PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-151-22,439-00-00

Company Timberline Oil & Gas Corporation

Well Harrel No.10

Field Iuka-Carmi

County Pratt State Kansas

Location 2336' FSL & 757' FEL

Sec: 36 Twp: 26S Rge: 13W

Other Services: DIL/MEL

Permanent Datum	Ground Level	Elevation	1919
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		

Elevation: K.B. 1929, D.F. , G.L. 1919

Date	9/30/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	4309
Depth Logger	4314
Bottom Logged Interval	4293
Top Logged Interval	1800
Type Fluid In Hole	Chemical
Salinity, PPM CL	6,000
Density	9.4
Level	Full
Max. Rec. Temp. F	119
Operating Rig Time	4 Hours
Equipment -- Location	10 Hays
Recorded By	C. Desaire
Witnessed By	Scott Alberg

Borehole Record

Run No.	Bit	From	To
One	12.25	00	324
Two	7.875	324	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	324

<<< Fold Here >>>

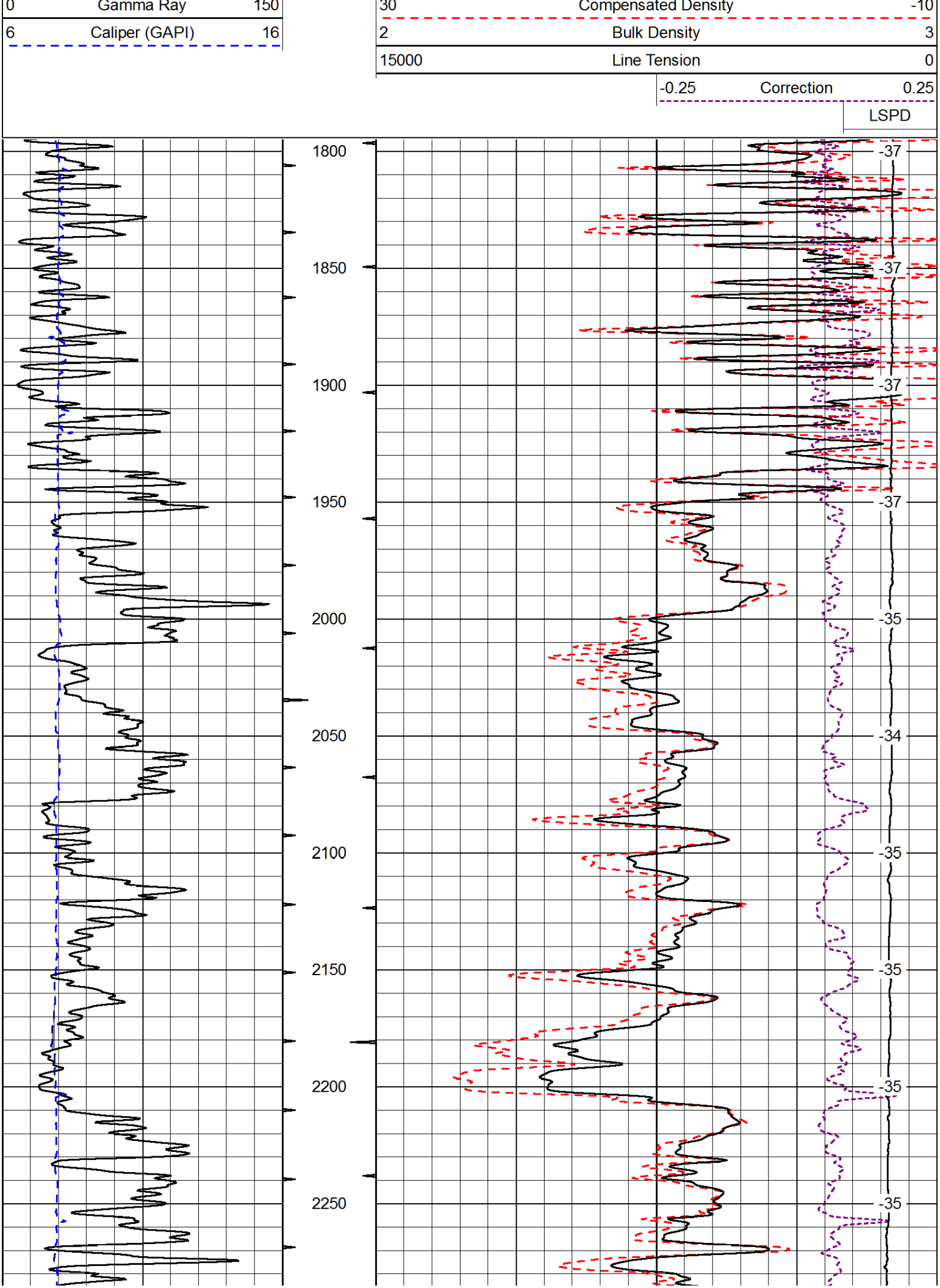
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

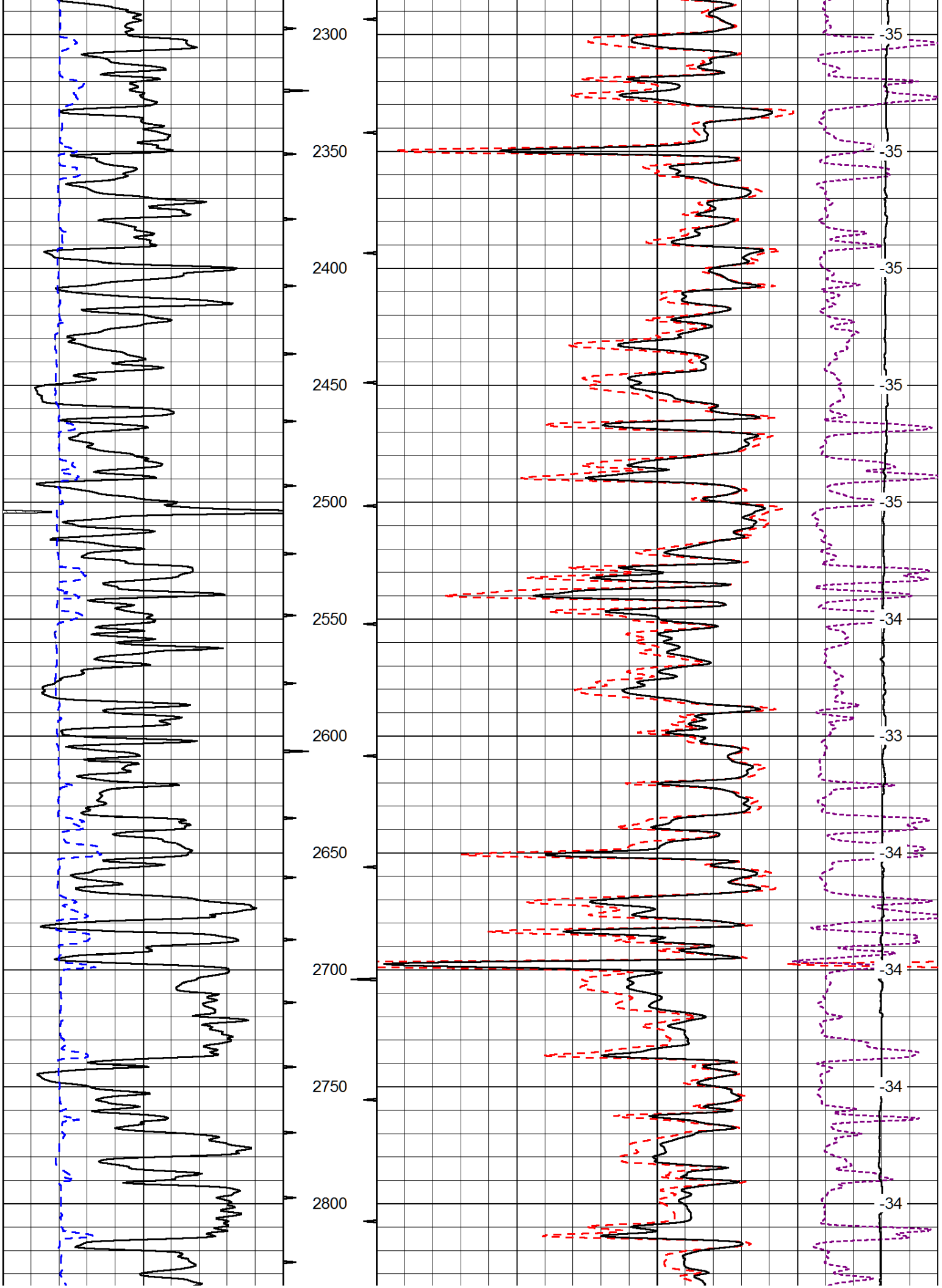
Comments

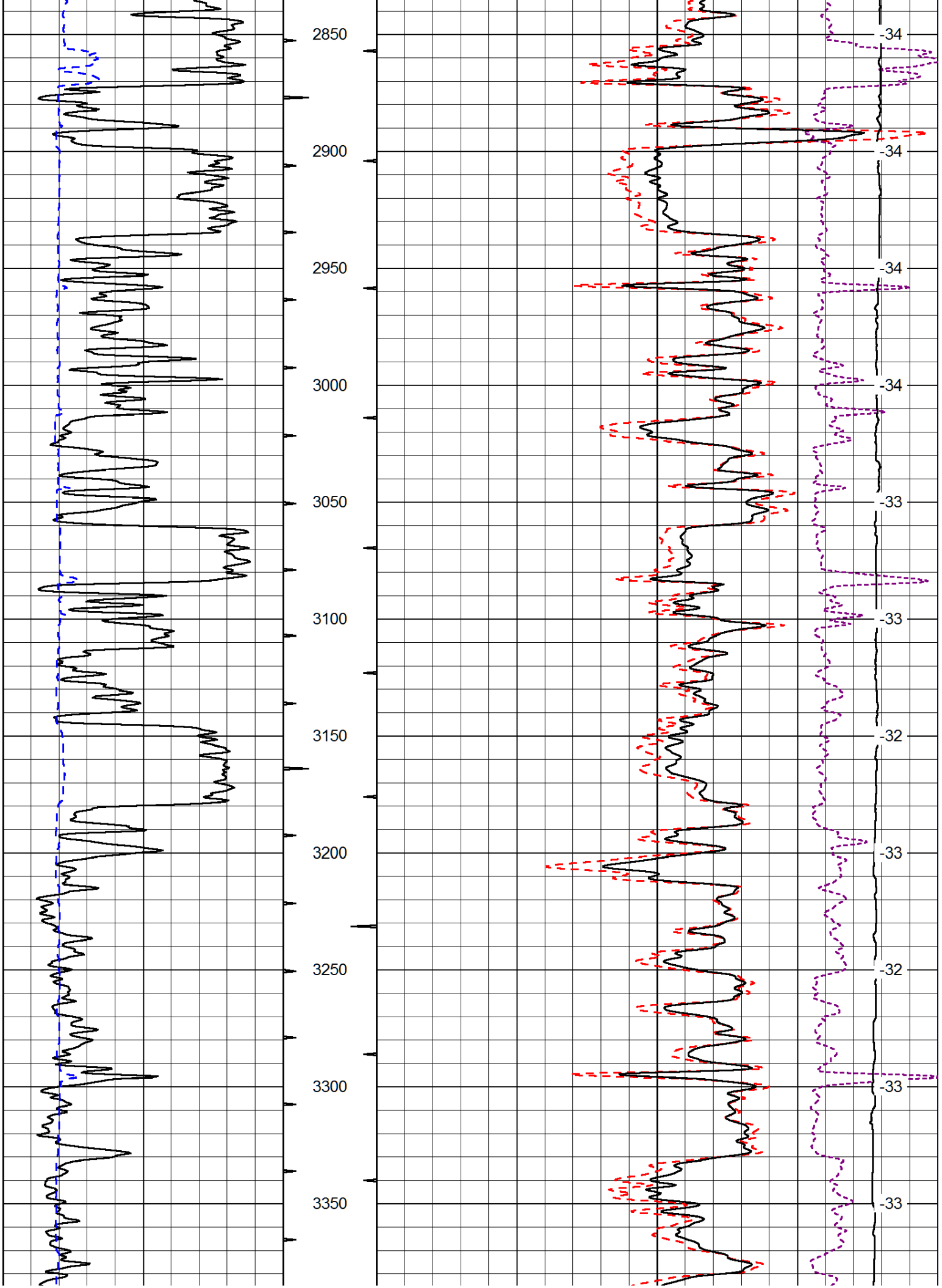
Thank you for using Log-Tech, Inc.
(785) 625-3858

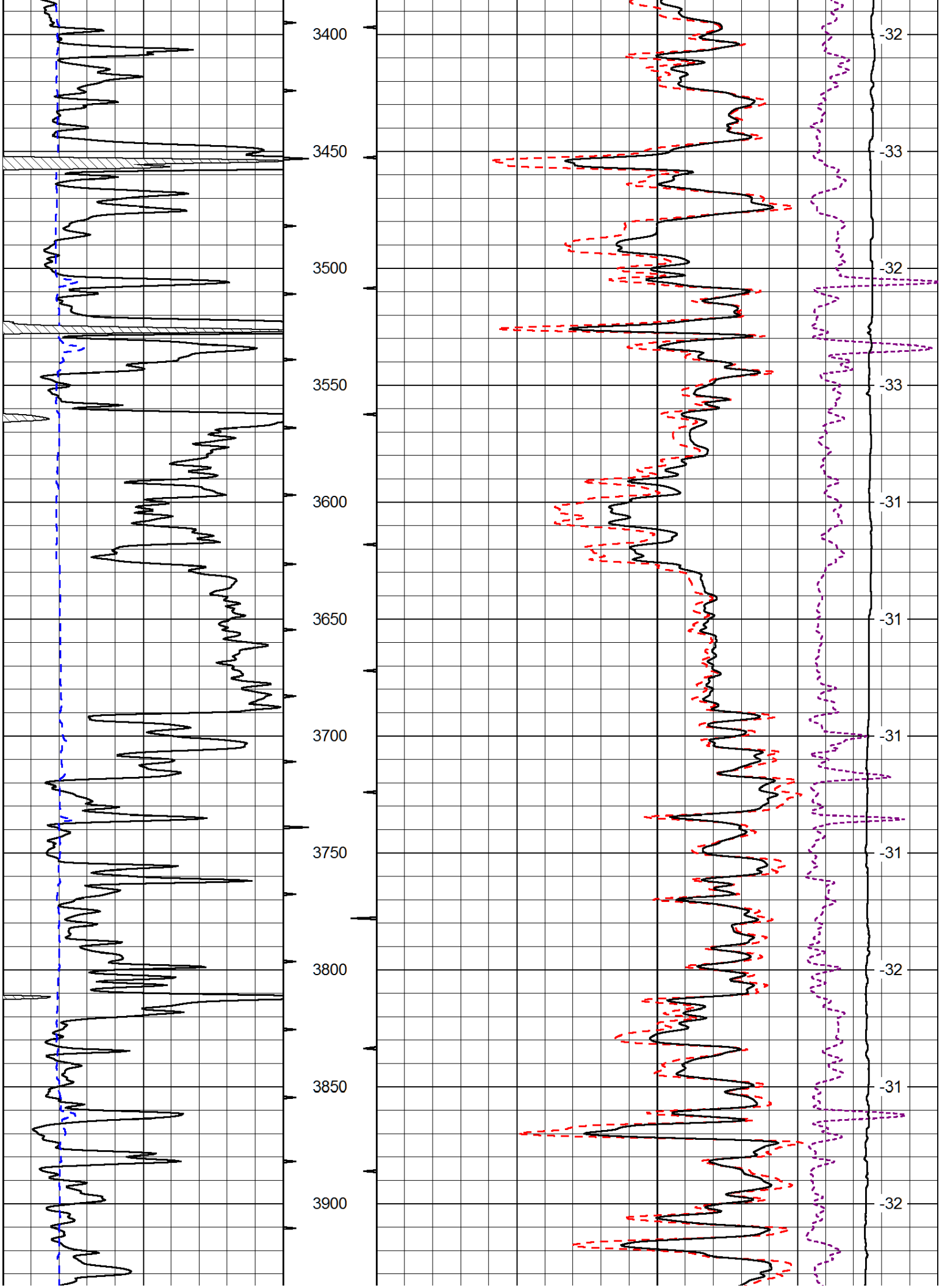
Iuka KS, 1 1/2 N to 70th st,
3 E, 1/2 S, W Into

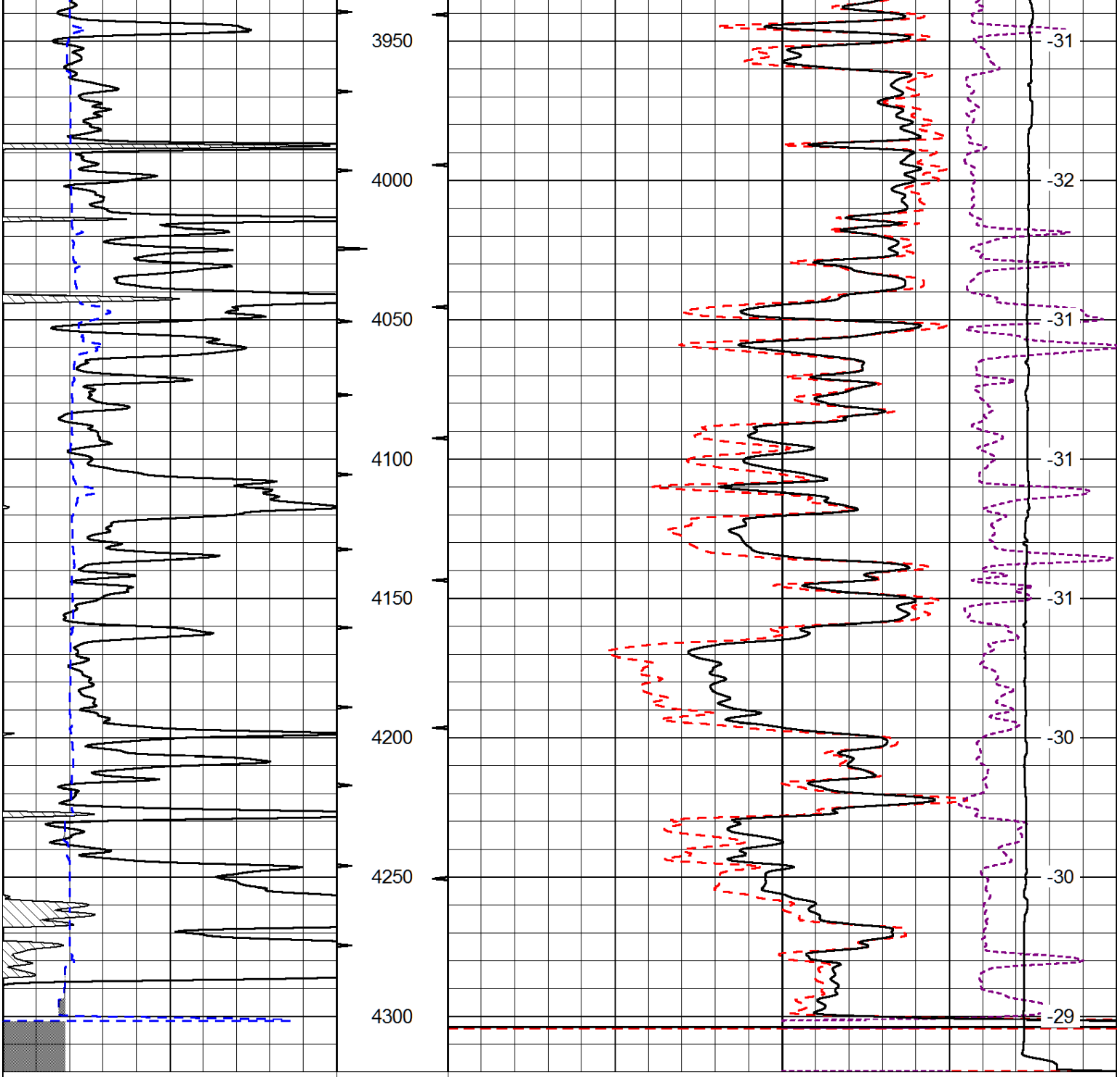
Database File:	timhd.db
Dataset Pathname:	dil/timstk
Presentation Format:	cdl
Dataset Creation:	Tue Sep 30 09:31:15 2014
Charted by:	Depth in Feet scaled 1:600


0 Gamma Ray 150
6 Caliper (GAPI) 16
30 Compensated Density -10
2 Bulk Density 3
15000 Line Tension 0
-0.25 Correction 0.25
LSPD
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
-37
-37
-37
-37
-35
-34
-35
-35
-35
-35

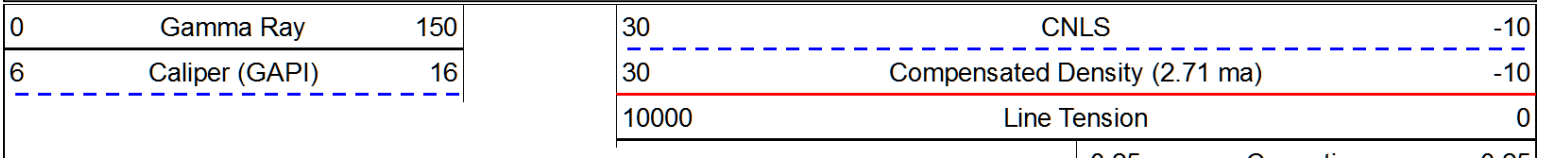

2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
-35
-35
-35
-35
-34
-33
-34
-34
-34
-34

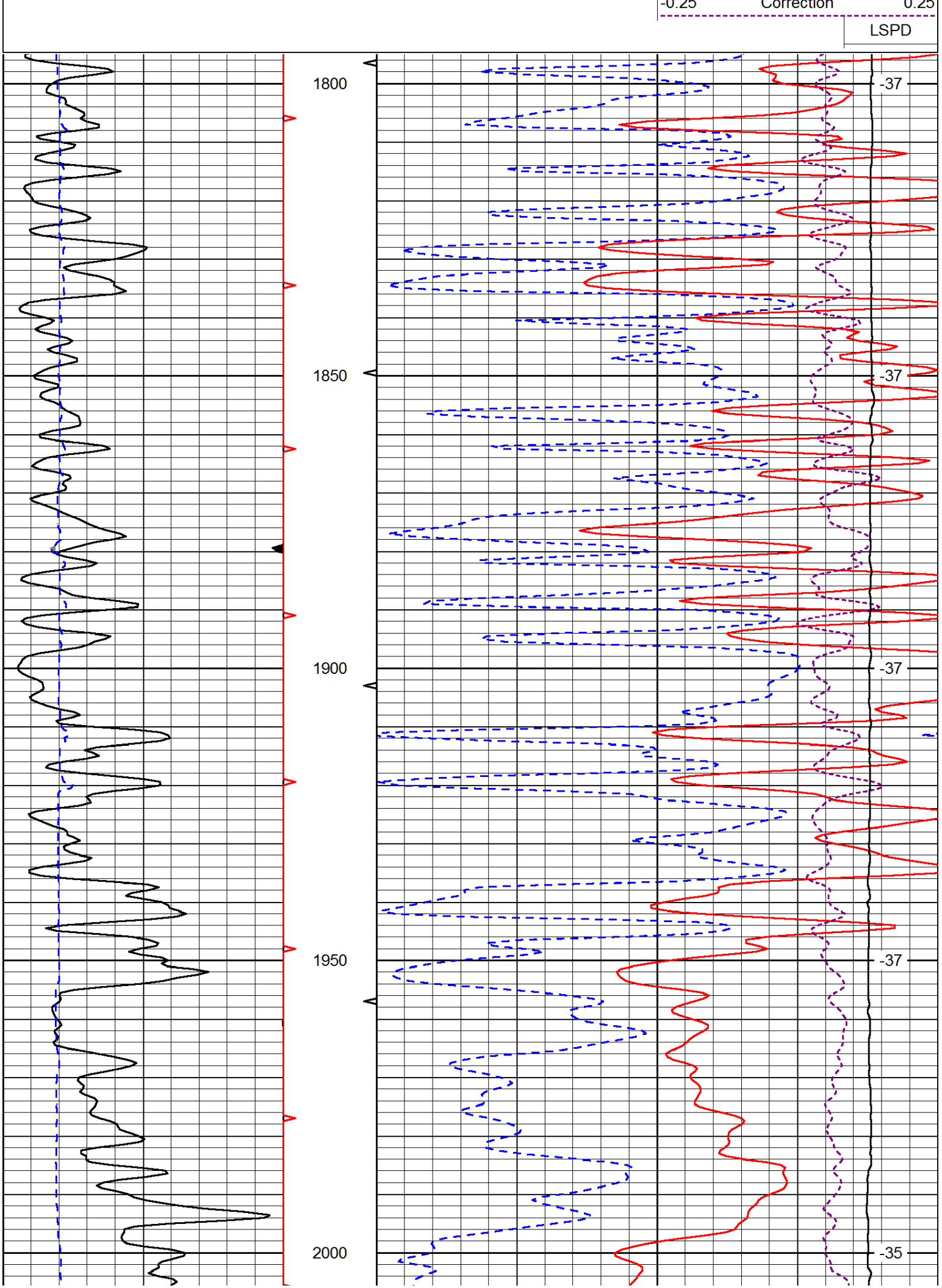

2850
2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
-34
-34
-34
-34
-33
-33
-32
-33
-32
-33
-33

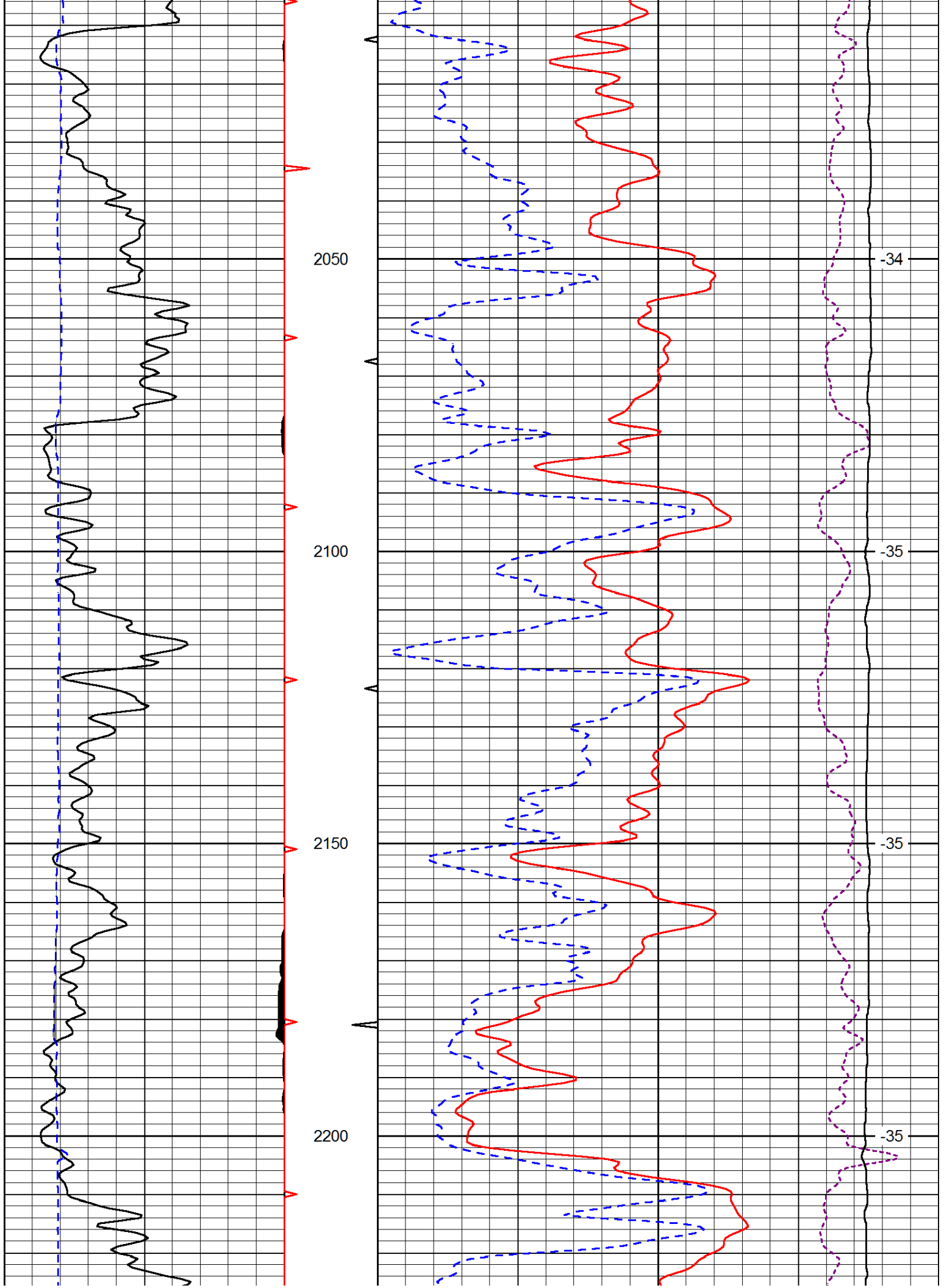

3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
-32
-33
-32
-33
-31
-31
-31
-31
-32
-31
-32

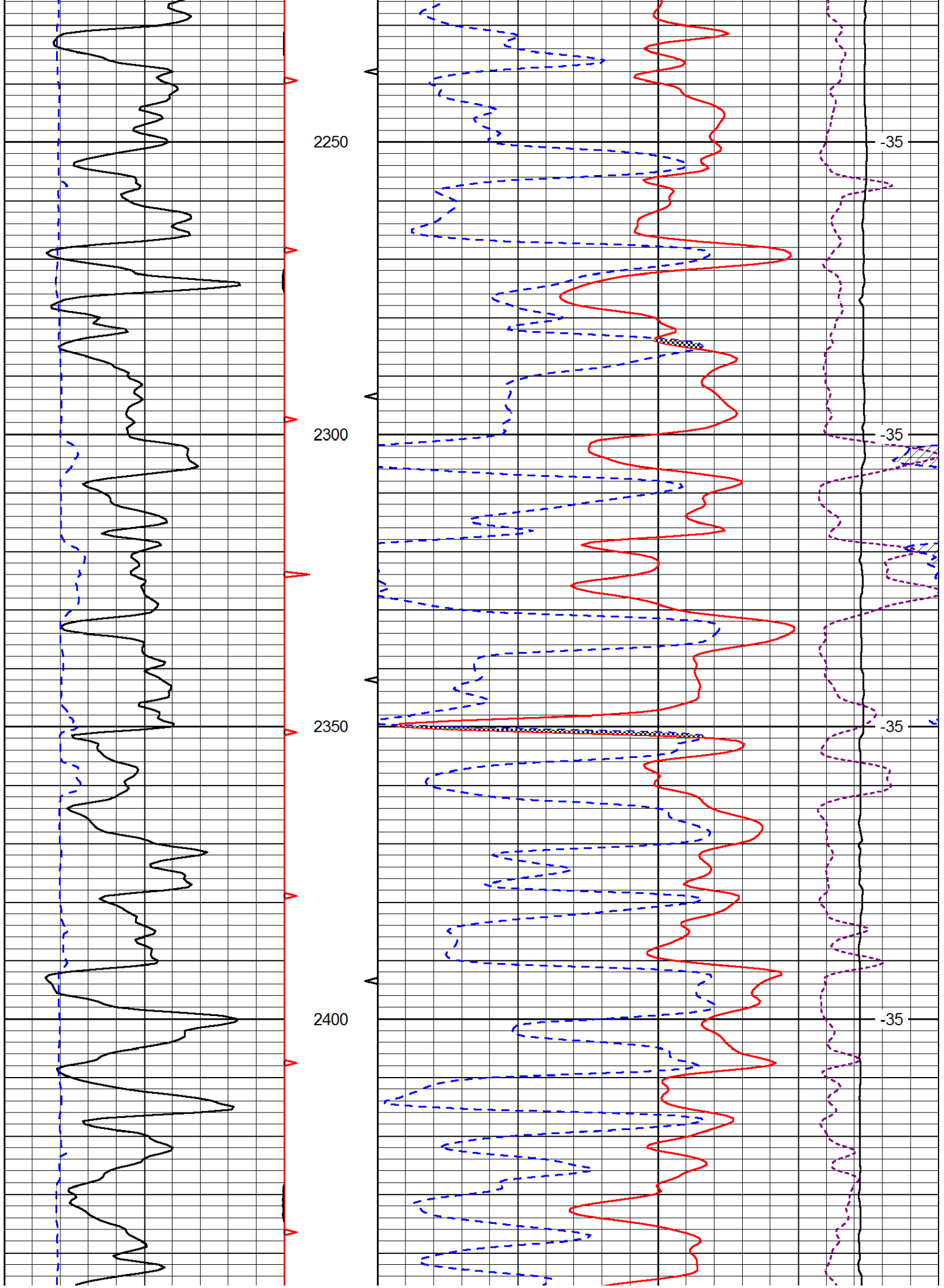


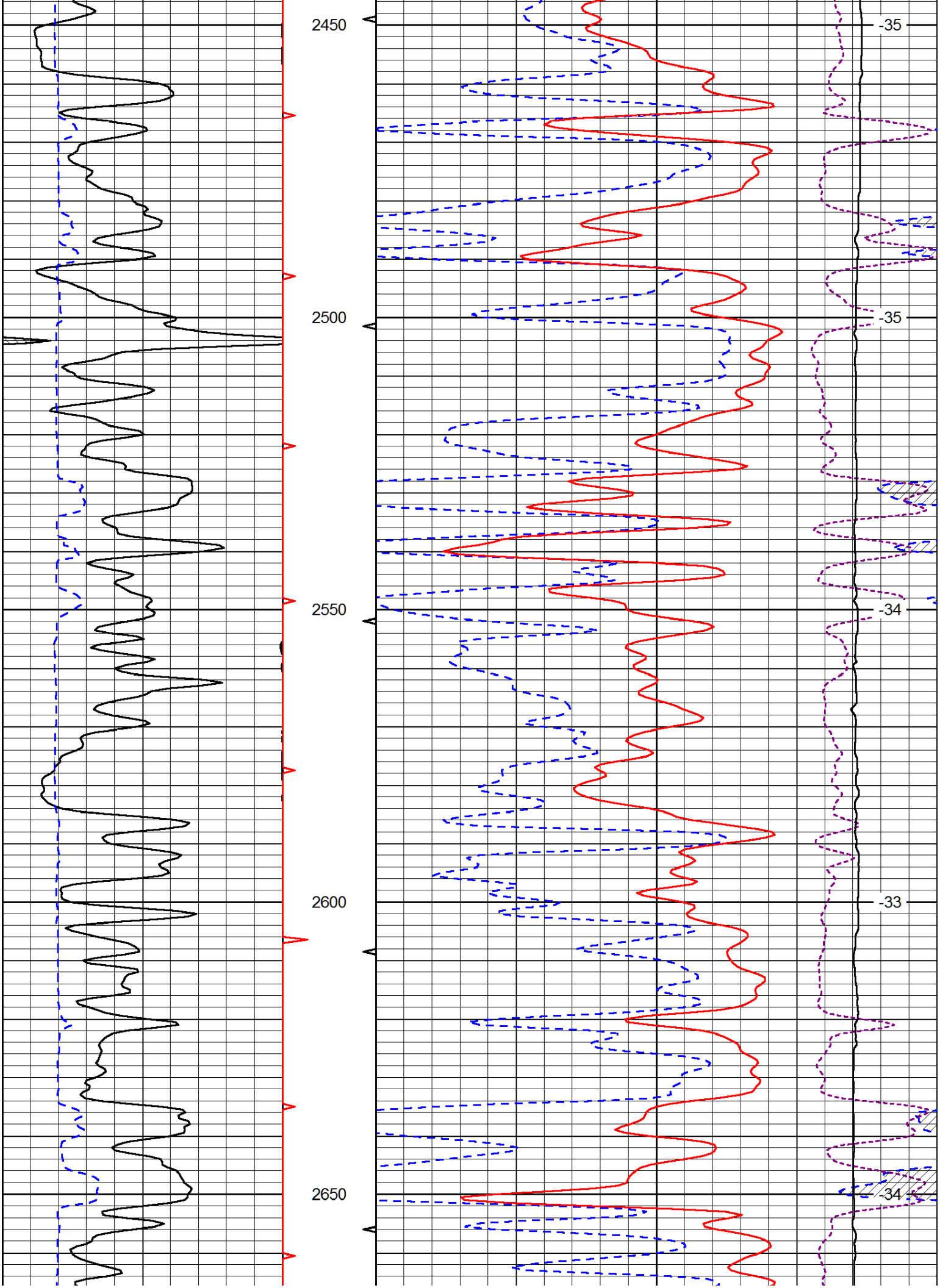
Database File: timhd.db
Dataset Pathname: dil/timstk
Presentation Format: cndlspec
Dataset Creation: Tue Sep 30 09:31:15 2014
Charted by: Depth in Feet scaled 1:240

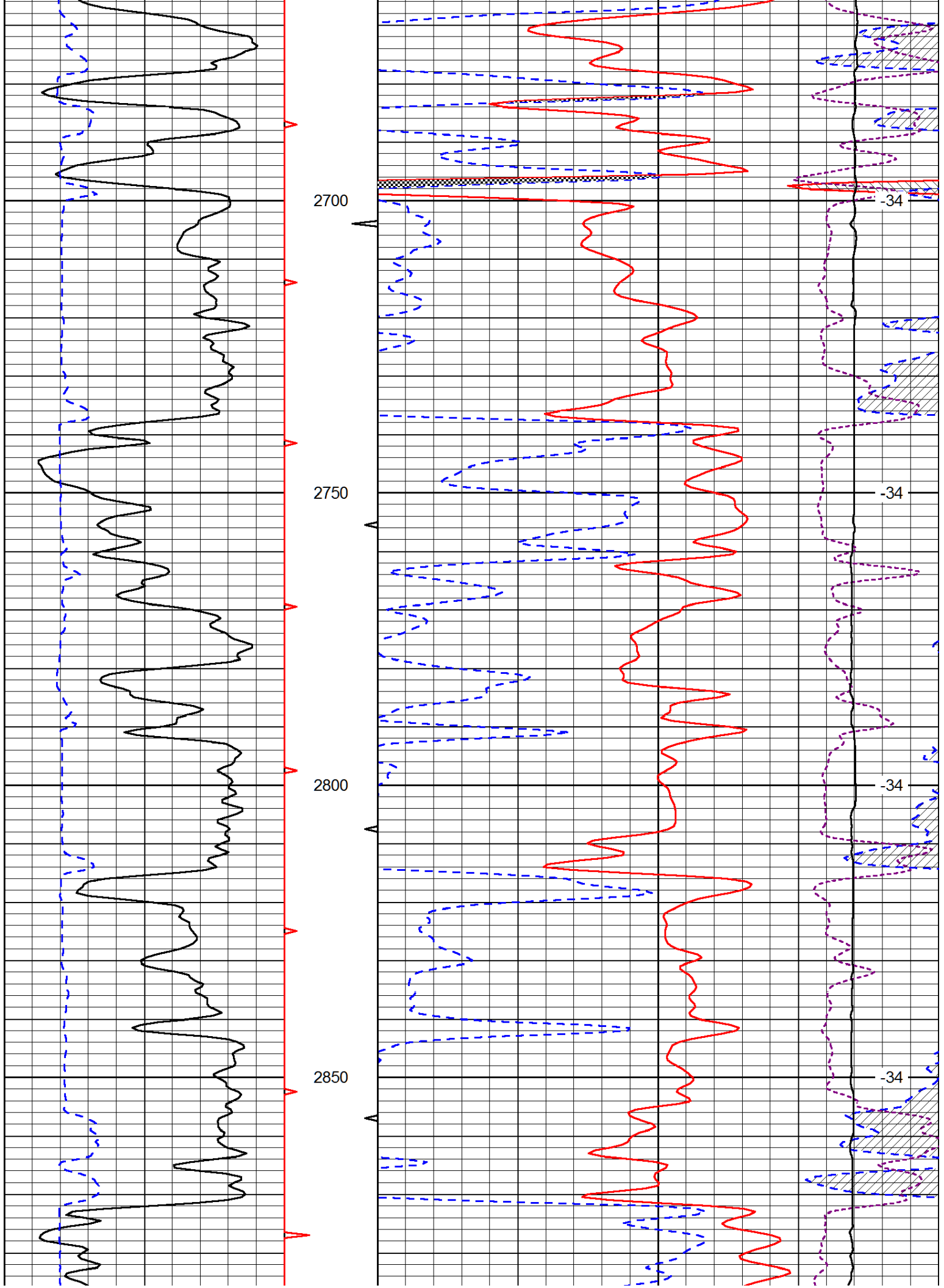


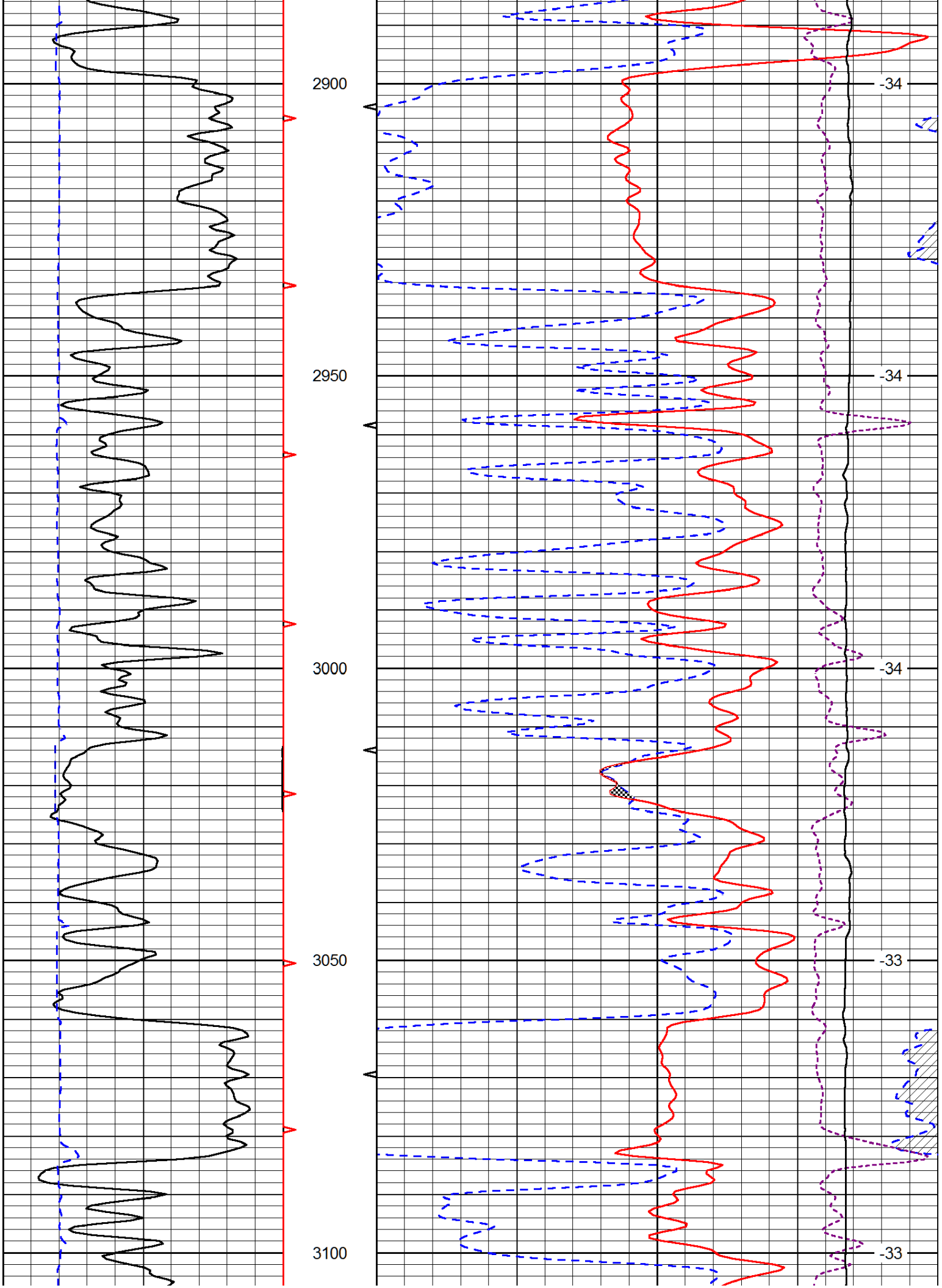

-0.25
Correction
0.25
LSPD
1800
1850
1900
1950
2000
-37
-37
-37
-37
-35

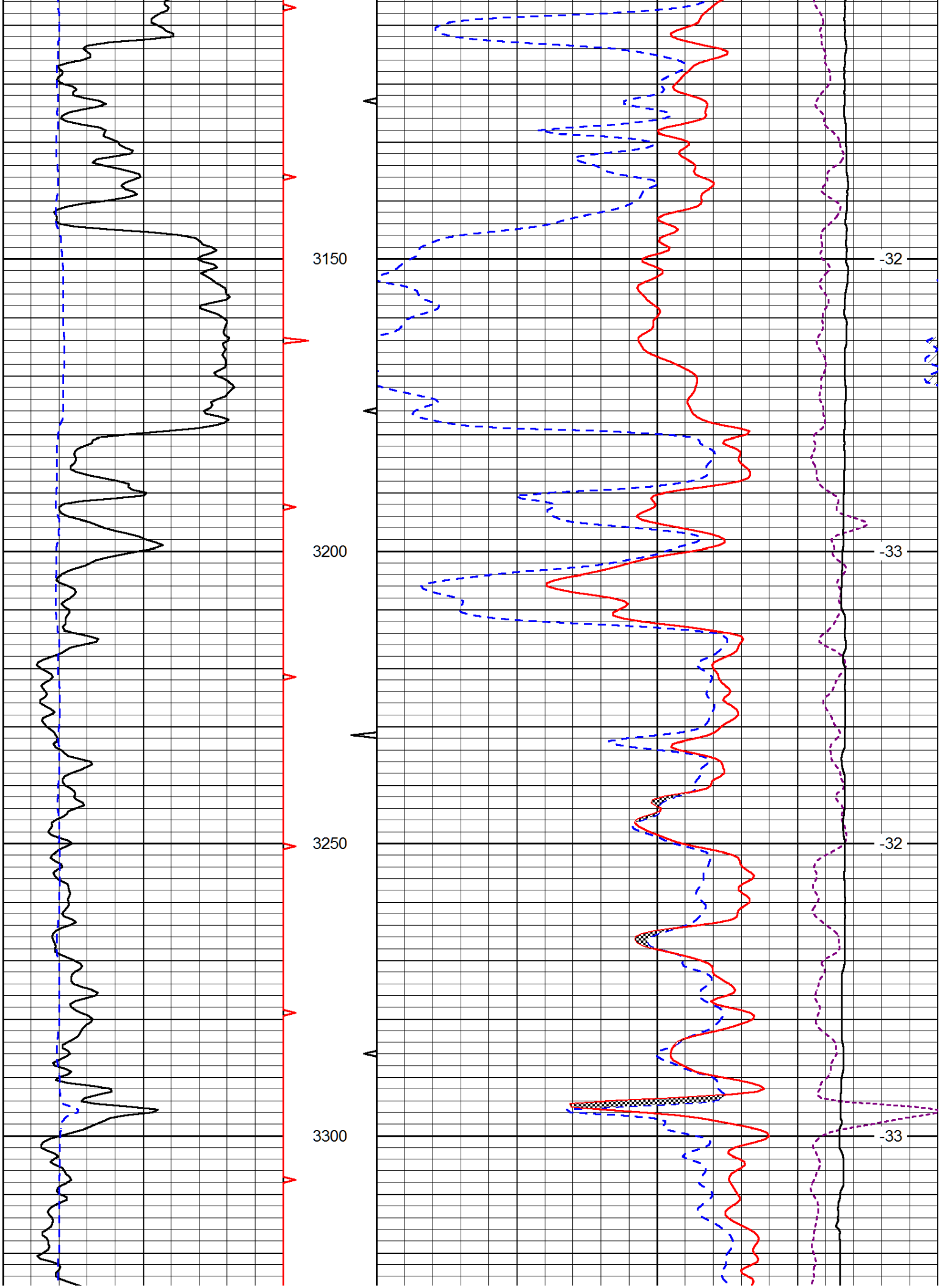

2050
2100
2150
2200
-34
-35
-35
-35

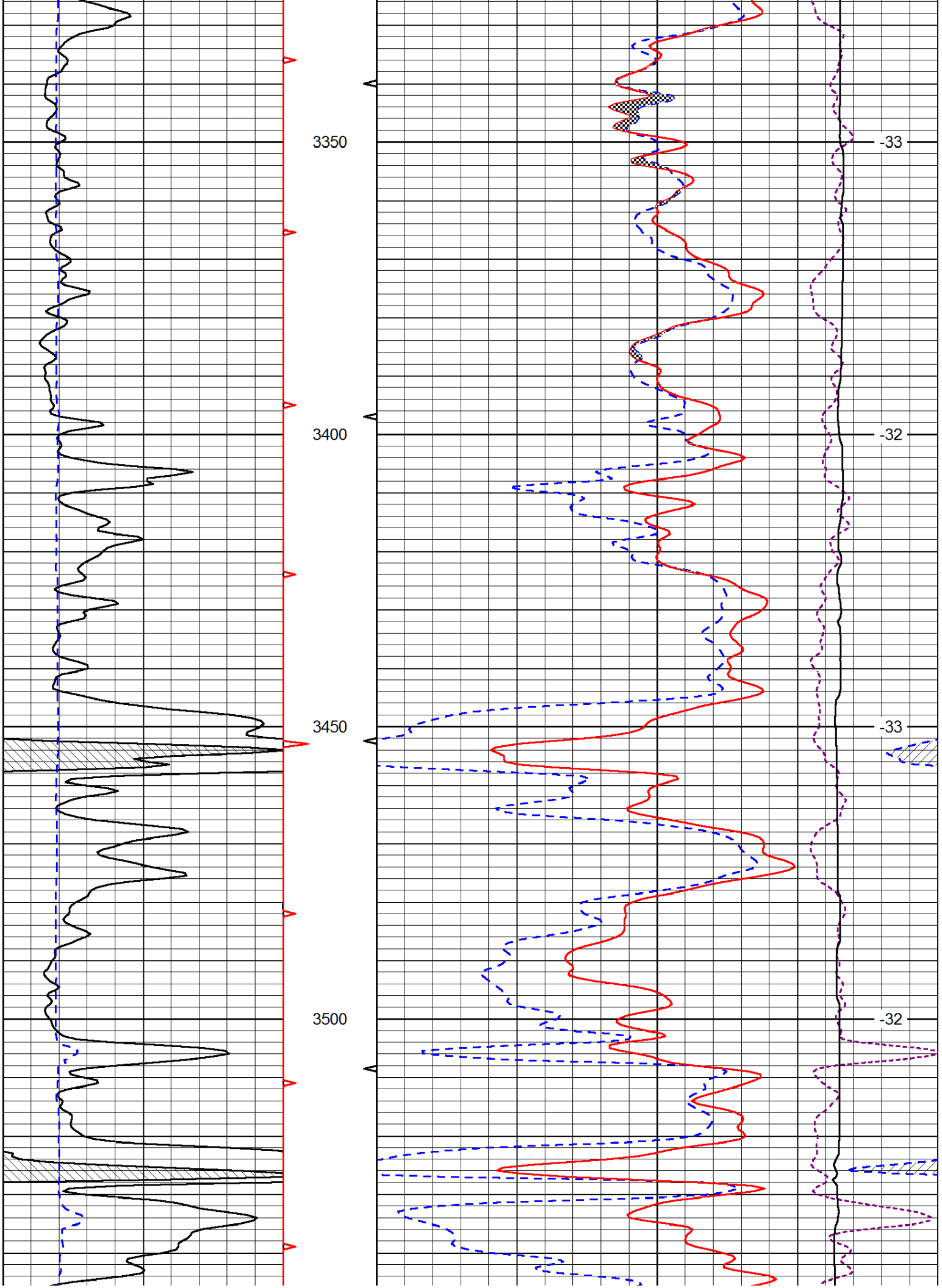

2250
2300
2350
2400
-35
-35
-35

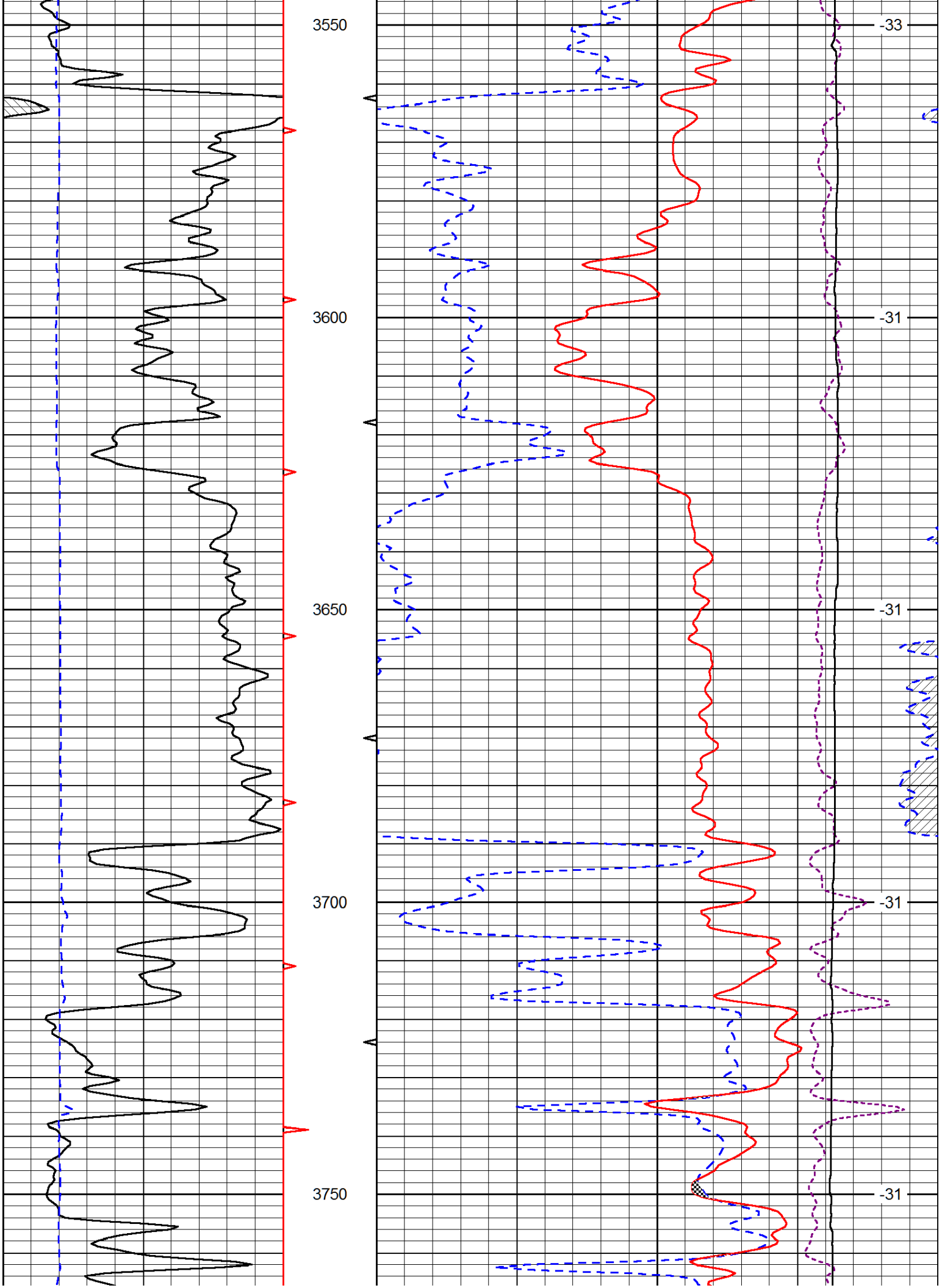

2450
2500
2550
2600
2650
-35
-35
-34
-33
-34

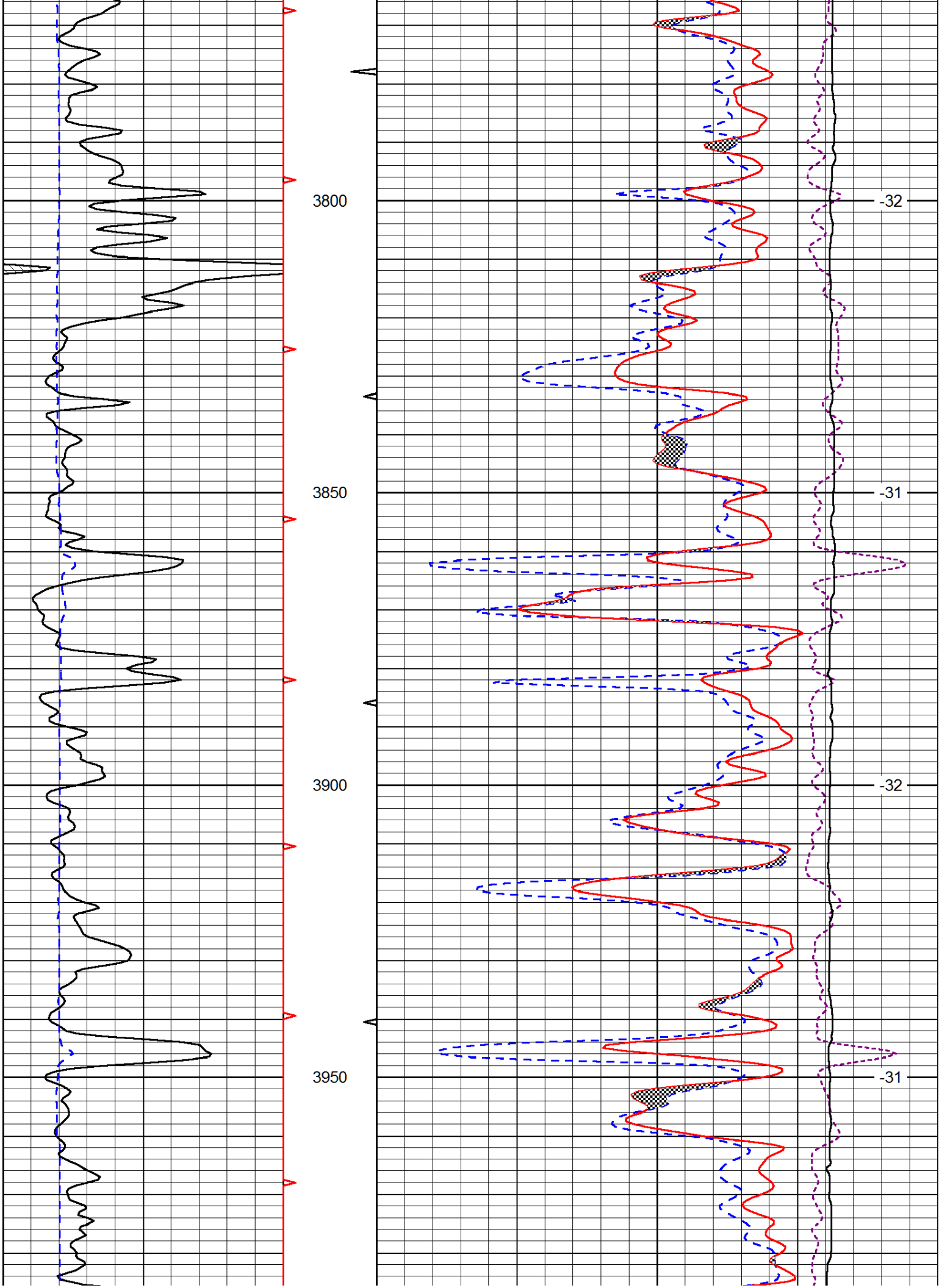

2700
2750
2800
2850
-34
-34
-34
-34

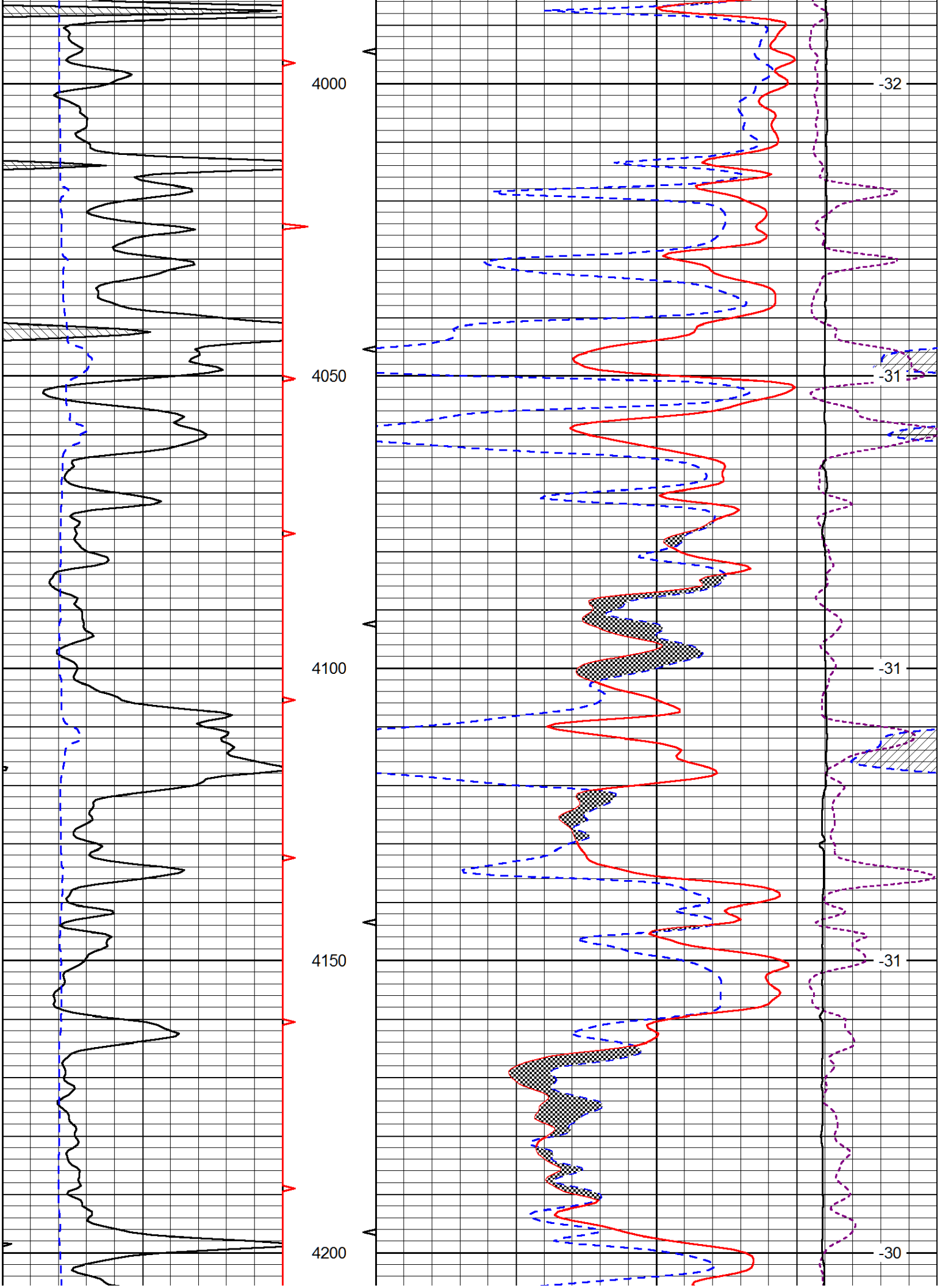

2900
2950
3000
3050
3100
-34
-34
-34
-33
-33

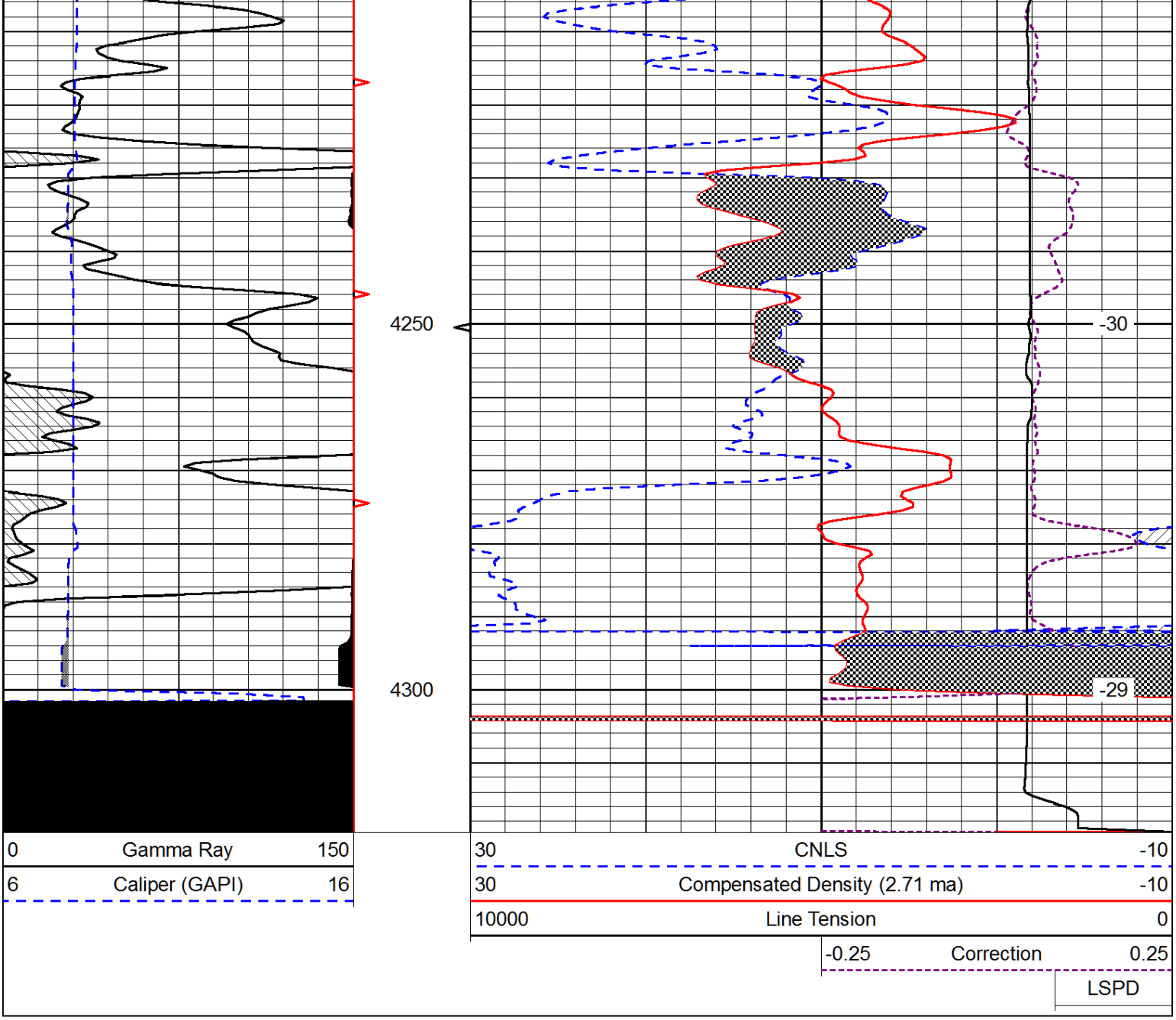

3150
3200
3250
3300
-32
-33
-32
-33


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


3550
3600
3650
3700
3750
-33
-31
-31
-31
-31


3800
3850
3900
3950
-32
-31
-32
-31


4000
4050
4100
4150
4200
-32
-31
-31
-31
-30


4250
4300
-30
-29
0 Gamma Ray 150
6 Caliper (GAPI) 16
30 CNLS -10
30 Compensated Density (2.71 ma) -10
10000 Line Tension 0
-0.25 Correction 0.25
LSPD