



# Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.

15-065-23,600-00-00

Company **H & C Oil Operating, Inc.**

Well **Walters No.32-1**

Field **Wildcat**

County **Graham**

State **Kansas**

Location

**1650' FSL & 660' FEL**

Other Services  
CNL/CDL  
MEL/BHCS

Elevation

K.B. 2481  
D.F. 2476  
G.L. 2476

Permanent Datum Ground Level Kelly Bushing 5 Ft. Above Perm. Datum

Log Measured From Kelly Bushing

Drilling Measured From Kelly Bushing

Top Log Interval 250

Casing Driller 8.625 @ 294

Casing Logger 290

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1.800

Density / Viscosity 9.4 57

pH / Fluid Loss 10.3 7.0

Source of Sample Flowline

Rm @ Meas. Temp 2 @ 60

Rmf @ Meas. Temp 1.5 @ 60

Rmc @ Meas. Temp 2.7 @ 60

Source of Rmf / Rmc Charts

Rm @ BHT 1.02 @ 118

Operating Rig Time 4 Hours

Max Rec. Temp. F 118

Equipment Number 17

Location Hays

Recorded By C. Desaire

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.  
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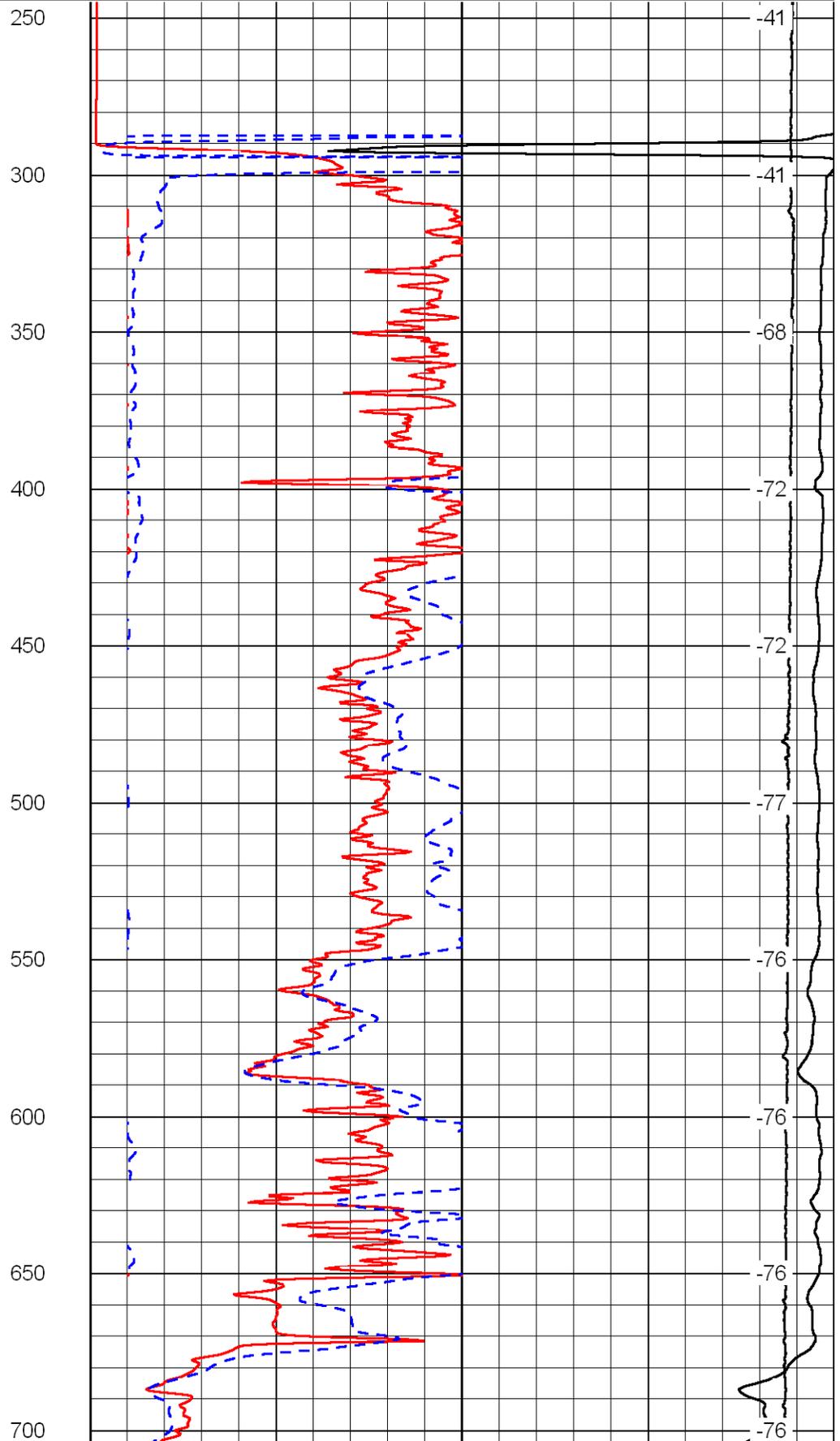
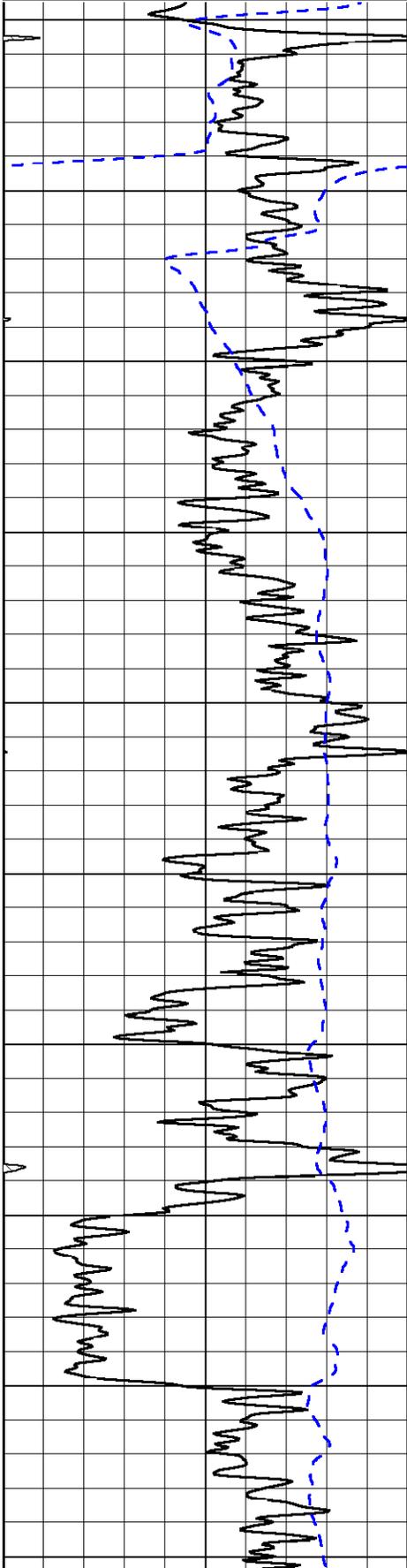
Hill City, 8 N to Y Rd,  
3 1/4 W, N Into

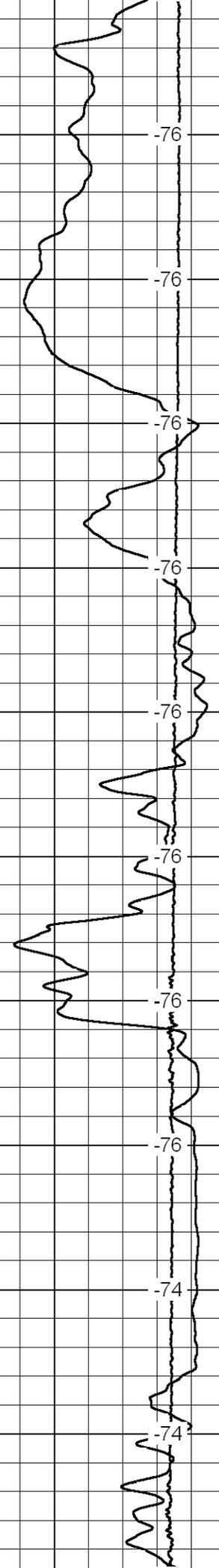
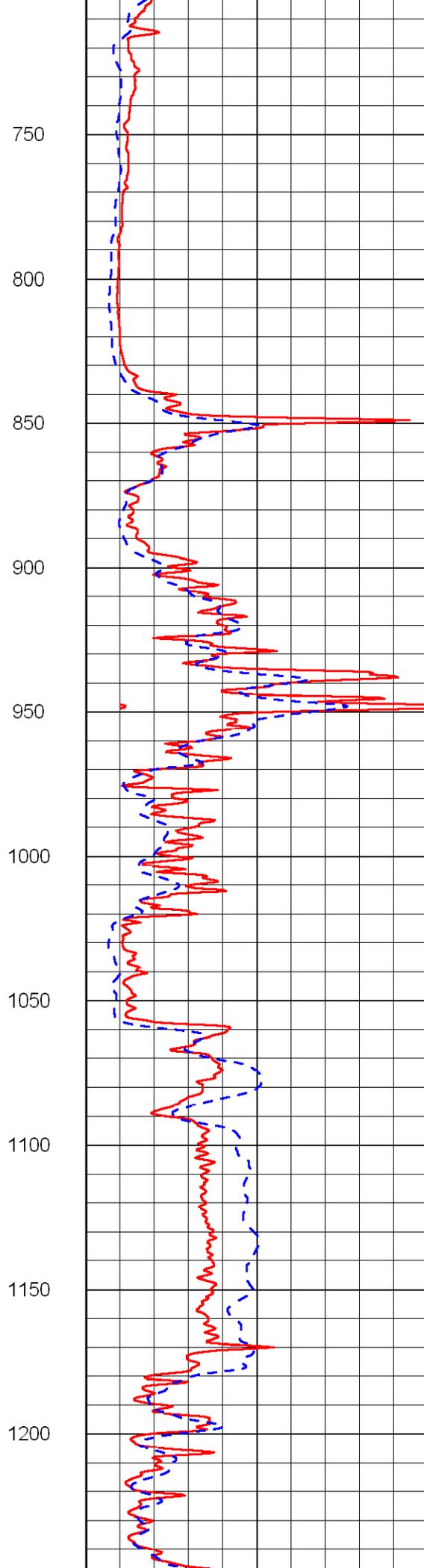
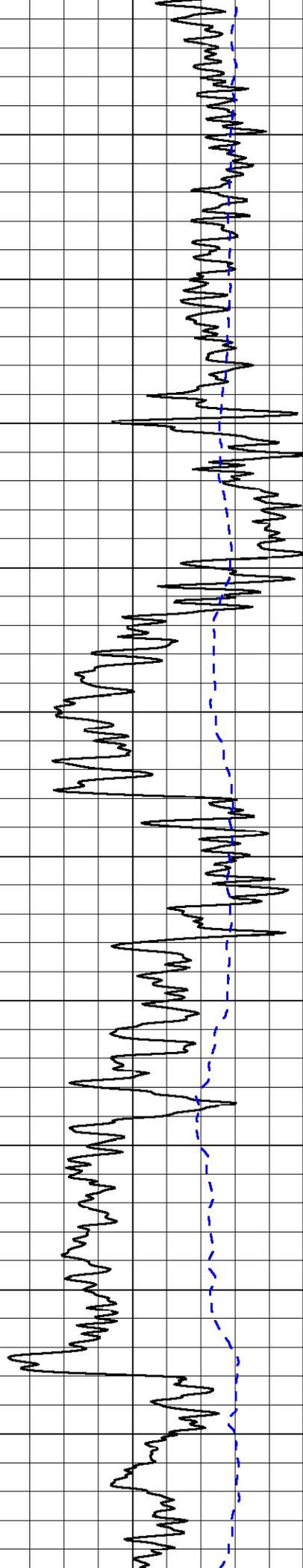
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 Dataset Creation: Sat Dec 12 16:08:31 2009  
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (MV)	0

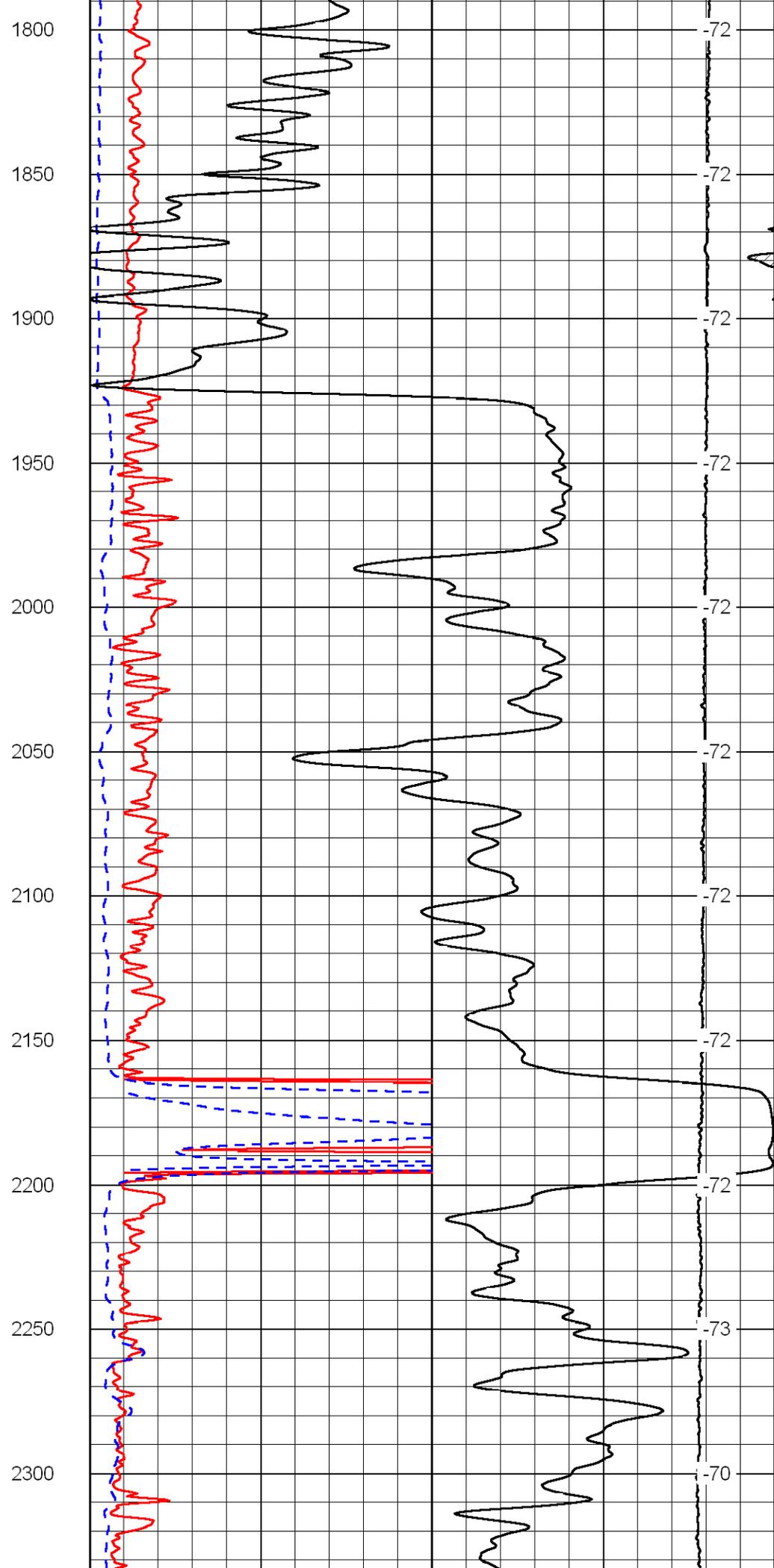
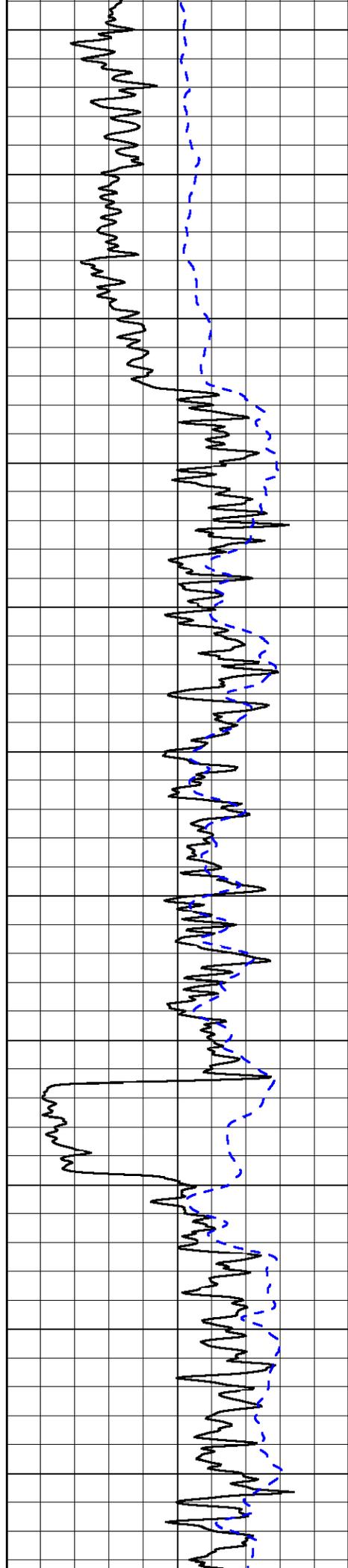
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0

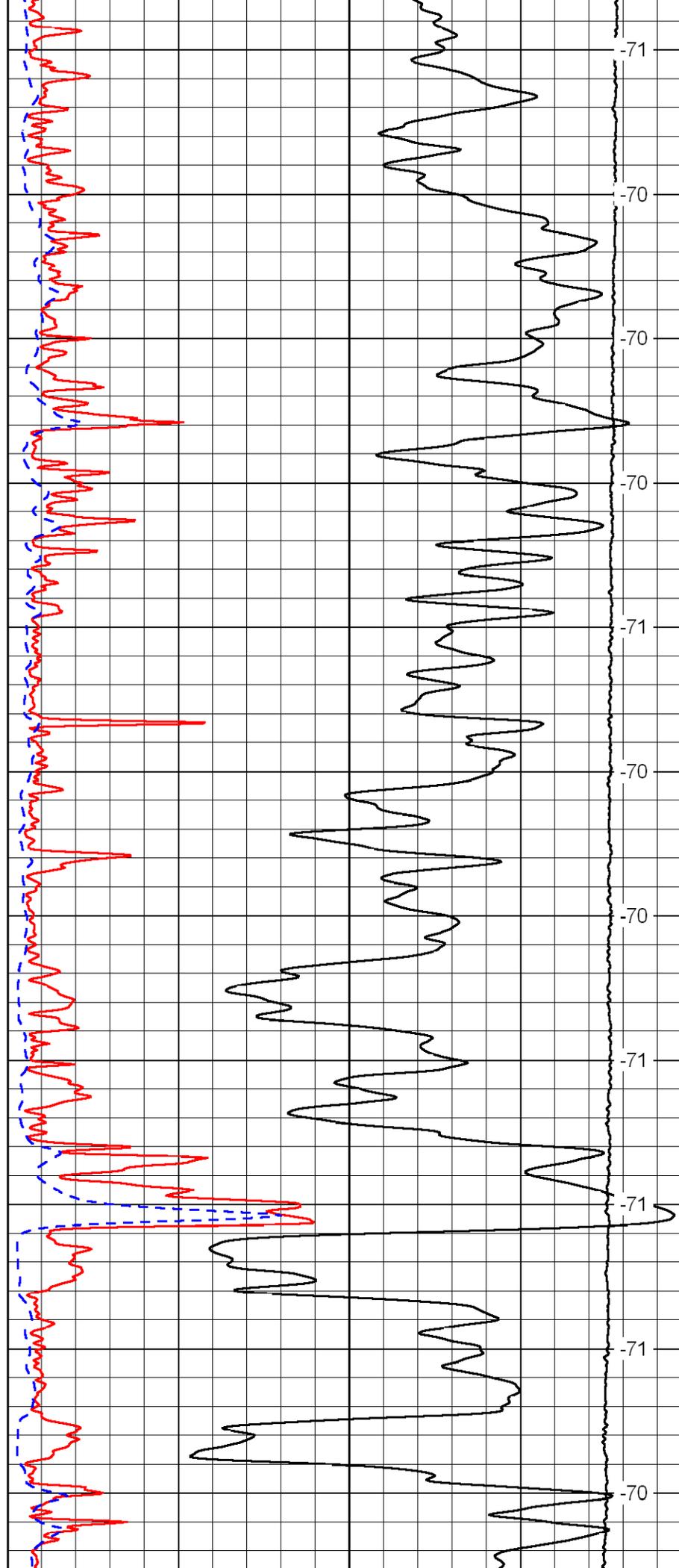
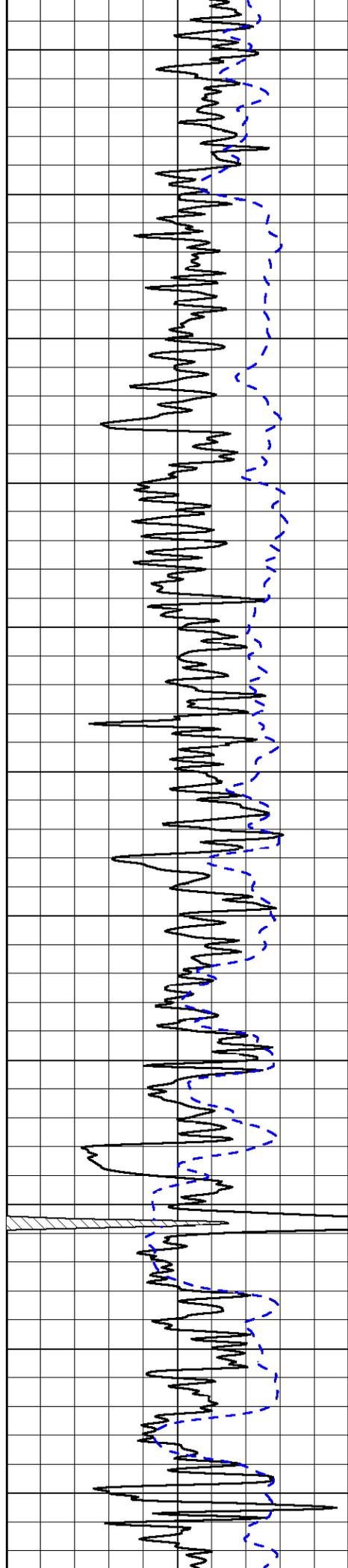
LSPD	(ft/min)
0	0



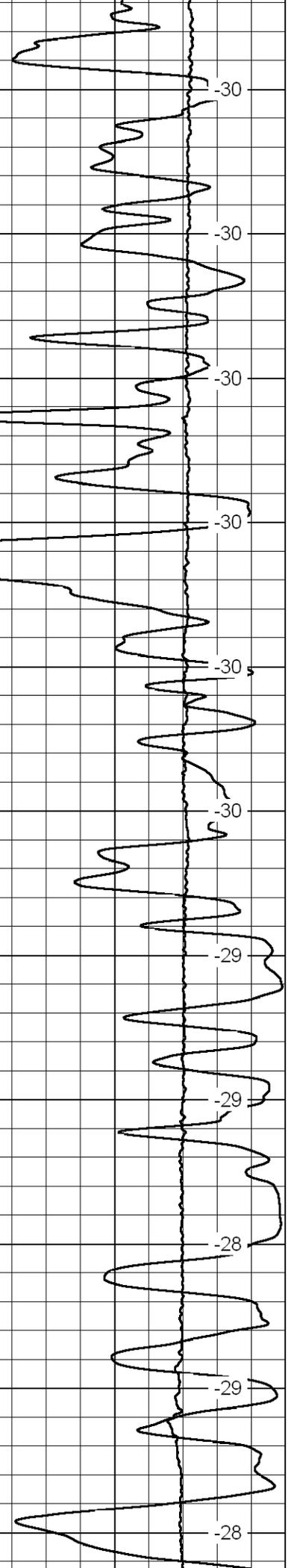
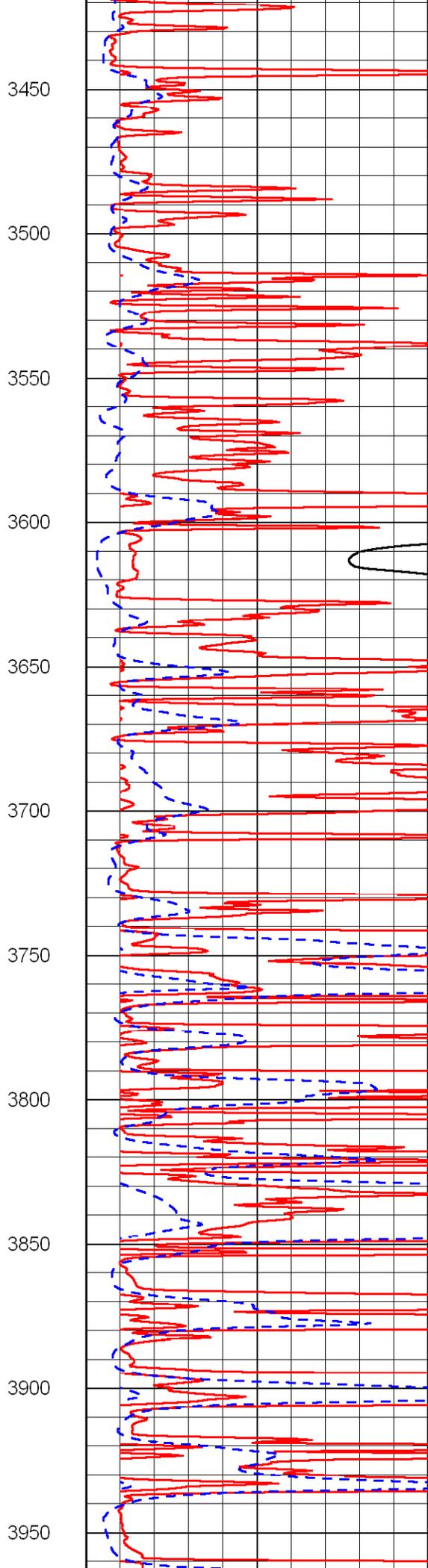
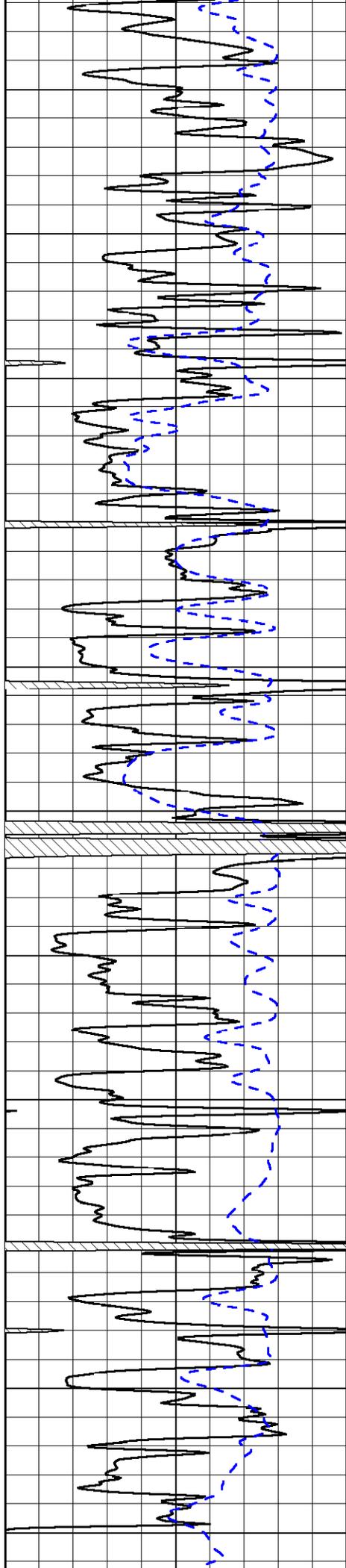


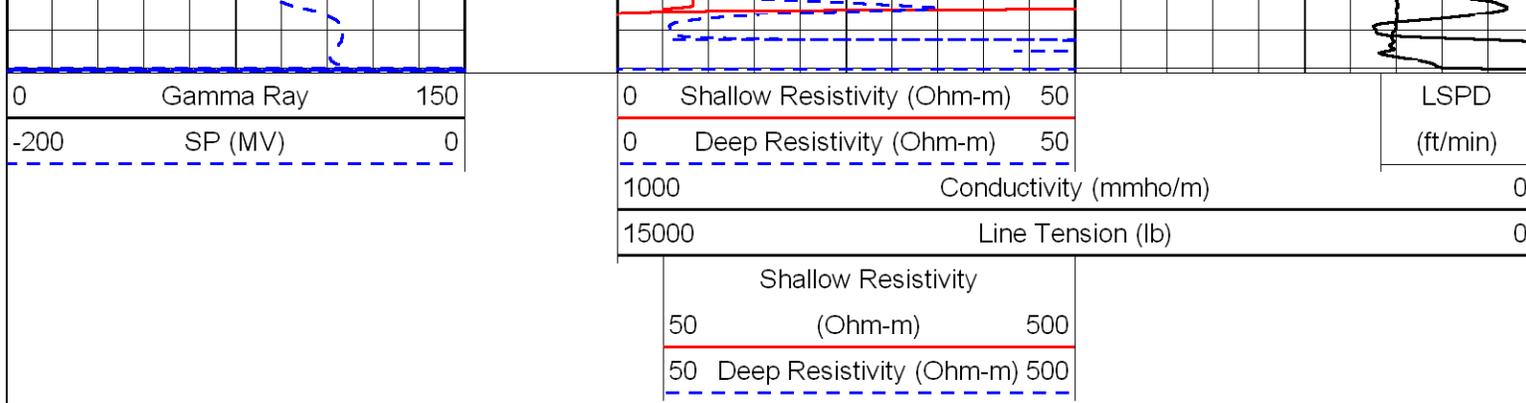




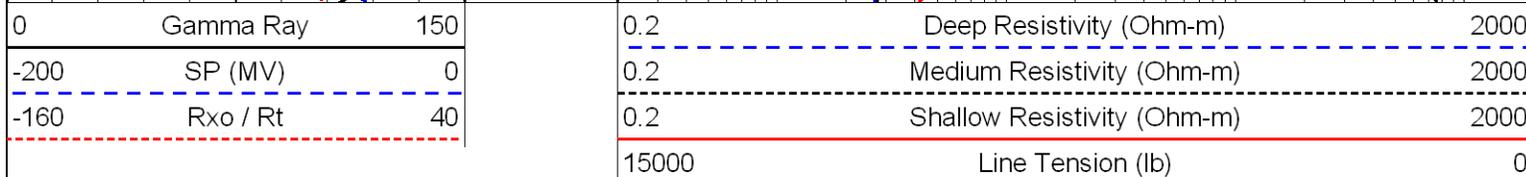
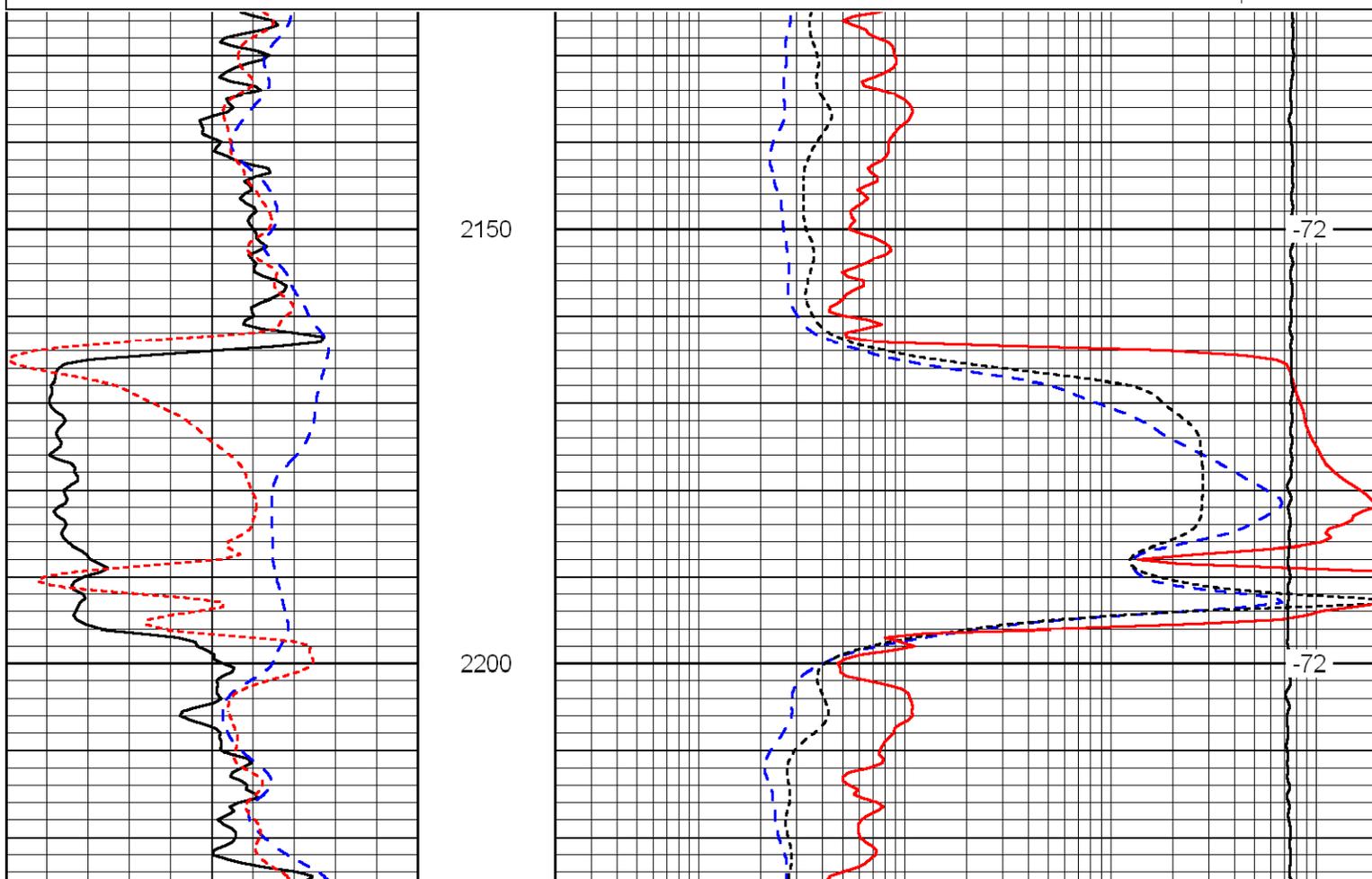
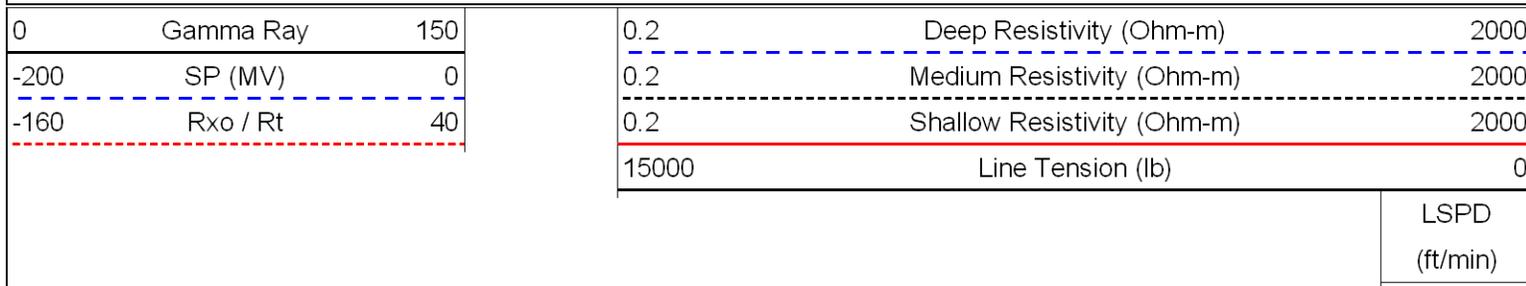








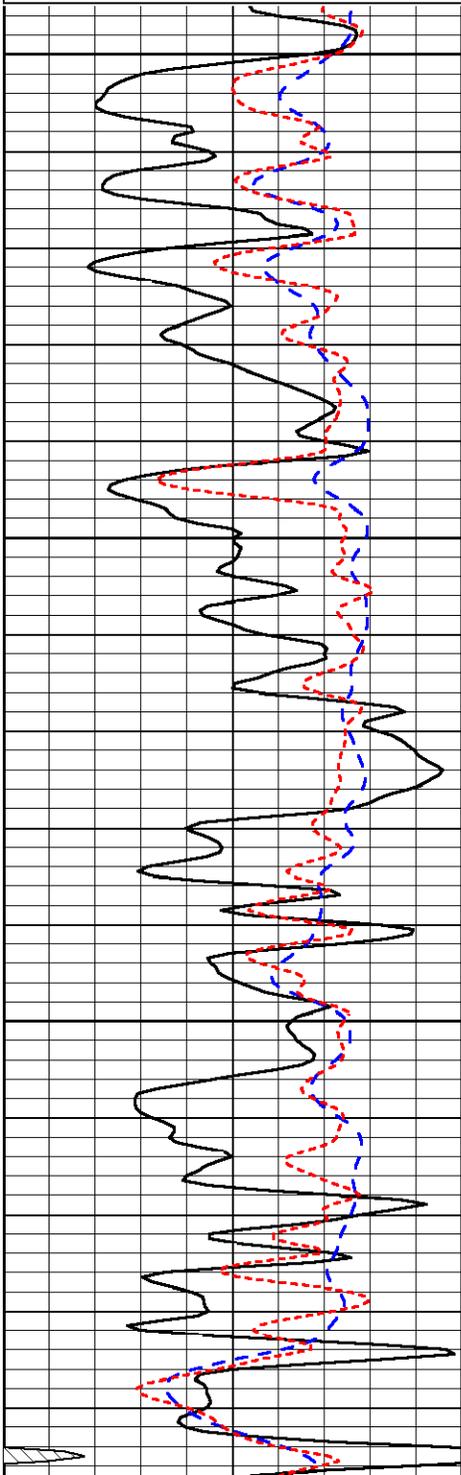
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 Charted by: Depth in Feet scaled 1:240

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

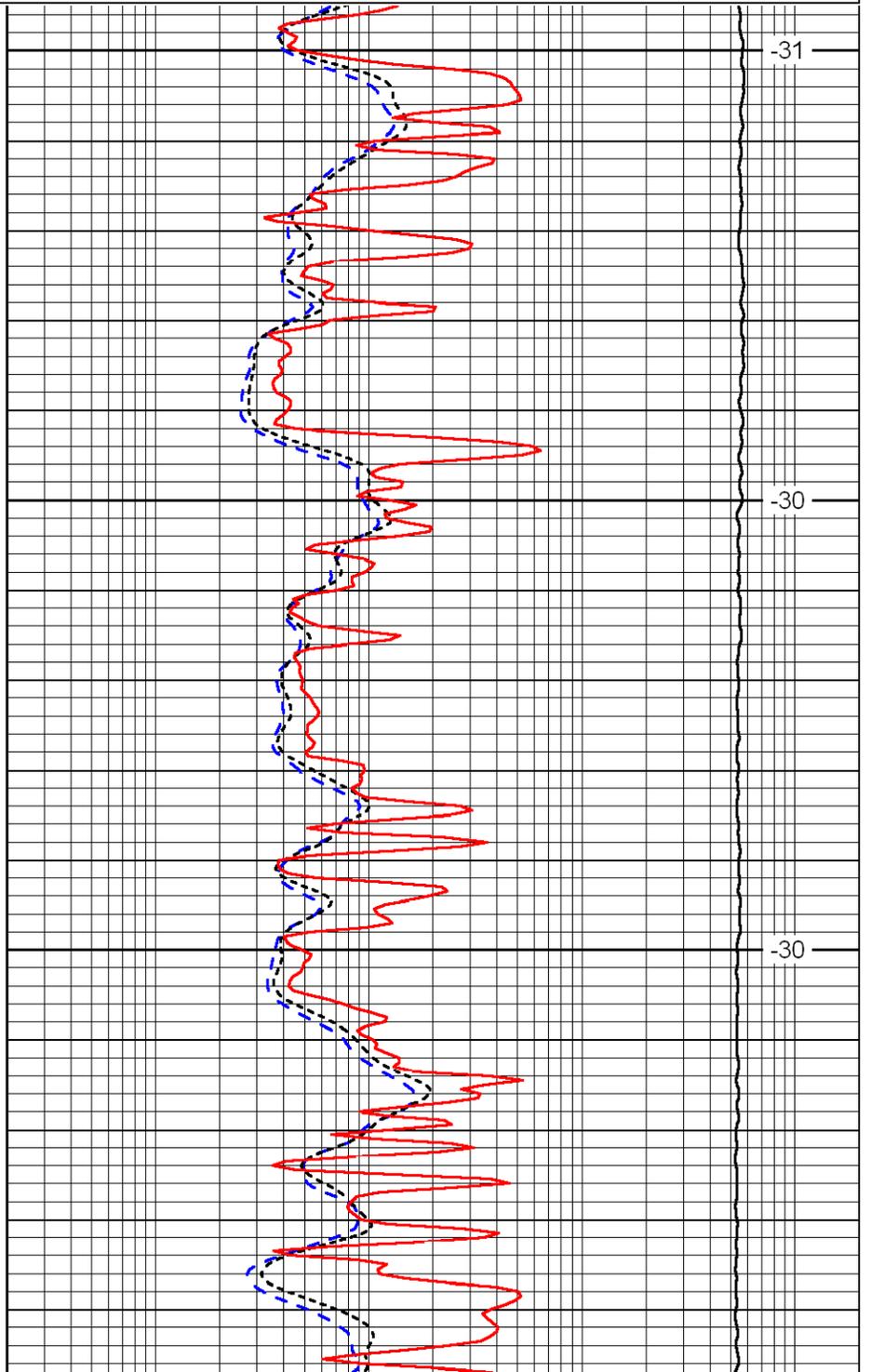
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0



3400

3450

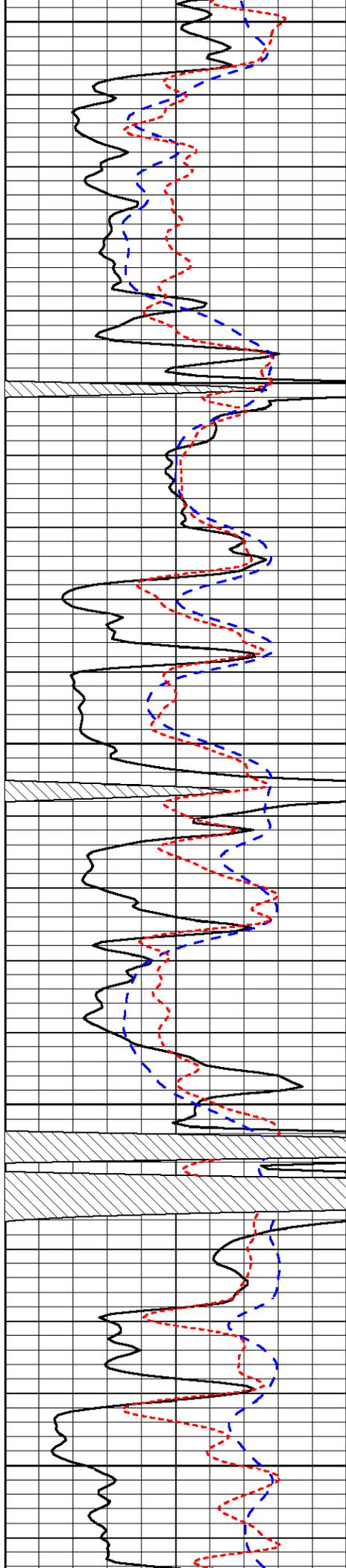
3500



-31

-30

-30



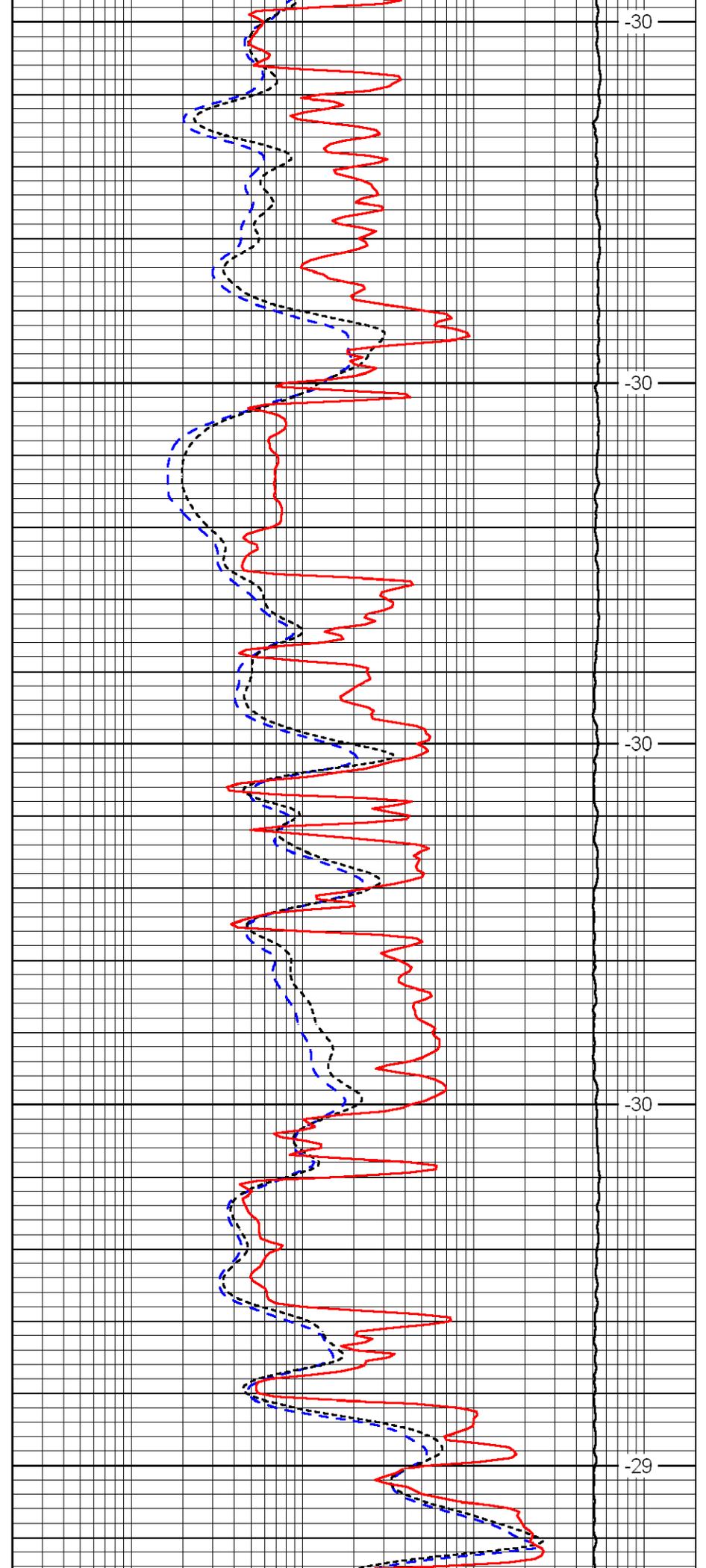
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3600

3650

3700

3750



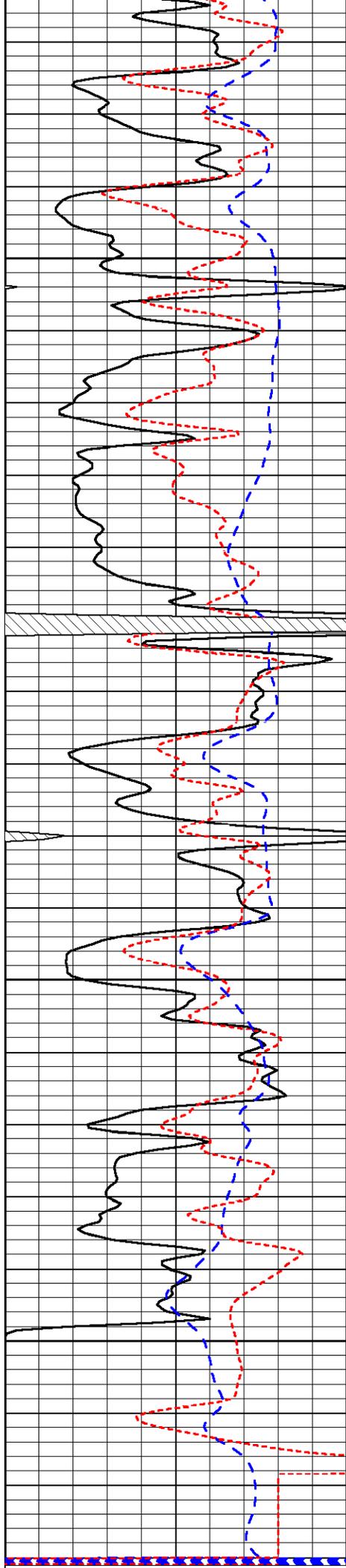
-30

-30

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-29

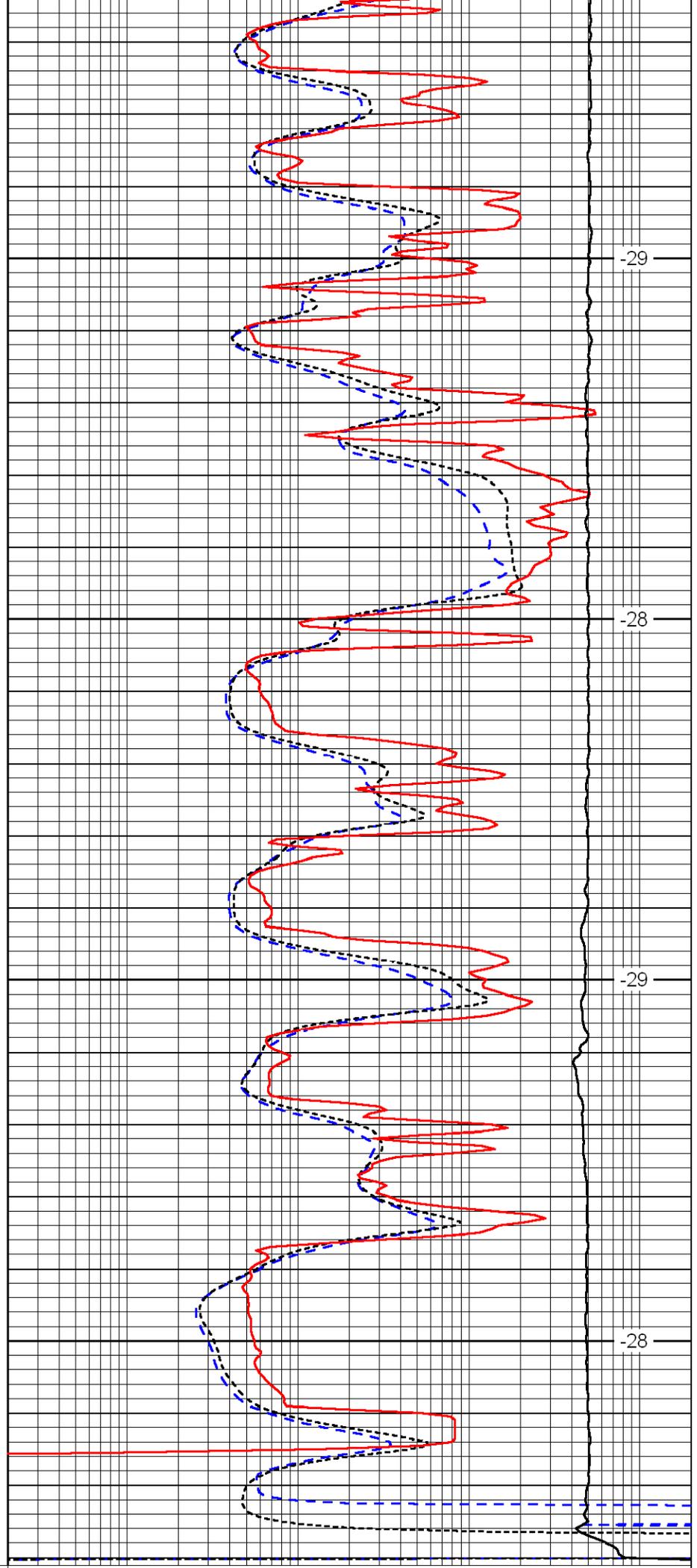


3800

3850

3900

3950



-29

-28

-29

-28

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)