



Pioneer Energy Services

Dual Induction Log

API No.

15-009-26,032-00-00

Company Mar-Lou Oil Company, LLC

Well Jenisch No. 5

Field Beaver South

County Barton State

Kansas

Location

SW-SE-SE/4
330' FSL & 825' FEL

Sec: 34

Twp: 16S

Rge: 12W

Elevation

Permanent Datum Ground Level Elevation 1891
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1898
D.F.
G.L. 1891

Date

10/8/14

Run Number

One

Depth Driller

3430

Depth Logger

3427

Bottom Logged Interval

3426

Top Log Interval

400

Casing Driller

8.625 @ 430

Casing Logger

425

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

4.000

Density / Viscosity

9.4

52

pH / Fluid Loss

9.5

8.8

Source of Sample

Flowline

Rm @ Meas. Temp

.57 @ 59

Rmf @ Meas. Temp

.43 @ 59

Rmc @ Meas. Temp

.77 @ 59

Source of Rmf / Rmc

Charts

Rm @ BHT

.30 @ 110

Operating Rig Time

2 Hours

Max Rec. Temp. F

110

Equipment Number

10

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Roger Fisher

<<< 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

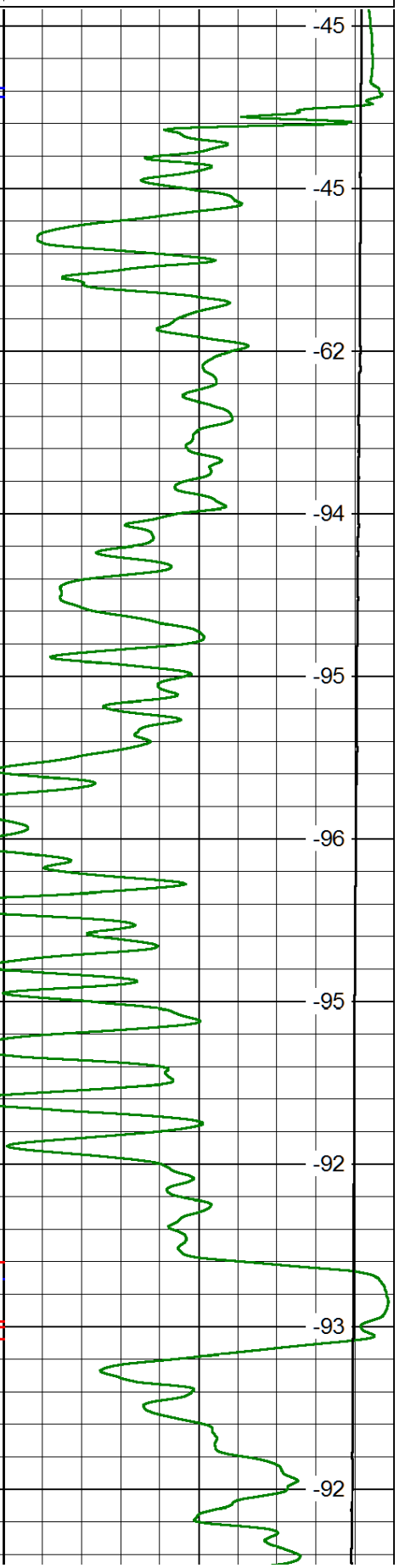
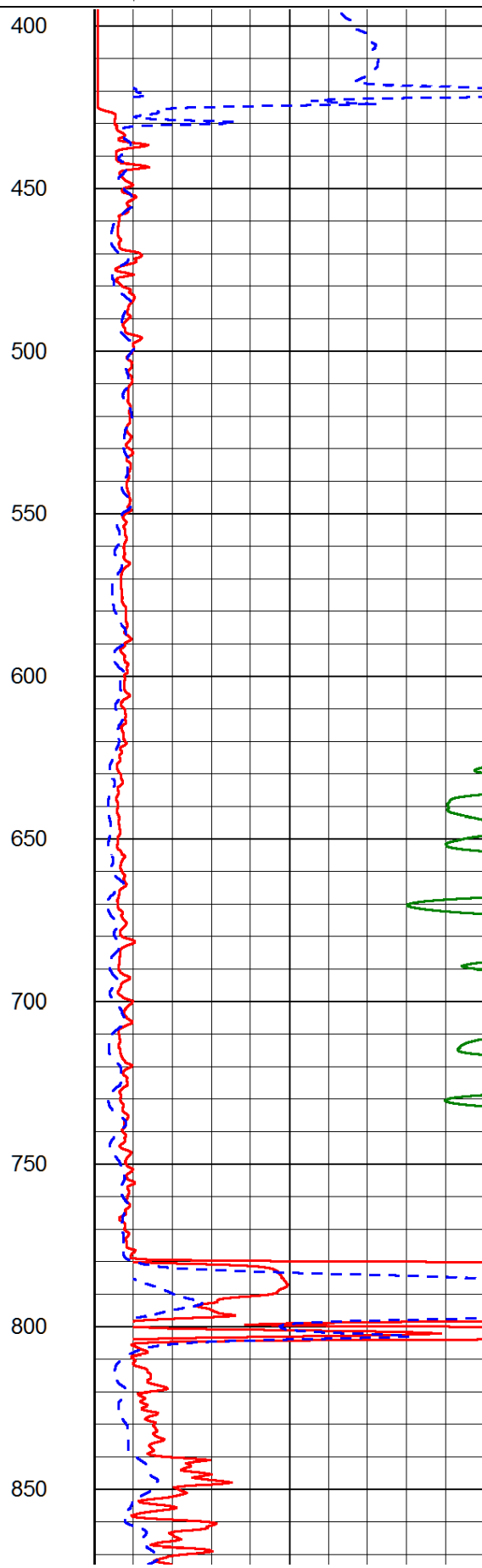
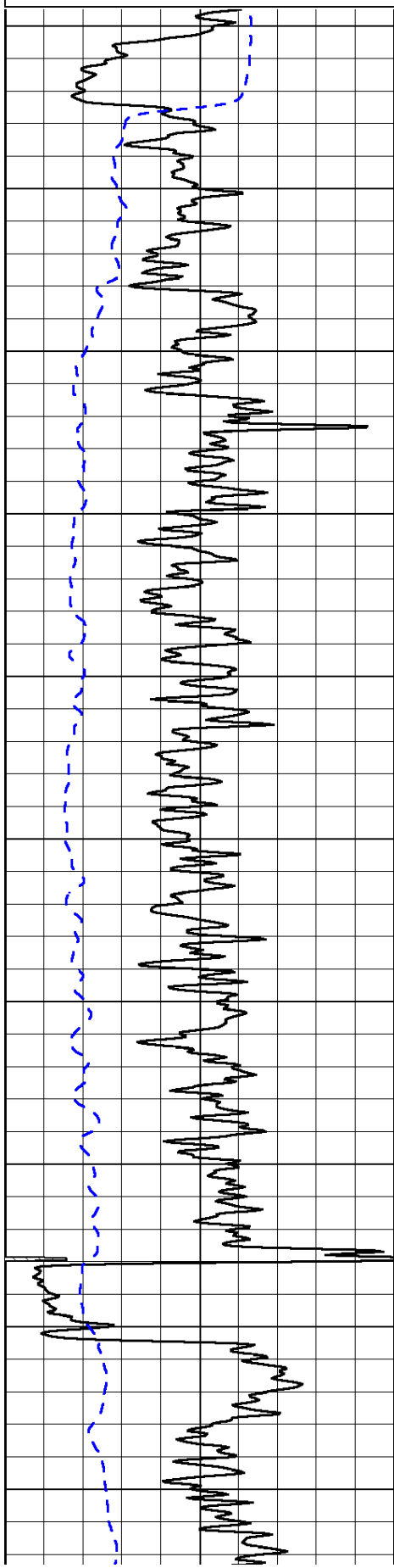
Beaver Kansas
2 East, 2 South, 1/2 West, North Into

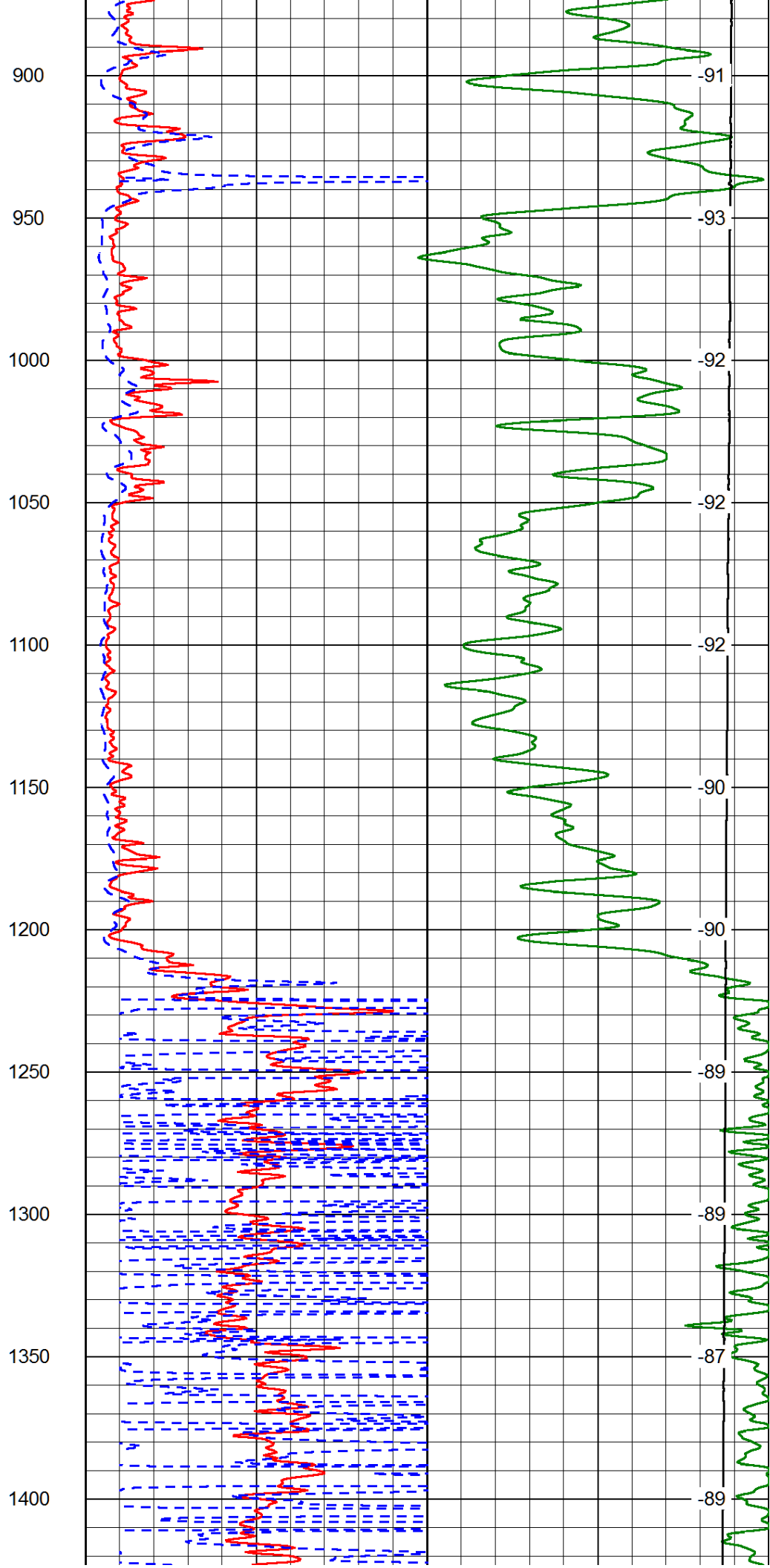
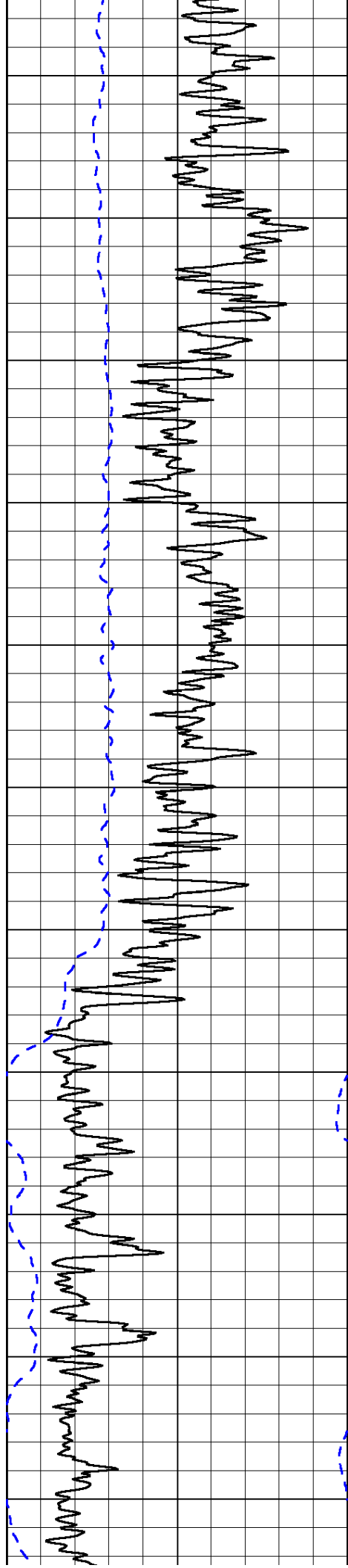
Database File: marlou_jenisch_5hd.db
Dataset Pathname: DIL/marall
Presentation Format: dil2in
Dataset Creation: Wed Oct 08 08:35:22 2014
Charted by: Depth in Feet scaled 1:600

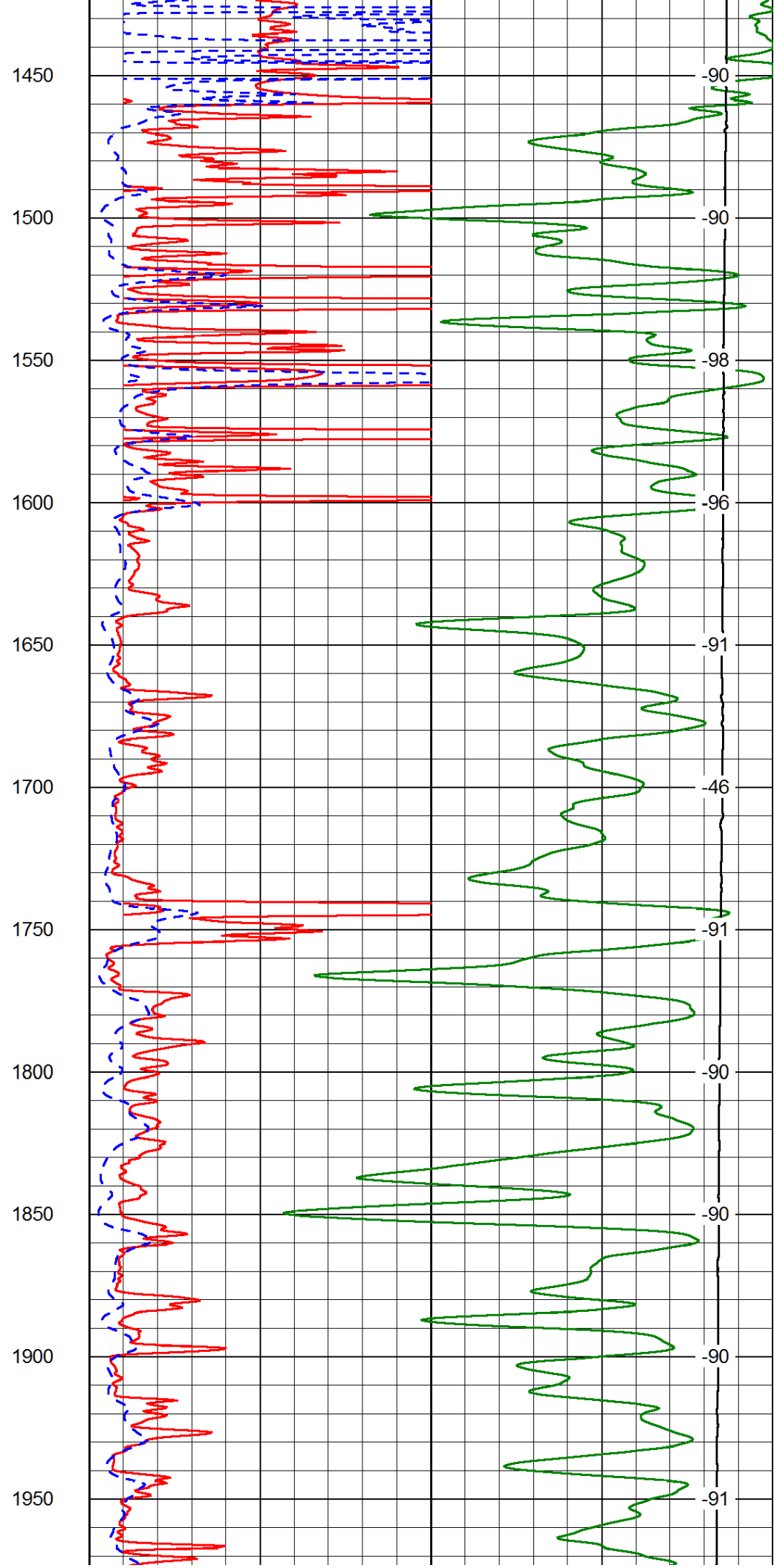
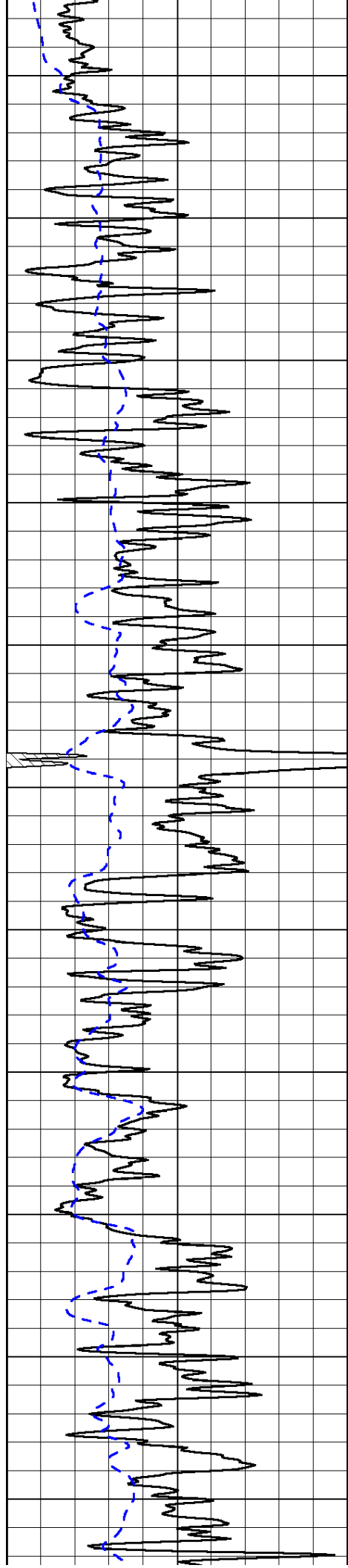
0	Gamma Ray	150
-200	SP (mV)	0

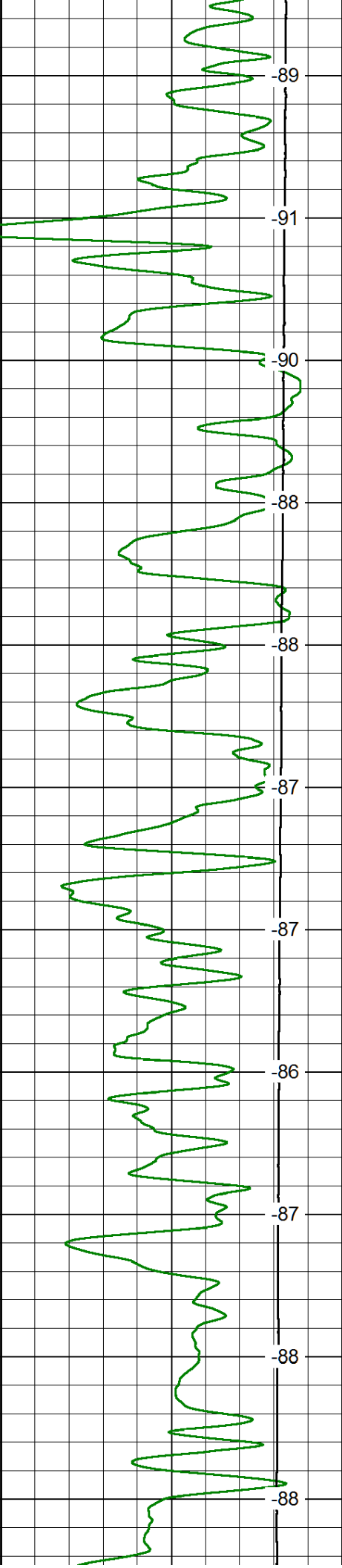
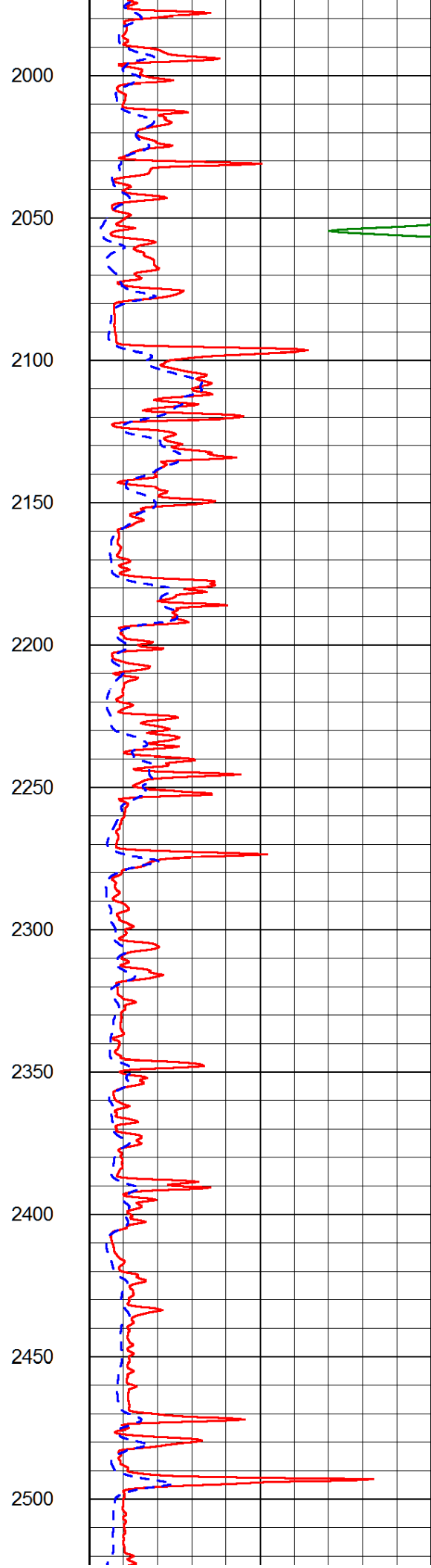
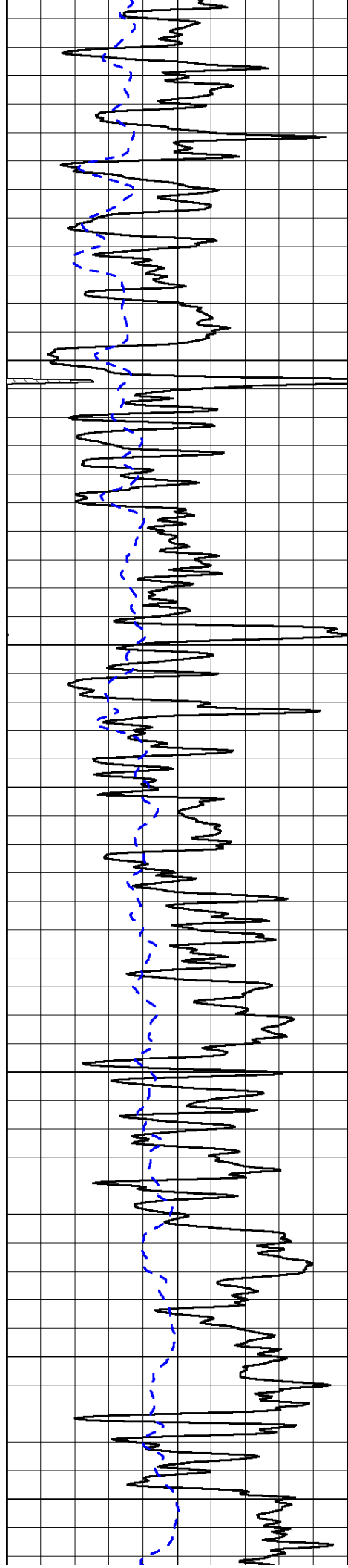
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

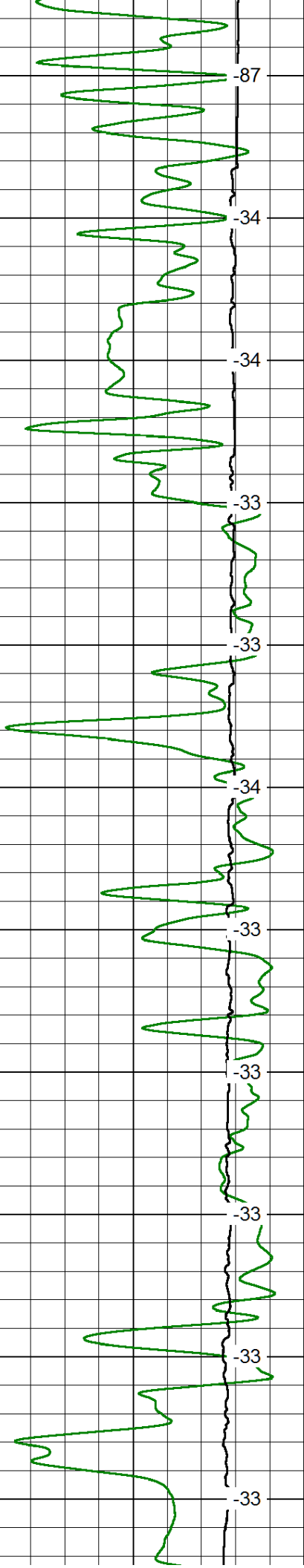
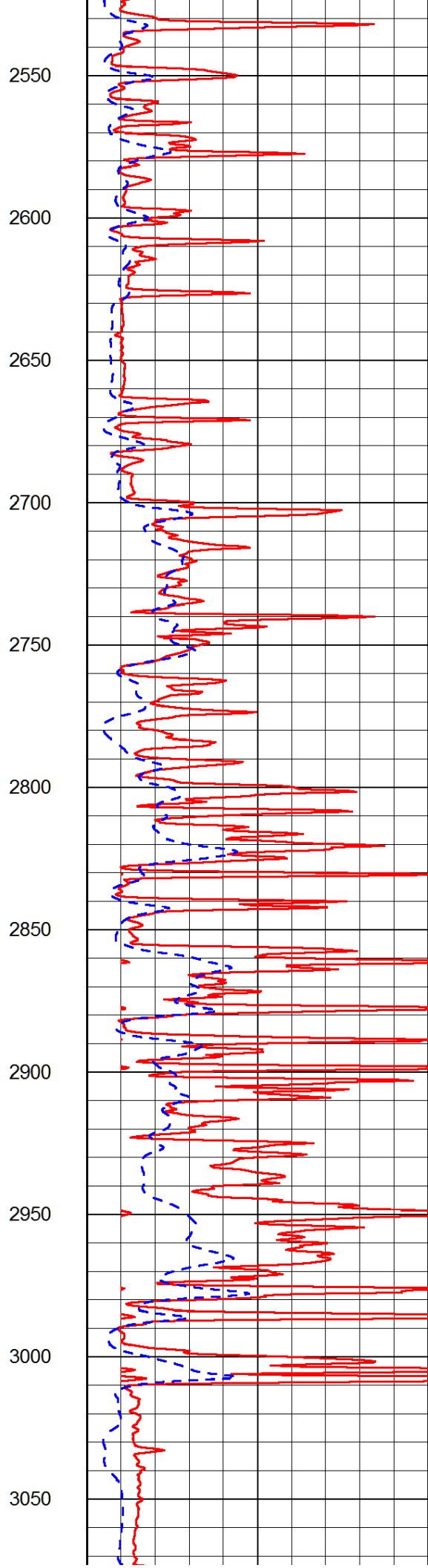
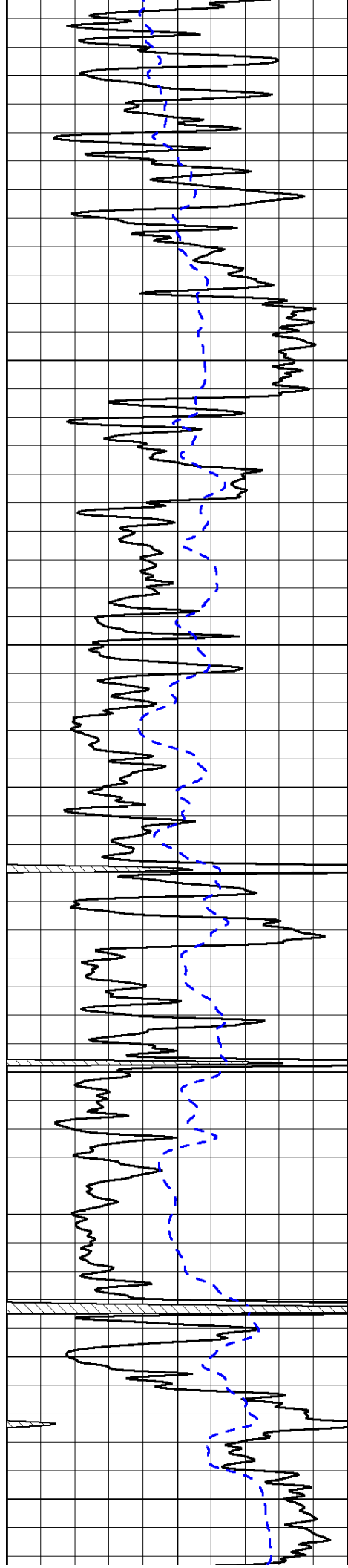
LSPD	0
------	---

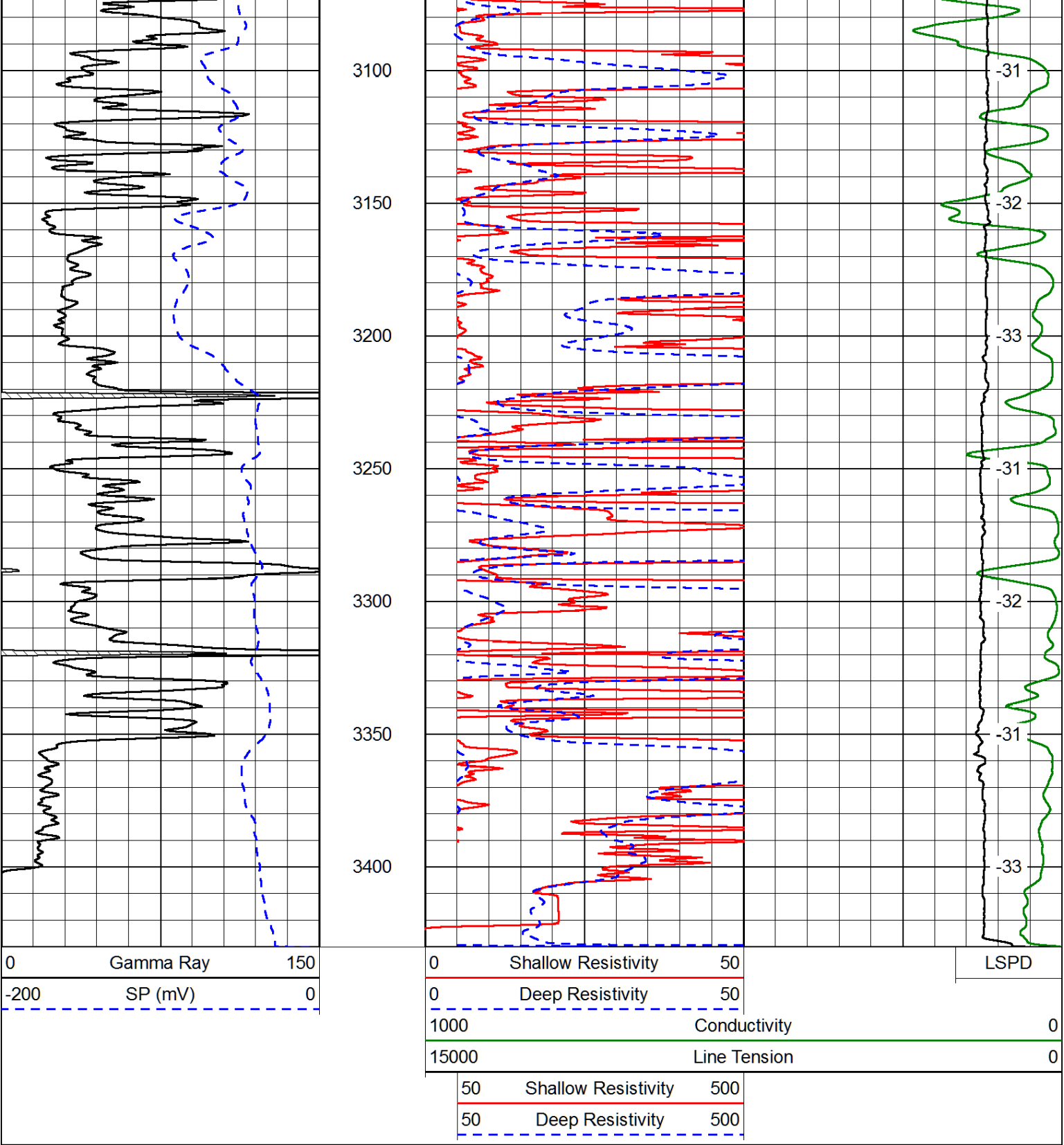




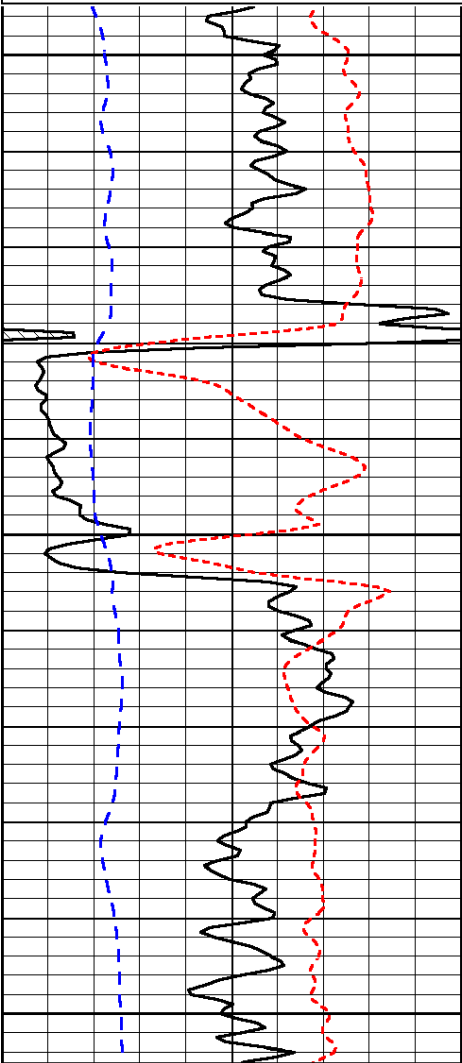








Database File:		marlou_jenisch_5hd.db	
Dataset Pathname:		DIL/marall	
Presentation Format:		dil	
Dataset Creation:		Wed Oct 08 08:35:22 2014	
Charted by:		Depth in Feet scaled 1:240	
0	Gamma Ray	150	
-160	RxoRt	40	
-200	SP (mV)	0	
0.2	Deep Resistivity	2000	
0.2	Medium Resistivity	2000	
0.2	Shallow Resistivity	2000	
10000	Line Tension	0	
			LSPD

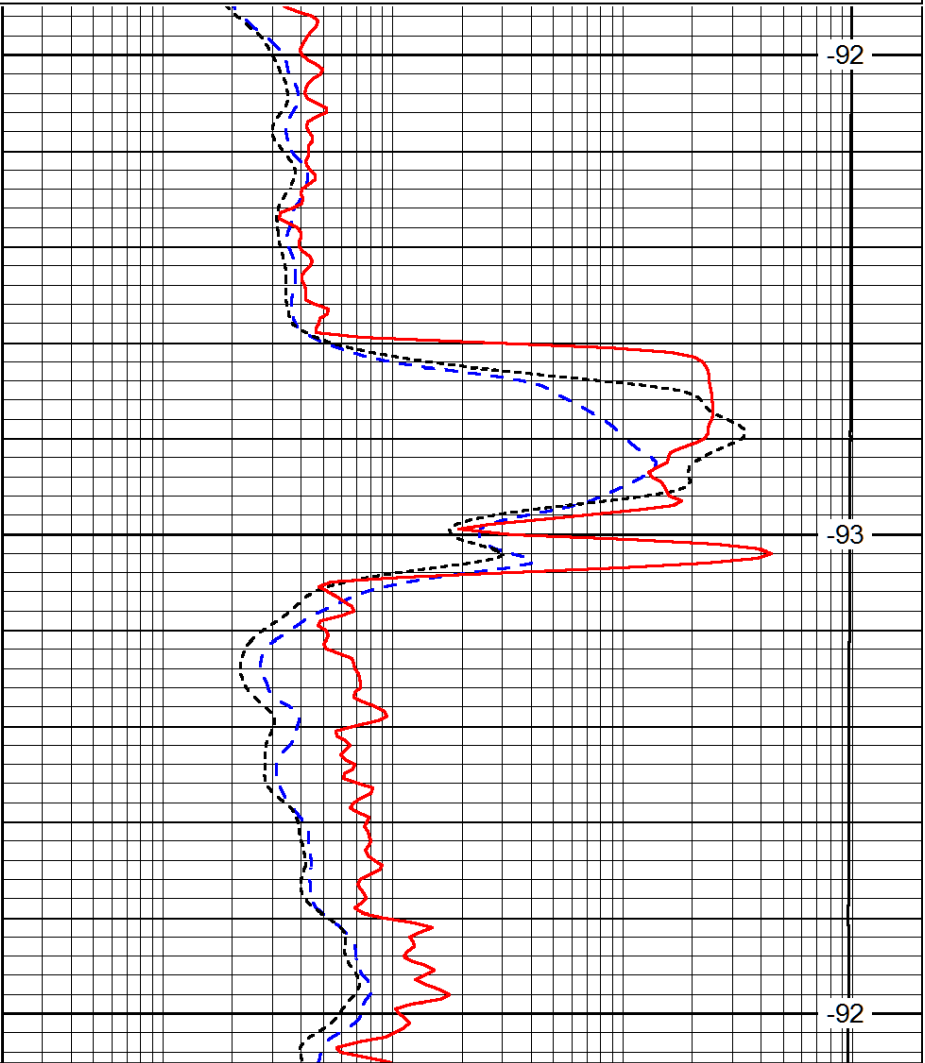


0	Gamma Ray	150
-160	RxoRt	40
-200	SP (mV)	0

750

800

850



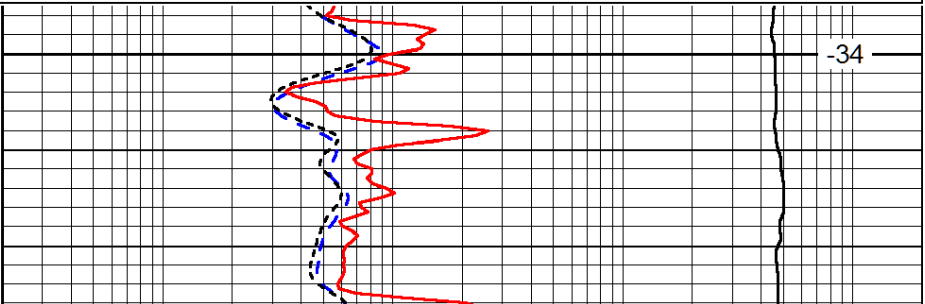
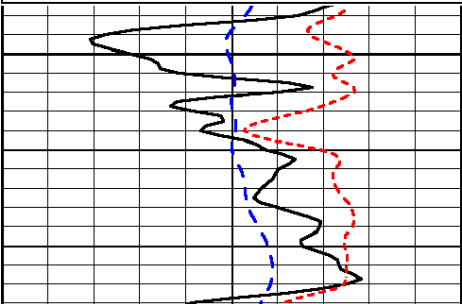
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD

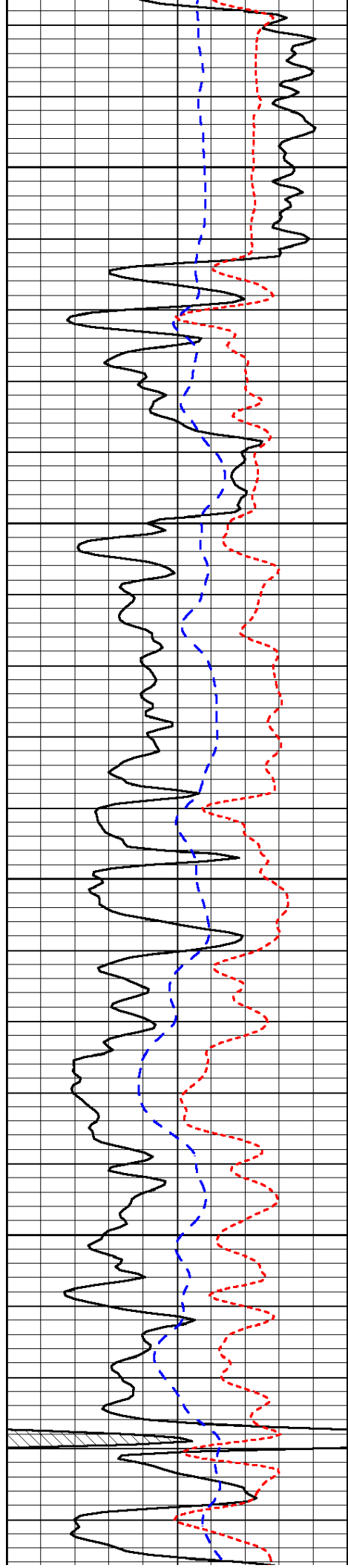
Database File: marlou_jenisch_5hd.db
Dataset Pathname: DIL/marall
Presentation Format: dil
Dataset Creation: Wed Oct 08 08:35:22 2014
Charted by: Depth in Feet scaled 1:240

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

2600



-34

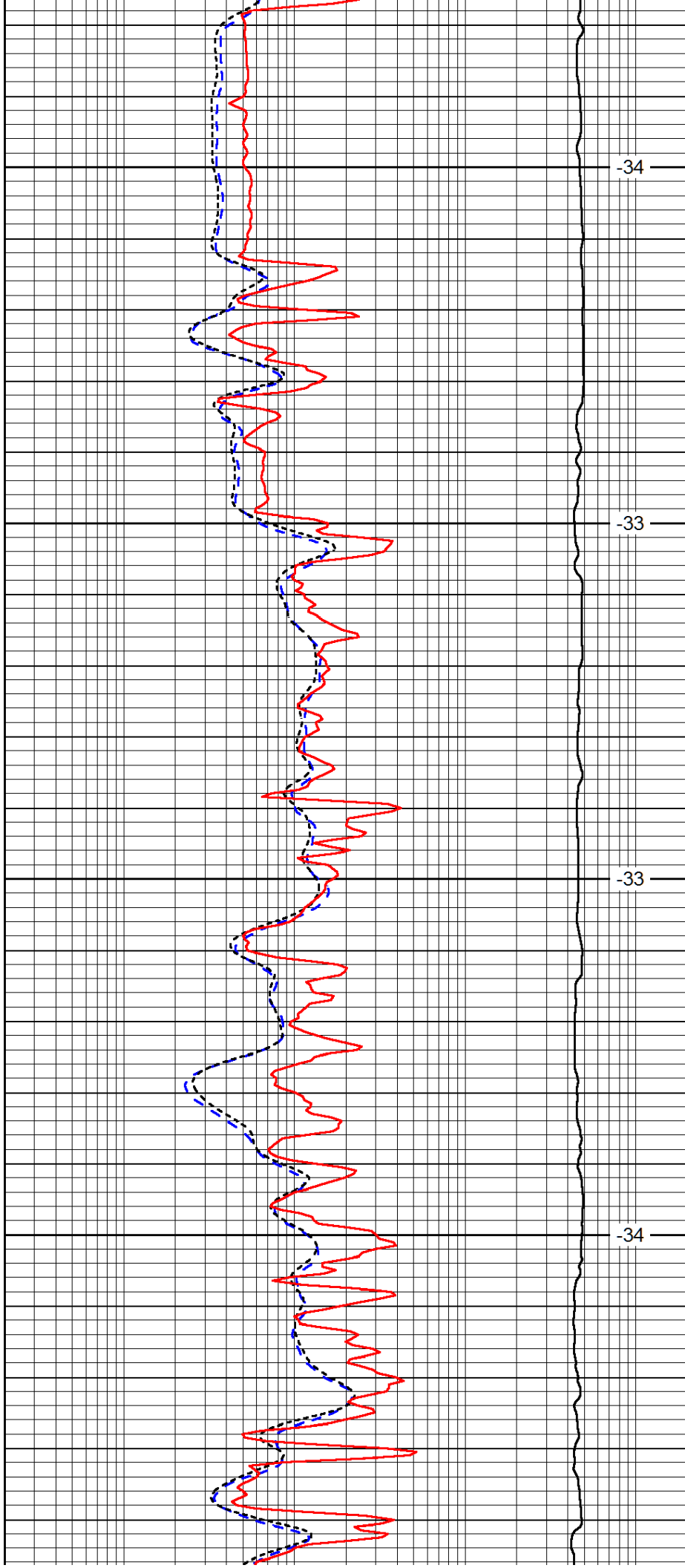


2650

2700

2750

2800

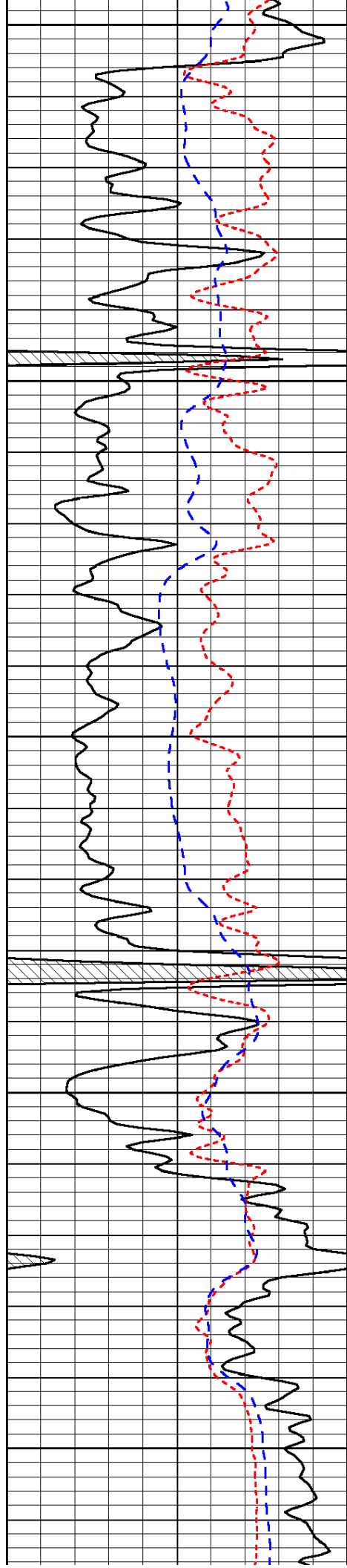


-34

-33

-33

-34



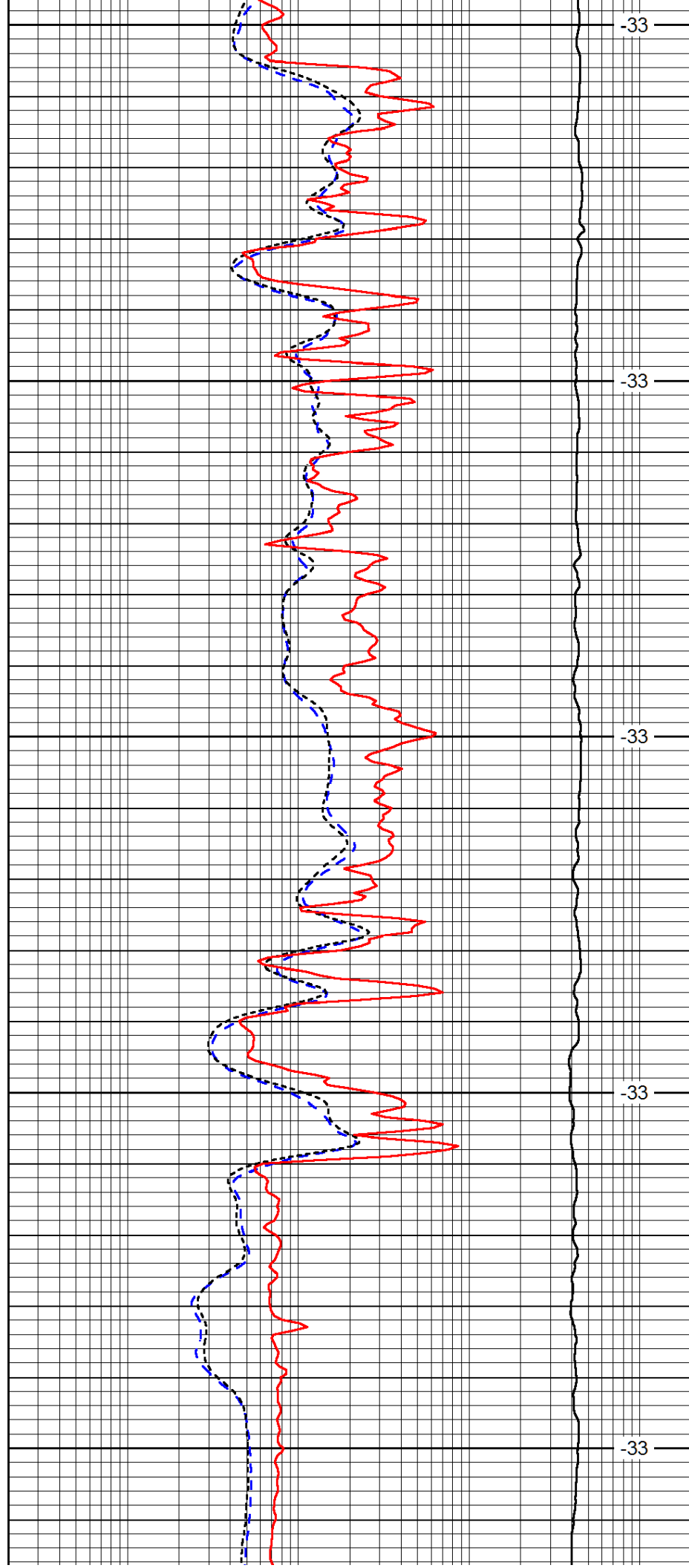
2850

2900

2950

3000

3050



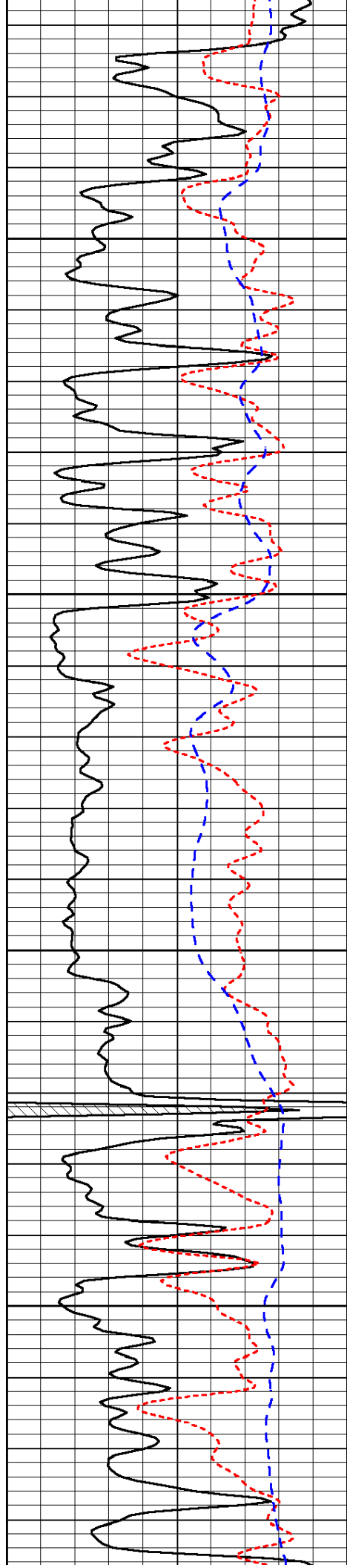
-33

-33

-33

-33

-33

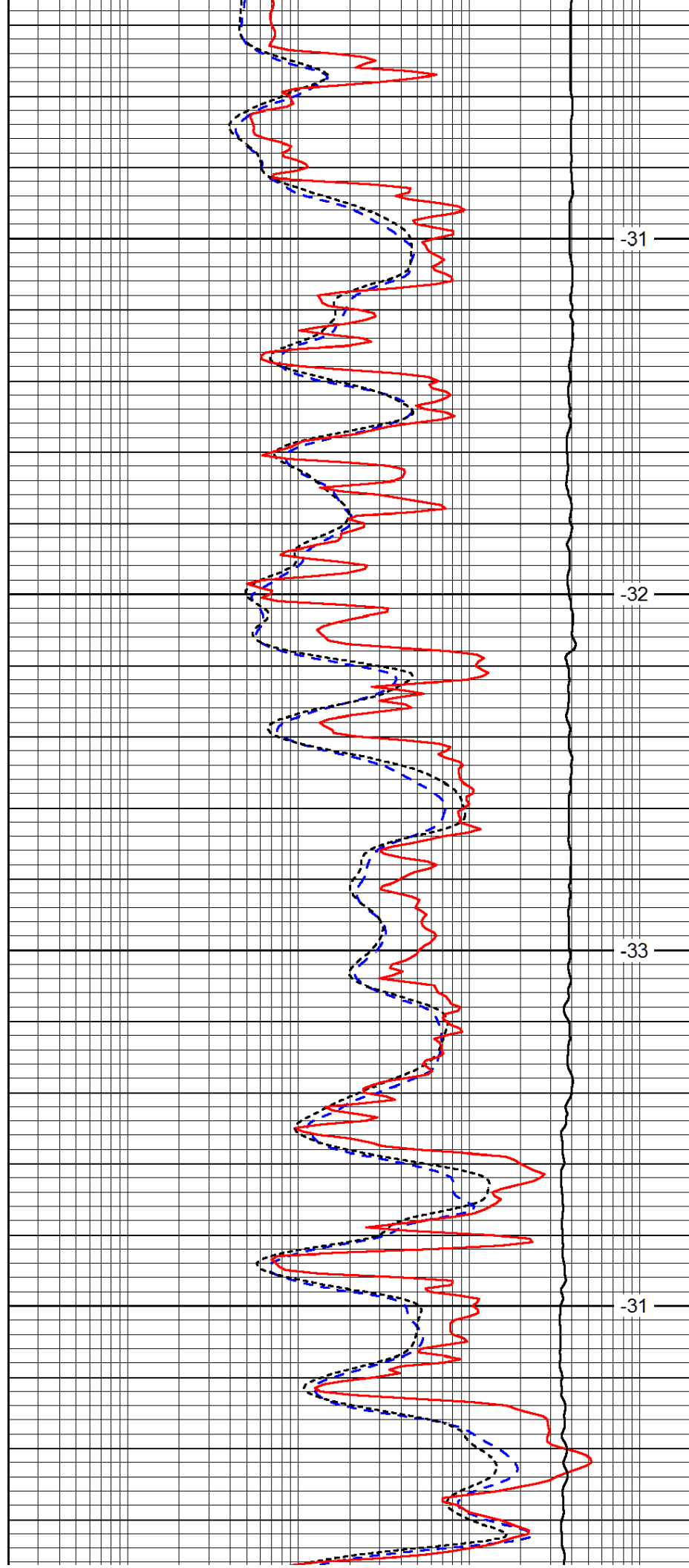


3100

3150

3200

3250

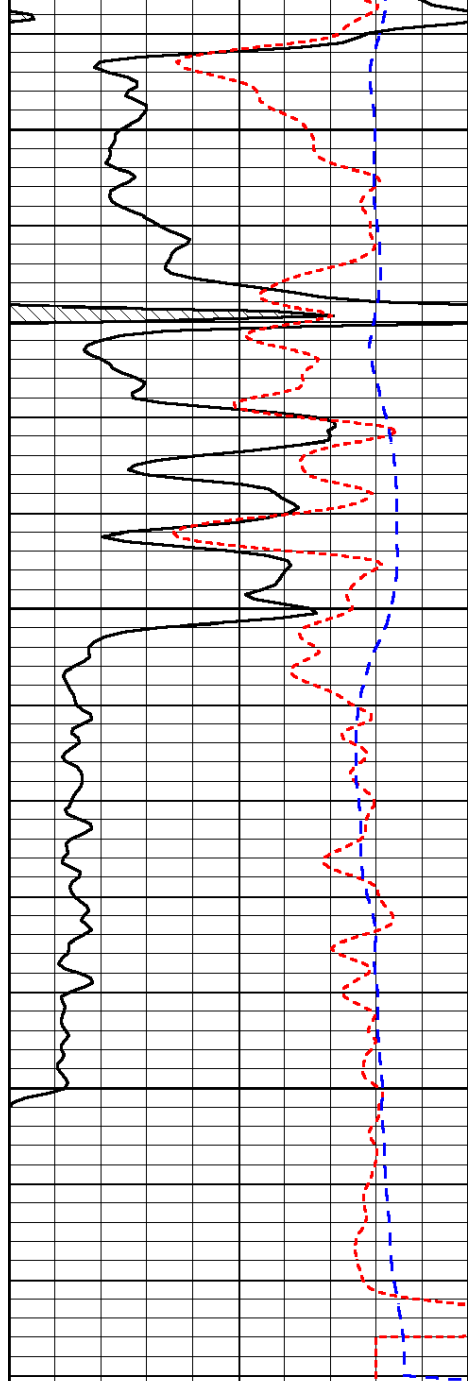


-31

-32

-33

-31

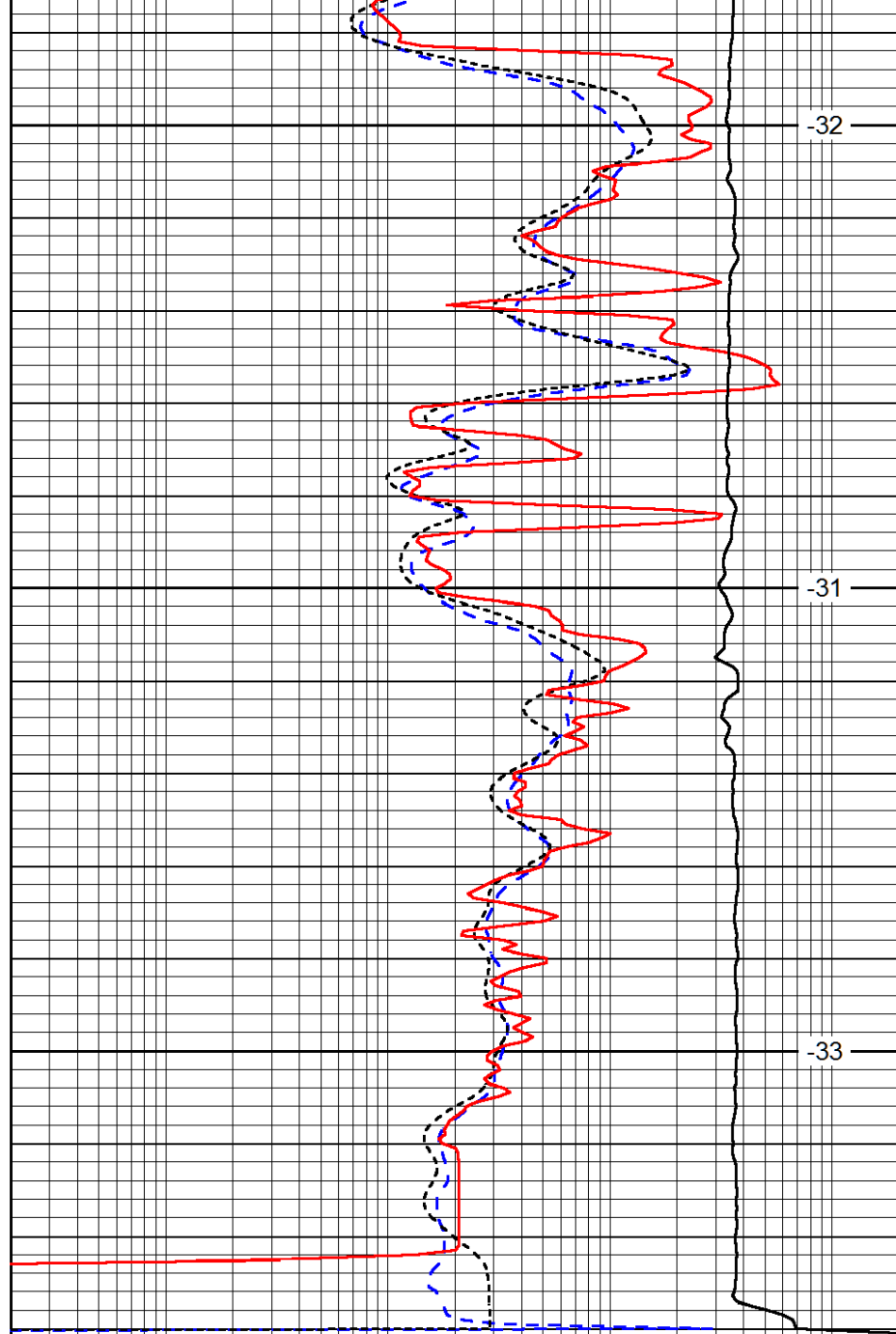


0	Gamma Ray	150
-160	RxoRt	40
-200	SP (mV)	0

3300

3350

3400



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

LSPD