



Pioneer Energy Services

Dual Induction Log

API No.	15-185-23,768-00-00	
Company	H&B Petroleum Corporation	
Well	Salem "V" No. 1	
Field	Chase-Silica	
County	Stafford	State
		Kansas
Location	NW SE NE 1,870' FNL & 1,205' FEL	
Sec: 2	Twp: 21S	Rge: 12W
Permanent Datum	Ground Level	Elevation 1922
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL
		Elevation K.B. 1830 D.F. 1828 G.L. 1822

Date	10/24/2012
Run Number	One
Depth Driller	3500
Depth Logger	3500
Bottom Logged Interval	3499
Top Log Interval	350
Casing Driller	8.625 @ 353
Casing Logger	350
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	5200
Density / Viscosity	9.2 53
pH / Fluid Loss	9.5 8.8
Source of Sample	Flowline
Rm @ Meas. Temp	1.05 @ 68
Rmf @ Meas. Temp	.79 @ 68
Rmc @ Meas. Temp	1.42 @ 68
Source of Rmf / Rmc	Charts
Rm @ BHT	.64 @ 111
Operating Rig Time	4 Hours
Max Rec. Temp. F	111
Equipment Number	108
Location	Hays
Recorded By	J. Long
Witnessed By	Jim Musgrove

<<< 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

Ellinwood, South to County Line, 1/3 South, West Into

Database File: h&b_salem_v_1hd.db
 Dataset Pathname: dil/hbstck
 Presentation Format: dil2in
 Dataset Creation: Wed Oct 24 13:26:25 2012
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150
-200 SP 0

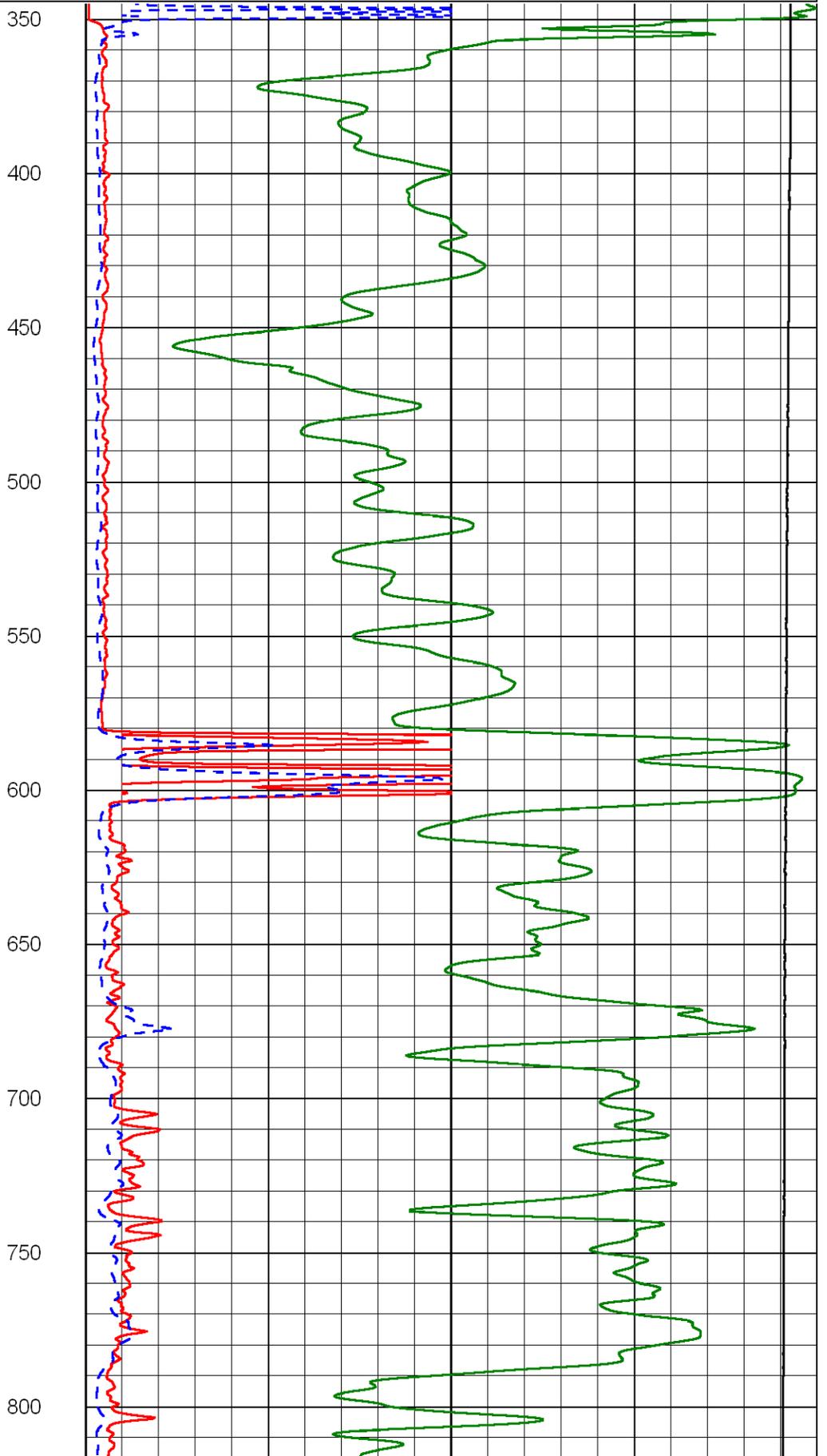
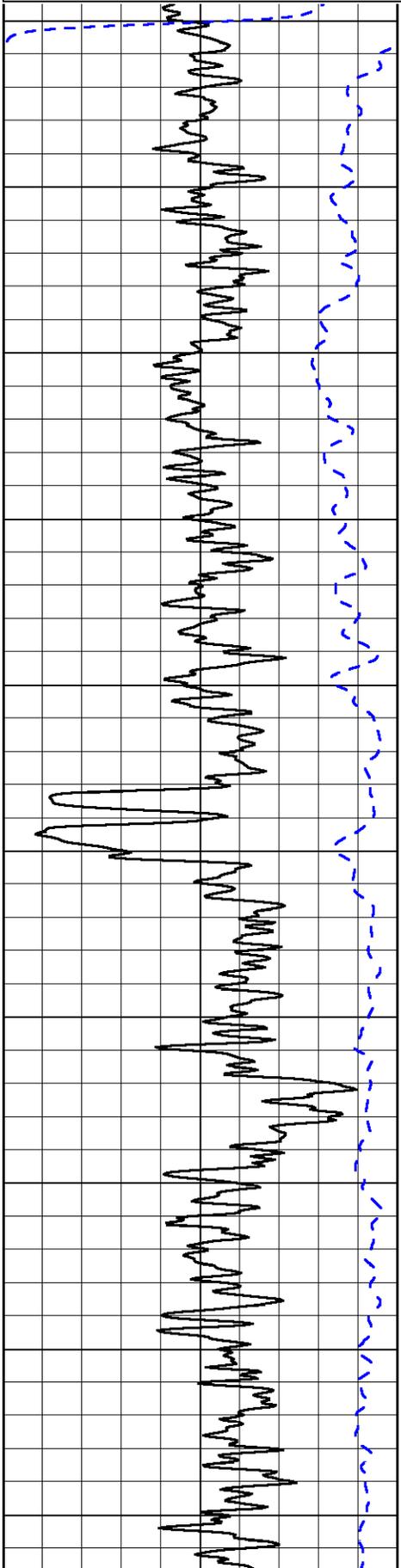
0 Shallow Resistivity 50
0 Deep Resistivity 50

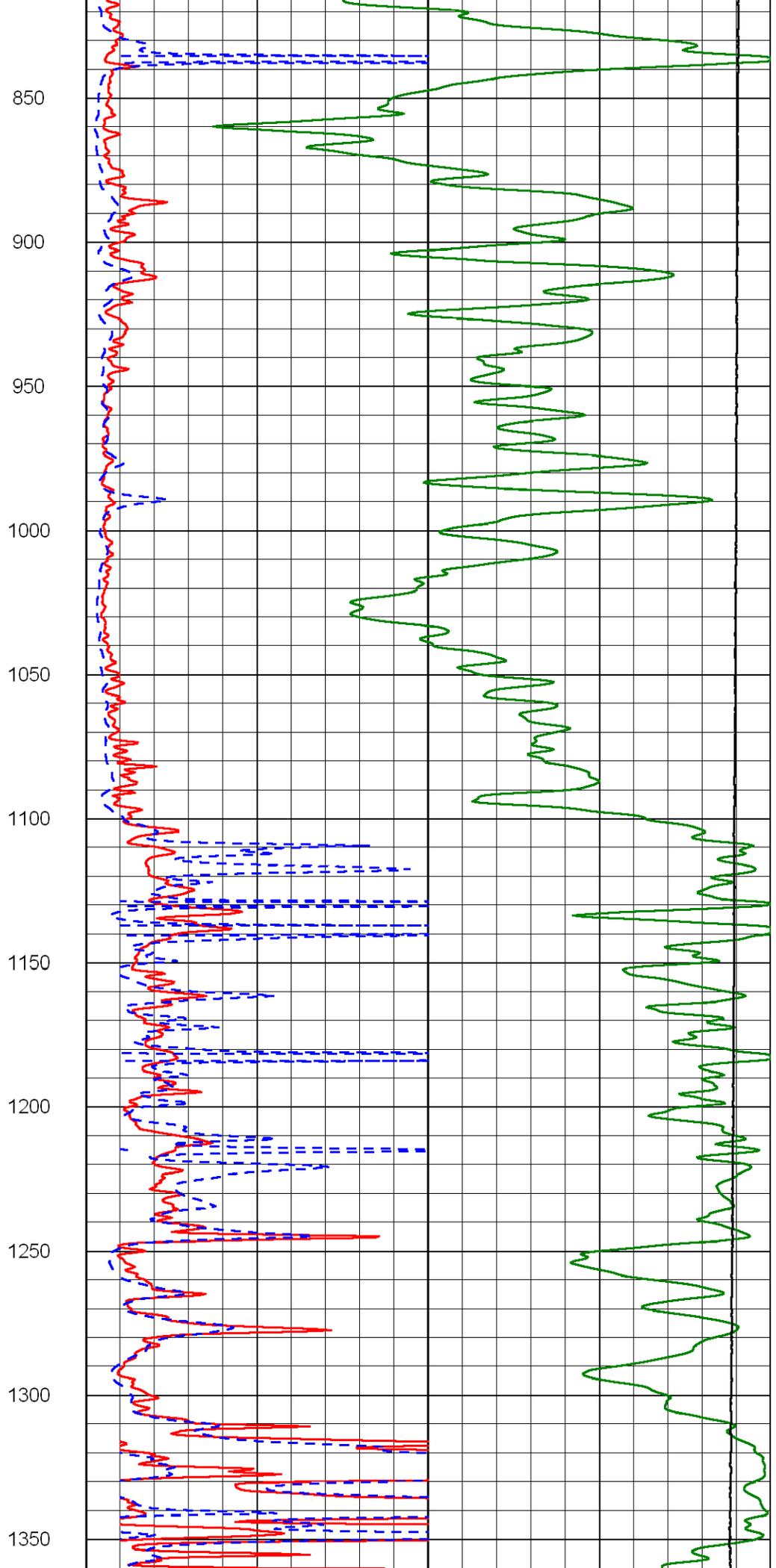
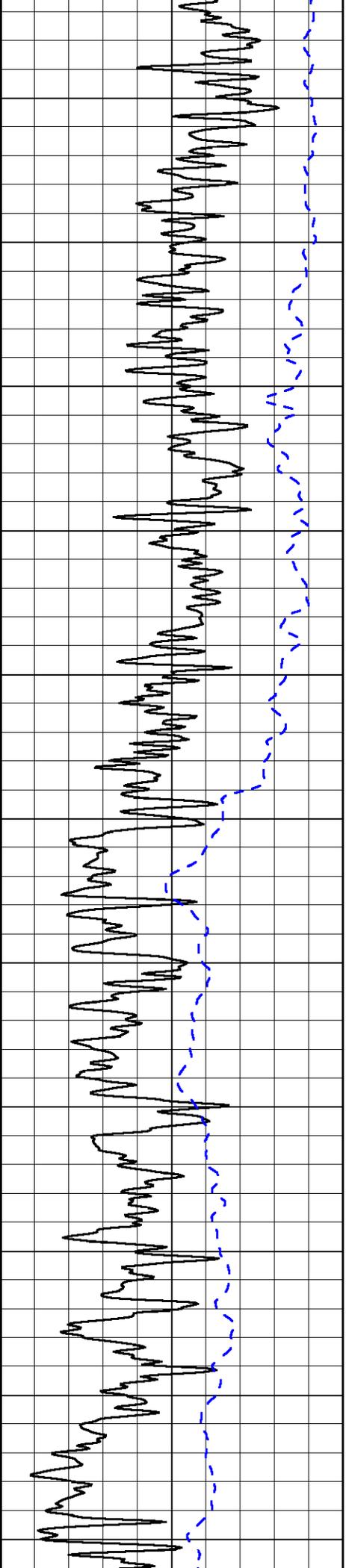
1000 Conductivity 0

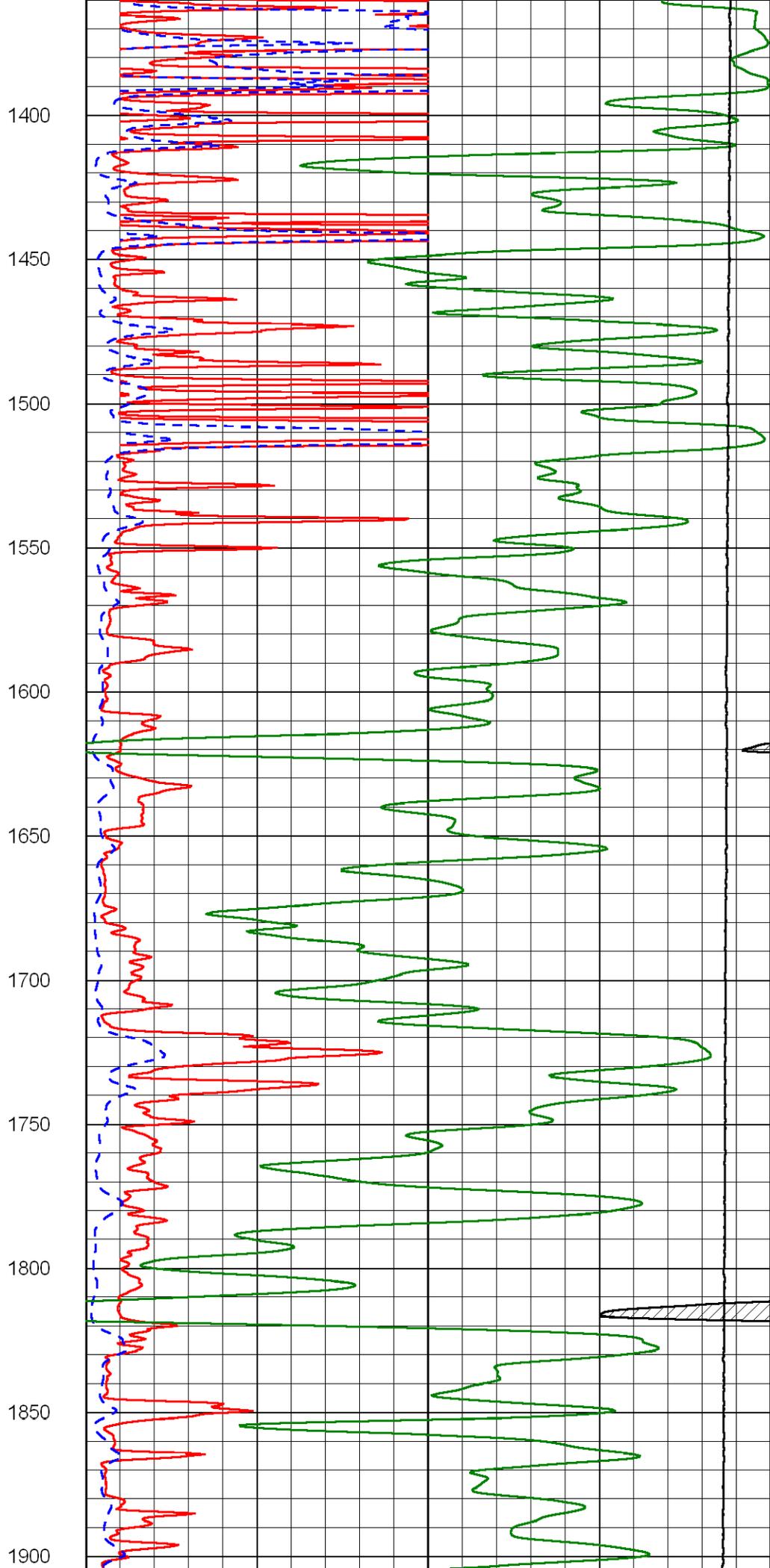
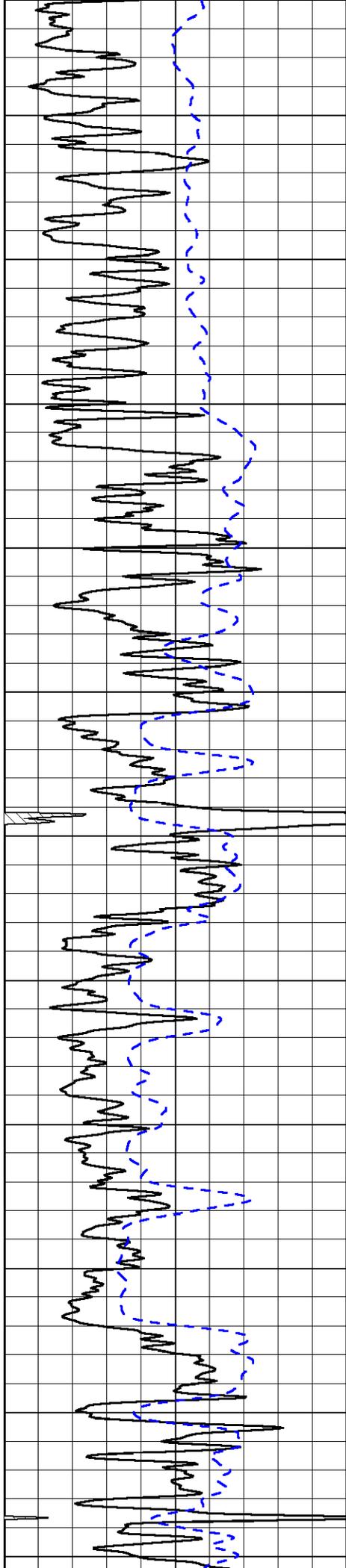
15000 Line Tension 0

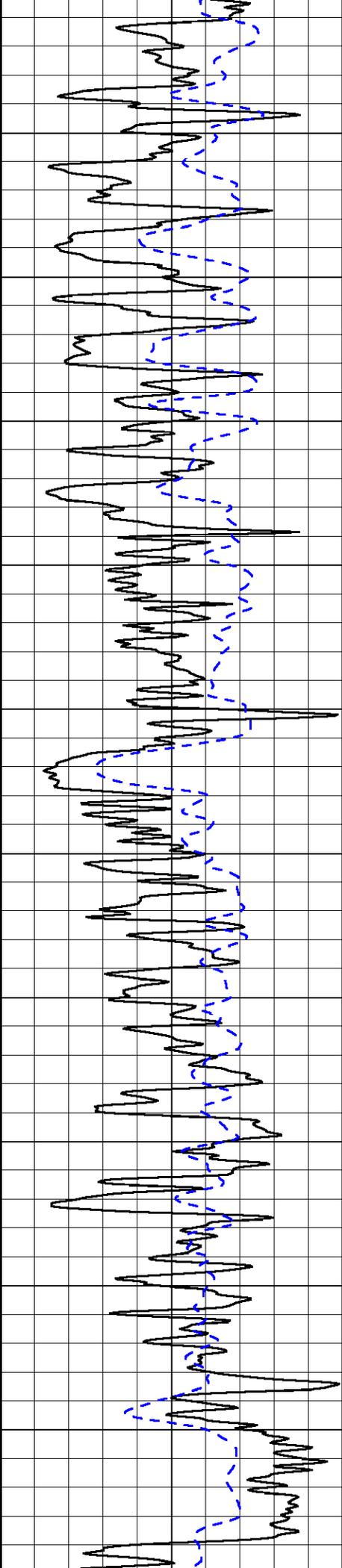
50 Shallow Resistivity 500

50 Deep Resistivity 500

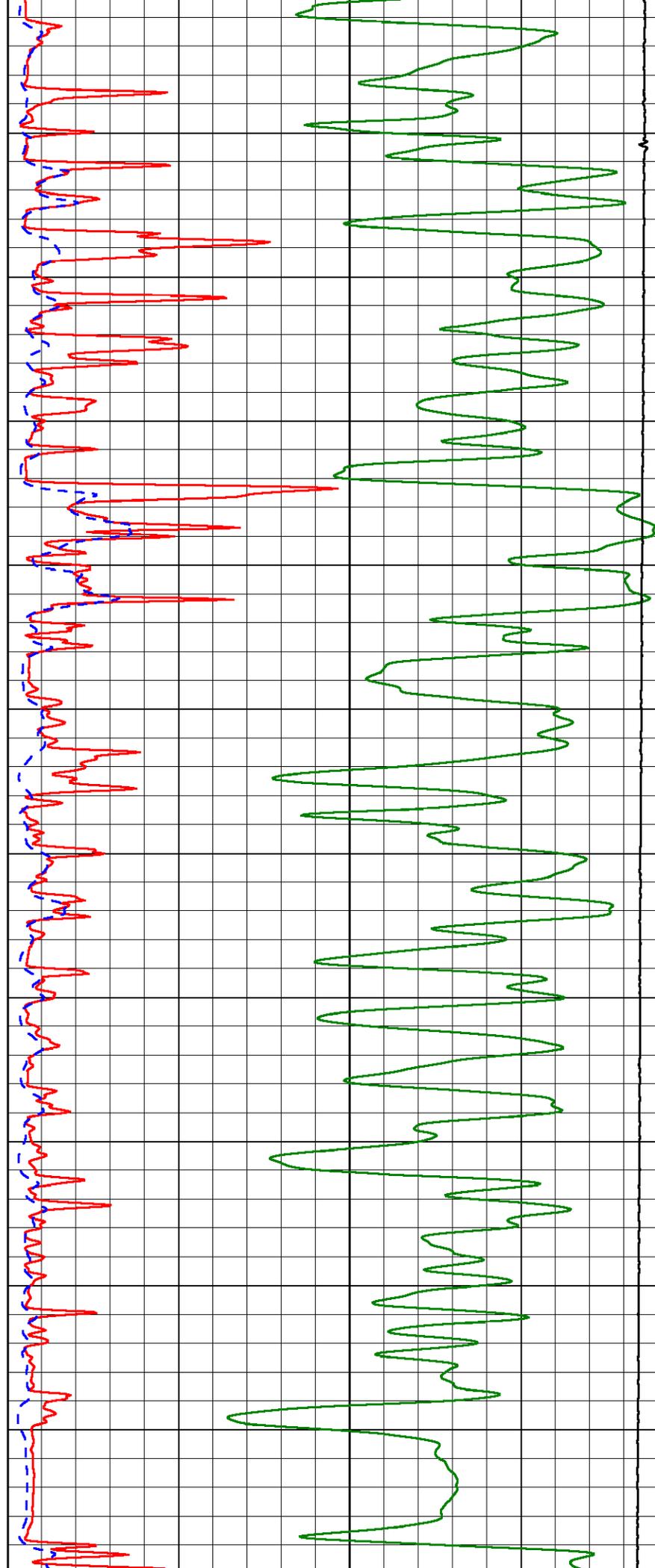


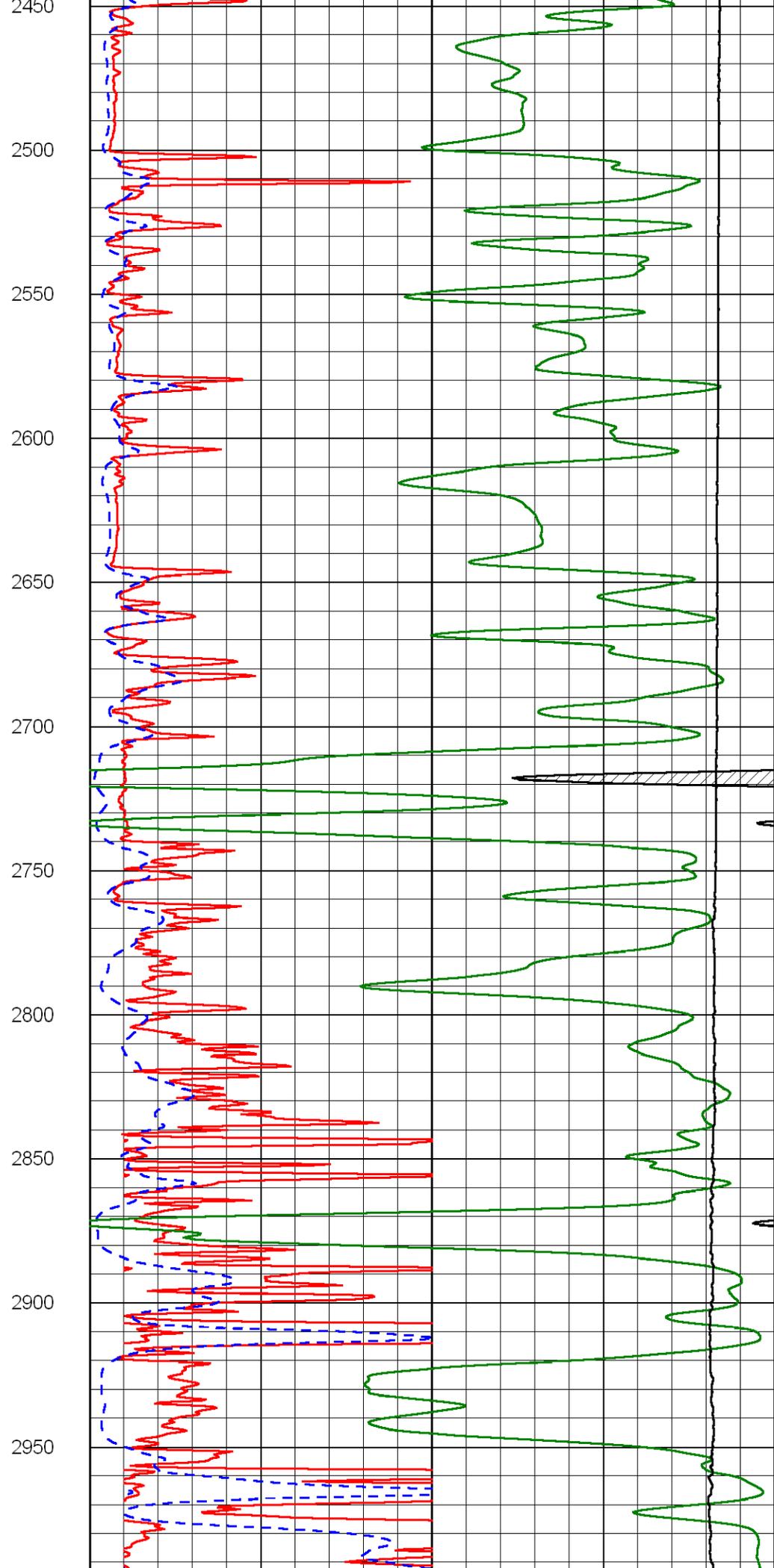
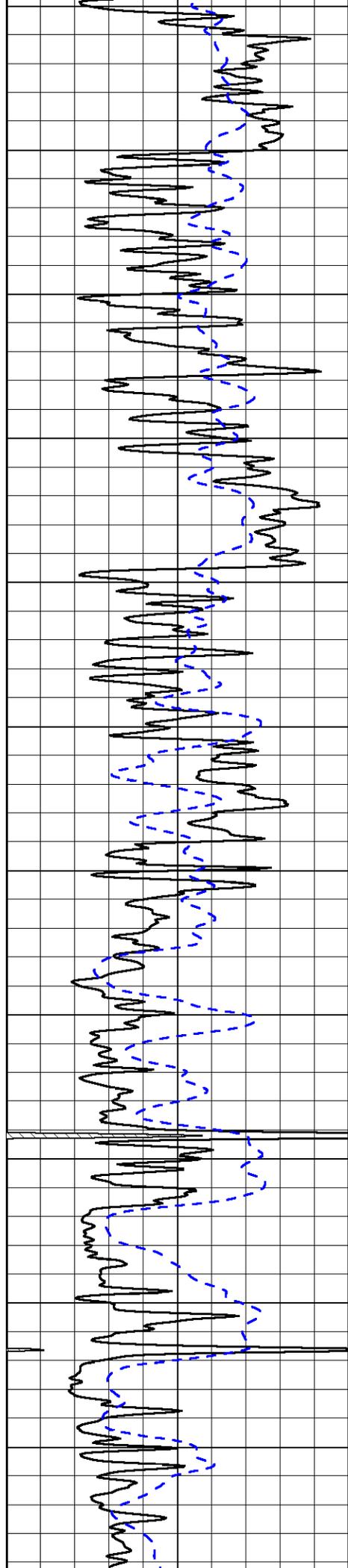


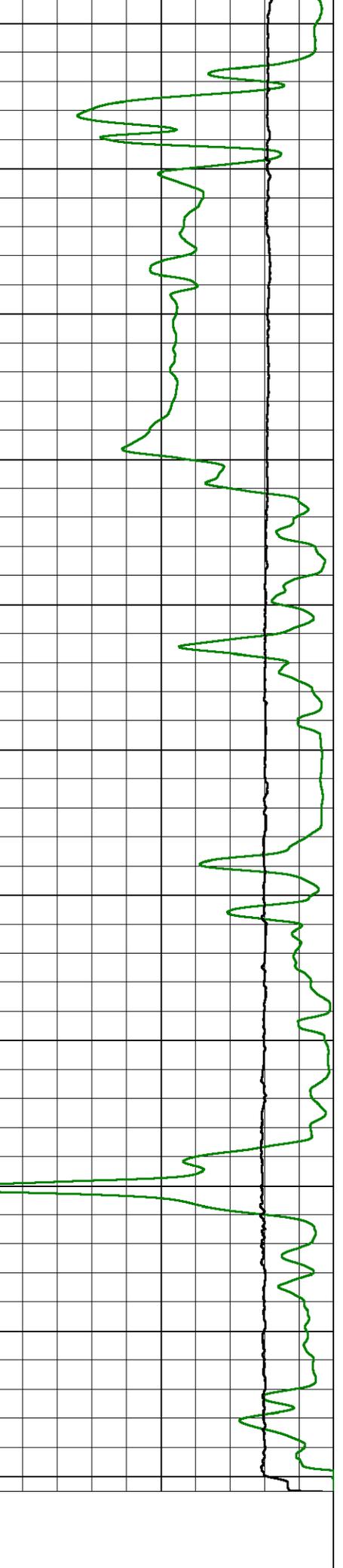
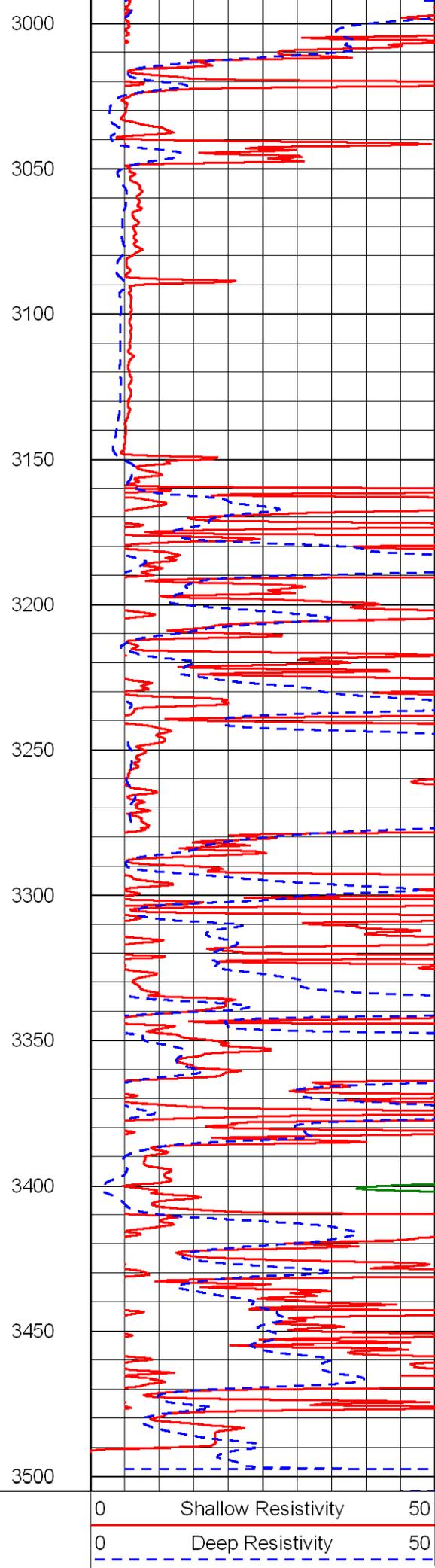
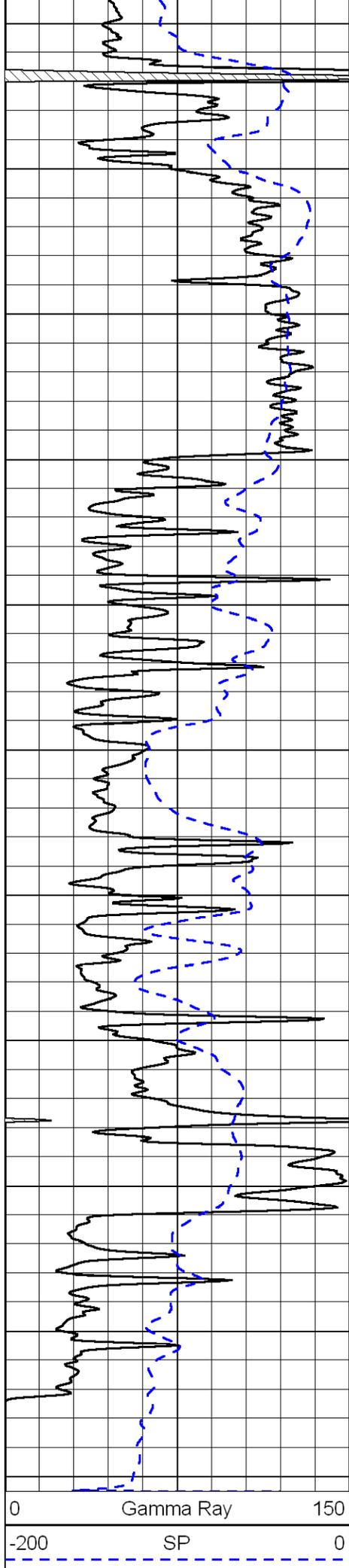




1950
2000
2050
2100
2150
2200
2250
2300
2350
2400







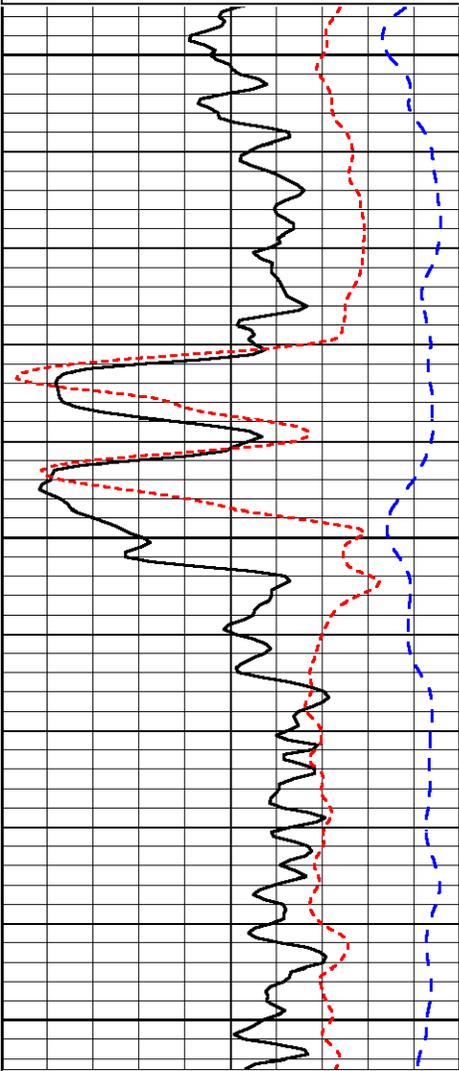
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File: h&b_salem_v_1hd.db
 Dataset Pathname: dil/hbstck
 Presentation Format: dil
 Dataset Creation: Wed Oct 24 13:26:25 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

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

LSPD

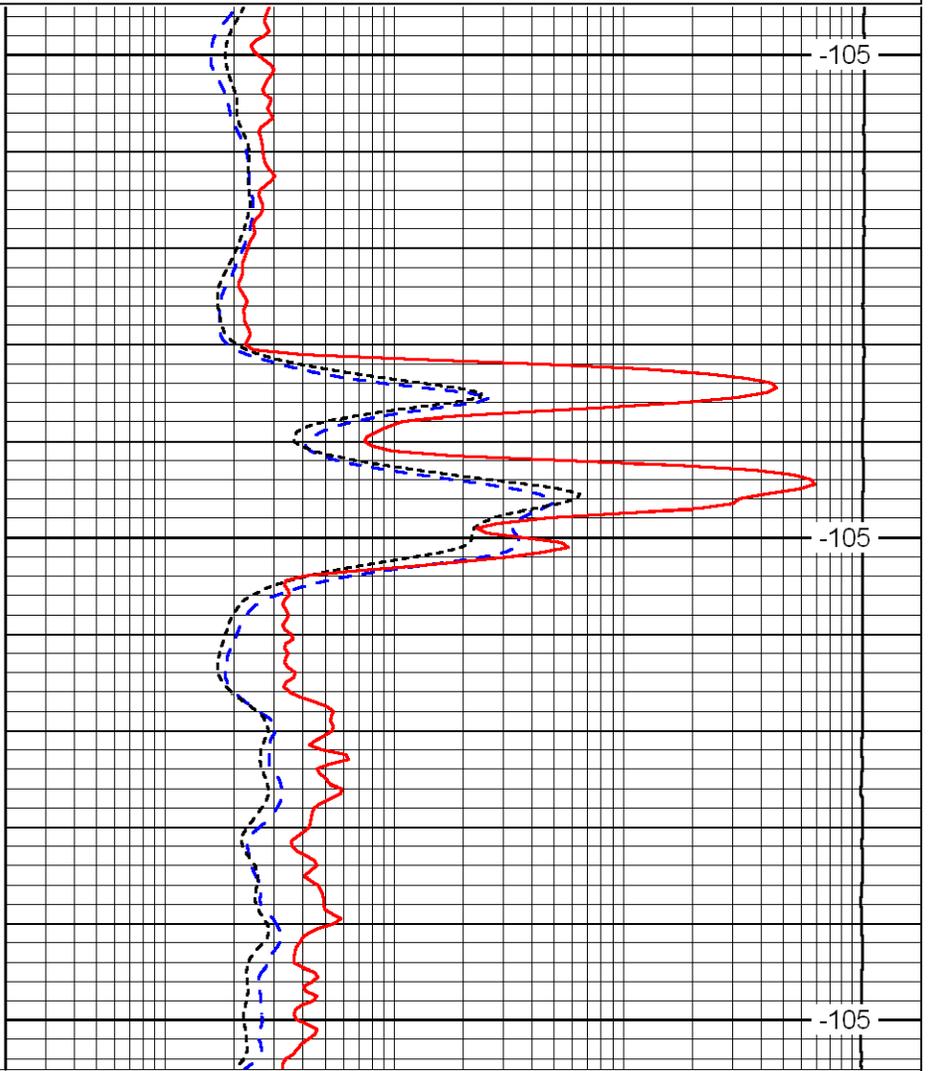


550

600

650

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



-105

-105

-105

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

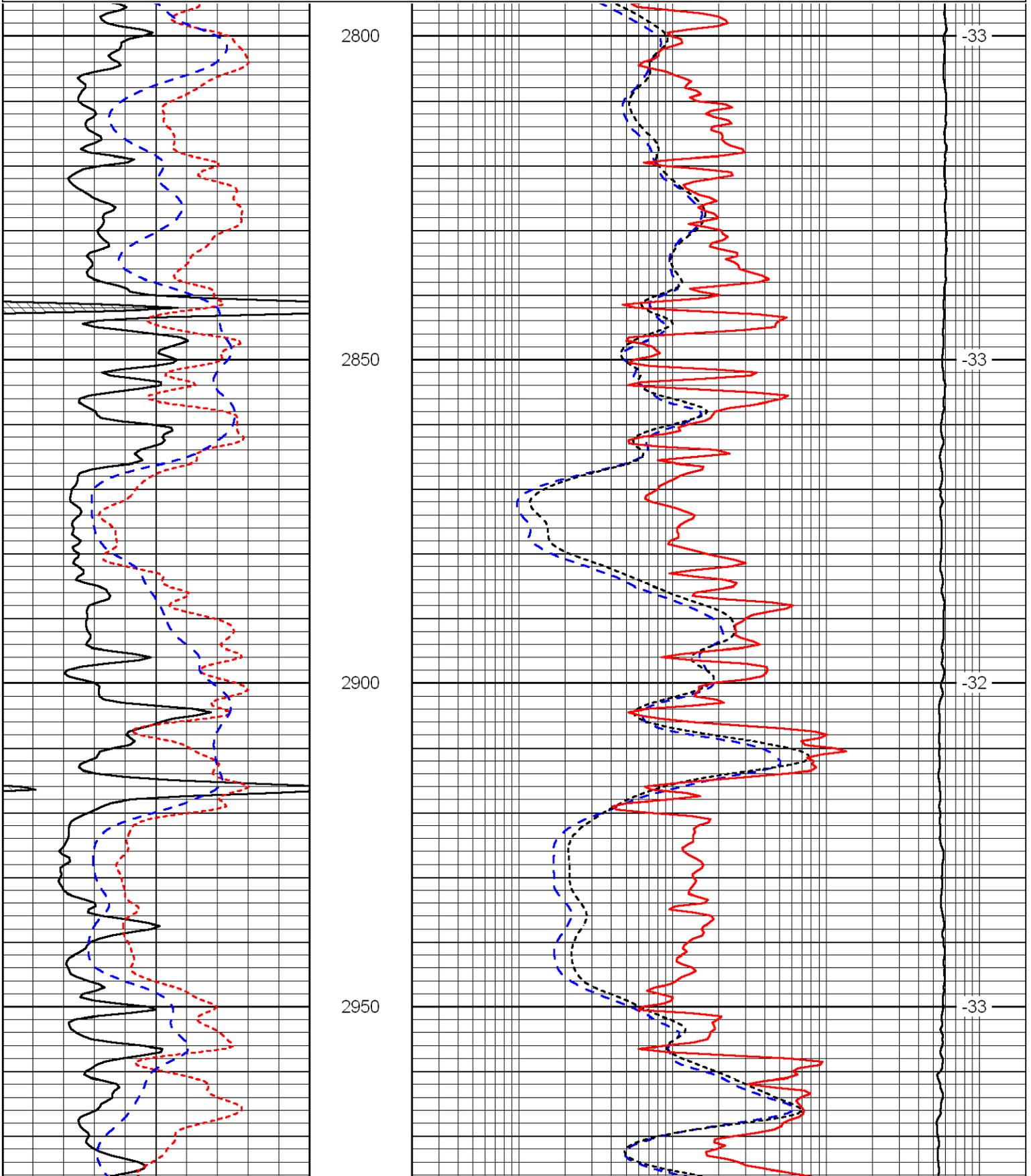
LSPD

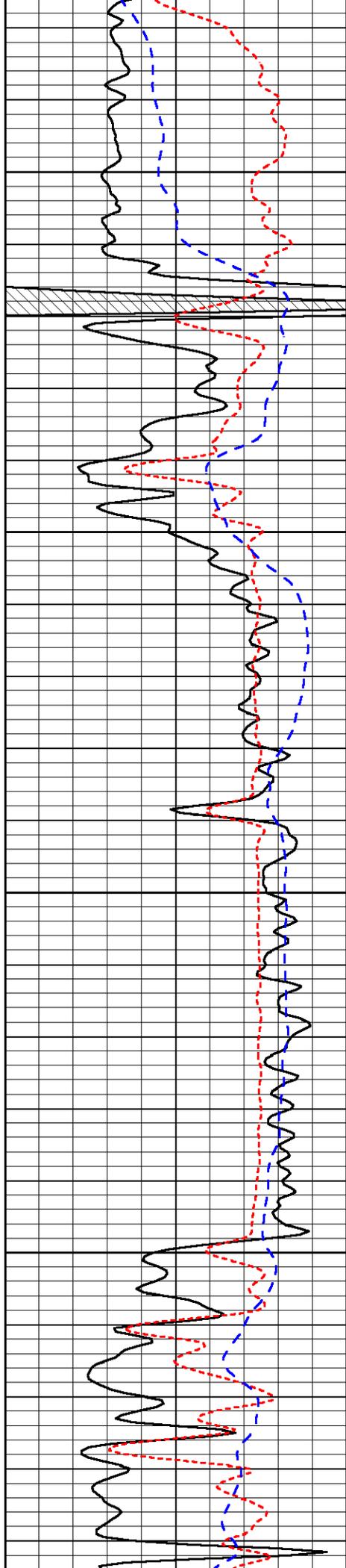
Database File: h&b_salem_v_1hd.db
 Dataset Pathname: dil/hbstck

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

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

LSPD



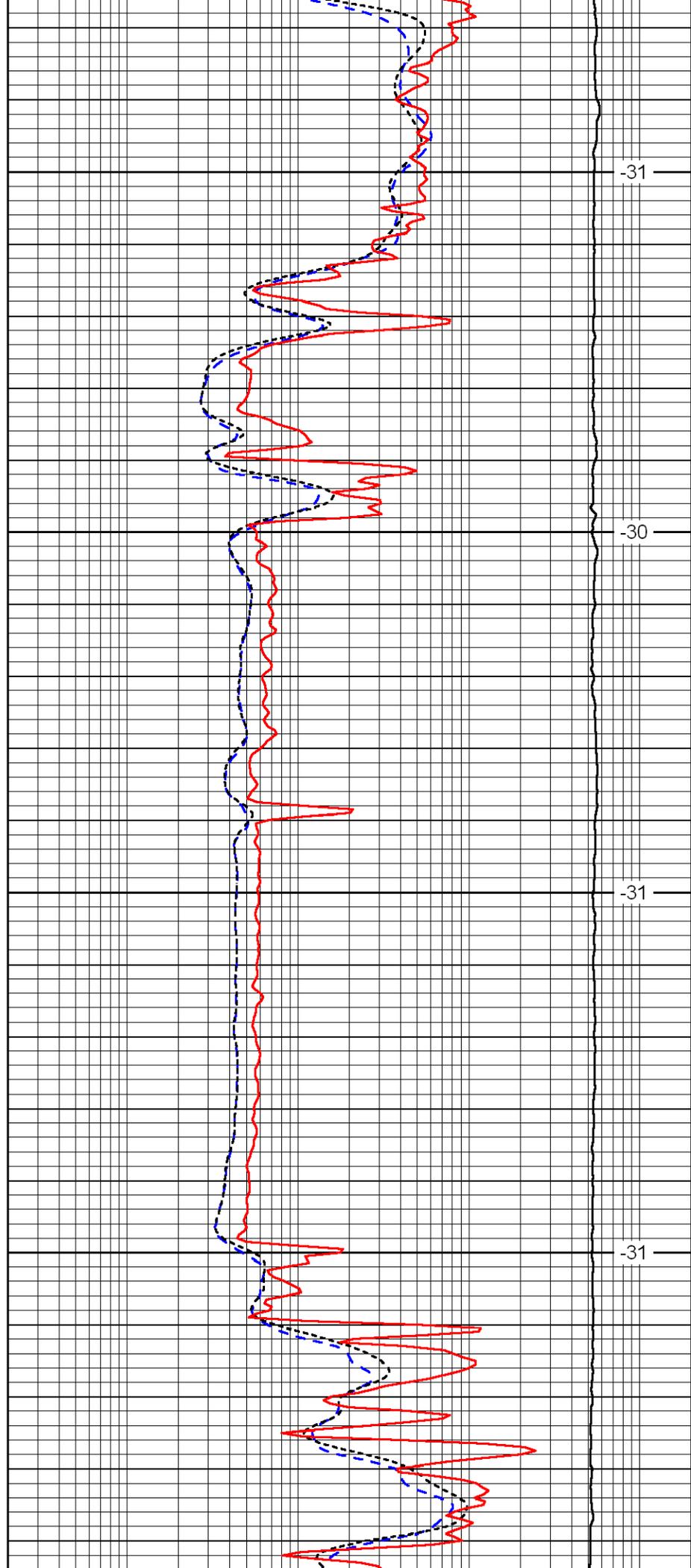


3000

3050

3100

3150

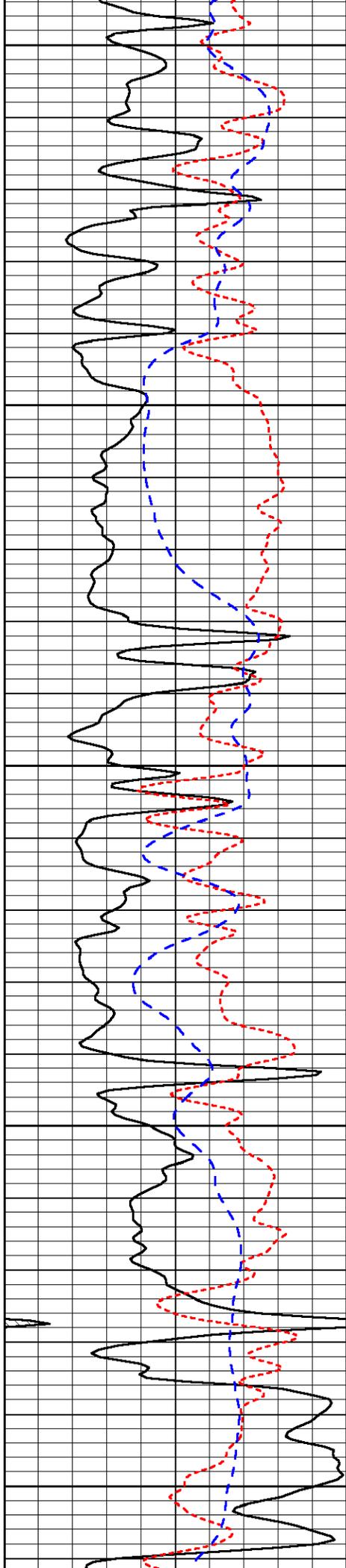


-31

-30

-31

-31



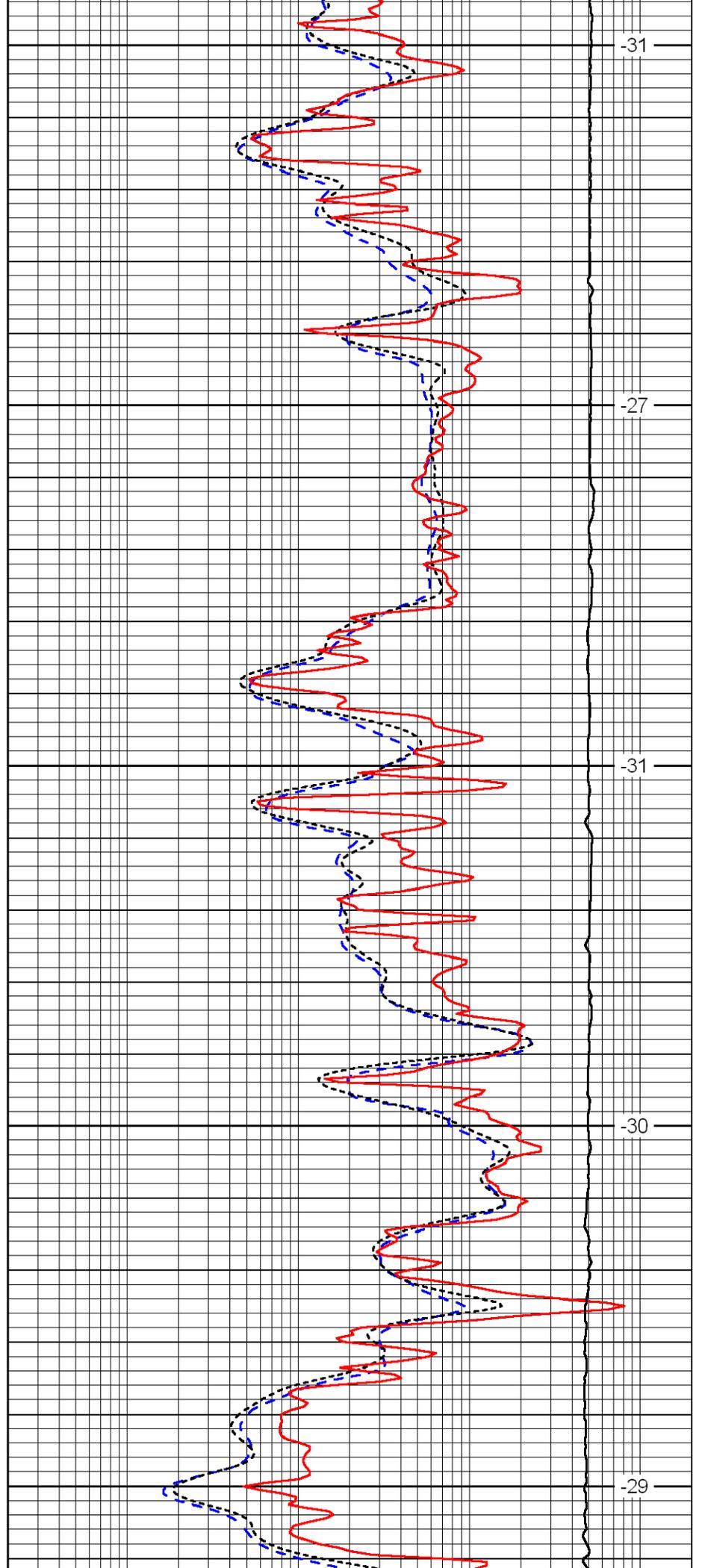
3200

3250

3300

3350

3400



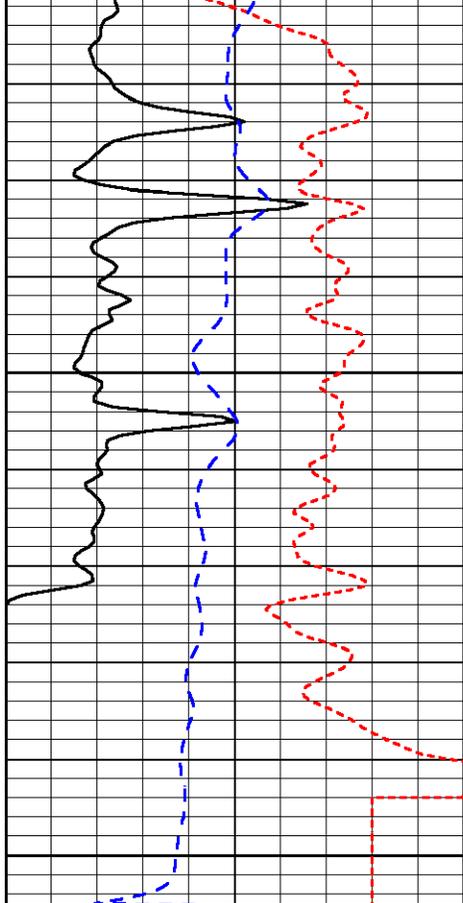
-31

-27

-31

-30

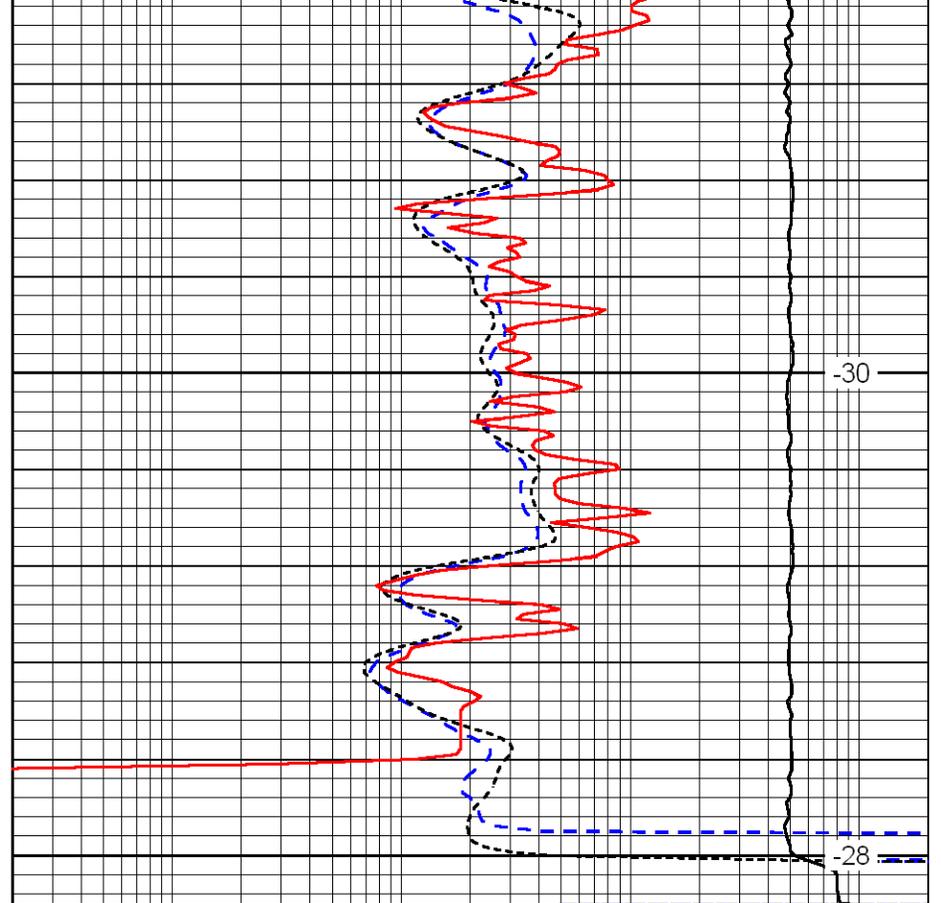
-29



0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

3450

3500



-30

-28

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

LSPD