PIONEER

Pioneer Energy Services

Dual Induction Log

API No. 15-007-23972-00-00

Company Roberts Resources, Inc.

Well Thom A #2-28

Field Nurse

County Barber State Kansas

Location 1080' FNL & 407' FEL

Sec: 28 Twp: 31S Rge: 13W

Other Services
CNL/CDL
MEL/BHCS

Elevation
K.B. 1601
D.F.
G.L. 1592

Permanent Datum Ground Level Elevation 1592
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	12/21/2012			
Run Number	One			
Depth Driller	4530			
Depth Logger	4512			
Bottom Logged Interval	4511			
Top Log Interval	250			
Casing Driller	8.625 @ 264			
Casing Logger	263			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	6000			
Density / Viscosity	9.4 / 52			
pH / Fluid Loss	10.5 / 10.4			
Source of Sample	Flowline			
Rm @ Meas. Temp	0.26 @ 54			
Rmf @ Meas. Temp	0.20 @ 54			
Rmc @ Meas. Temp	0.35 @ 54			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.11 @ 123			
Operating Rig Time	5 Hours			
Max. Rec. Temp. F	123			
Equipment Number	91			
Location	Hays			
Recorded By	D. Schmidt			
Witnessed By	Kent Roberts			

<<< Fold Here >>>

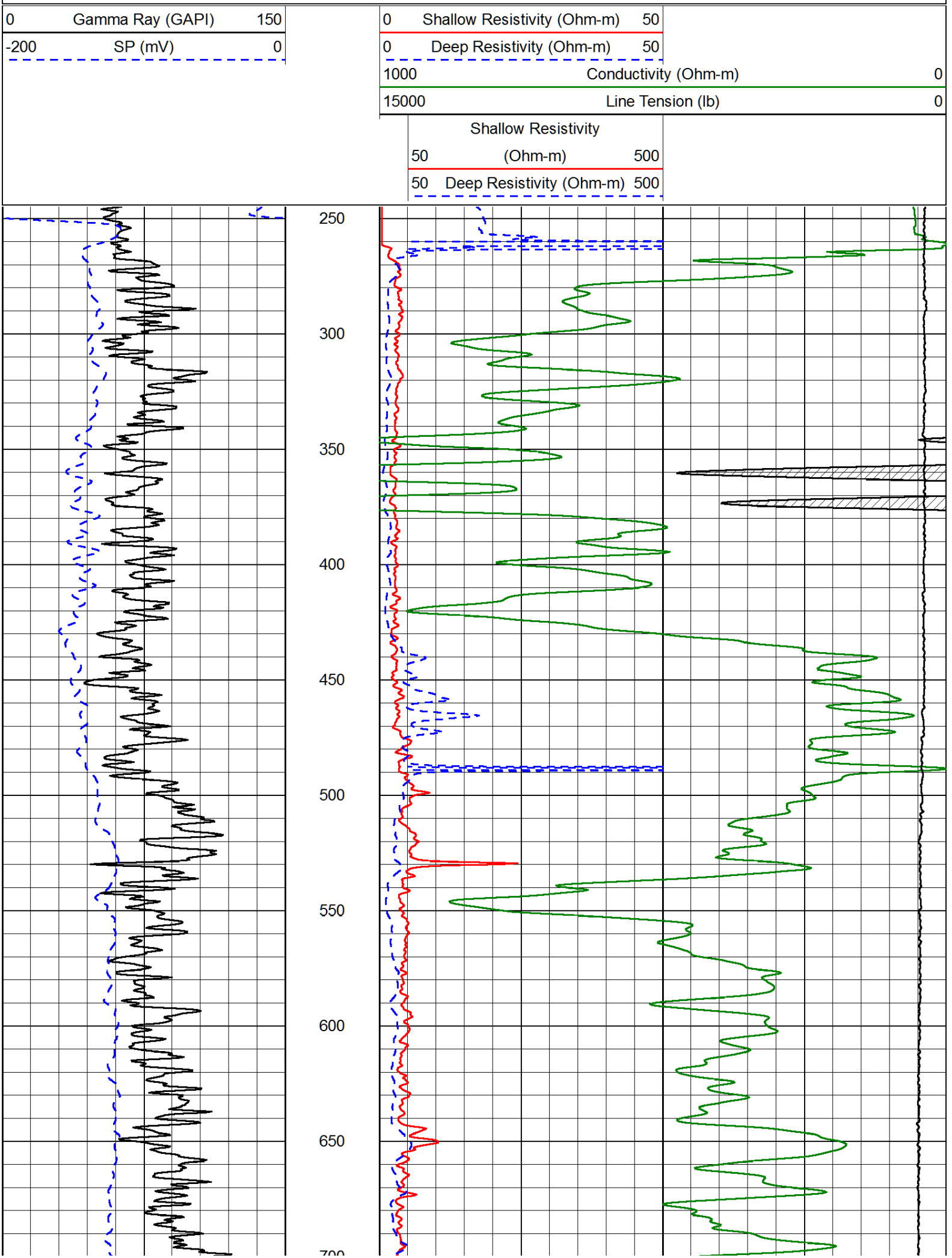
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

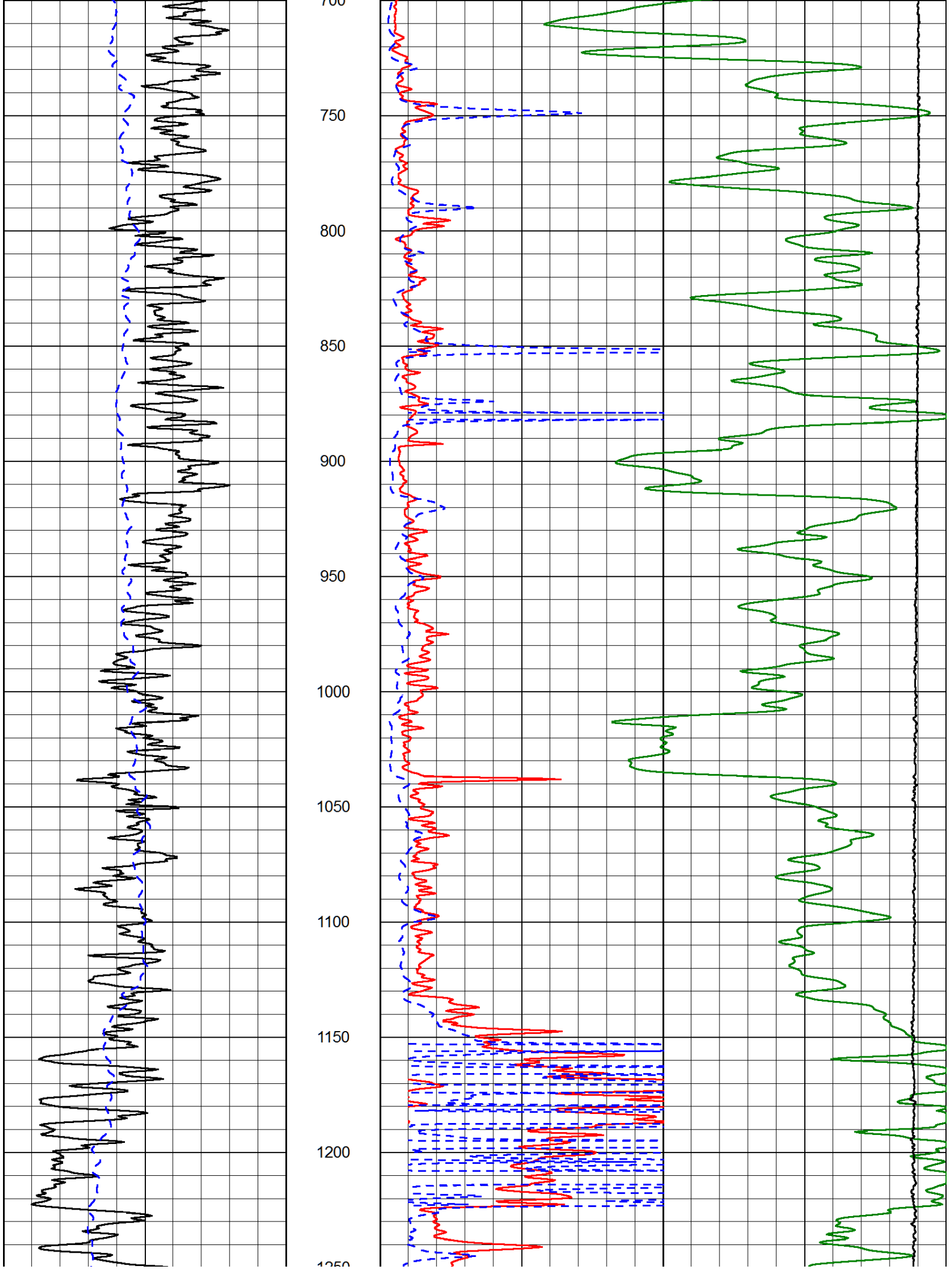
Comments

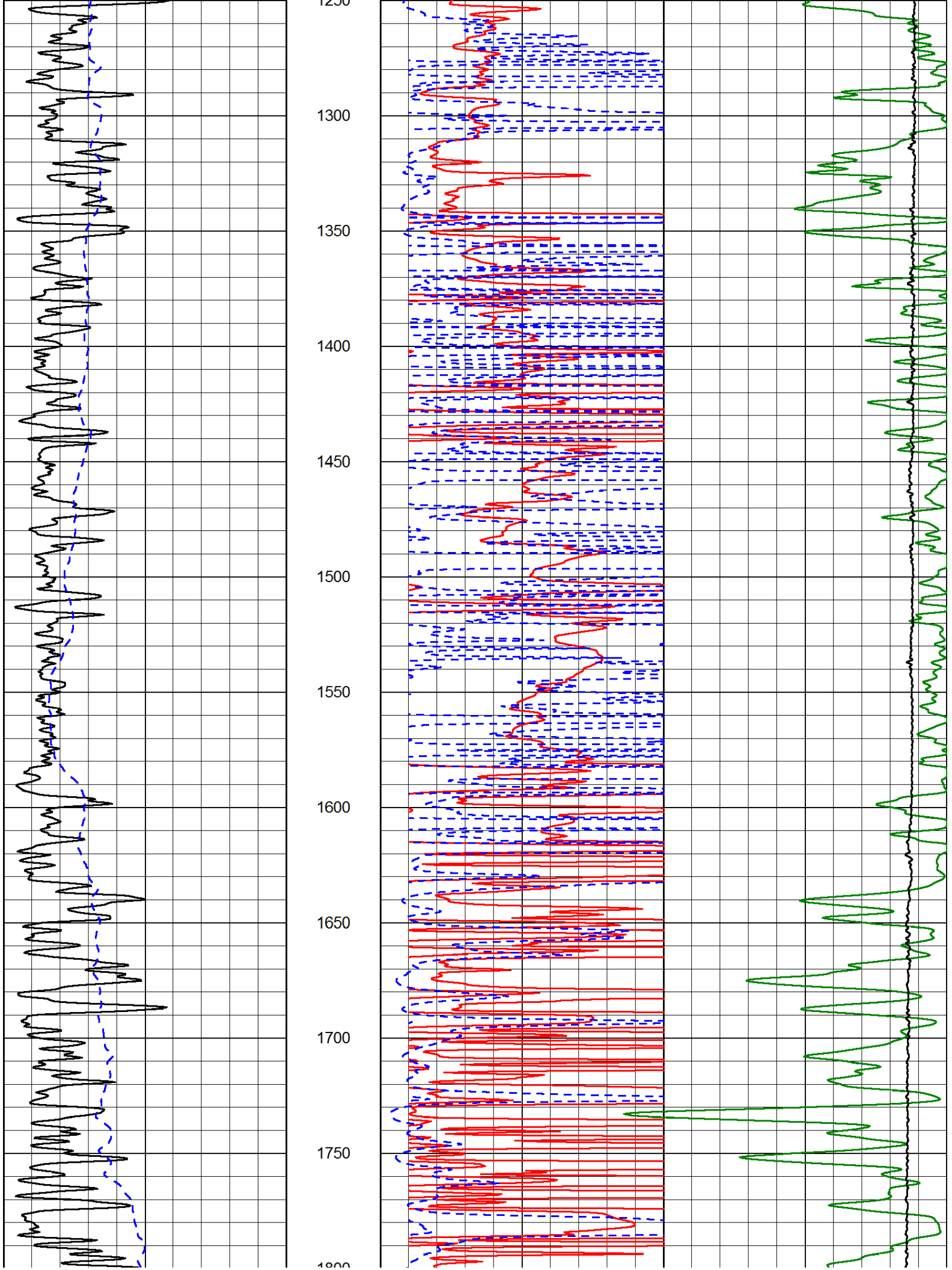
Thank you for using Log-Tech, Inc.
(785) 625-3858

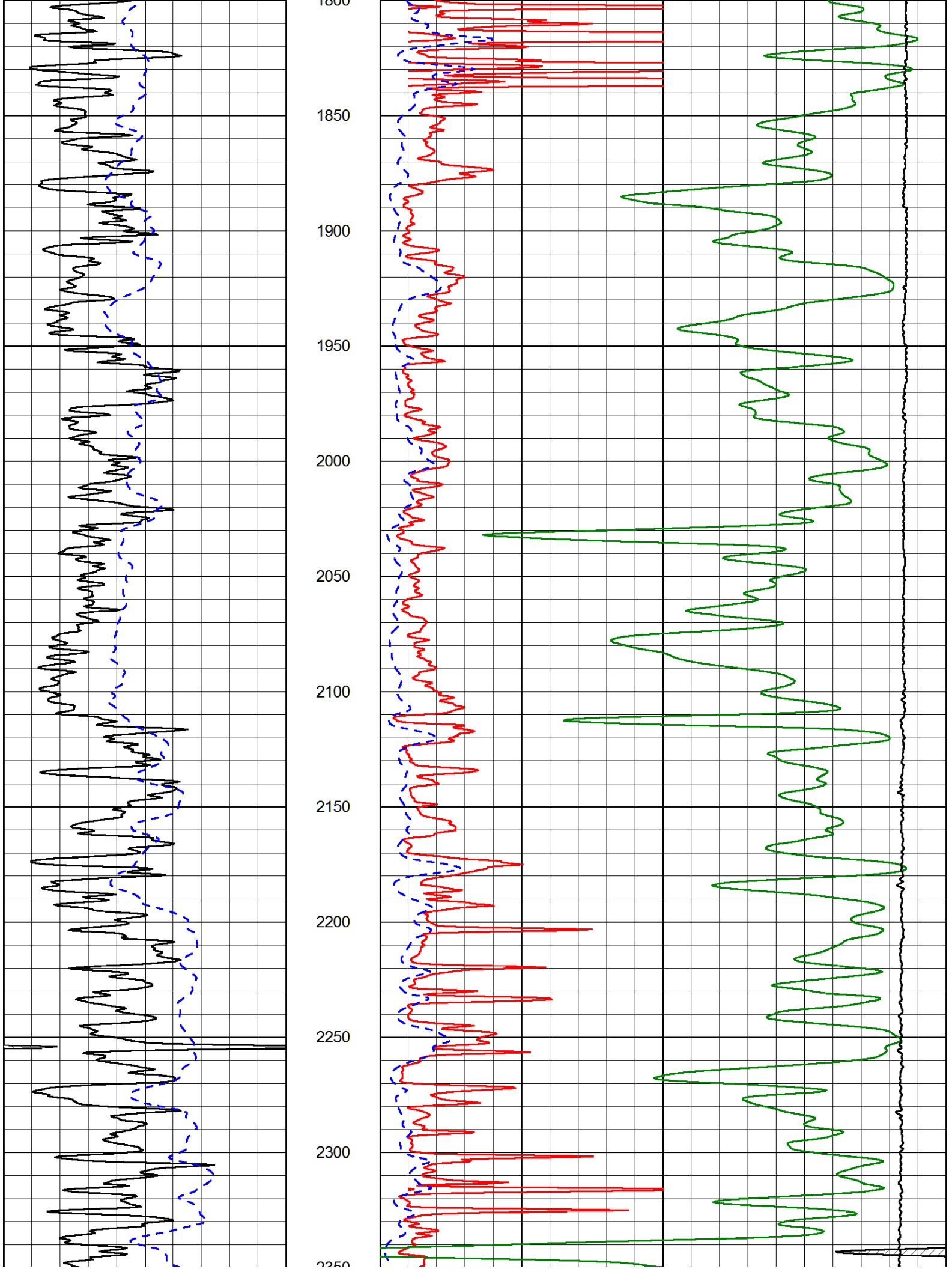
Medicine Lodge,
West on River Rd to Forest City Rd,
S & W into

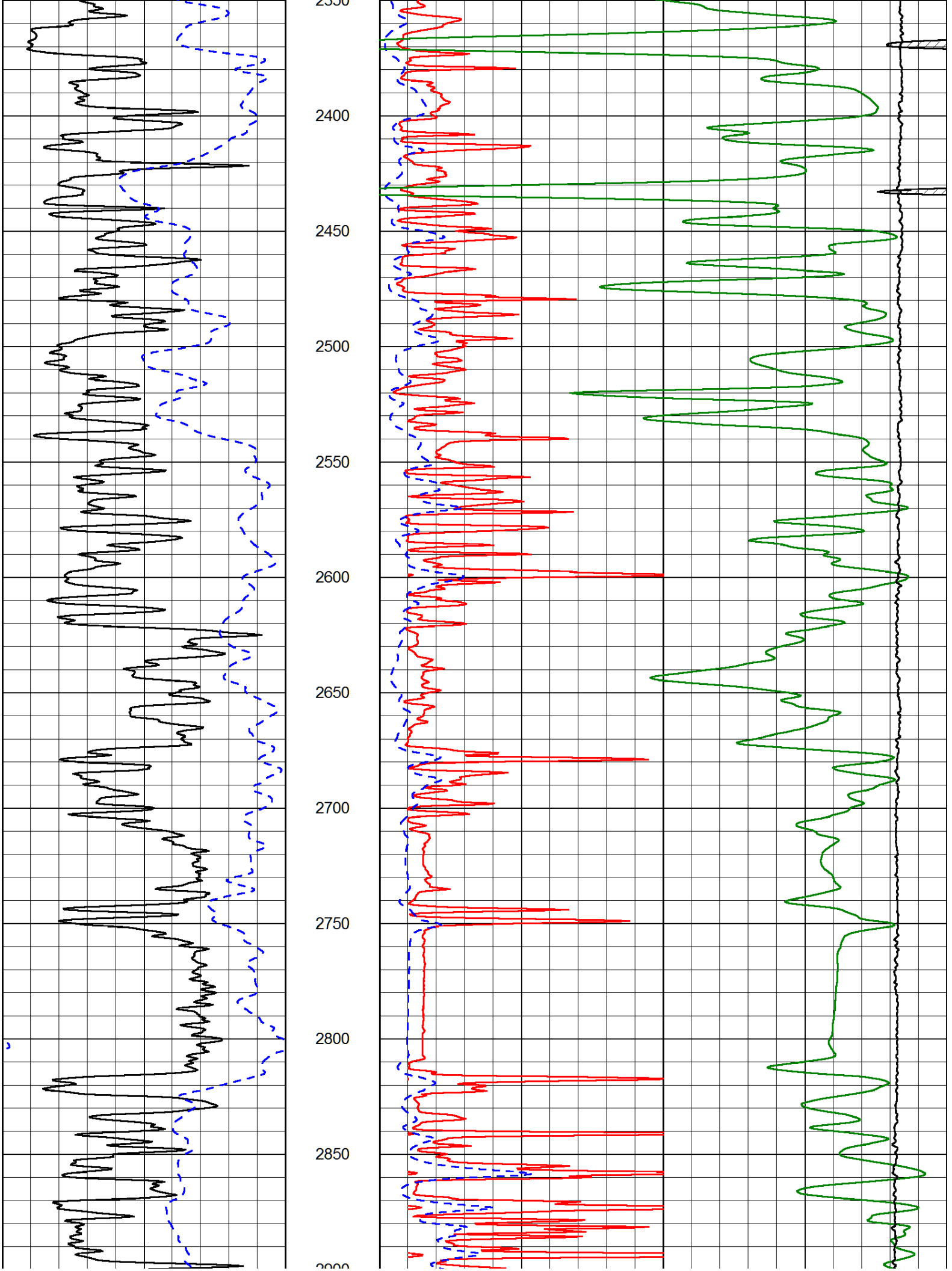
Database File:	roberts_122112hd.db
Dataset Pathname:	dil/robstack
Presentation Format:	dil2in
Dataset Creation:	Fri Dec 21 18:42:56 2012
Charted by:	Depth in Feet scaled 1:600

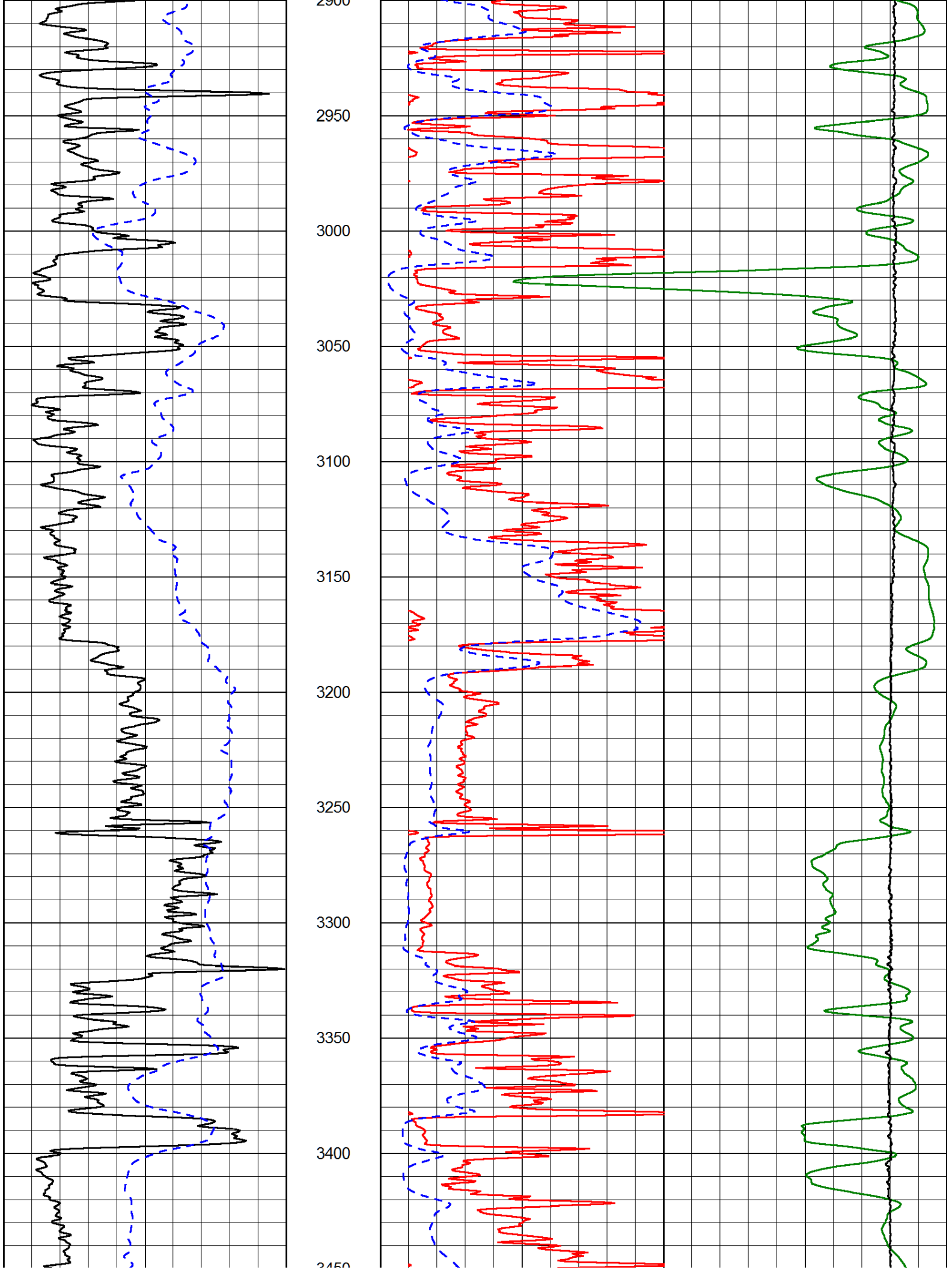

0 Gamma Ray (GAPI) 150
-200 SP (mV) 0
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (Ohm-m) 0
15000 Line Tension (lb) 0
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500
250
300
350
400
450
500
550
600
650

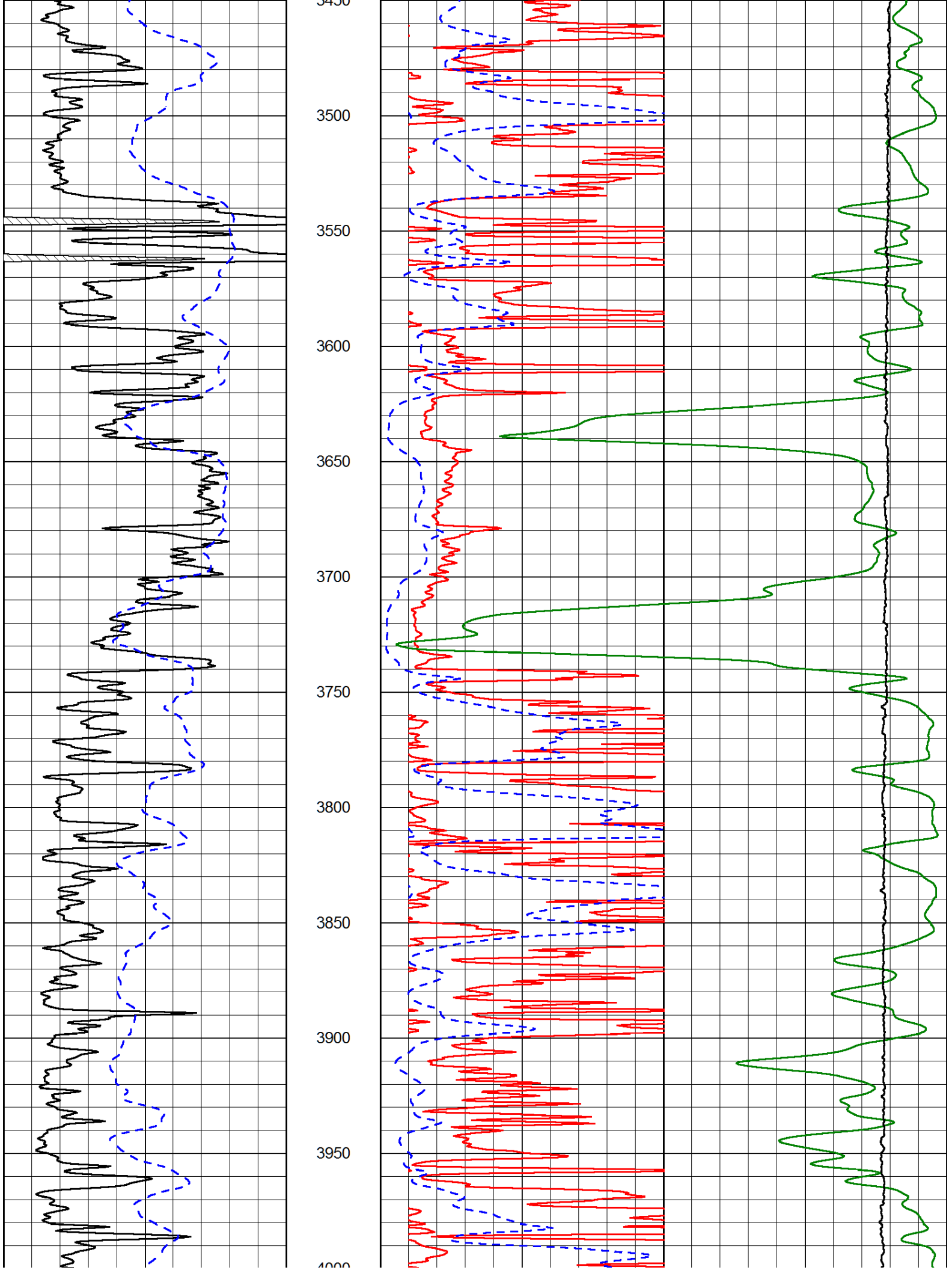

700
750
800
850
900
950
1000
1050
1100
1150
1200
1250

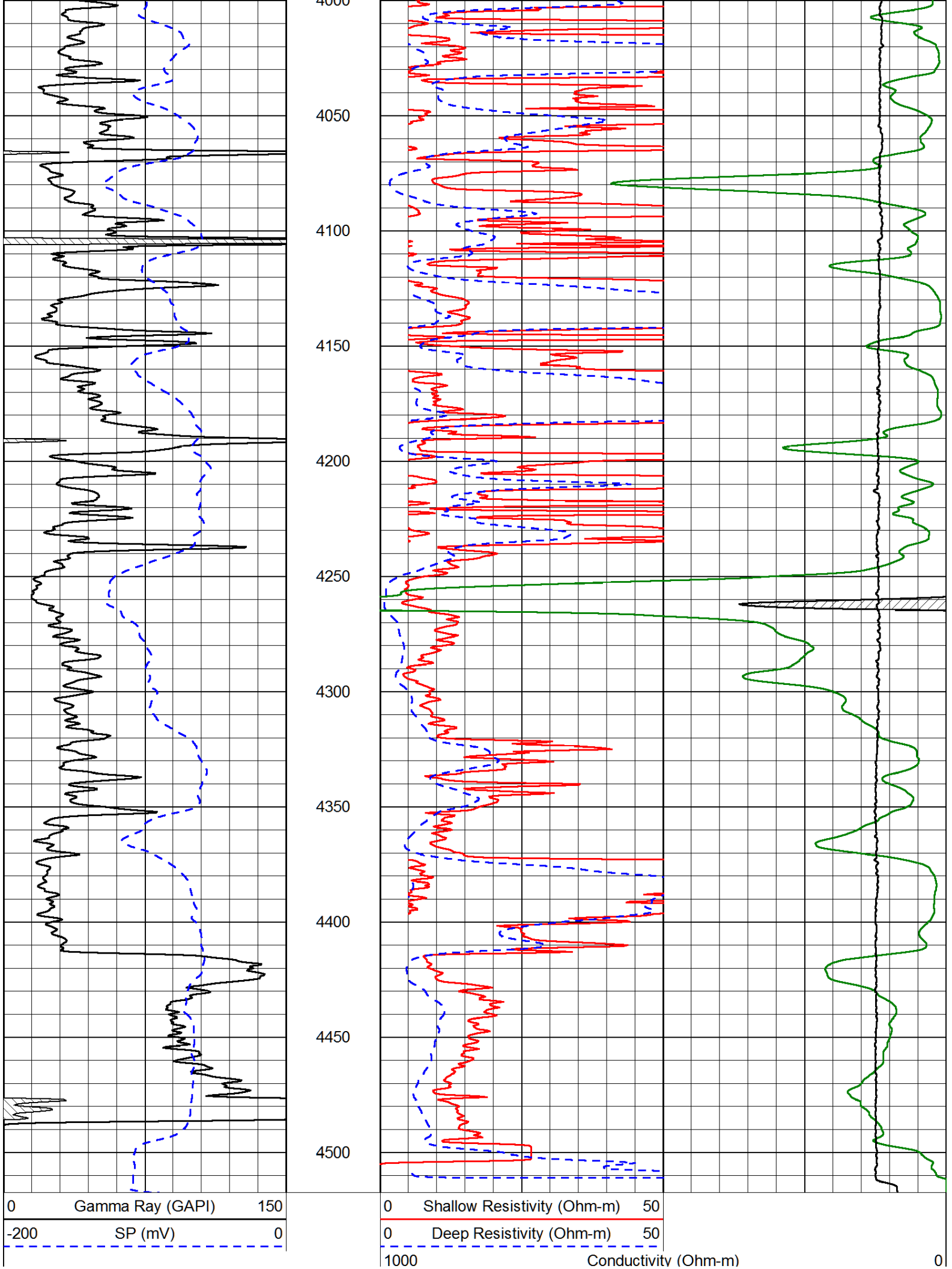

1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800


1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350


2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900


2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450


3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000


4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
0
Gamma Ray (GAPI)
150
-200
SP (mV)
0
0
Shallow Resistivity (Ohm-m)
50
0
Deep Resistivity (Ohm-m)
50
1000
Conductivity (Ohm-m)
0

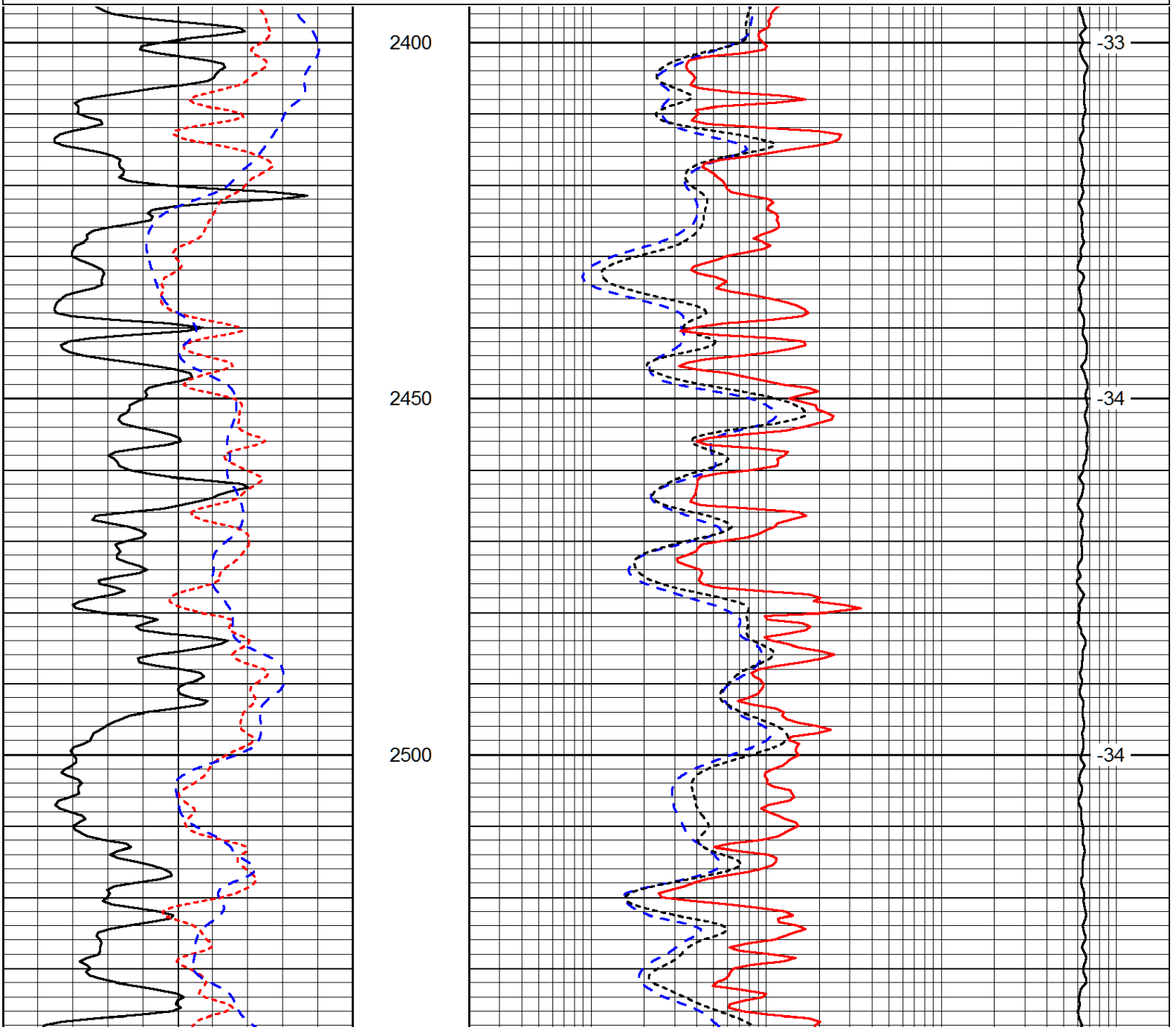
15000	Line Tension (lb)	0
	Shallow Resistivity	
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

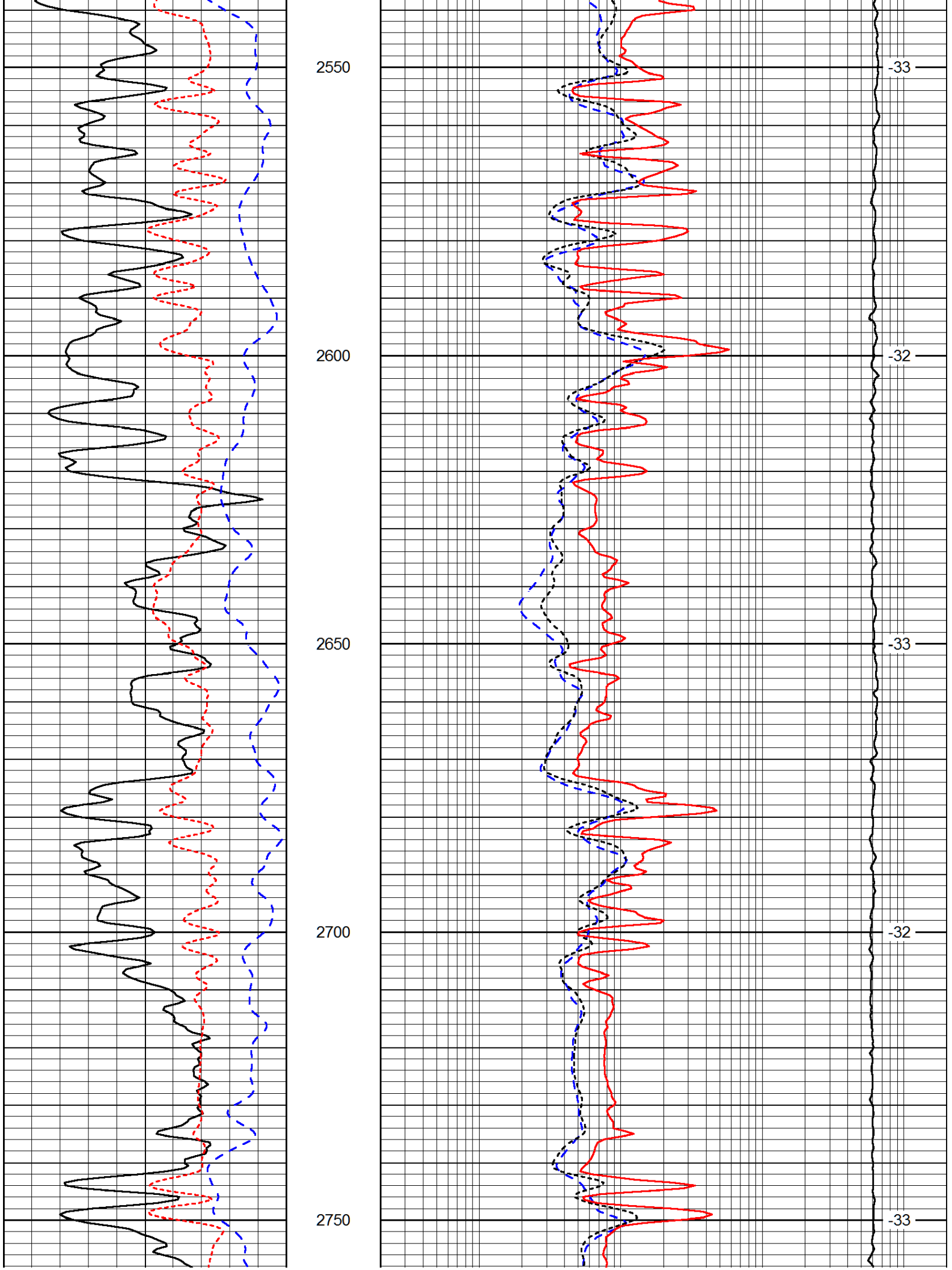
Database File: roberts_122112hd.db
Dataset Pathname: dil/robstack
Presentation Format: dil
Dataset Creation: Fri Dec 21 18:42:56 2012
Charted by: Depth in Feet scaled 1:240

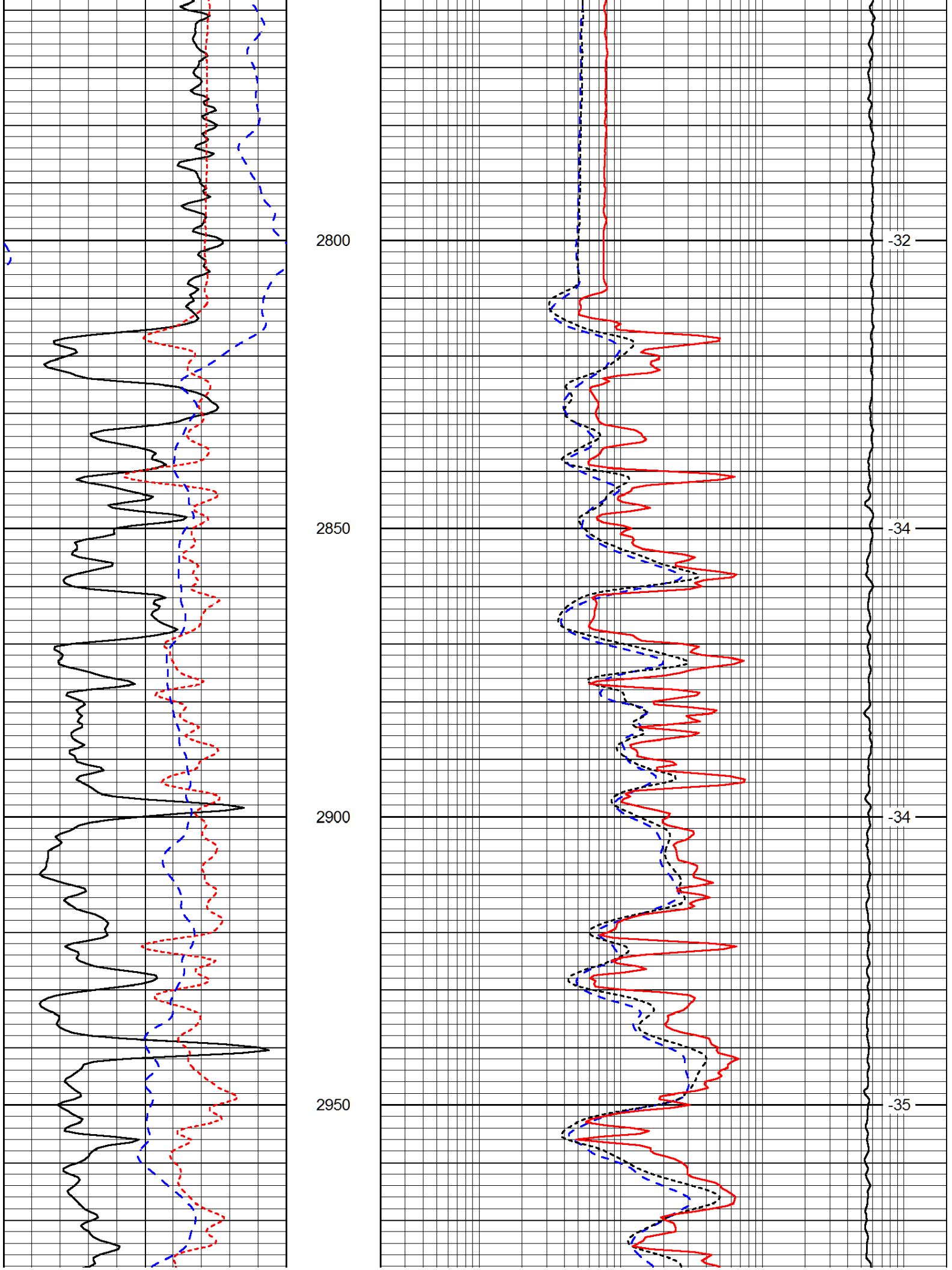
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

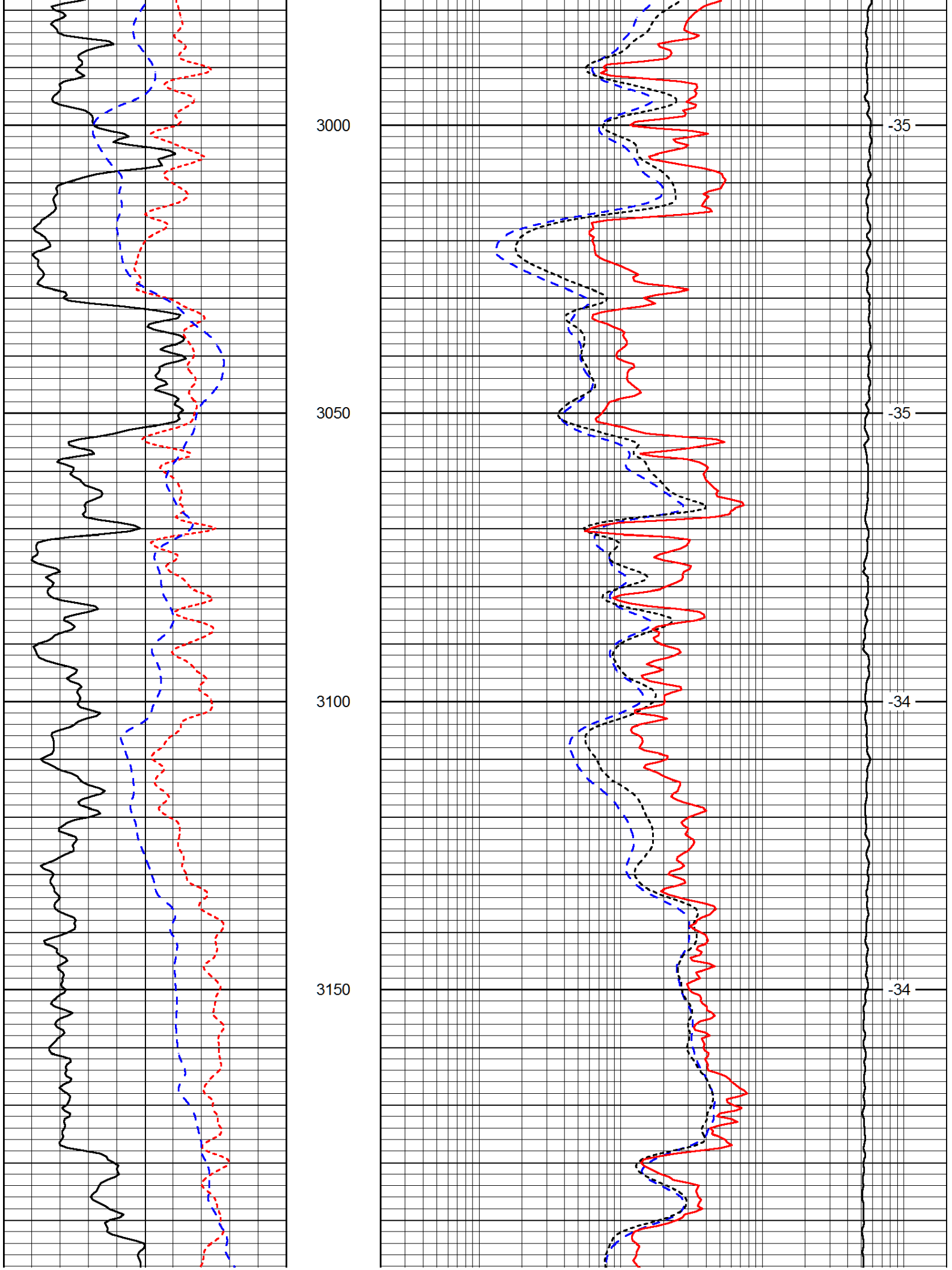
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

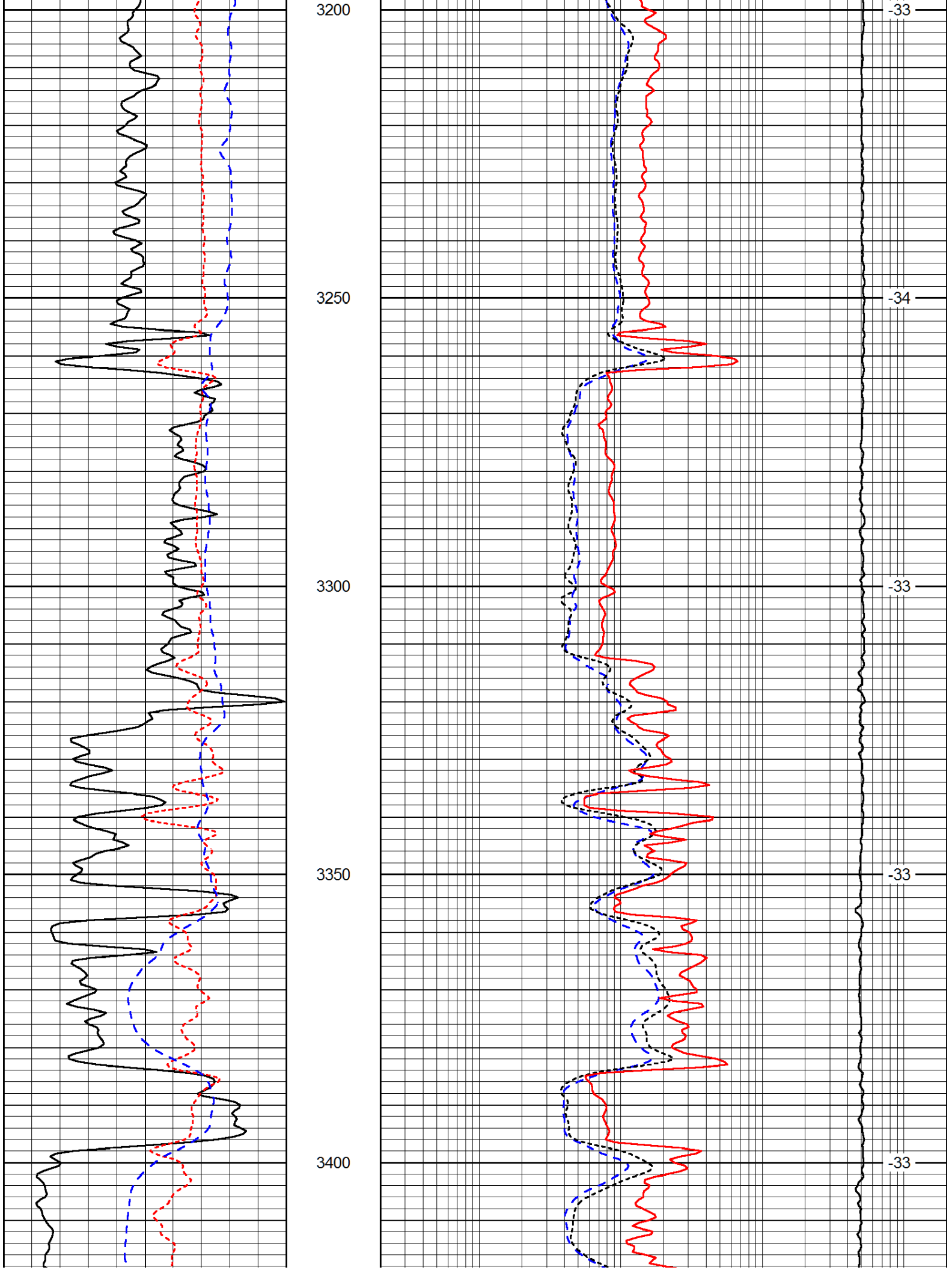
LSPD (ft/min)

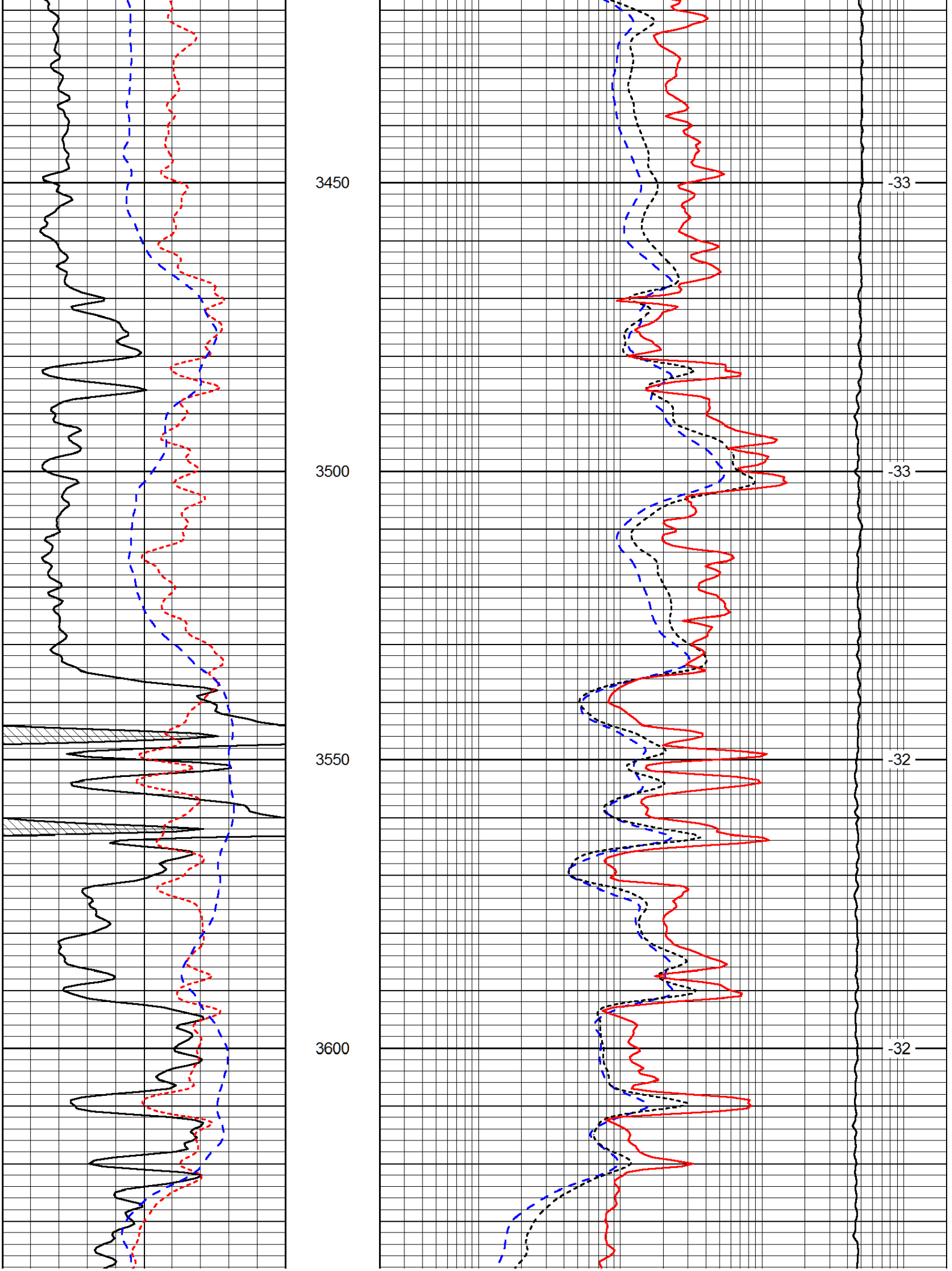


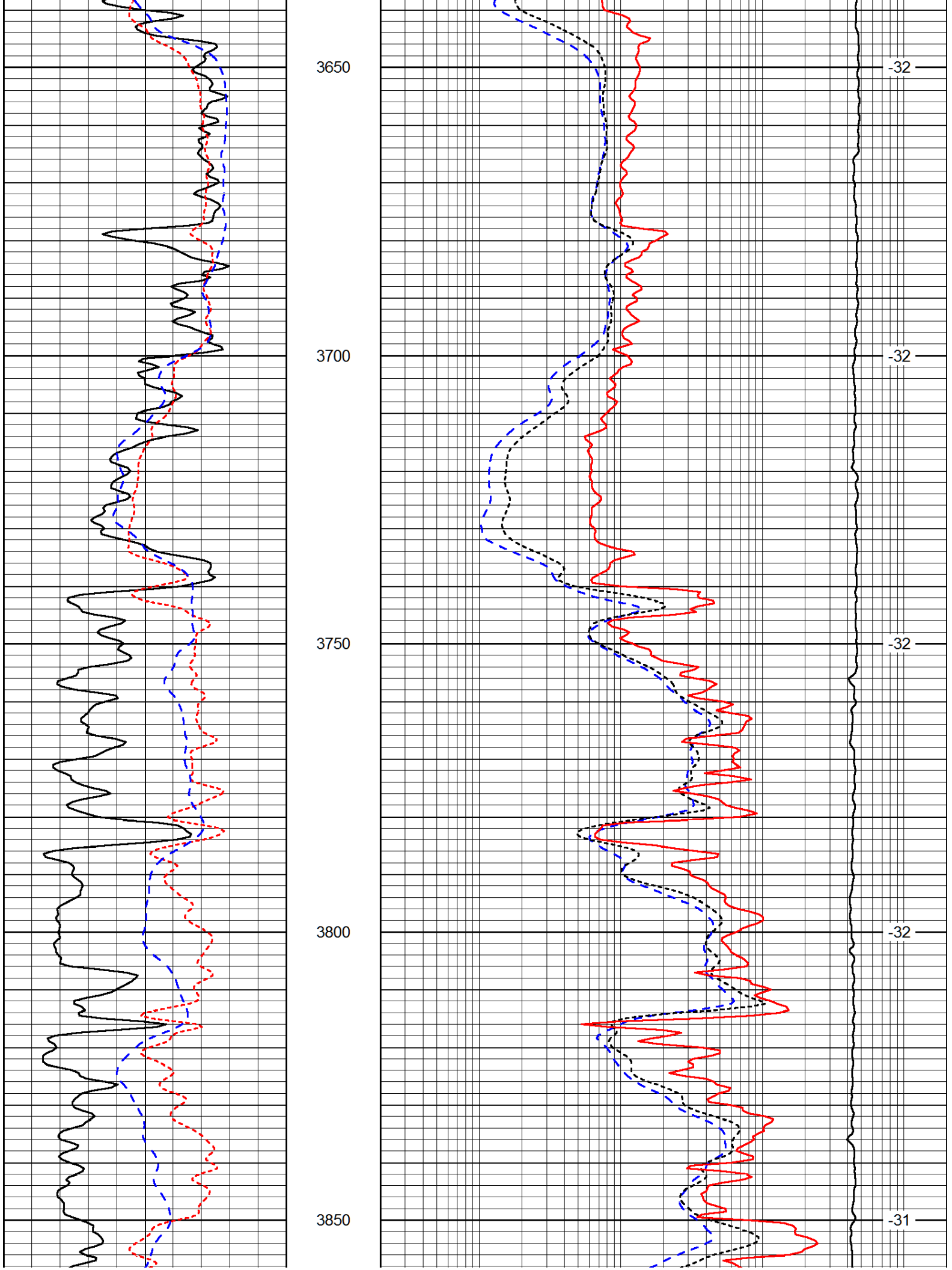

2550
2600
2650
2700
2750
-33
-32
-33
-32
-33

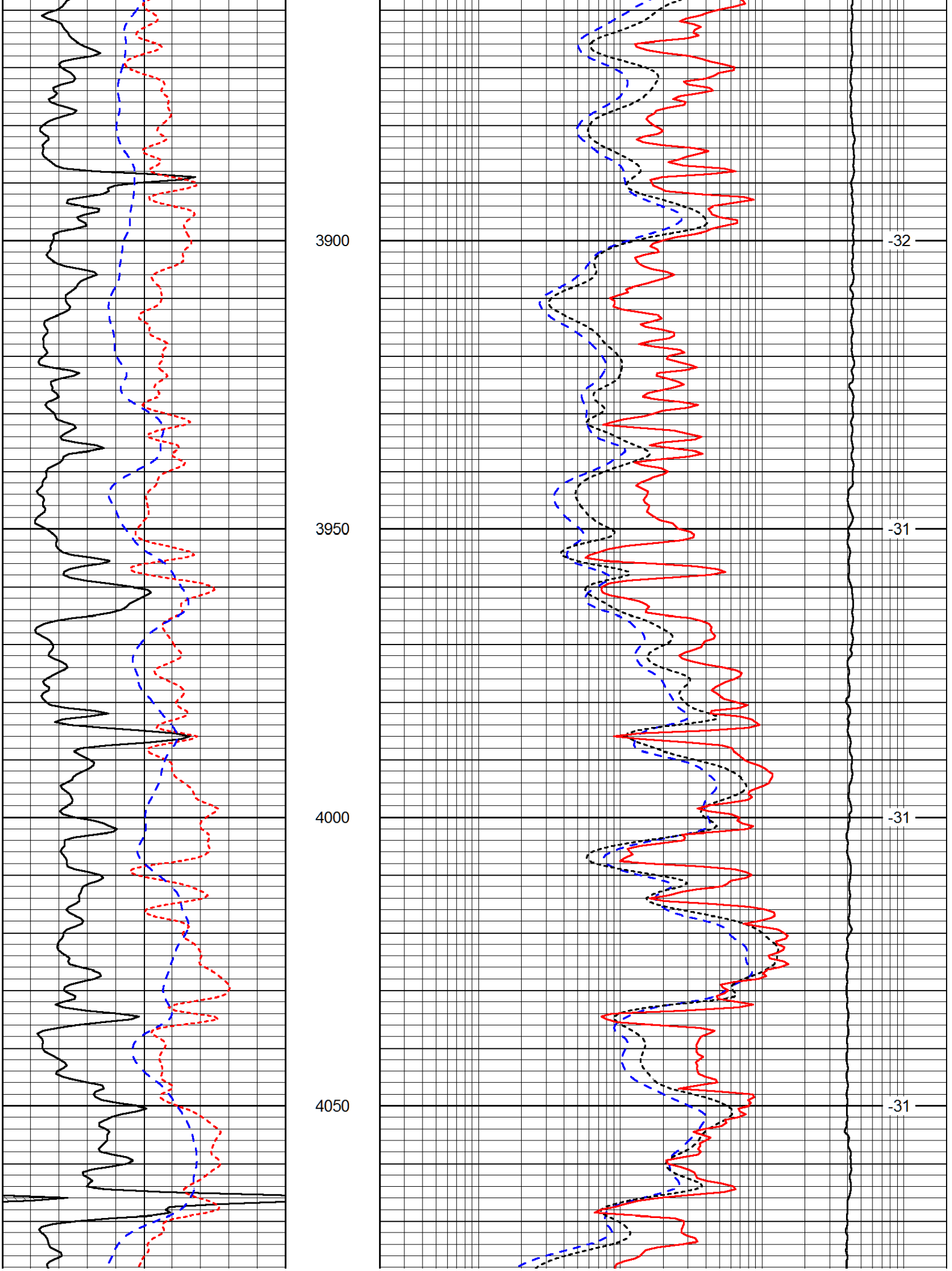

2800
2850
2900
2950
-32
-34
-34
-35

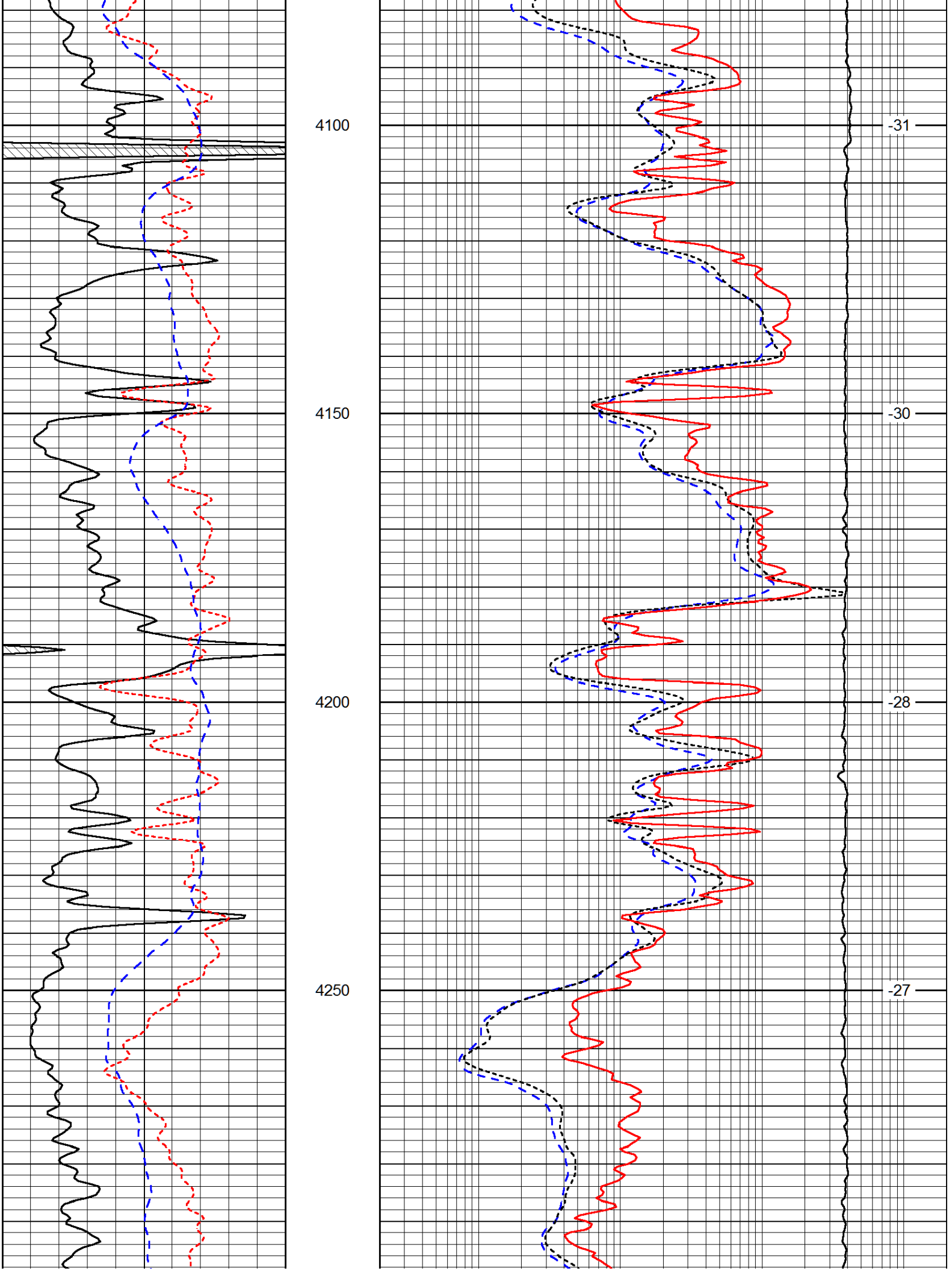

3000
3050
3100
3150
-35
-35
-34
-34

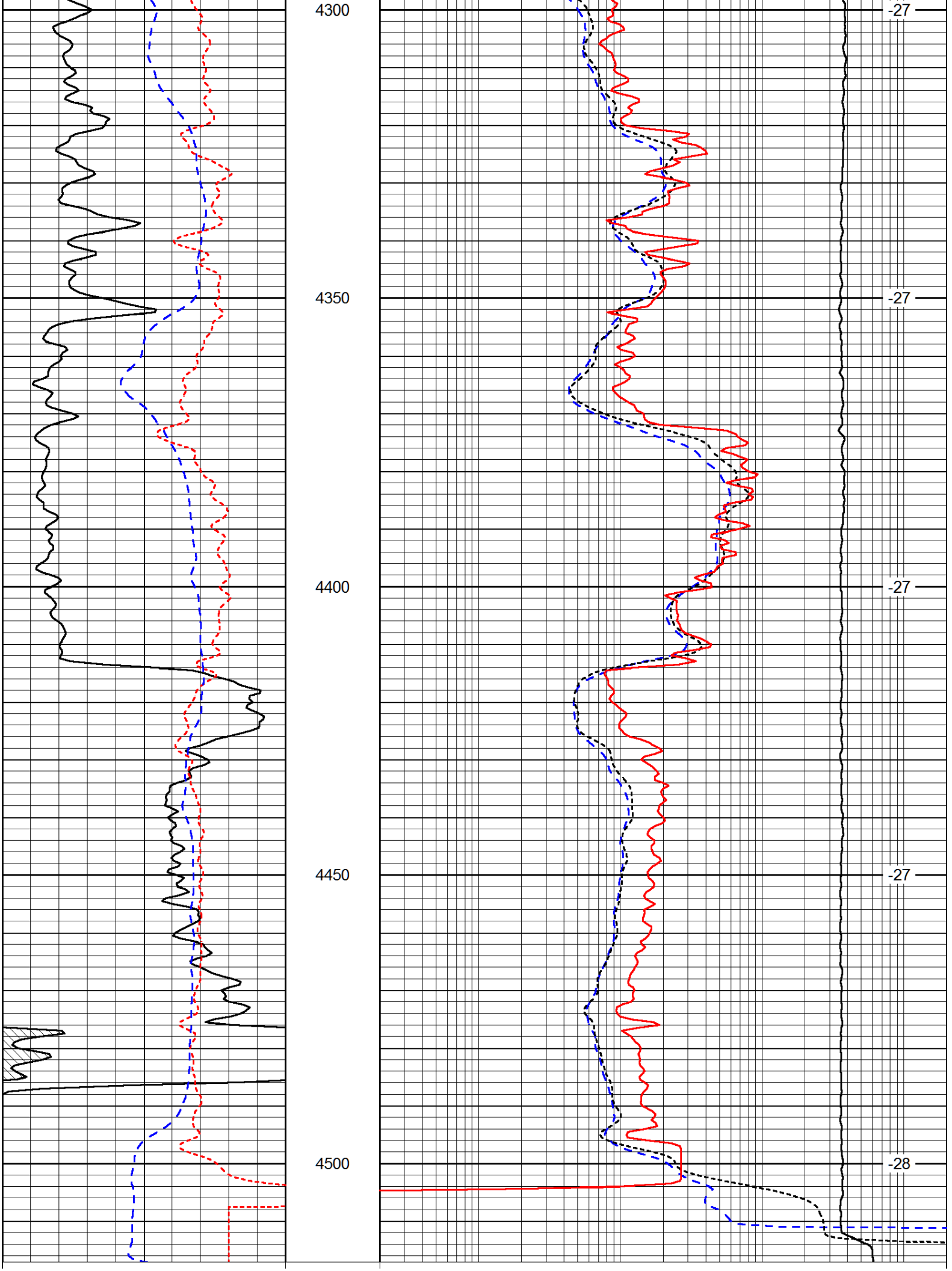

3200
3250
3300
3350
3400
-33
-34
-33
-33
-33


3450
3500
3550
3600
-33
-33
-32
-32


3650
3700
3750
3800
3850
-32
-32
-32
-32
-31


3900
3950
4000
4050
-32
-31
-31
-31


4100
4150
4200
4250
-31
-30
-28
-27


4300
4350
4400
4450
4500
-27
-27
-27
-27
-28

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

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)