



Dual Induction Log

Pioneer Energy Services

API No.	15-135-25,446-00-00		
Company	American Warrior, Inc.		
Well	Strecker No. 5 - 6		
Field	DeWald North		
County	Ness	State	Kansas
Location	950' FSL & 775' FWL		
Sec: 6	Twp: 19 S	Rge: 21 W	Other Services CNL/CDL
Permanent Datum	Ground Level	Elevation 2147	Elevation
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	K.B. 2155
Drilling Measured From	Kelly Bushing		D.F. 2147
Date	8/15/2012		
Run Number	One		
Depth Driller	4275		
Depth Logger	4280		
Bottom Logged Interval	4279		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	223		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	6.100		
Density / Viscosity	9.4 60		
pH / Fluid Loss	9.0 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.31 @ 84		
Rmf @ Meas. Temp	.23 @ 84		
Rmc @ Meas. Temp	.42 @ 84		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.22 @ 119		
Operating Rig Time	3 1/2 Hours		
Max Rec. Temp. F	119		
Equipment Number	17		
Location	Hays		
Recorded By	D. Martin		
Witnessed By	Jason Alm		

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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

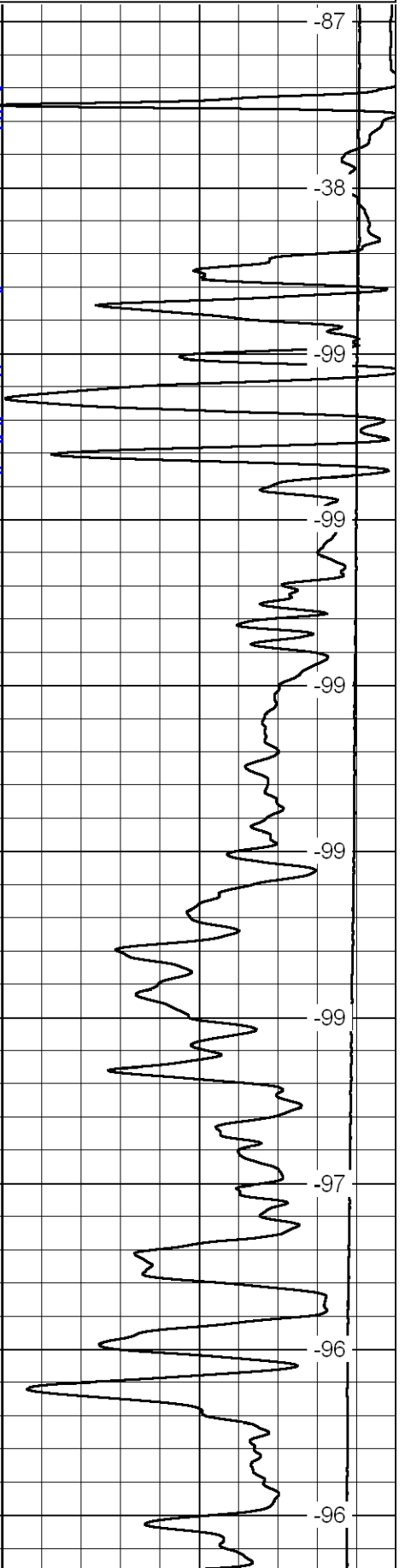
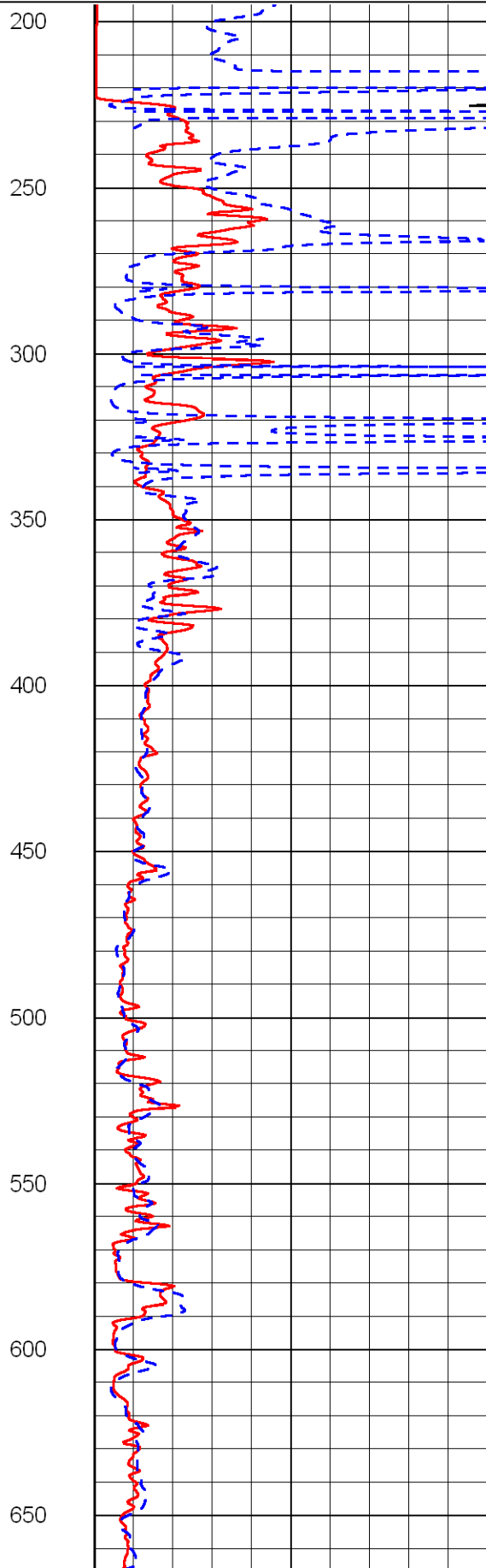
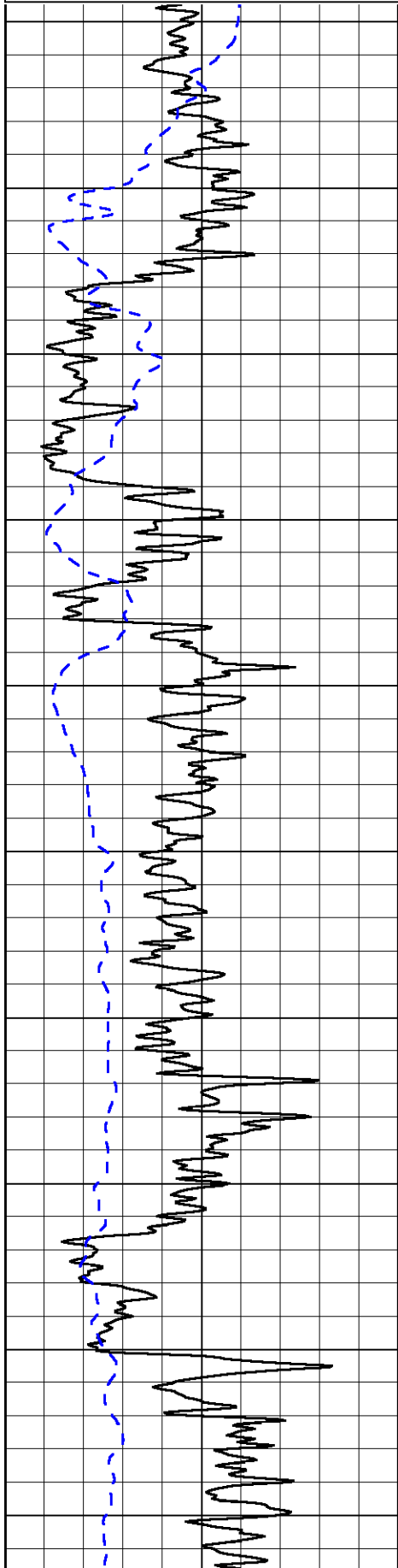
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Bazine, KS
W Edge of town, 2 S to 110 Rd.,
1/4 E, NW Into

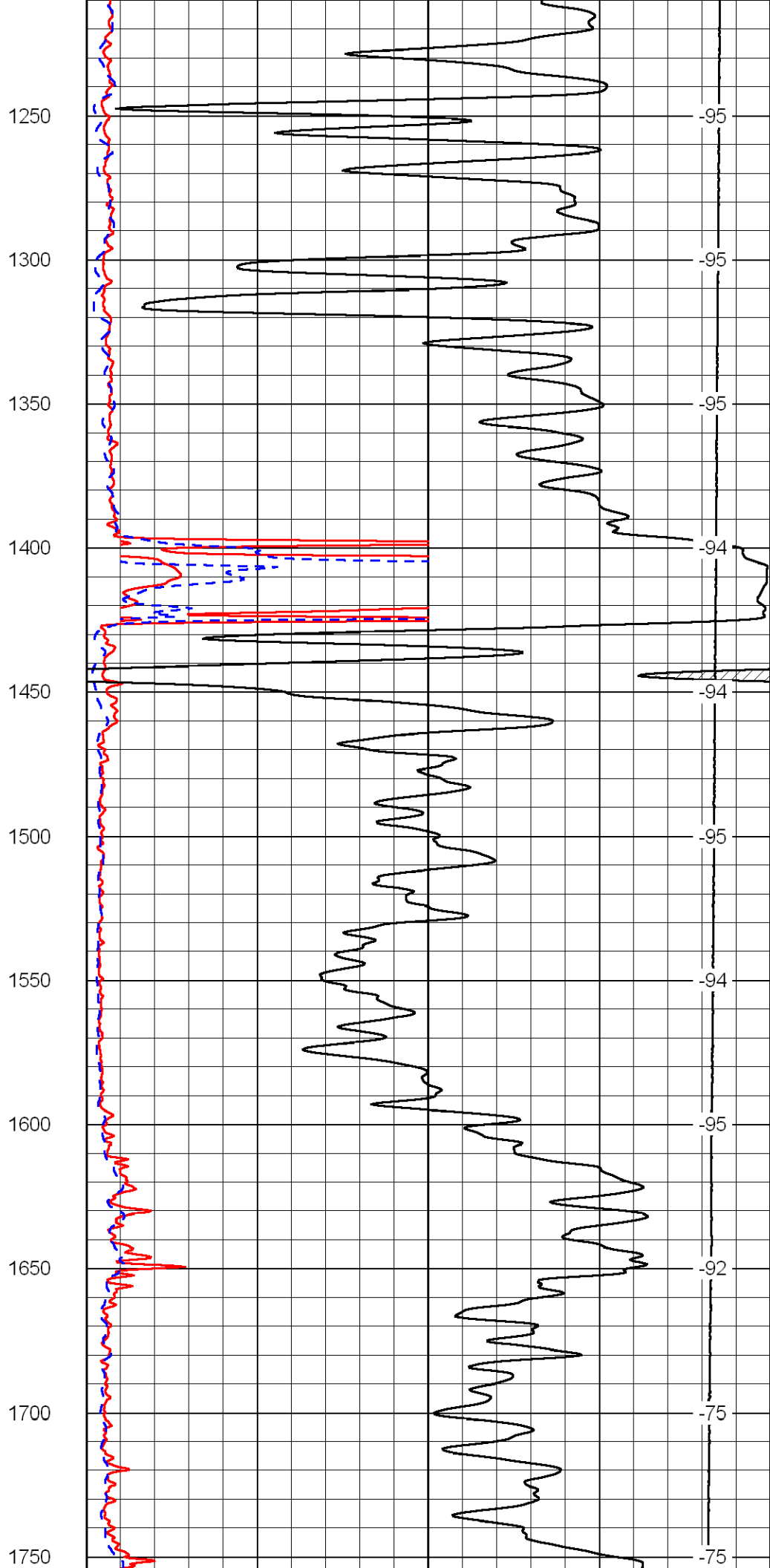
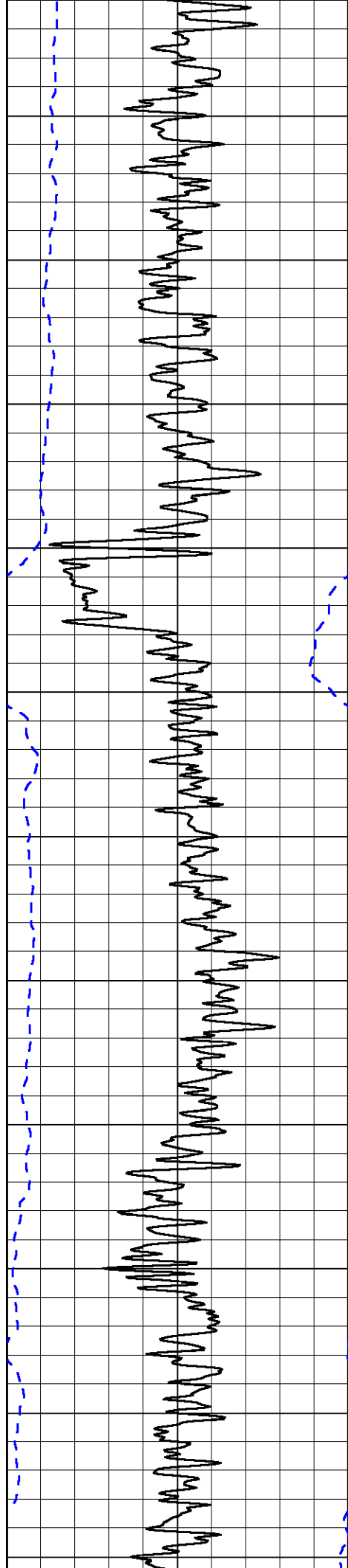
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Dataset Pathname: DIL/amwastk
Presentation Format: dil2in
Dataset Creation: Thu Aug 16 10:41:24 2012
Charted by: Depth in Feet scaled 1:600

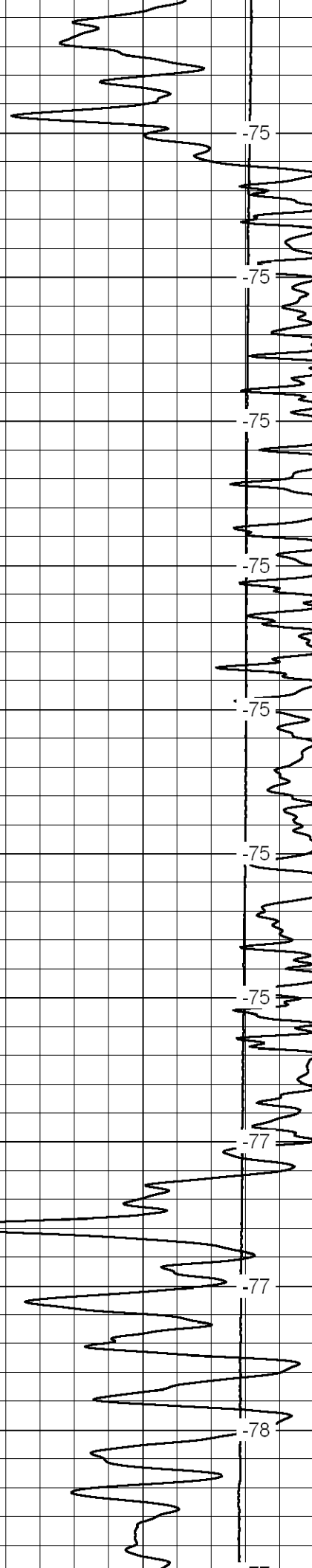
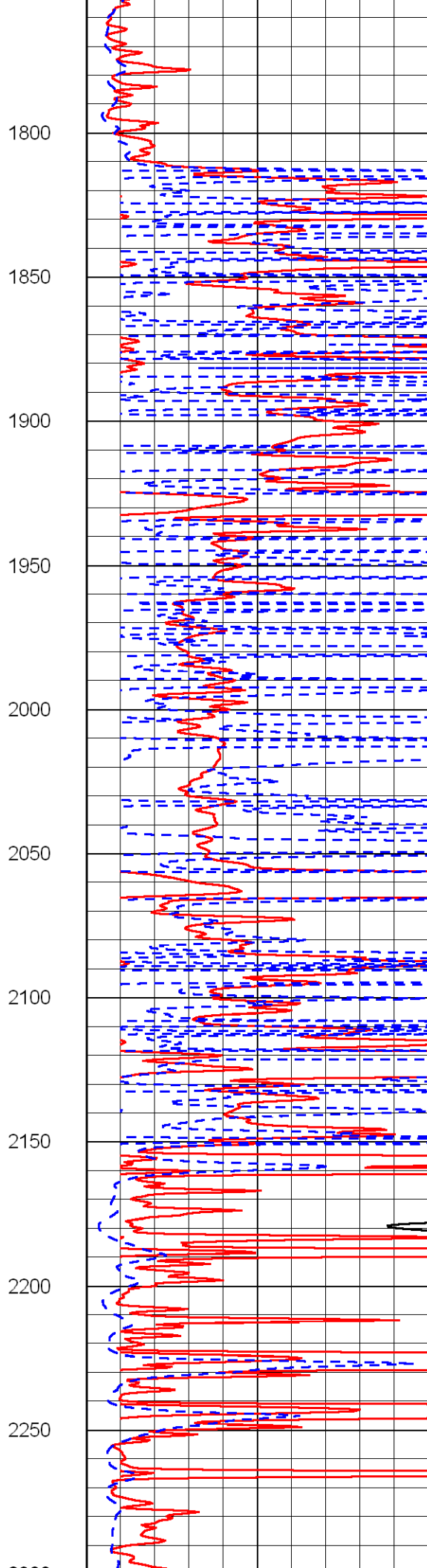
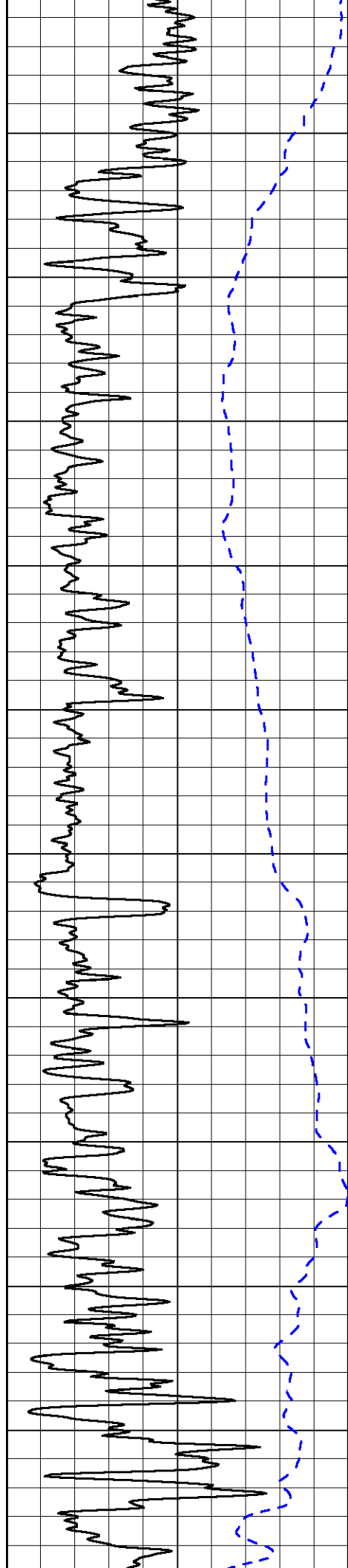
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-200	SP	0

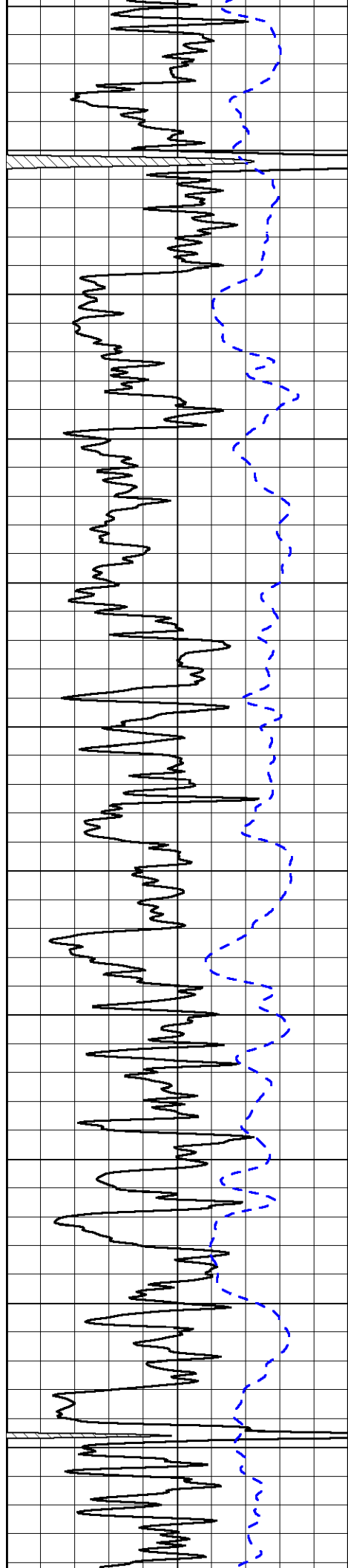
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

LSPD

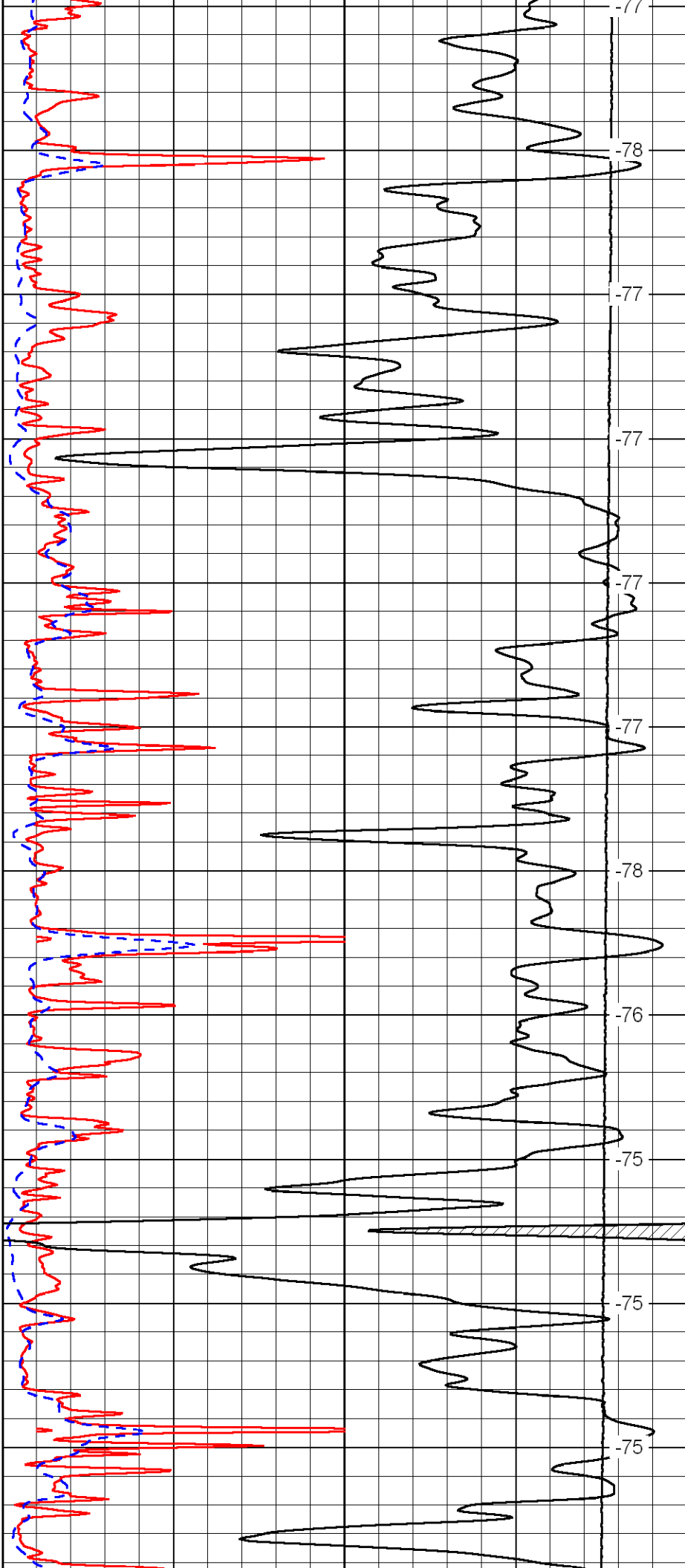


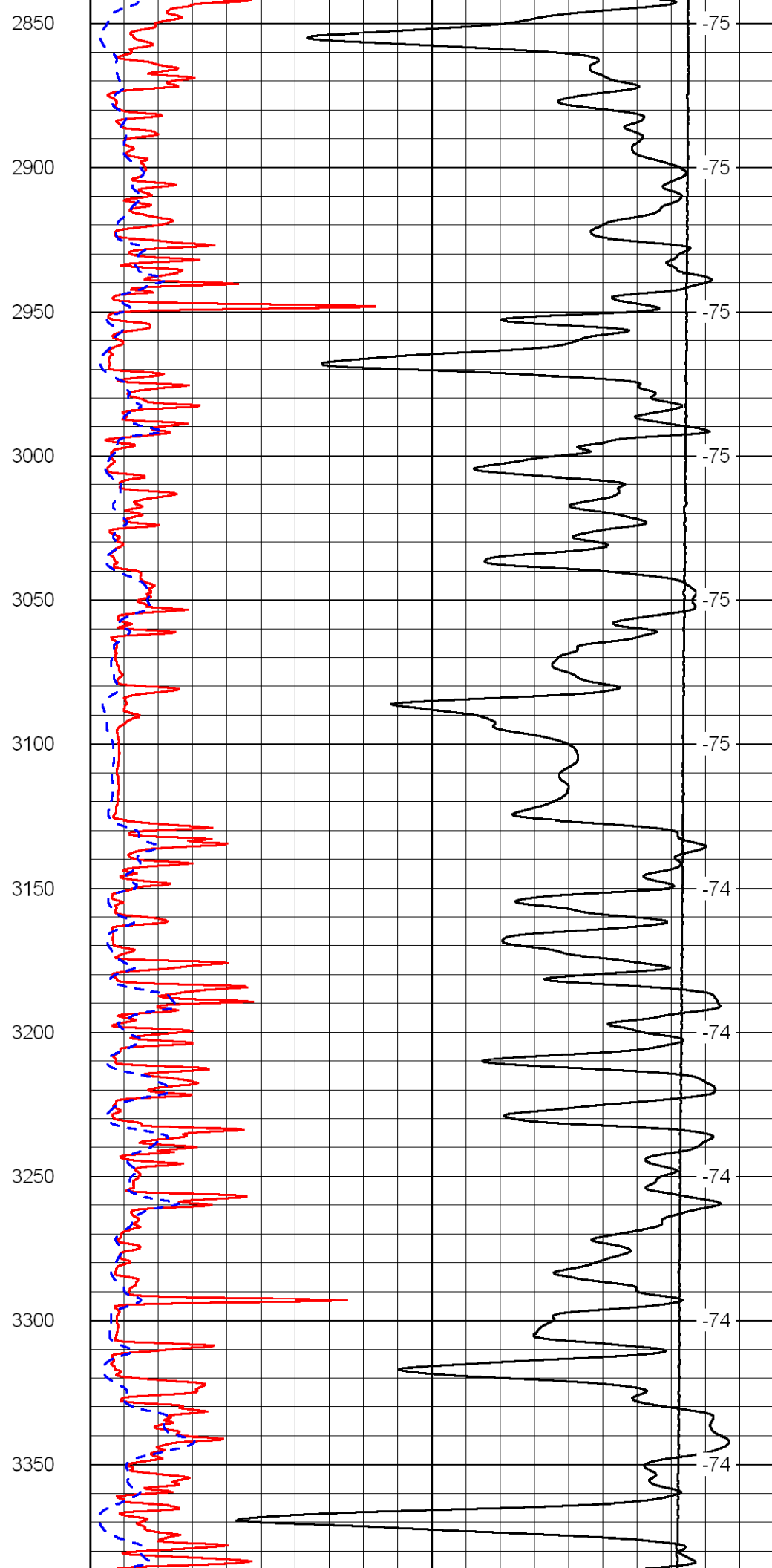
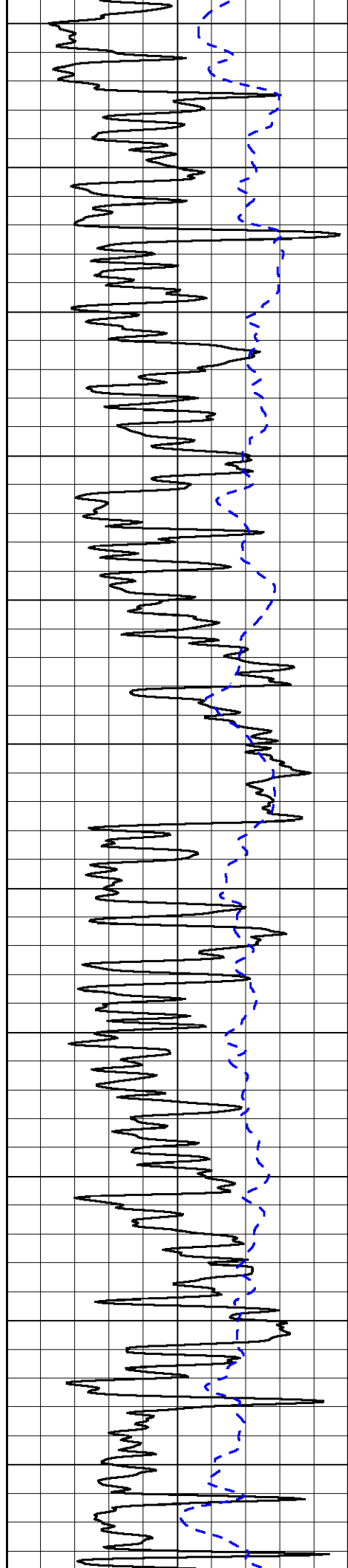


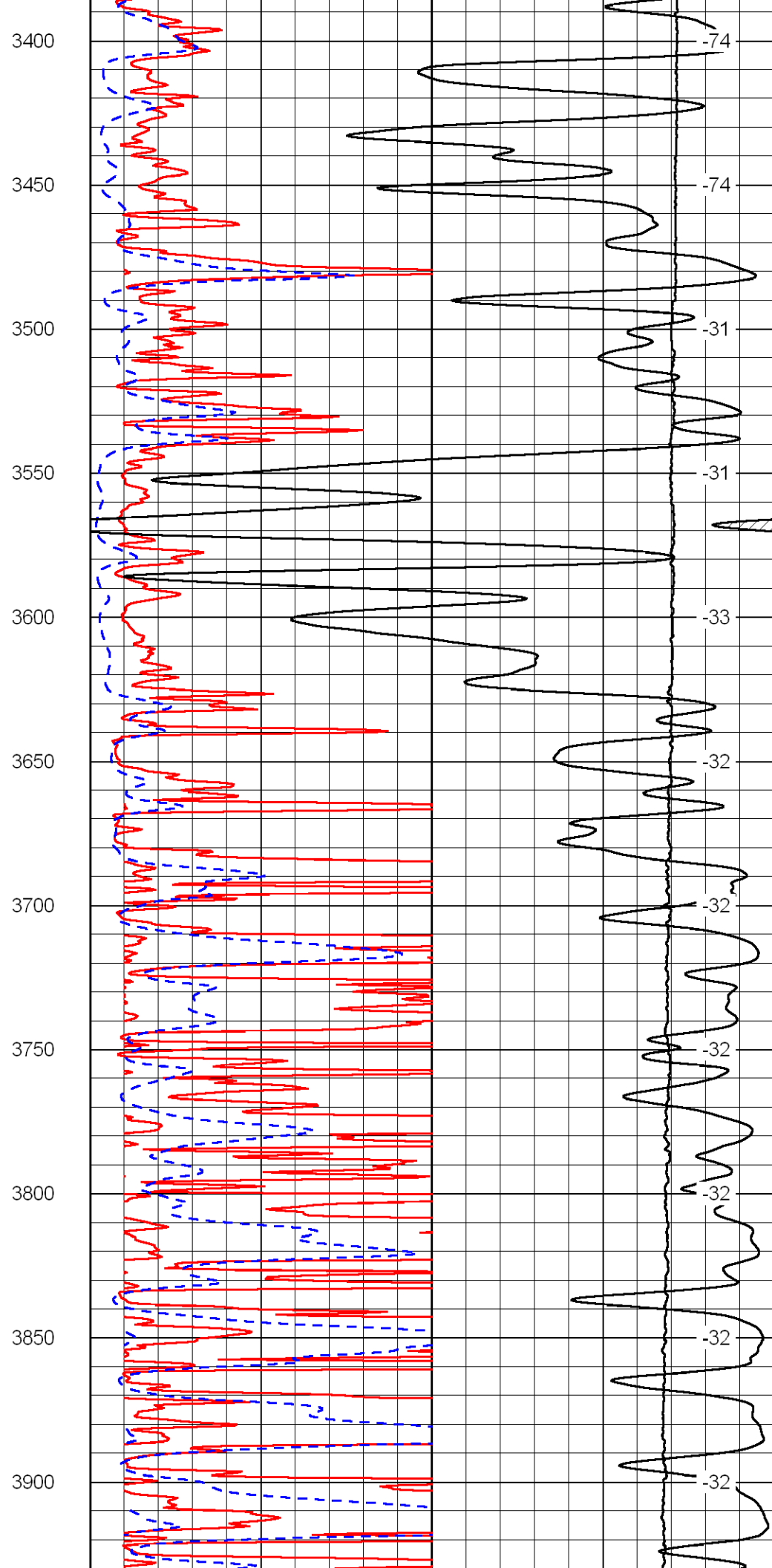
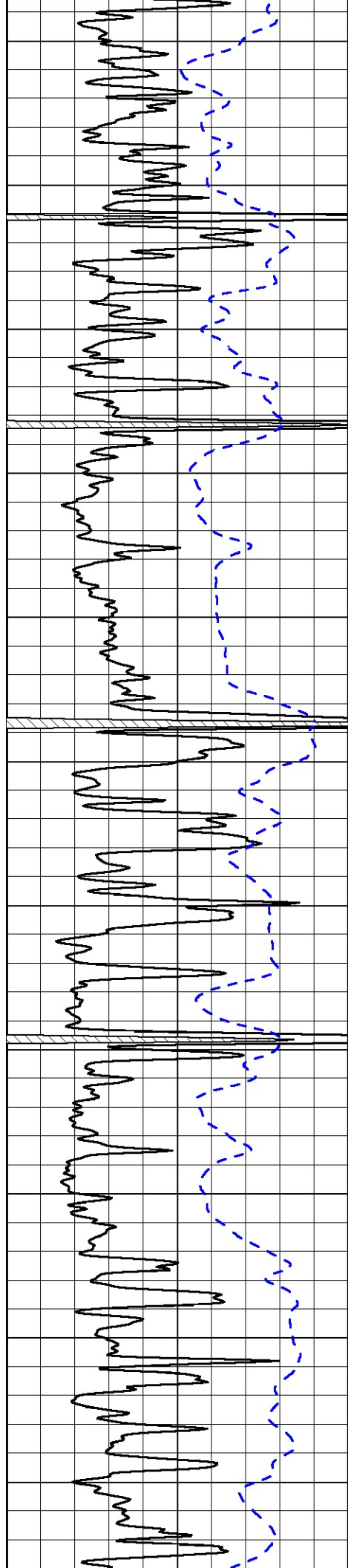


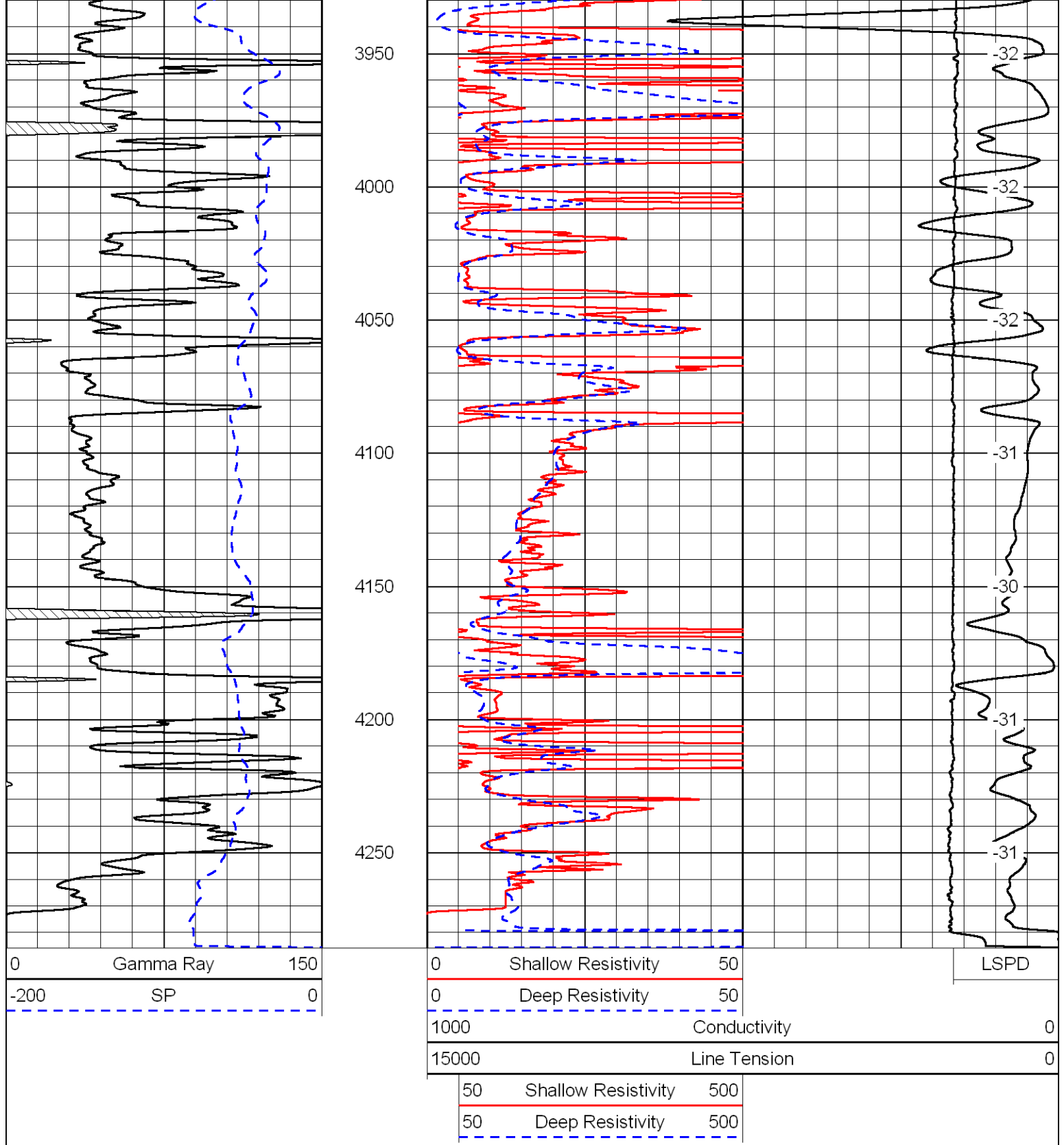


2300
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2500
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2750
2800



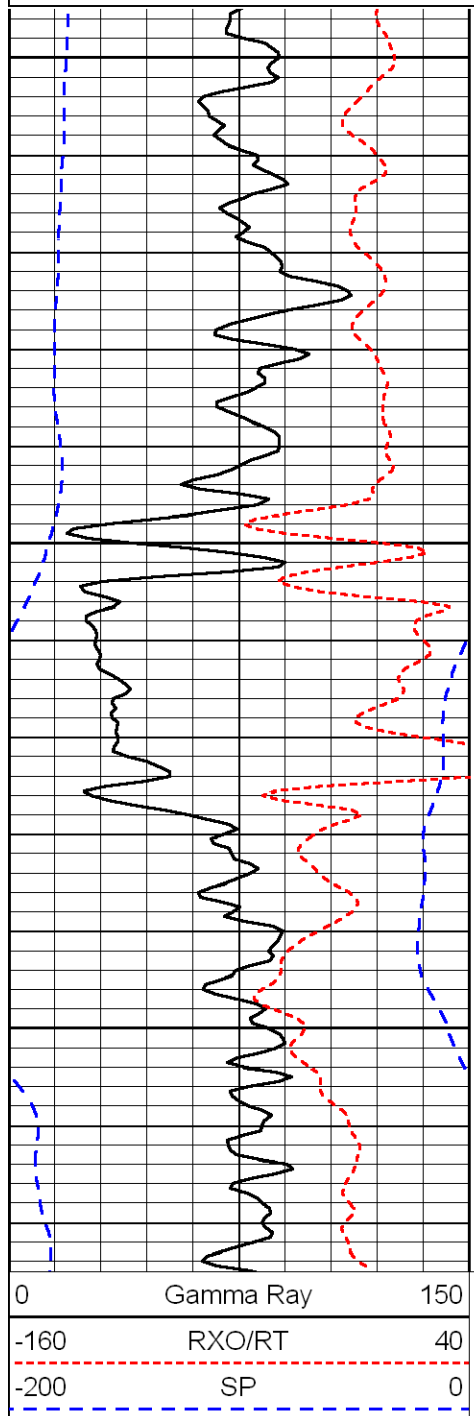






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Dataset Pathname: DIL/amwastk
Presentation Format: dil
Dataset Creation: Thu Aug 16 10:41:24 2012
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-160	RXO/RT	40	0.2	Medium Resistivity	2000
-200	SP	0	0.2	Shallow Resistivity	2000
			15000	Line Tension	0

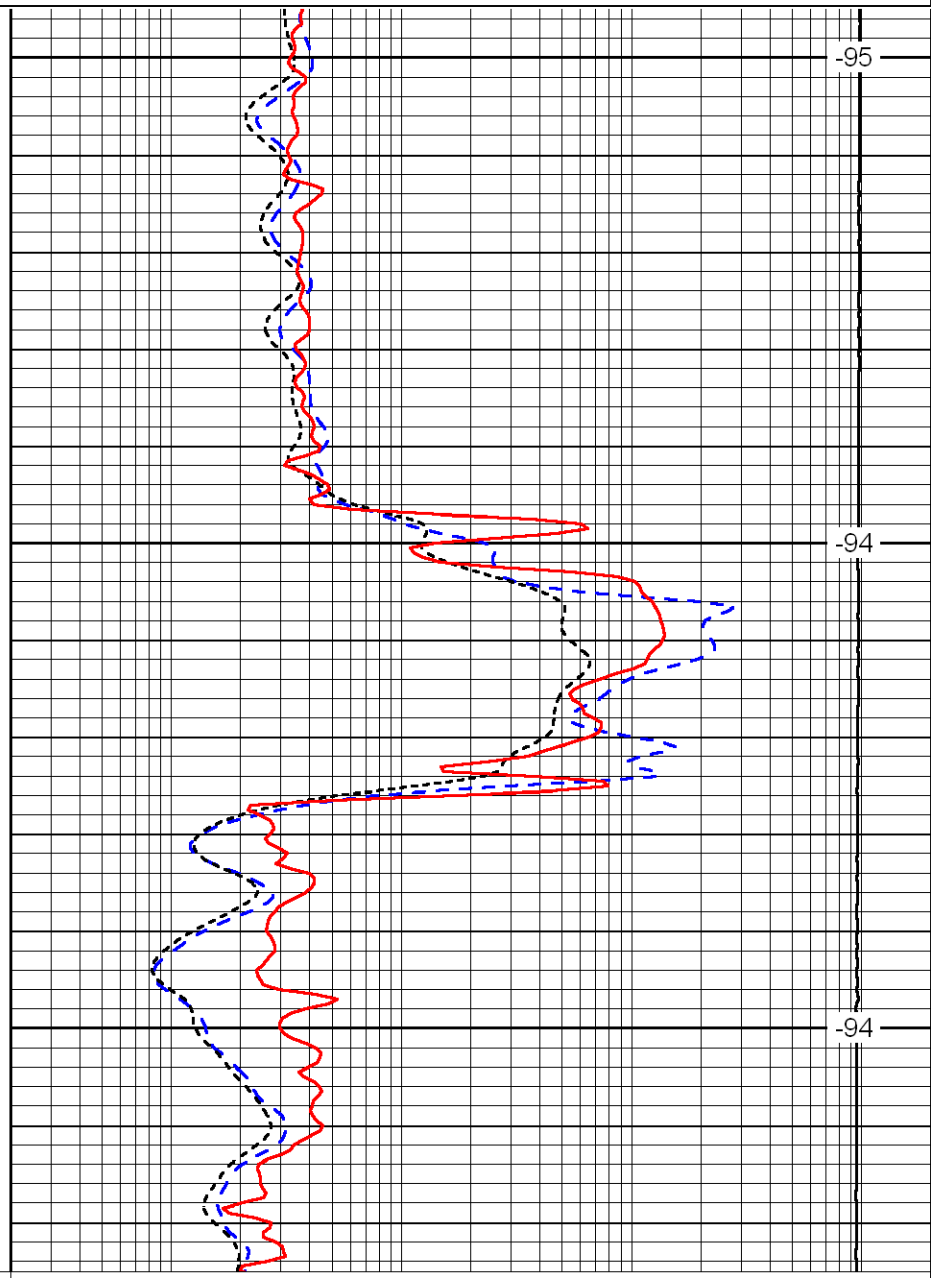


1350

1400

1450

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



-95

-94

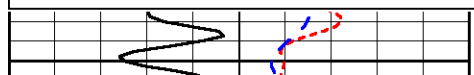
-94

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

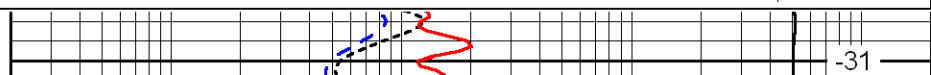
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0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

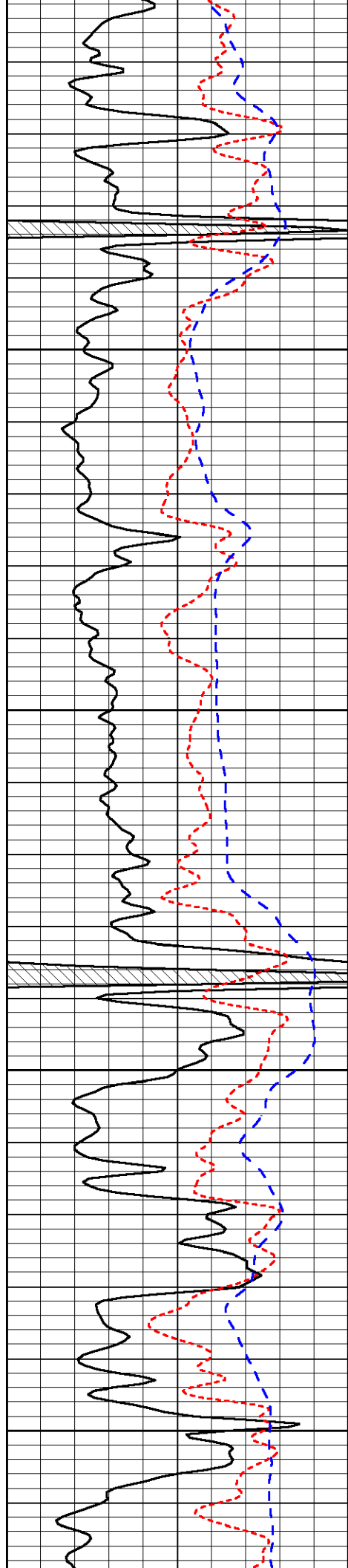
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0



3500



-31

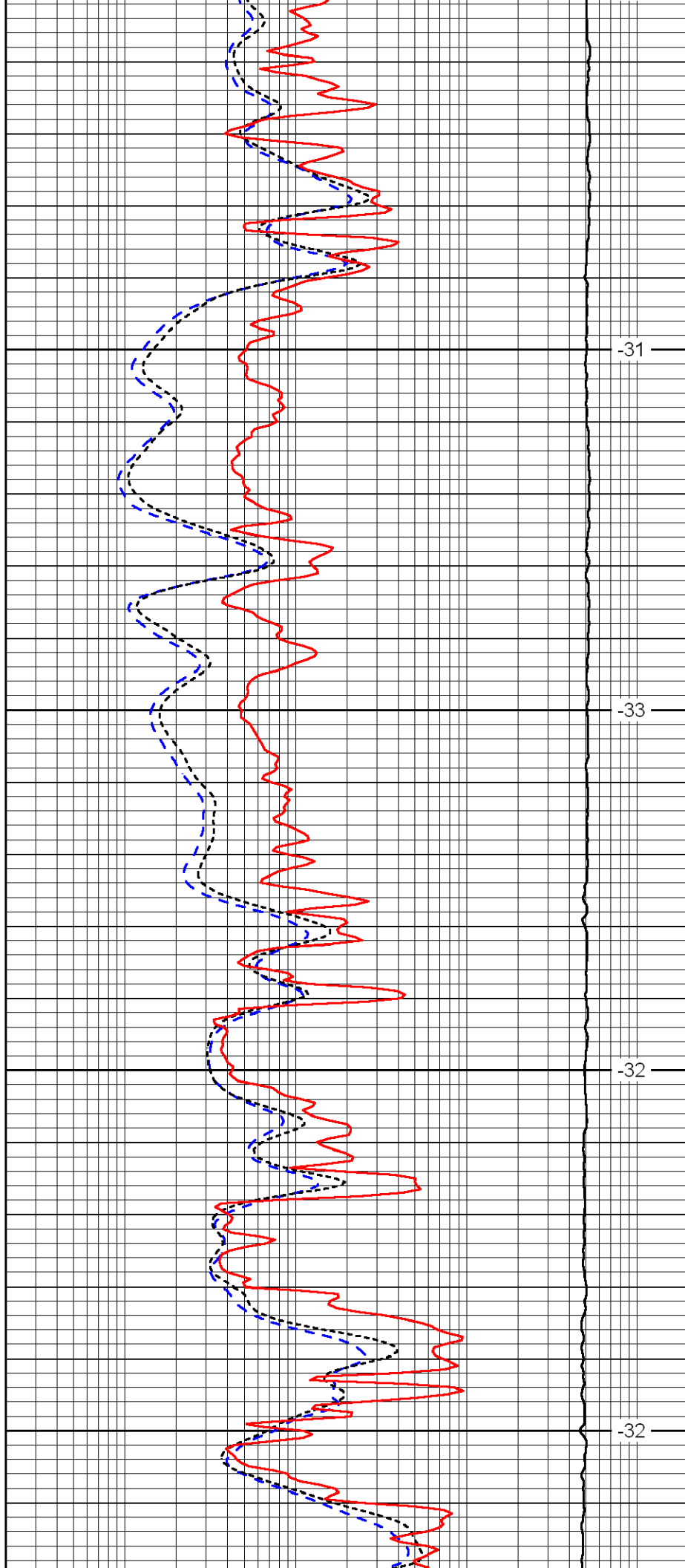


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3600

3650

3700

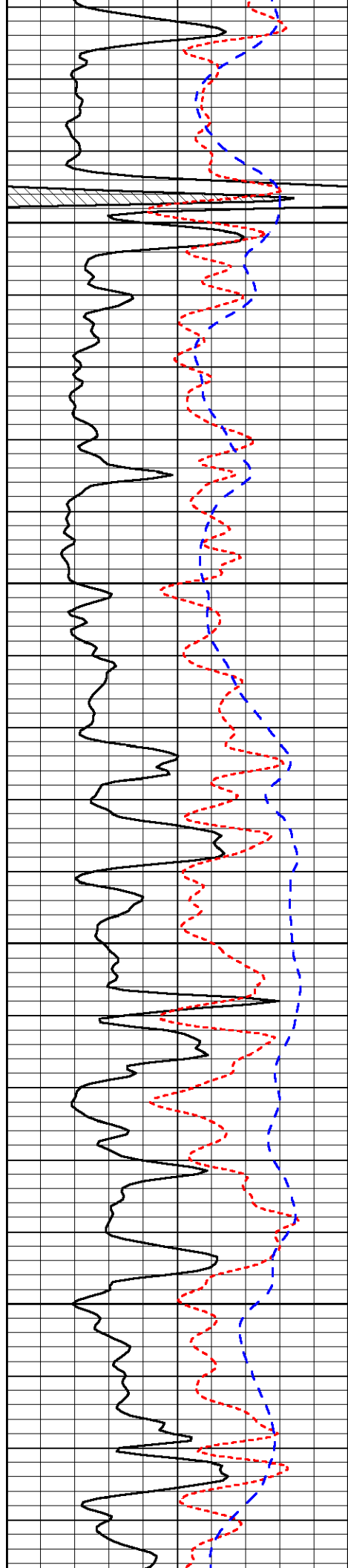


-31

-33

-32

-32

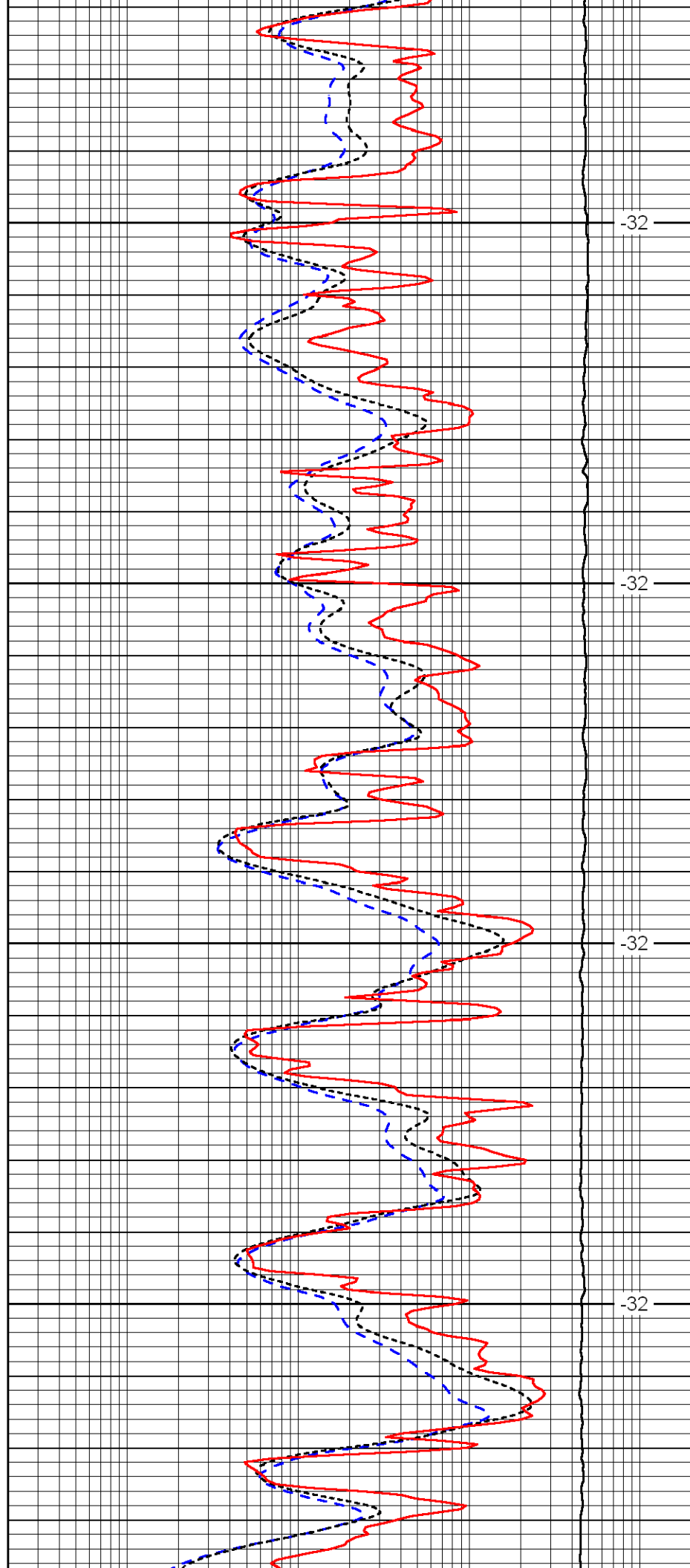


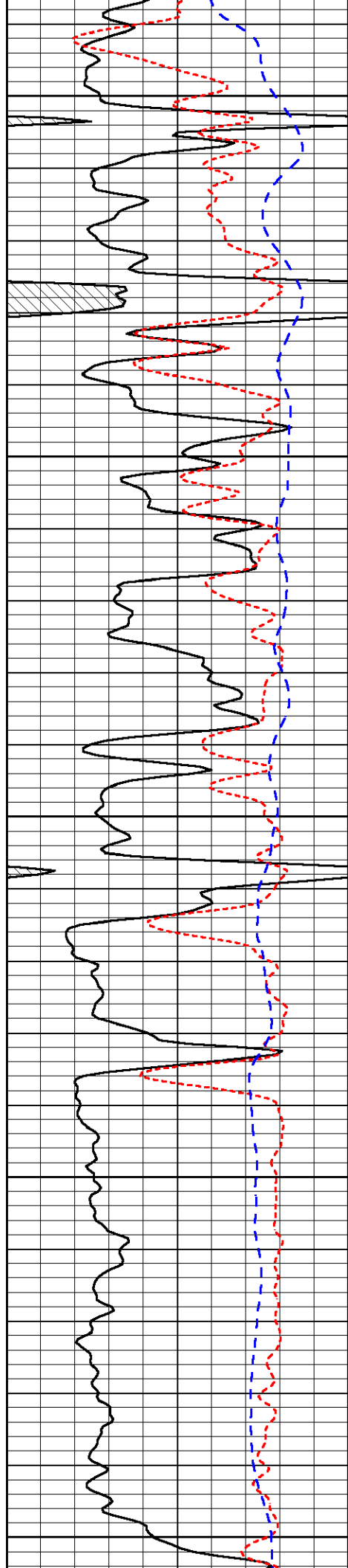
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3800

3850

3900





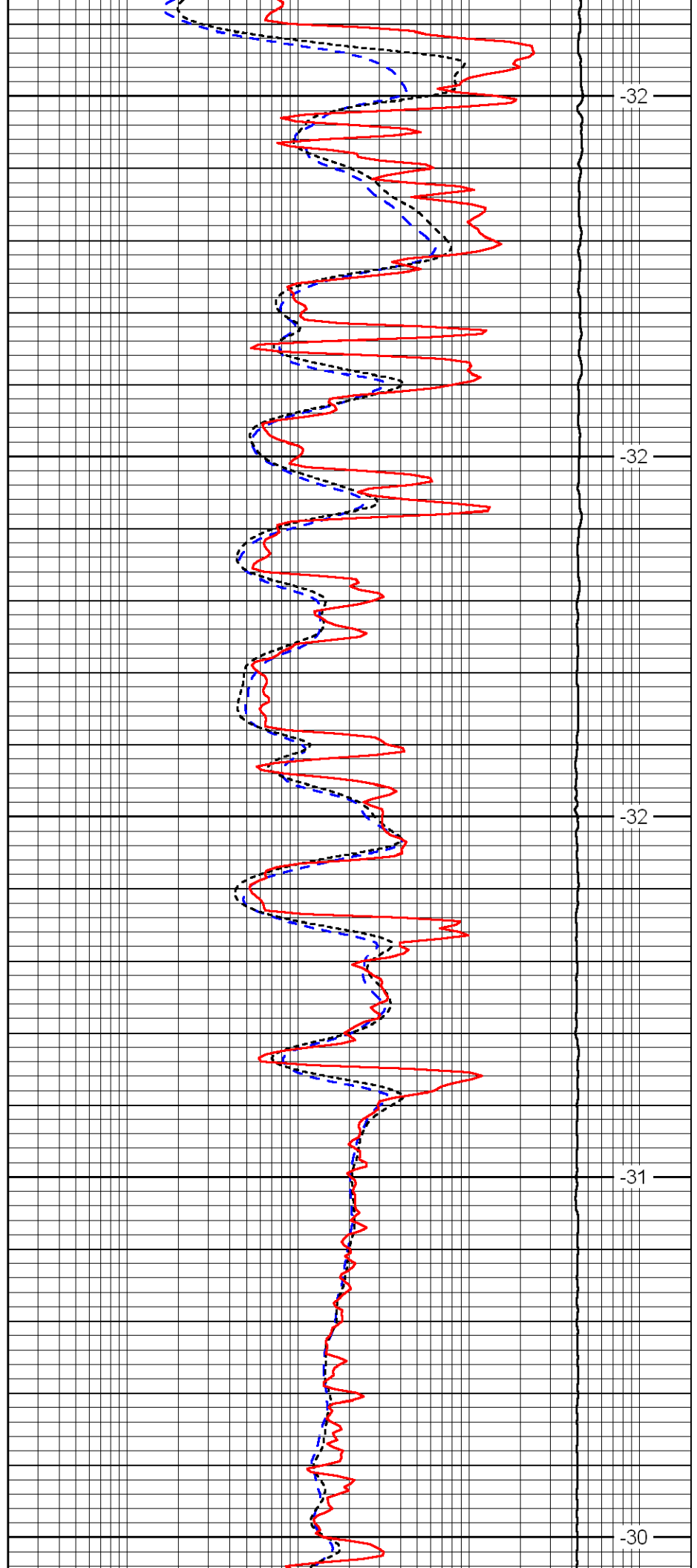
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4050

4100

4150



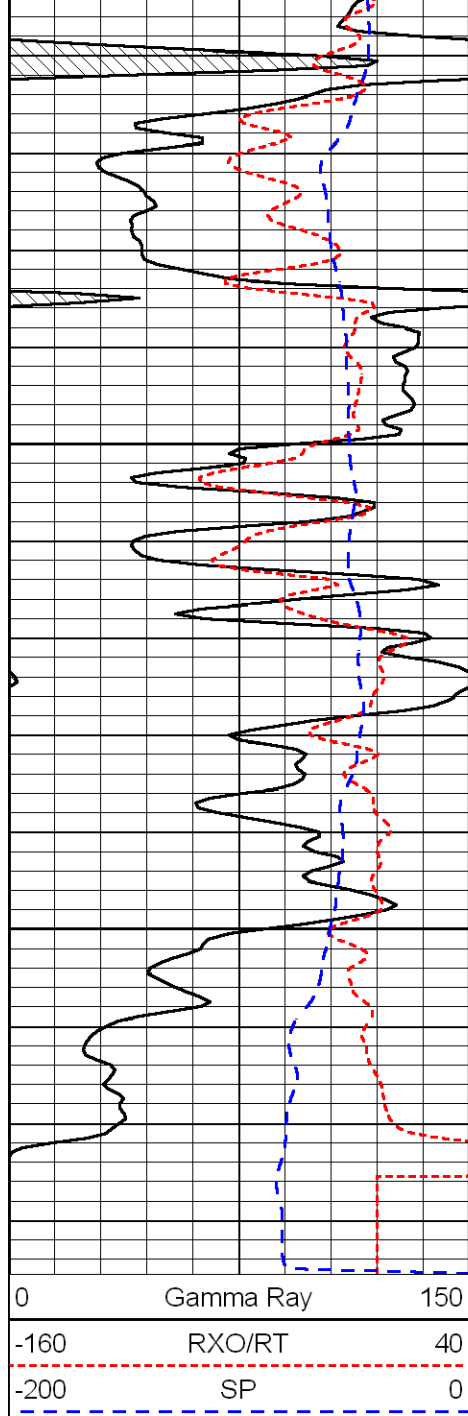
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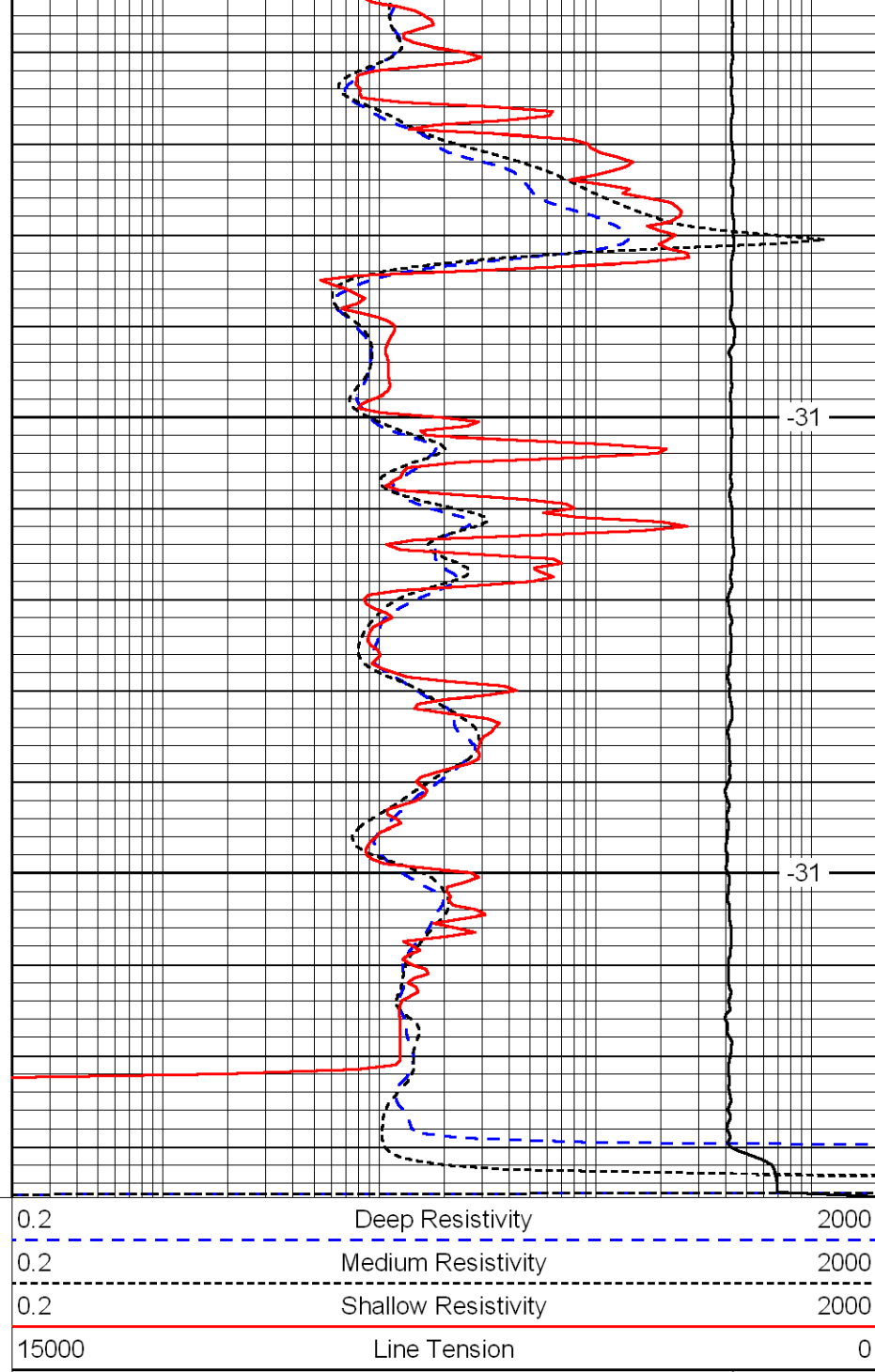
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-30



4200

4250



-31

-31

LSPD