



Dual Induction Log

Pioneer Energy Services

API No.	Company CG Oil, Inc.		
	Well S&J # 1		
	Field Sugarloaf Southeast		
	County Ellis	State	Kansas
	Location	N/2 NW SW NW/4 1,360' FNL & 330' FWL	
	Sec: 33	Twp: 13S	Rge: 17W
Permanent Datum	Ground Level	Elevation 2021	
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	
Drilling Measured From	From Kelly Bushing	K.B. 2029 D.F. 2021 G.L. 2021	
Date	7/14/2013		
Run Number	One		
Depth Driller	3645		
Depth Logger	3630		
Bottom Logged Interval	3629		
Top Log Interval	1200		
Casing Driller	8.625 @ 1242		
Casing Logger	1238		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1900		
Density / Viscosity	9.1 58		
pH / Fluid Loss	10.5 6.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	.50 @ 86		
Rmf @ Meas. Temp	.38 @ 86		
Rmc @ Meas. Temp	.68 @ 86		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.38 @ 112		
Operating Rig Time	3 1/2 Hours		
Max Rec. Temp. F	112		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Roger Fisher	Ron Schmidberger	

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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

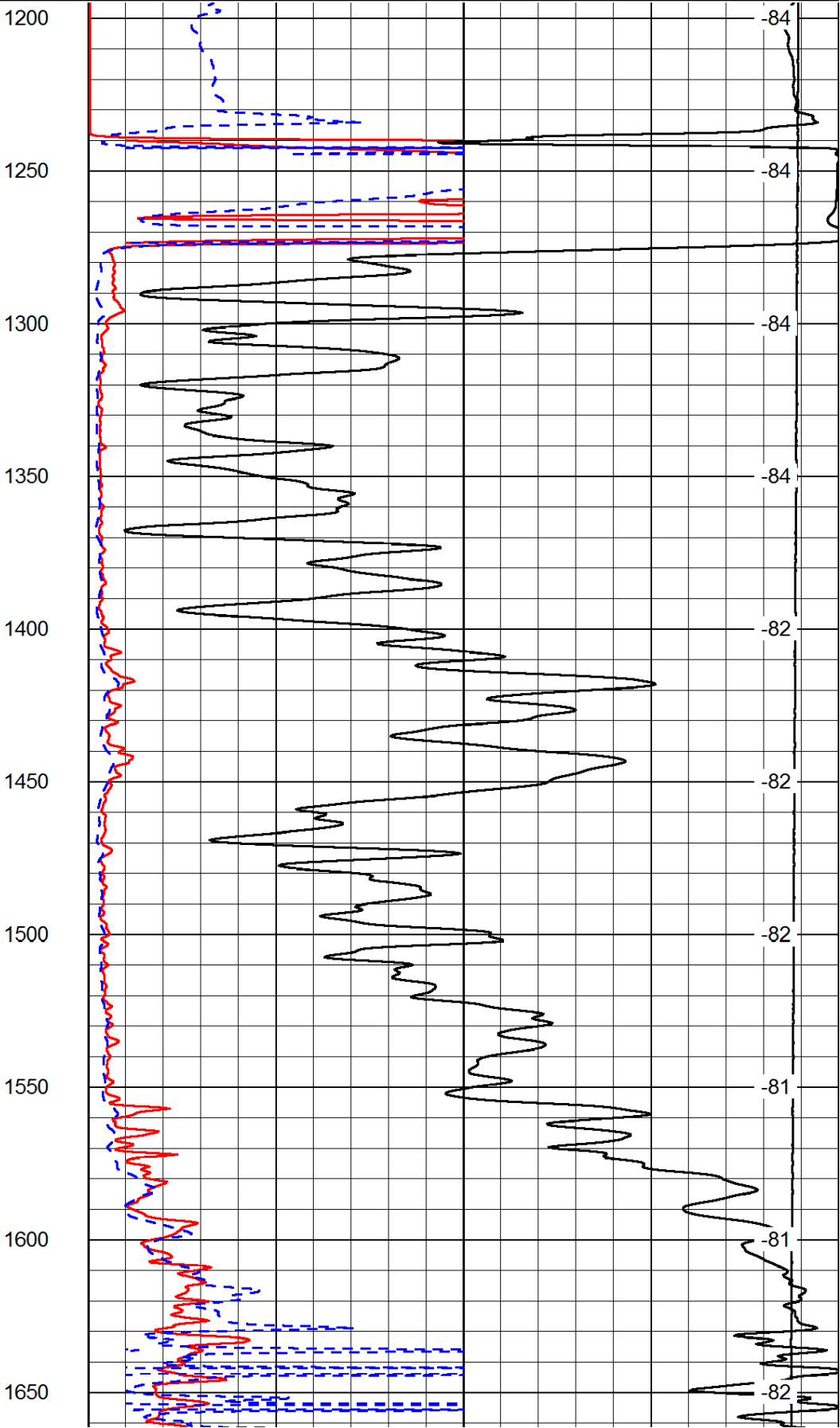
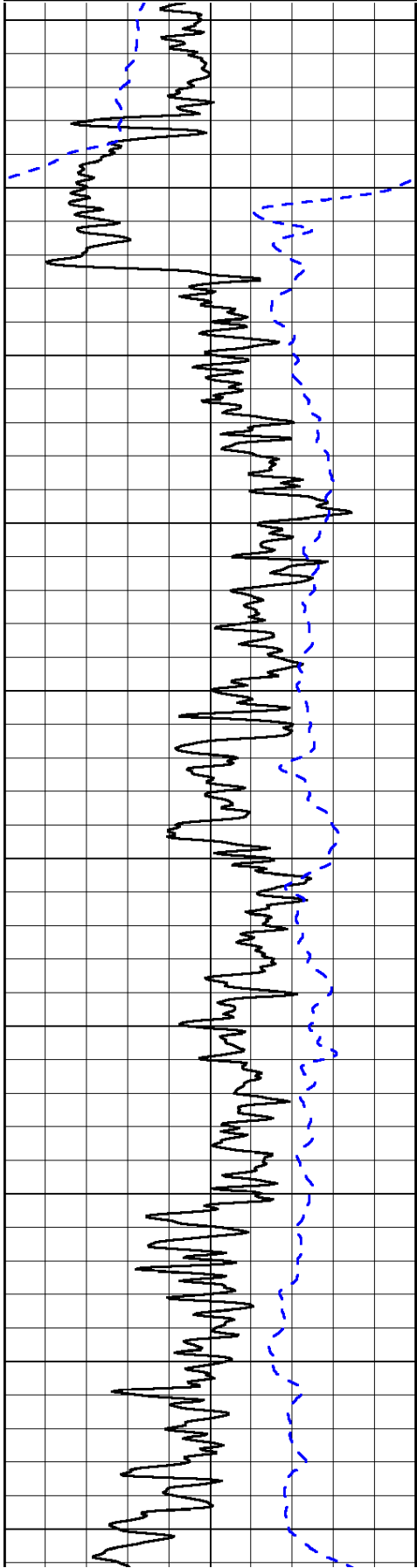
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

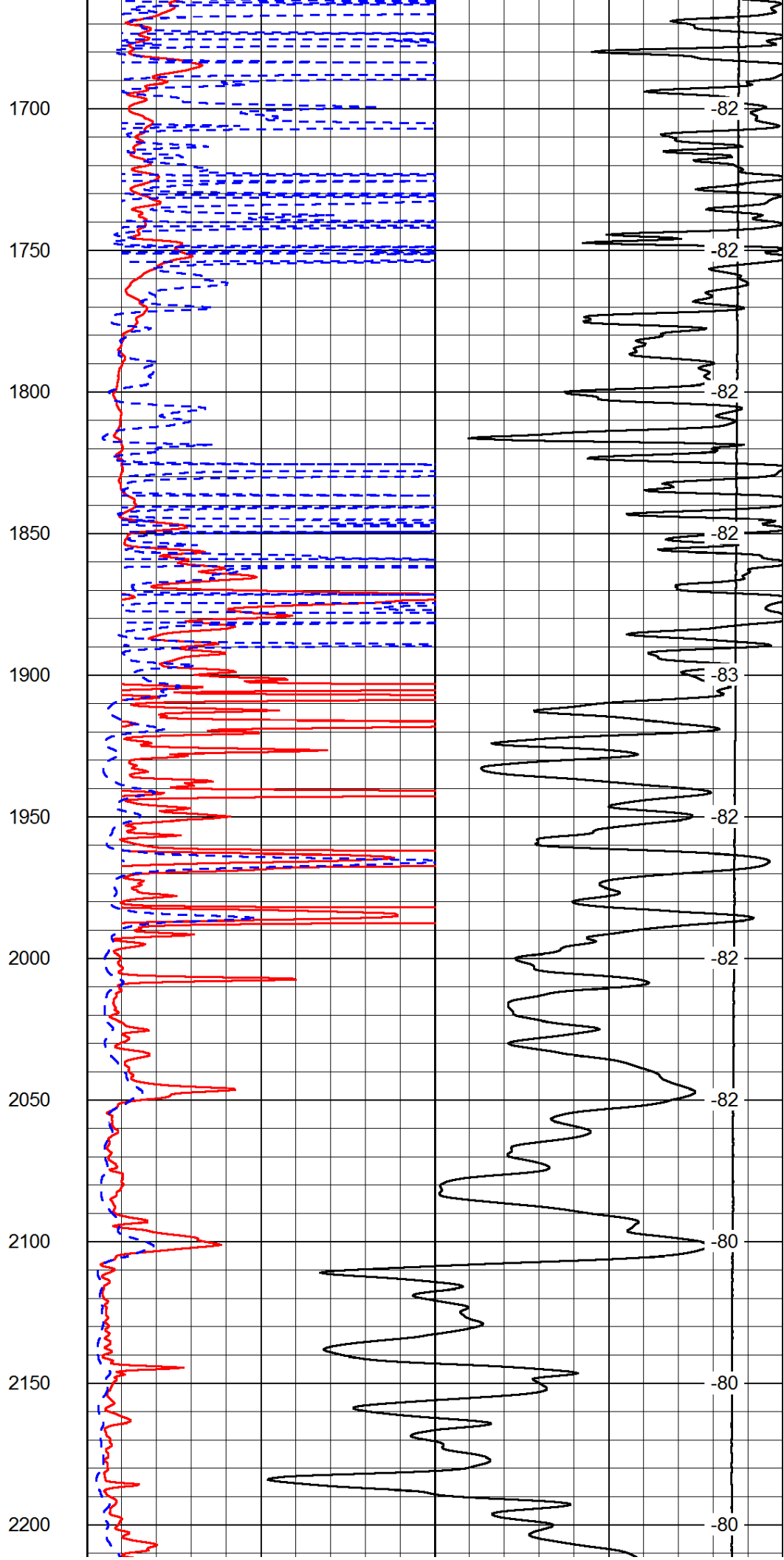
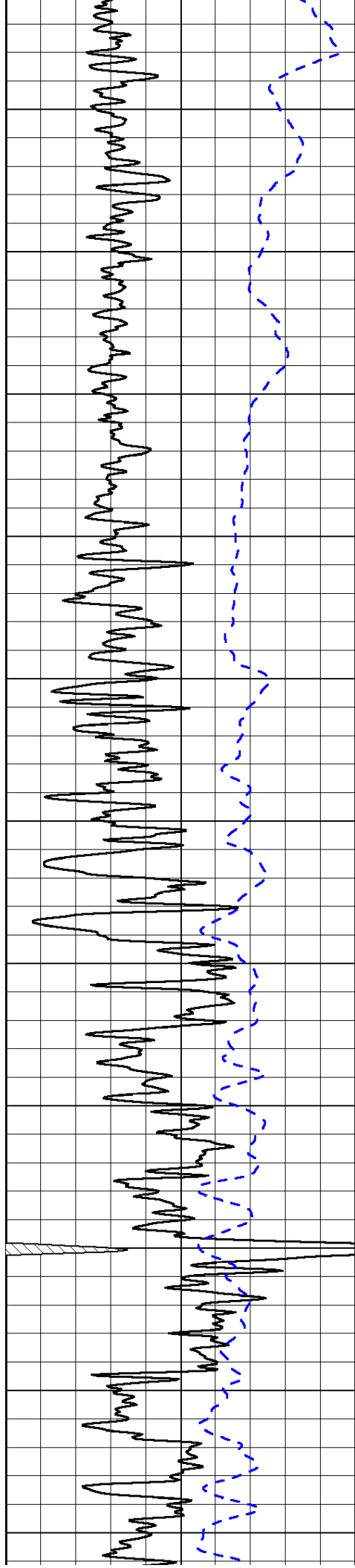
Intersection of Toulon Avenue and Airbase Road, 1 East, 1/2 South, East Into

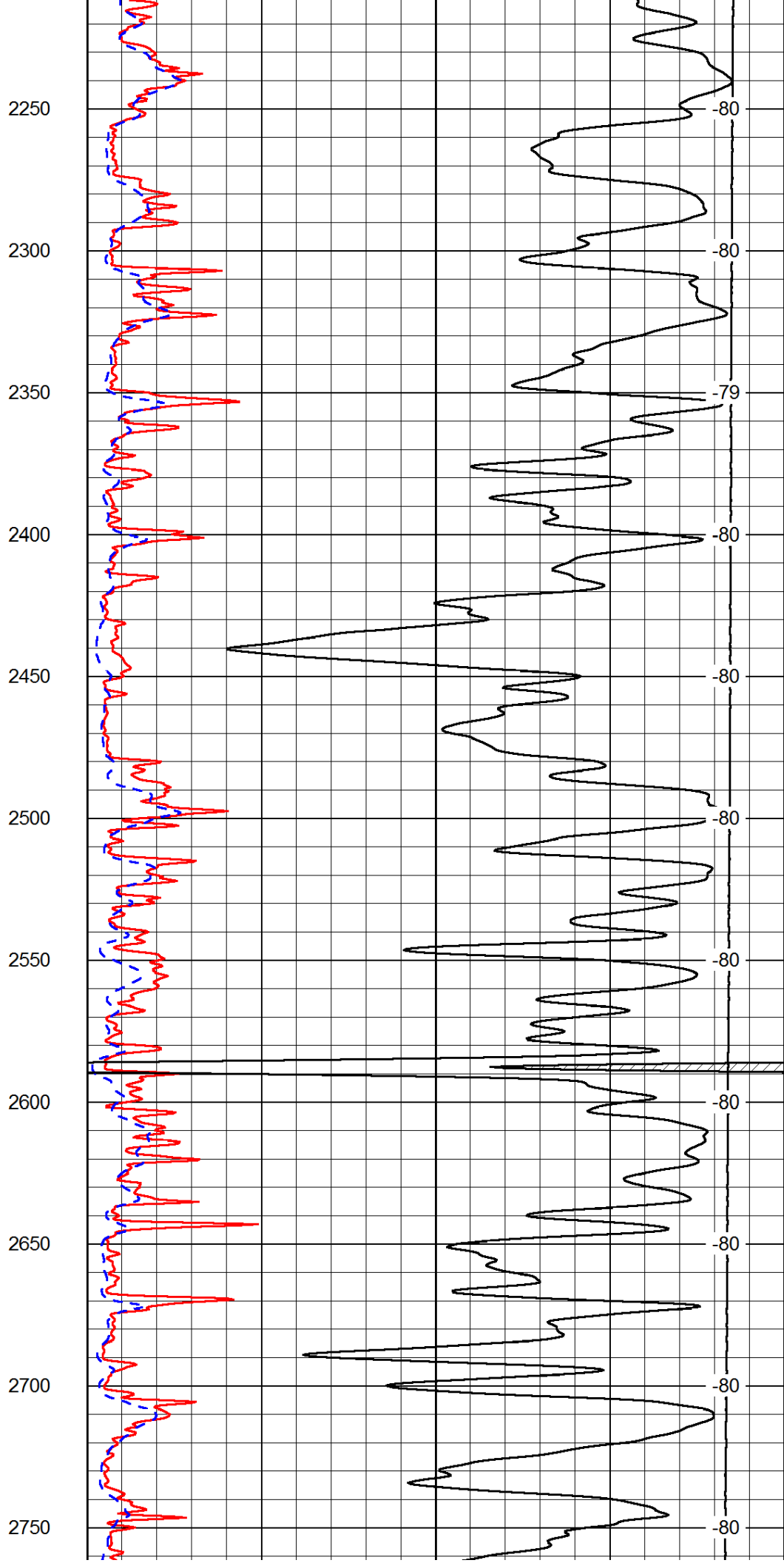
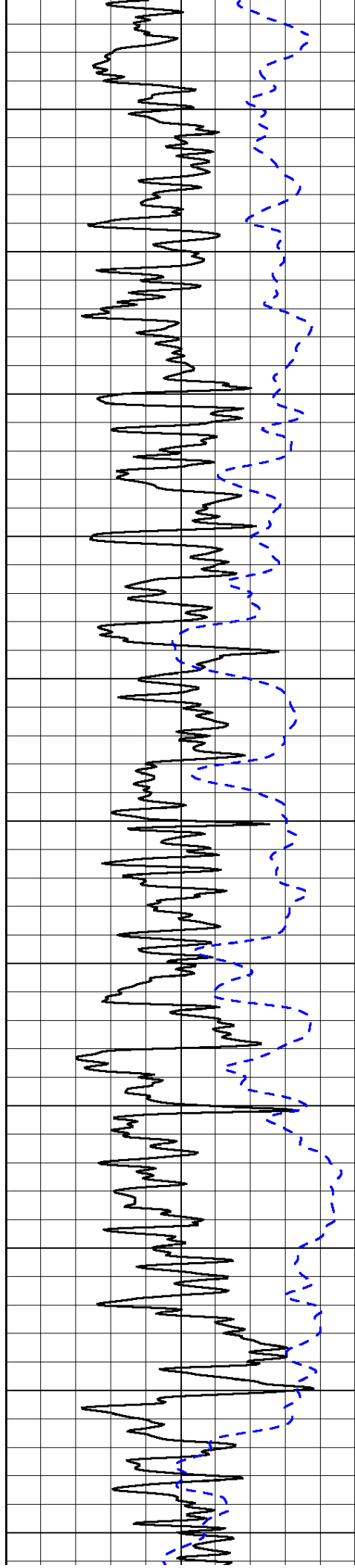
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Presentation Format: dil2in
Dataset Creation: Sun Jul 14 03:05:46 2013
Charted by: Depth in Feet scaled 1:600

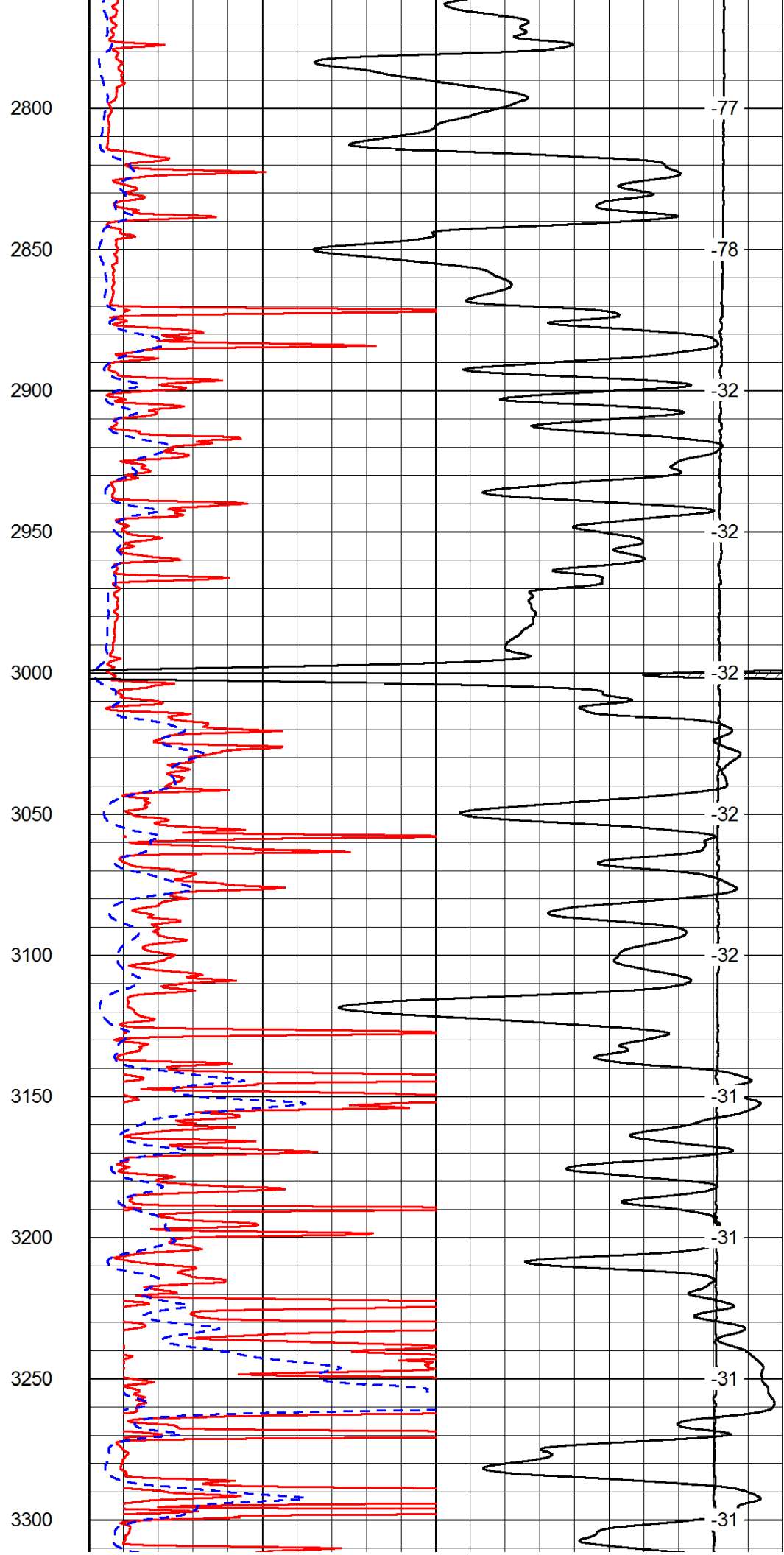
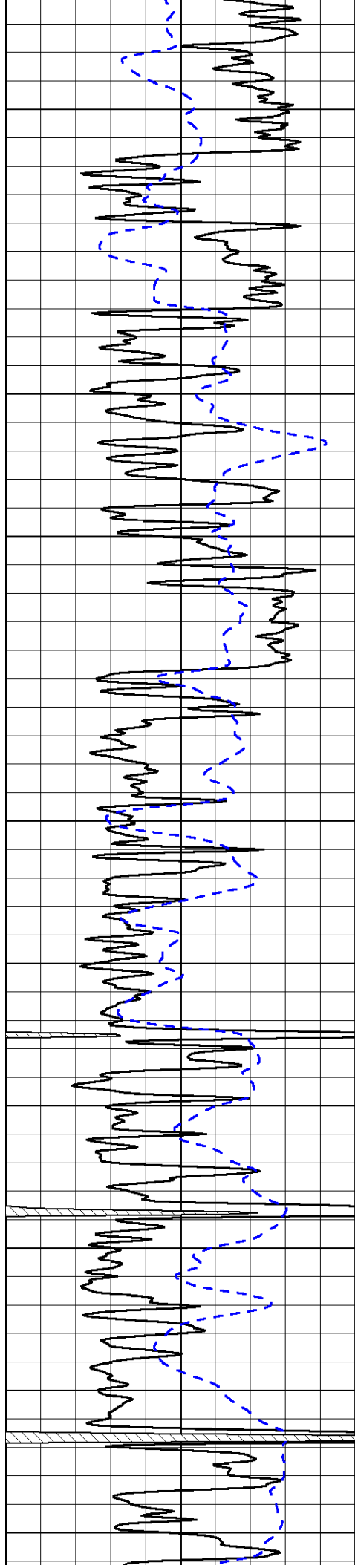
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-200	SP (mV)	0

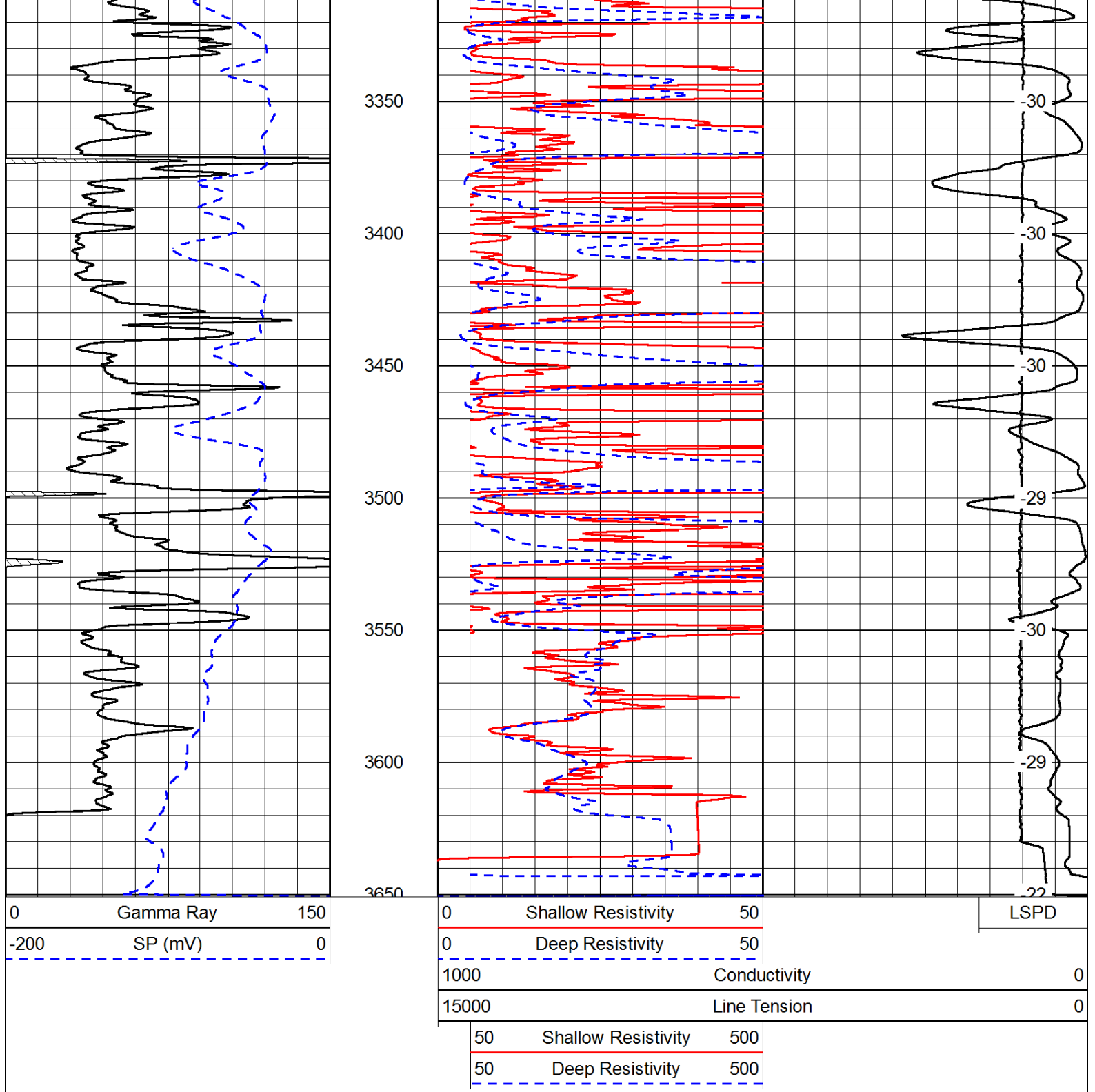
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	



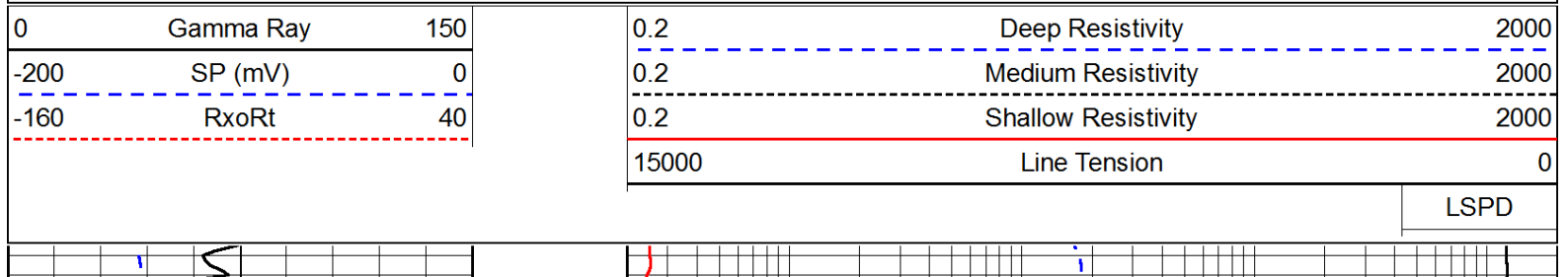


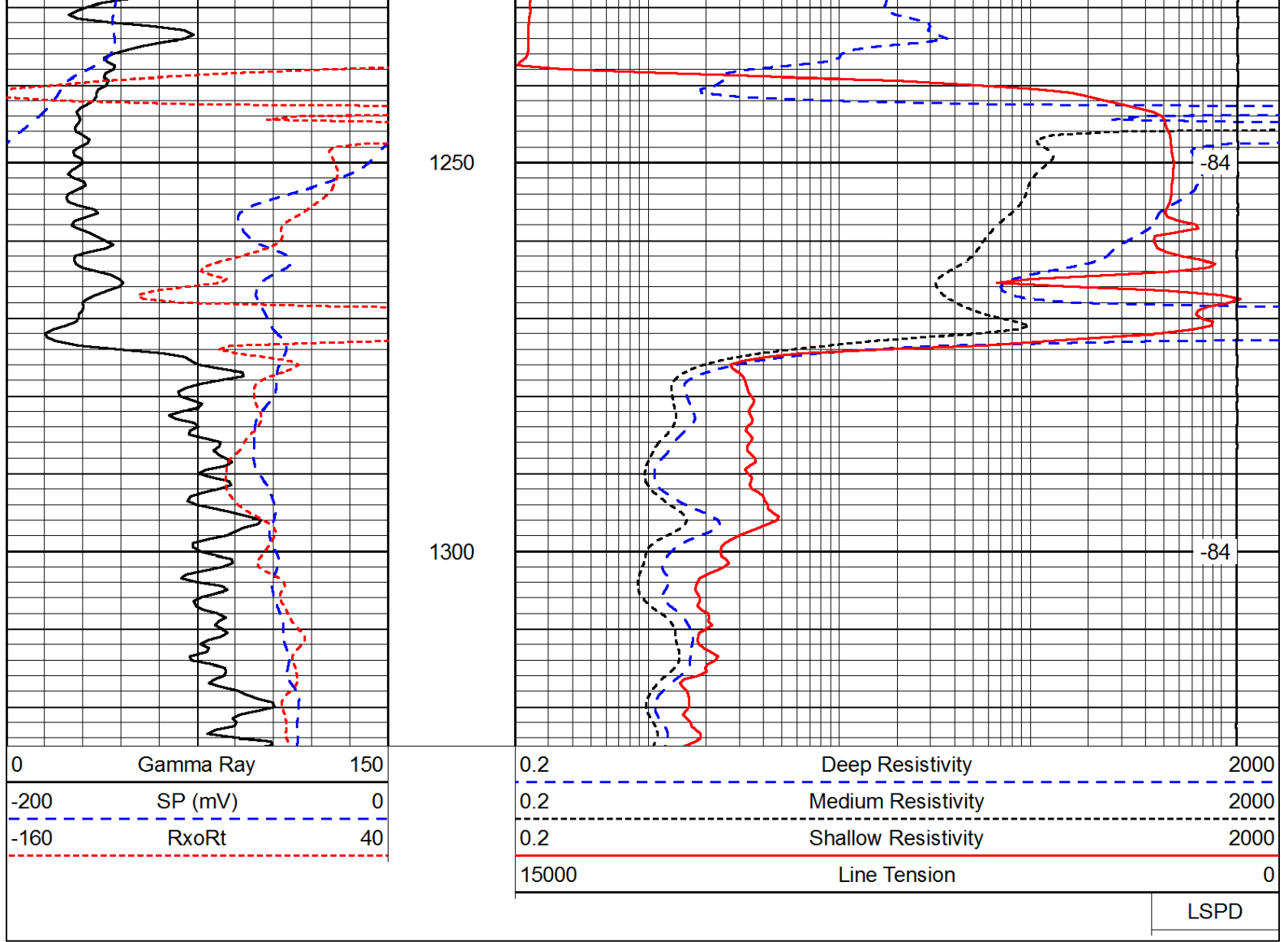




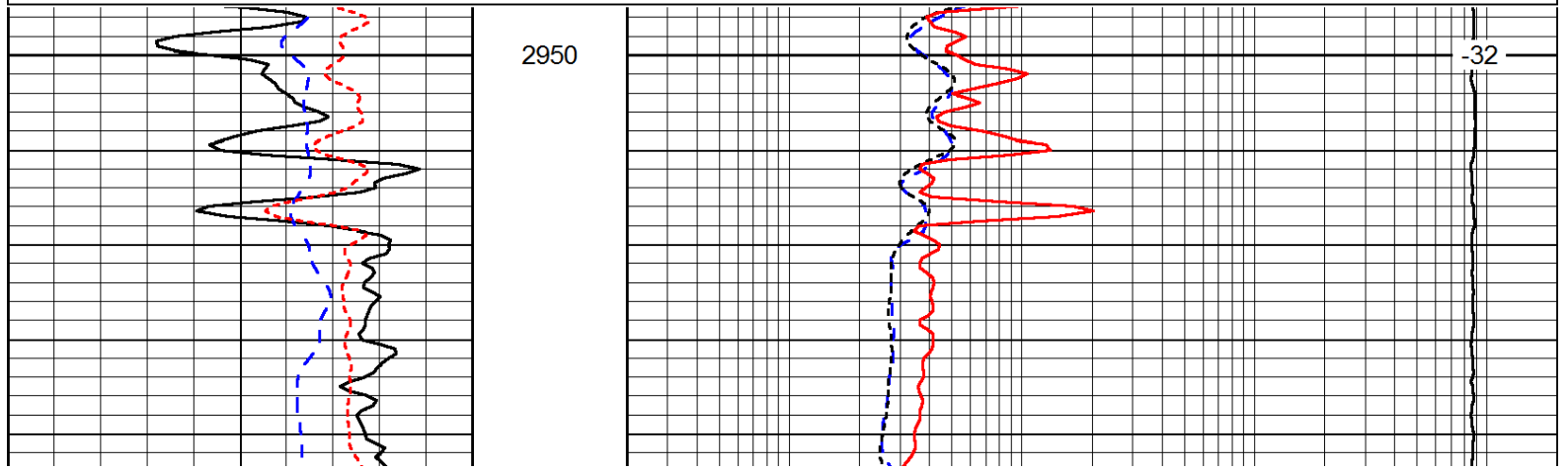
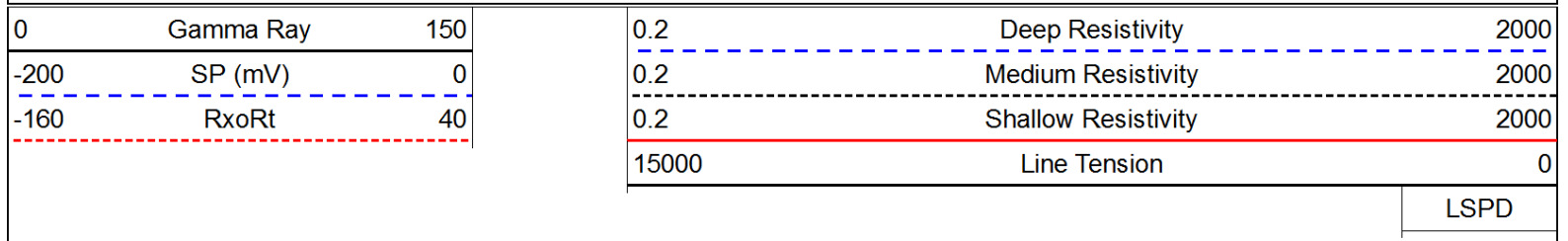


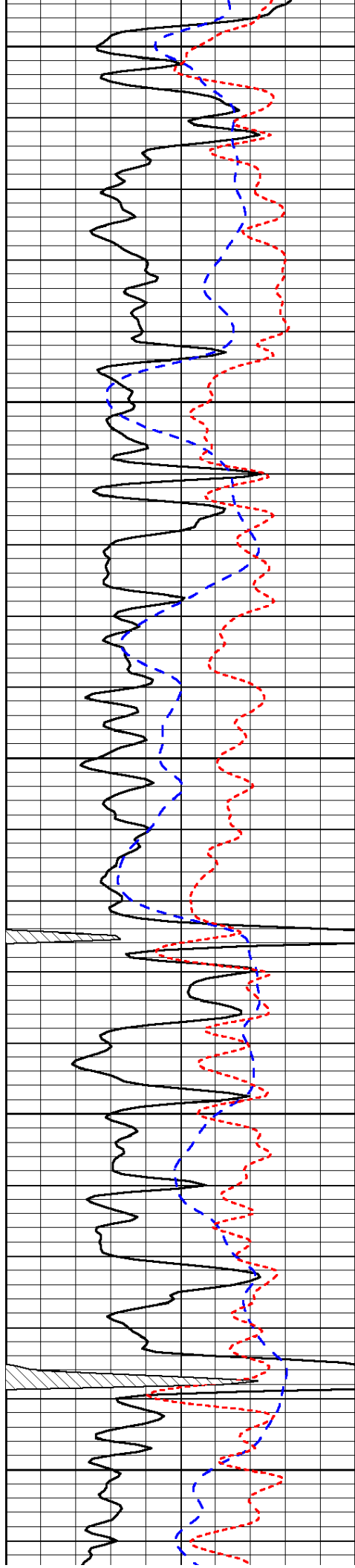
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 Dataset Creation: Sun Jul 14 03:05:46 2013
 Charted by: Depth in Feet scaled 1:240





Database File: c:\warrior\data\c g oil_s&j # 1\cgoil_s&j_1hd.db
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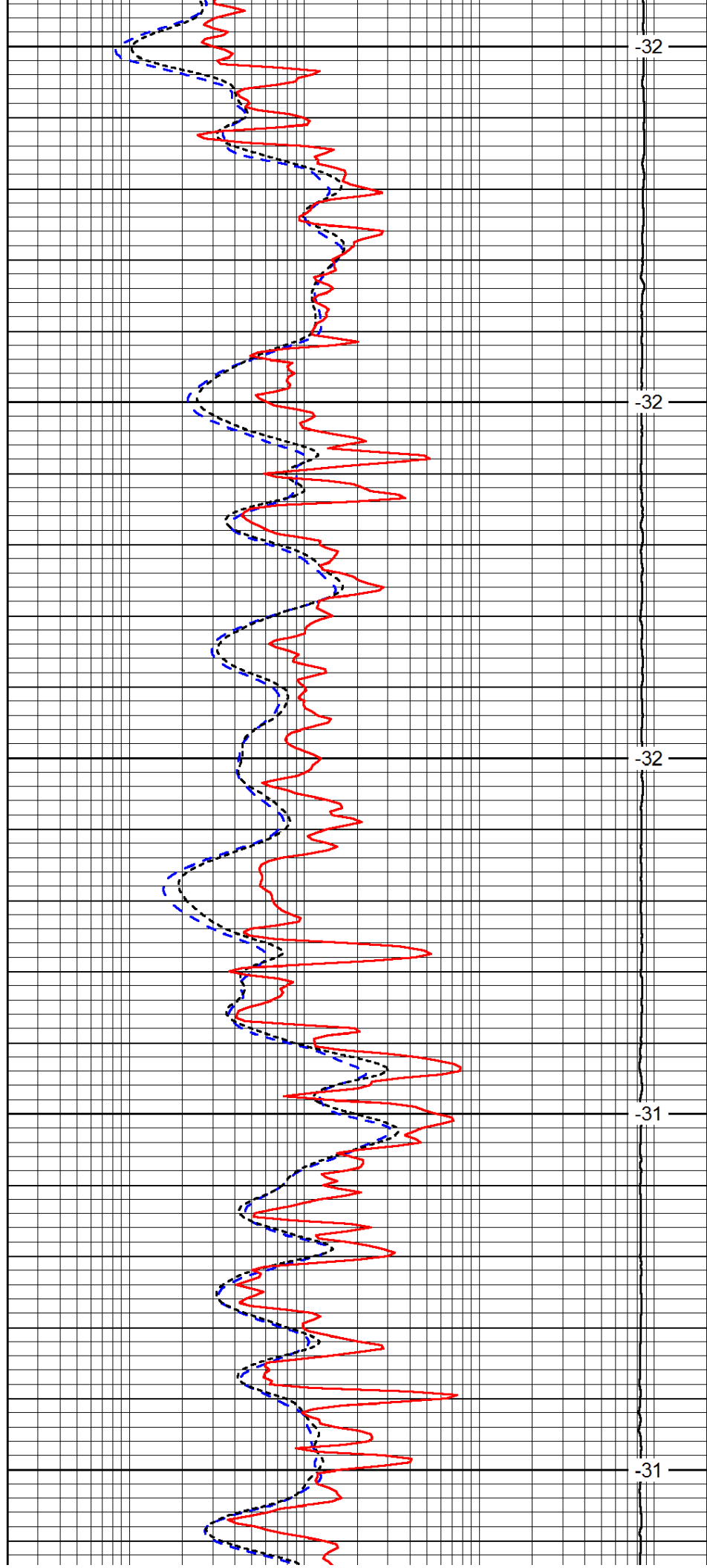
3000

3050

3100

3150

3200



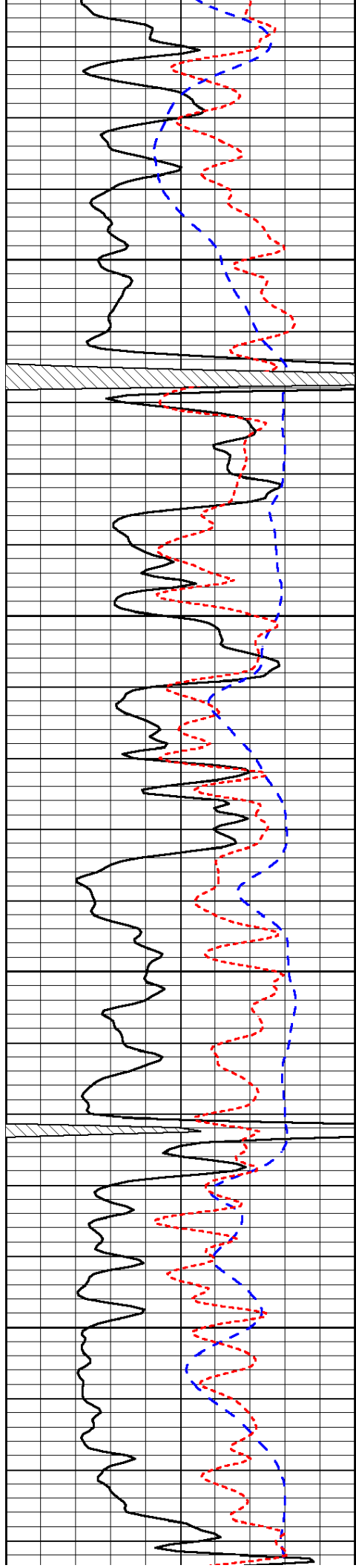
-32

-32

-32

-31

-31

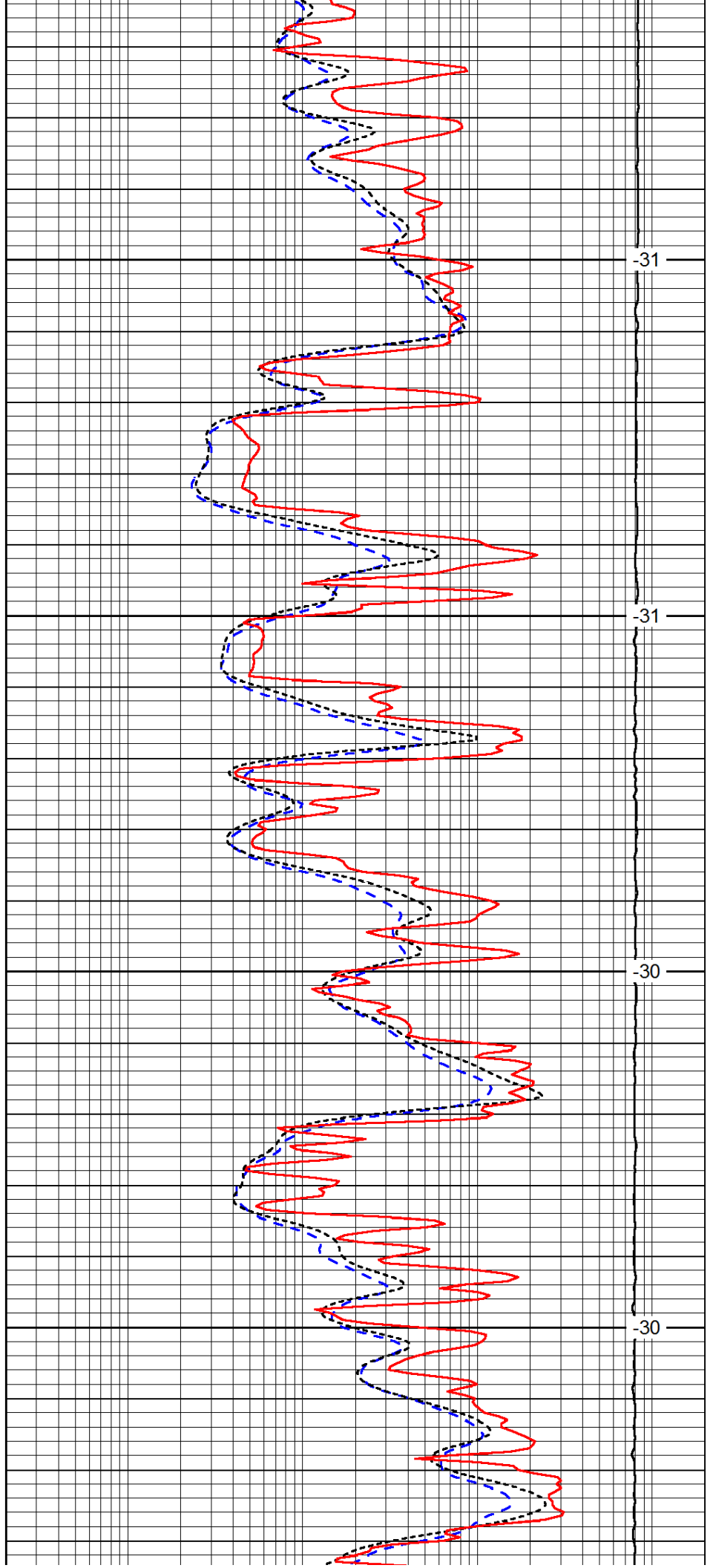


3250

3300

3350

3400

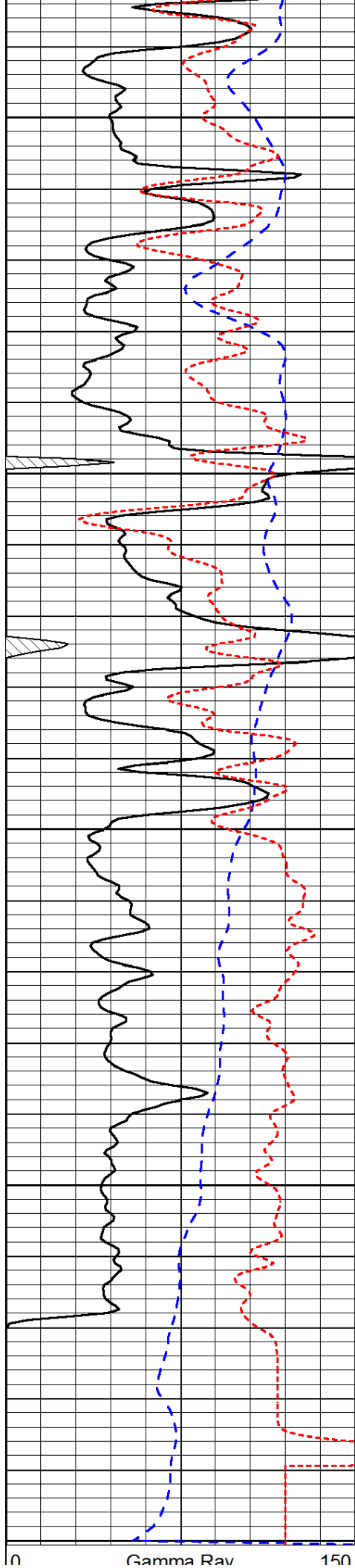


-31

-31

-30

-30



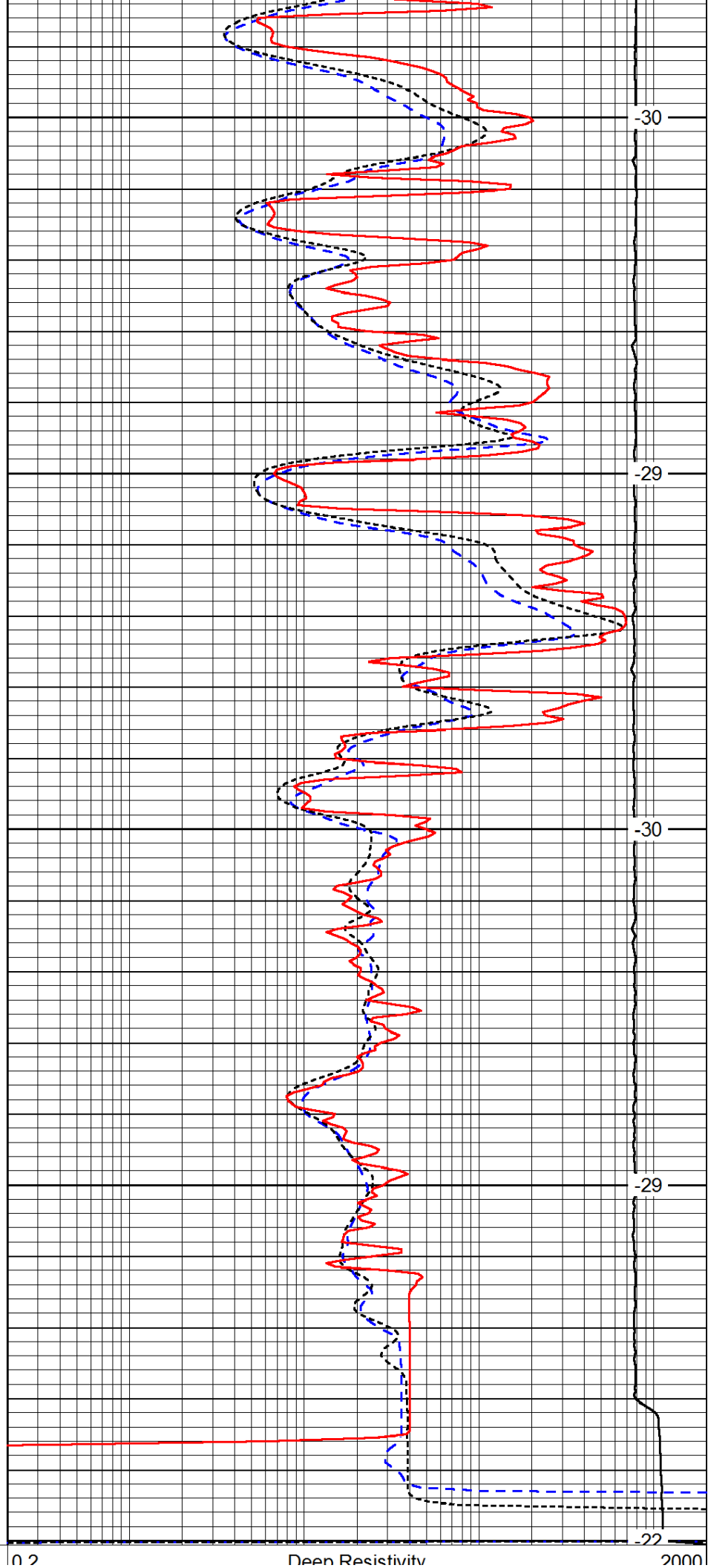
3450

3500

3550

3600

3650



-30

-29

-30

-29

-22

0	Gamma Ray	100
-200	SP (mV)	0
-160	RxoRt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0
		LSPD