



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-065-23,551-00-00	
Company	H&C Oil Operating, Inc.	
Well	Tien No. 28 - 1	
Field	Wildcat	
County	Graham	State
		Kansas
Location	NW - SW - SE - SW 610' FSL & 1550' FWL	
Sec: 28	Twp: 6 S	Rge: 23 W
Permanent Datum	Ground Level	Elevation 2453
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	K.B. 2458 D.F. 2453 G.L. 2453

Date	7/7/2009
Run Number	One
Depth Driller	3963
Depth Logger	3966
Bottom Logged Interval	3965
Top Log Interval	250
Casing Driller	8.625 @ 258
Casing Logger	258
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1.300
Density / Viscosity	9.1 52
pH / Fluid Loss	11.0 8.0
Source of Sample	Flowline
Rm @ Meas. Temp	1.75 @ 85
Rmf @ Meas. Temp	1.31 @ 85
Rmc @ Meas. Temp	2.36 @ 85
Source of Rmf / Rmc	Charts
Rm @ BHT	1.29 @ 116
Operating Rig Time	4-1/2 Hours
Max Rec. Temp. F	116
Equipment Number	15
Location	Hays
Recorded By	B. Becker
Witnessed By	Clayton Ericson

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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

Hill City, Ks; North to Y Rd; West to 230th Rd;
1 North to Z Rd; 1-1/2 East to location

Database File: c:\warrior\data\h&c_tien no. 28 - 1\h&chd.db
 Dataset Pathname: DIL/stack
 Presentation Format: dil2in
 Dataset Creation: Tue Jul 07 16:49:08 2009
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150
-200 SP (MV) 0

0 Shallow Resistivity (Ohm-m) 50

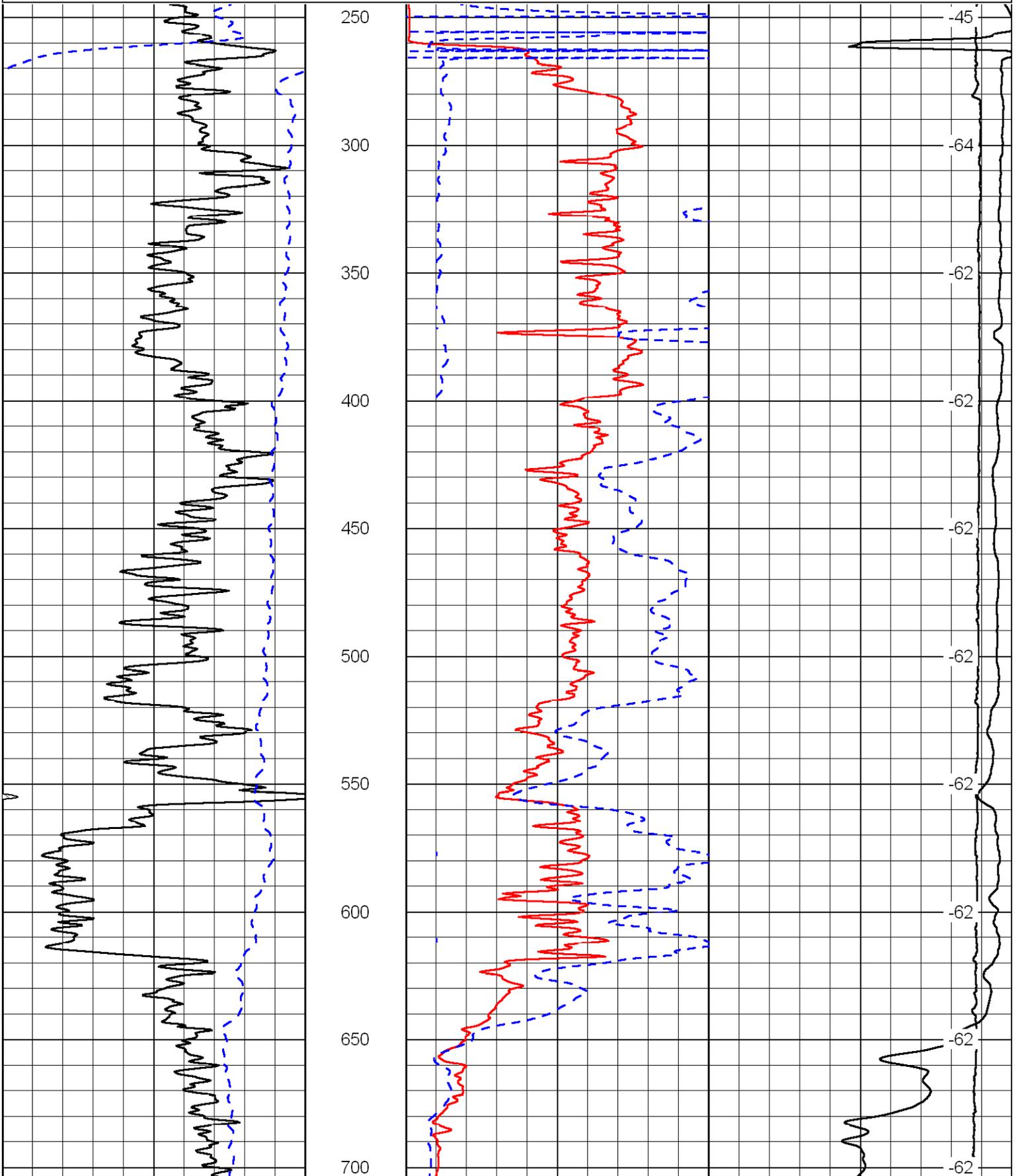
0 Deep Resistivity (Ohm-m) 50

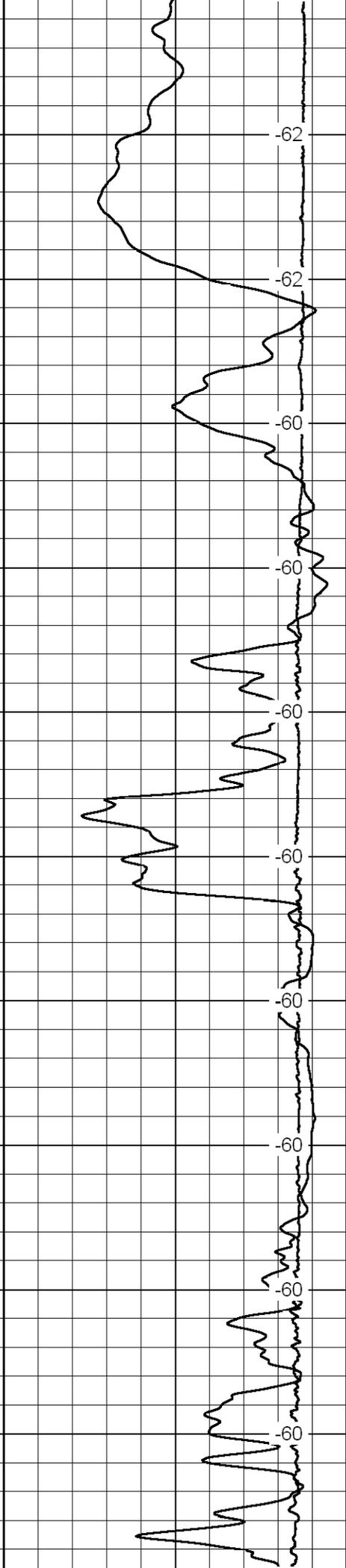
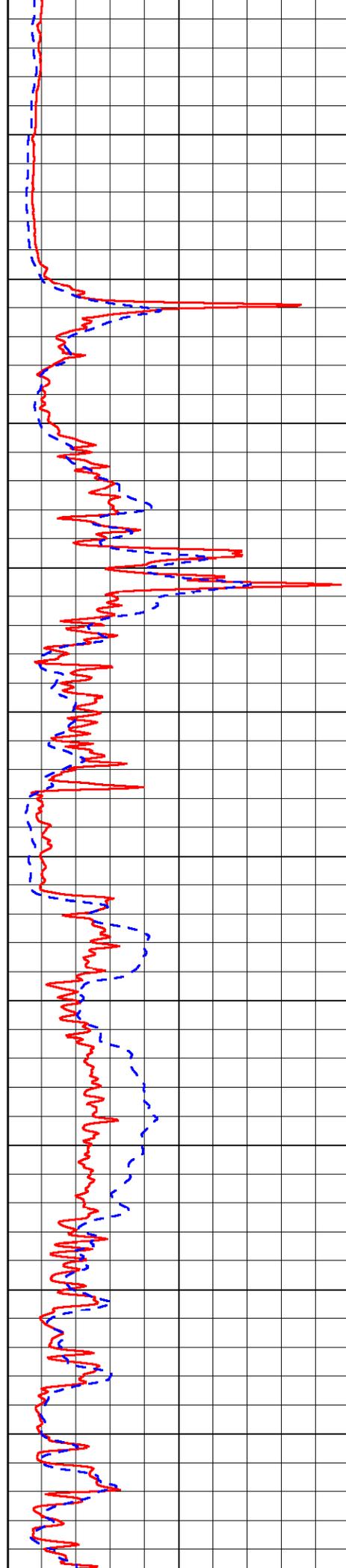
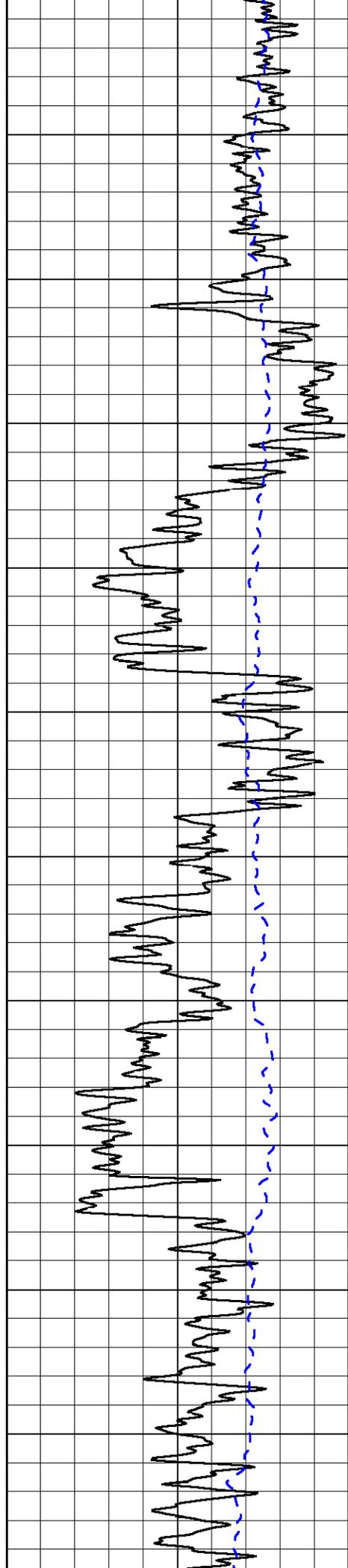
LSPD
(ft/min)

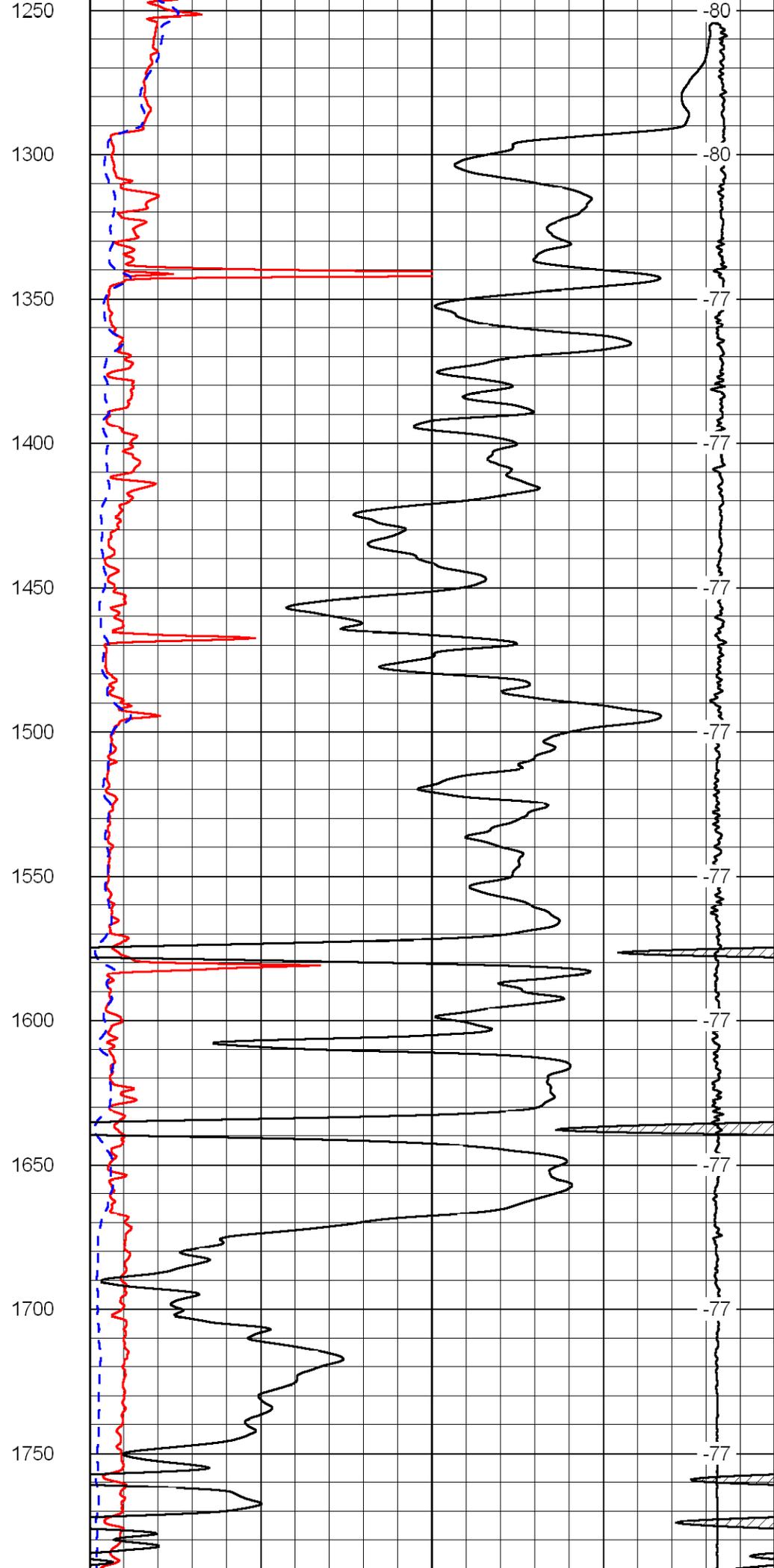
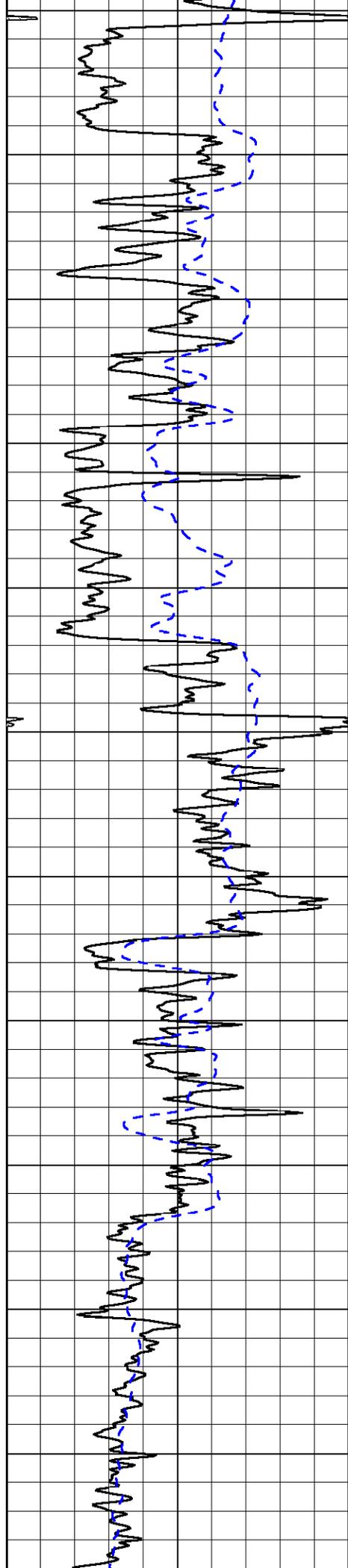
1000 Conductivity (mmho/m) 0

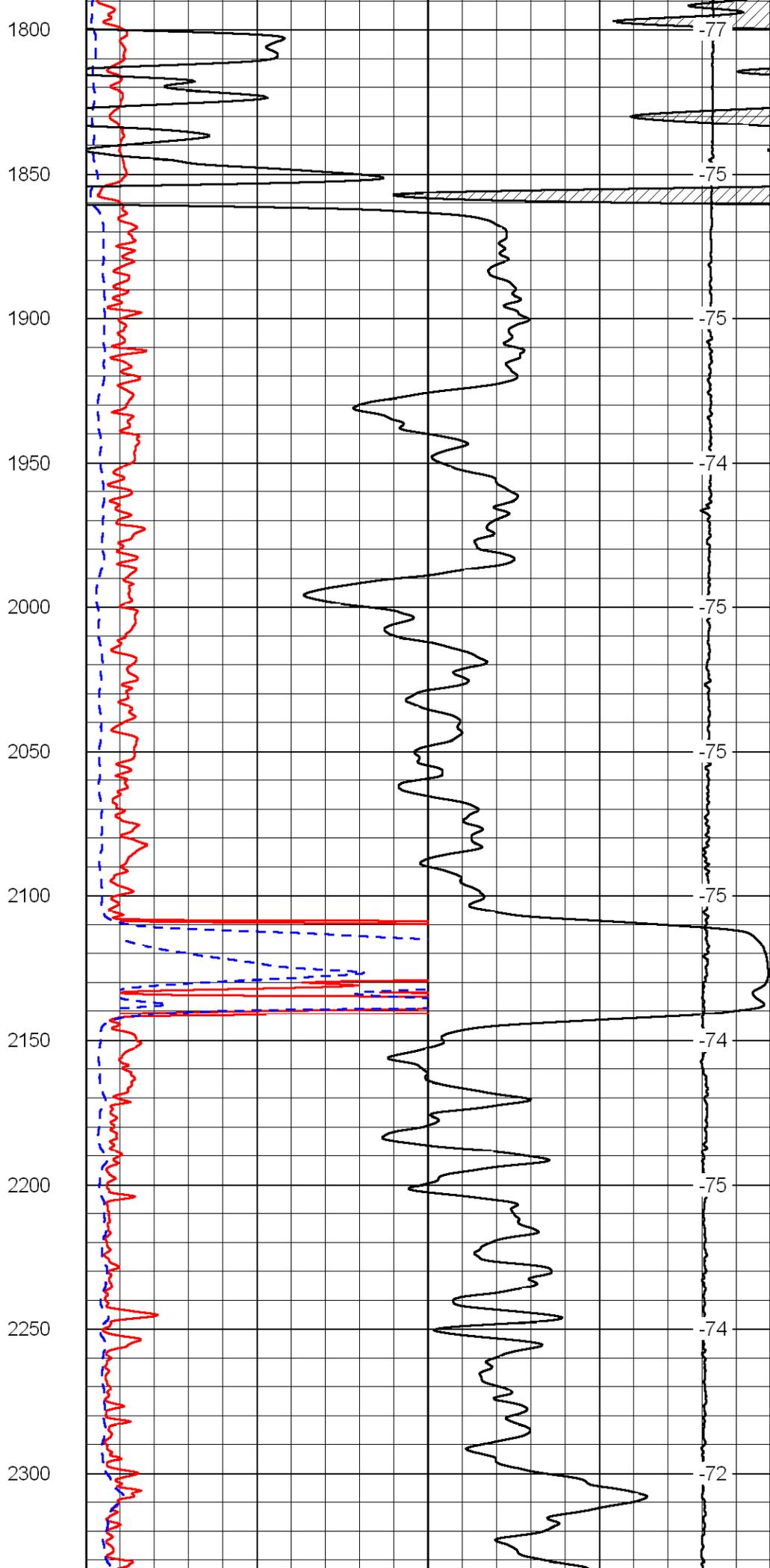
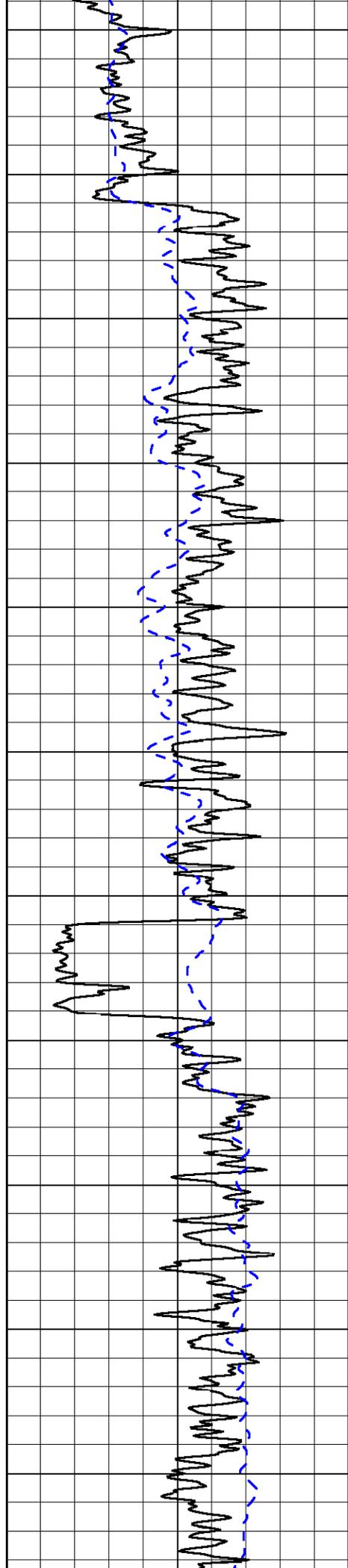
15000 Line Tension (lb) 0

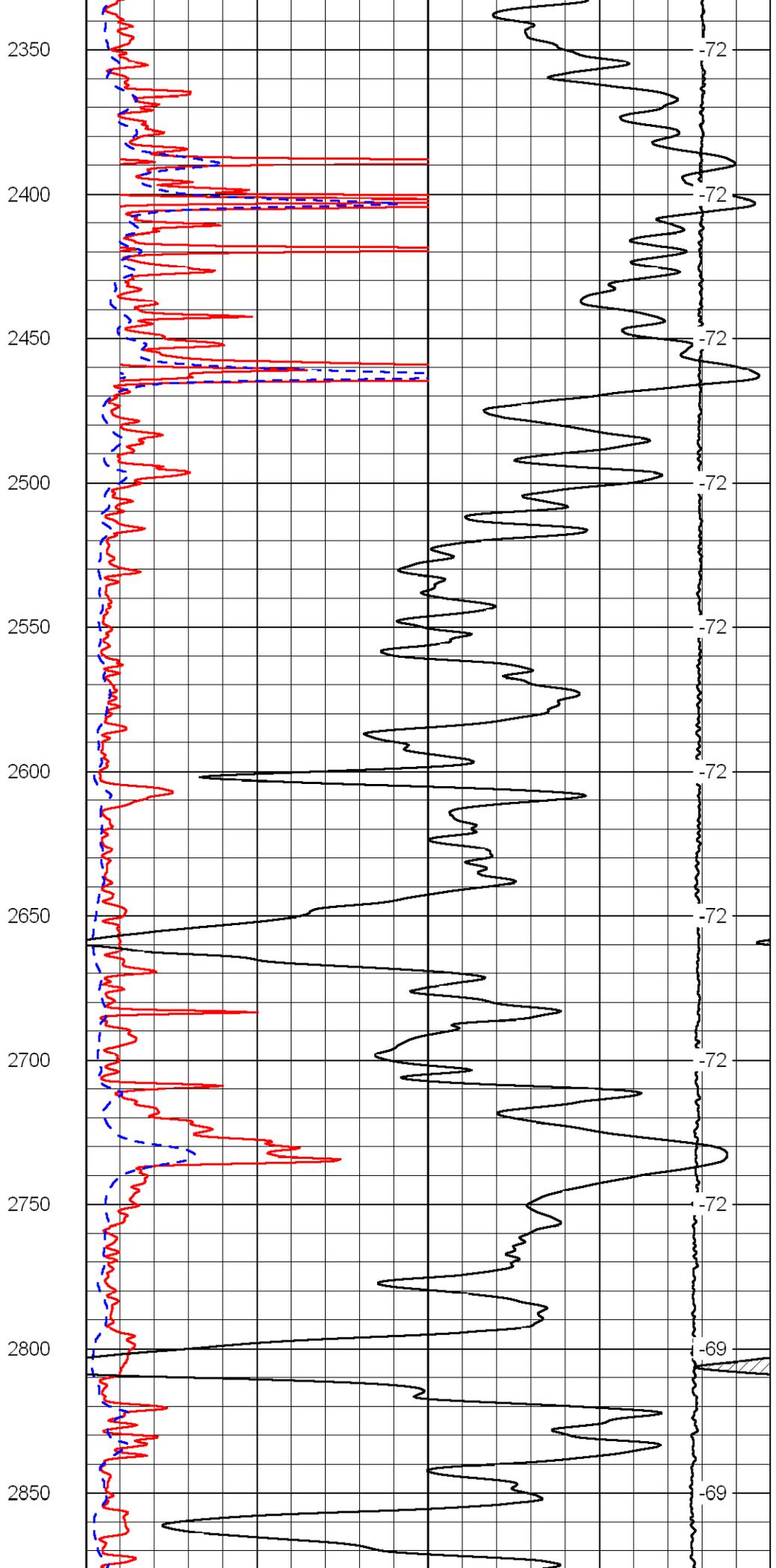
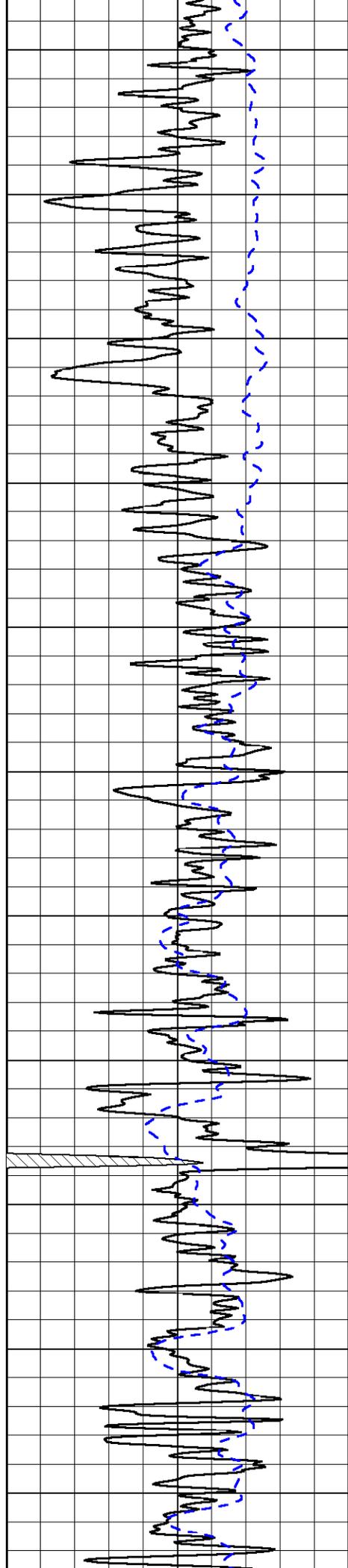
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500

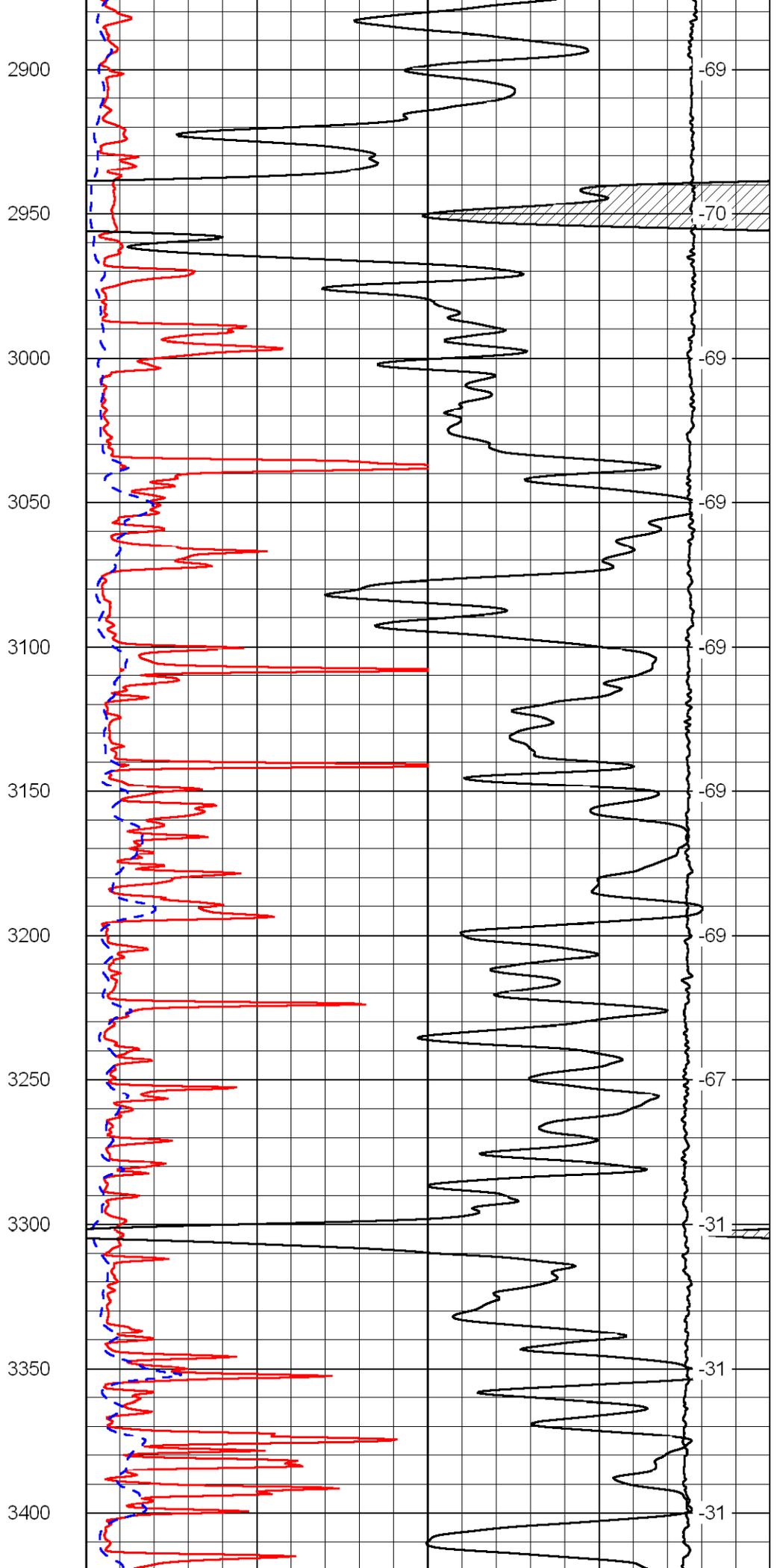
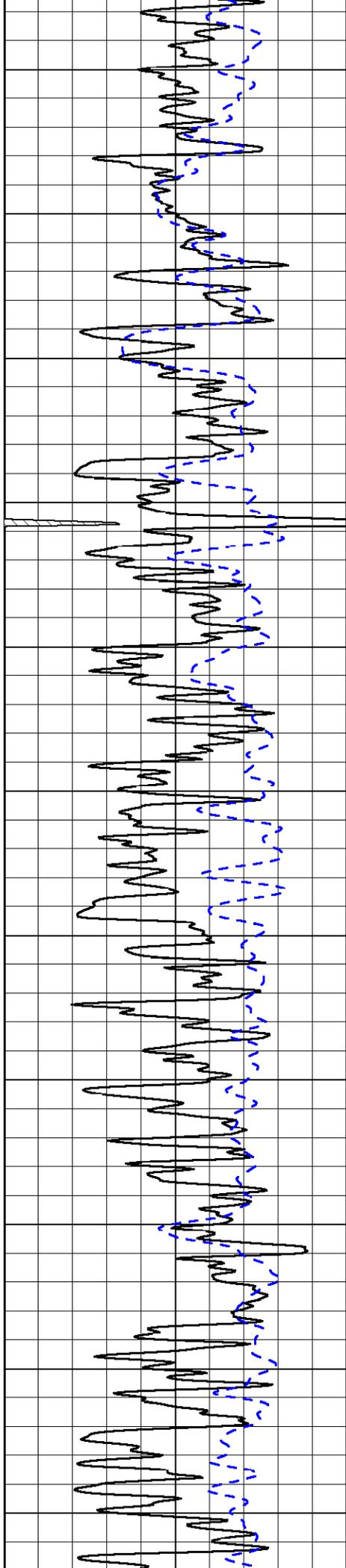


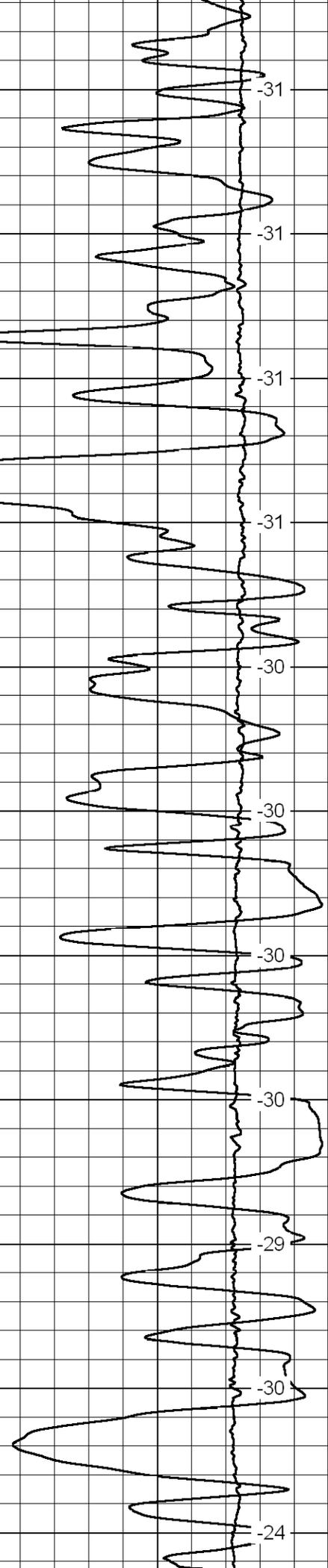
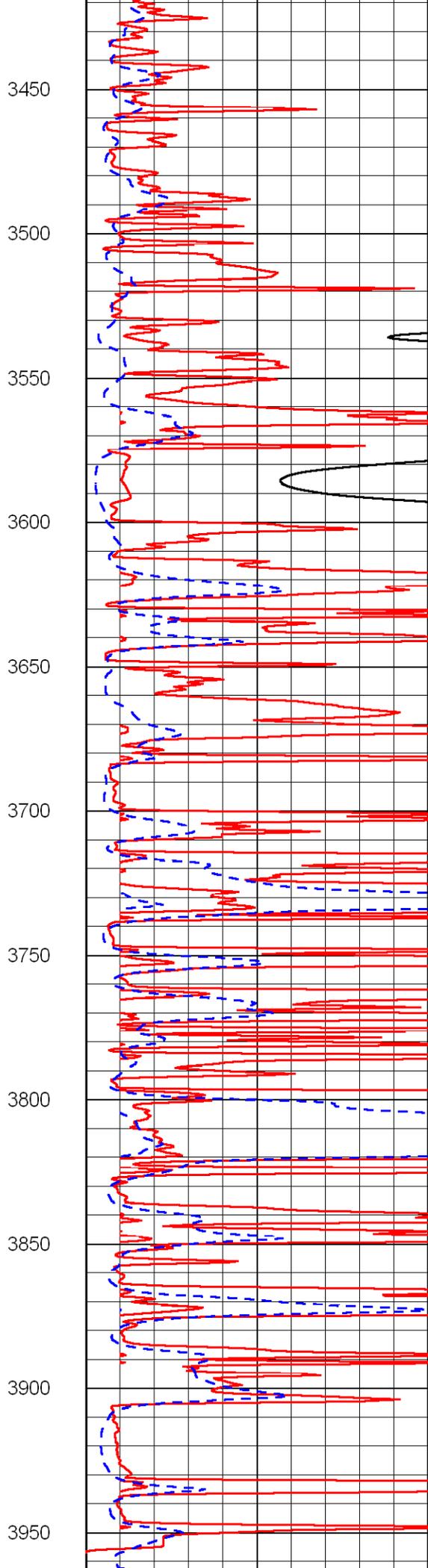
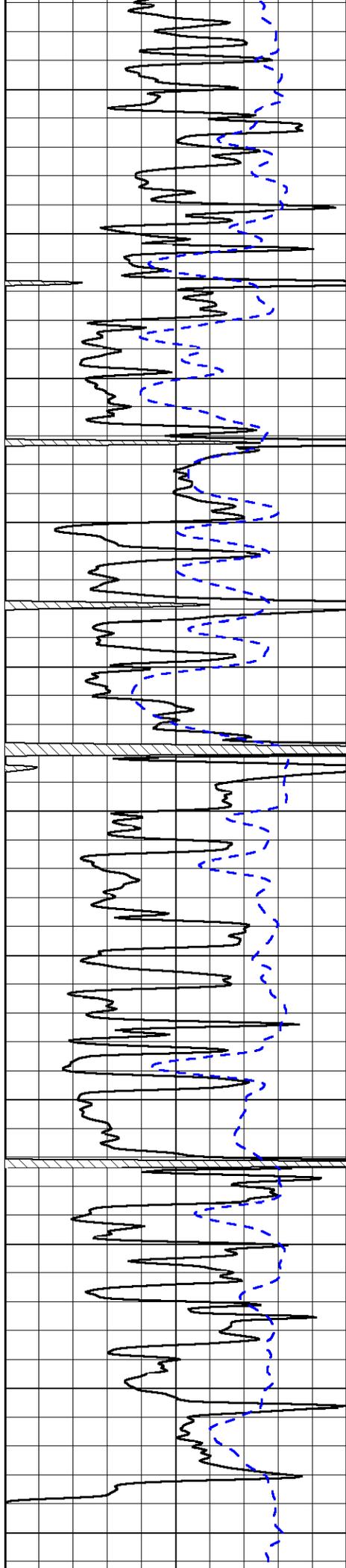








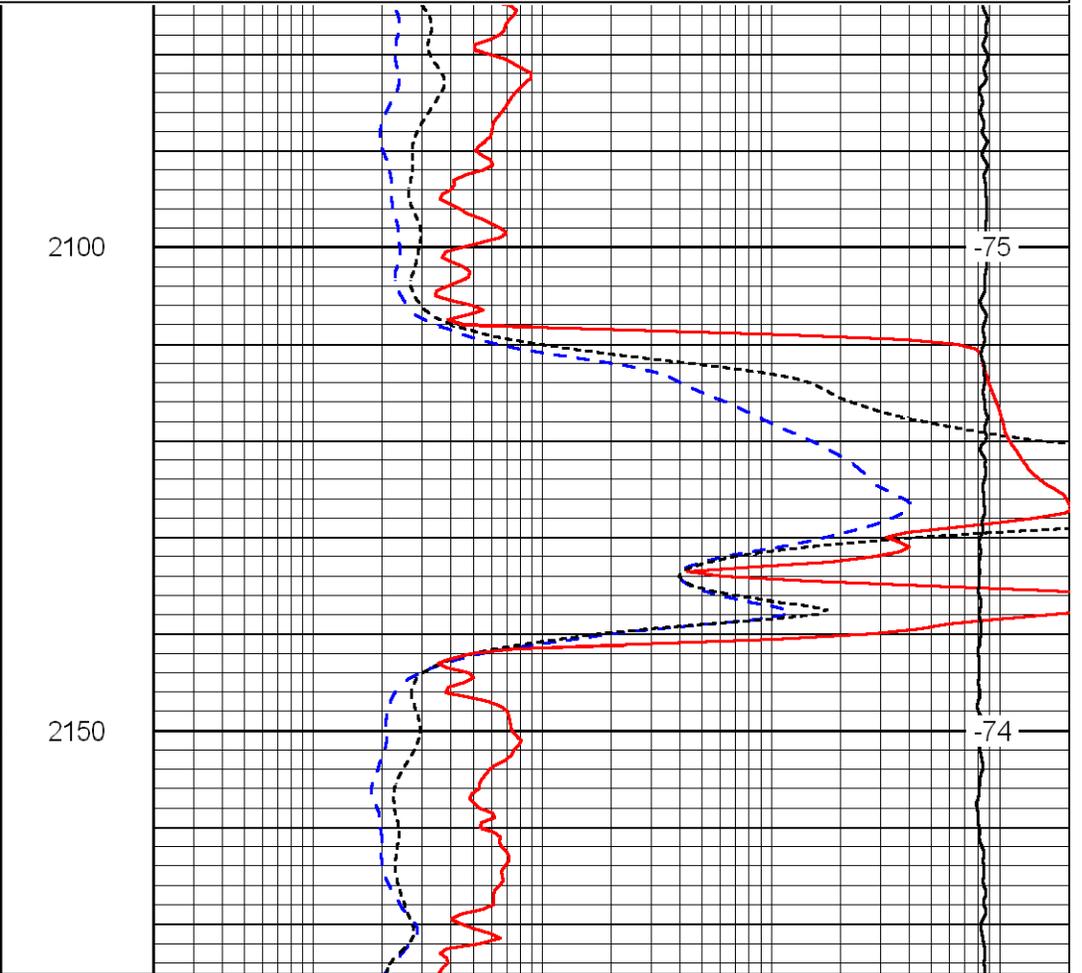
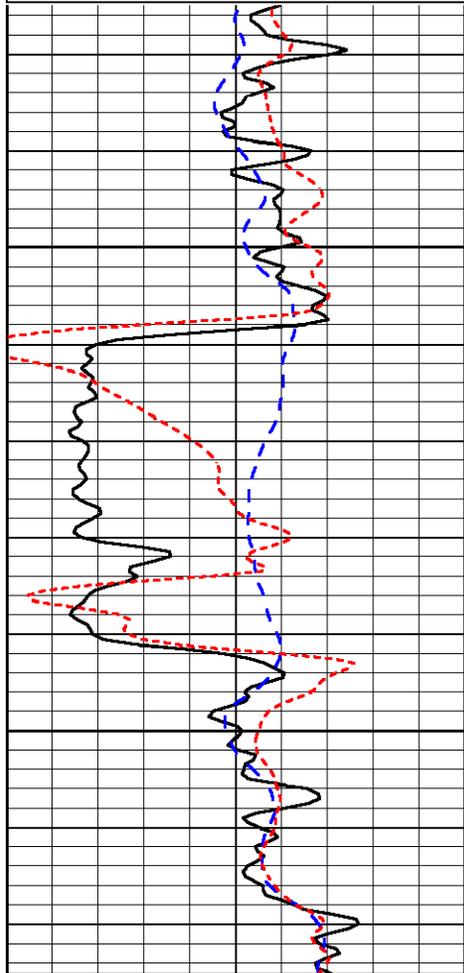




0	Gamma Ray	150	0	Shallow Resistivity (Ohm-m)	50	LSPD
-200	SP (MV)	0	0	Deep Resistivity (Ohm-m)	50	(ft/min)
			1000	Conductivity (mmho/m)		0
			15000	Line Tension (lb)		0
				Shallow Resistivity		
			50	(Ohm-m)	500	
			50	Deep Resistivity (Ohm-m)	500	

Database File: c:\warrior\data\h&c_tien no. 28 - 1\h&chd.db
 Dataset Pathname: DIL/stack
 Presentation Format: dil
 Dataset Creation: Tue Jul 07 16:49:08 2009
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity (Ohm-m)	2000	LSPD
-200	SP (MV)	0	0.2	Medium Resistivity (Ohm-m)	2000	(ft/min)
-160	Rxo / Rt	40	0.2	Shallow Resistivity (Ohm-m)	2000	
			15000	Line Tension (lb)		0



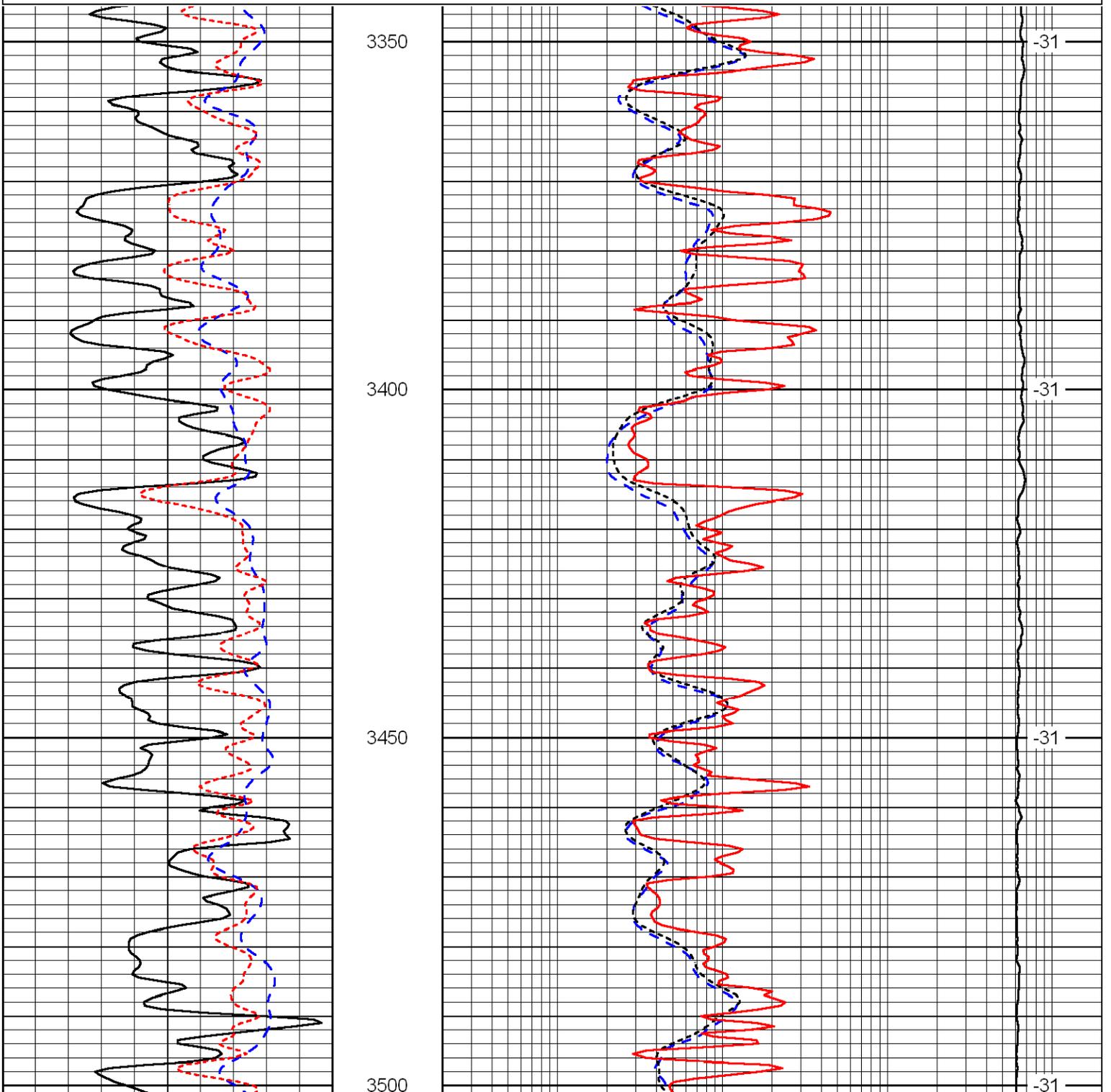
0	Gamma Ray	150	0.2	Deep Resistivity (Ohm-m)	2000	LSPD
-200	SP (MV)	0	0.2	Medium Resistivity (Ohm-m)	2000	(ft/min)
-160	Rxo / Rt	40	0.2	Shallow Resistivity (Ohm-m)	2000	
			15000	Line Tension (lb)		0

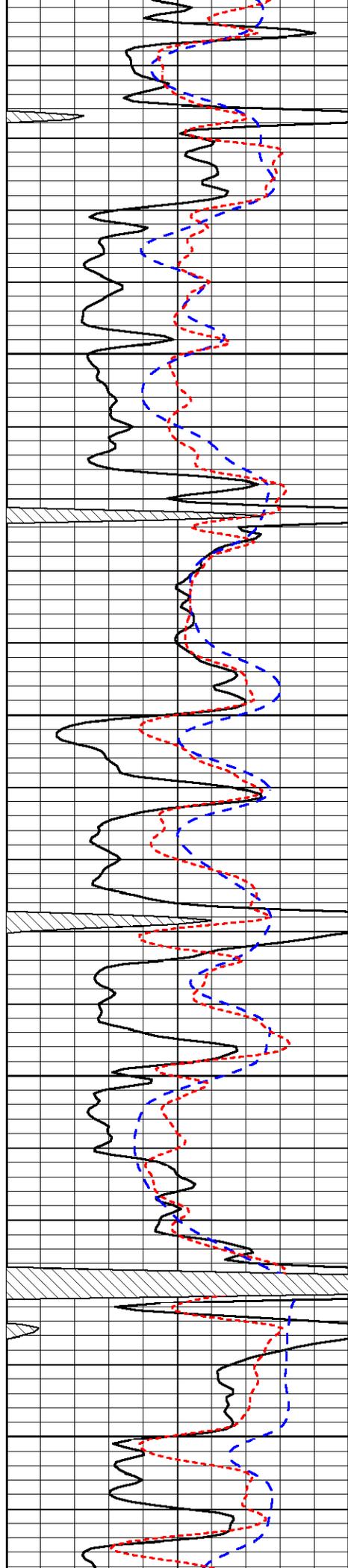
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0	Gamma Ray	150
-200	SP (MV)	0
-160	Rxo / Rt	40

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)



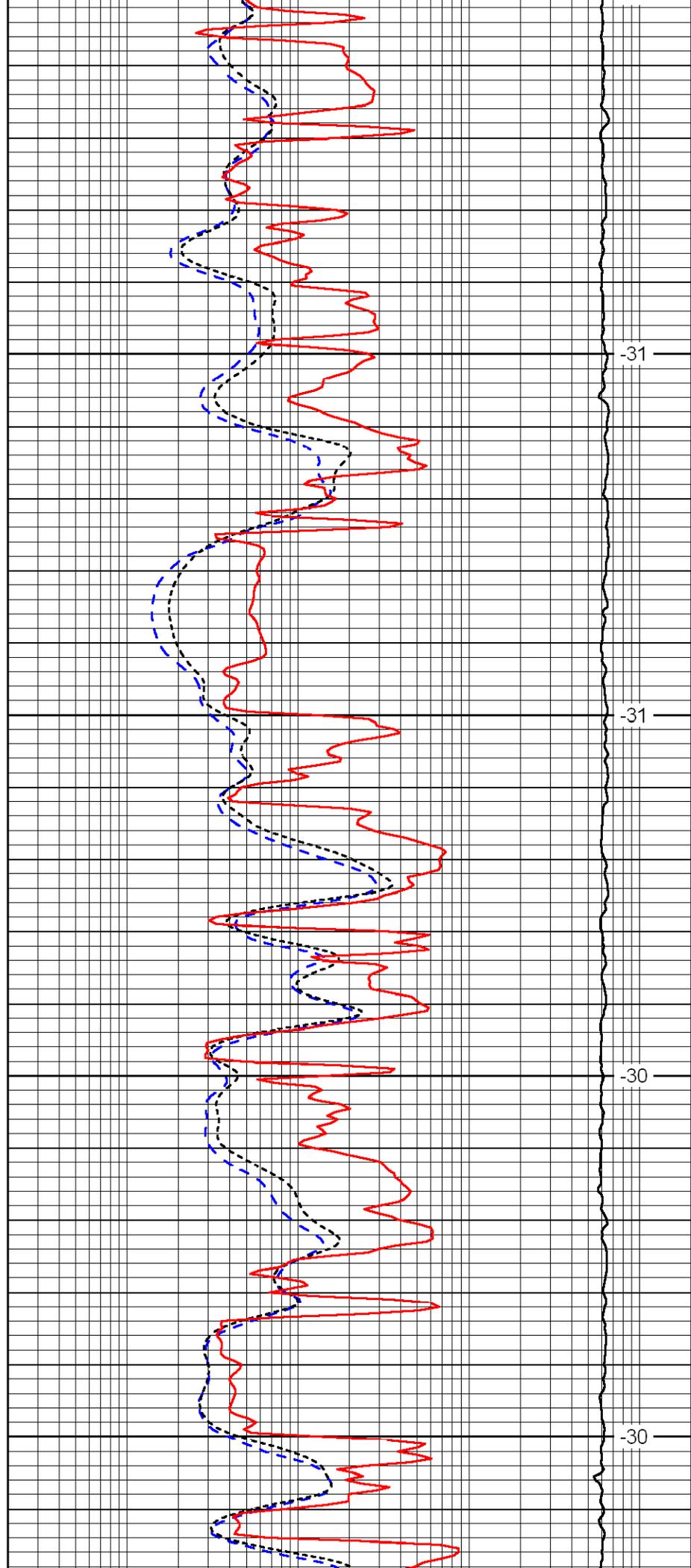


3550

3600

3650

3700

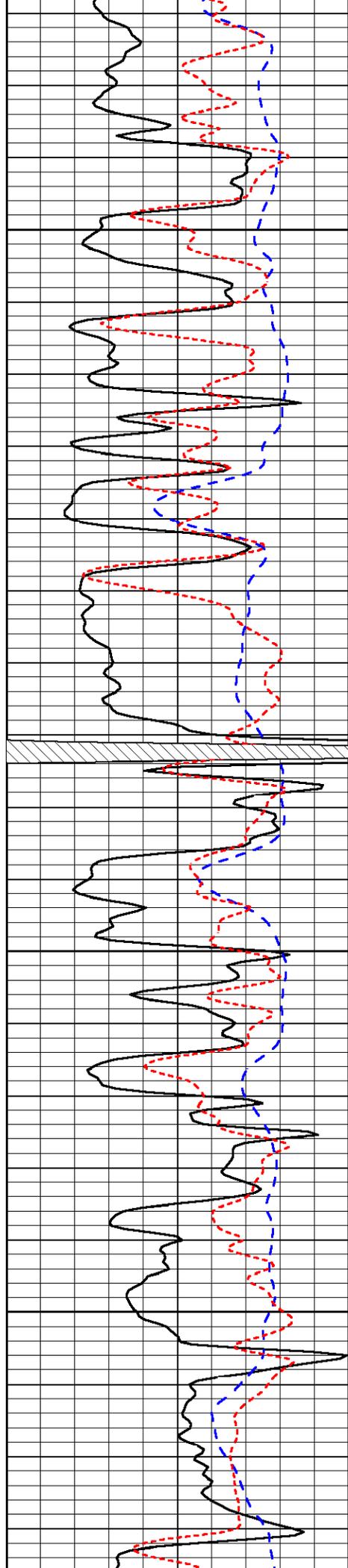


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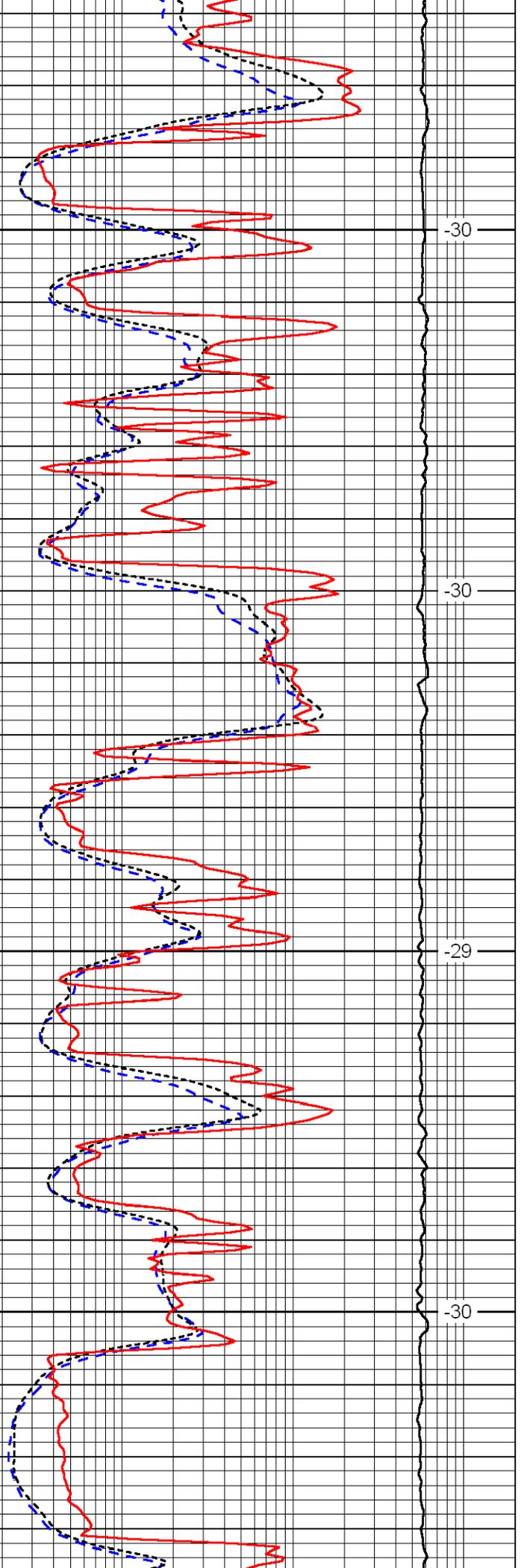


3750

3800

3850

3900

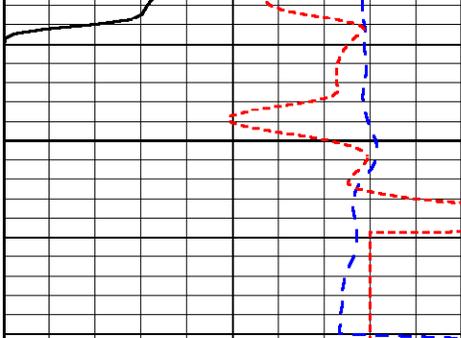


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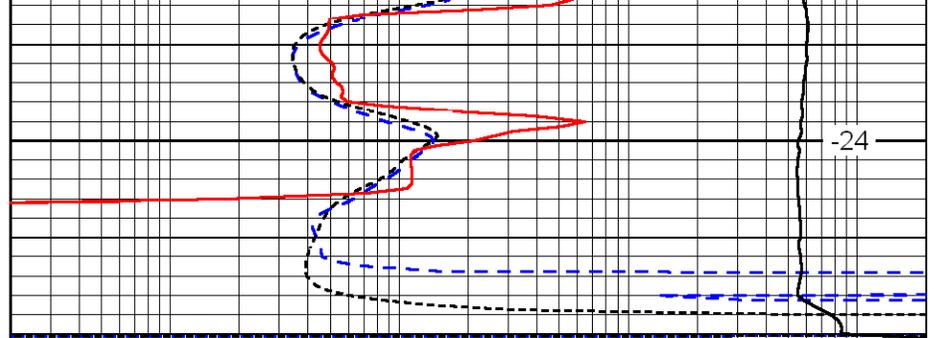
-29

-30



3950

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



-24

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)