



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company H&C Oil Operating, Inc.		
15-065-23629-00-00	Well Kraus # 18-1		
	Field Unknown		
	County Graham	State	Kansas
	Location SW - NE - NW - SW 2150' FSL & 700' FWL	Other Services CNL/CDL MEI/BHCS	
	Sec: 18	Twp: 8 S	Rge: 21 W
Permanent Datum	Ground Level	Elevation 2045	
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 2050 D.F. 2045 G.L. 2045	
Date	4/6/2010		
Run Number	One		
Depth Driller	3662		
Depth Logger	3663		
Bottom Logged Interval	3662		
Top Log Interval	250		
Casing Driller	8.625 @ 262		
Casing Logger	257		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1500		
Density / Viscosity	9.5 51		
pH / Fluid Loss	9.0 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.40 @ 65		
Rmf @ Meas. Temp	1.80 @ 65		
Rmc @ Meas. Temp	3.24 @ 65		
Source of Rmf / Rmc	Charts		
Rm @ BHT	1.39 @ 113		
Operating Rig Time	4-1/2 Hours		
Max Rec. Temp. F	113		
Equipment Number	15		
Location	Hays		
Recorded By	B. Becker		
Witnessed By	Marc Downing		

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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.

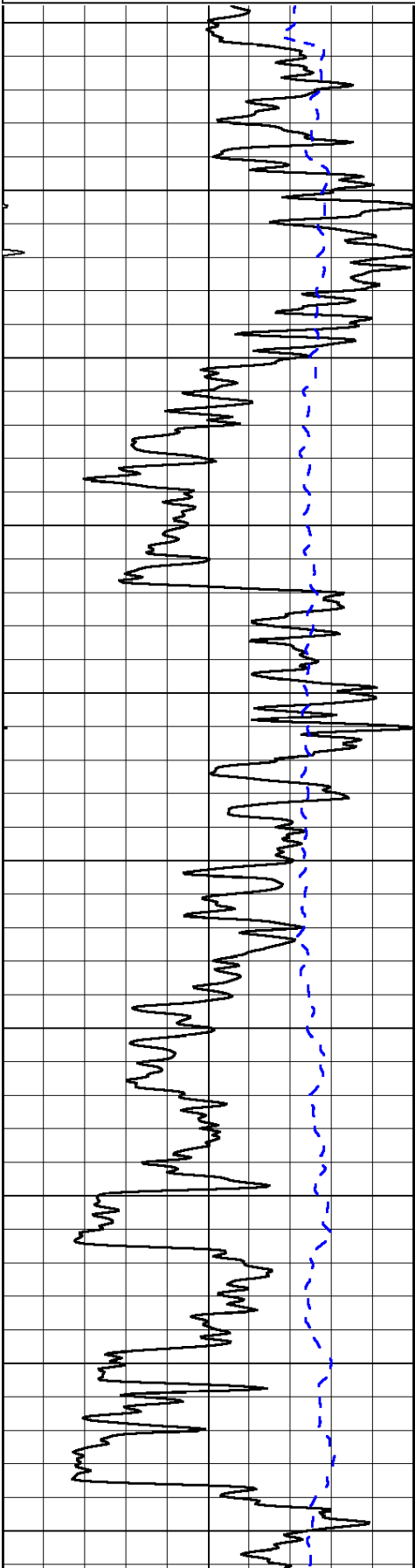
Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

Bogue, Ks; 1-1/2 West; South and East into

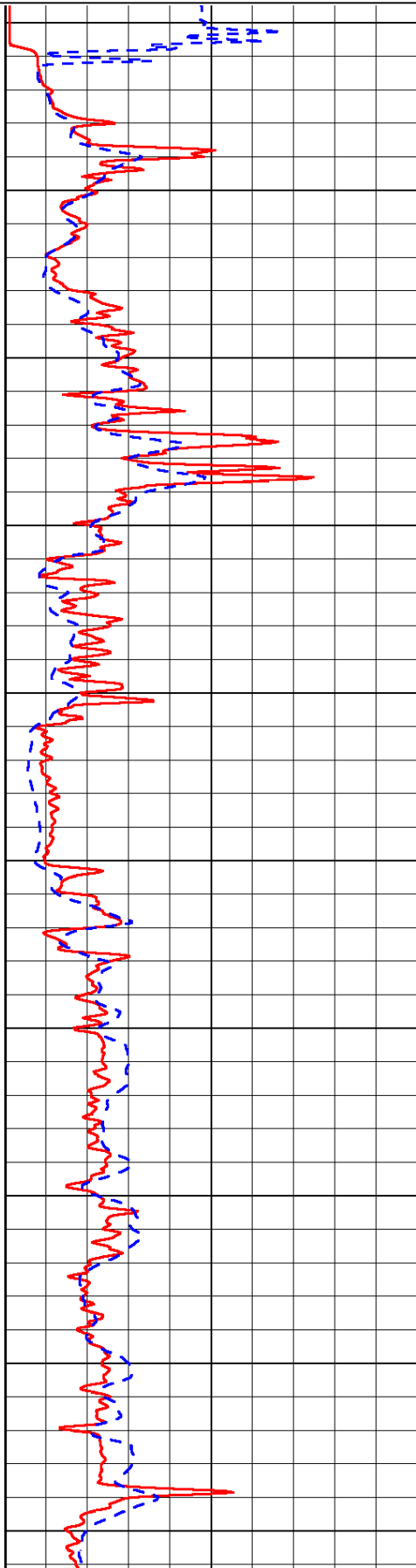
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Presentation Format: dil2in
Dataset Creation: Tue Apr 06 11:44:16 2010
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (mV)	0



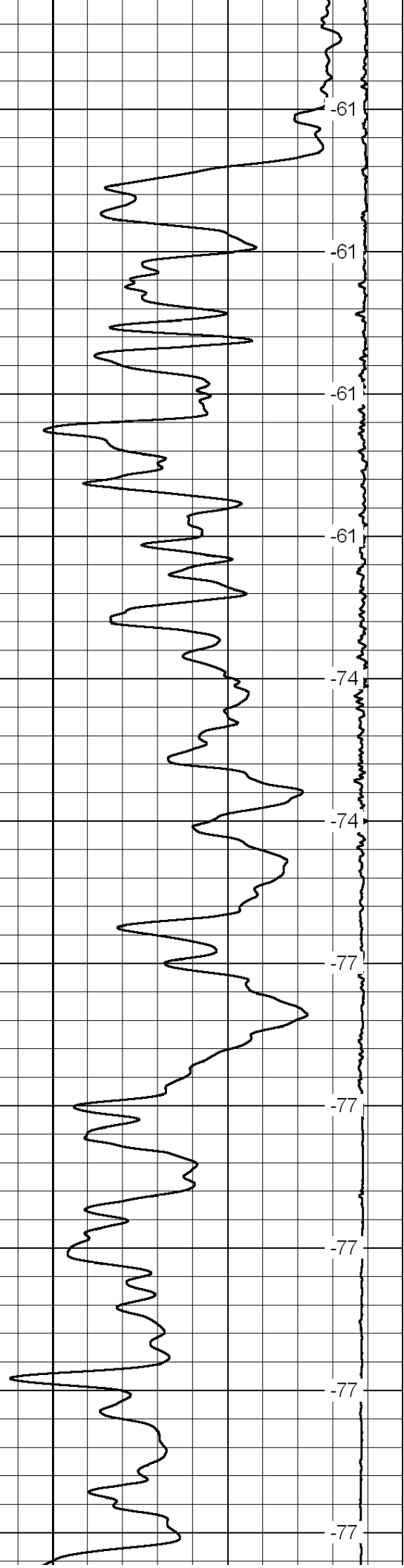
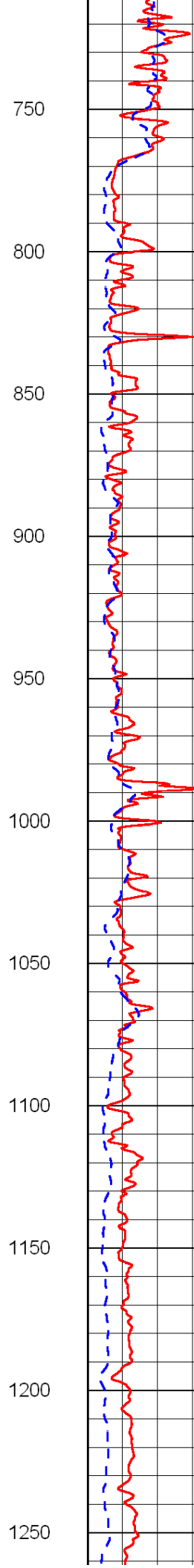
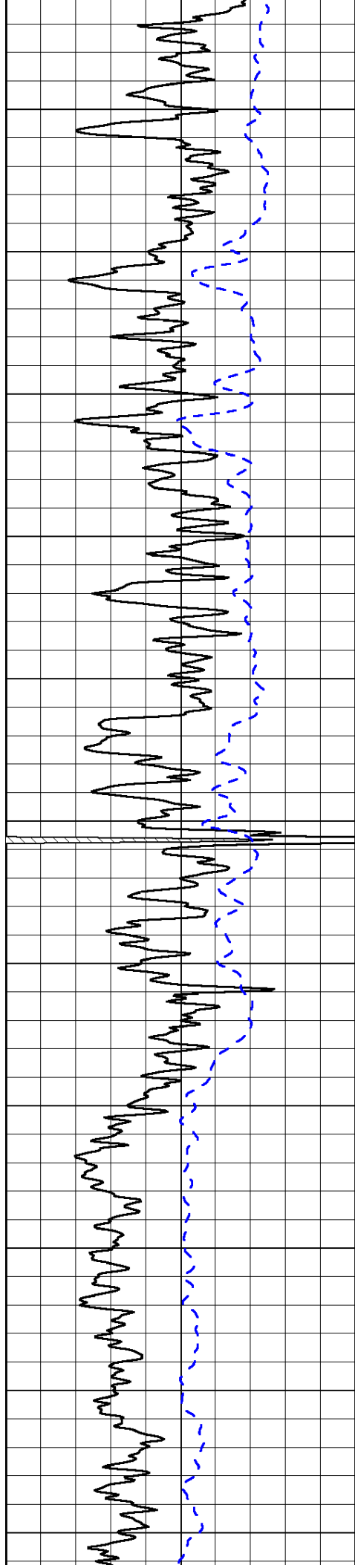
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0	Deep Resistivity	50

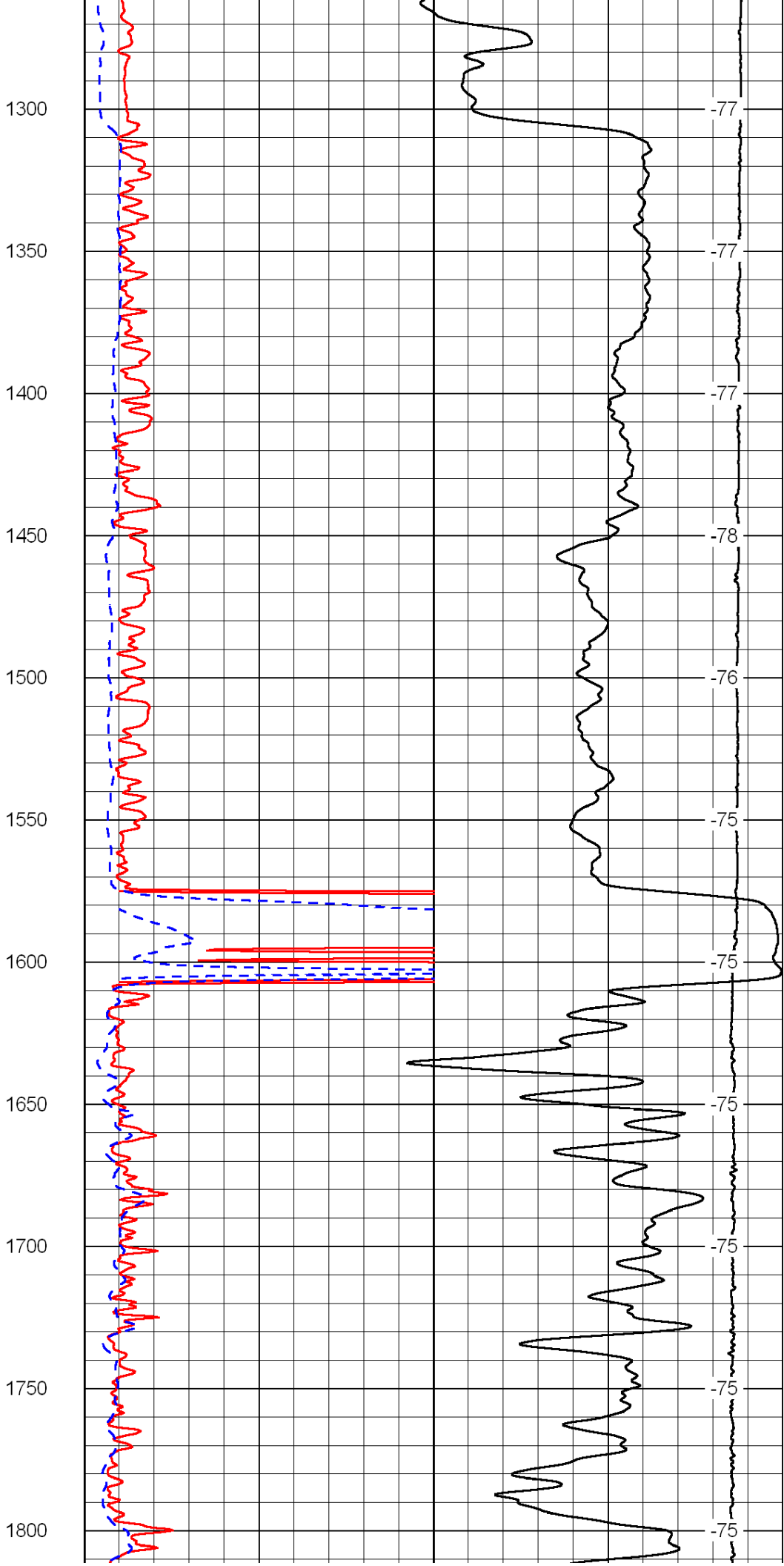
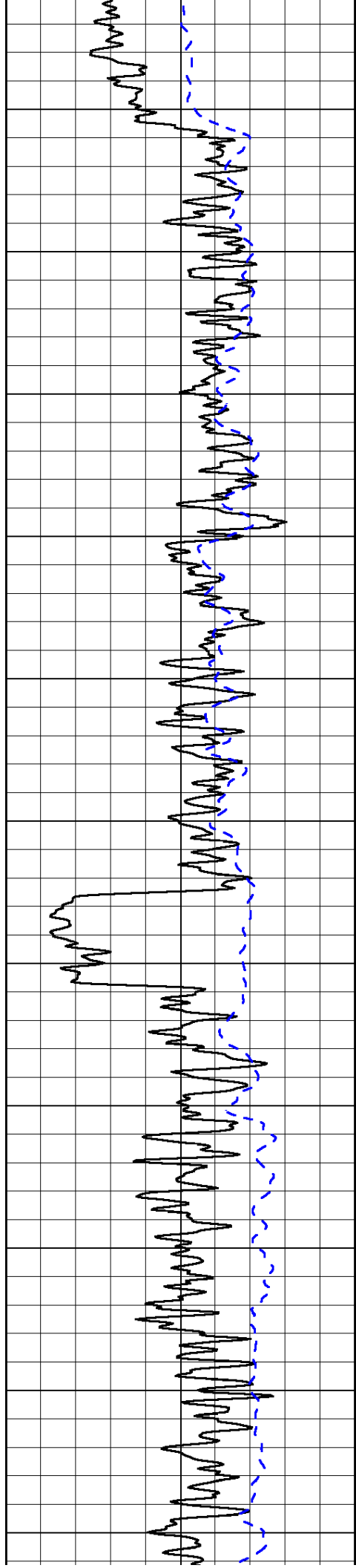
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15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

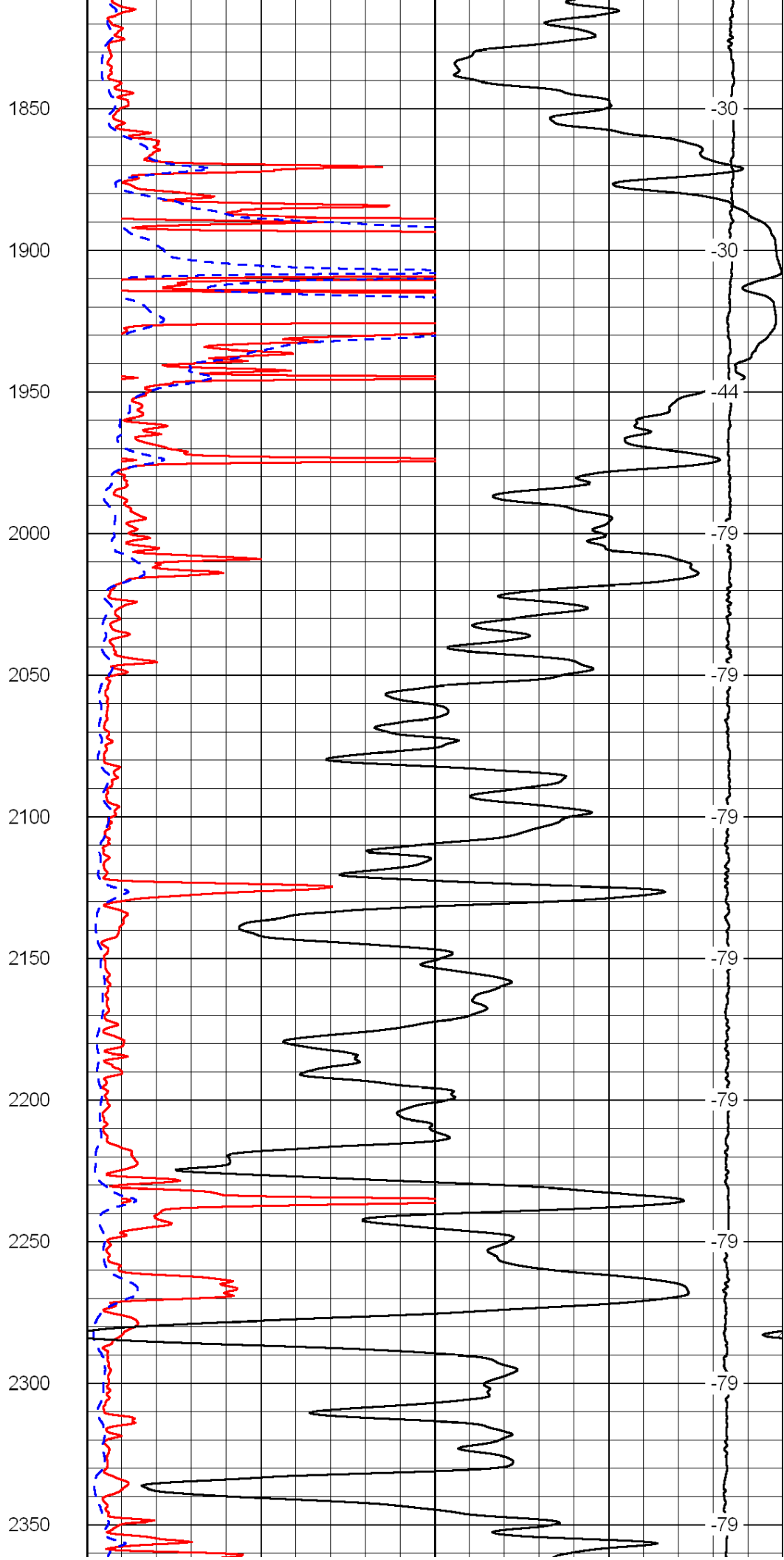
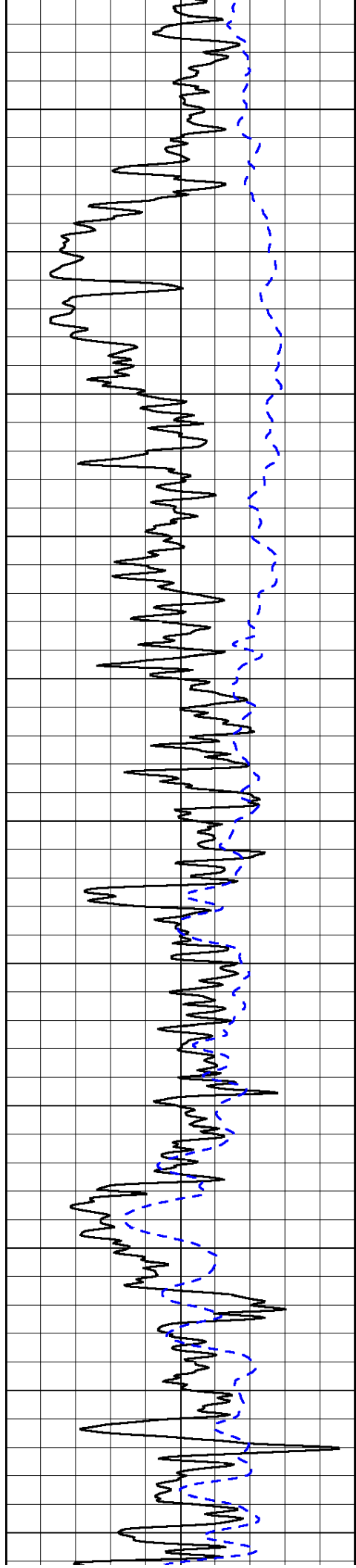


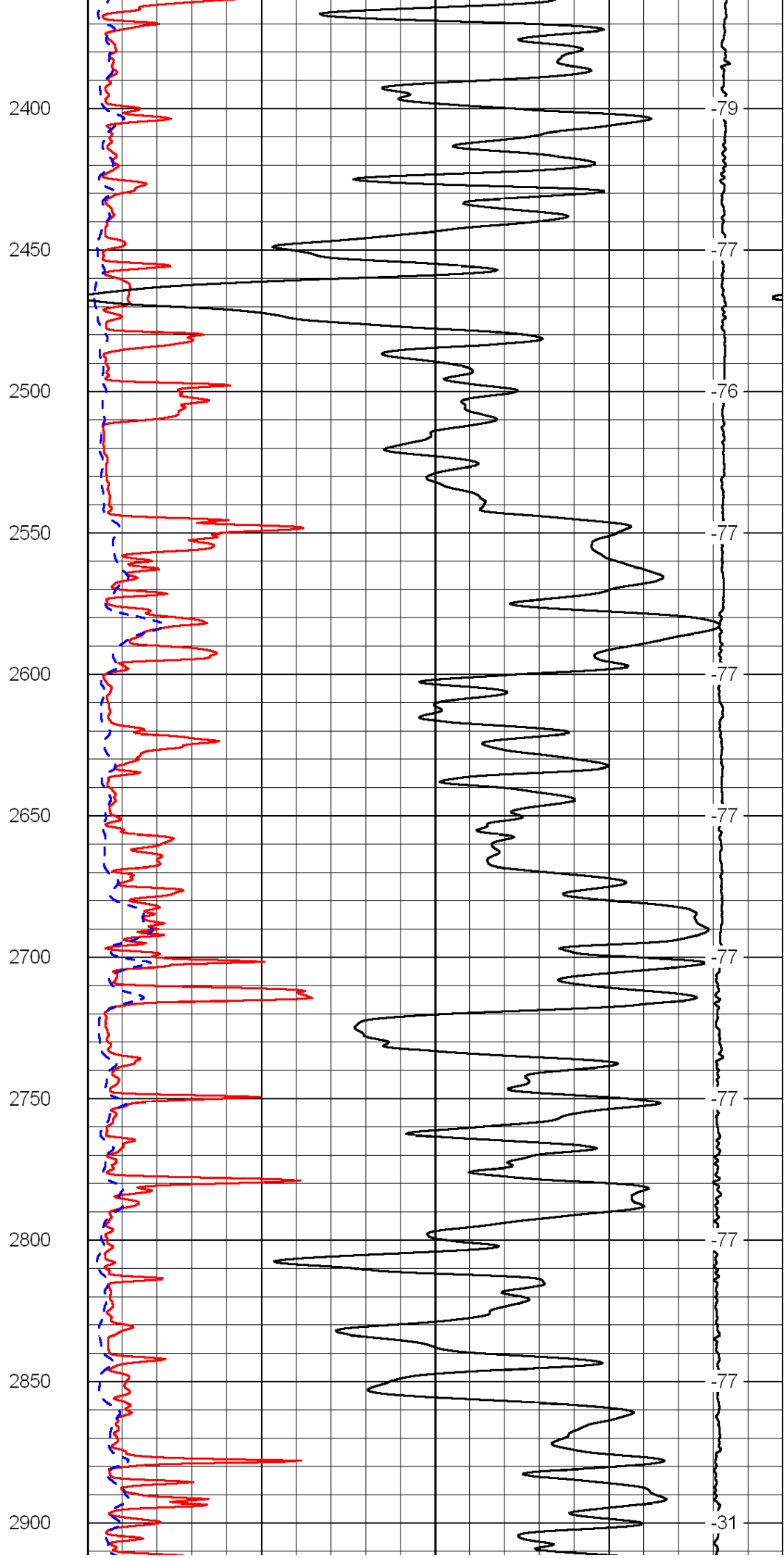
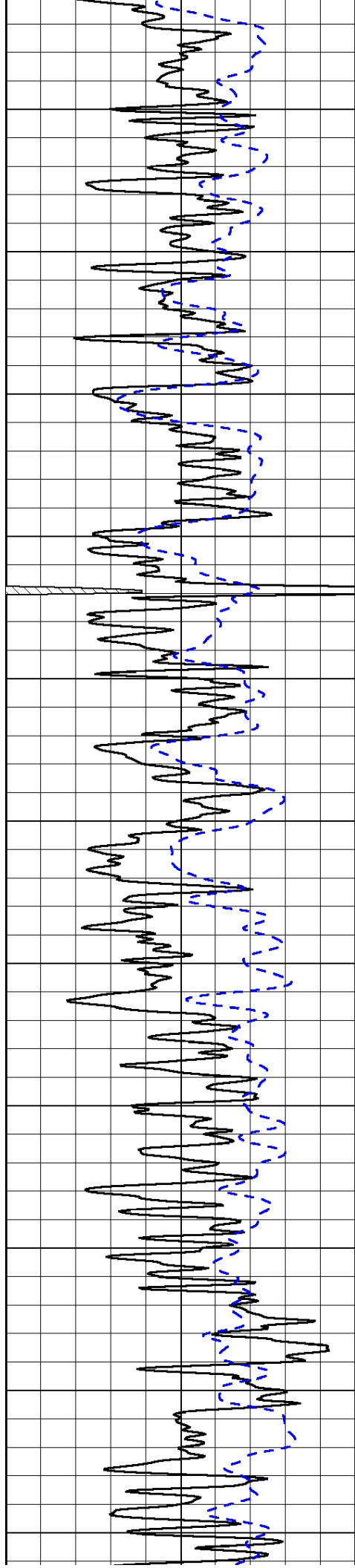
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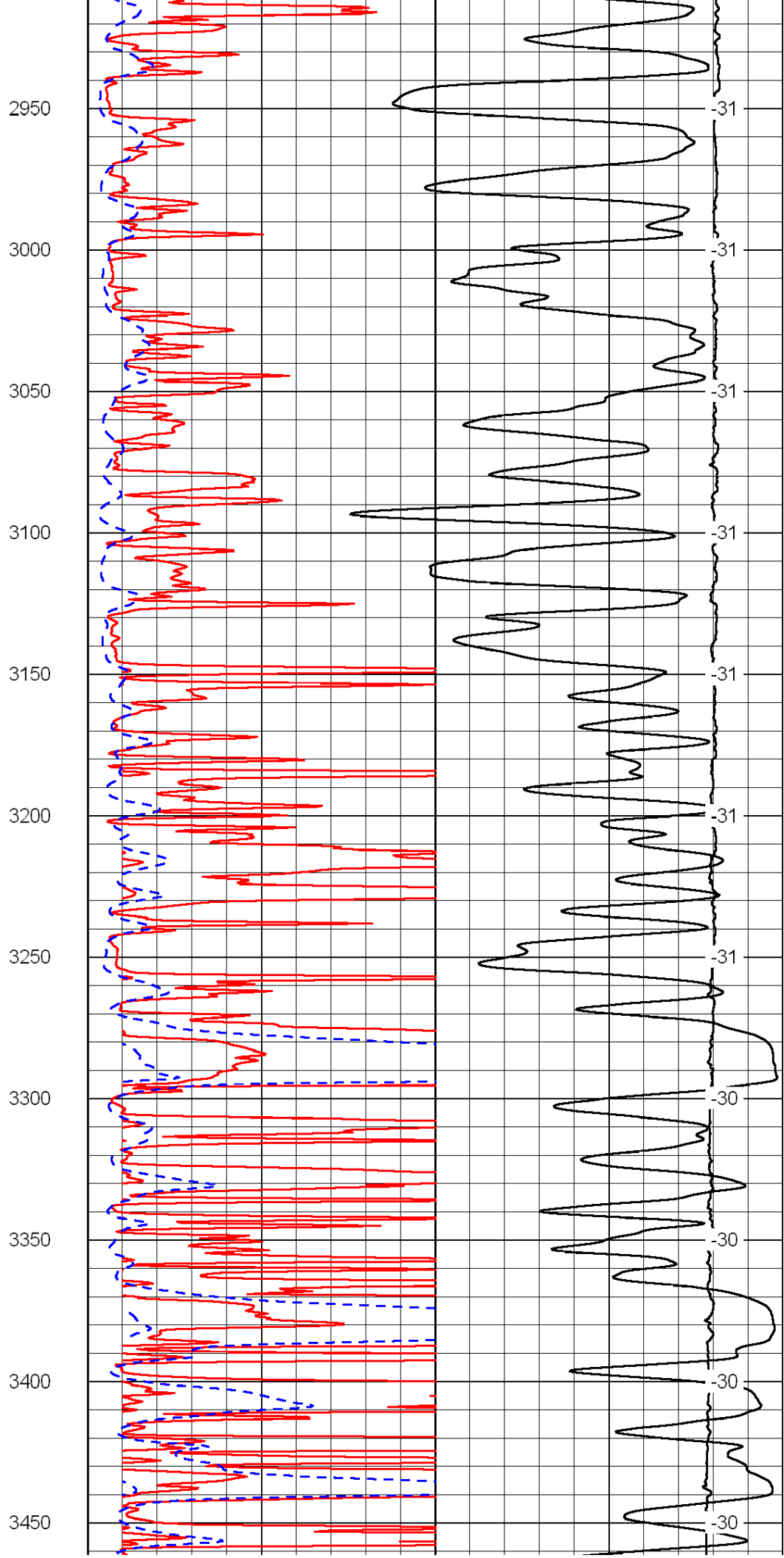
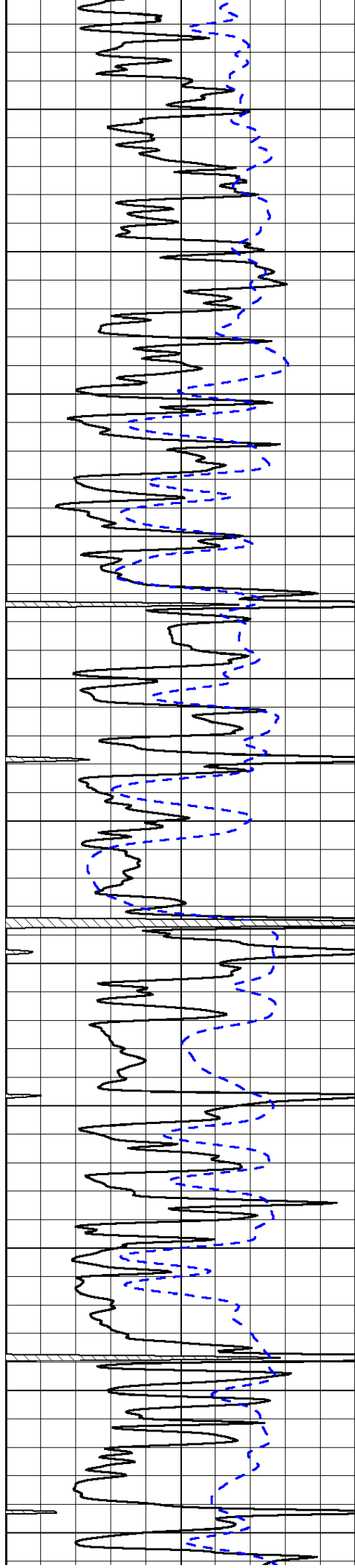


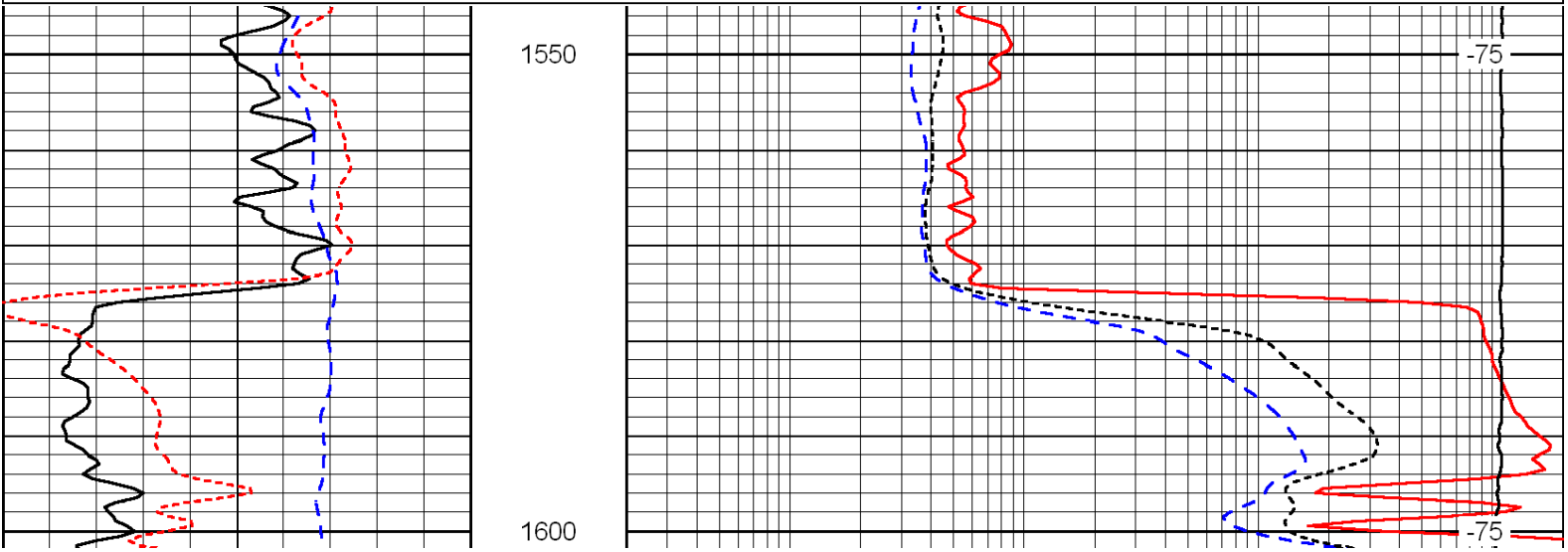
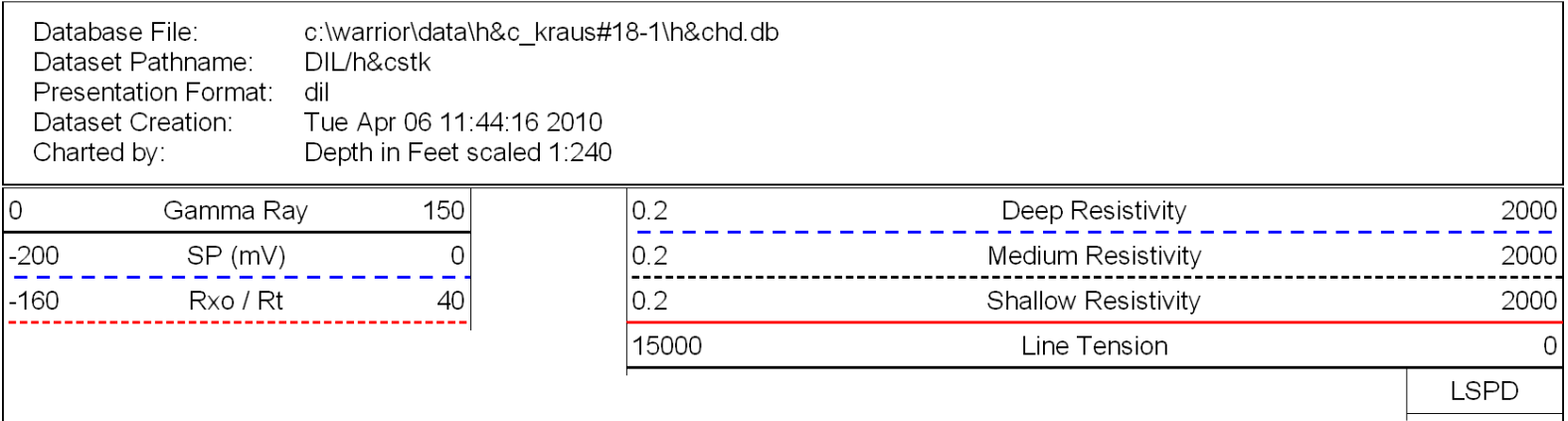
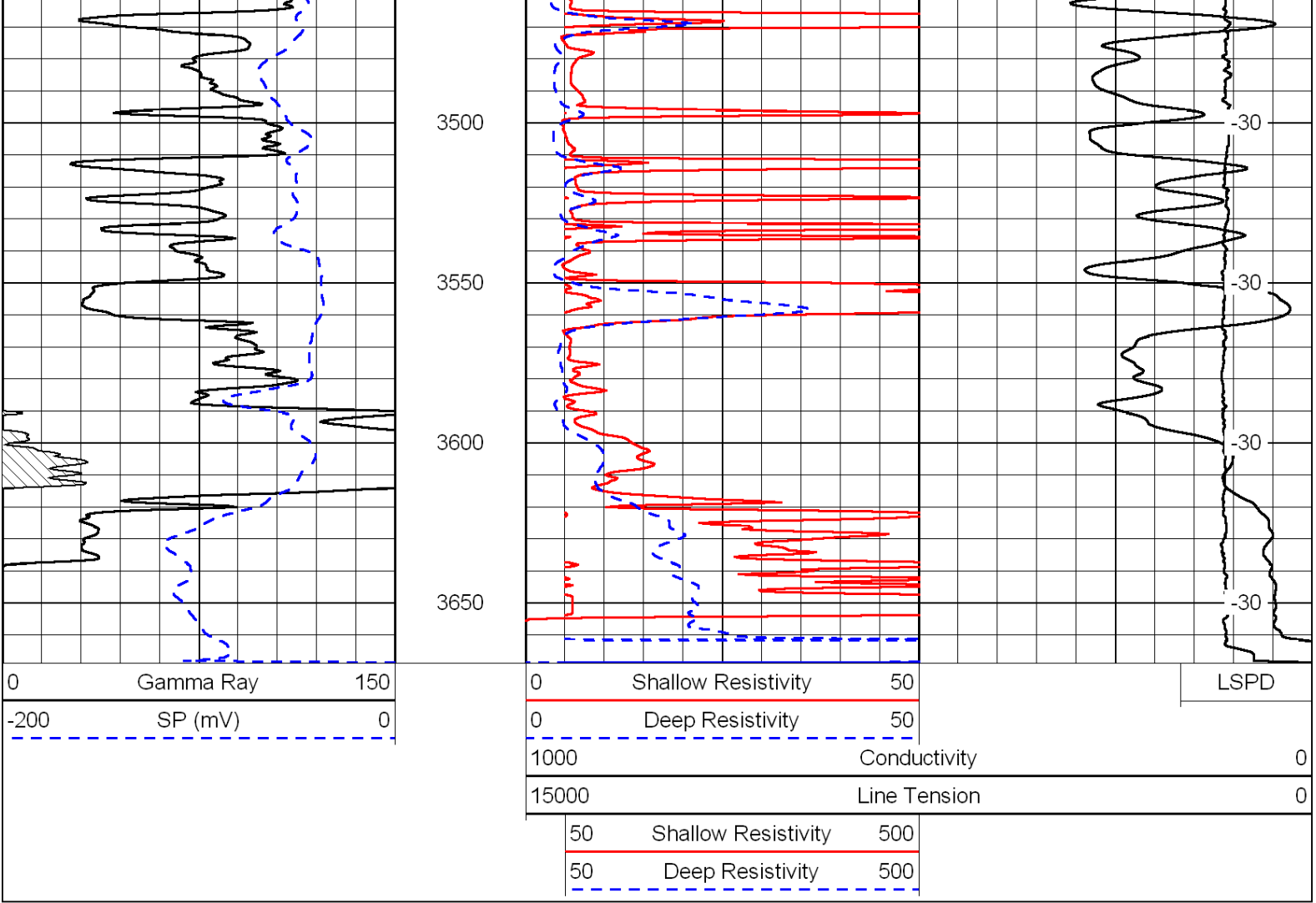


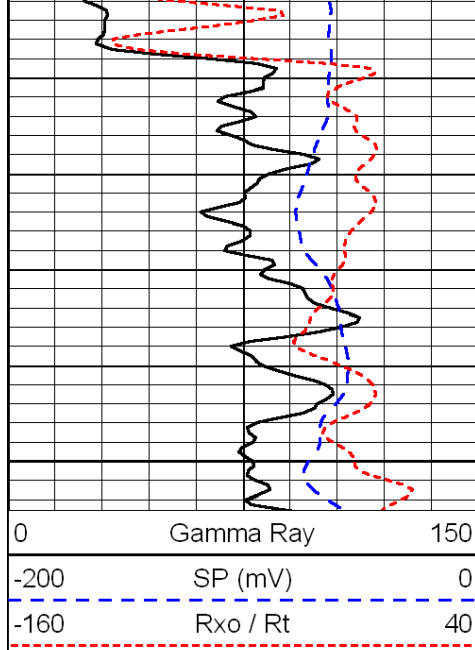




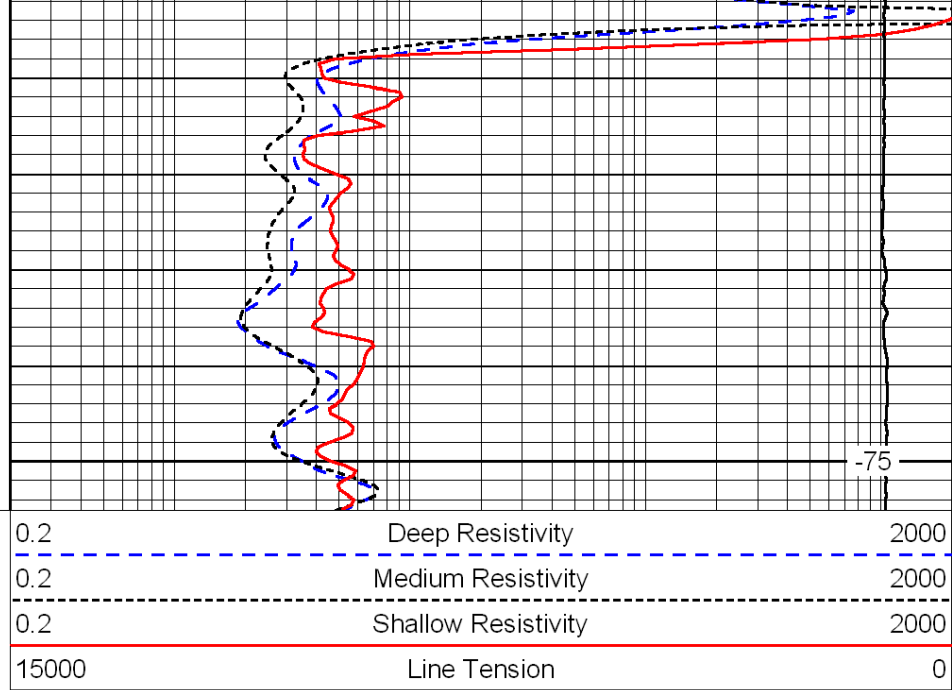






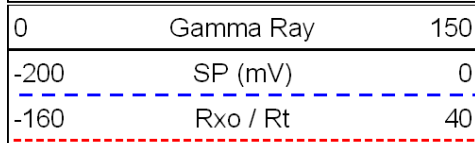


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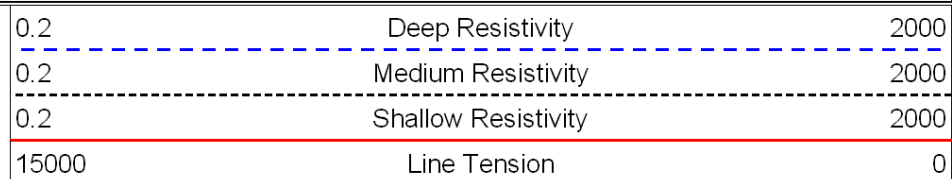


LSPD

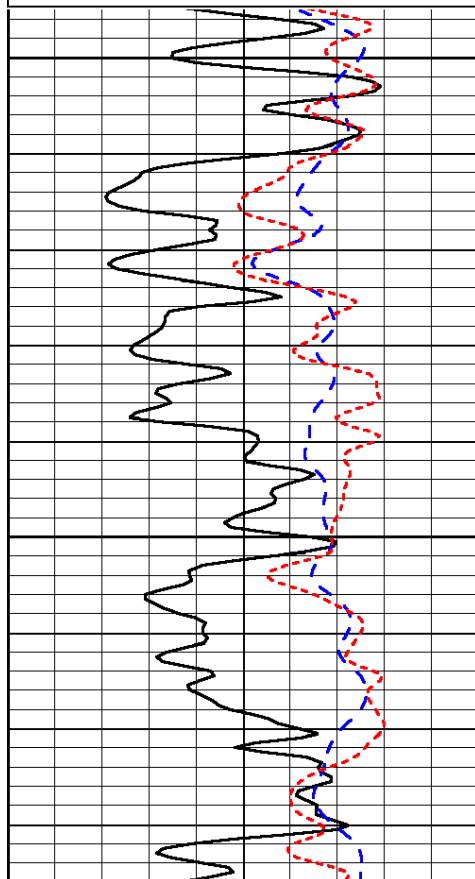
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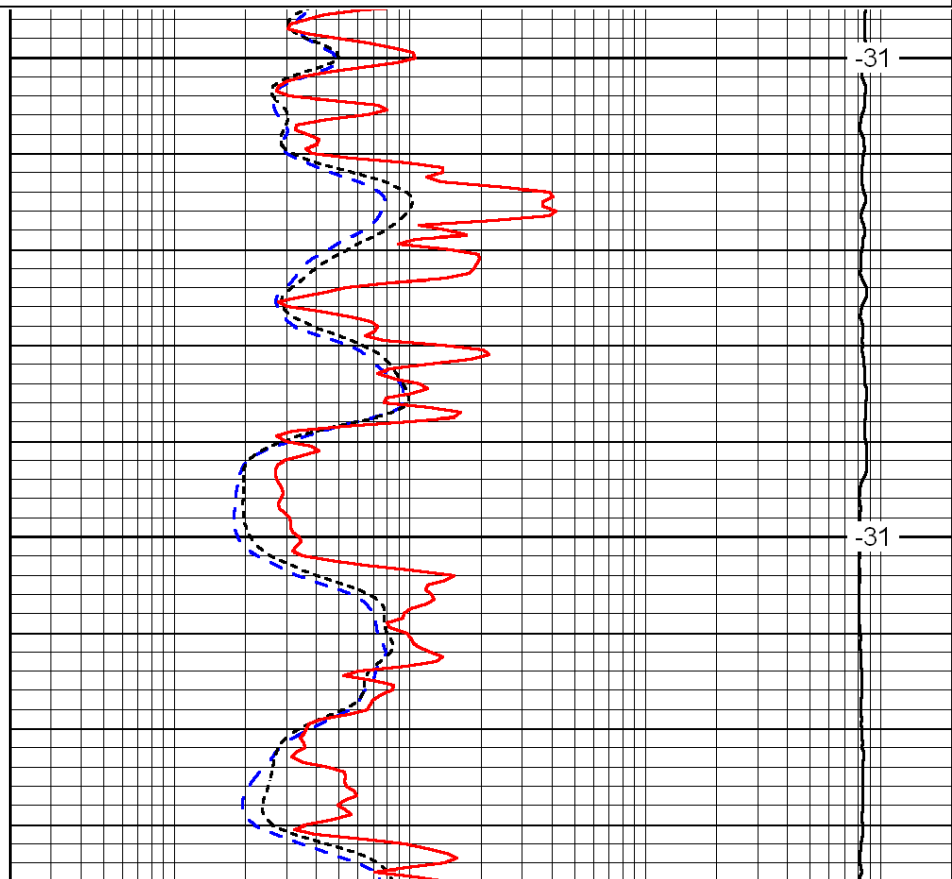
2900



LSPD

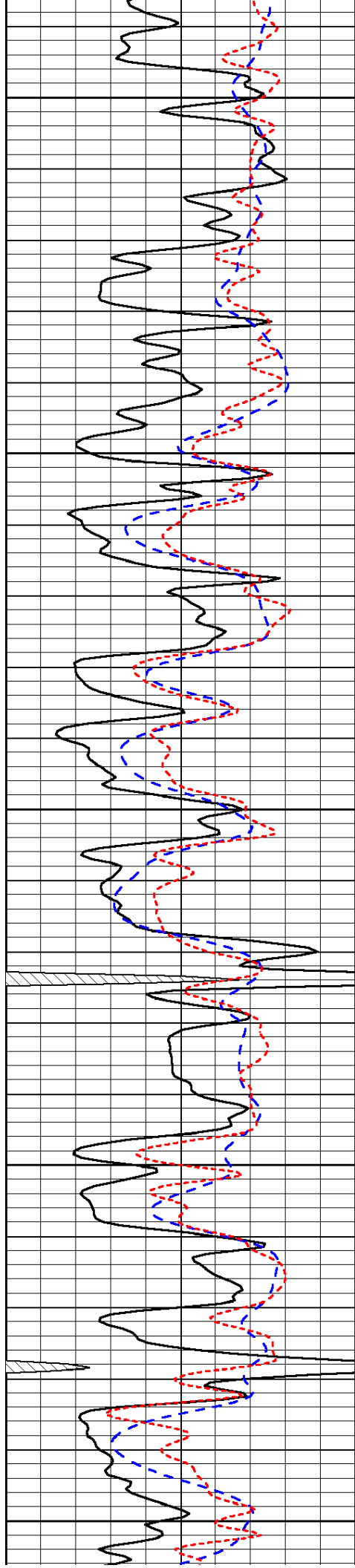


2950



-31

-31



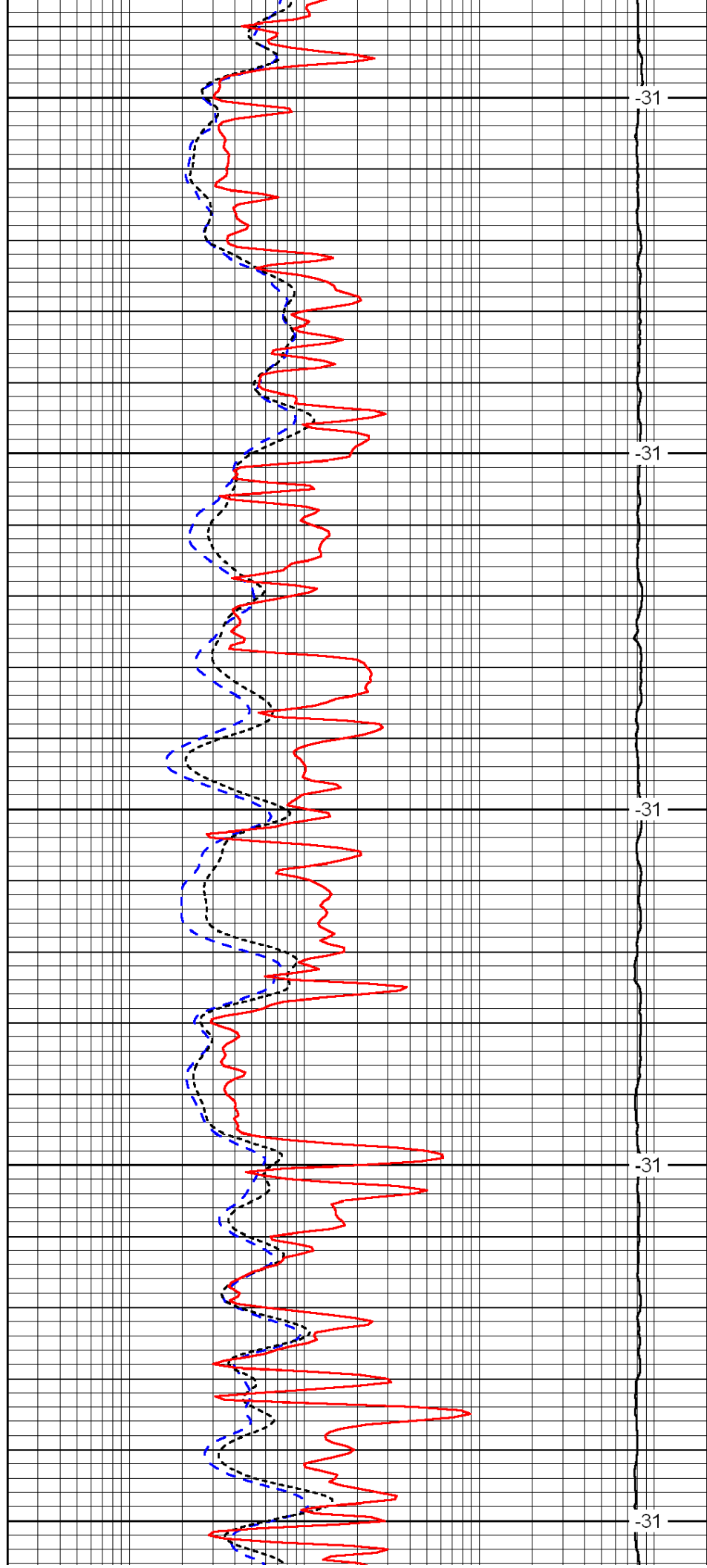
3000

3050

3100

3150

3200



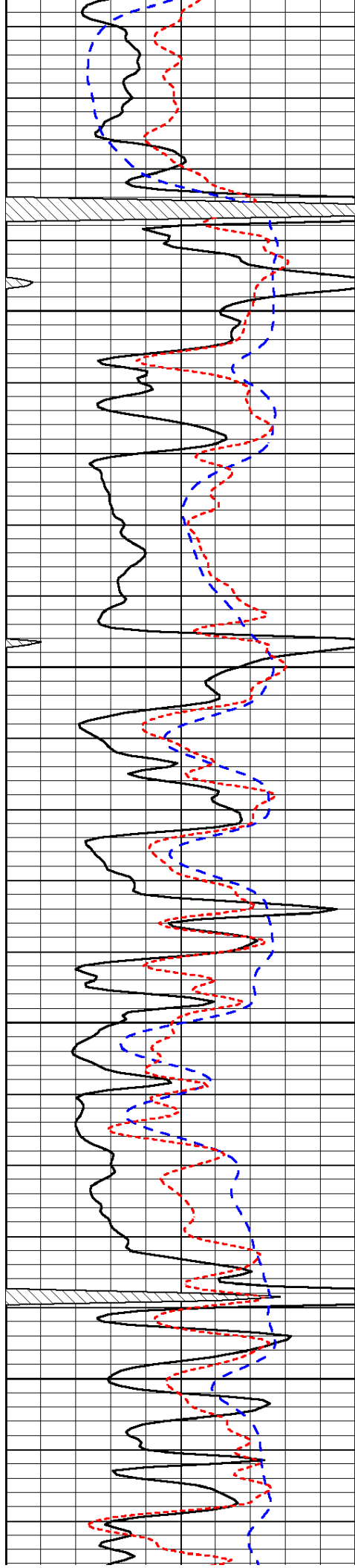
-31

-31

-31

-31

-31

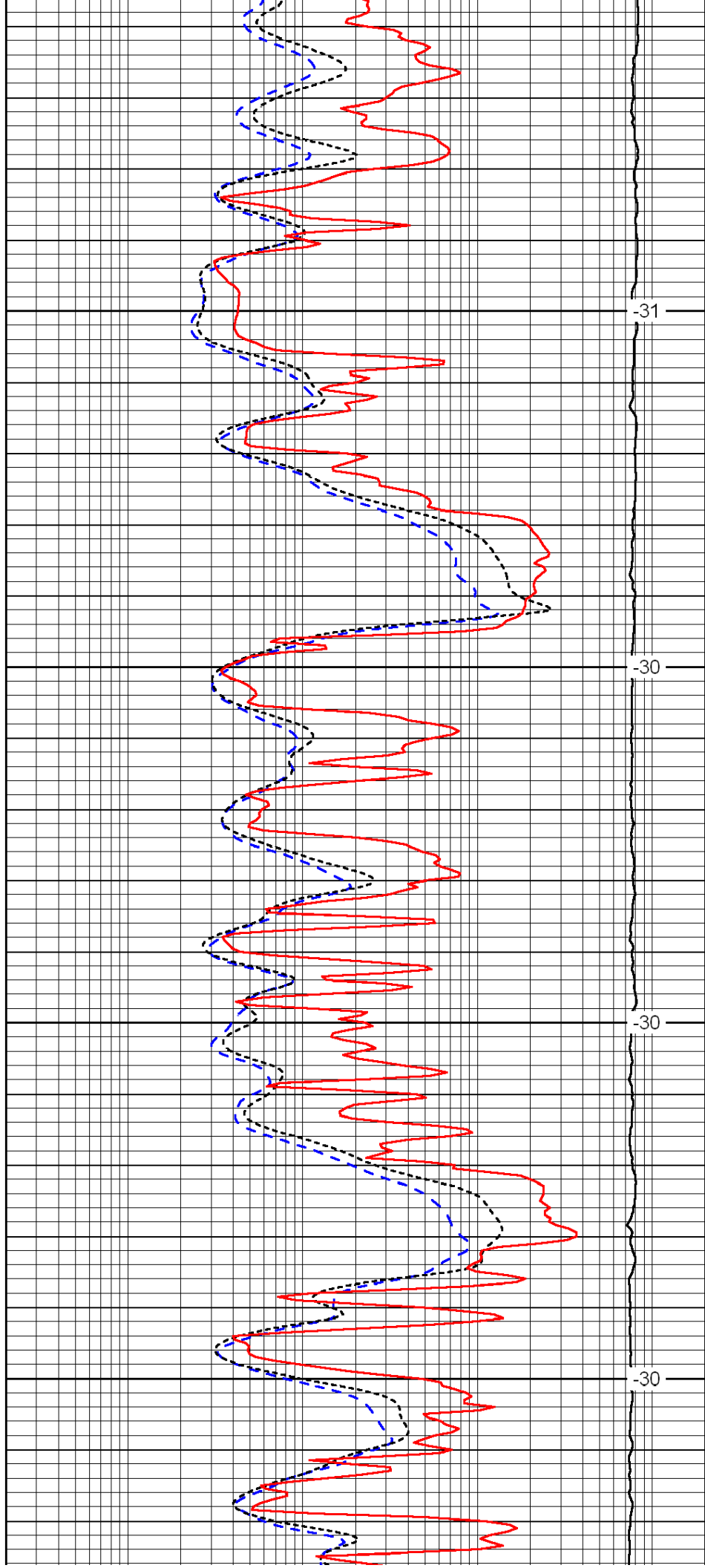


3250

3300

3350

3400

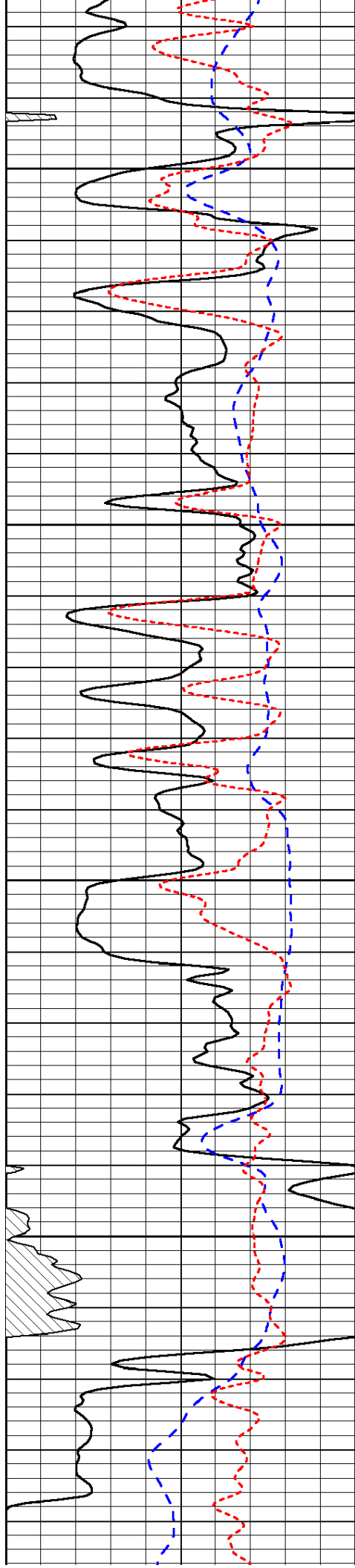


-31

-30

-30

-30

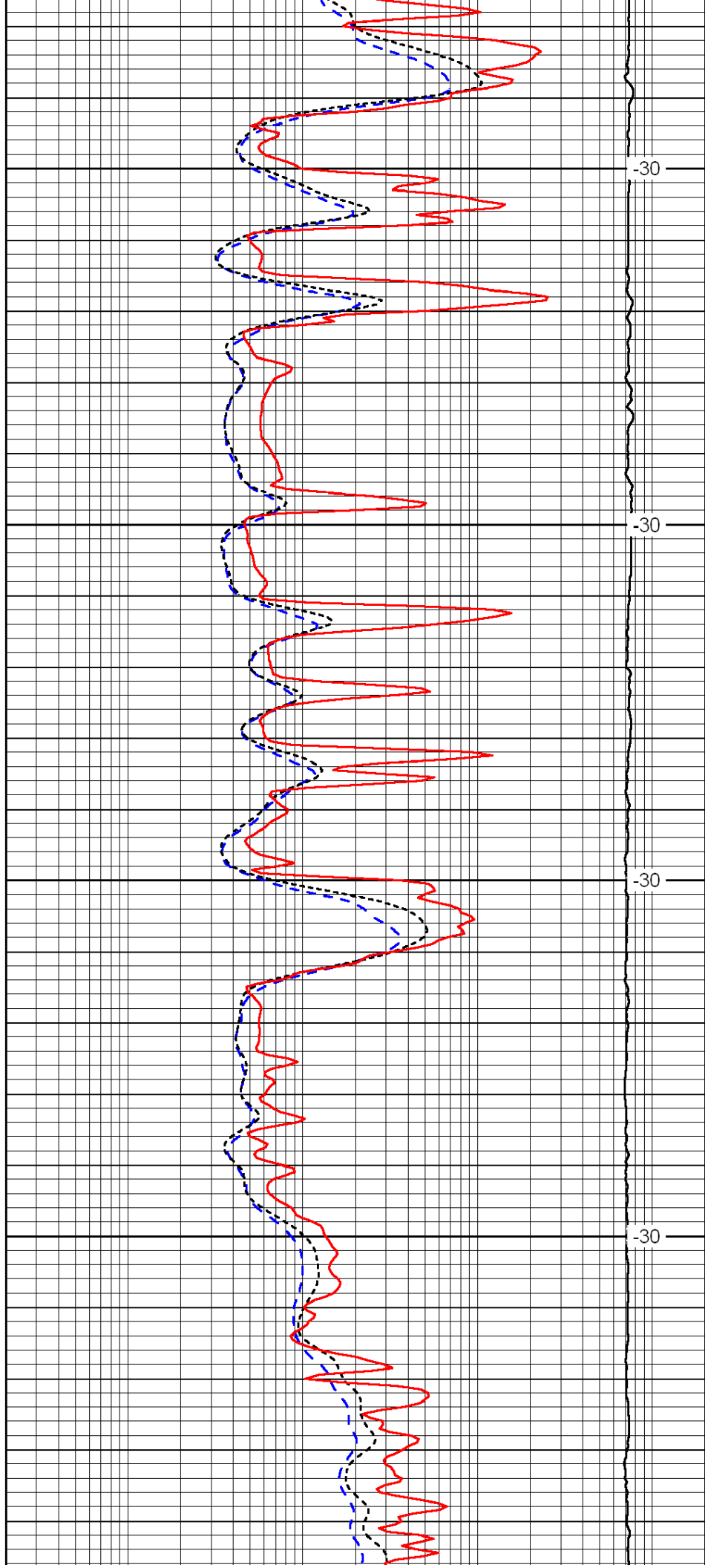


3450

3500

3550

3600

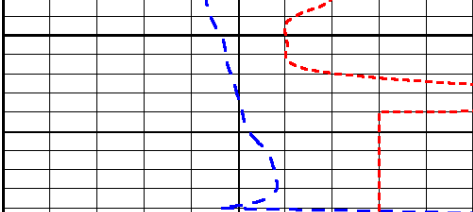


-30

-30

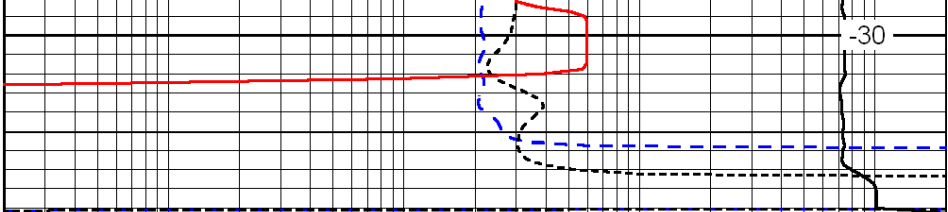
-30

-30



0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

3650



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

LSPD