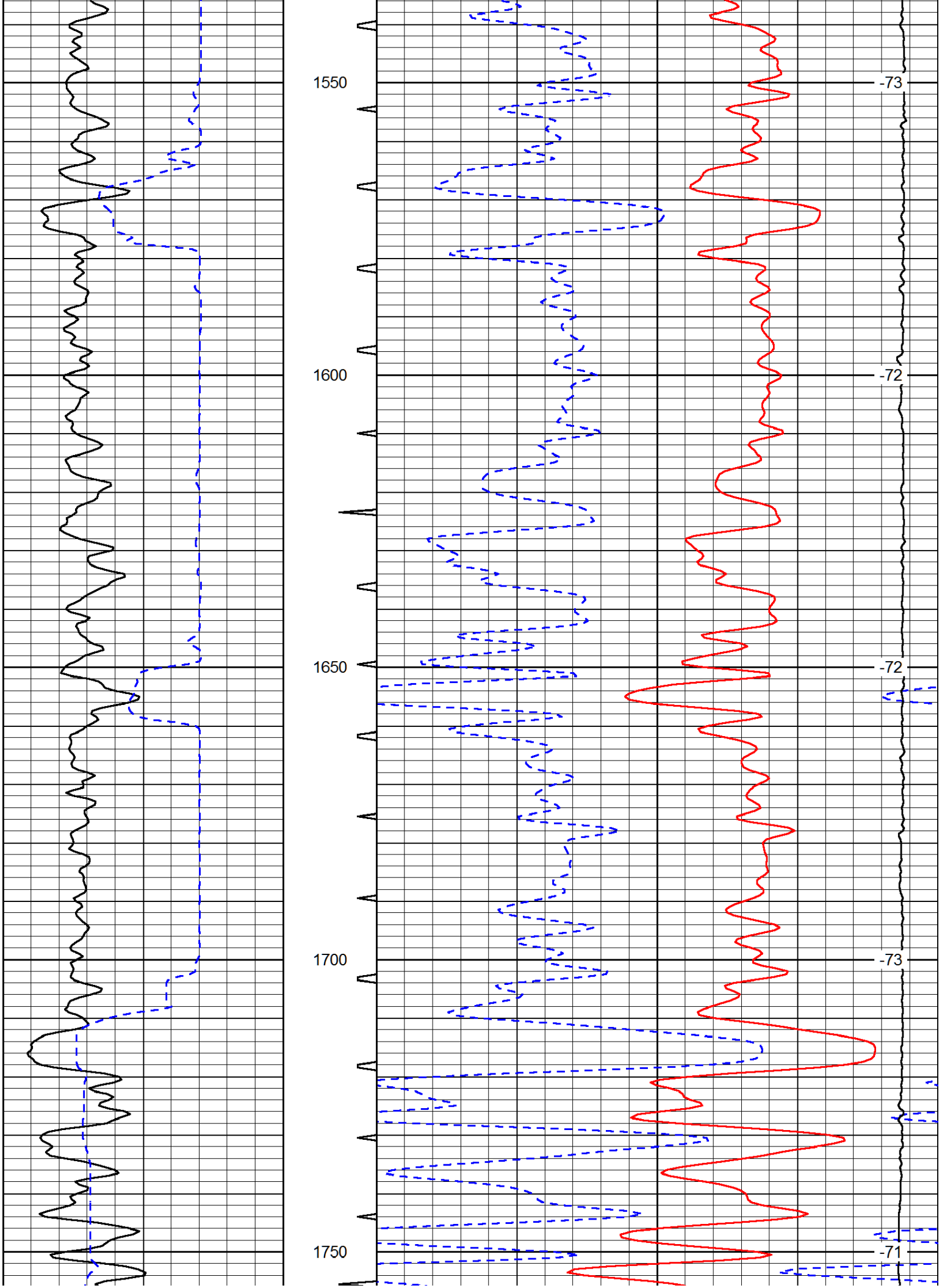
Radium,
1 1/2 West, North into

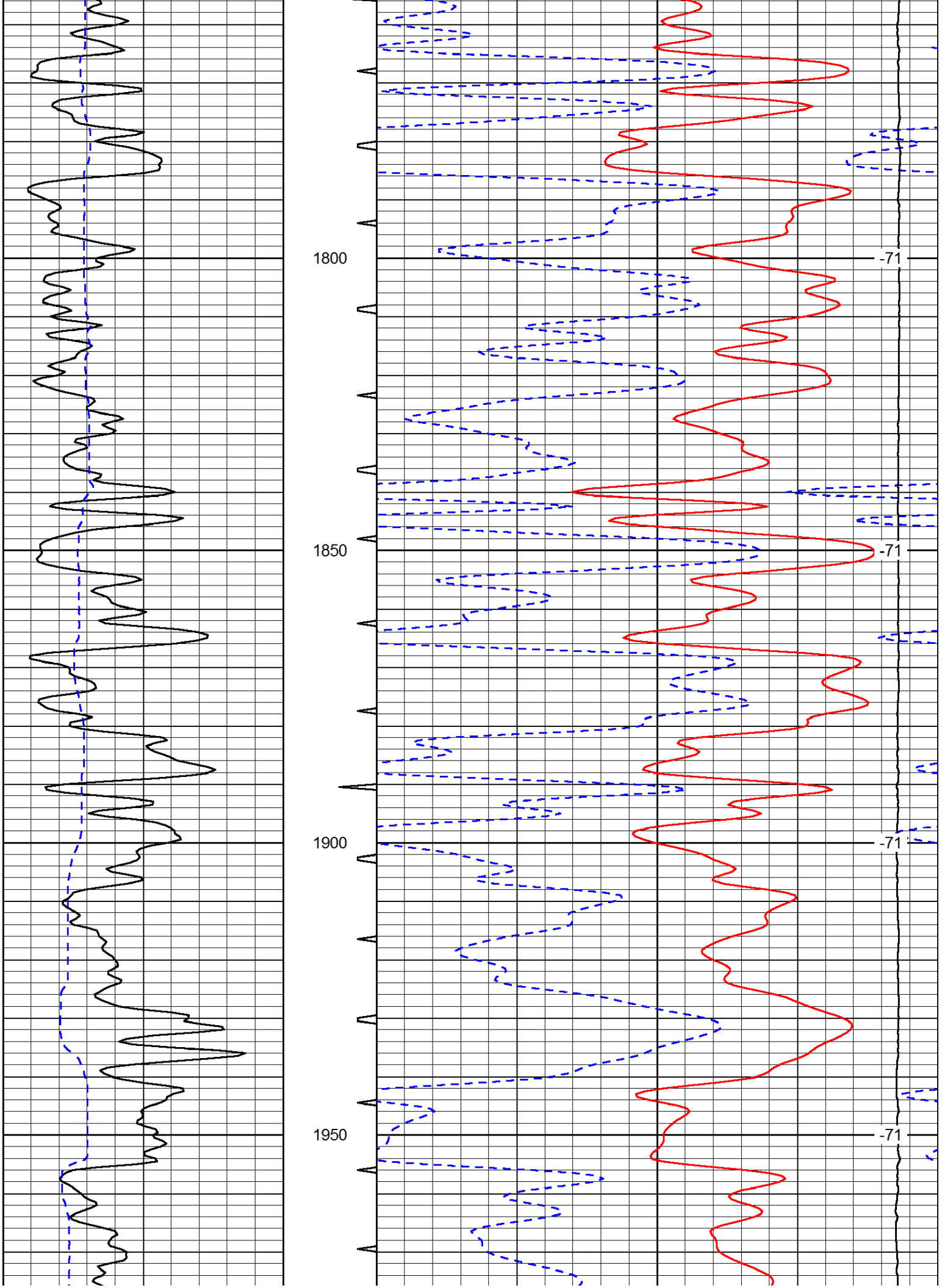
| | |
|---|---|
| Database File: | h&b_crane 1hd.db |
| Dataset Pathname: | dil/hbstkml |
| Presentation Format: | sonic |
| Dataset Creation: | Mon Feb 23 11:00:06 2015 |
| Charted by: | Depth in Feet scaled 1:240 |

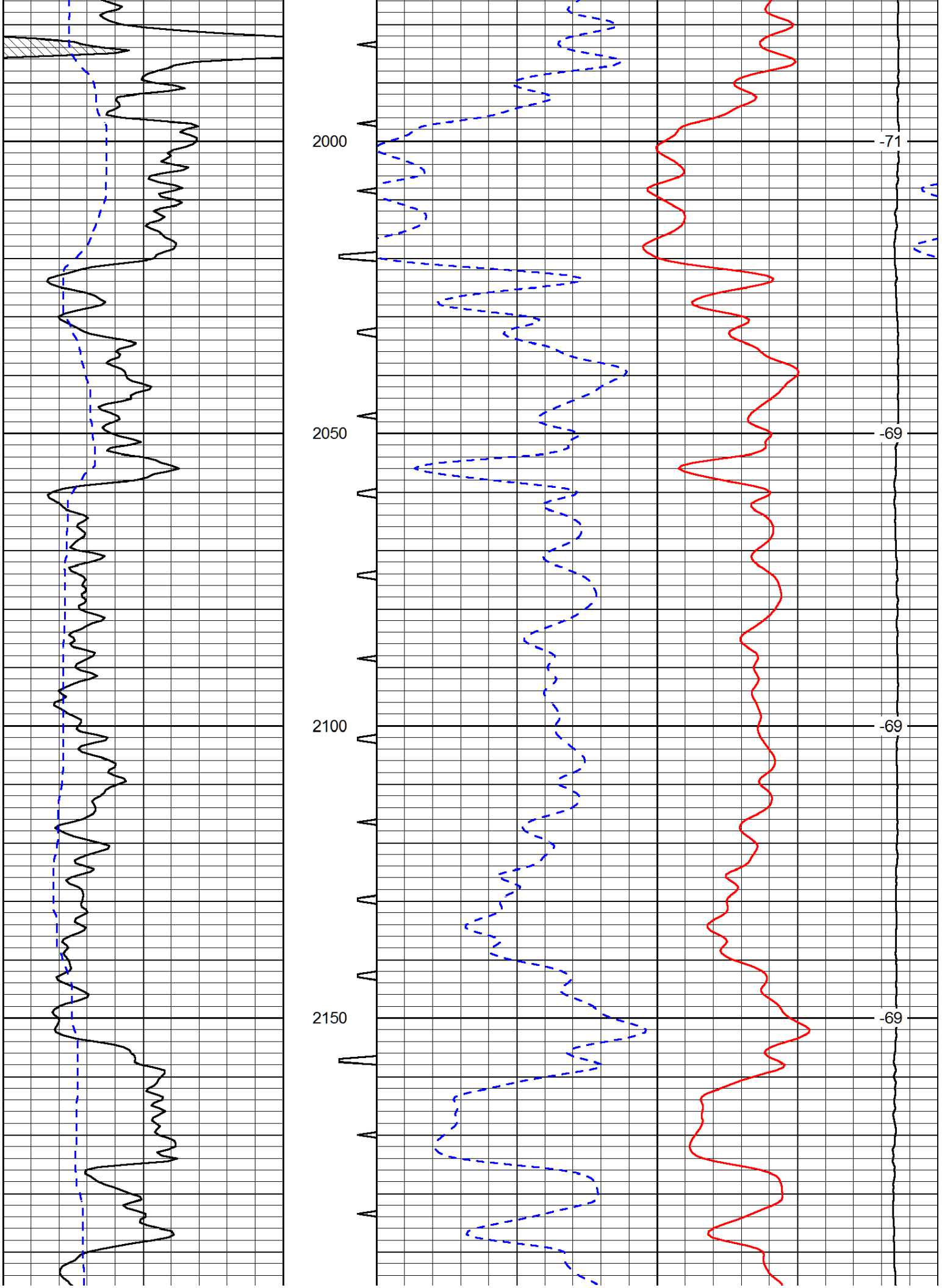

0 Gamma Ray 150
150 Gamma Ray 300
6 dCAL (GAPI) 16
Sonic Int
5 0
140 Delta Time (usec/ft) 40
30 Sonic Porosity -10
15000 LTEN (lb) 0
LSPD
900
950
1000
1050
-113
-59
-62
-75

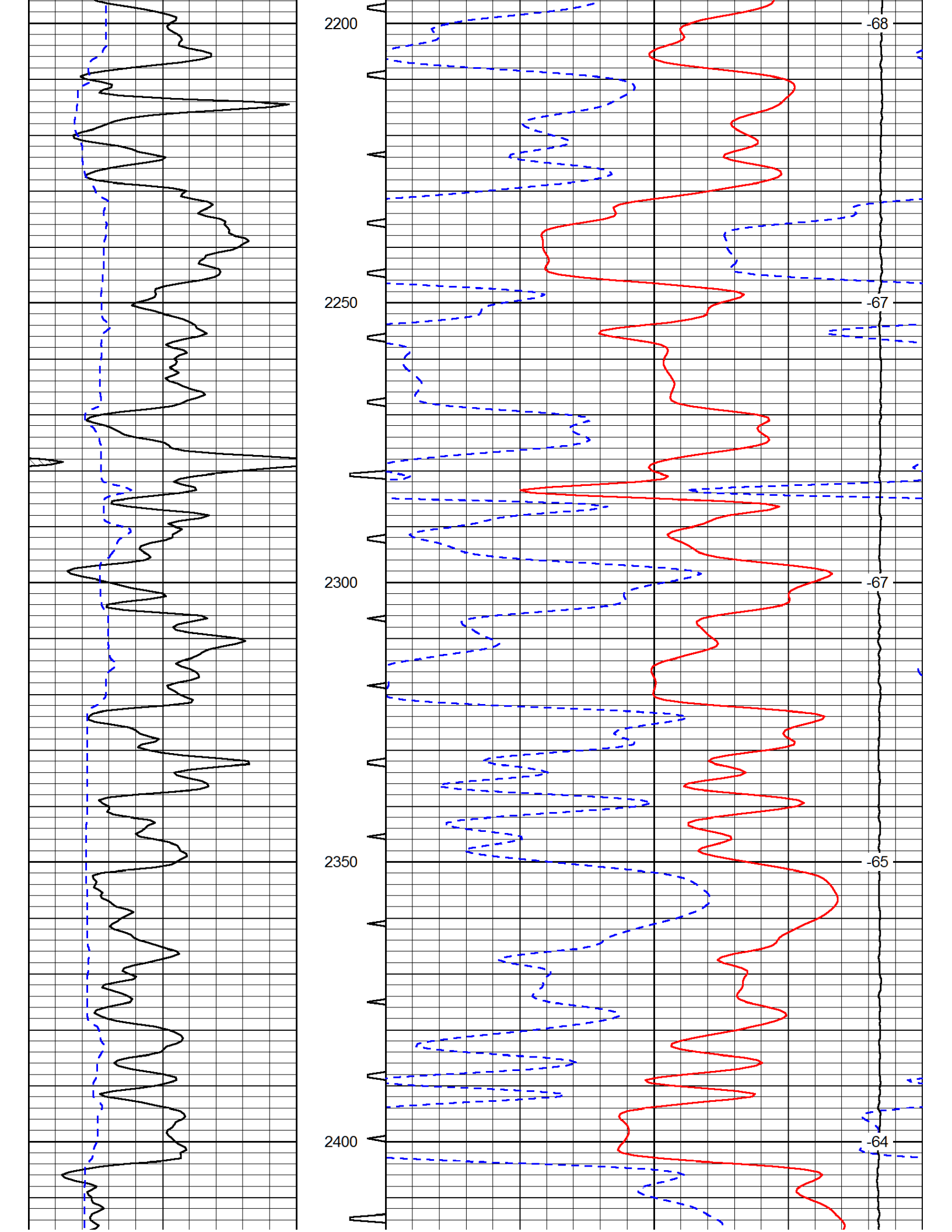

1100
1150
1200
1250
1300
-75
-75
-74
-74
-74

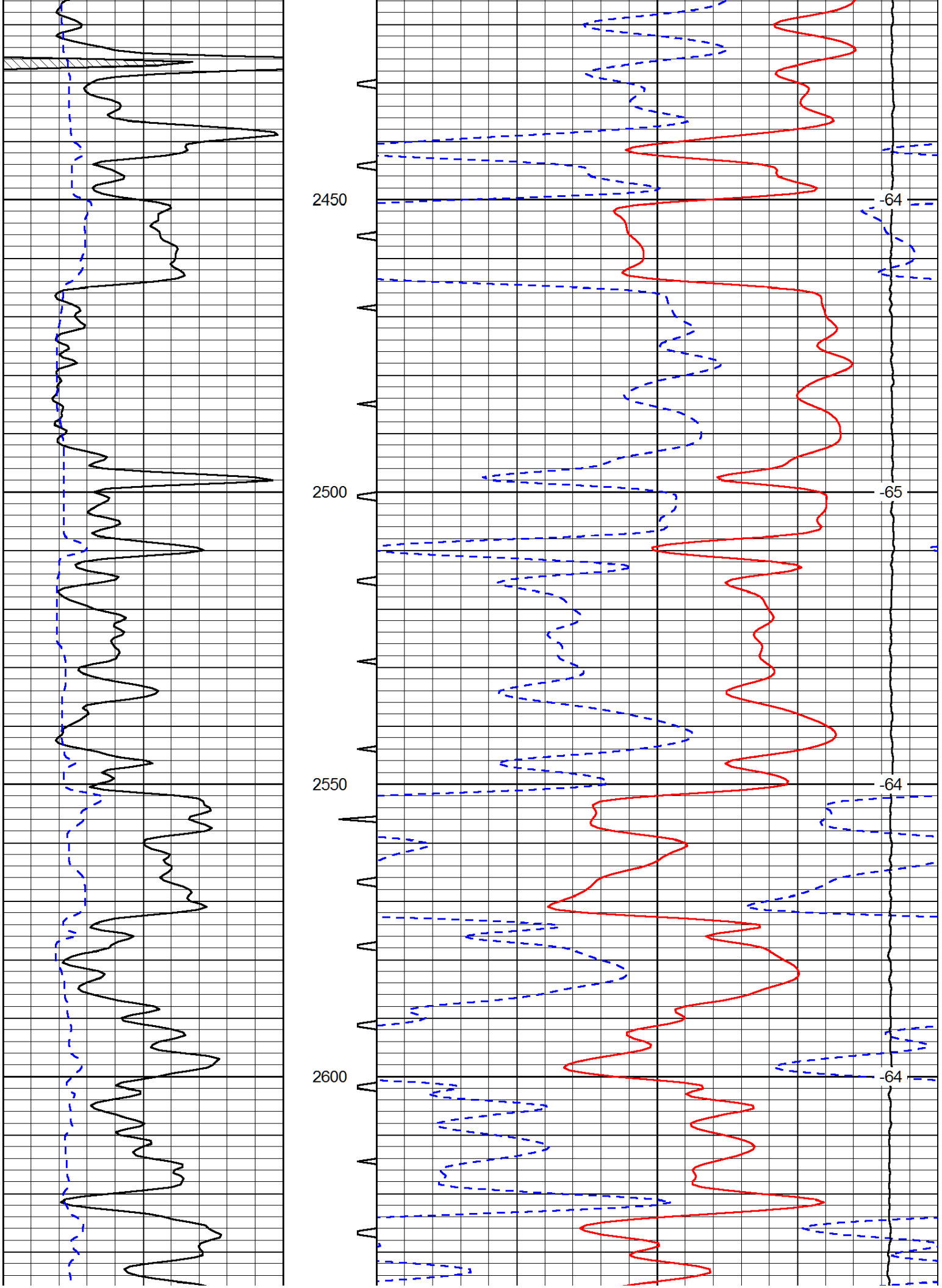

1350
1400
1450
1500
-74
-72
-72
-72

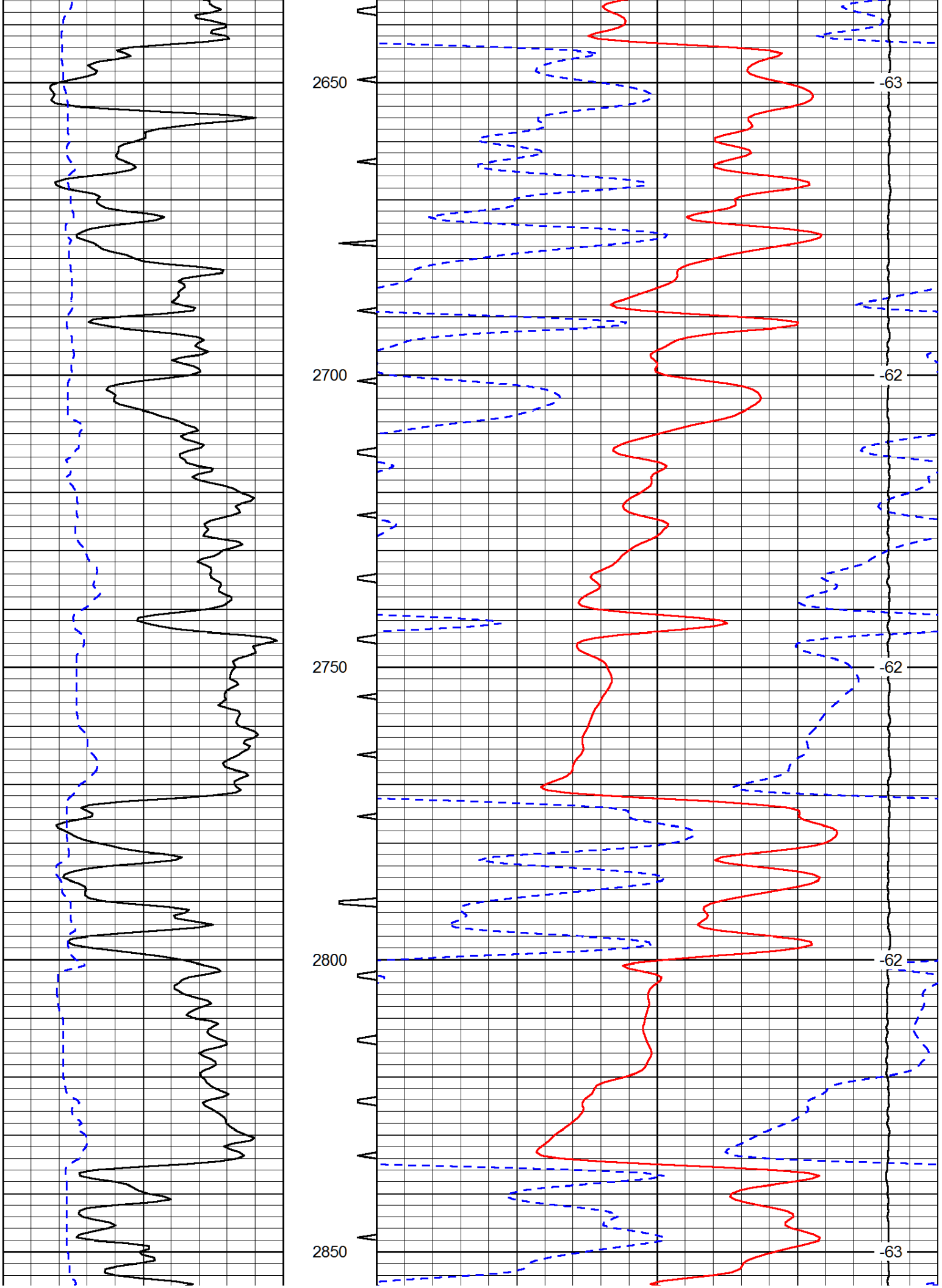

1550
1600
1650
1700
1750
-73
-72
-72
-73
-71

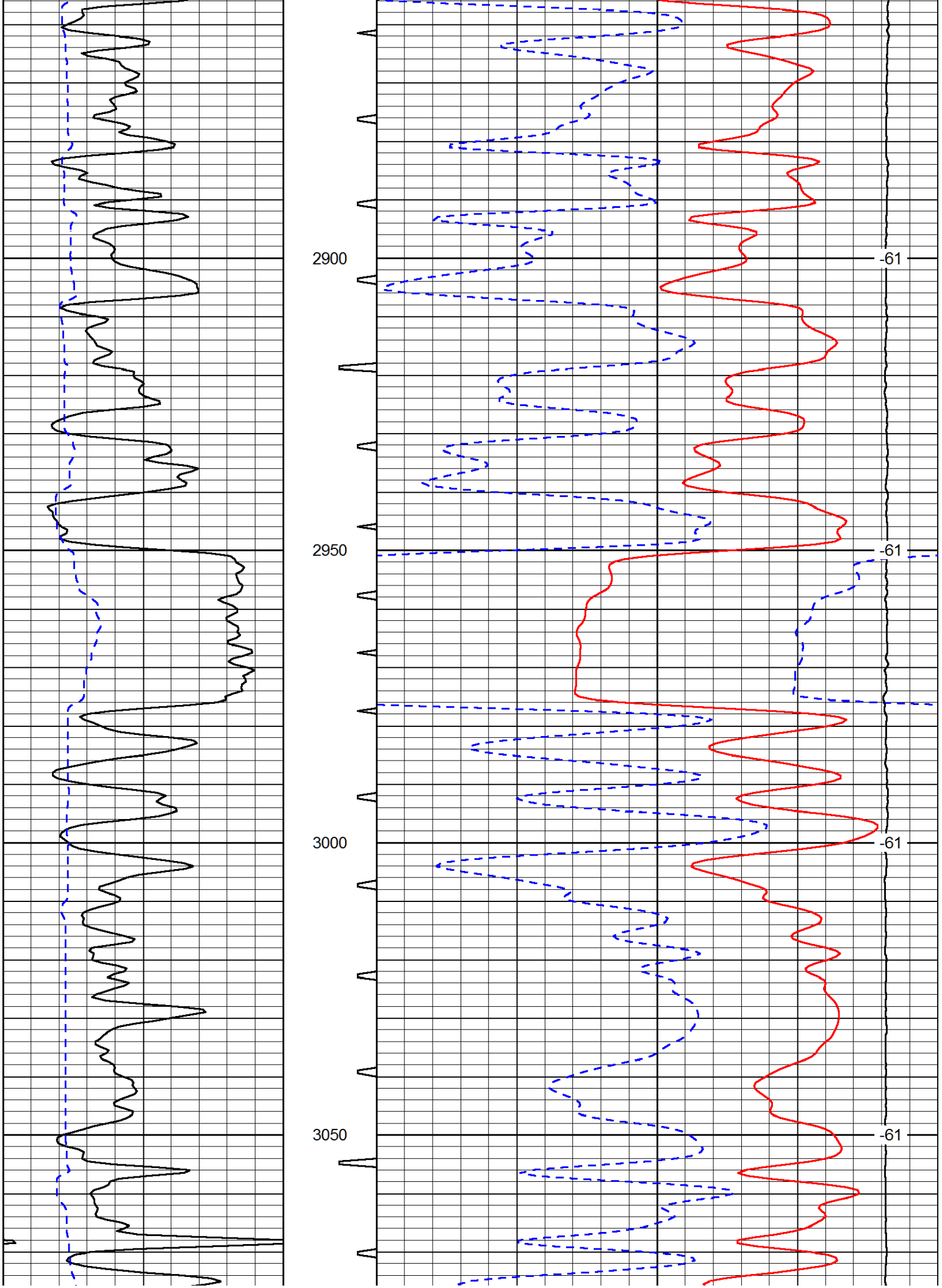

1800
-71
1850
-71
1900
-71
1950
-71

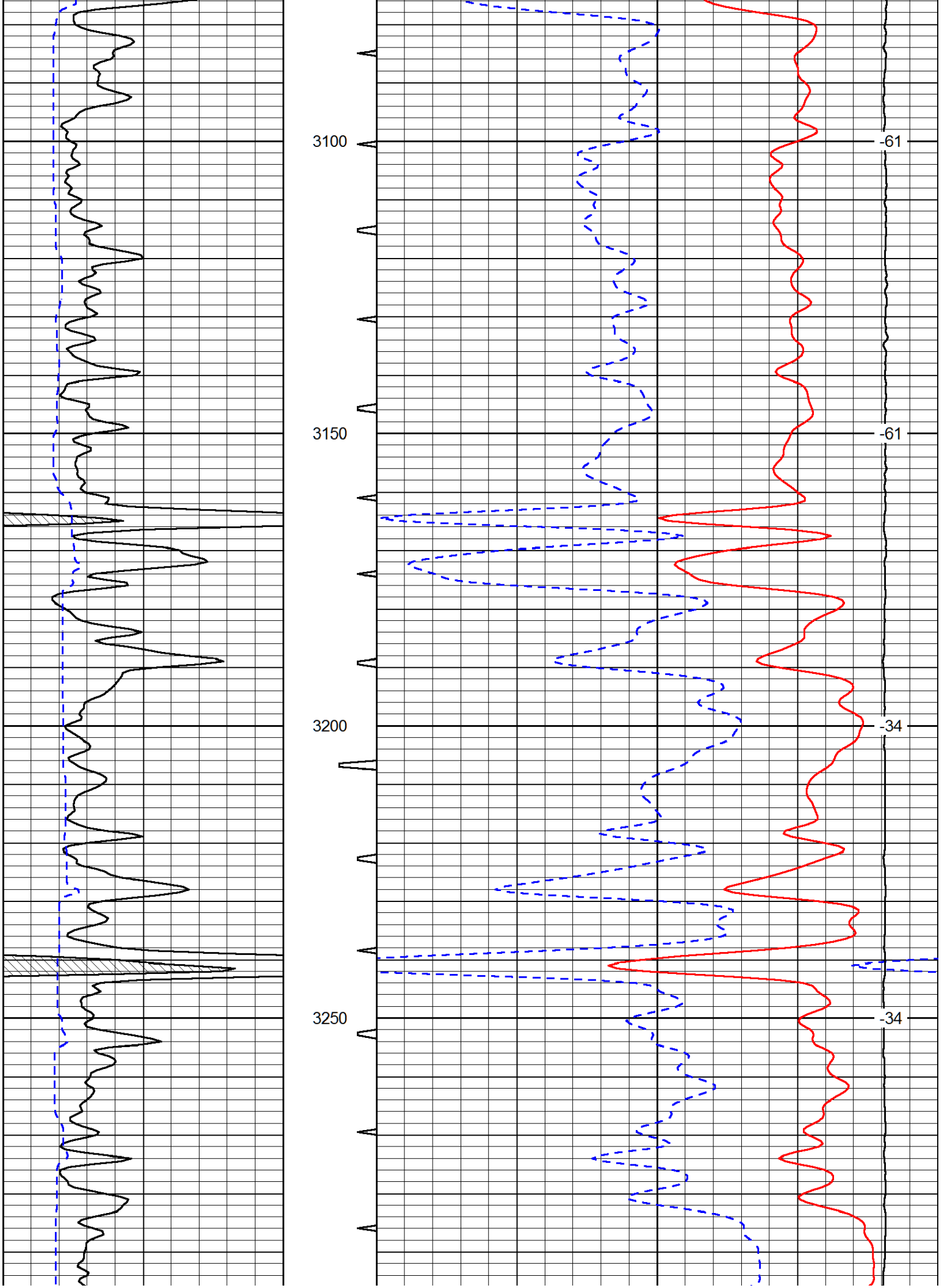

2000
2050
2100
2150
-71
-69
-69
-69

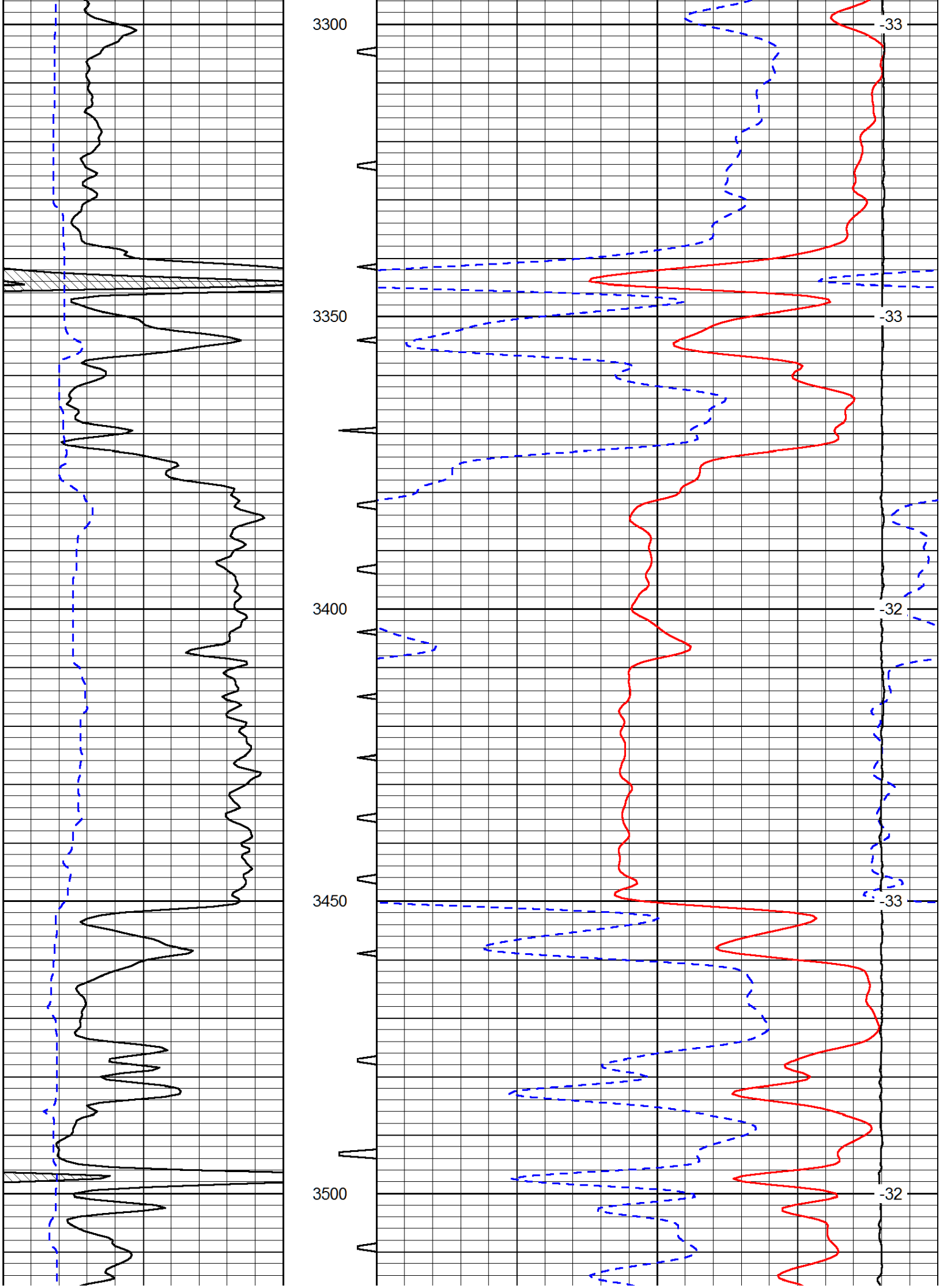

2200
2250
2300
2350
2400
-68
-67
-67
-65
-64

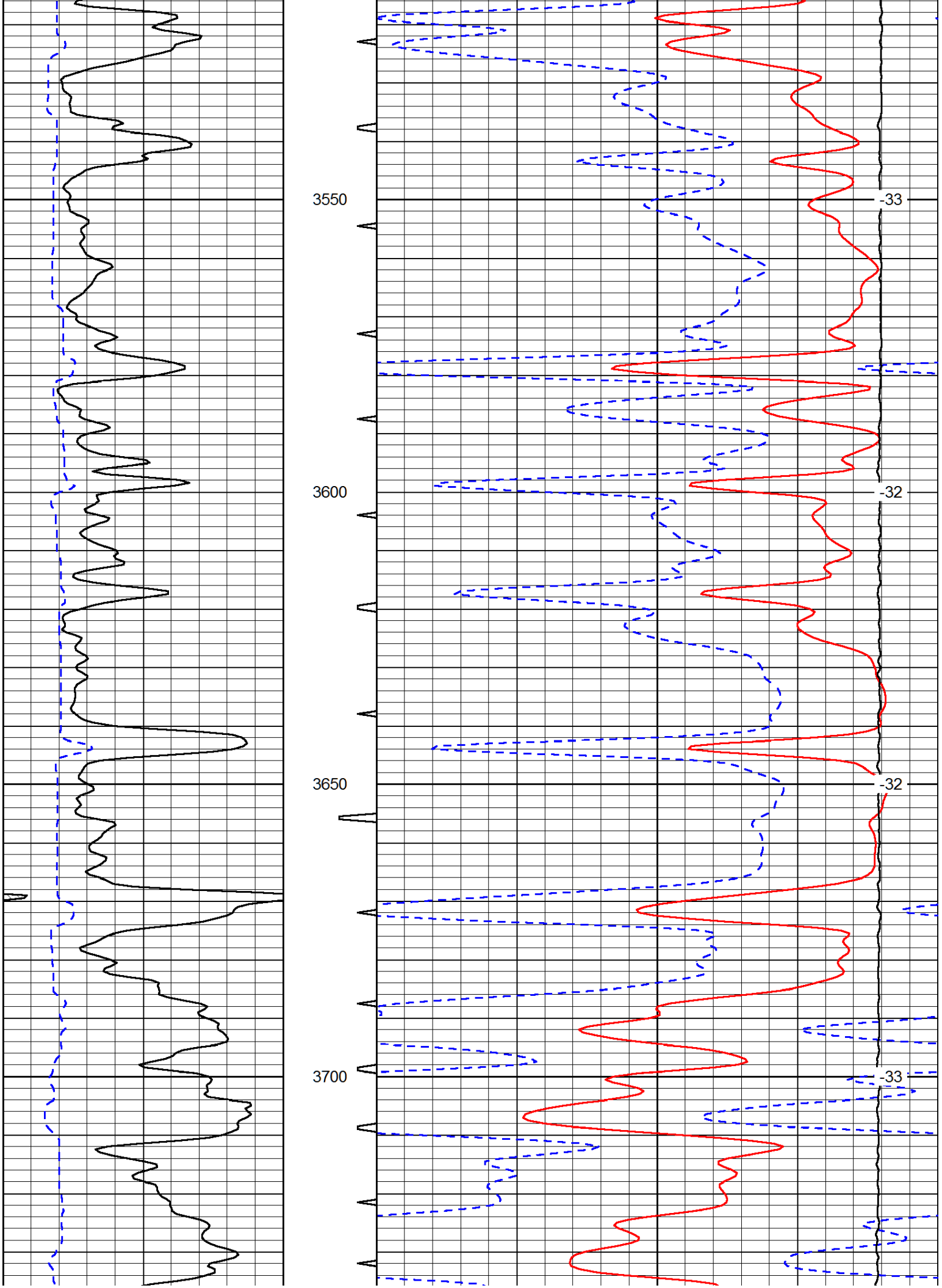

2450
2500
2550
2600
-64
-65
-64
-64

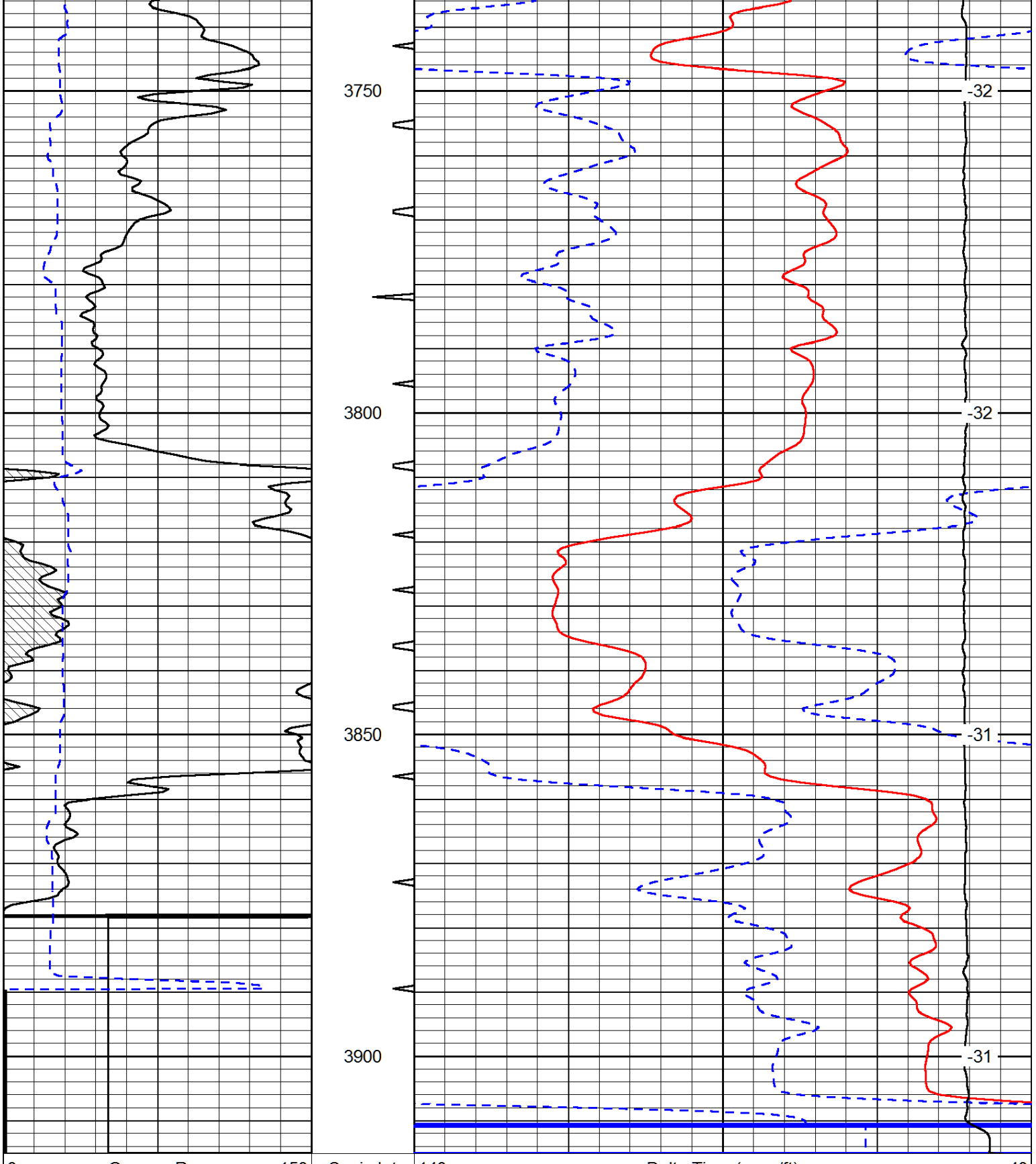

2650
2700
2750
2800
2850
-63
-62
-62
-62
-63


2900
2950
3000
3050
-61
-61
-61
-61


3100
3150
3200
3250
-61
-61
-34
-34


3300
3350
3400
3450
3500
-33
-33
-32
-33
-32


3550
3600
3650
3700
-33
-32
-32
-33




| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Gamma Ray | 150 | Sonic Int | 140 | Delta Time (usec/ft) | 40 |
| 150 | Gamma Ray | 300 | 5 0 | 30 | Sonic Porosity | -10 |
| 6 | dCAL (GAPI) | 16 | | 15000 | LTEN (lb) | 0 |

LSPD