PIONEER

Pioneer Energy Services

DUAL INDUCTION LOG

Company CONCORDE RESOURCES CORP.
Well MCDANIEL NO. 2-12
Field WILDCAT
County LOGAN State KANSAS

Location: API #: 15-109-21,440-00-00
2,016' FNL & 2,316' FEL
SEC 12 TWP 15S RGE 34W

Other Services: CNL/CDL

Permanent Datum GROUND LEVEL Elevation 2842'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2847'
D.F. N/A
G.L. 2842'

Date	12/12/2015			
Run Number	ONE			
Depth Driller	4505'			
Depth Logger	4505'			
Bottom Logged Interval	4504'			
Top Log Interval	300'			
Casing Driller	8.625" @ 302			
Casing Logger	302			
Bit Size	7.875"			
Type Fluid in Hole	CHEMICAL			
Salinity,ppm CL	4000			
Density / Viscosity	9.3 | 59			
pH / Fluid Loss	10.0 | 8.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	.26 @ 68			
Rmf @ Meas. Temp	.20 @ 68			
Rmc @ Meas. Temp	.35 @ 68			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.15 @ 121			
Operating Rig Time	4 HOURS			
Max Rec. Temp. F	121			
Equipment Number	108			
Location	Hays			
Recorded By	J. LONG			
Witnessed By	JOHN GOLDSMITH			

<<< Fold Here >>>

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

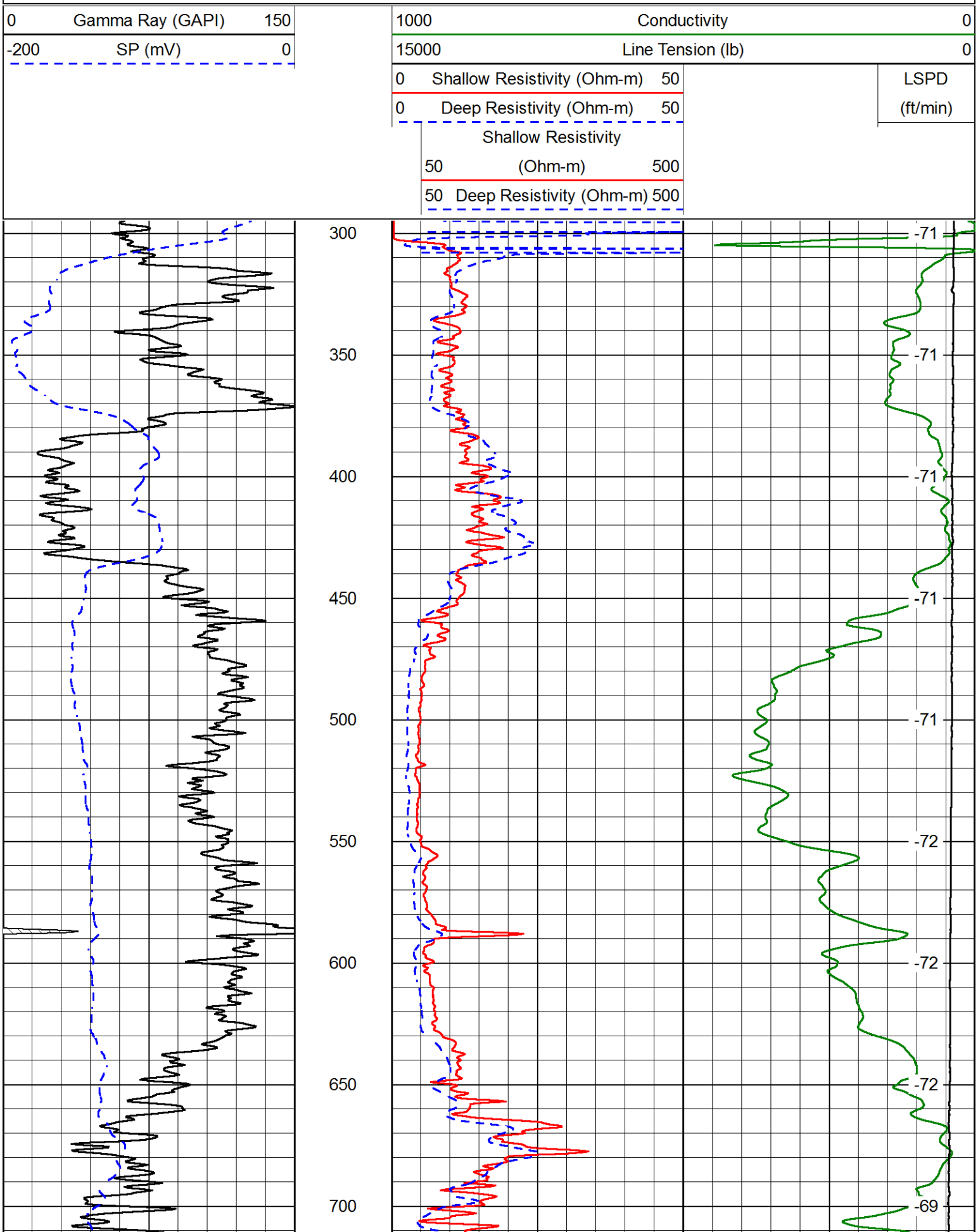
OAKLEY, SOUTH TO GOLD ROAD, 4 WEST, 2 SOUTH, 5 WEST, NORTHWEST INTO

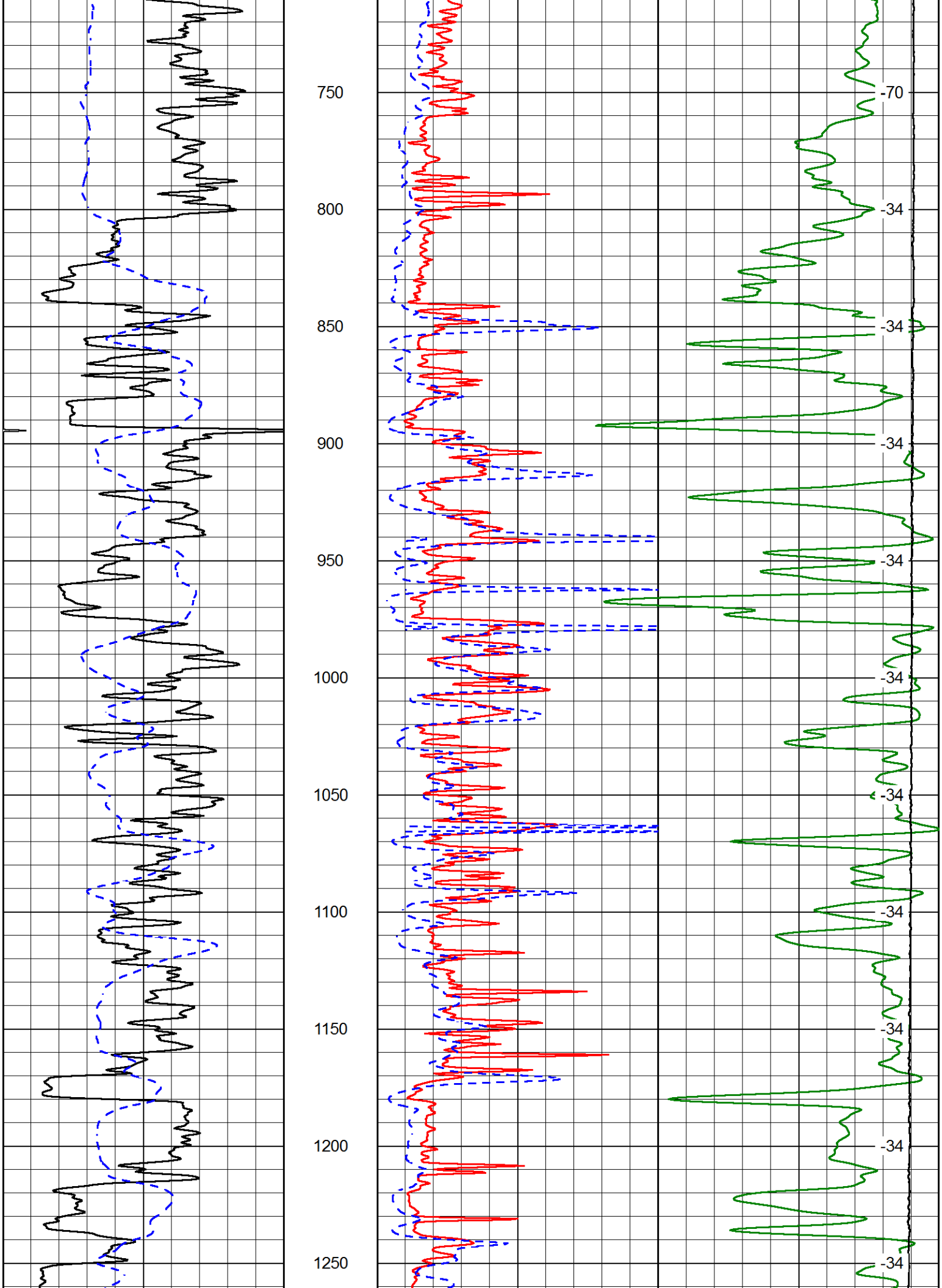
Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

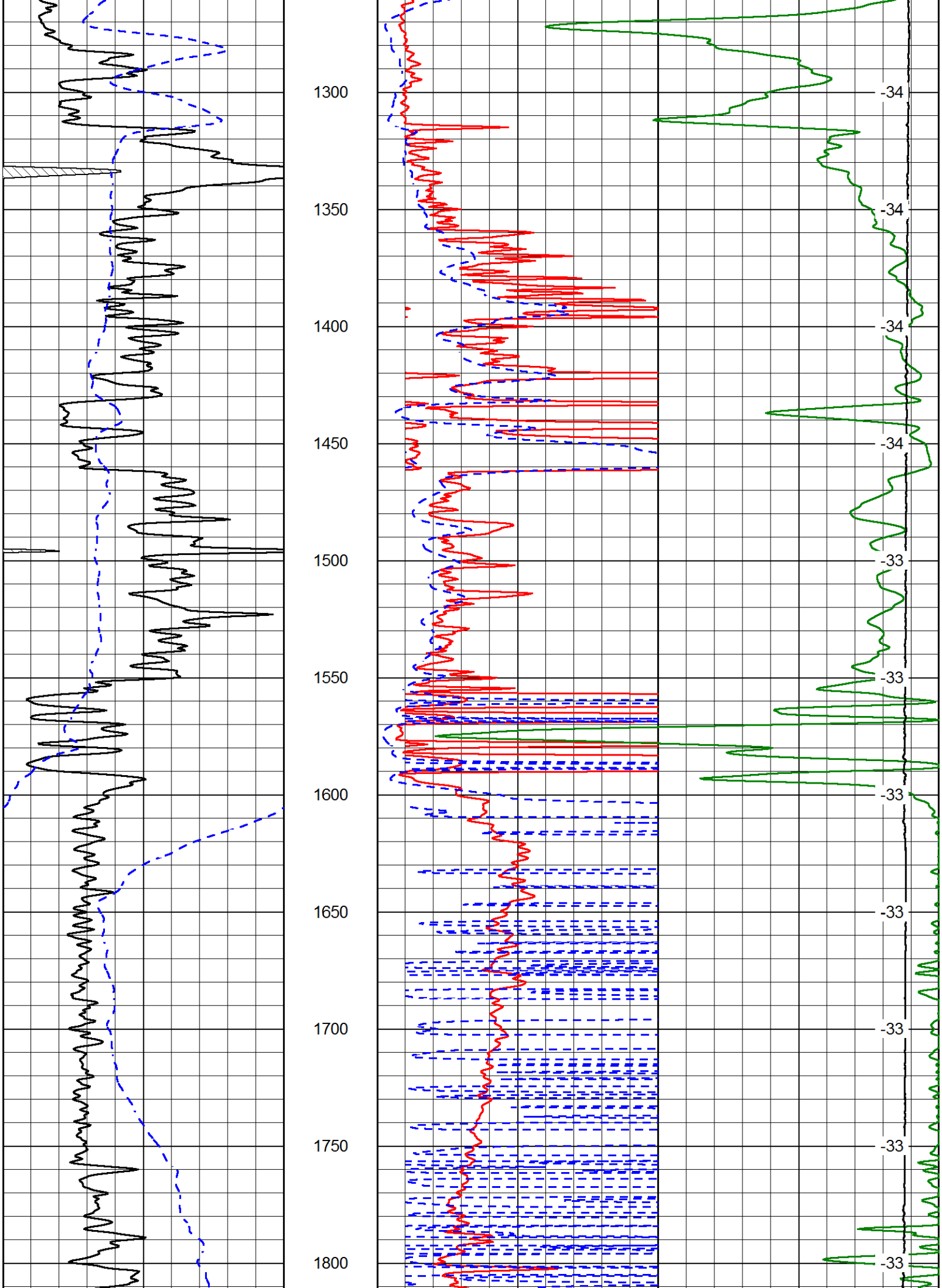
THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneeres.com 785-625-3858

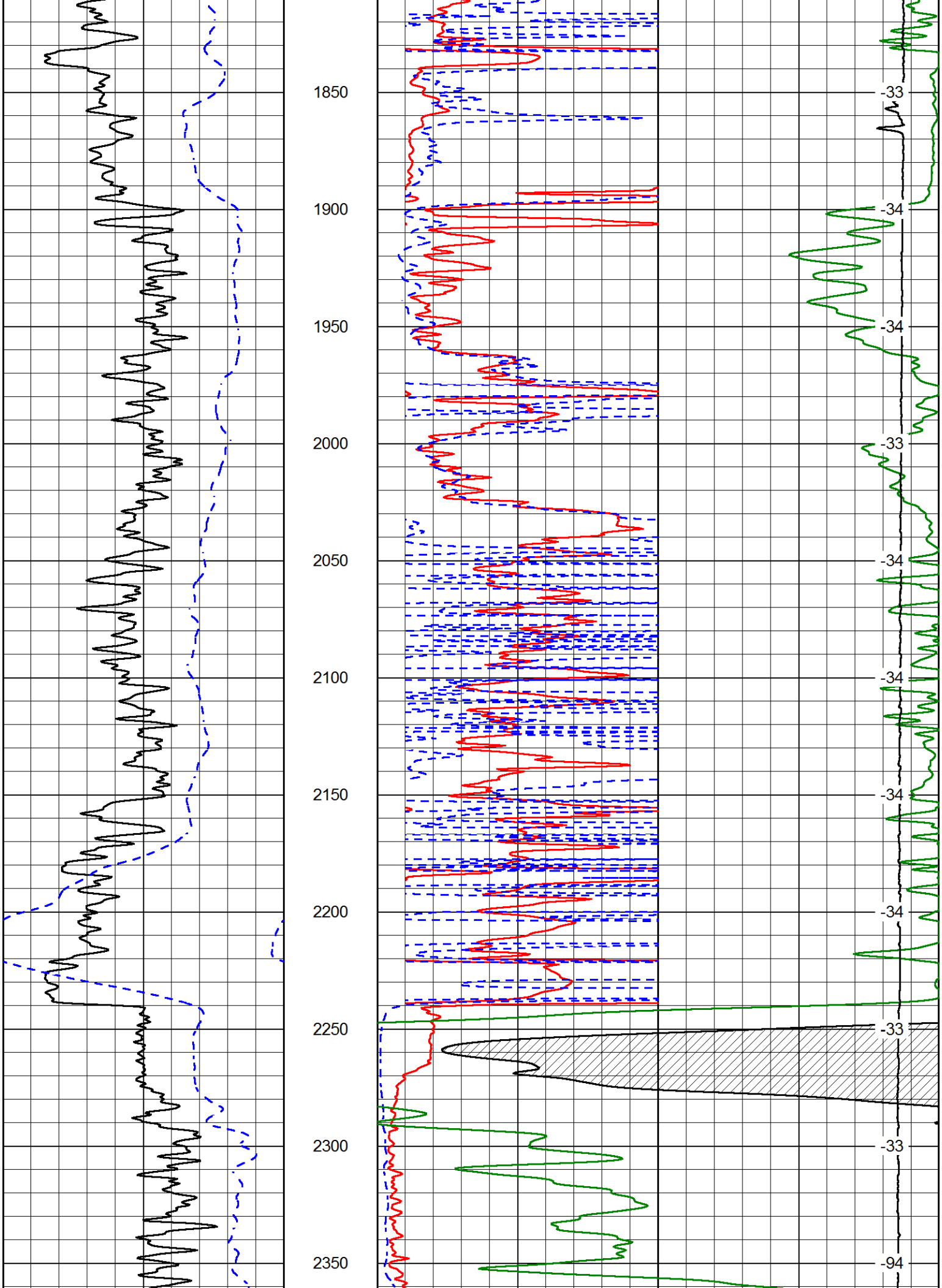
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: JOHN GOLDSMITH
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

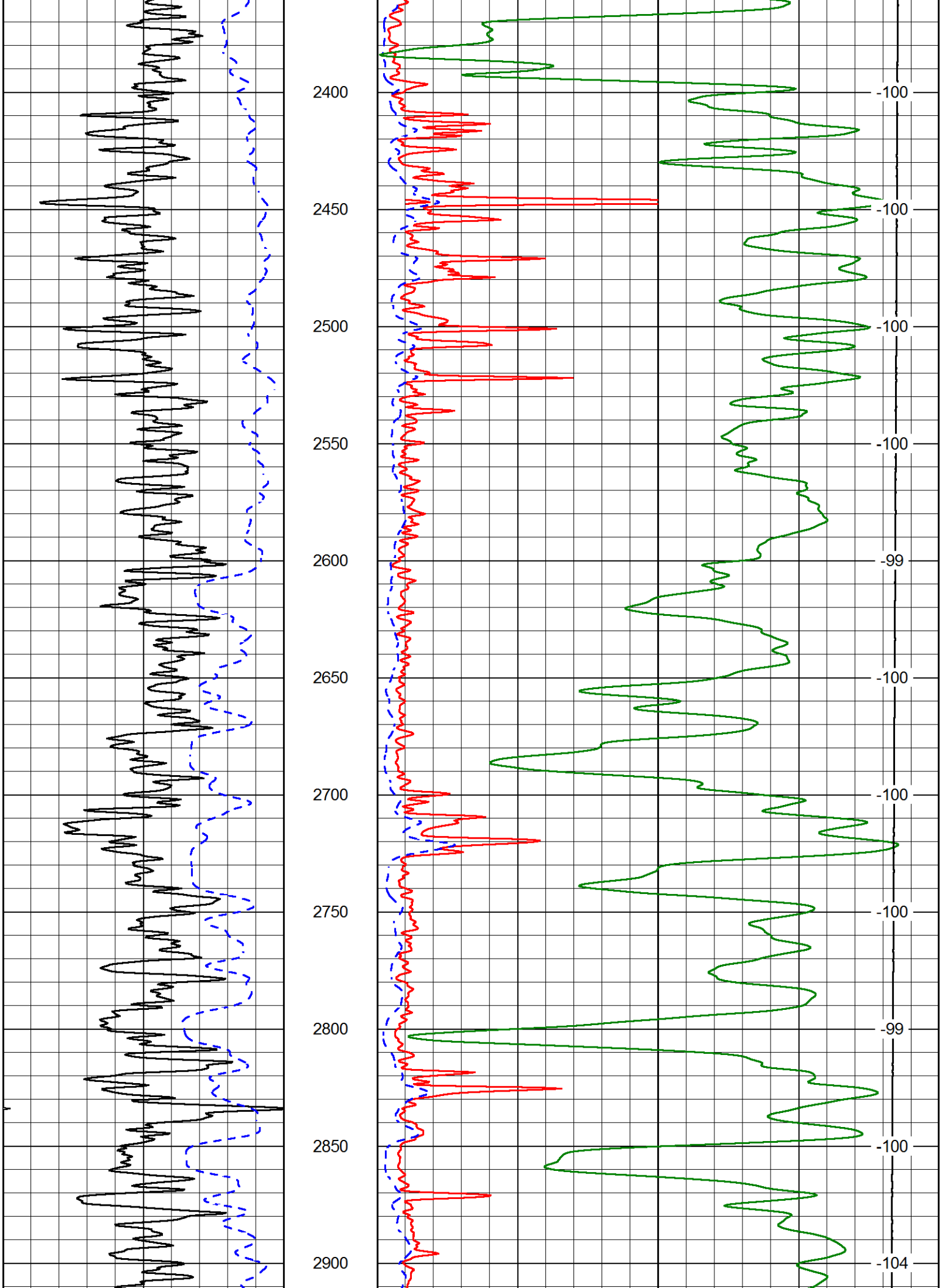
Database File	concorde_mcdaniel_2-12hd.db
Dataset Pathname	DIL/concstck3
Presentation Format	dil2in
Dataset Creation	Sat Dec 12 17:23:58 2015
Charted by	Depth in Feet scaled 1:600

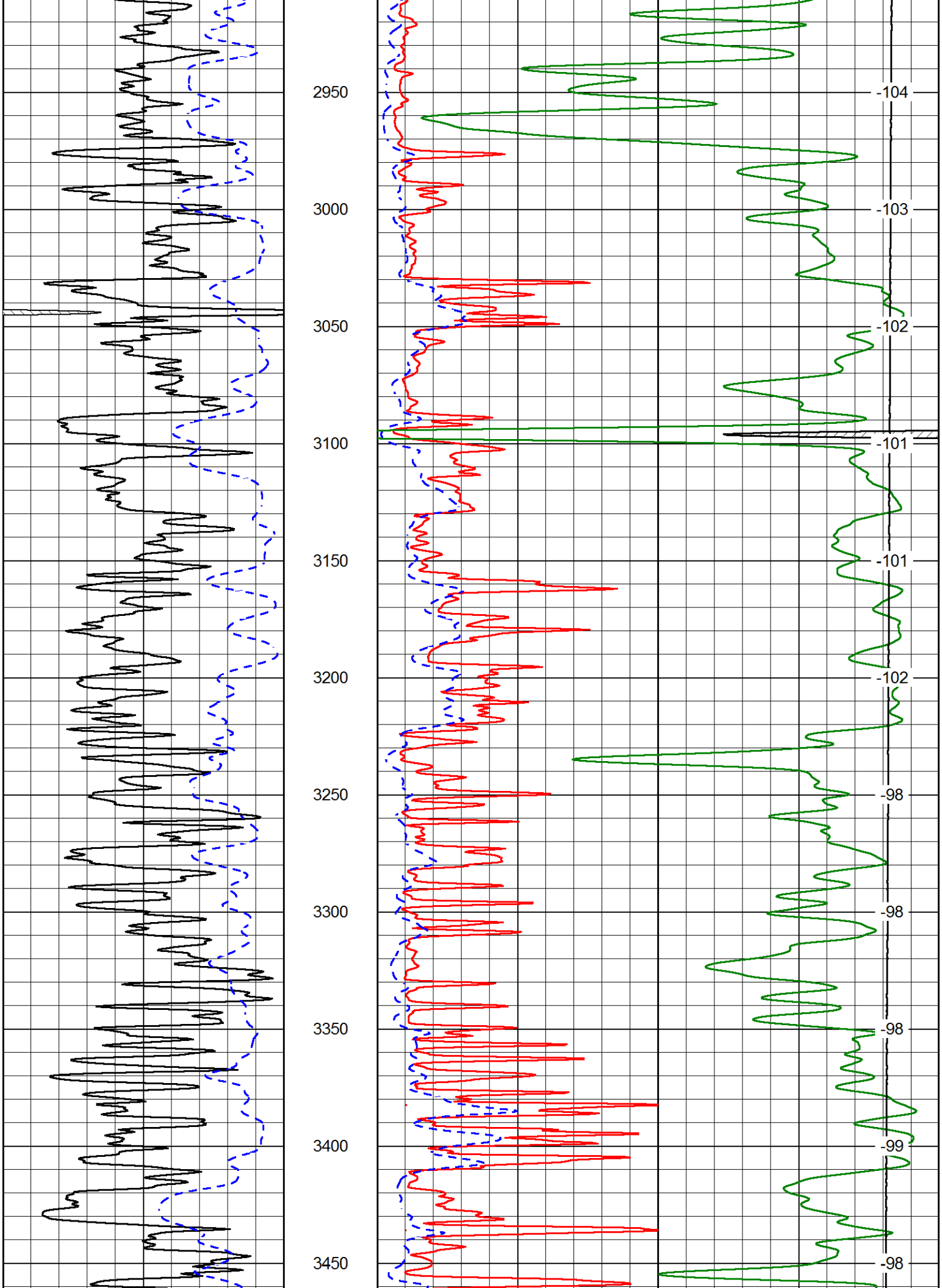


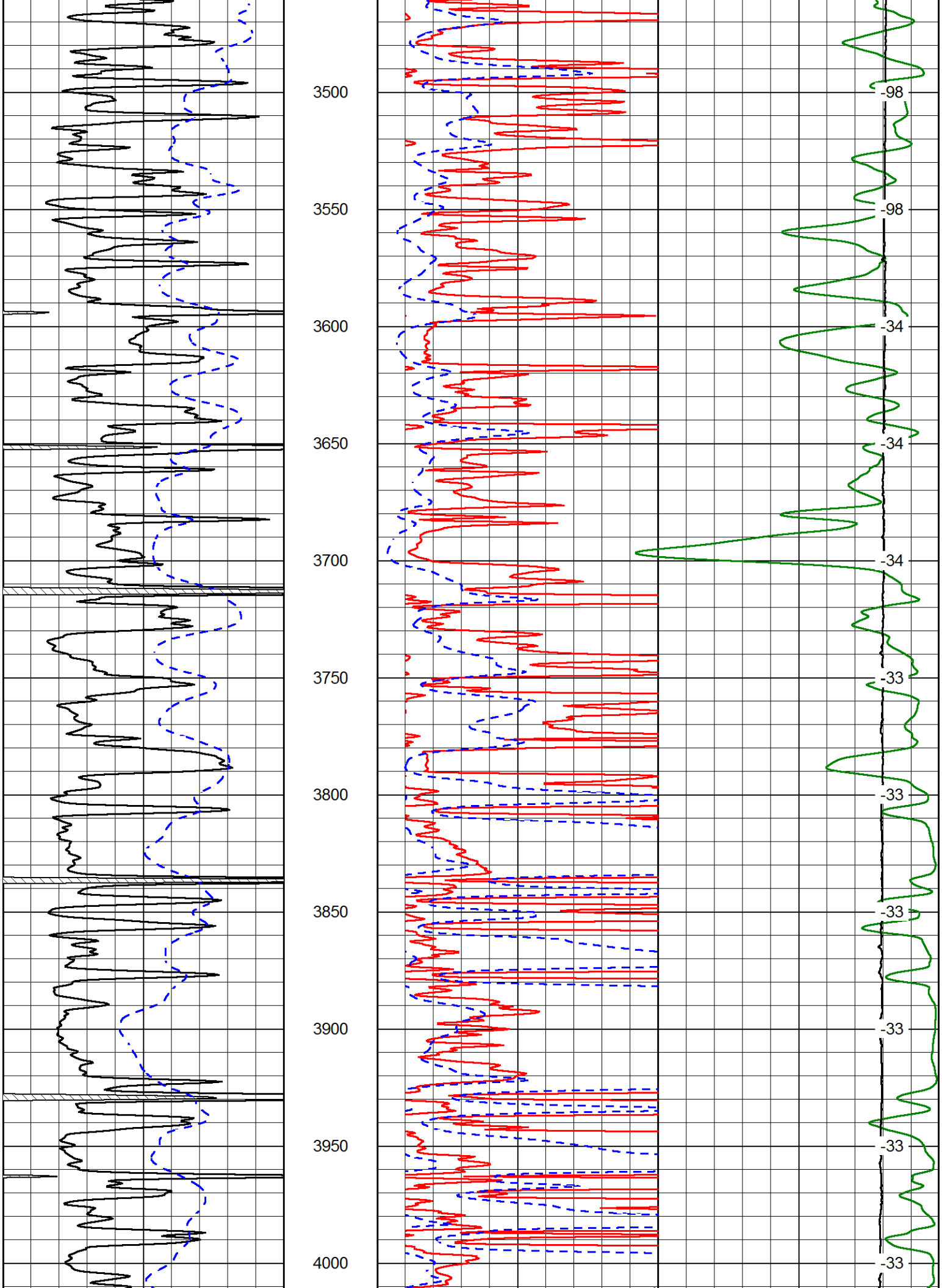

750
800
850
900
950
1000
1050
1100
1150
1200
1250
-70
-34
-34
-34
-34
-34
-34
-34
-34
-34

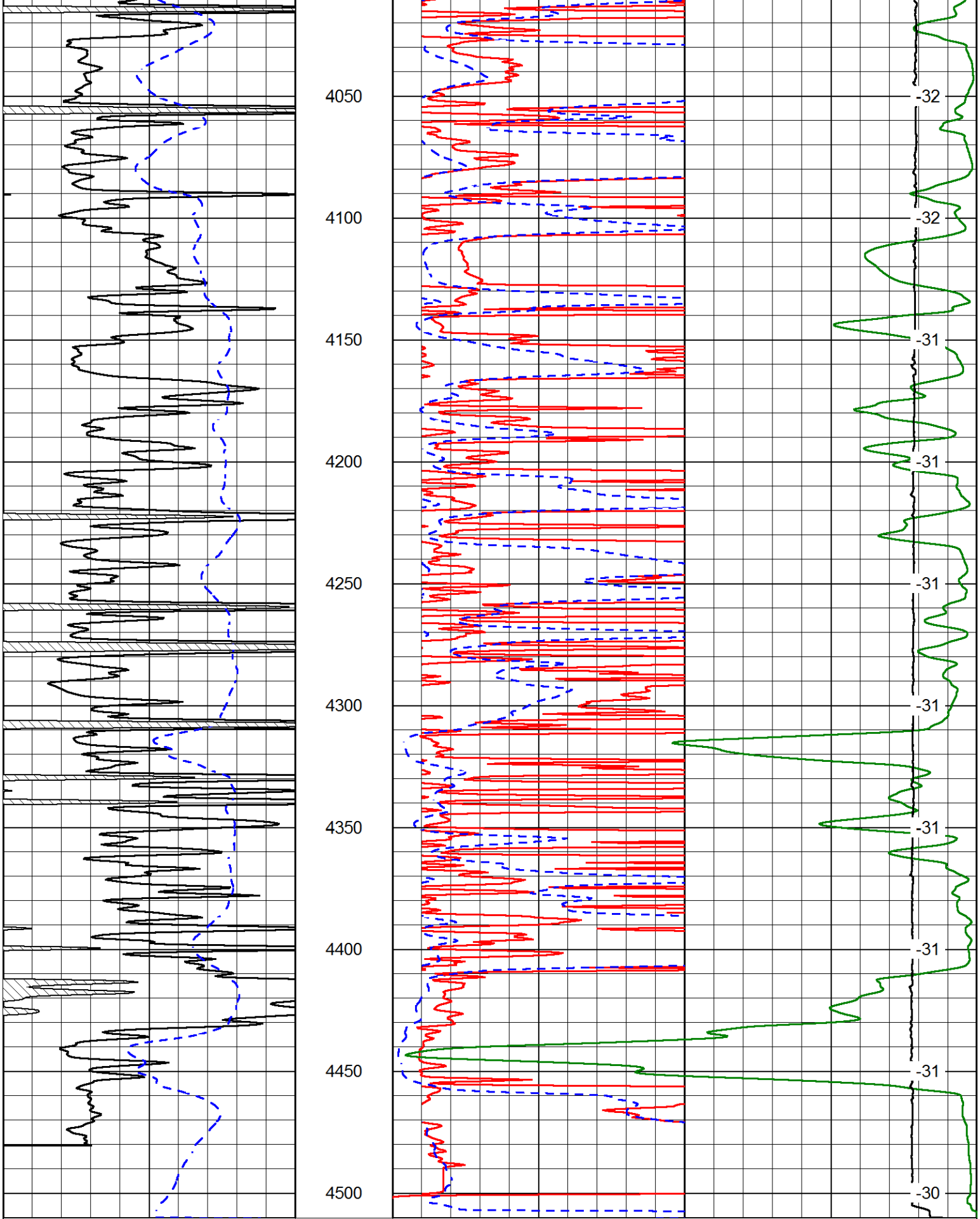

1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800
-34
-34
-34
-33
-33
-33
-33
-33
-33


1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
-33
-34
-34
-33
-34
-34
-34
-34
-33
-33
-94


2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
-100
-100
-100
-100
-99
-100
-100
-99
-100
-104


2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
-104
-103
-102
-101
-101
-102
-98
-98
-98
-99
-98


3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
-98
-98
-34
-34
-34
-33
-33
-33
-33
-33


4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
-32
-32
-31
-31
-31
-31
-31
-31
-31
-30
0 Gamma Ray (GAPI) 150
-200 SP (mV) 0
1000 Conductivity 0
15000 Line Tension (lb) 0
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
LSPD
(ft/min)

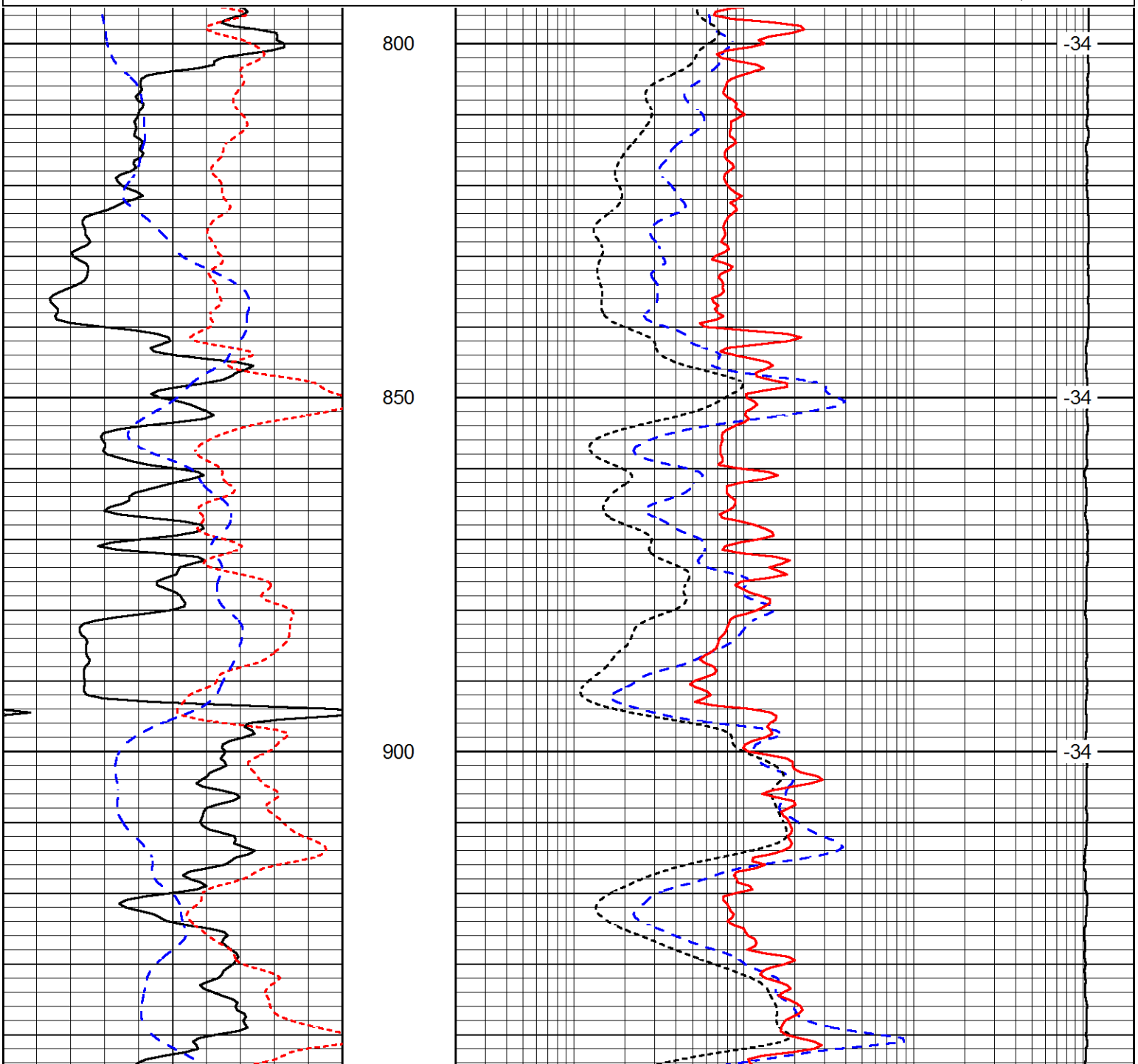
	Shallow Resistivity	
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

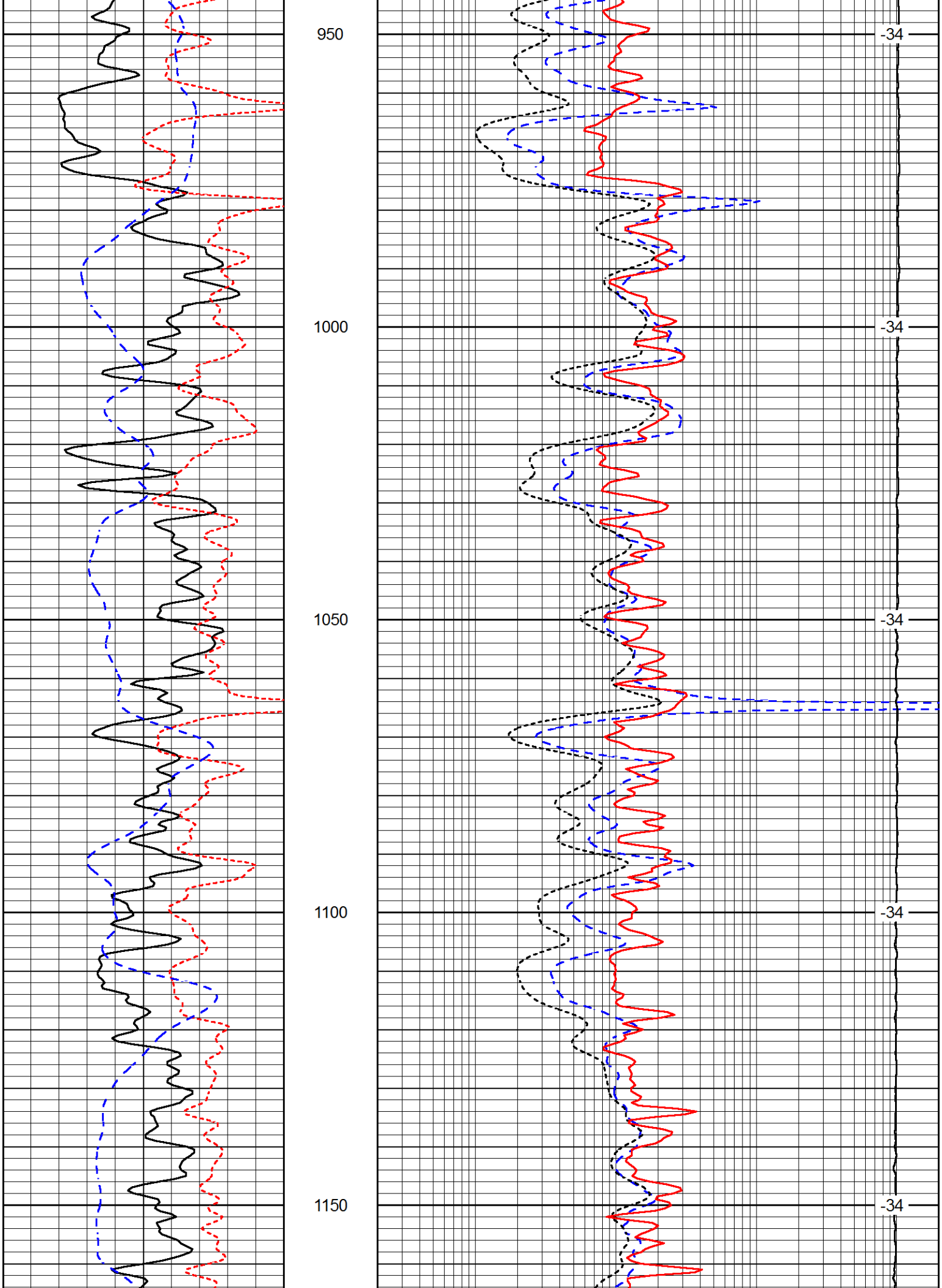
Database File	concorde_mcdaniel_2-12hd.db
Dataset Pathname	DIL/concstck3
Presentation Format	dil
Dataset Creation	Sat Dec 12 17:23:58 2015
Charted by	Depth in Feet scaled 1:240

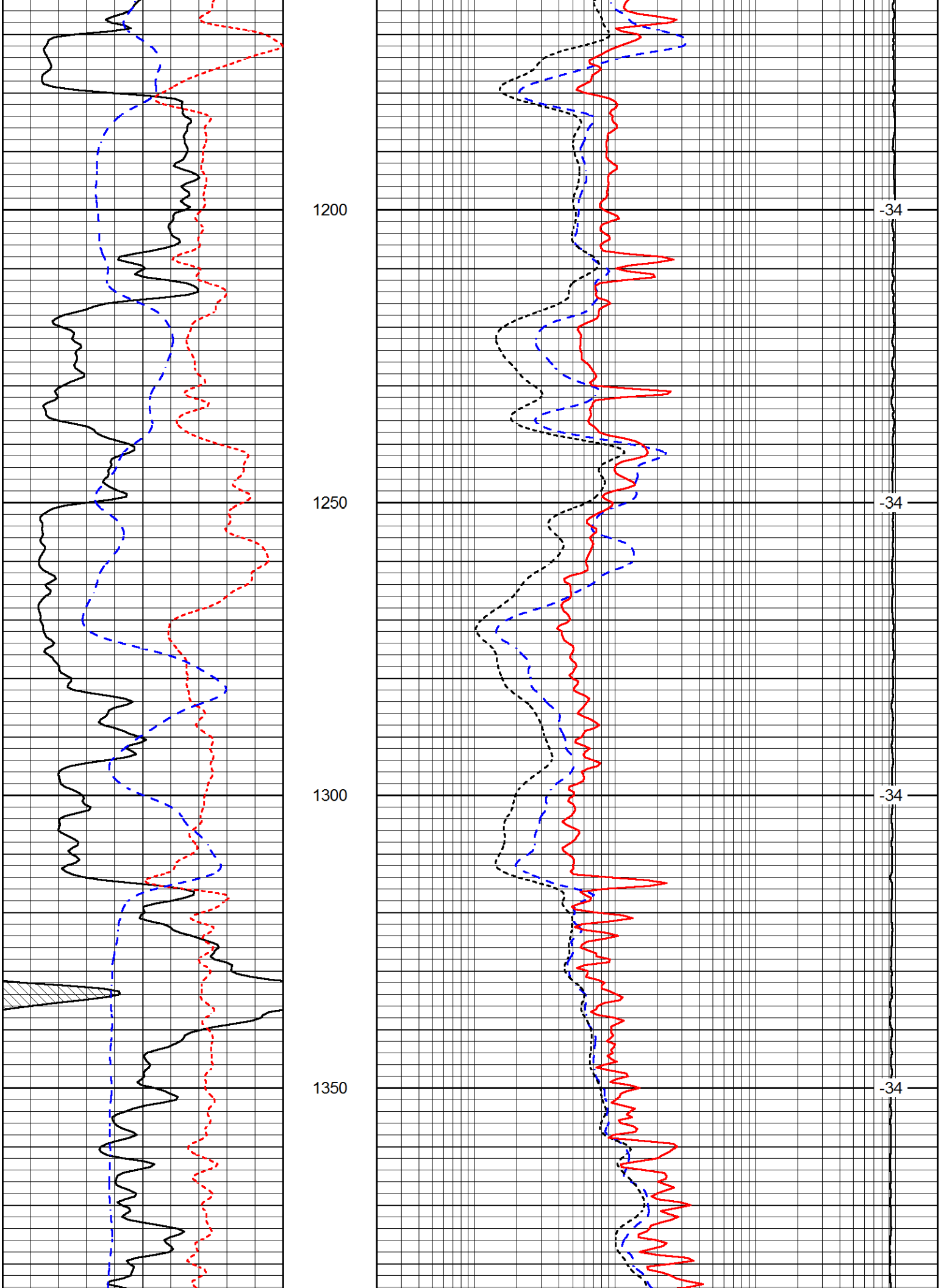
0	Gamma Ray (GAPI)	150
-160	RxoRt	40
-200	SP (mV)	0

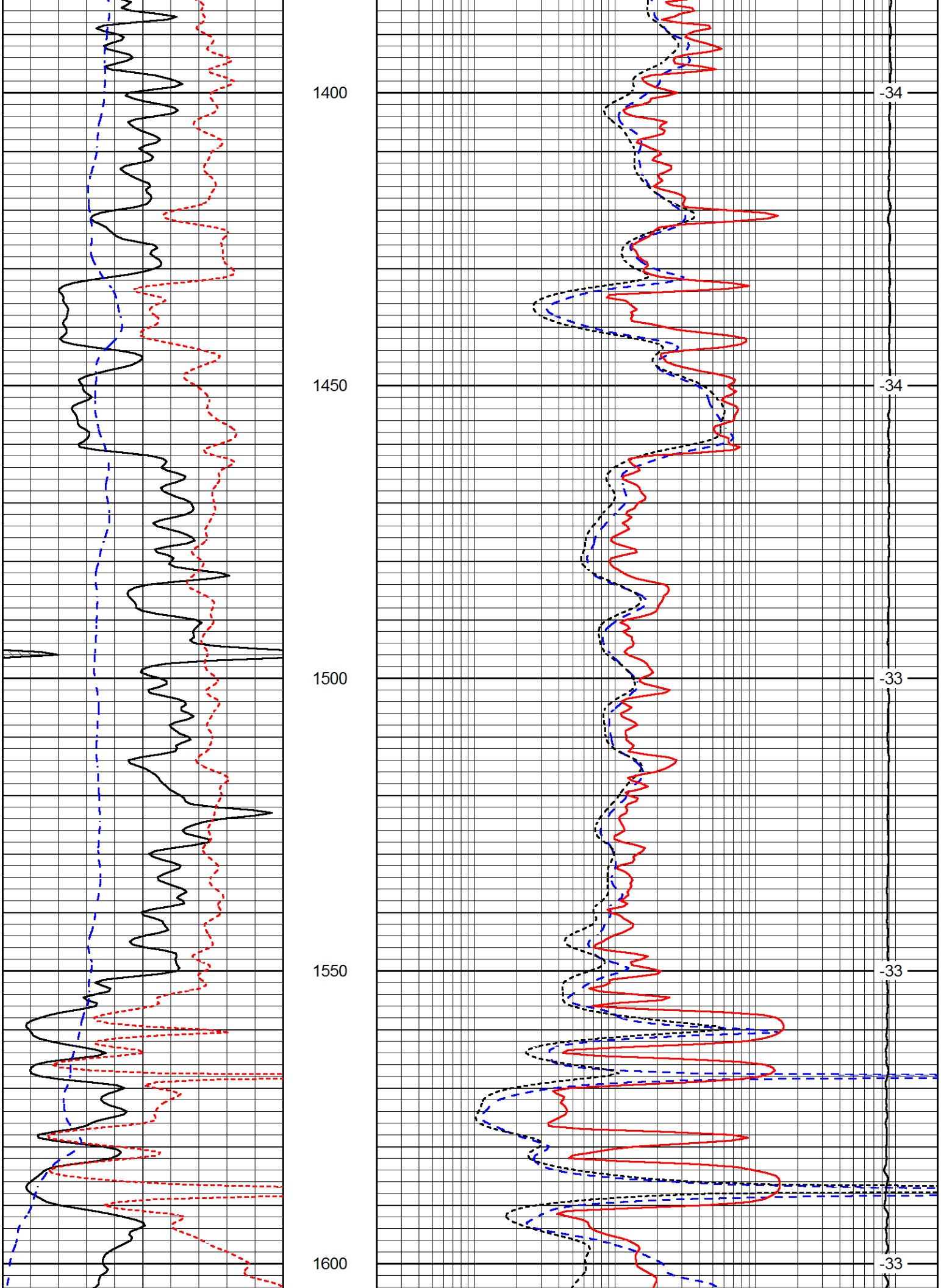
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

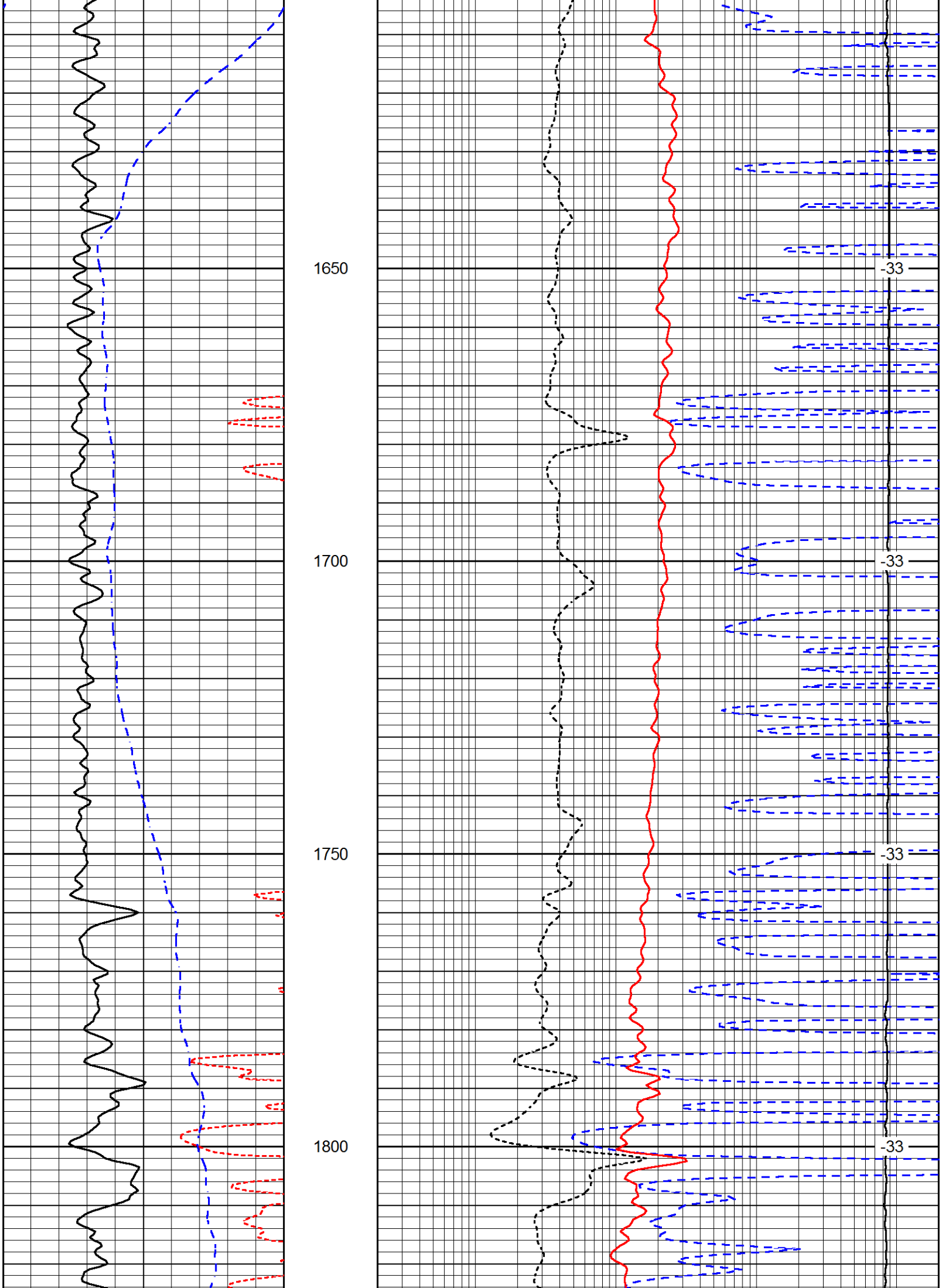
LSPD (ft/min)

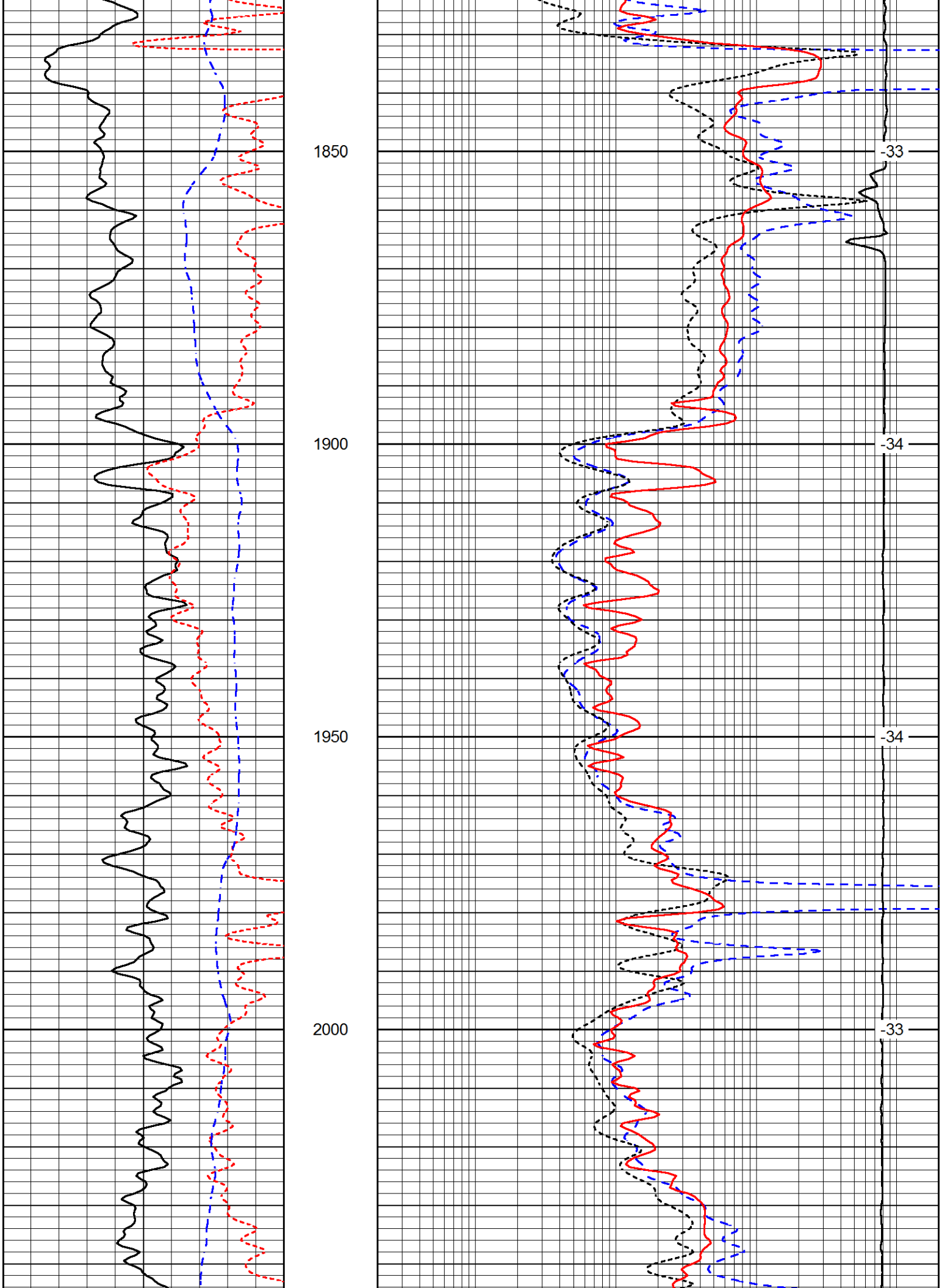


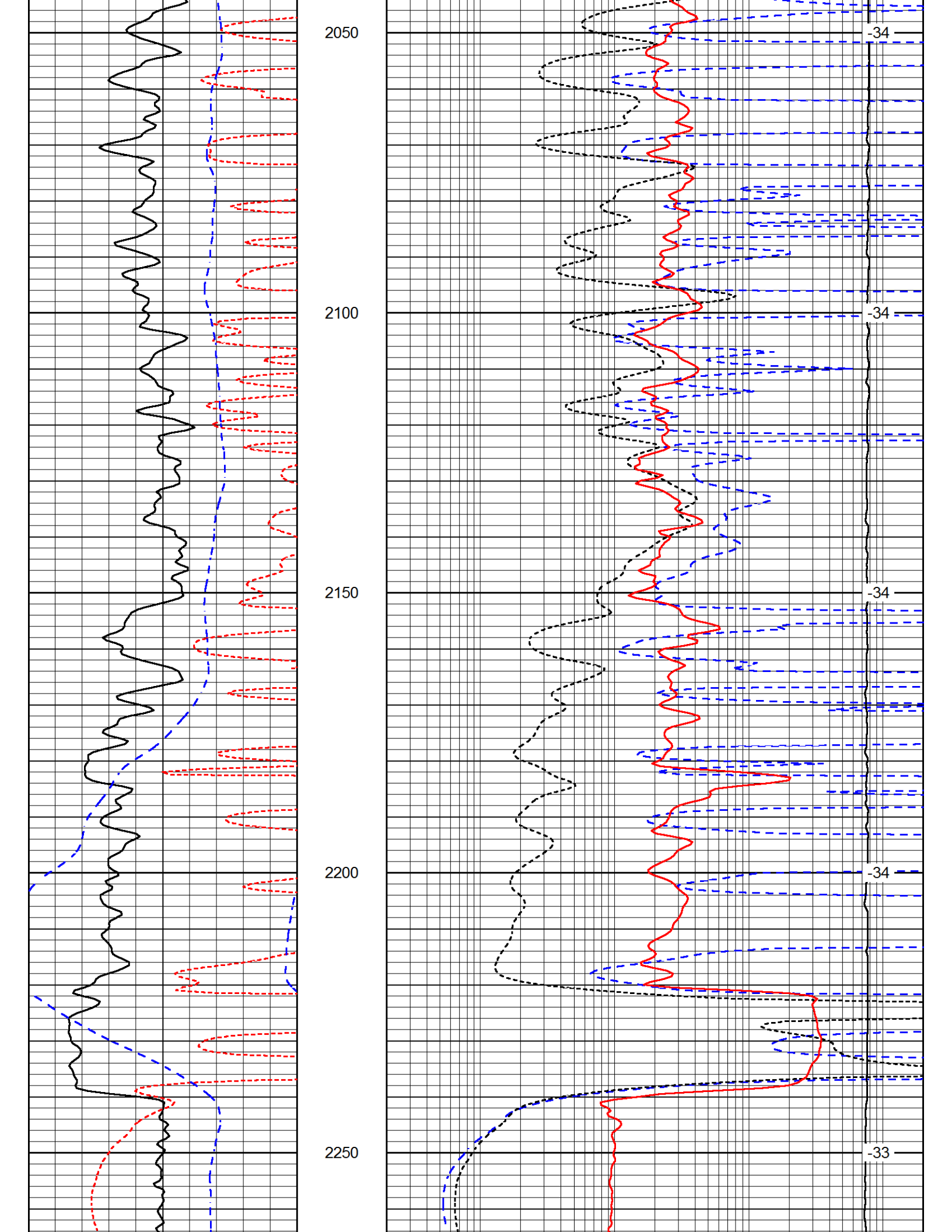

950
1000
1050
1100
1150
-34
-34
-34
-34

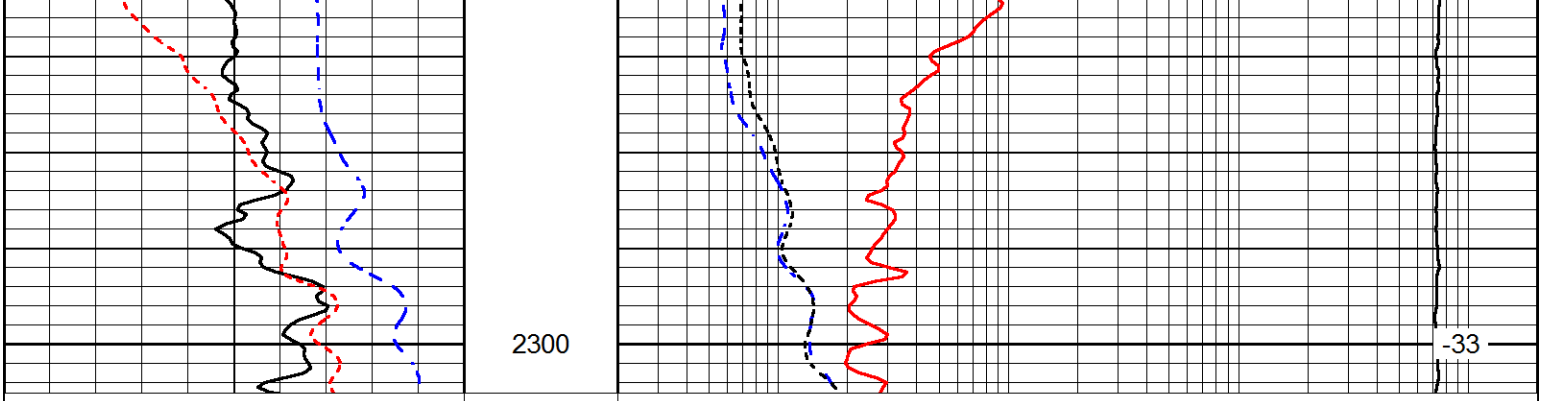

1200
1250
1300
1350
-34
-34
-34


1400
1450
1500
1550
1600
-34
-34
-33
-33
-33

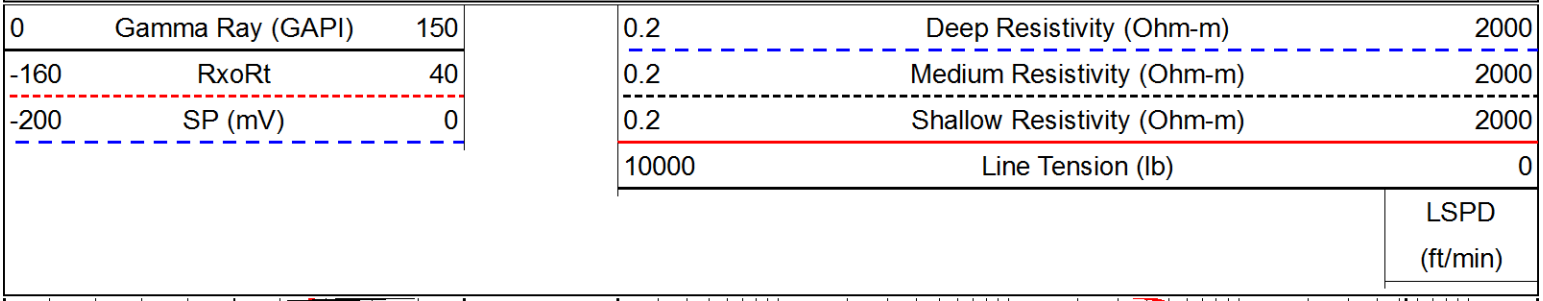

1650
1700
1750
1800
-33
-33
-33
-33

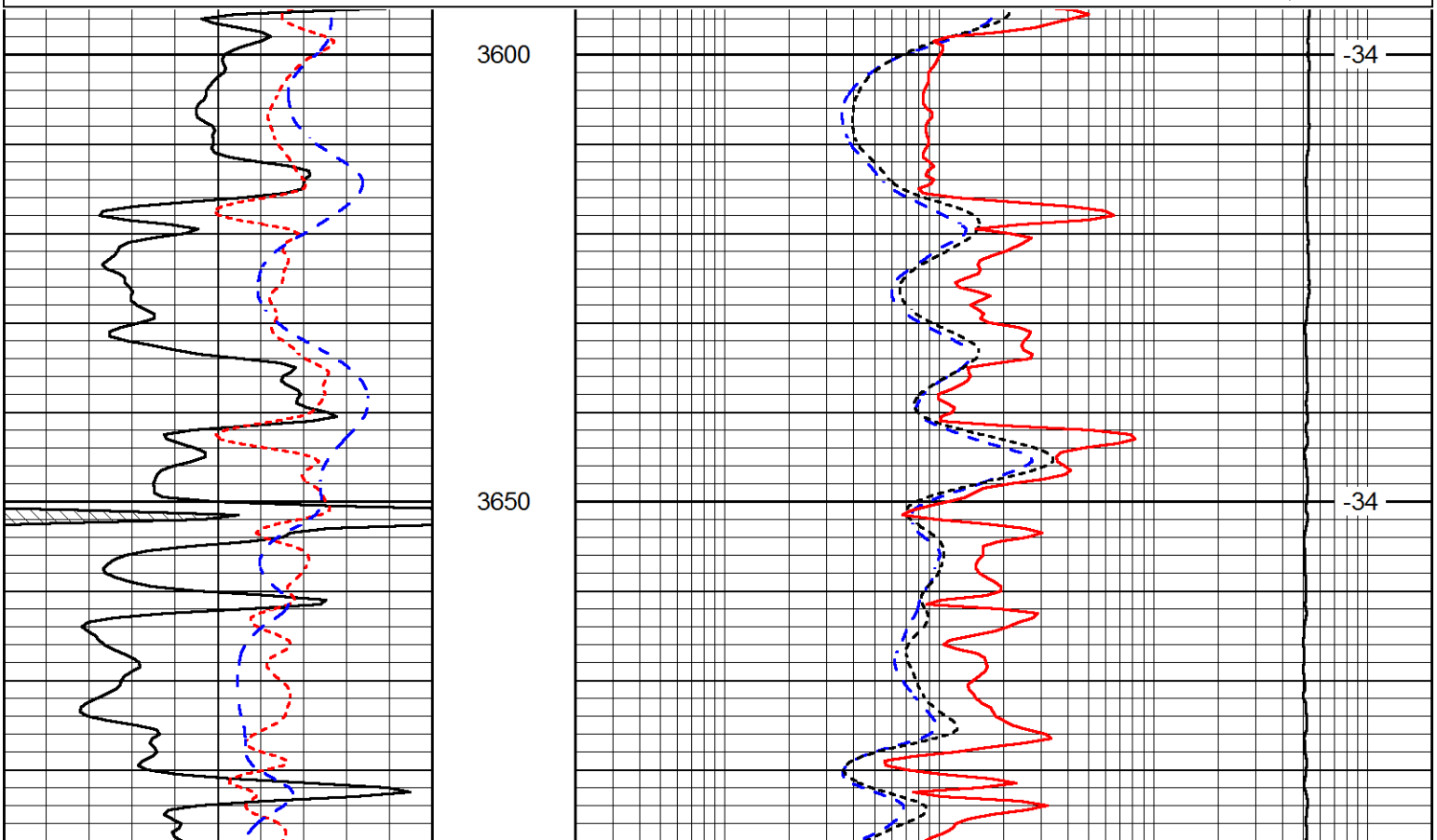

1850
1900
1950
2000
-33
-34
-34
-33

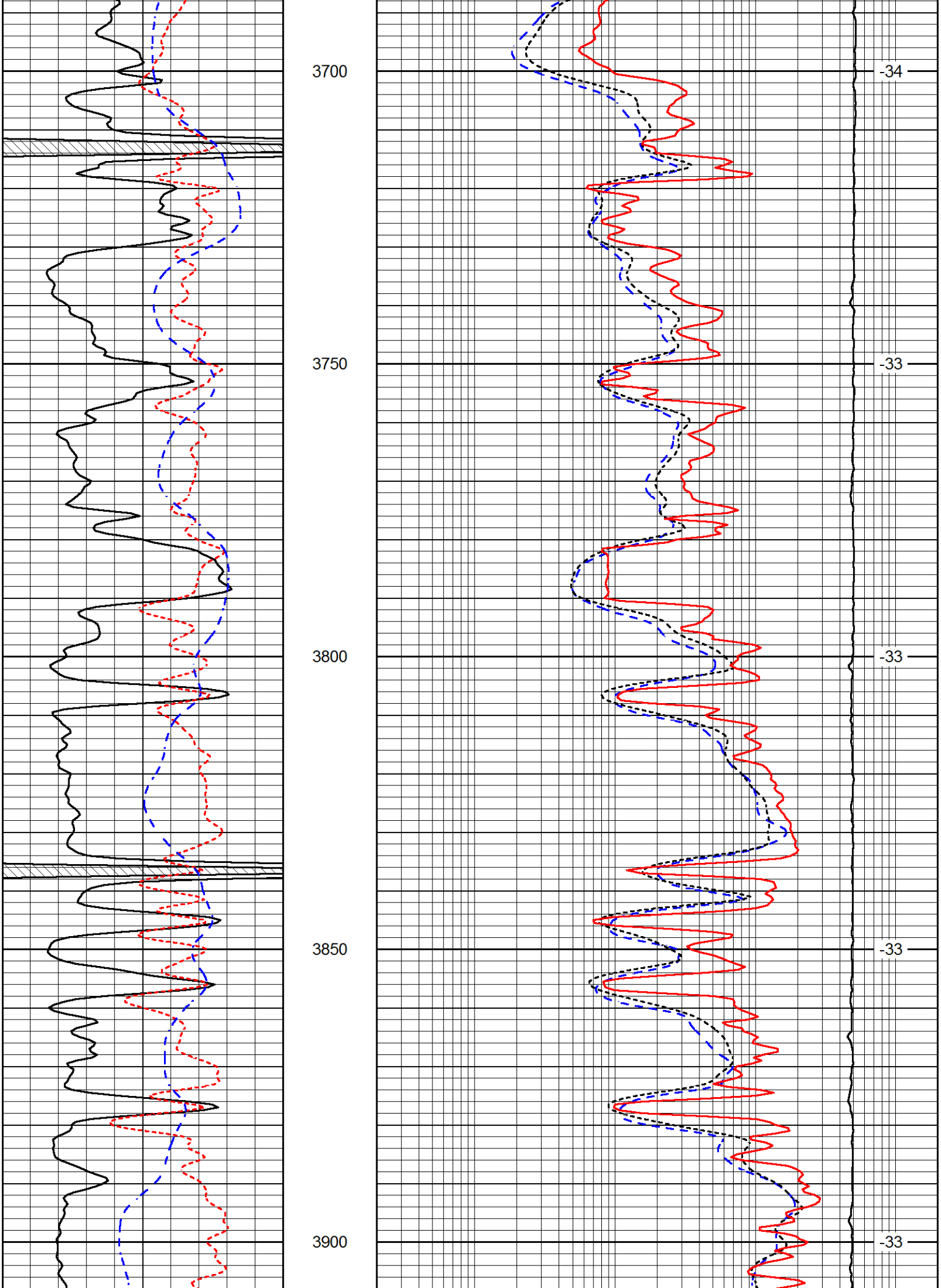

2050
2100
2150
2200
2250
-34
-34
-34
-34
-33

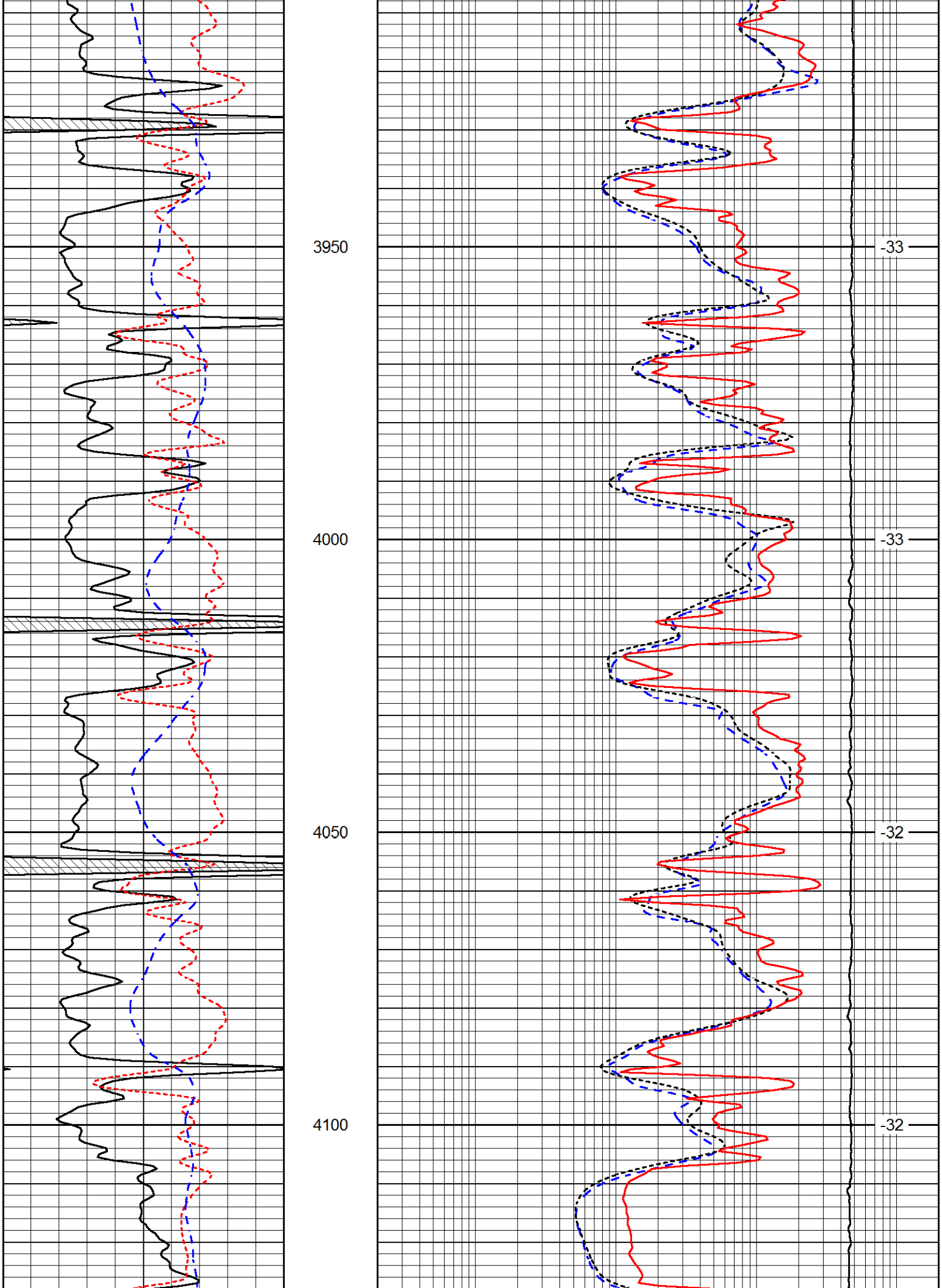


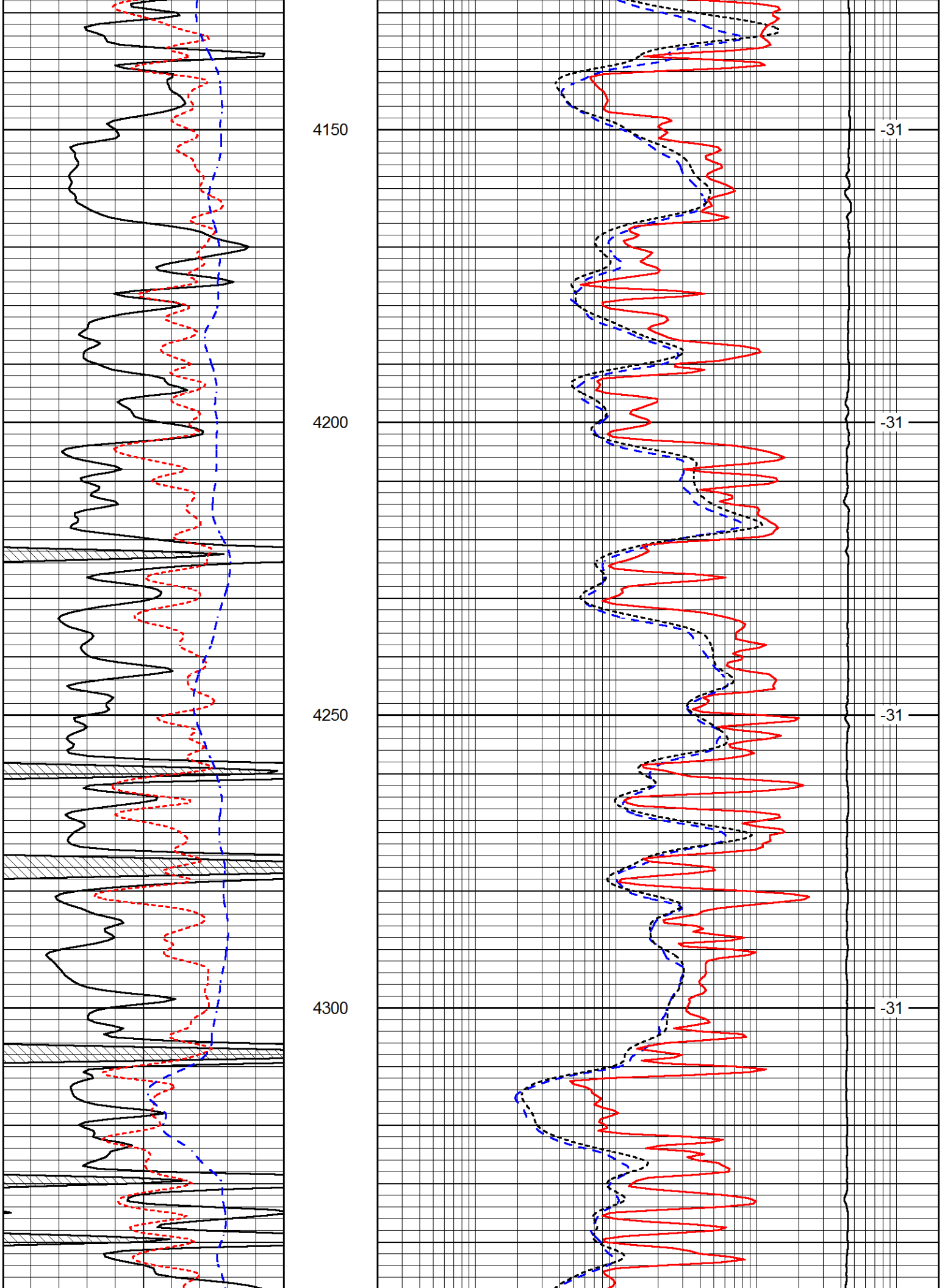
Database File	concorde_mcdaniel_2-12hd.db
Dataset Pathname	DIL/concstck3
Presentation Format	dil
Dataset Creation	Sat Dec 12 17:23:58 2015
Charted by	Depth in Feet scaled 1:240

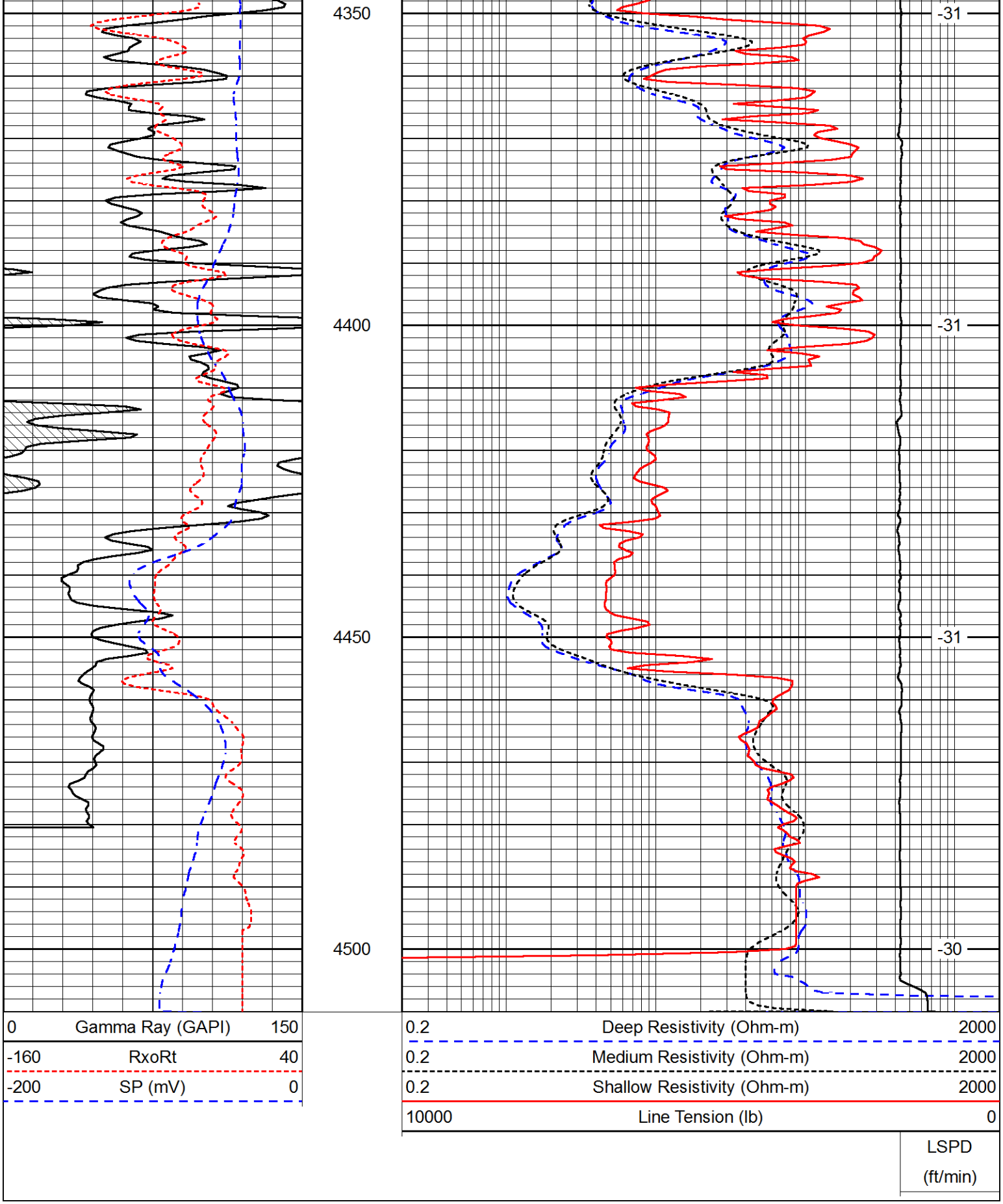





3700
3750
3800
3850
3900
-34
-33
-33
-33
-33


3950
4000
4050
4100
-33
-33
-32
-32


4150
4200
4250
4300
-31
-31
-31
-31


4350
4400
4450
4500
-31
-31
-31
-30
0
Gamma Ray (GAPI)
150
-160
RxoRt
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)