



Dual Induction Log

Pioneer Energy Services

API No.	Company Carrie Exploration and Development				
	Well Cemetary # C-2				
	Field Chase-Silica				
	County Rice	State	Kansas		
15-159-22,768-00-00	Location	NW SW NW 1,650' FNL & 330' FWL		Other Services CNL/CDL MEL	
	Sec: 28	Twp: 19S	Rge: 10W	Elevation	
	Permanent Datum	Ground Level	Kelly Bushing	Elevation 1768	K.B. 1775
Log Measured From	Kelly Bushing	7	Ft. Above Perm. Datum	D.F. 1768	
Drilling Measured From	Kelly Bushing	G.L. 1768			
Date	3/22/2014				
Run Number	One				
Depth Driller	3360				
Depth Logger	3379				
Bottom Logged Interval	3378				
Top Log Interval	250				
Casing Driller	8.625 @ 277				
Casing Logger	272				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity,ppm CL	N/A				
Density / Viscosity	9.1	56			
pH / Fluid Loss	N/A	N/A			
Source of Sample	Flowline				
Rm @ Meas. Temp	.34 @ 60				
Rmf @ Meas. Temp	.26 @ 60				
Rmc @ Meas. Temp	.46 @ 60				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.19 @ 110				
Operating Rig Time	4 Hours				
Max Rec. Temp. F	110				
Equipment Number	108				
Location	Hays				
Recorded By	J. Long				
Witnessed By	Steve Reed				

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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

Ellinwood, East to County Line, 2 East to 3 Road, 1 3/4 North, East Into

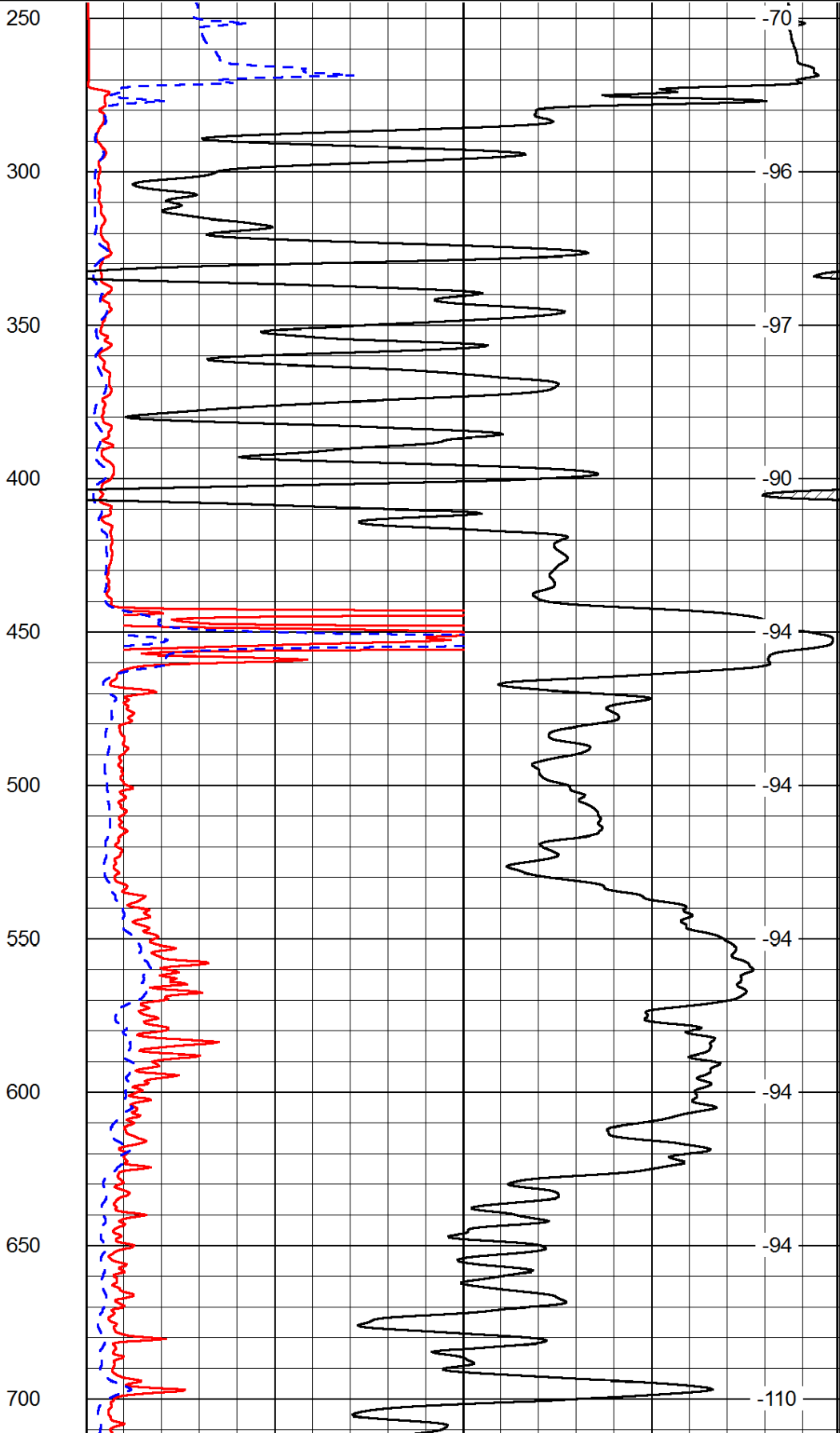
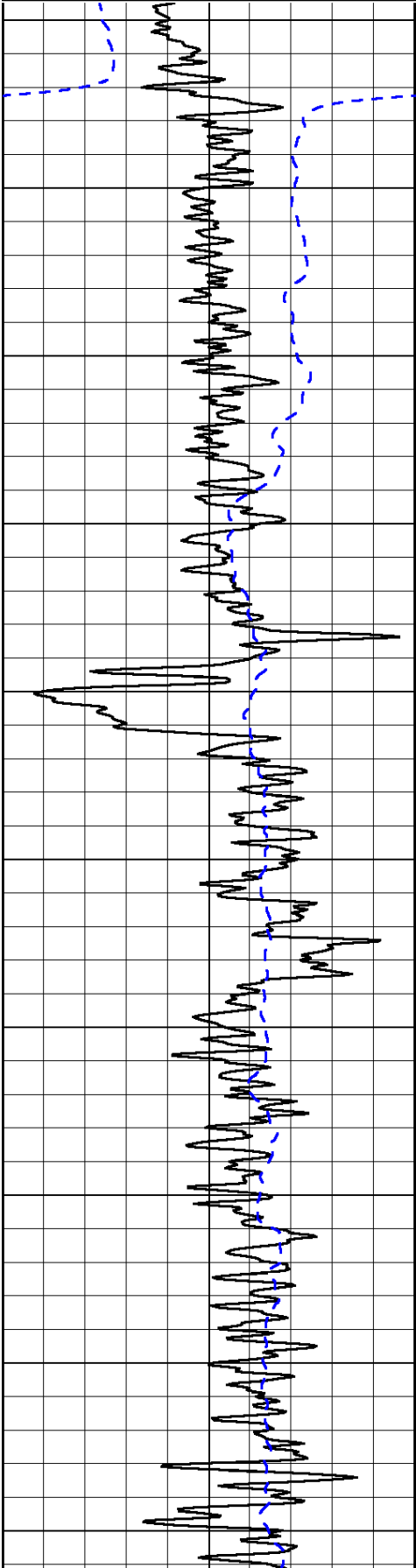
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Dataset Pathname: dil/carrstck
Presentation Format: dil2in
Dataset Creation: Sat Mar 22 09:20:29 2014
Charted by: Depth in Feet scaled 1:600

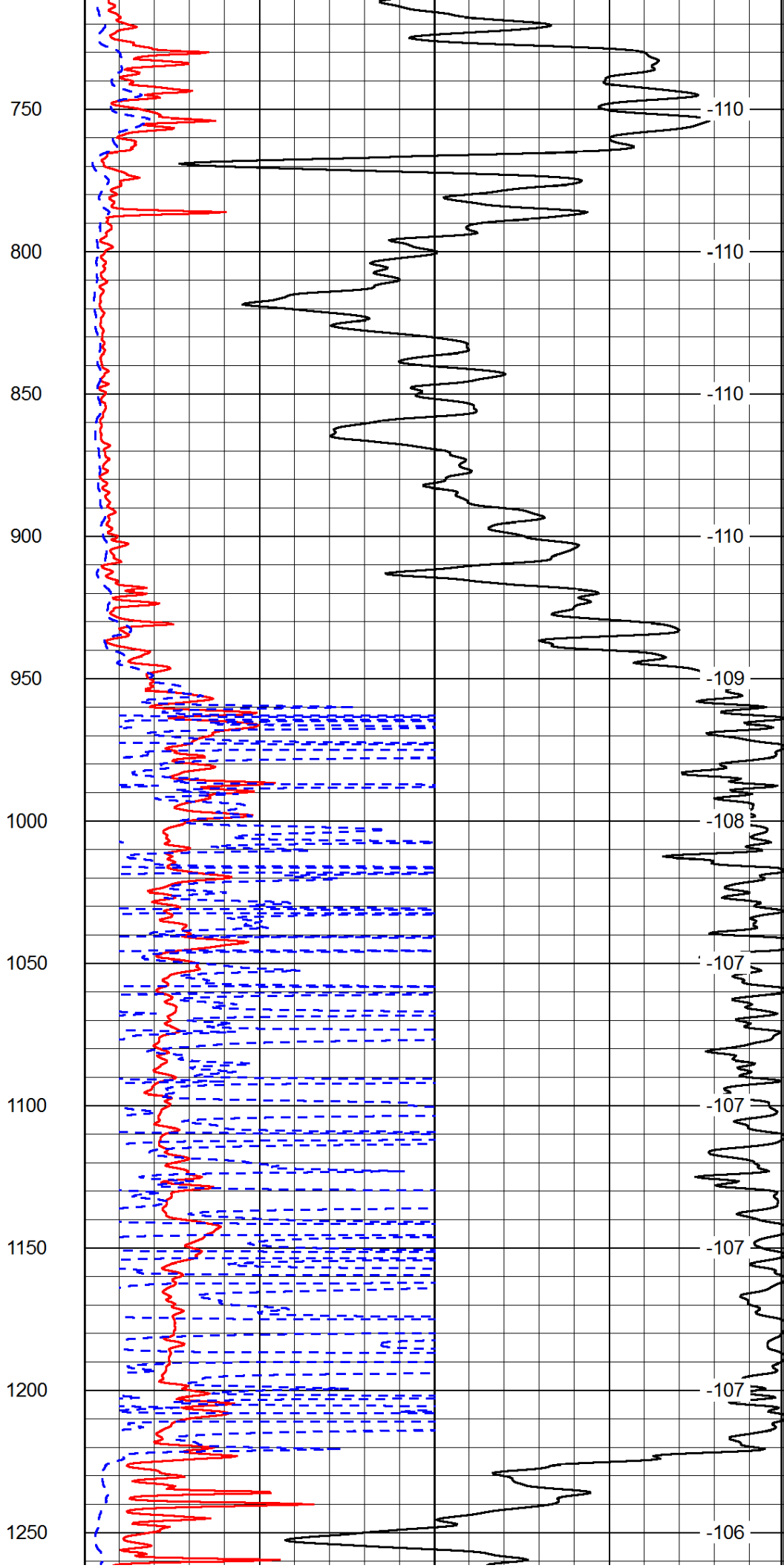
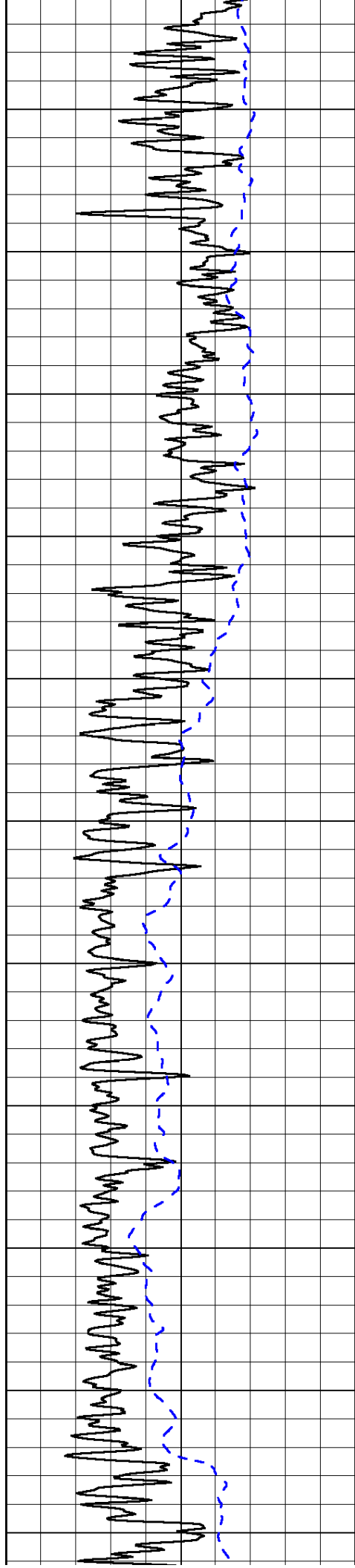
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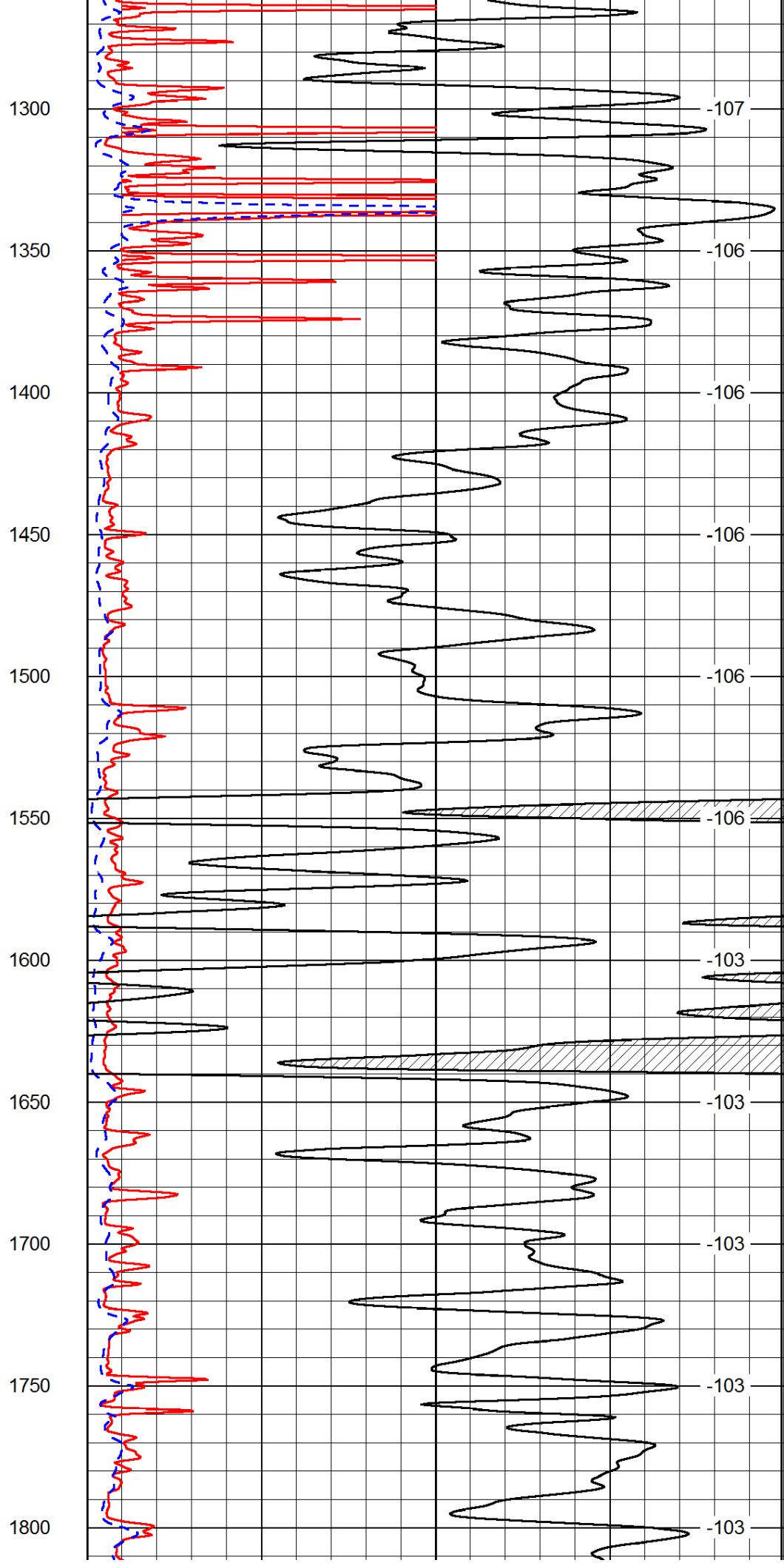
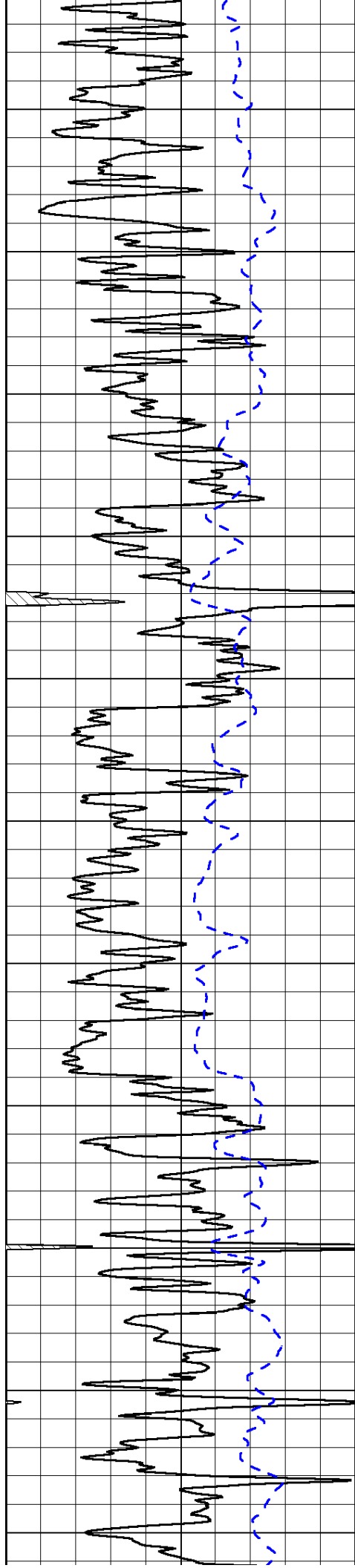
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-200	SP (mV)	0

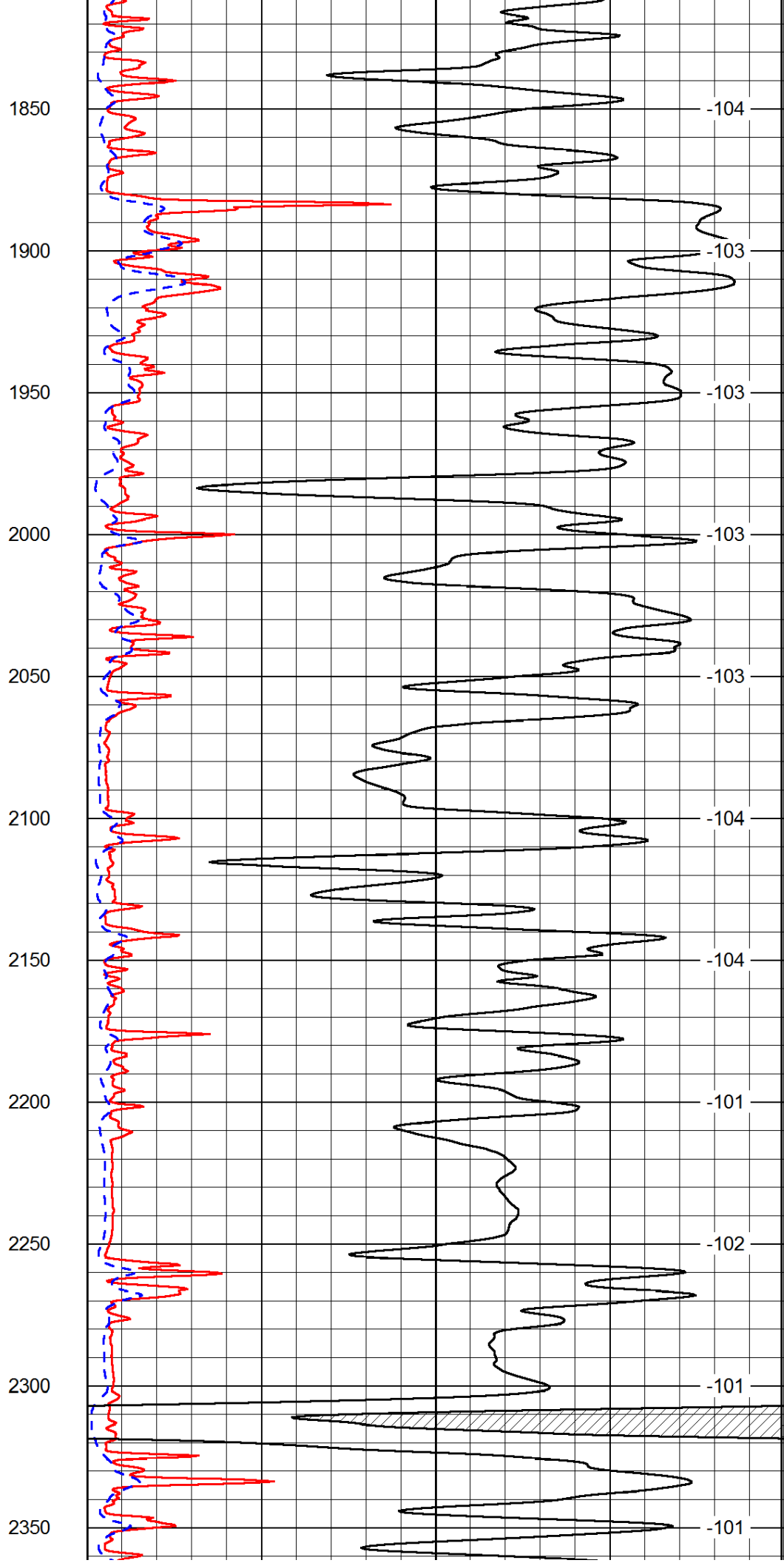
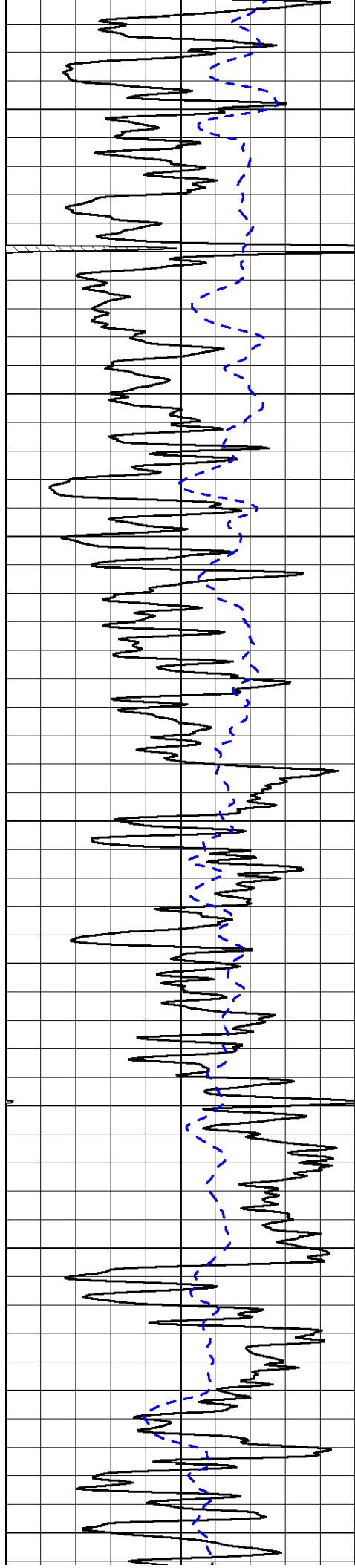
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

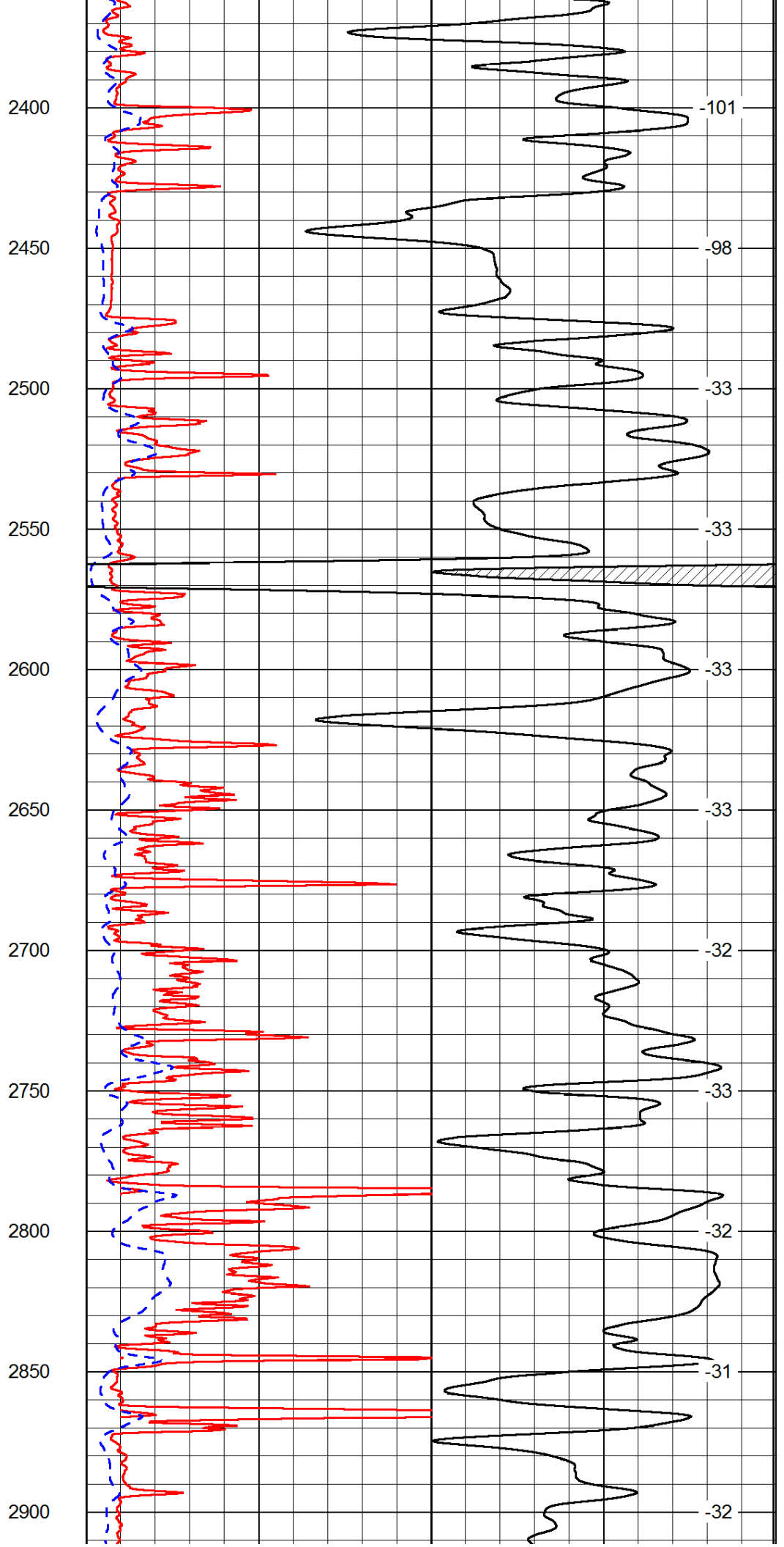
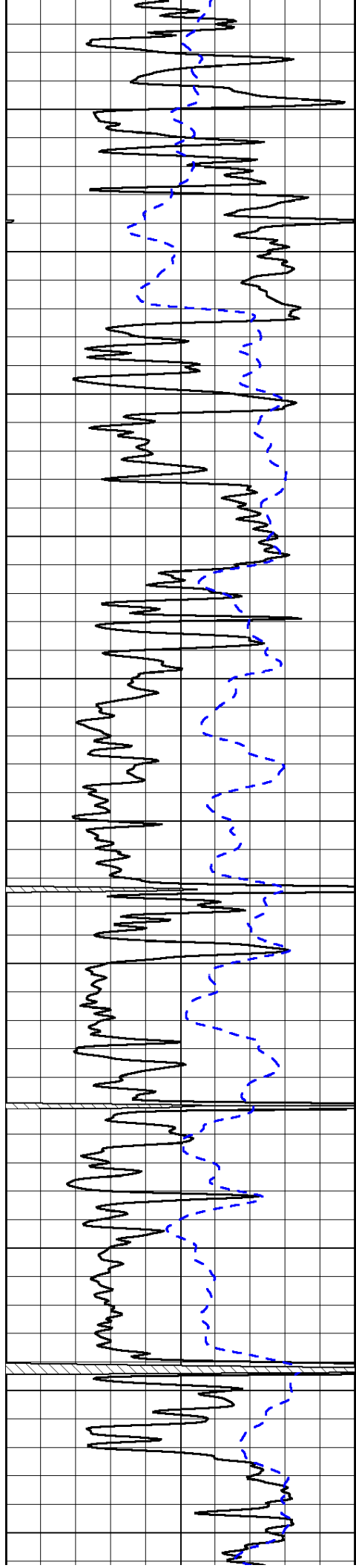
LSPD
0
0

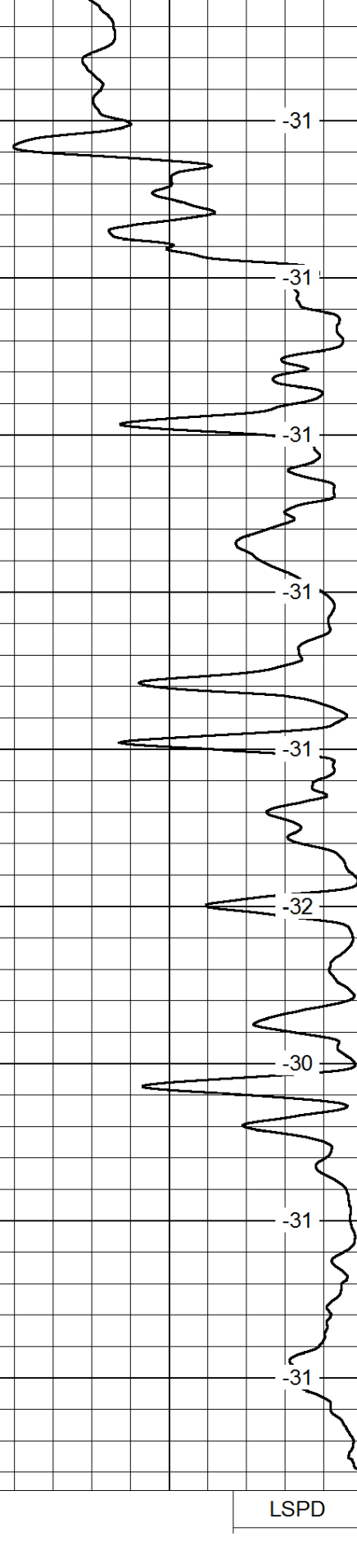
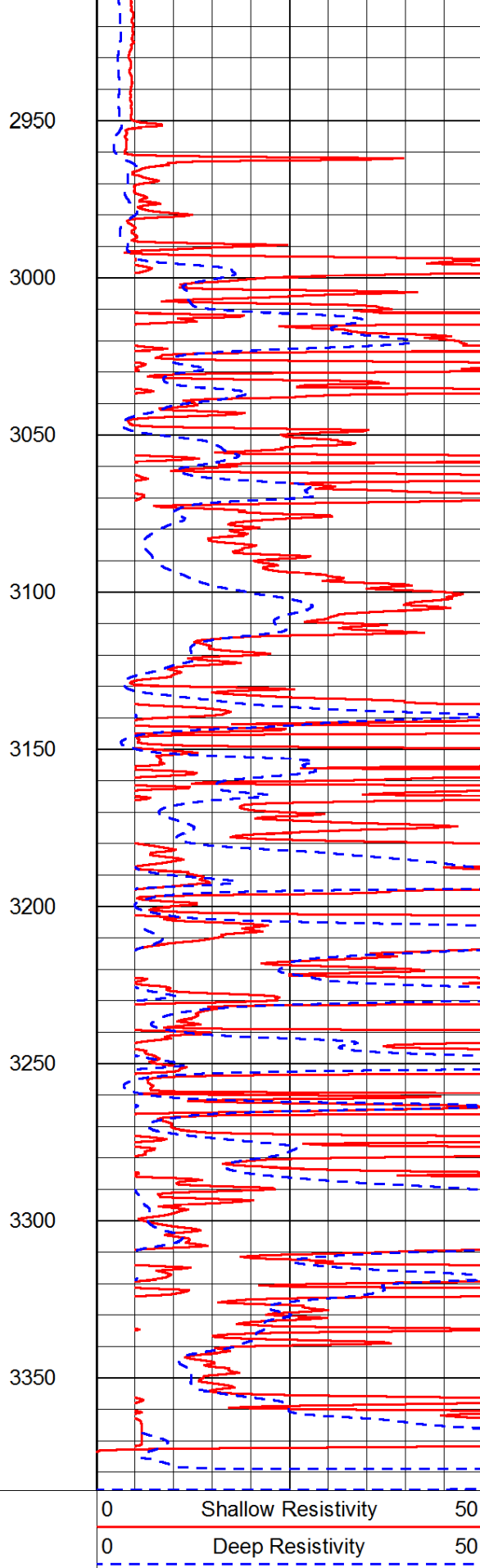
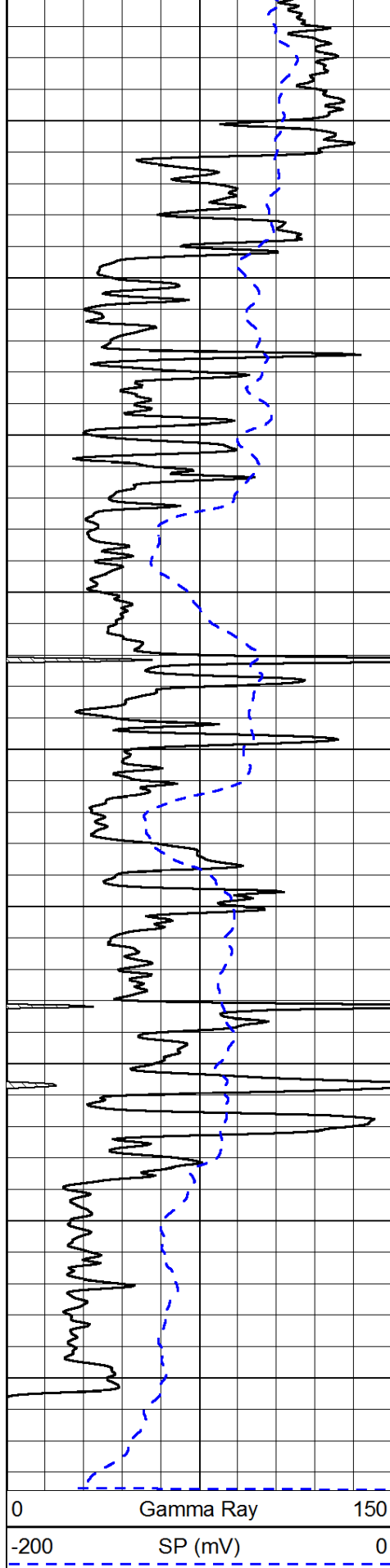












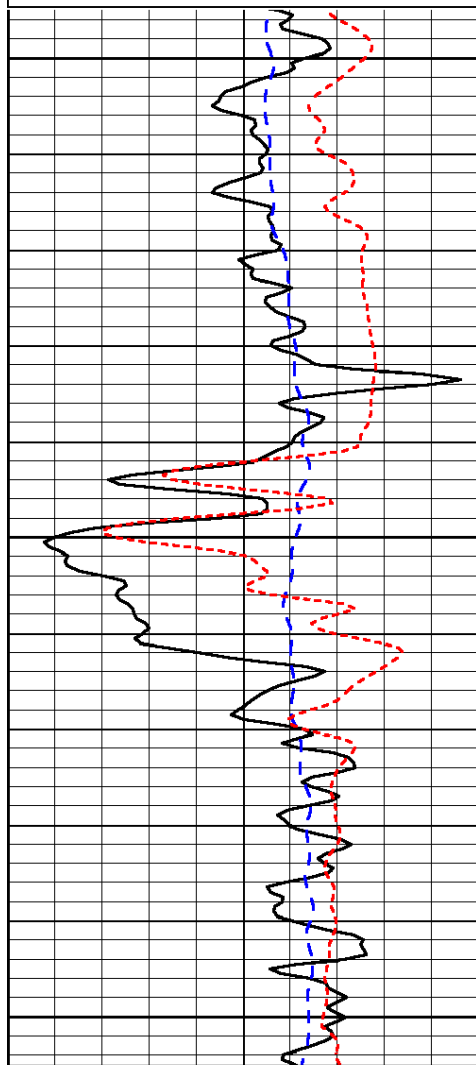
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File: c:\warrior\data\carrie exp_cemetery #c-2\carrie_cemetery_c-2hd.db
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 Presentation Format: dil
 Dataset Creation: Sat Mar 22 09:20:29 2014
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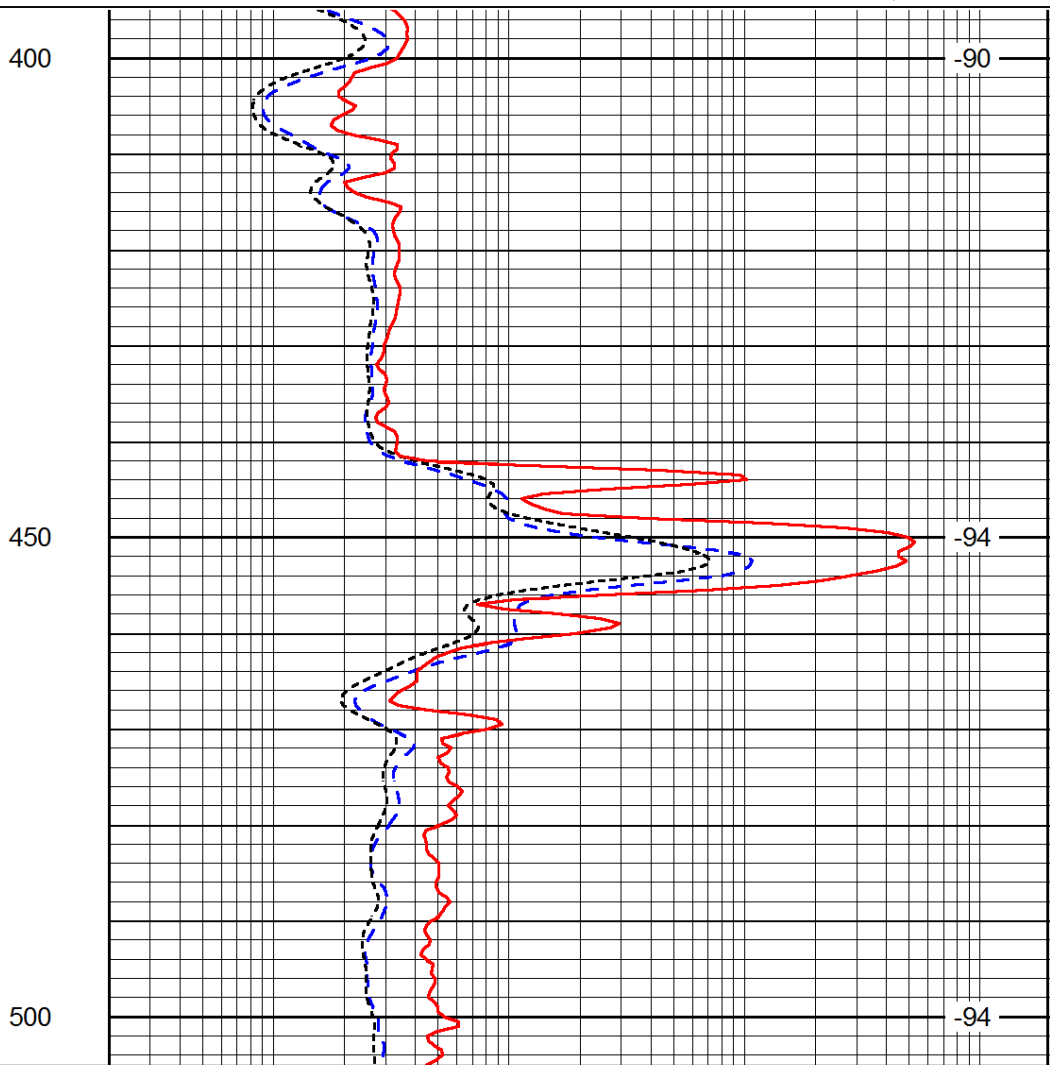
0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

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

LSPD



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



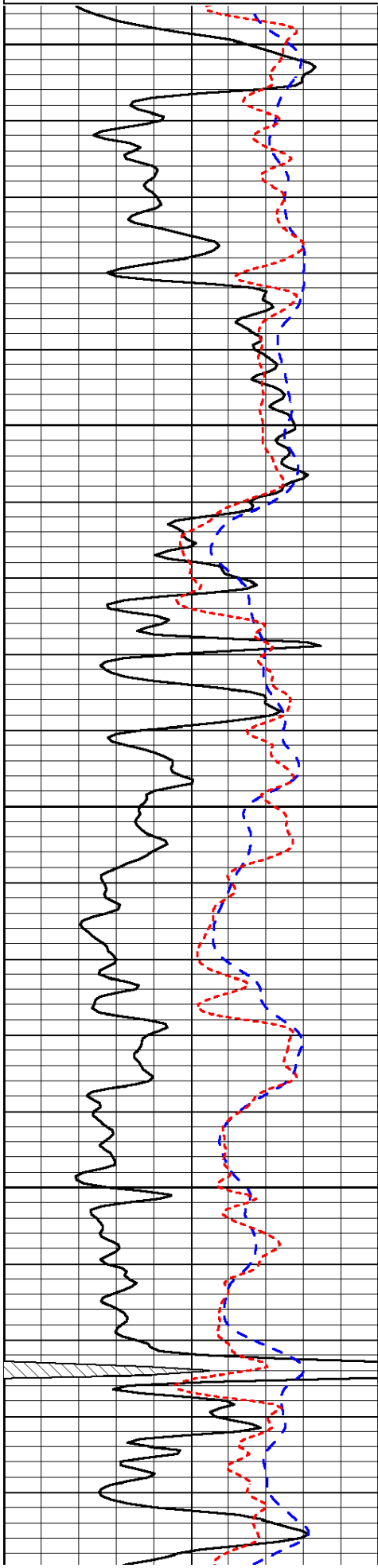
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

Database File: c:\warrior\data\carrie exp_cemetery #c-2\carrie_cemetery_c-2hd.db
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0	Gamma Ray	150
-200	SP (mV)	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000



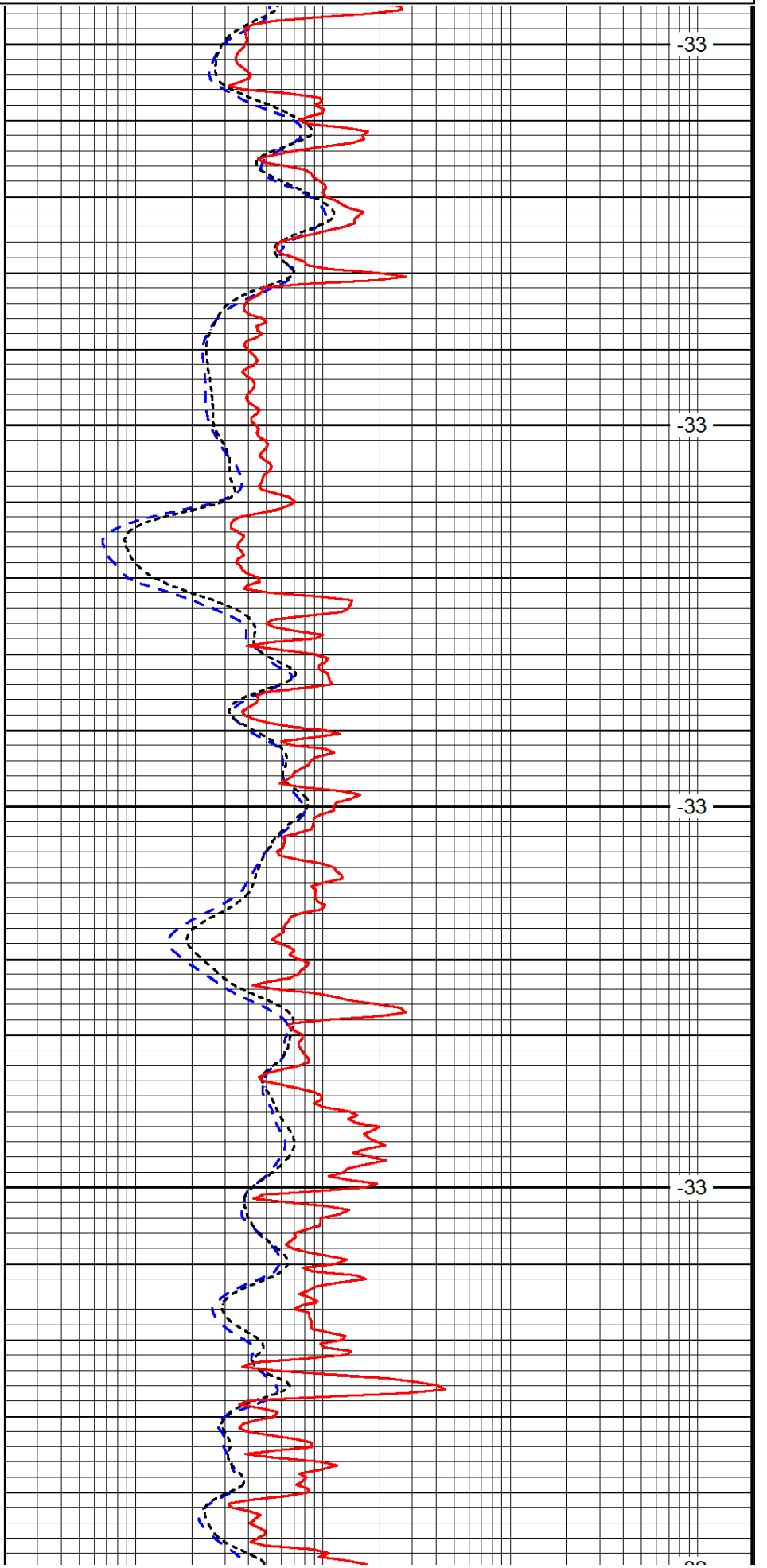
2500

2550

2600

2650

2700



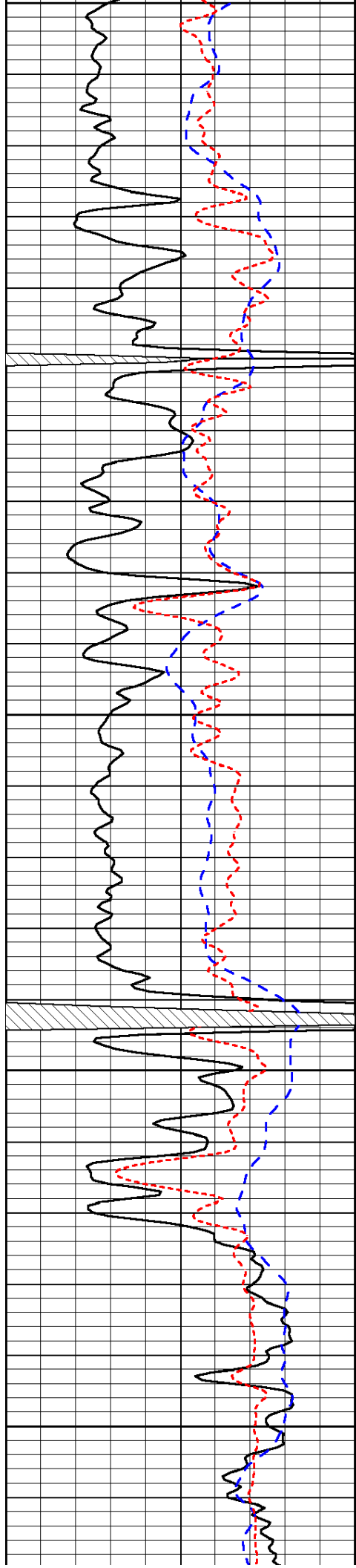
-33

-33

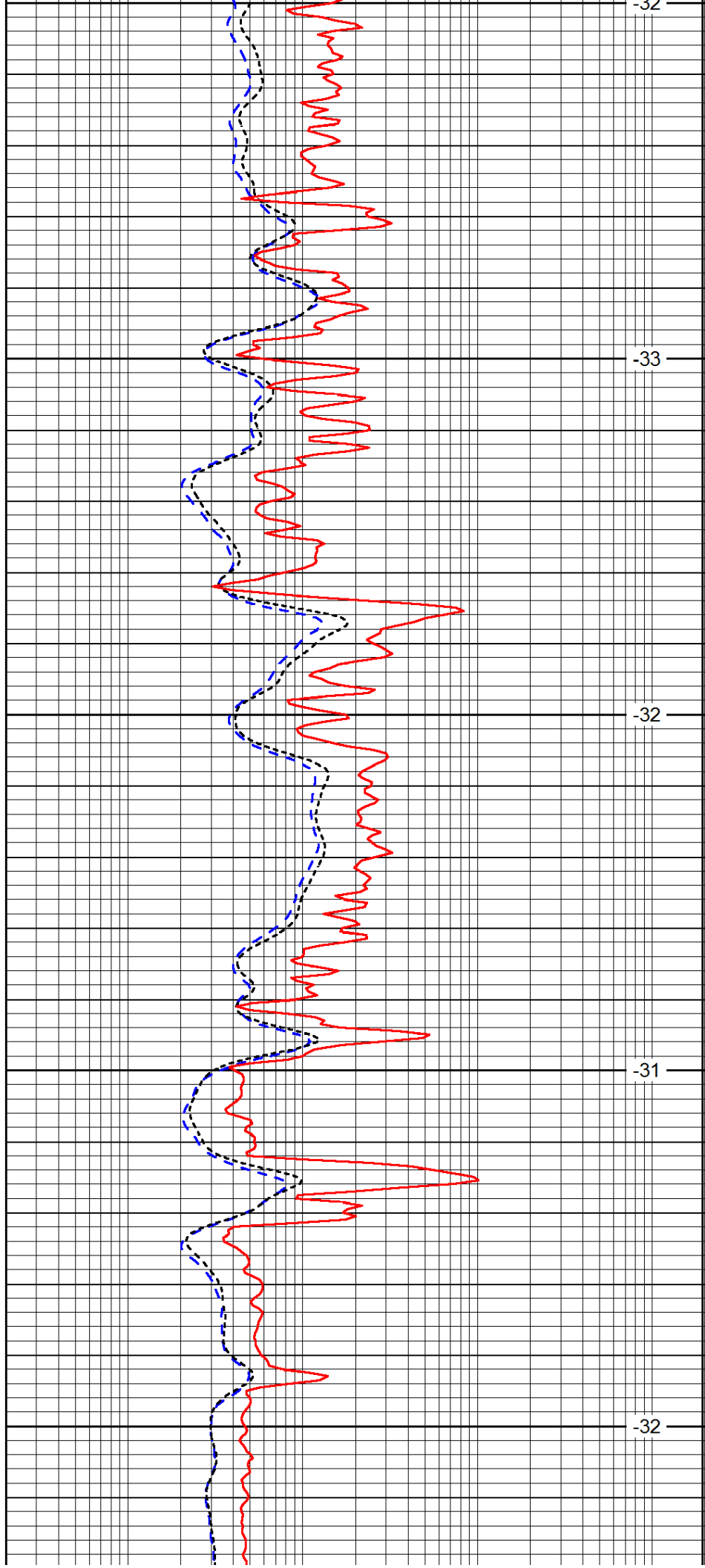
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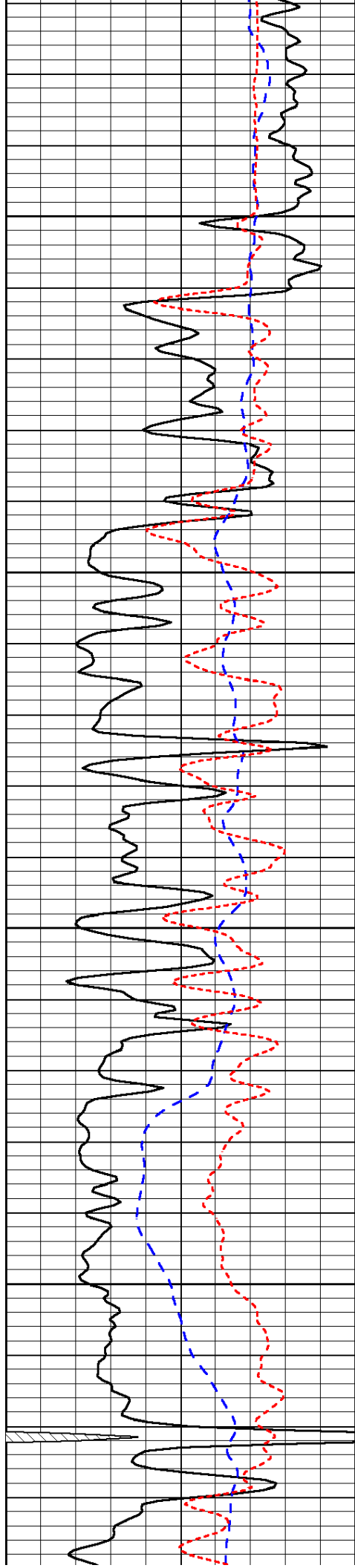
-33

-33



2700
2750
2800
2850
2900



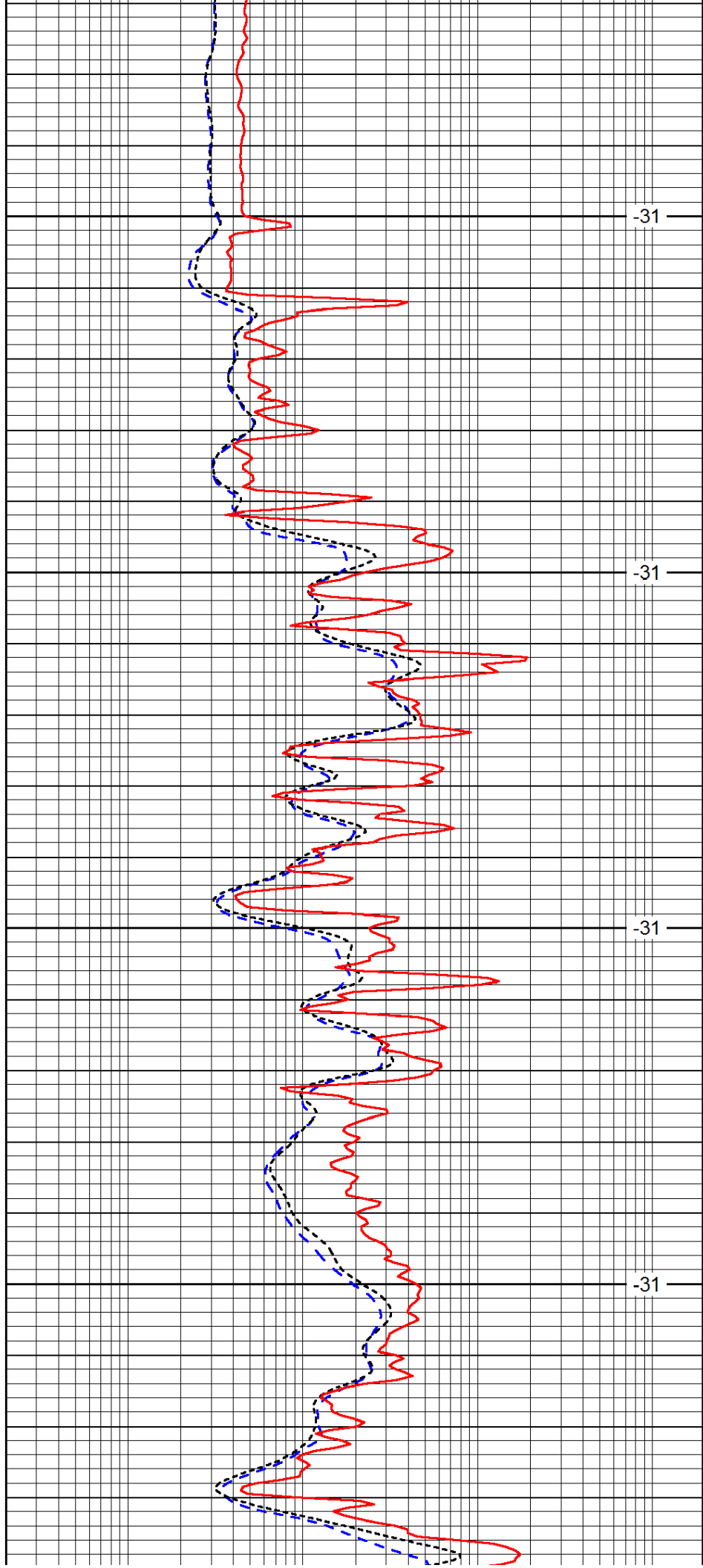


2950

3000

3050

3100

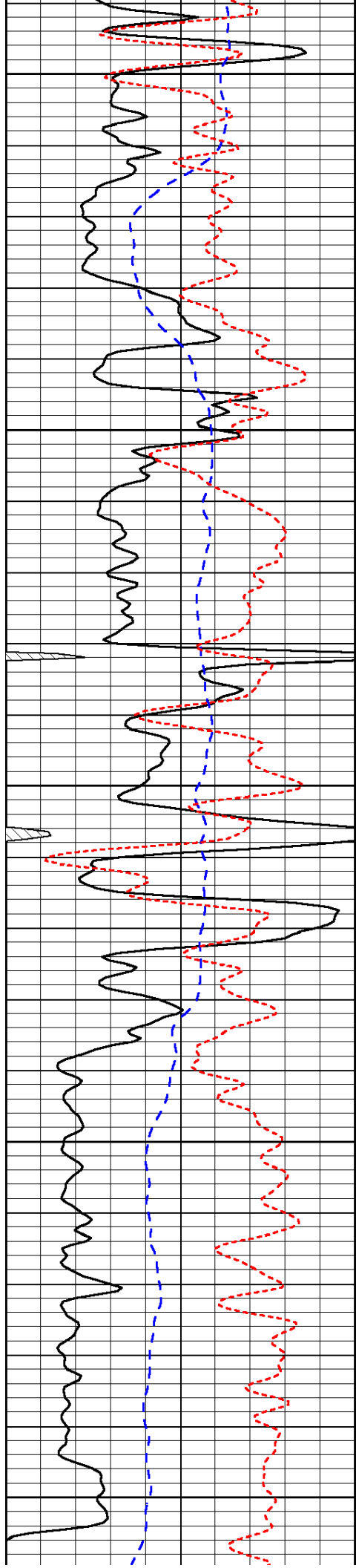


-31

-31

-31

-31



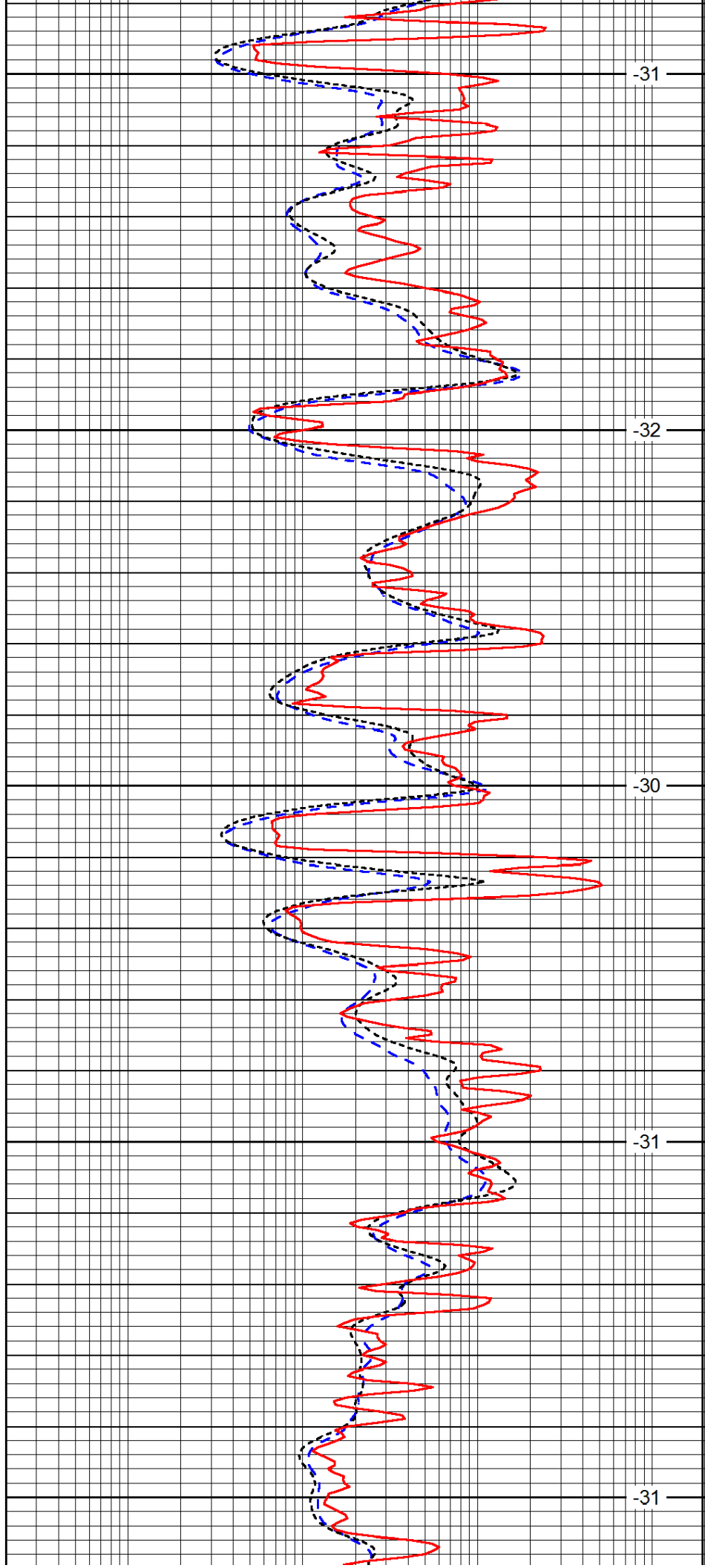
3150

3200

3250

3300

3350



-31

-32

-30

-31

-31

