



Dual Induction Log

Pioneer Energy Services

API No.

15-009-25,958-00-00

Company Prospect Oil & Gas Corporation

Well Bitter No. 2

Field Trapp

County Barton

State

Kansas

Location SW-NE-SW-NE
1975' FNL & 1845' FEL

Sec: 11

Twp: 16S

Rge: 14W

Other Services
CNL/CDL
MEL

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation
K.B. 1936
D.F. 1929
G.L. 1929

Date

3/28/14

Run Number

One

Depth Driller

3440

Depth Logger

3439

Bottom Logged Interval

3438

Top Log Interval

400

Casing Driller

8.625 @ 413

Casing Logger

410

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8.900

Density / Viscosity

9.2 83

pH / Fluid Loss

9.5 9.2

Source of Sample

Flowline

Rm @ Meas. Temp

.42 @ 62

Rmf @ Meas. Temp

.32 @ 62

Rmc @ Meas. Temp

.57 @ 62

Source of Rmf / Rmc

Charts

Rm @ BHT

.24 @ 110

Operating Rig Time

3 1/2 Hours

Max Rec. Temp. F

110

Equipment Number

108

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Randy Kilian

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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

Russell Kansas
South to County Line, 1 South, 1/2 East, South Into

Database File: prospect_bitter_2hd.db

Dataset Pathname: DIL/prostk

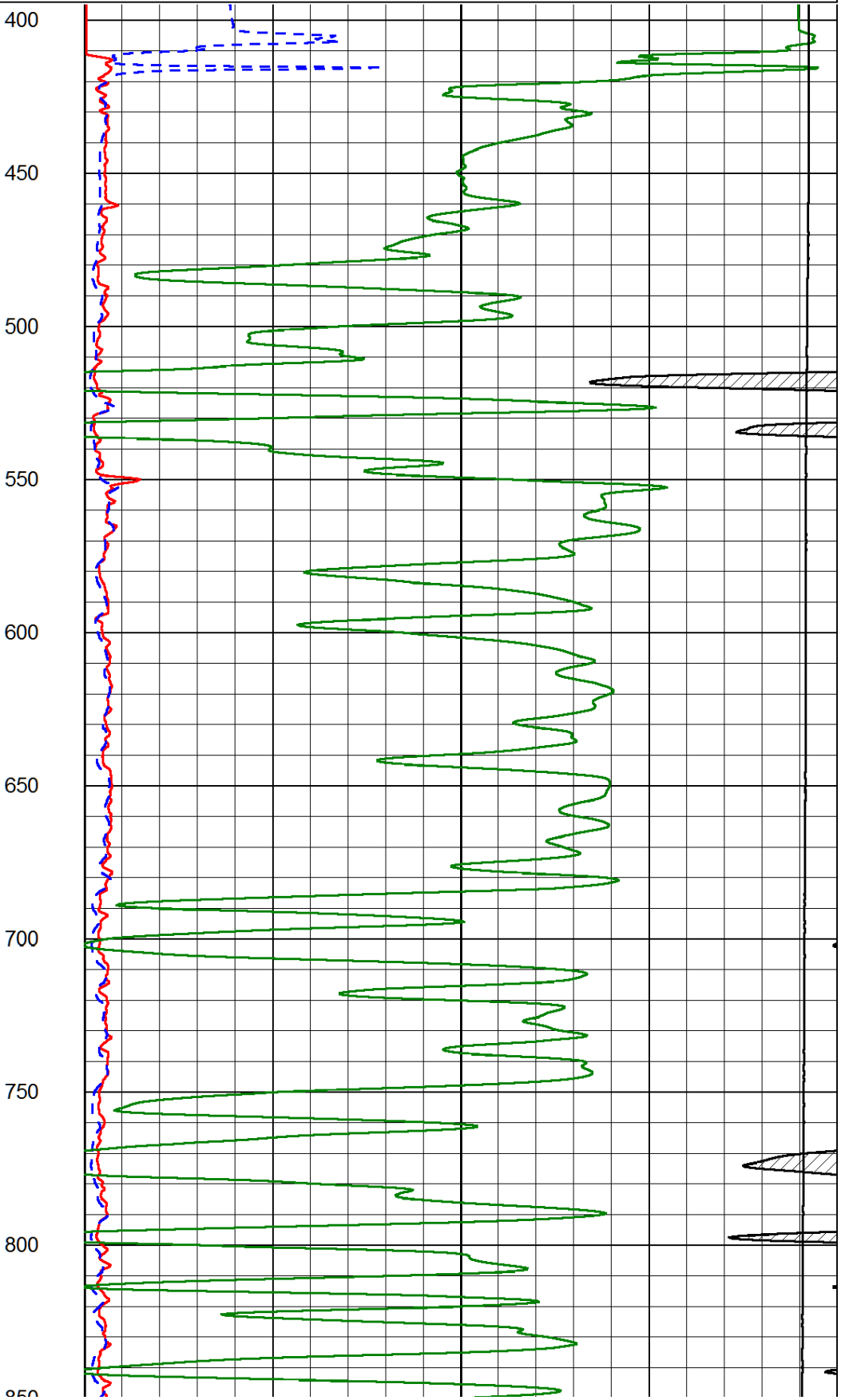
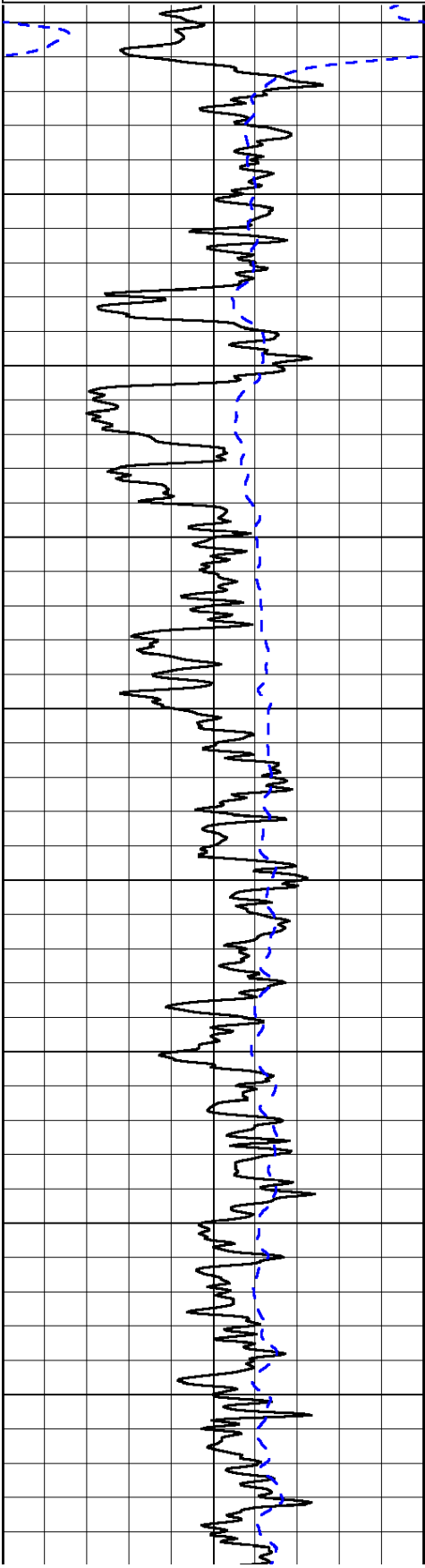
Presentation Format: dil2in

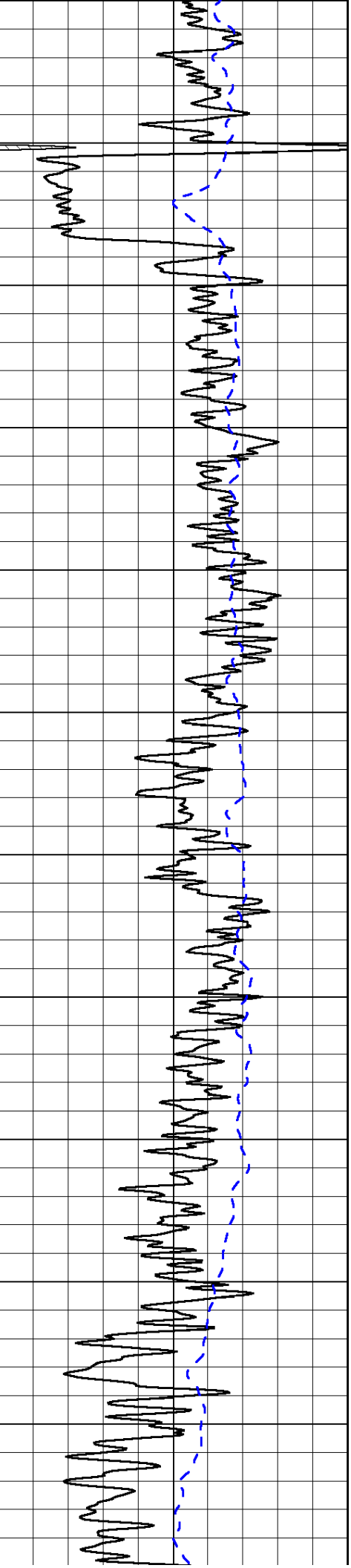
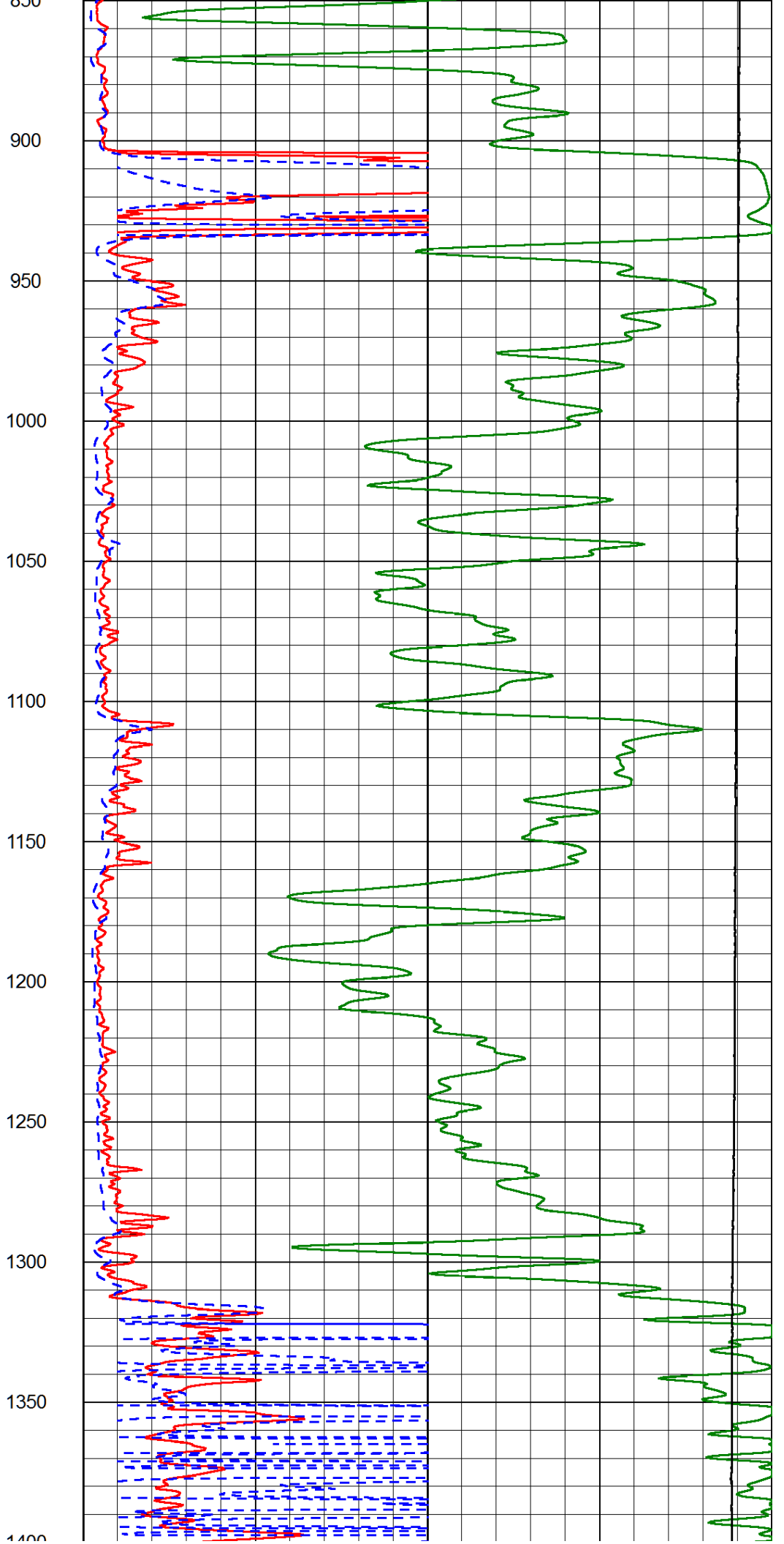
Dataset Creation: Fri Mar 28 18:22:28 2014

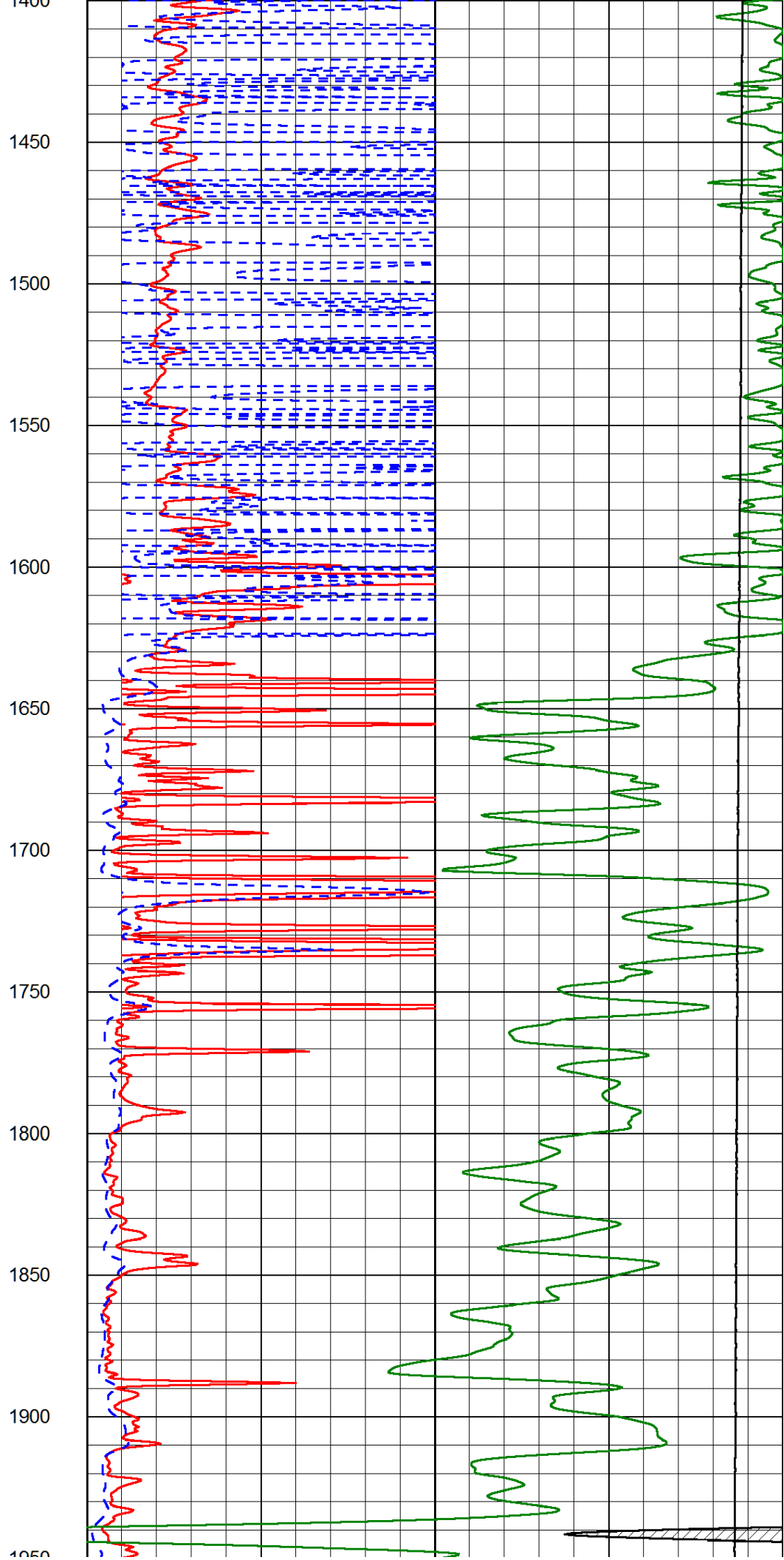
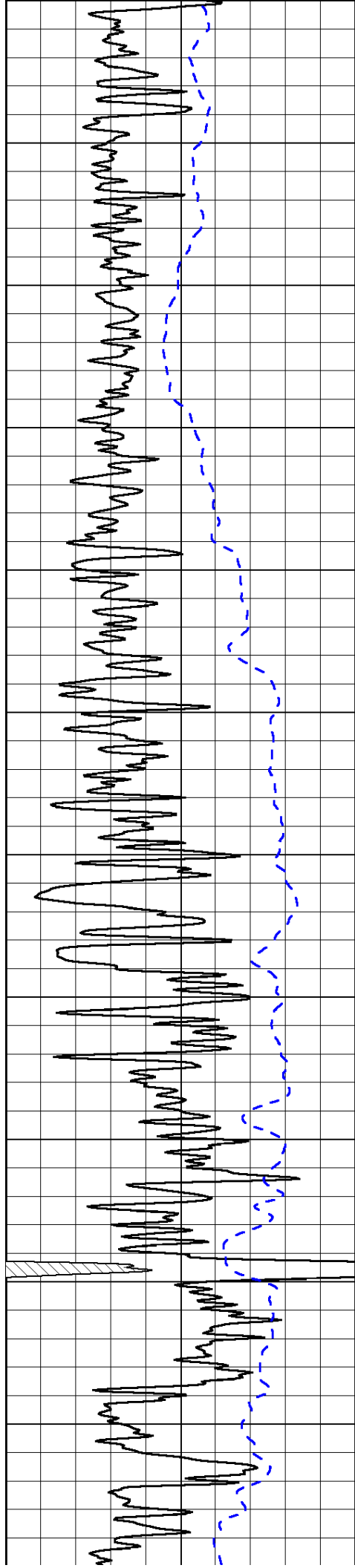
Charted by: Depth in Feet scaled 1:600

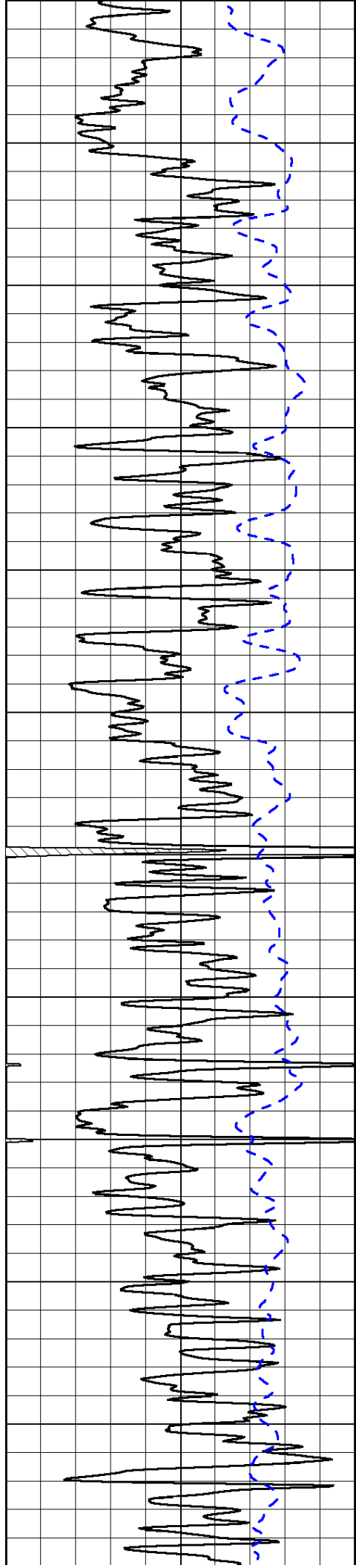
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

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

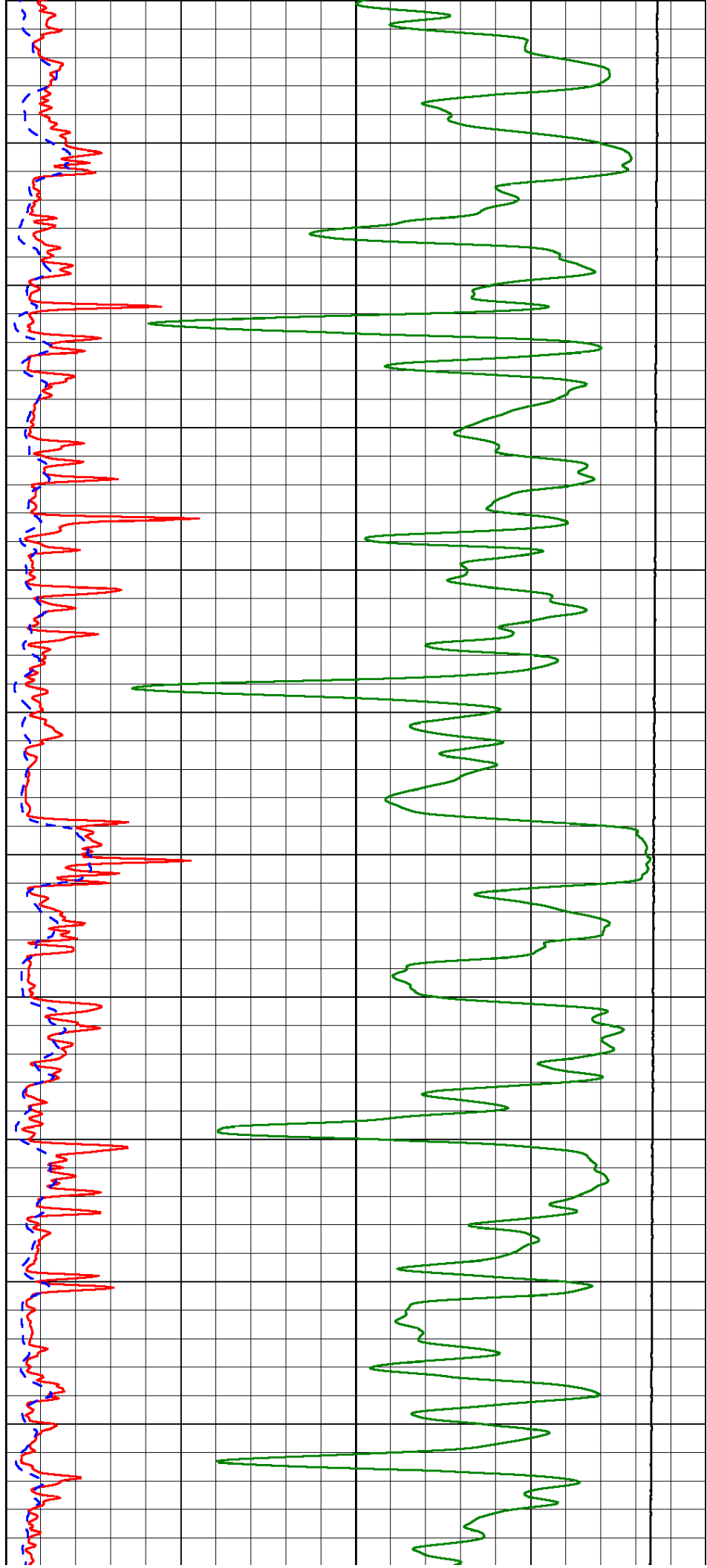


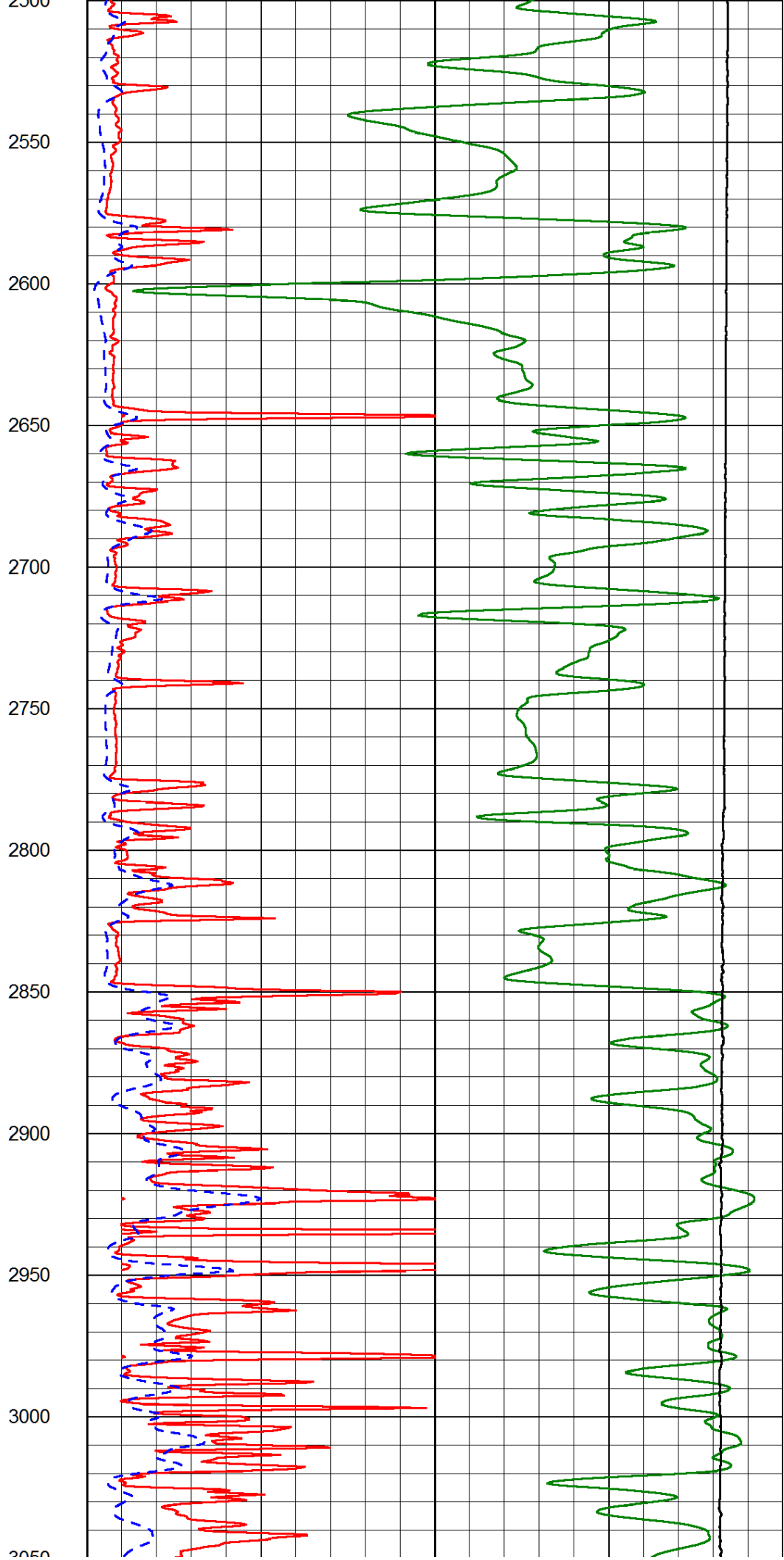
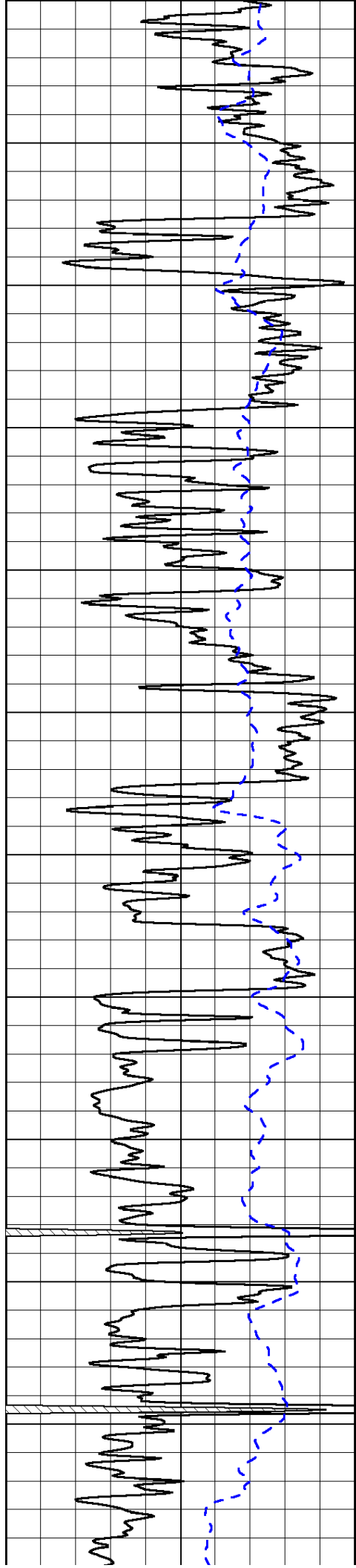


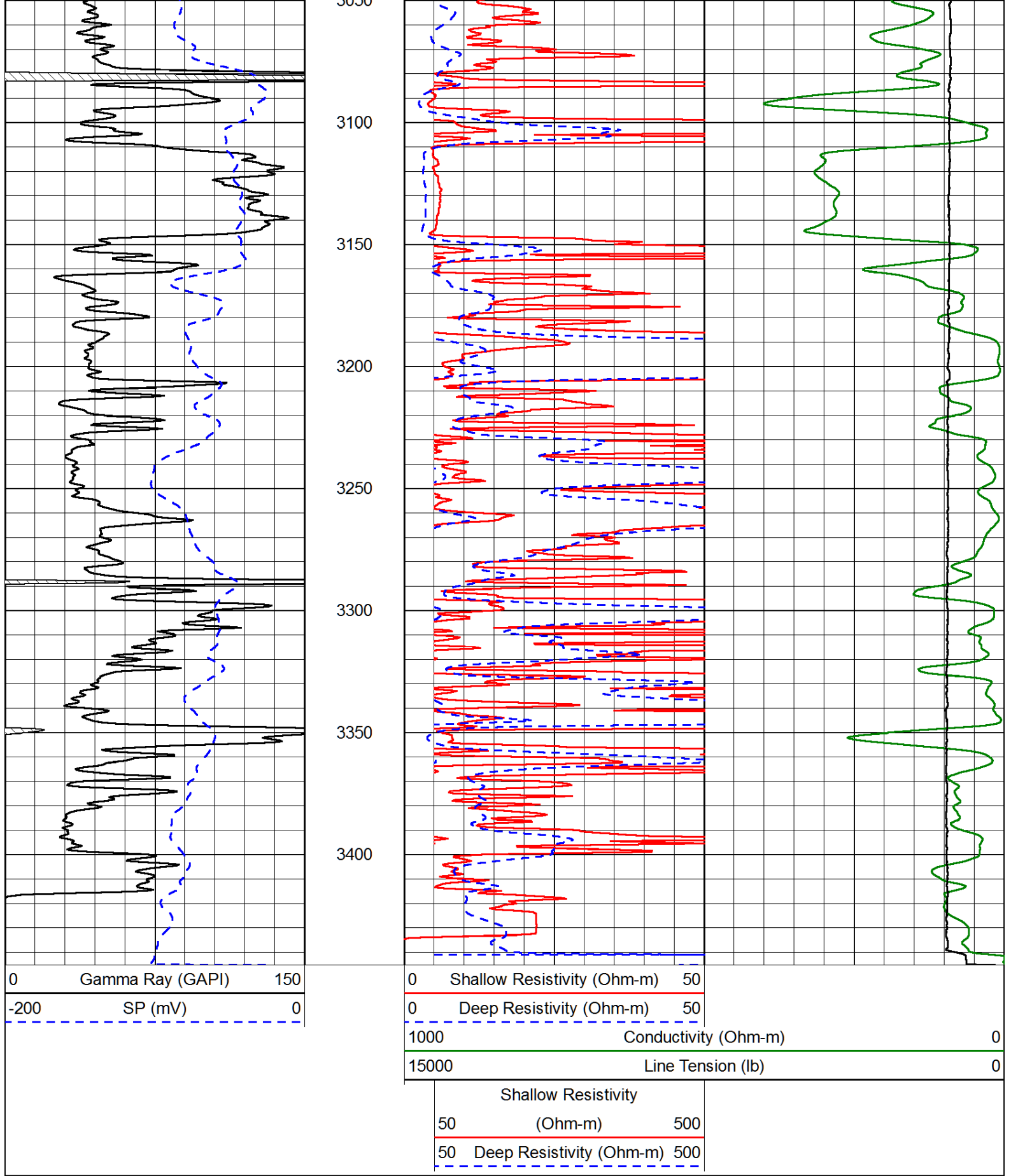




1950
2000
2050
2100
2150
2200
2250
2300
2350
2400
2450
2500





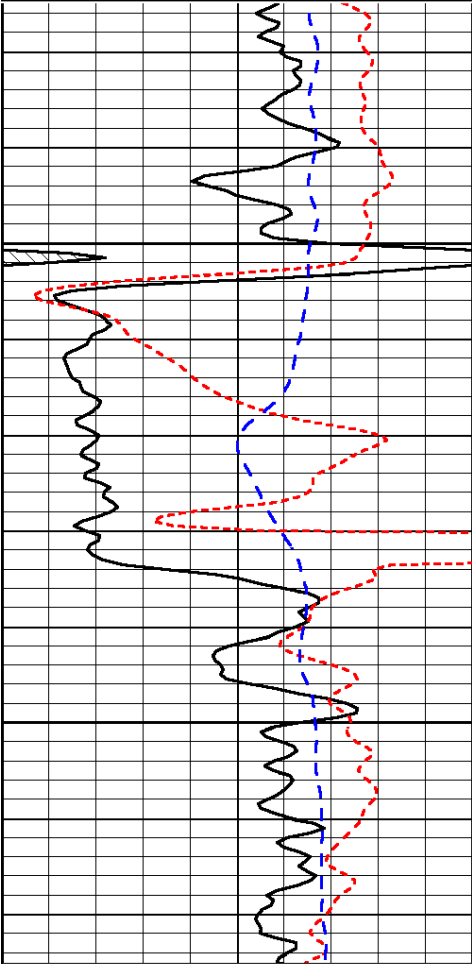


Database File: prospect_bitter_2hd.db
Dataset Pathname: DIL/prostk
Presentation Format: dil
Dataset Creation: Fri Mar 28 18:22:28 2014
Charted by: Depth in Feet scaled 1:240

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

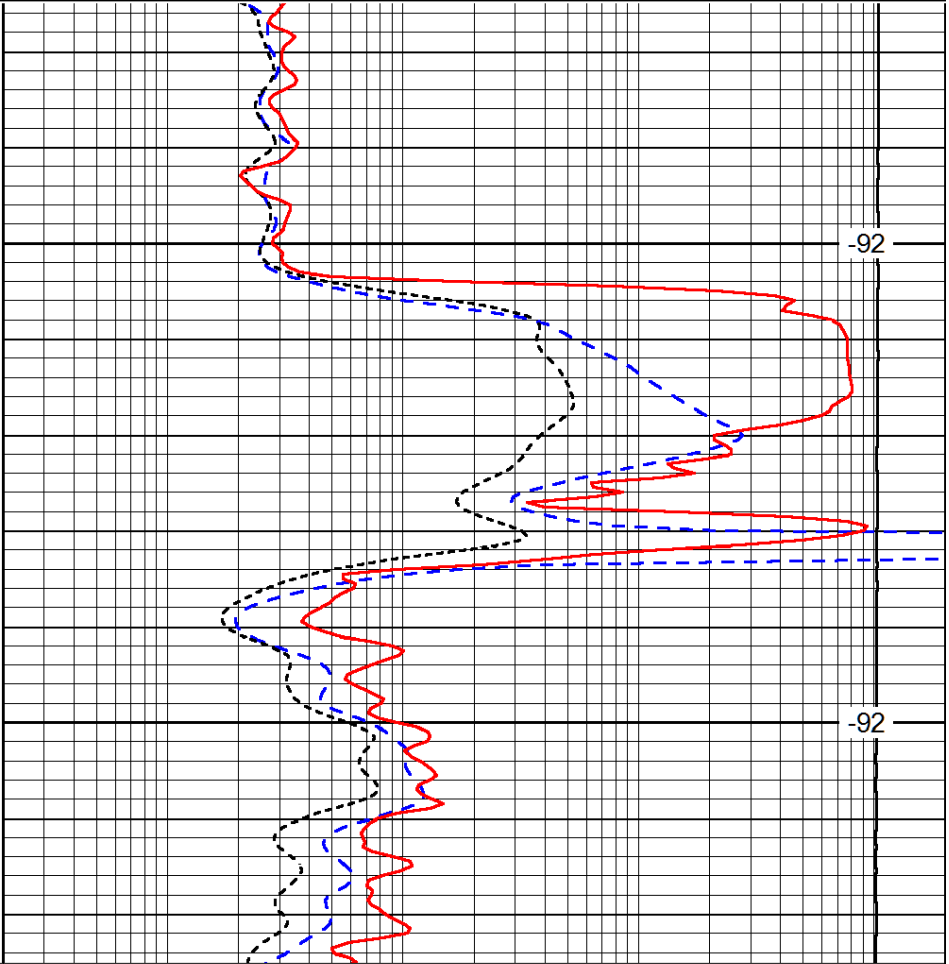
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)



900

950



-92

-92

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

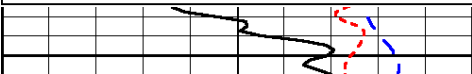
LSPD
(ft/min)

Database File: prospect_bitter_2hd.db
 Dataset Pathname: DIL/prostk
 Presentation Format: dil
 Dataset Creation: Fri Mar 28 18:22:28 2014
 Charted by: Depth in Feet scaled 1:240

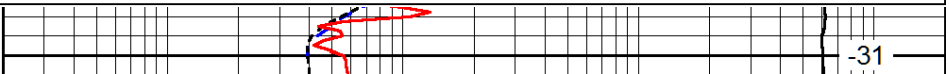
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-160	RXO/RT	40
-200	SP (mV)	0

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

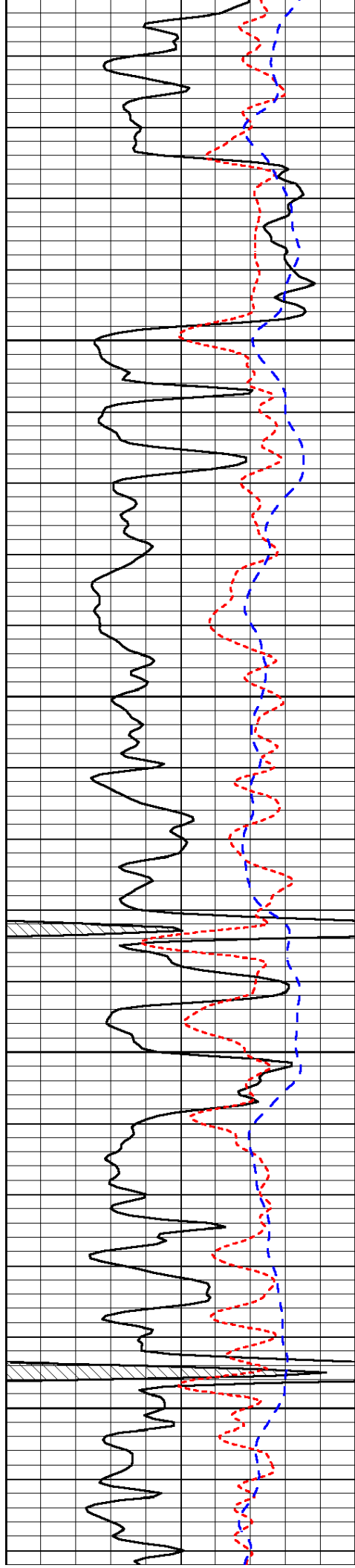
LSPD
(ft/min)



2800



-31

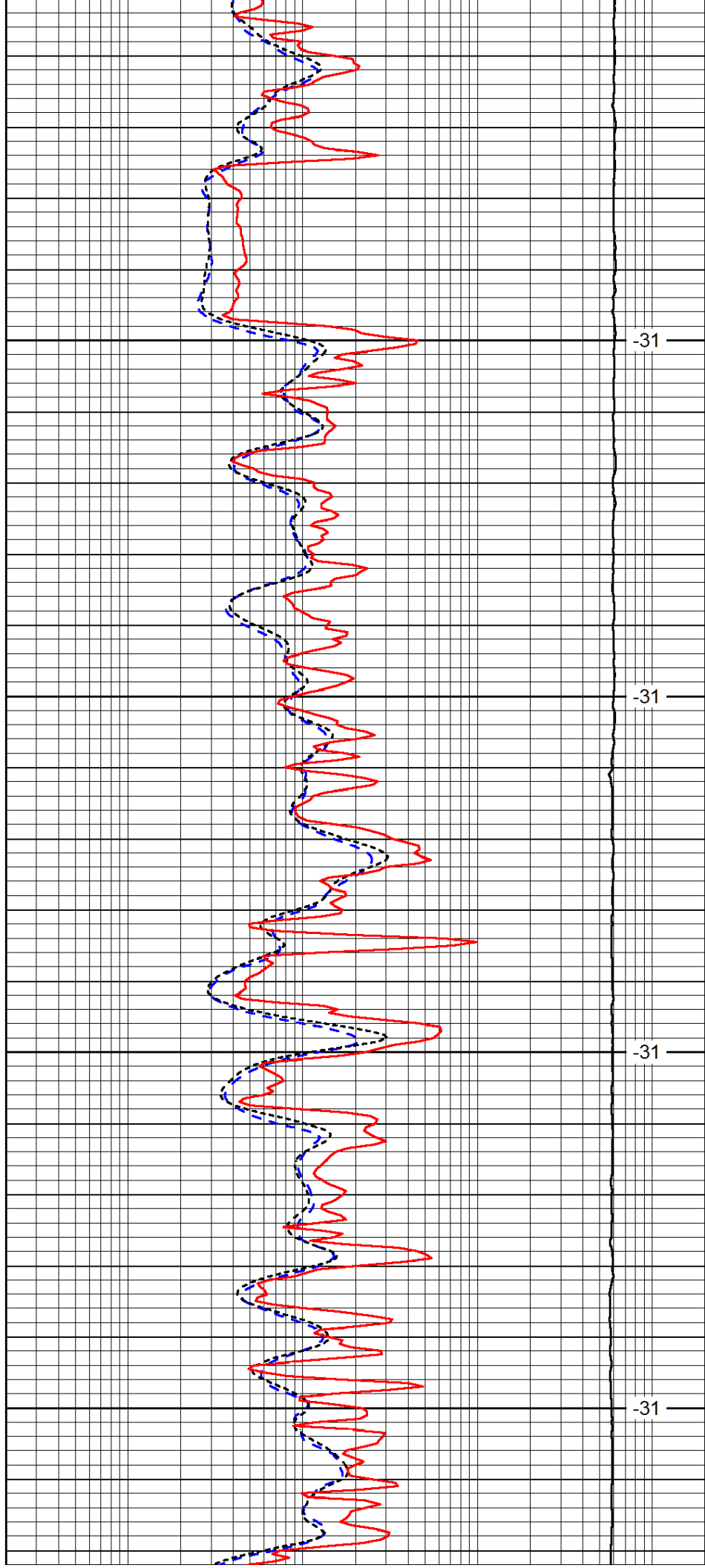


2850

2900

2950

3000

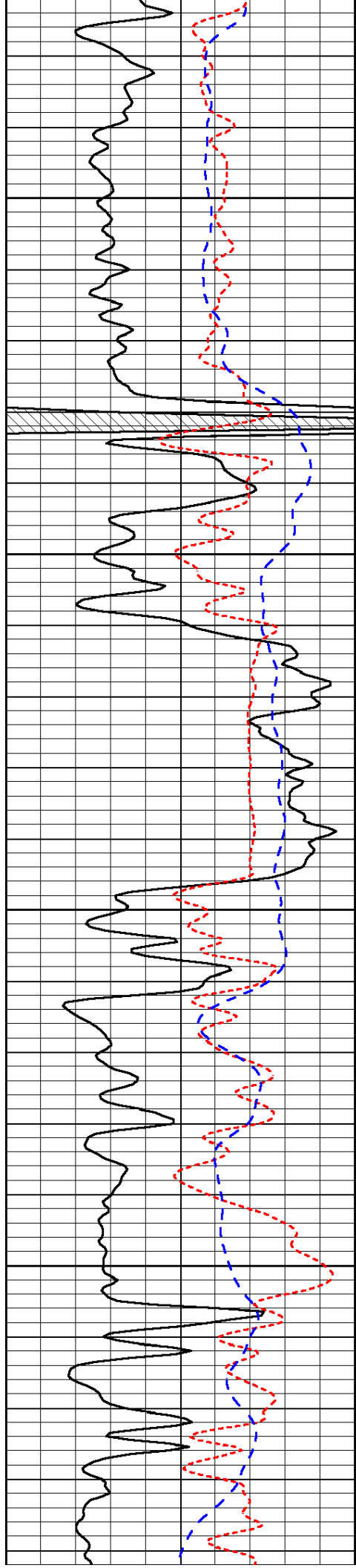


-31

-31

-31

-31

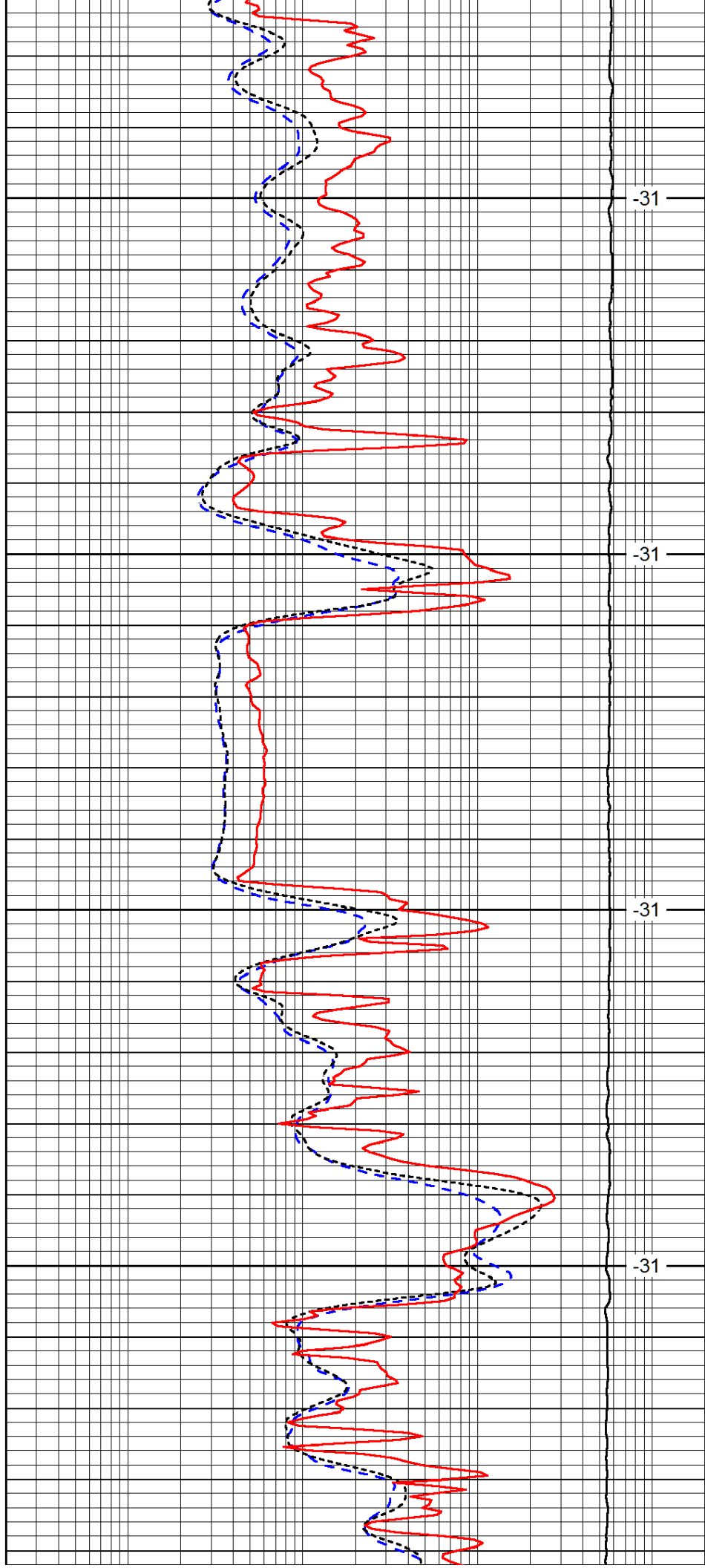


3050

3100

3150

3200

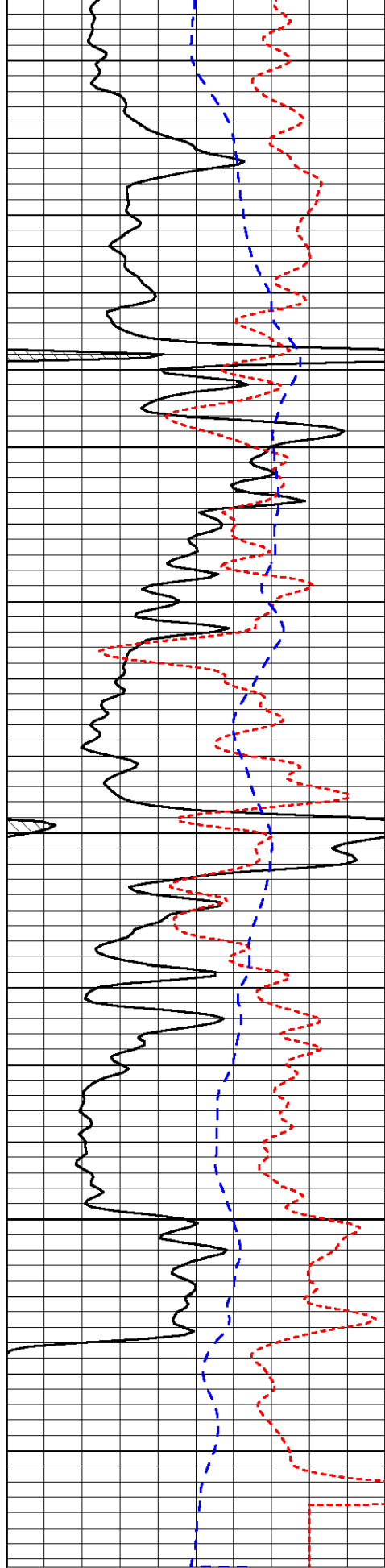


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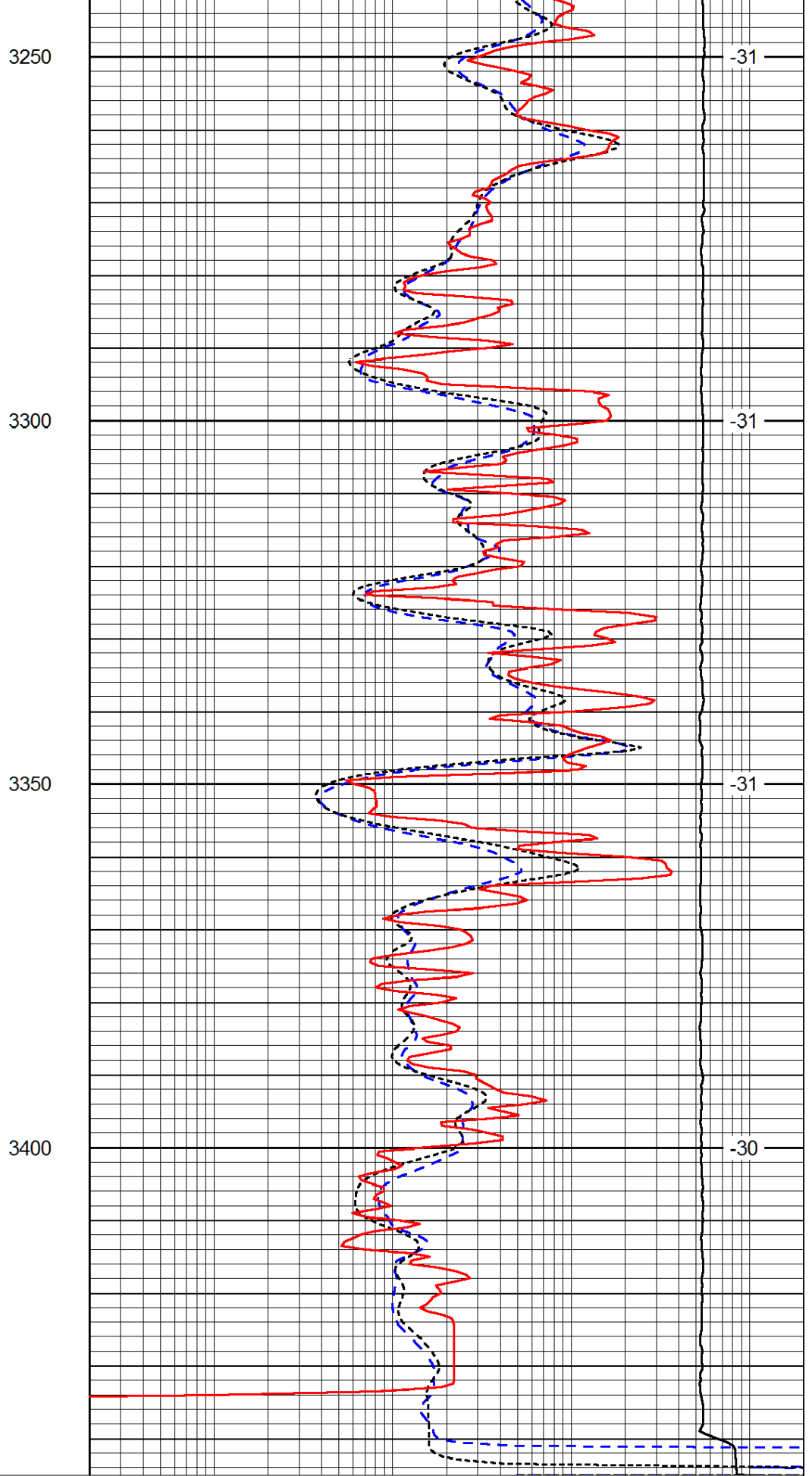
-31

-31

-31



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

	10000	Line Tension (lb)	5
			LSPD (ft/min)