



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-051-25,952-00-00	
Company	Bowman Oil Company	
Well	Arnhold #2	
Field	Bemis-Shutts	
County	Ellis	State
Location	NE NW SW	Kansas
Sec: 13	Twp: 12 S	Rge: 18 W
Permanent Datum	Ground Level	Elevation 2152
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	K.B. 2157
		D.F. 2152
		G.L. 2152
		Other Services CNL / CDL MEL

Date	1/29/2010
Run Number	One
Depth Driller	3729
Depth Logger	3729
Bottom Logged Interval	3728
Top Log Interval	200
Casing Driller	8.625 @ 217
Casing Logger	218
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	3.200
Density / Viscosity	9.3 58
pH / Fluid Loss	10.4 8.0
Source of Sample	Flowline
Rm @ Meas. Temp	.84 @ 62
Rmf @ Meas. Temp	.63 @ 62
Rmc @ Meas. Temp	1.13 @ 62
Source of Rmf / Rmc	Charts
Rm @ BHT	.46 @ 113
Operating Rig Time	3 Hours
Max Rec. Temp. F	113
Equipment Number	17
Location	Hays
Recorded By	T. Martin
Witnessed By	Roger Moses
	Bill Bowman

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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

Hays, N to Buckeye Rd, 2 E to 270th, 1/2 N, E into

Database File: c:\warrior\data\bowman_arnhold #2\bwmnhd.db
 Dataset Pathname: dil/bwmnstk
 Presentation Format: dil2in
 Dataset Creation: Fri Jan 29 16:19:06 2010
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150
-200 SP (MV) 0

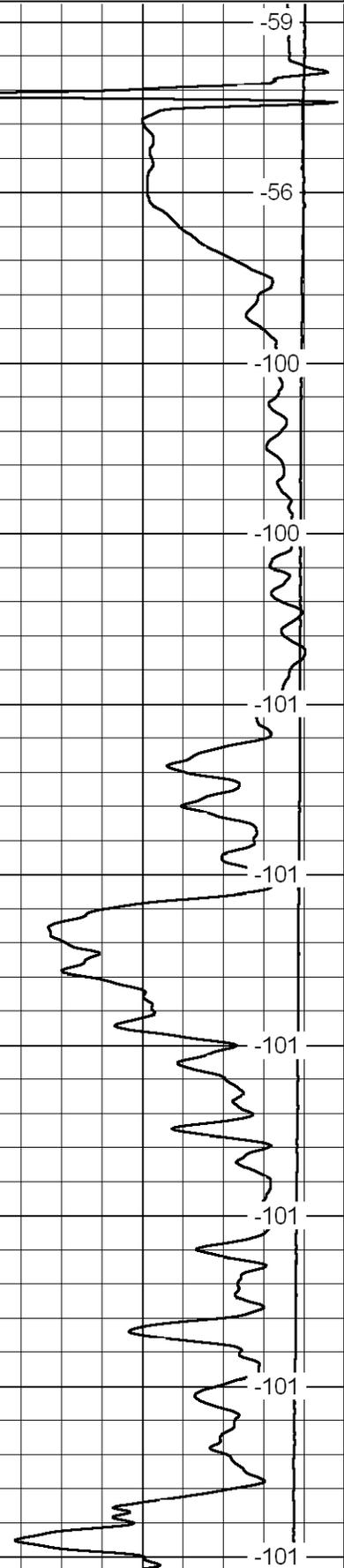
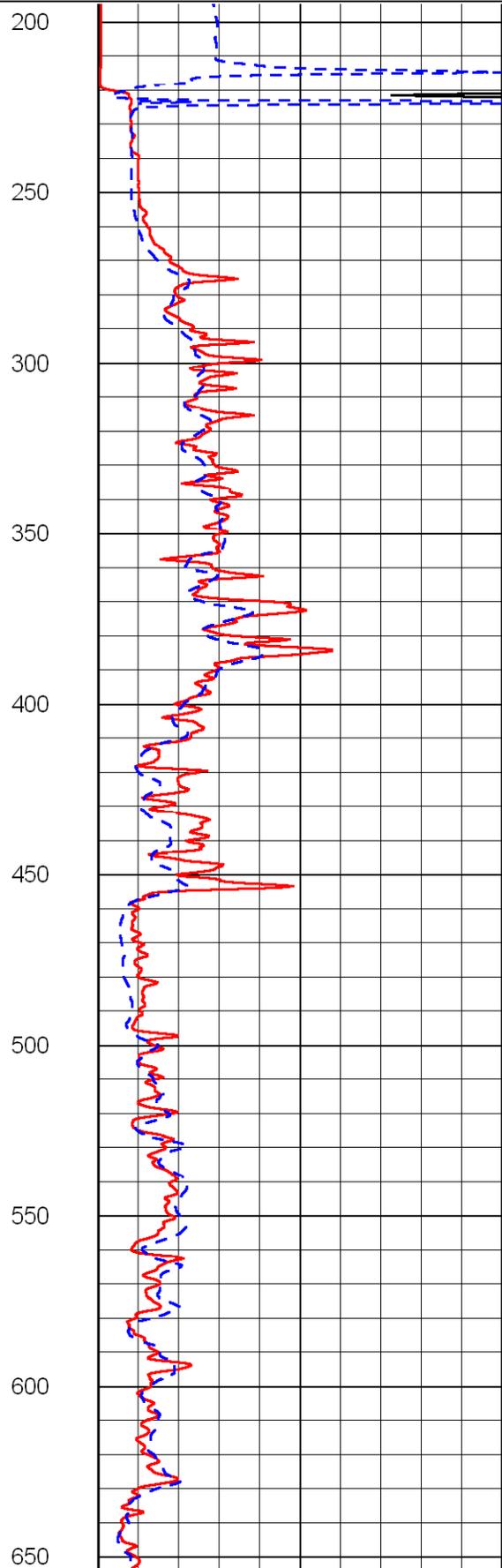
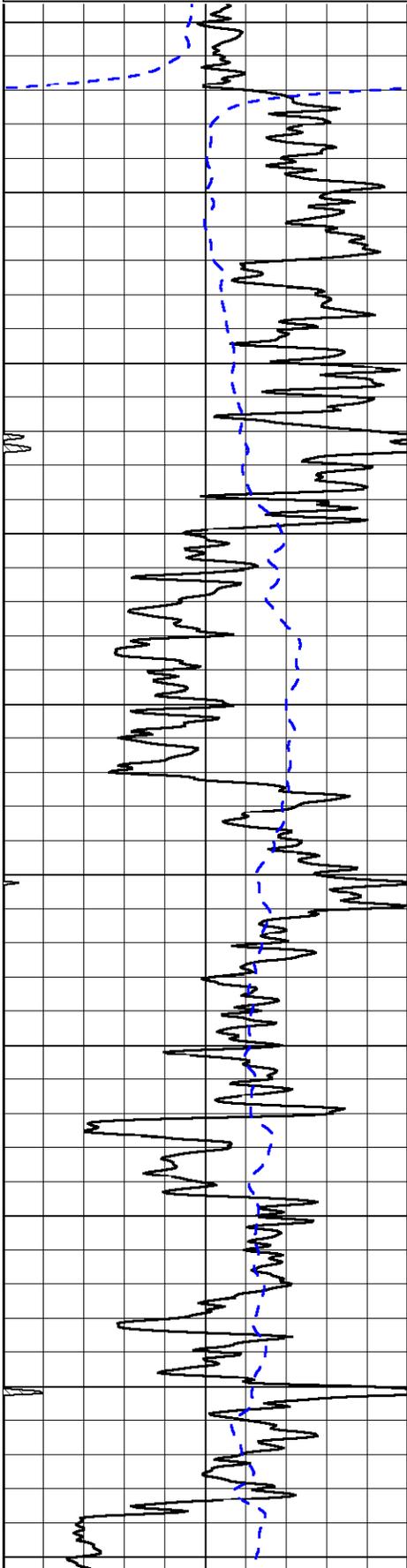
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50

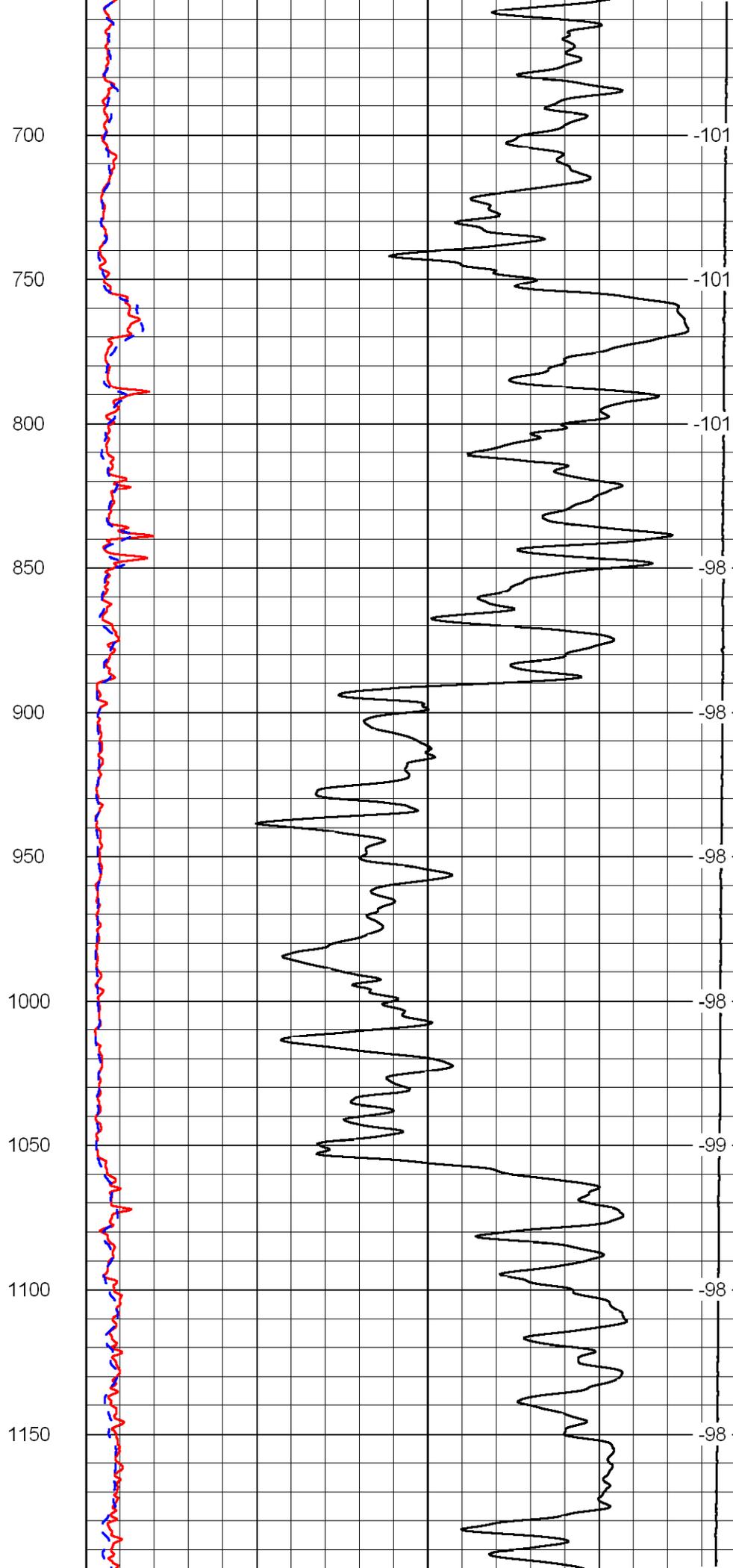
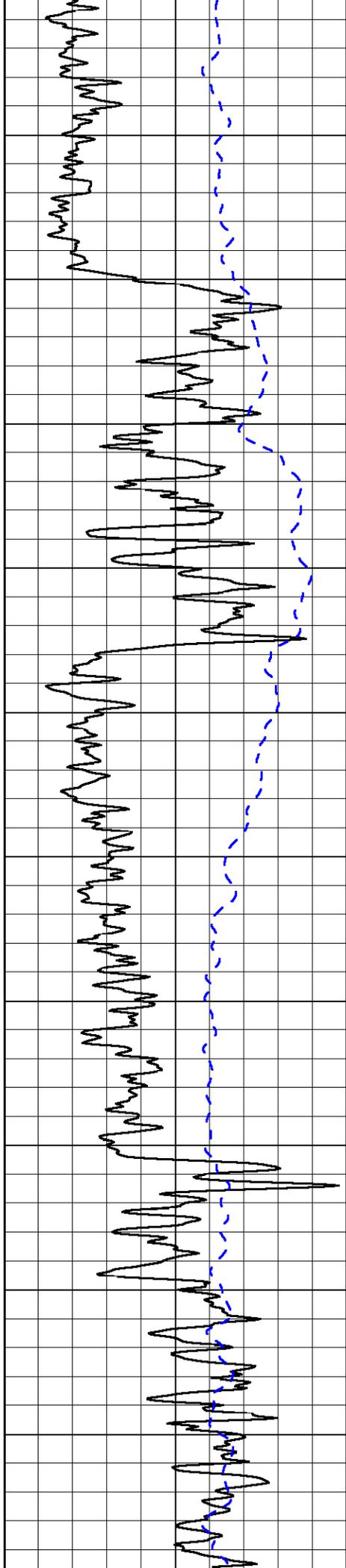
LSPD
(ft/min)

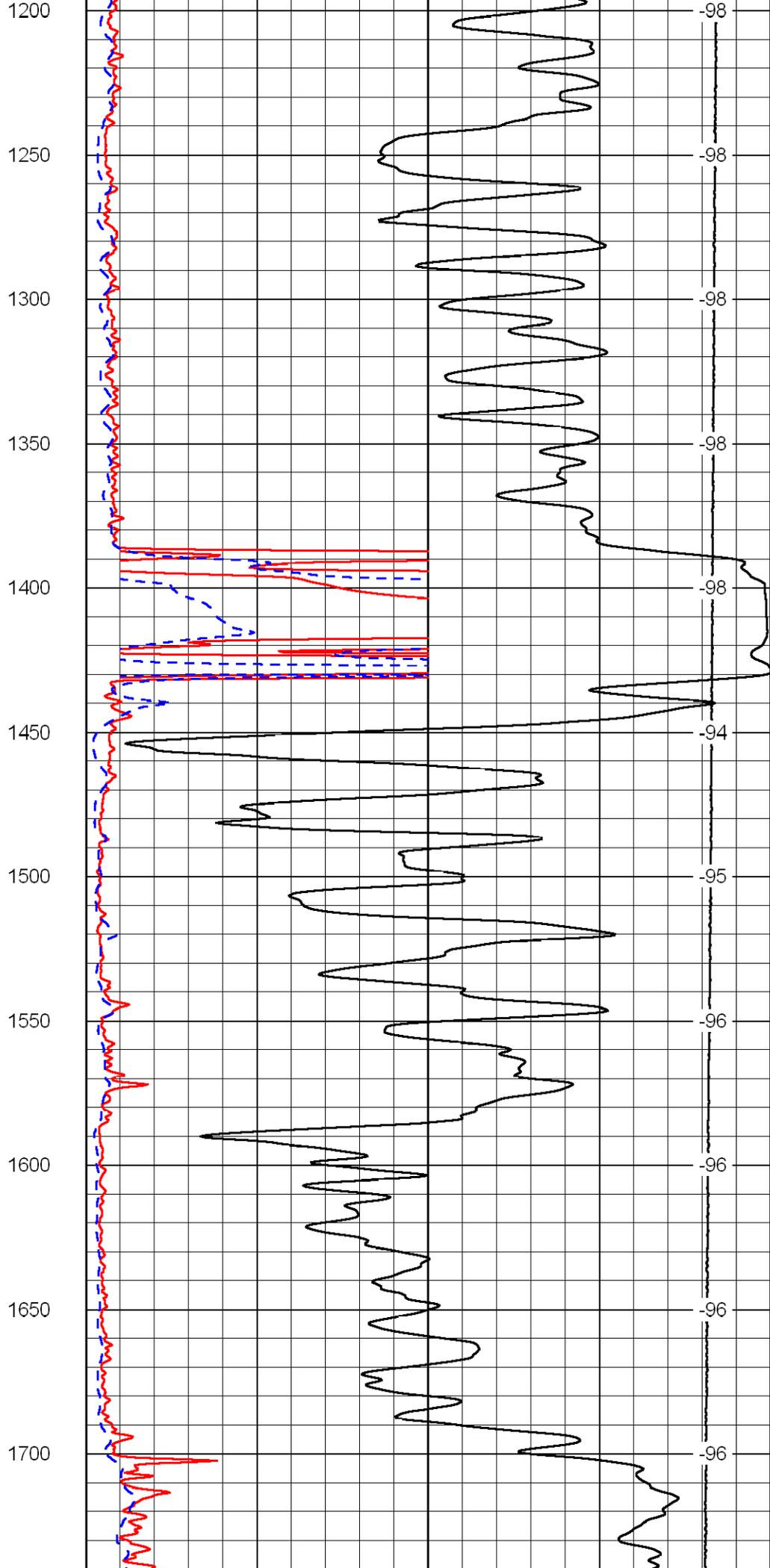
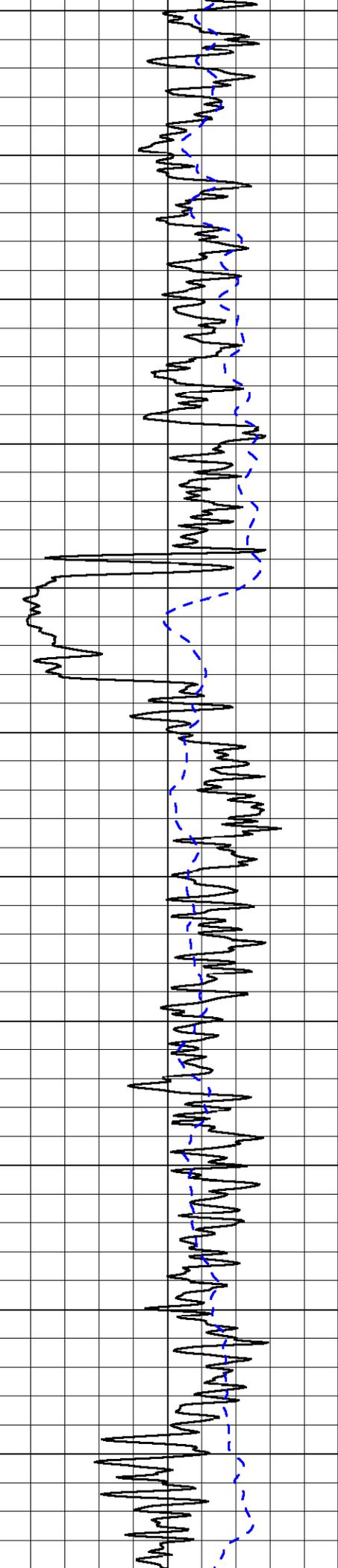
1000 Conductivity (mmho/m) 0

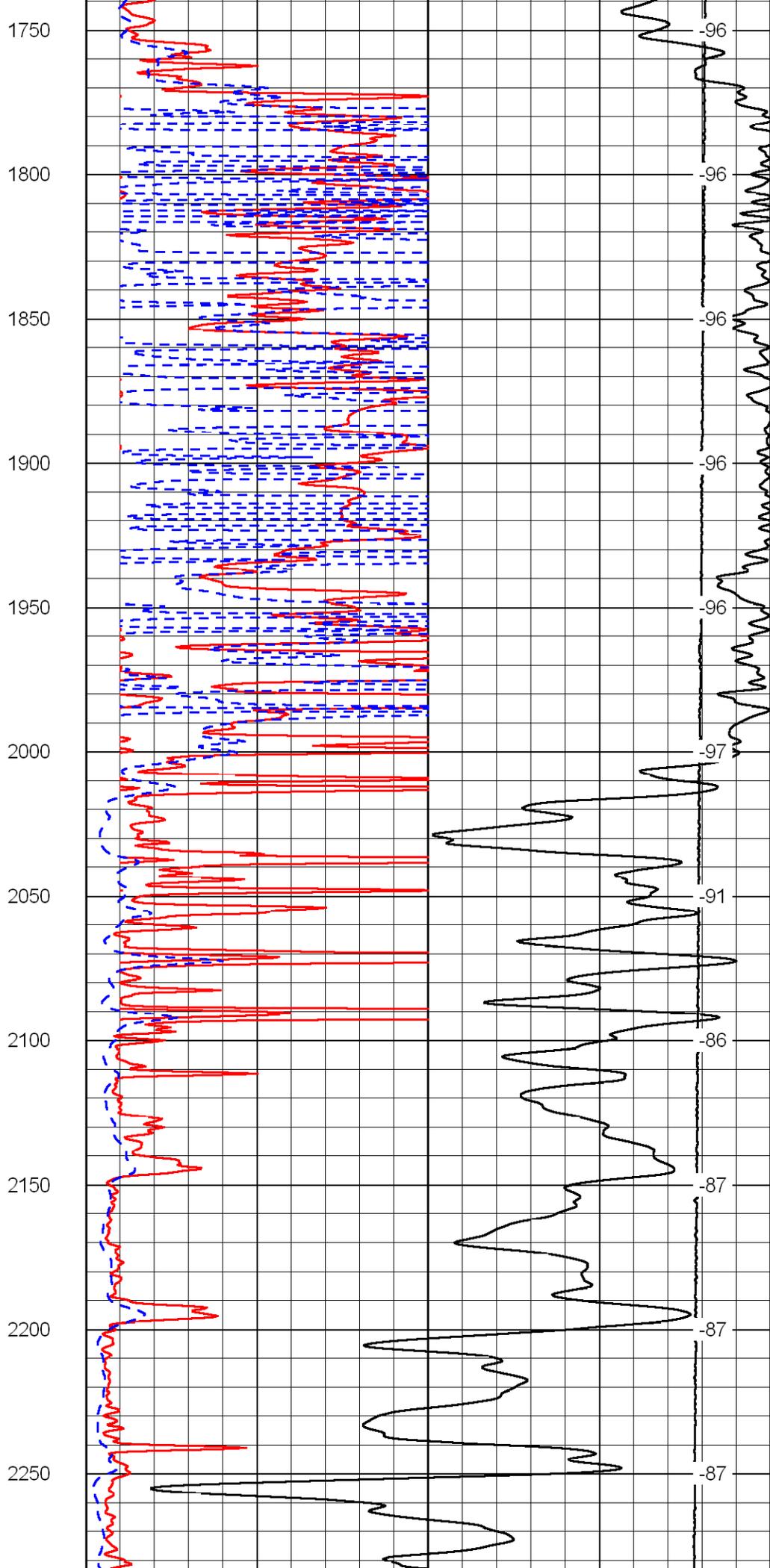
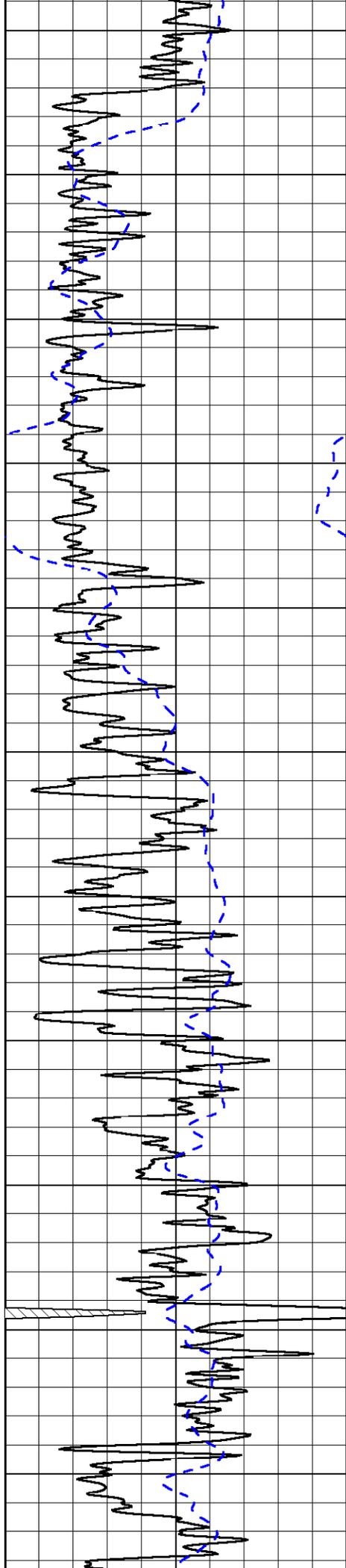
15000 Line Tension (lb) 0

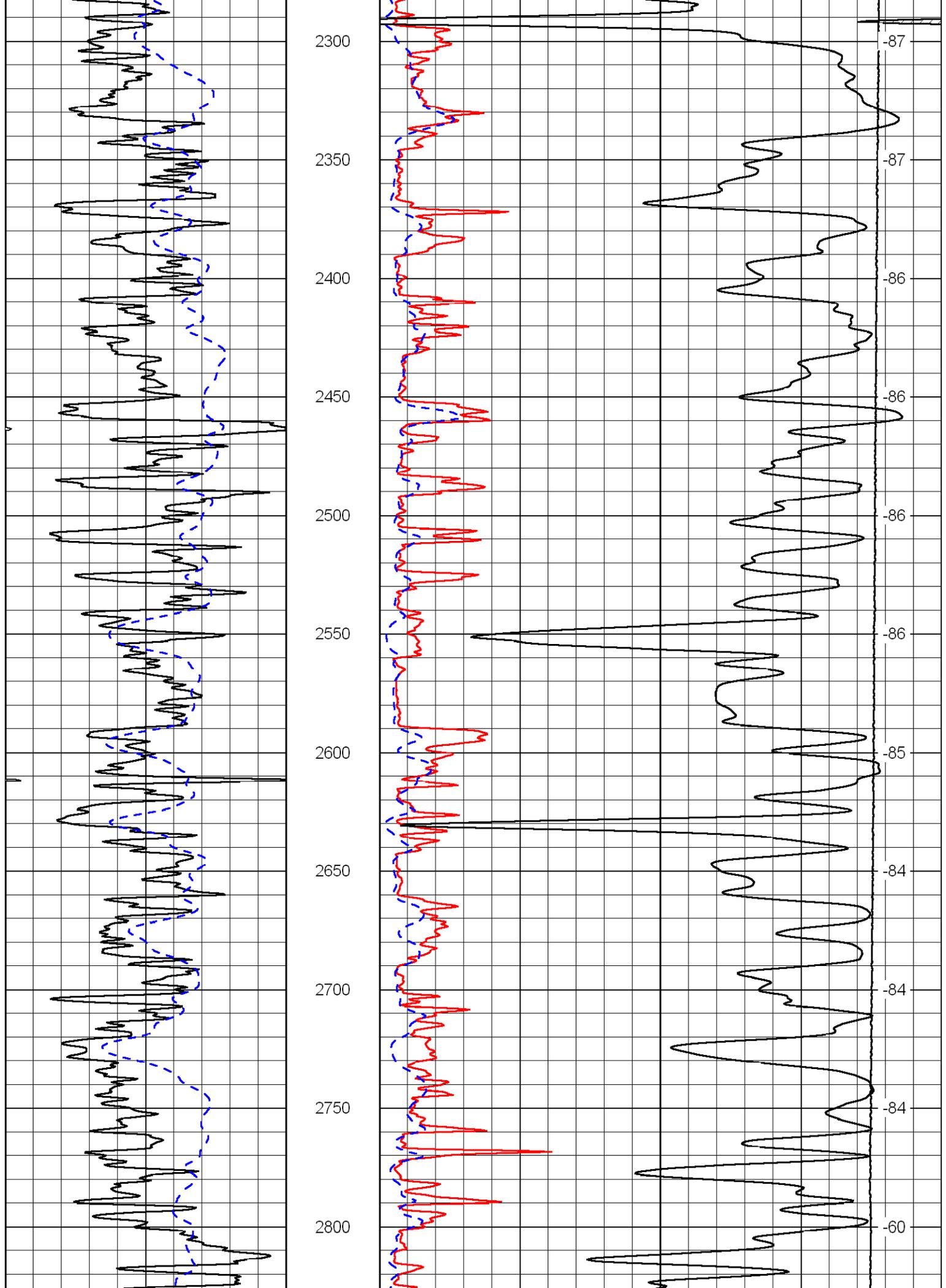
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500

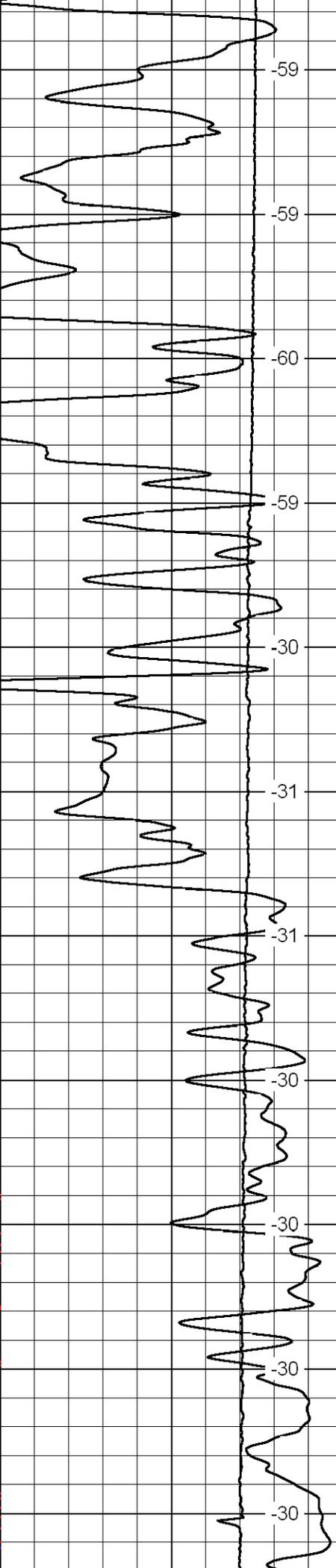
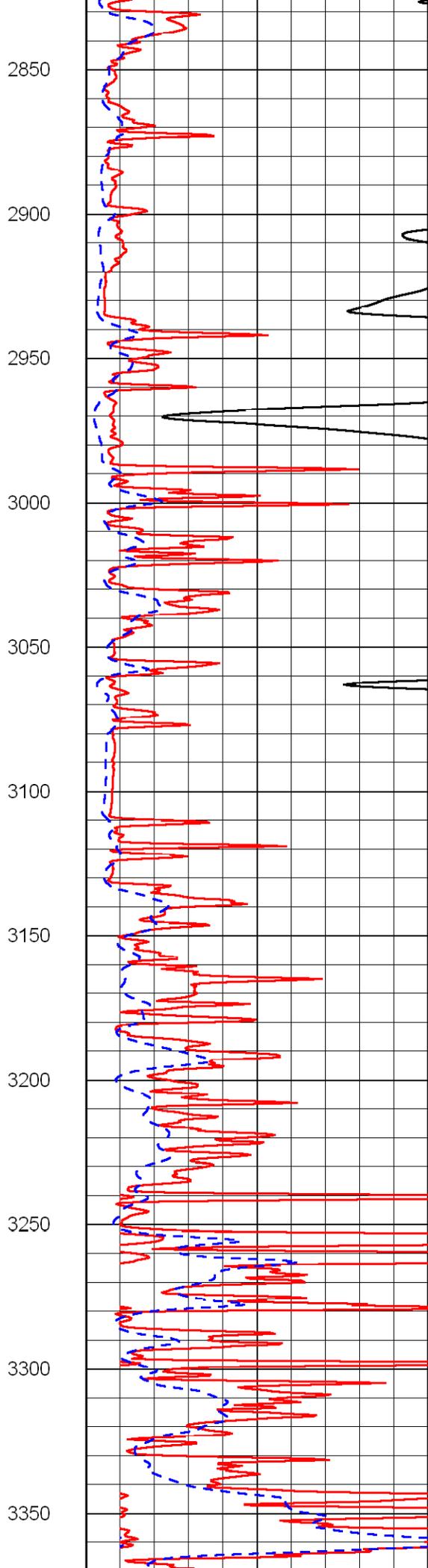
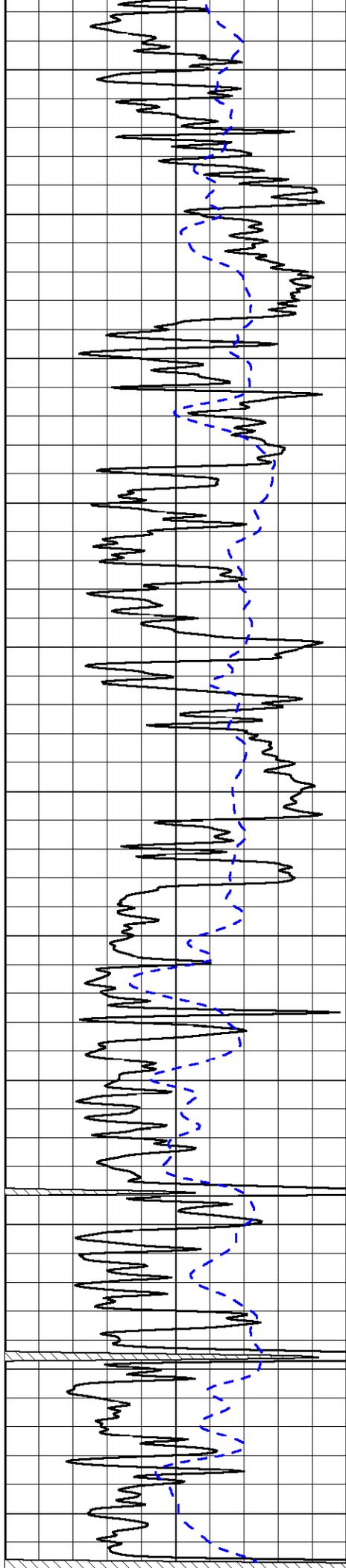


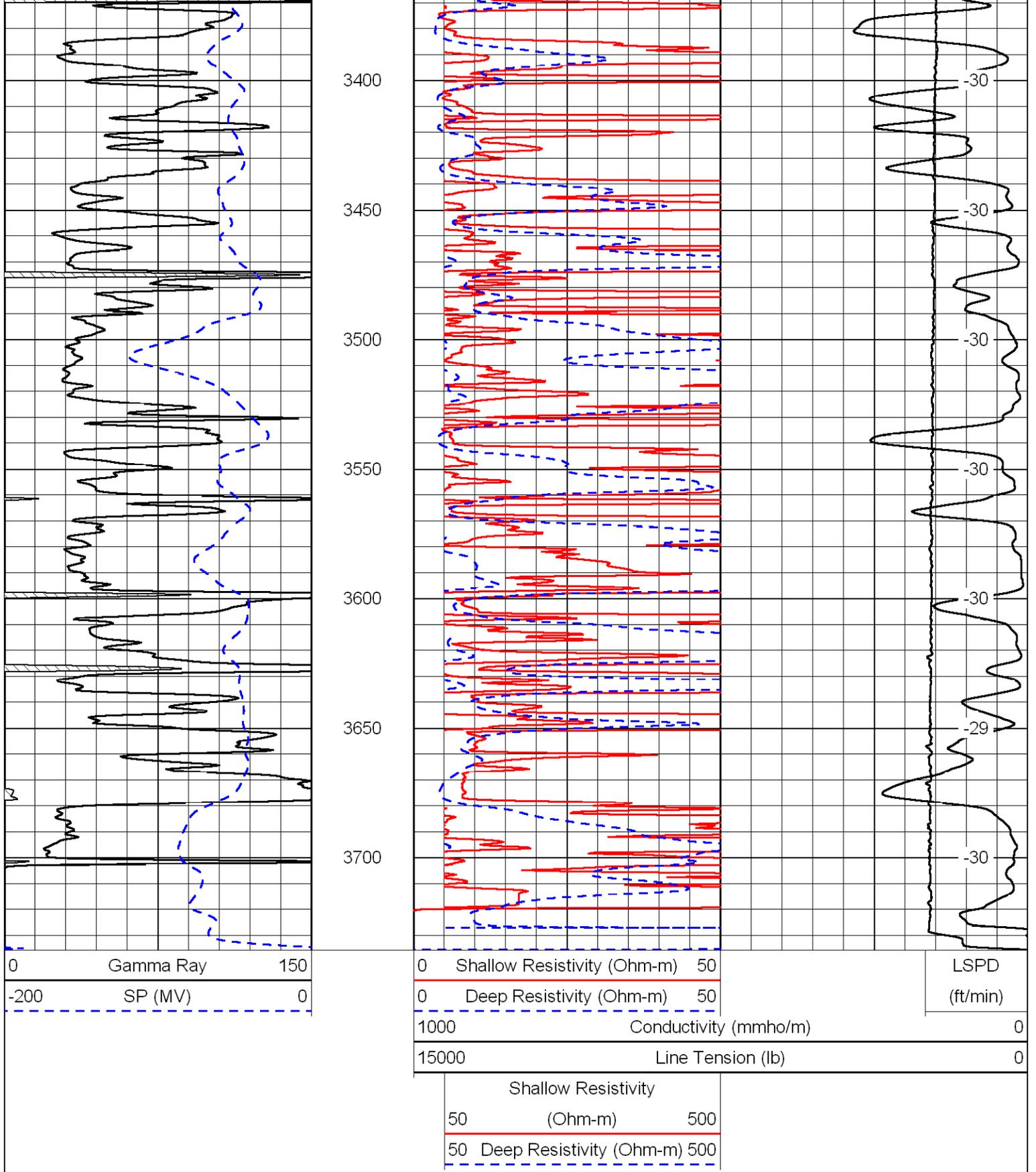












Database File: c:\warrior\data\bowman_arnhold #2\bwmnhd.db
 Dataset Pathname: dil/bwmnstk
 Presentation Format: dil
 Dataset Creation: Fri Jan 29 16:19:06 2010
 Charted by: Depth in Feet scaled 1:240

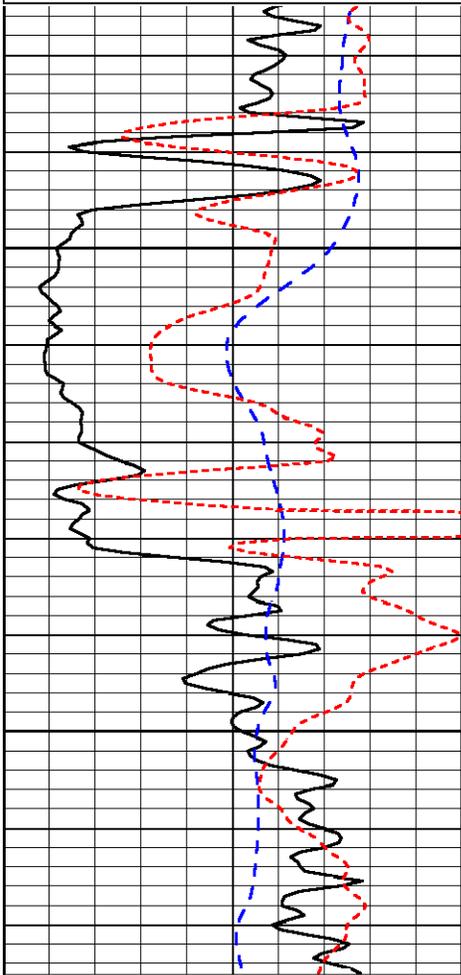


-160 Rxo / Rt 40

0.2 Shallow Resistivity (Ohm-m) 2000

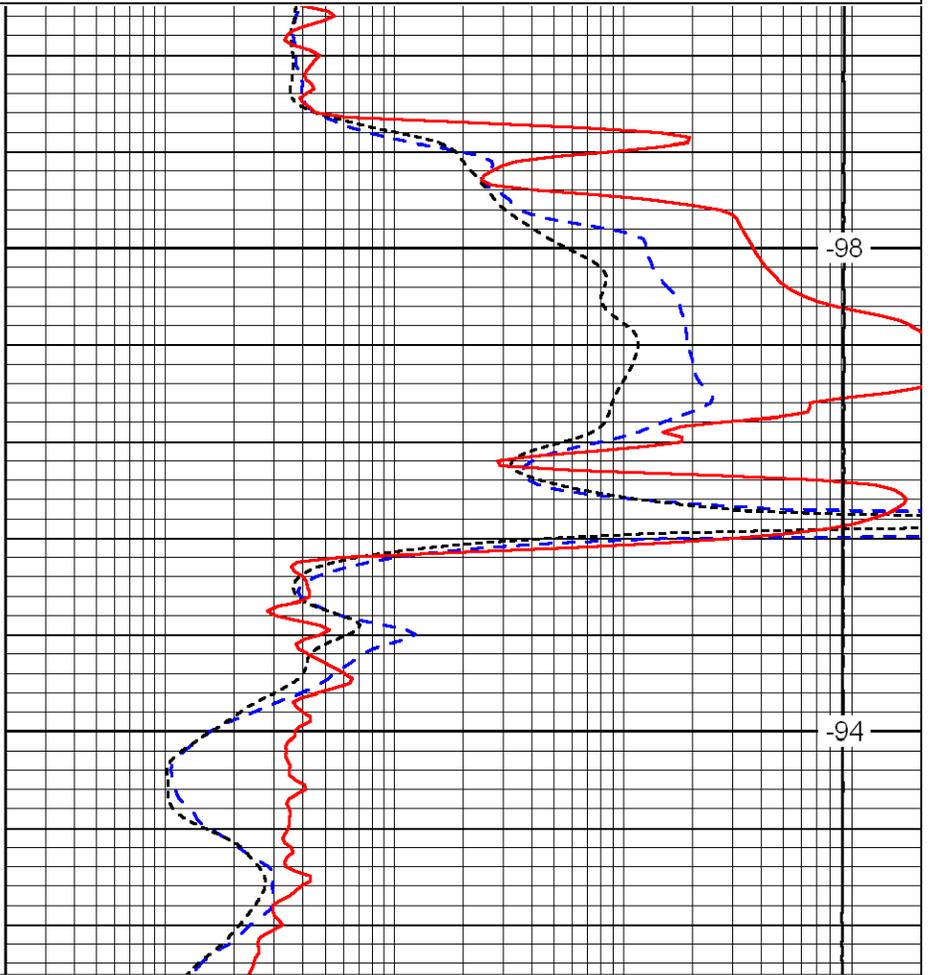
15000 Line Tension (lb) 0

LSPD
(ft/min)



1400

1450



-98

-94

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

0.2 Deep Resistivity (Ohm-m) 2000
 0.2 Medium Resistivity (Ohm-m) 2000
 0.2 Shallow Resistivity (Ohm-m) 2000

15000 Line Tension (lb) 0

LSPD
(ft/min)

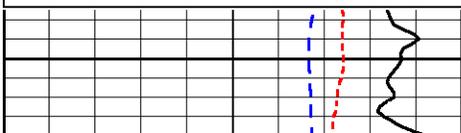
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 Charted by: Depth in Feet scaled 1:240

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

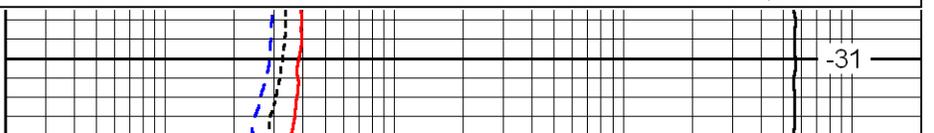
0.2 Deep Resistivity (Ohm-m) 2000
 0.2 Medium Resistivity (Ohm-m) 2000
 0.2 Shallow Resistivity (Ohm-m) 2000

15000 Line Tension (lb) 0

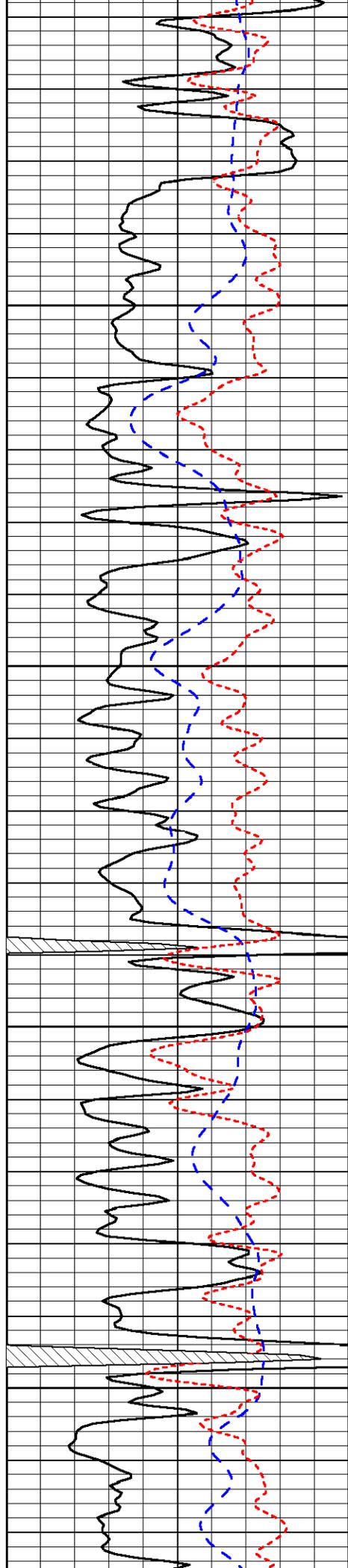
LSPD
(ft/min)



3100



-31

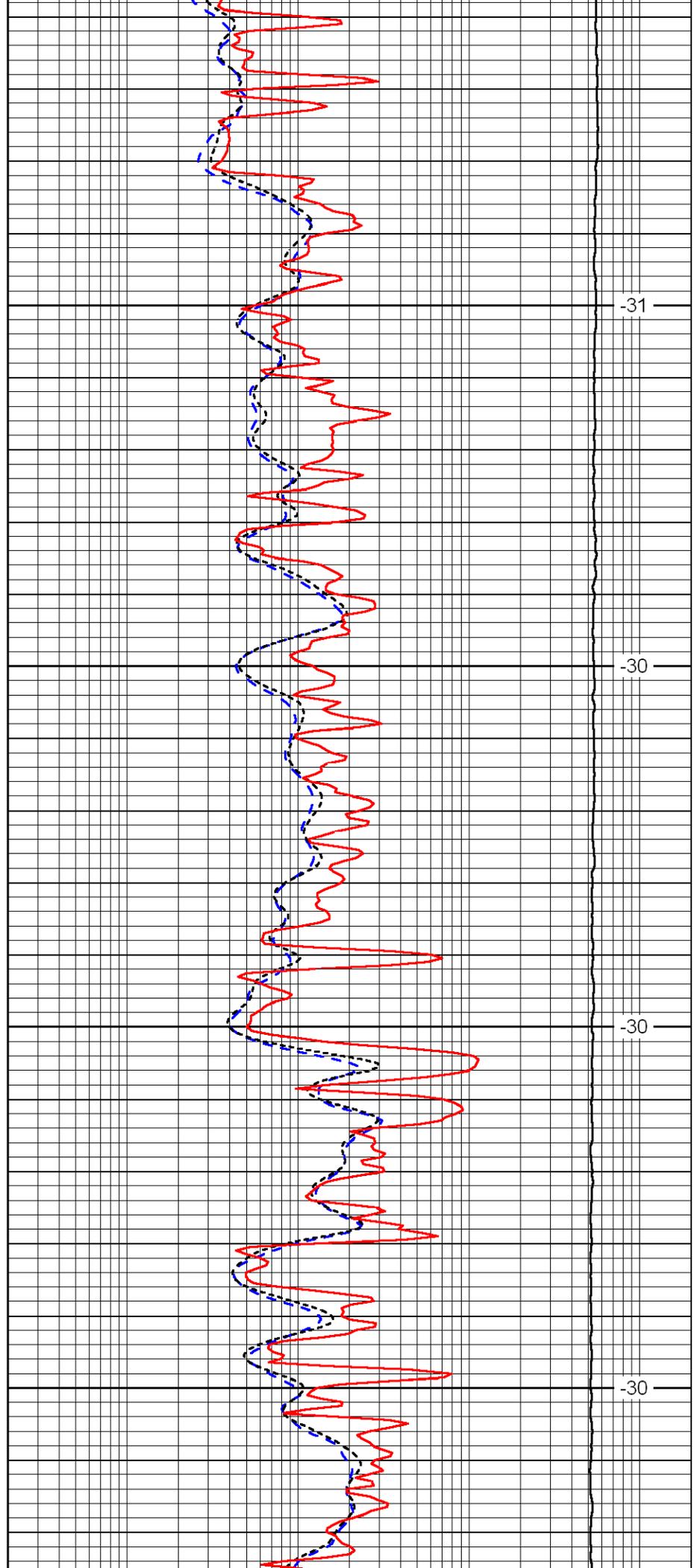


3150

3200

3250

3300

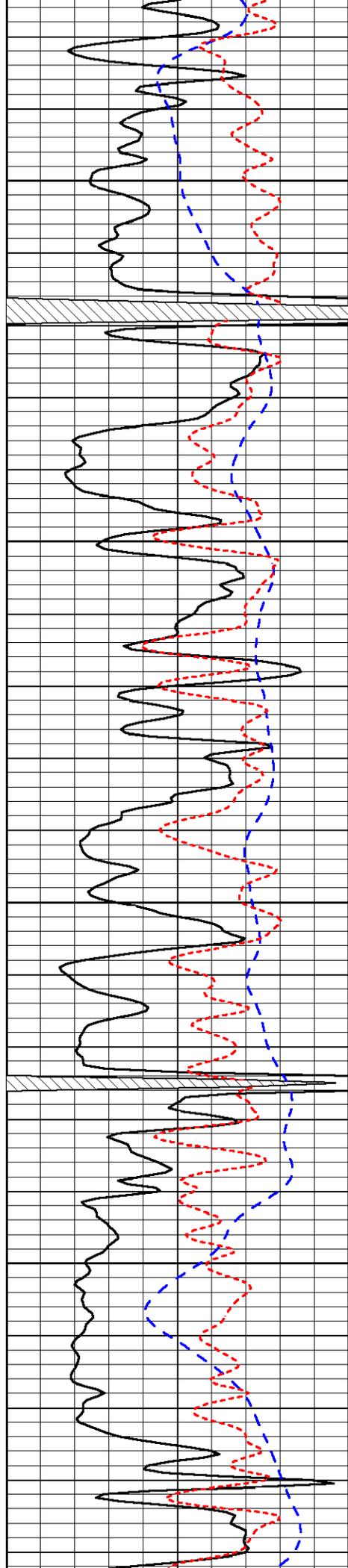


-31

-30

-30

-30

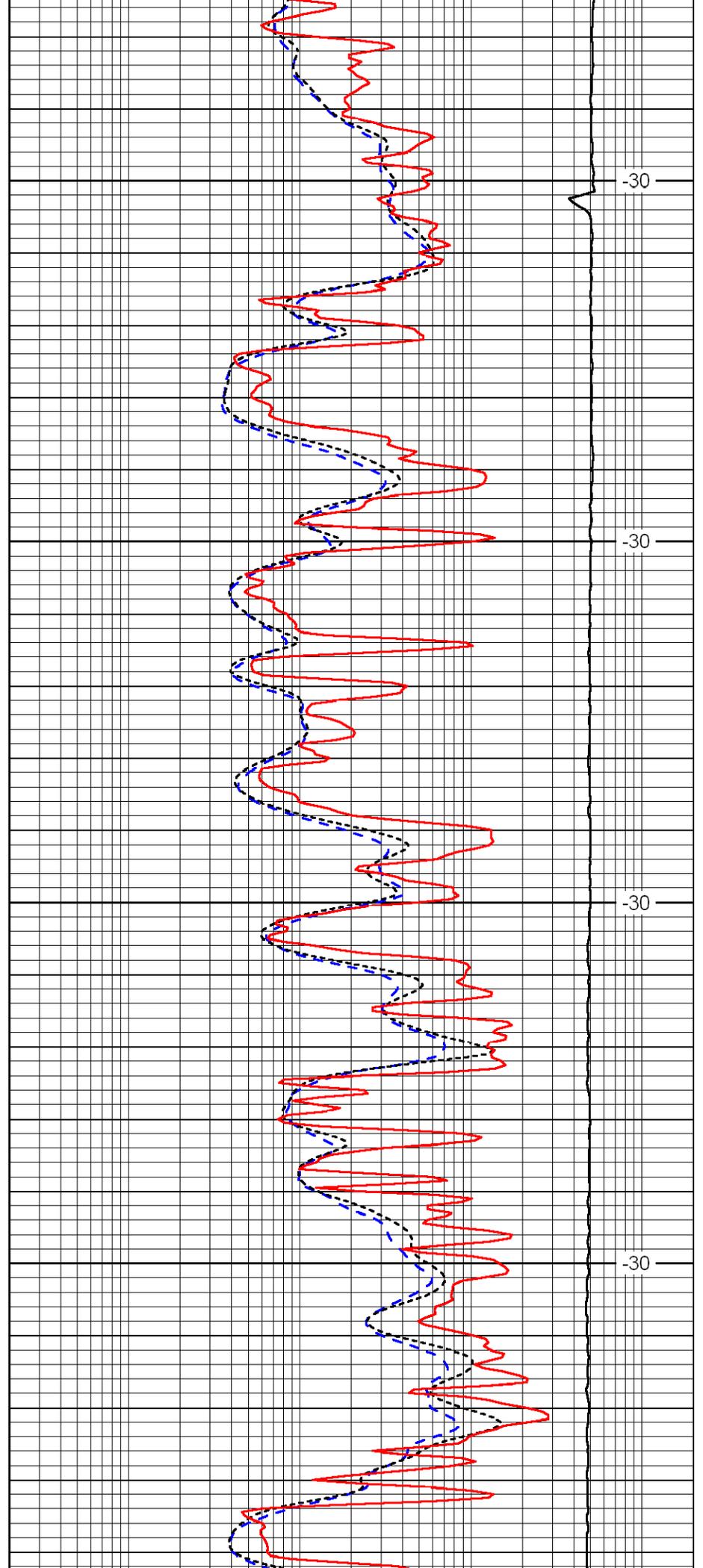


3350

3400

3450

3500

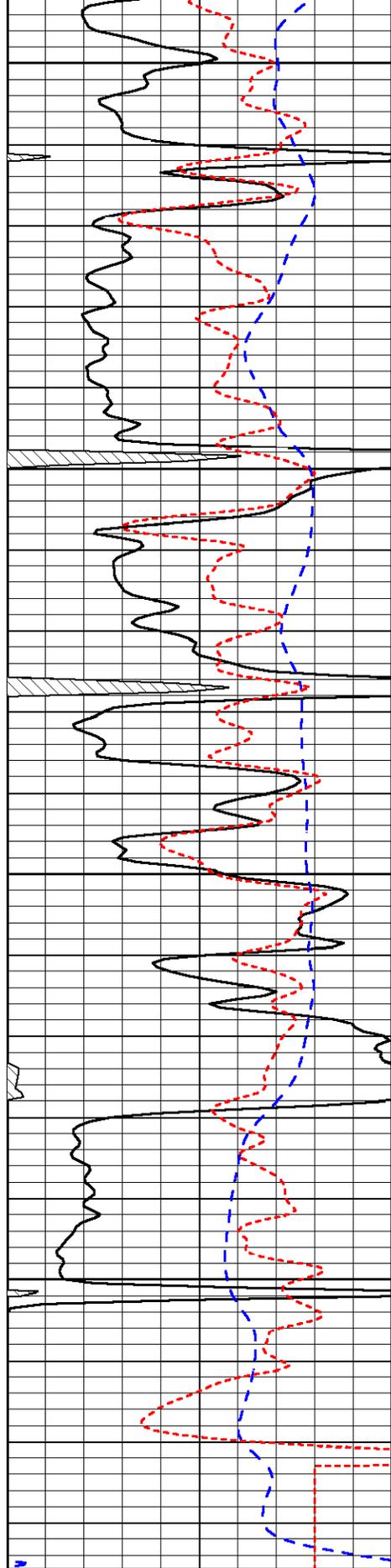


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-30

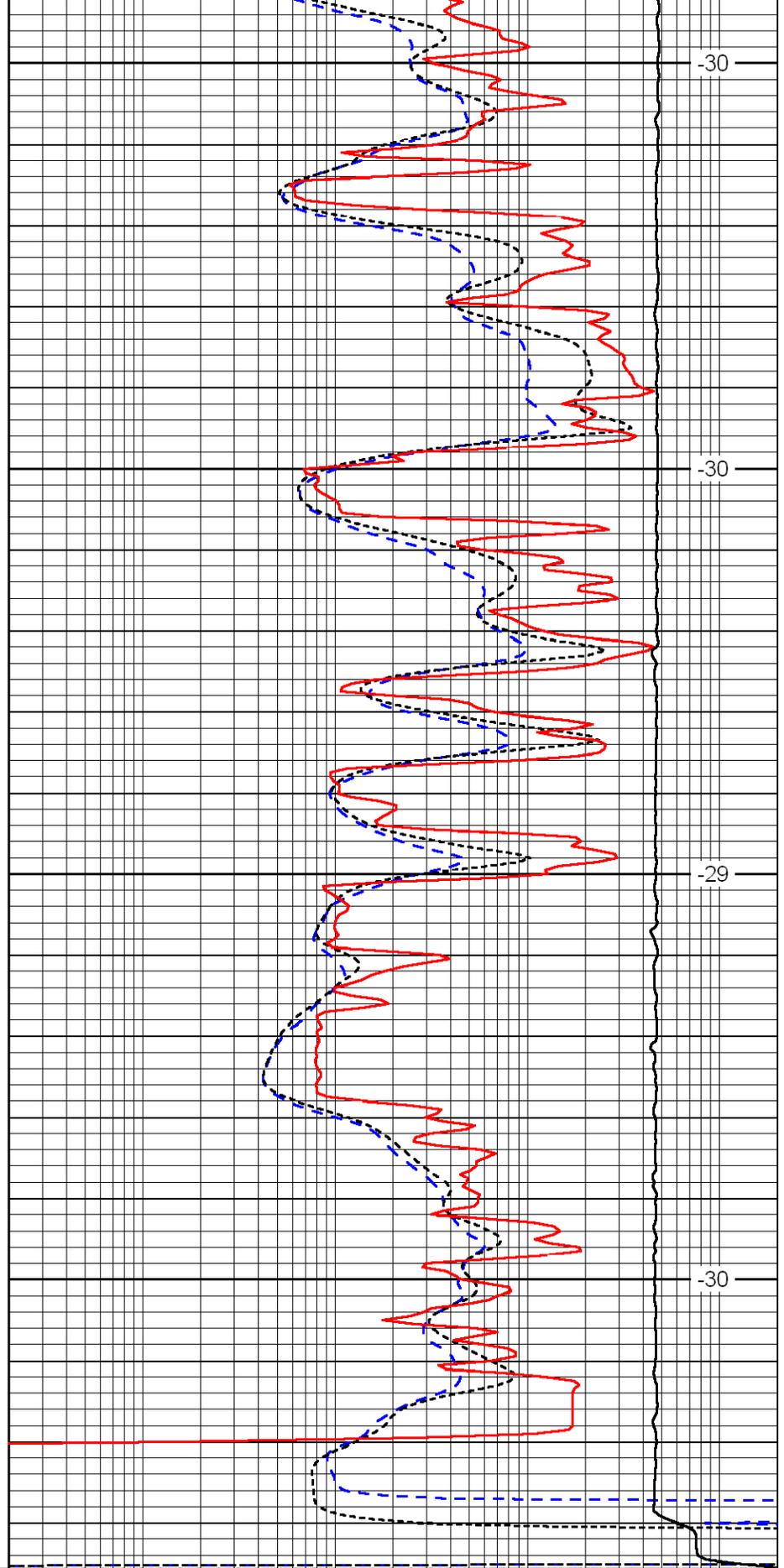
-30

-30



3550
3600
3650
3700

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



-30
-30
-29
-30

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

