

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

15-185-25,383-00-00

Company Hartman Oil Co., Inc.

Well Neeland No. 1

Field Wildcat

County Barton

State

Kansas

Location

112' FNL & 1220' FWL

Sec: 8

Twp: 19 S

Rge: 12 W

Permanent Datum Ground Level Elevation 1814
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
MEL

Elevation
K.B. 1824
D.F. 1814
G.L. 1814

Date 2/12/2010

Run Number One

Depth Driller 3475

Depth Logger 3479

Bottom Logged Interval 3478

Top Log Interval 300

Casing Driller 8.625 @ 343

Casing Logger 346

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 7.600

Density / Viscosity 9.2 54

pH / Fluid Loss 10.5 10.0

Source of Sample Flowline

Rm @ Meas. Temp .35 @ 56

Rmf @ Meas. Temp .26 @ 56

Rmc @ Meas. Temp .47 @ 56

Source of Rmf / Rmc Charts

Rm @ BHT .17 @ 113

Operating Rig Time 3 Hours

Max Rec. Temp. F 113

Equipment Number 007

Location Hays

Recorded By K. Bange

Witnessed By Wes Hansen

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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

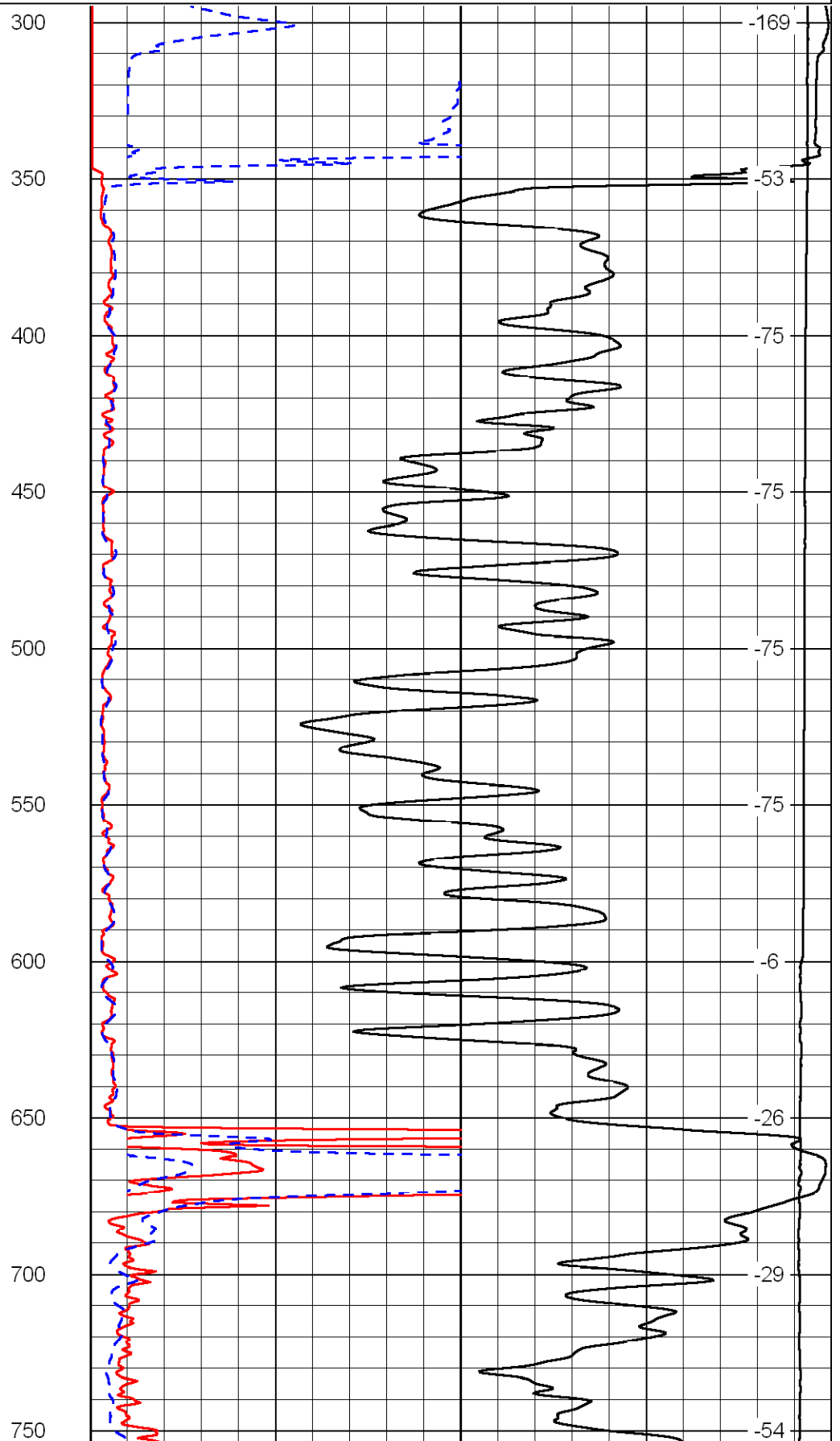
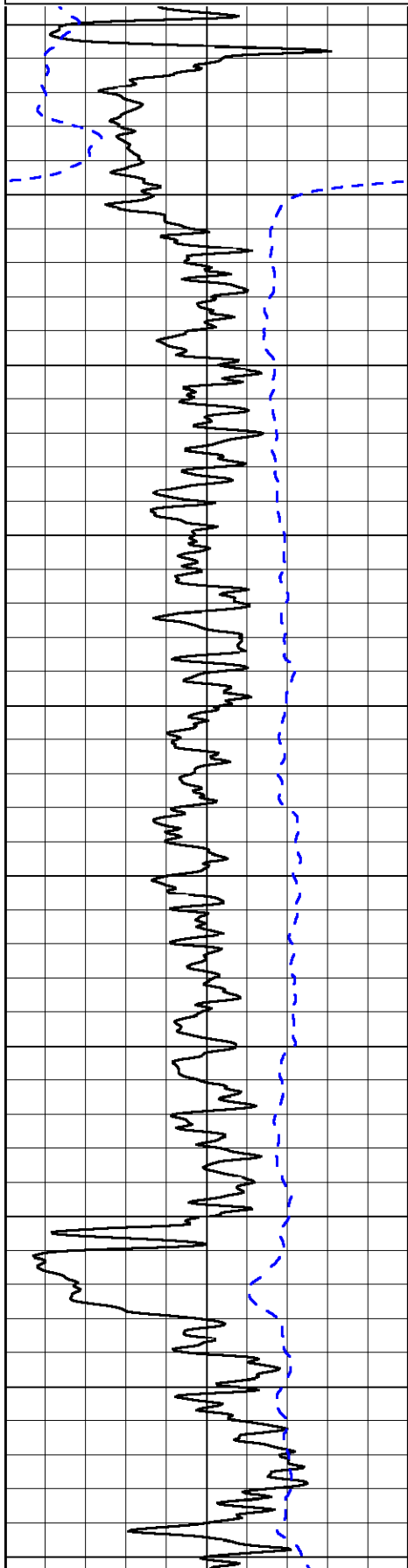
Thank you for using Log-Tech, Inc.
(785) 625-3858

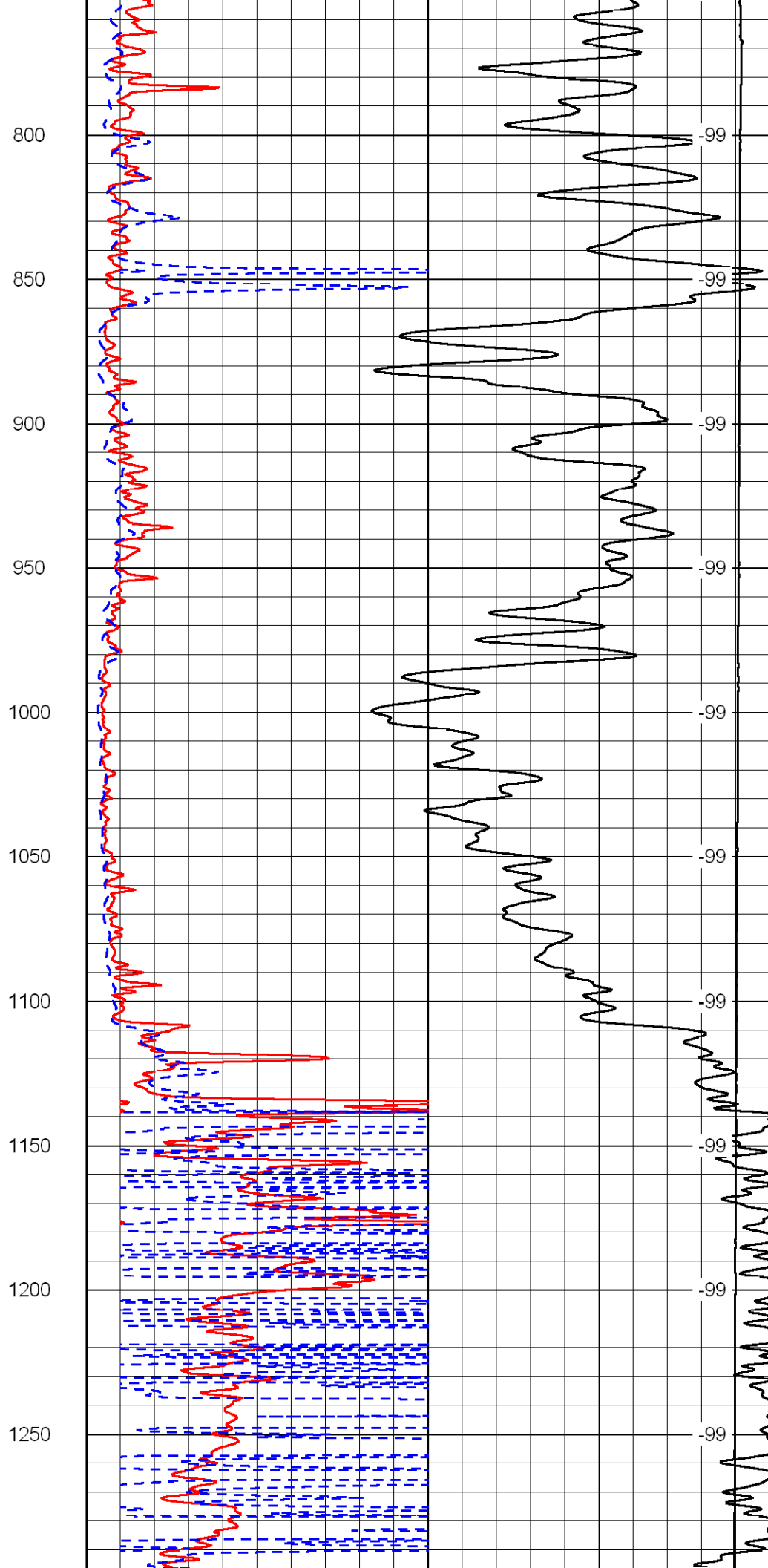
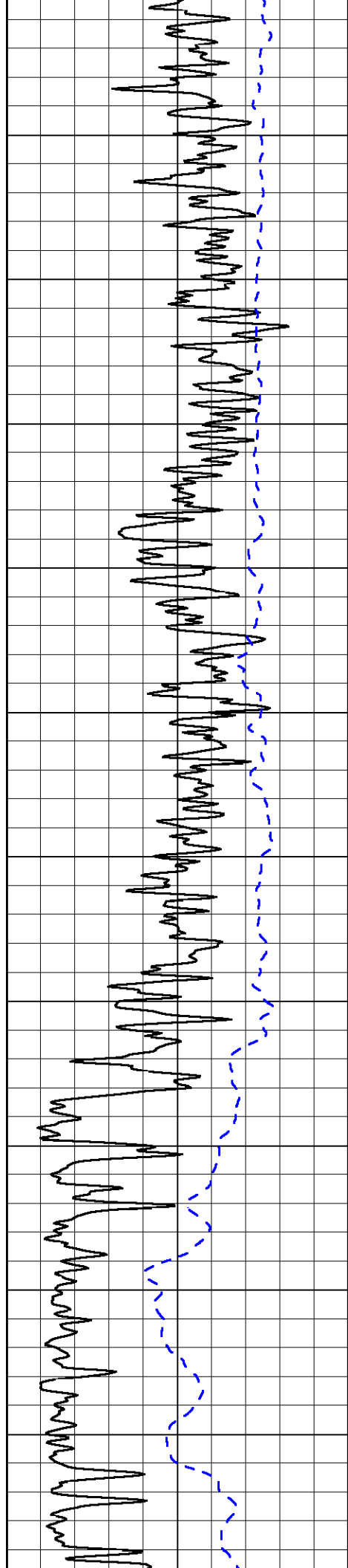
Hoisington, S to BCCC rd, E to 156, NE 100 yds to 60 rd, N 2 to 40 rd,
3/4 W, S into

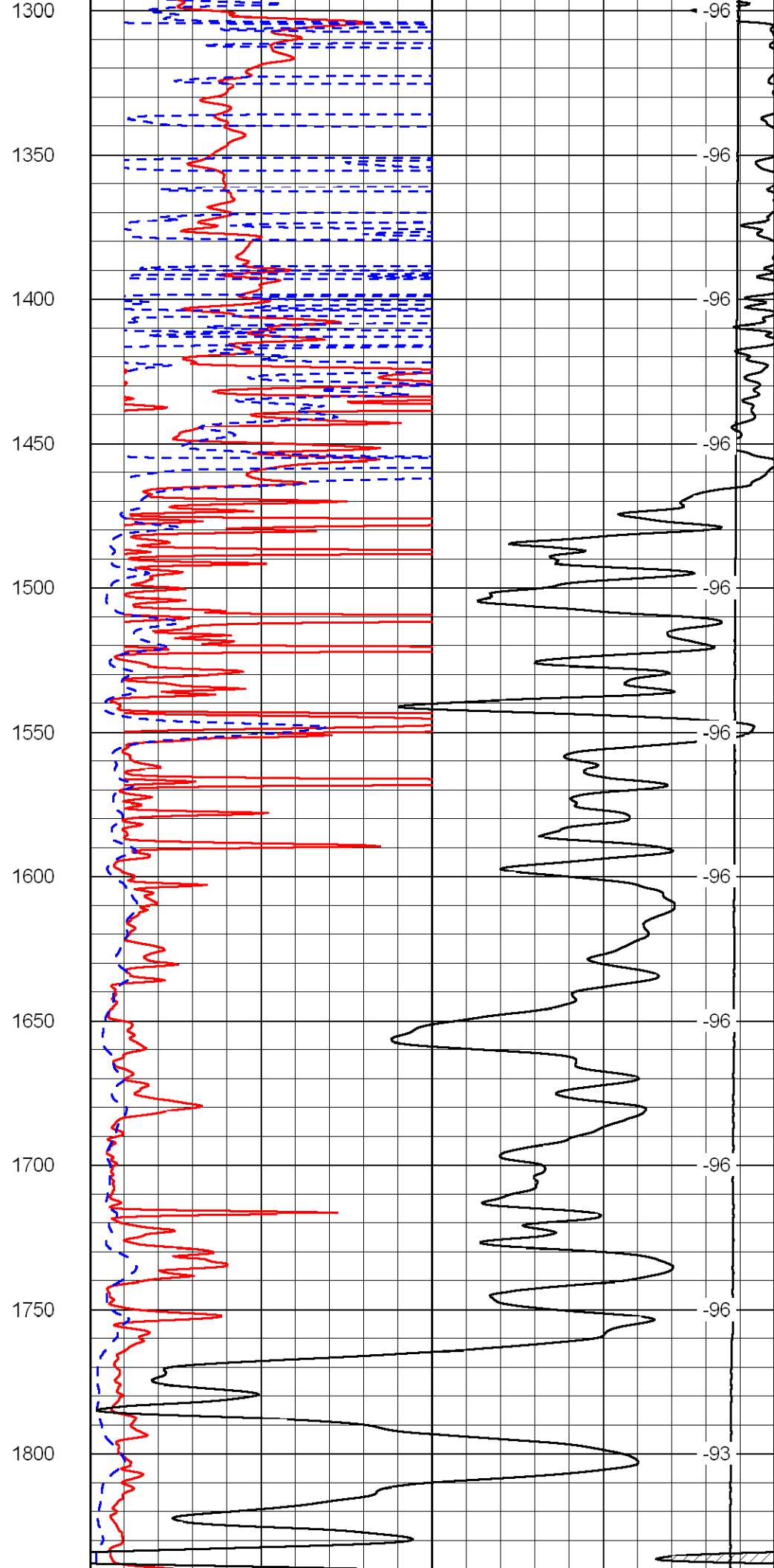
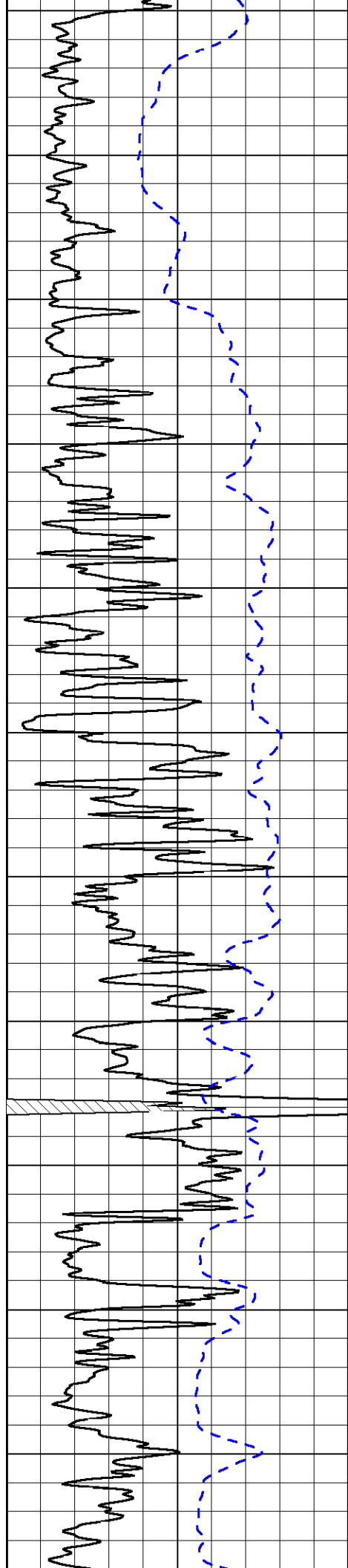
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Dataset Pathname: dil/hart2in
Presentation Format: dil2in
Dataset Creation: Fri Feb 12 11:27:12 2010
Charted by: Depth in Feet scaled 1:600

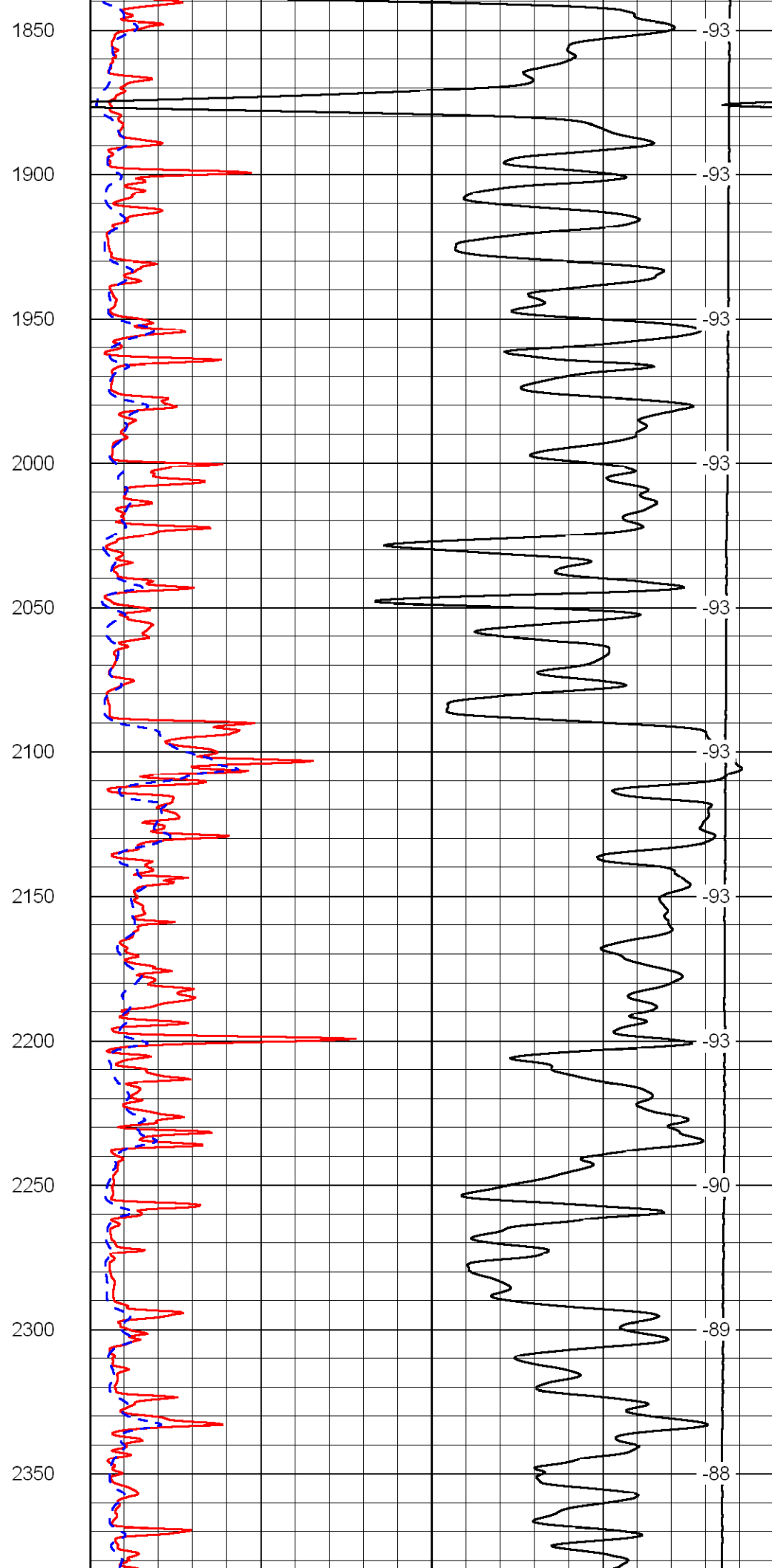
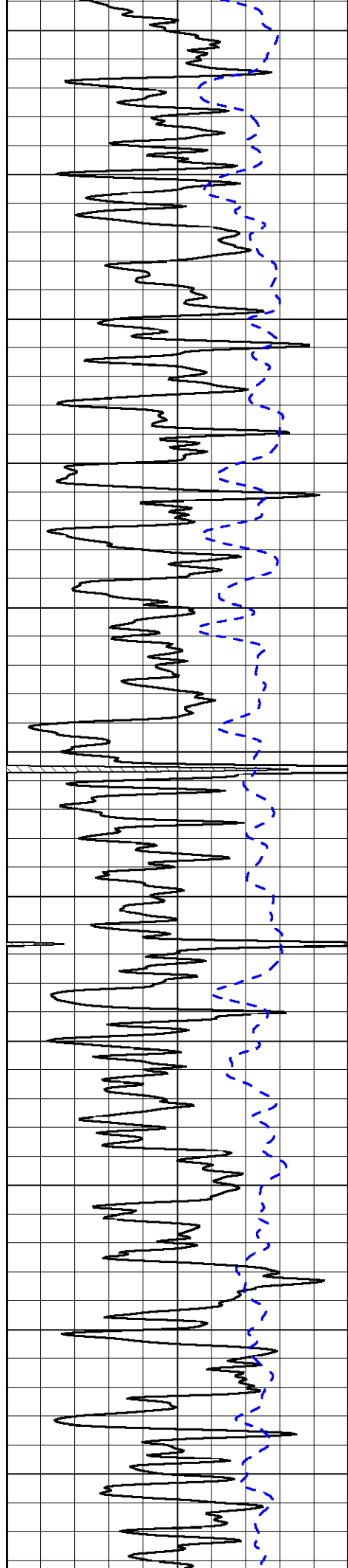
0	Gamma Ray	150
-200	SP (MV)	0

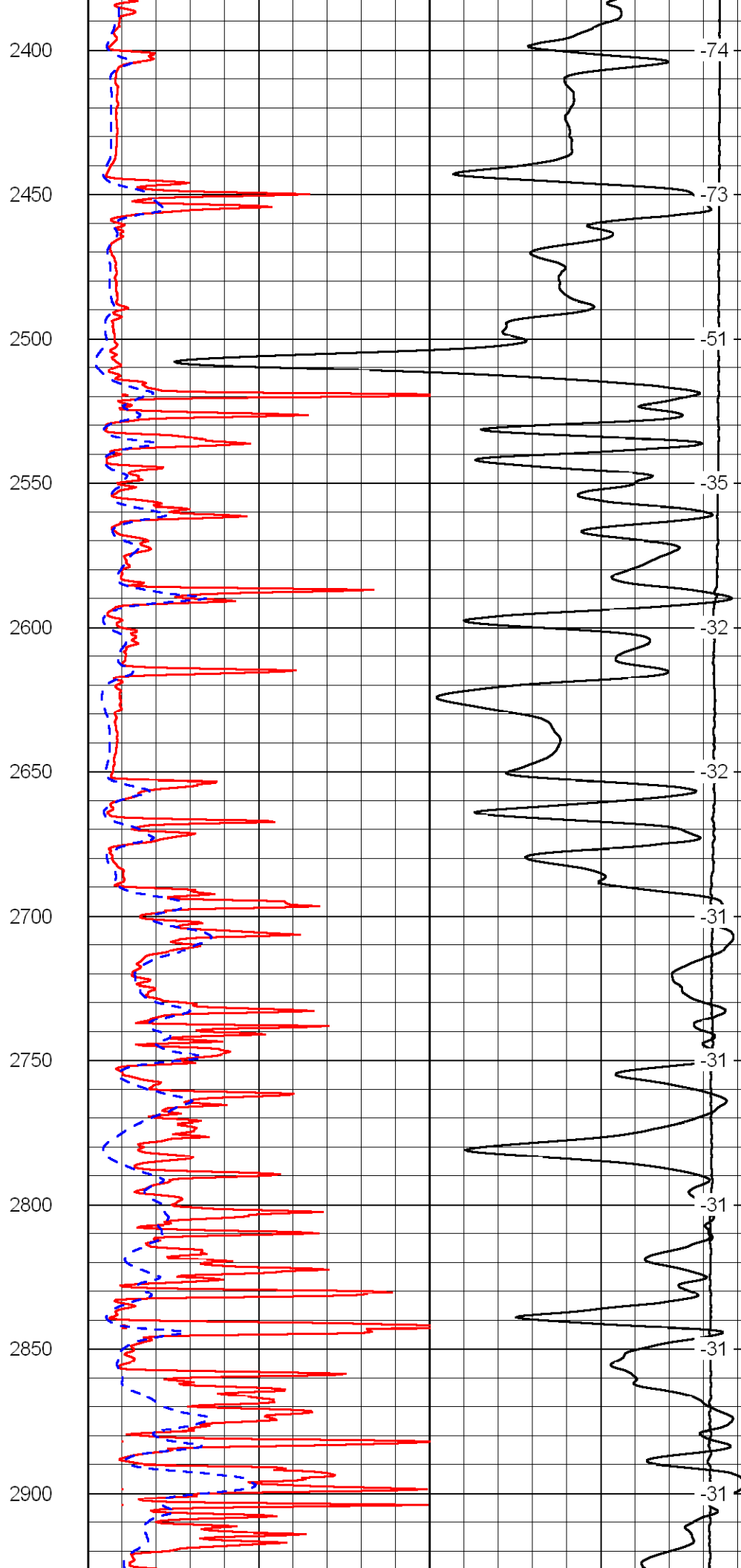
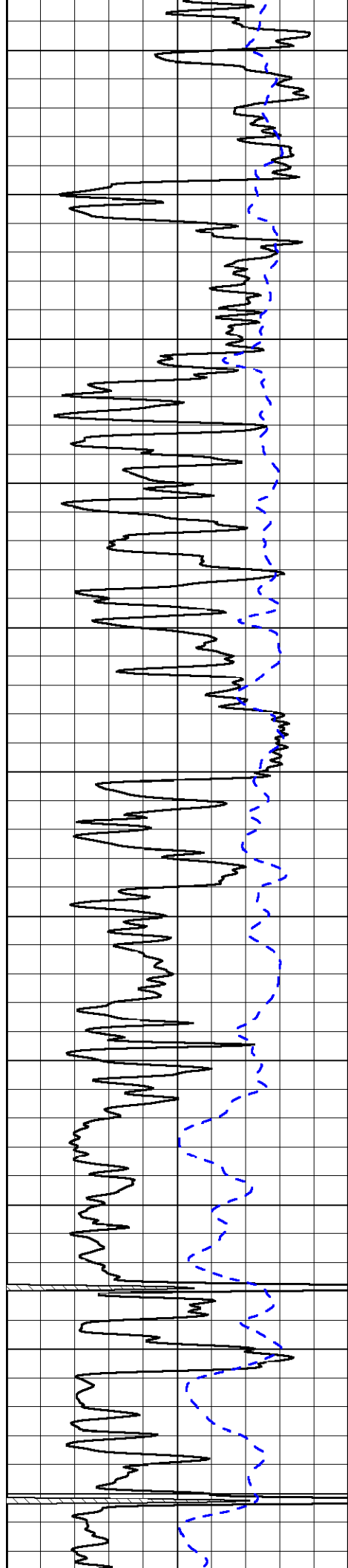
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

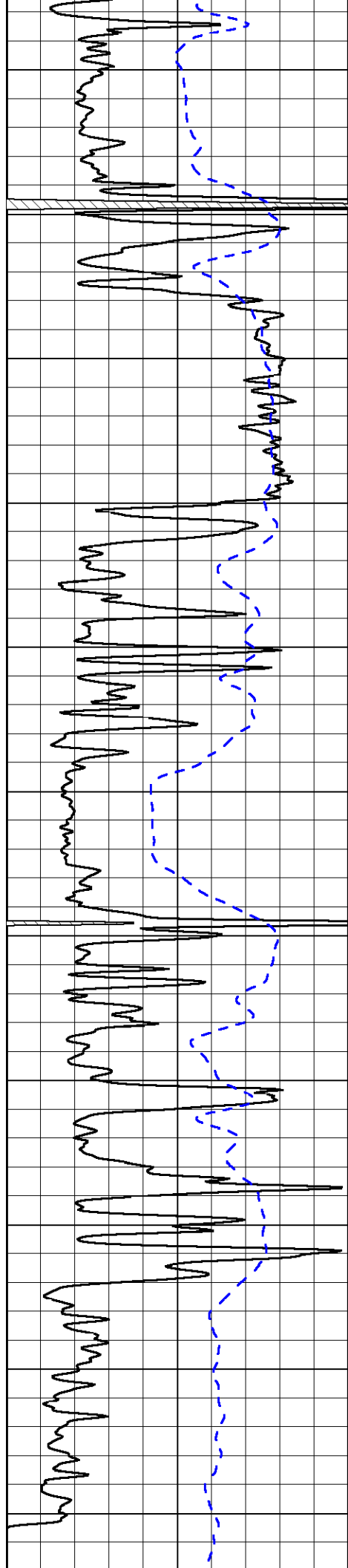












2950

3000

3050

3100

3150

3200

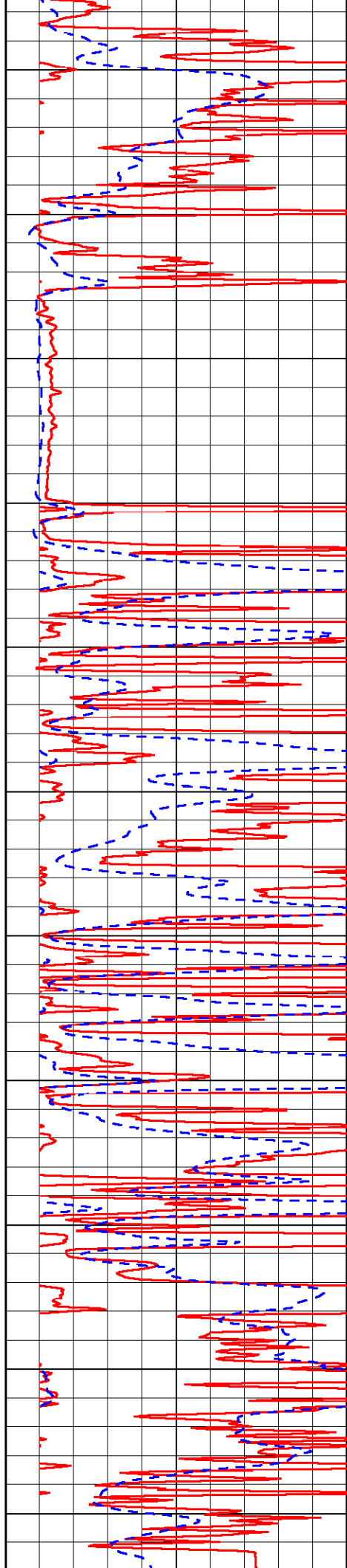
3250

3300

3350

3400

3450



-30

-23

-23

-26

-31

-31

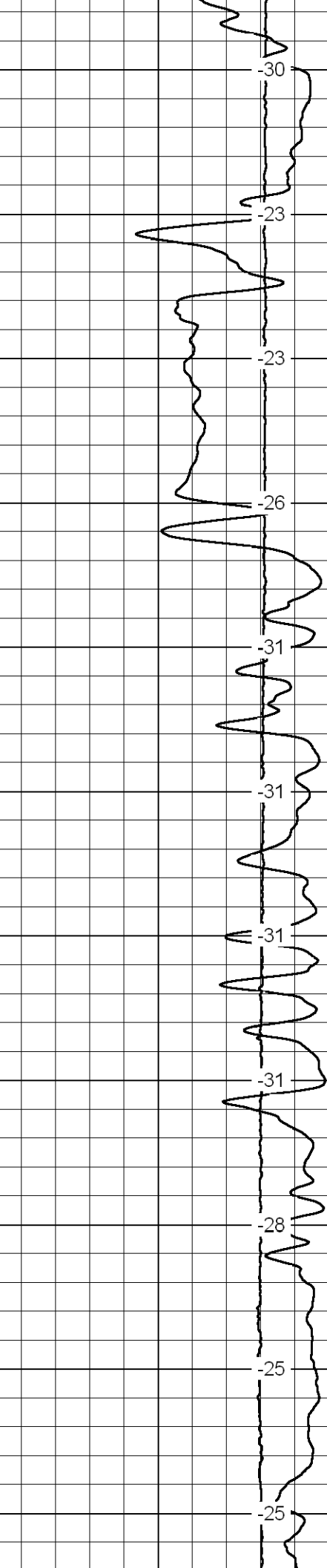
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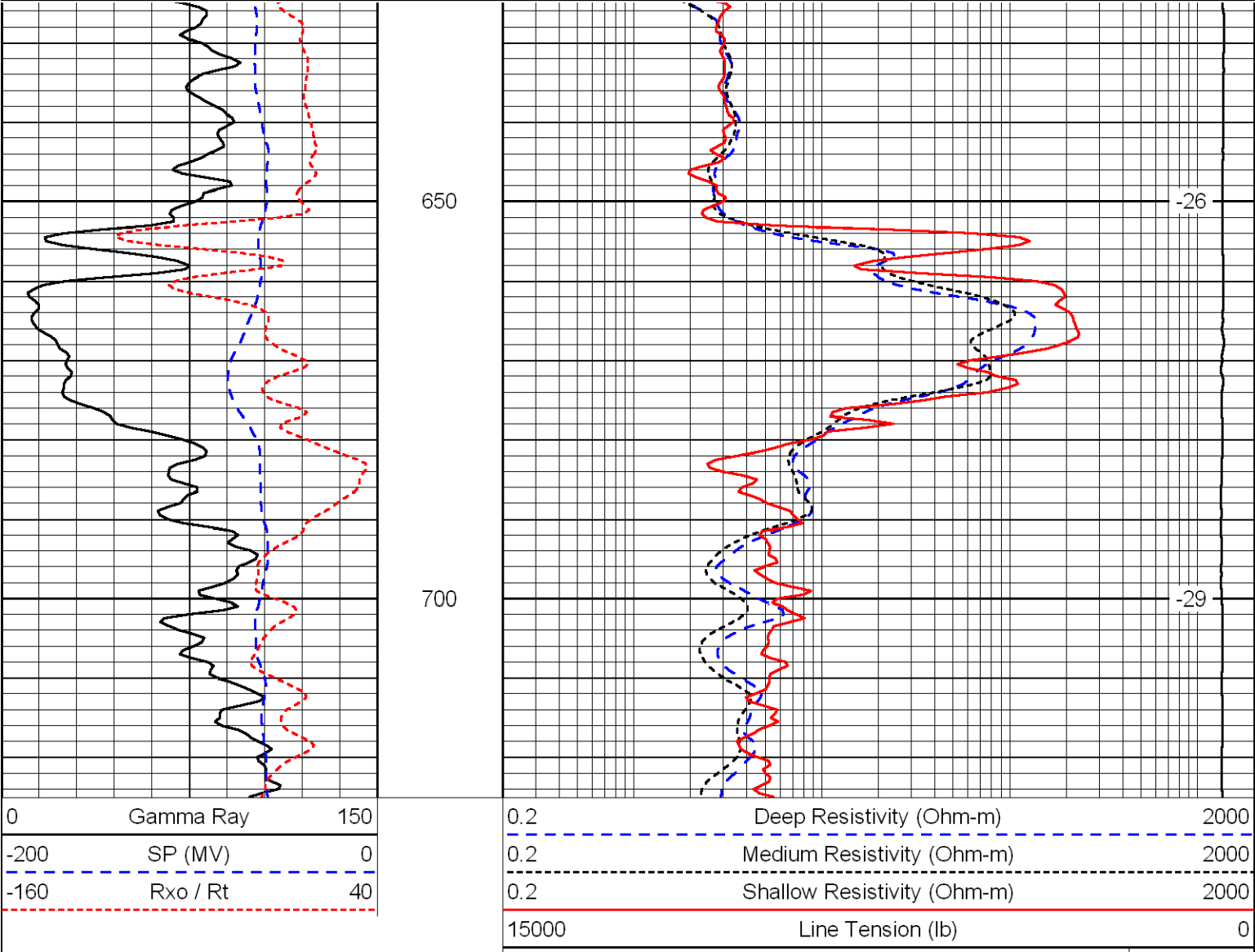
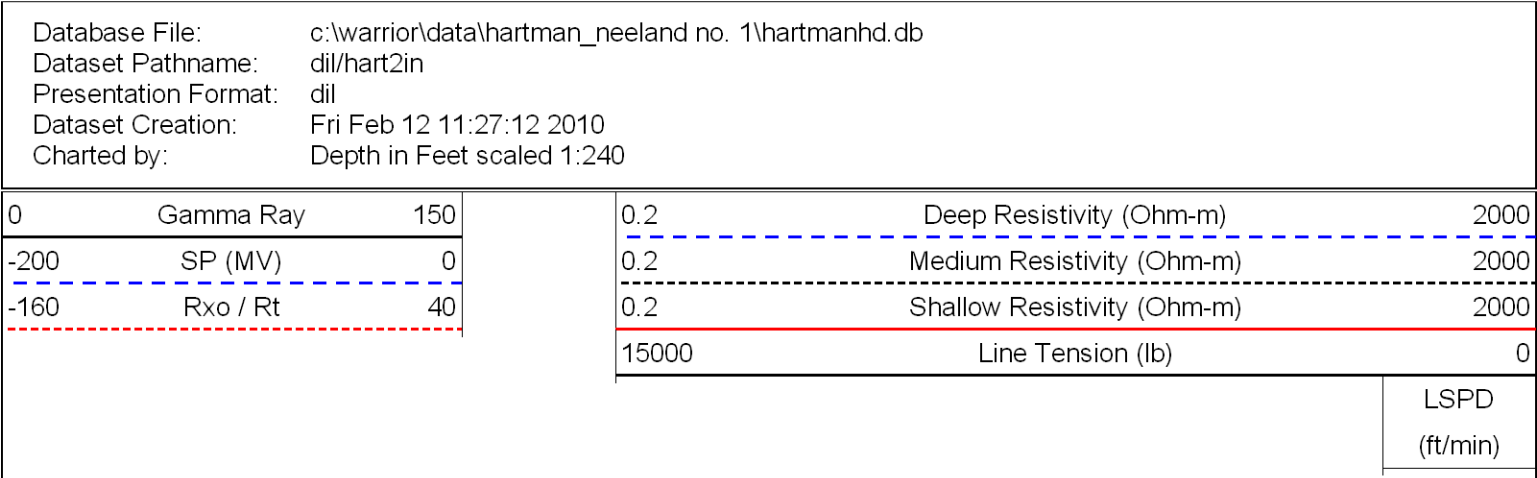
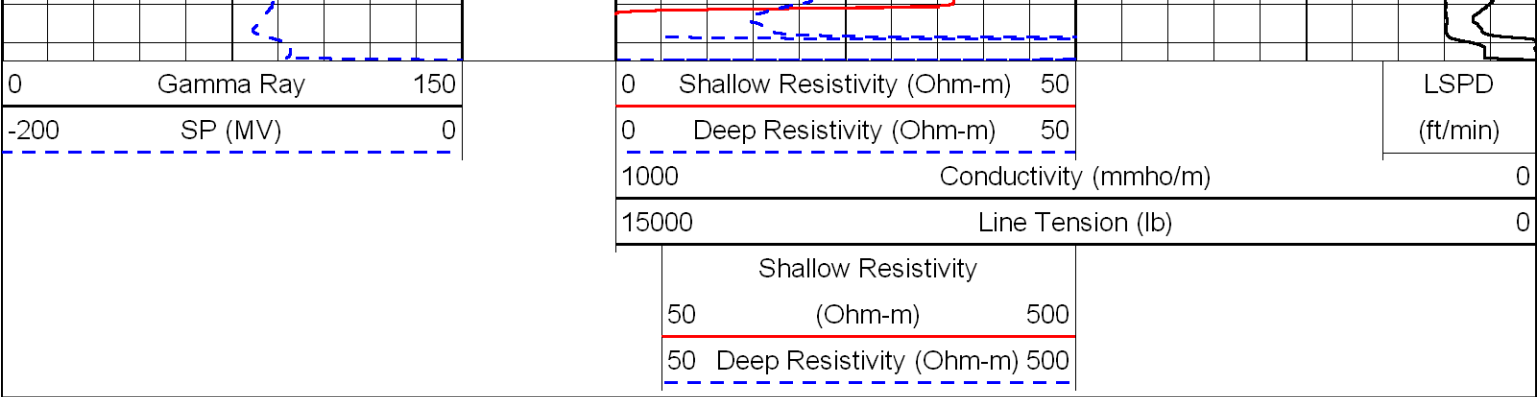
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-28

-25

-25

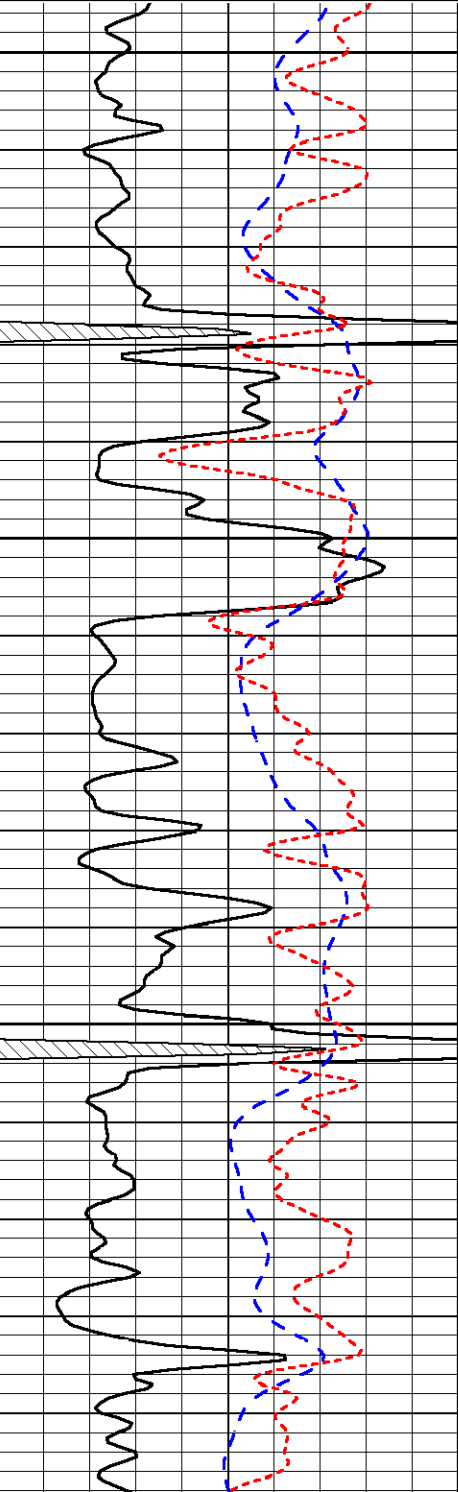




Database File: c:\warrior\data\hartman_neeland no. 1\hartmanhd.db
Dataset Pathname: dil/hart2in
Presentation Format: dil
Dataset Creation: Fri Feb 12 11:27:12 2010
Charted by: Depth in Feet scaled 1:240

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

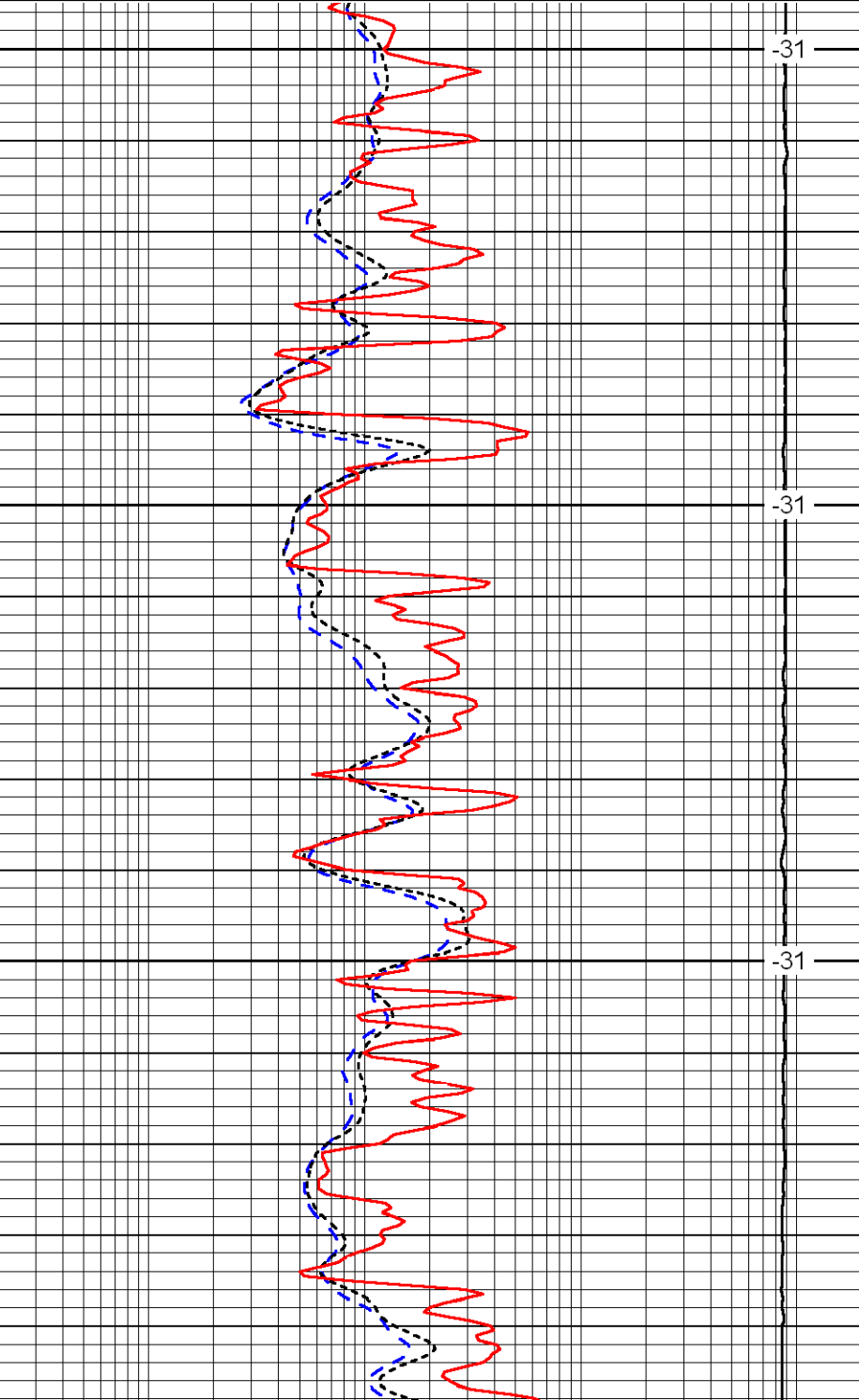
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0



2800

2850

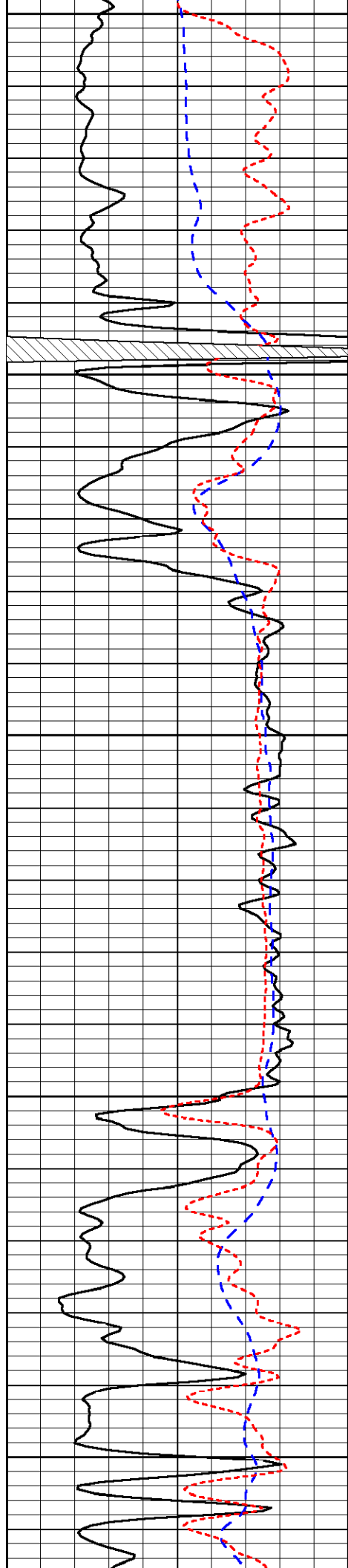
2900



-31

-31

-31



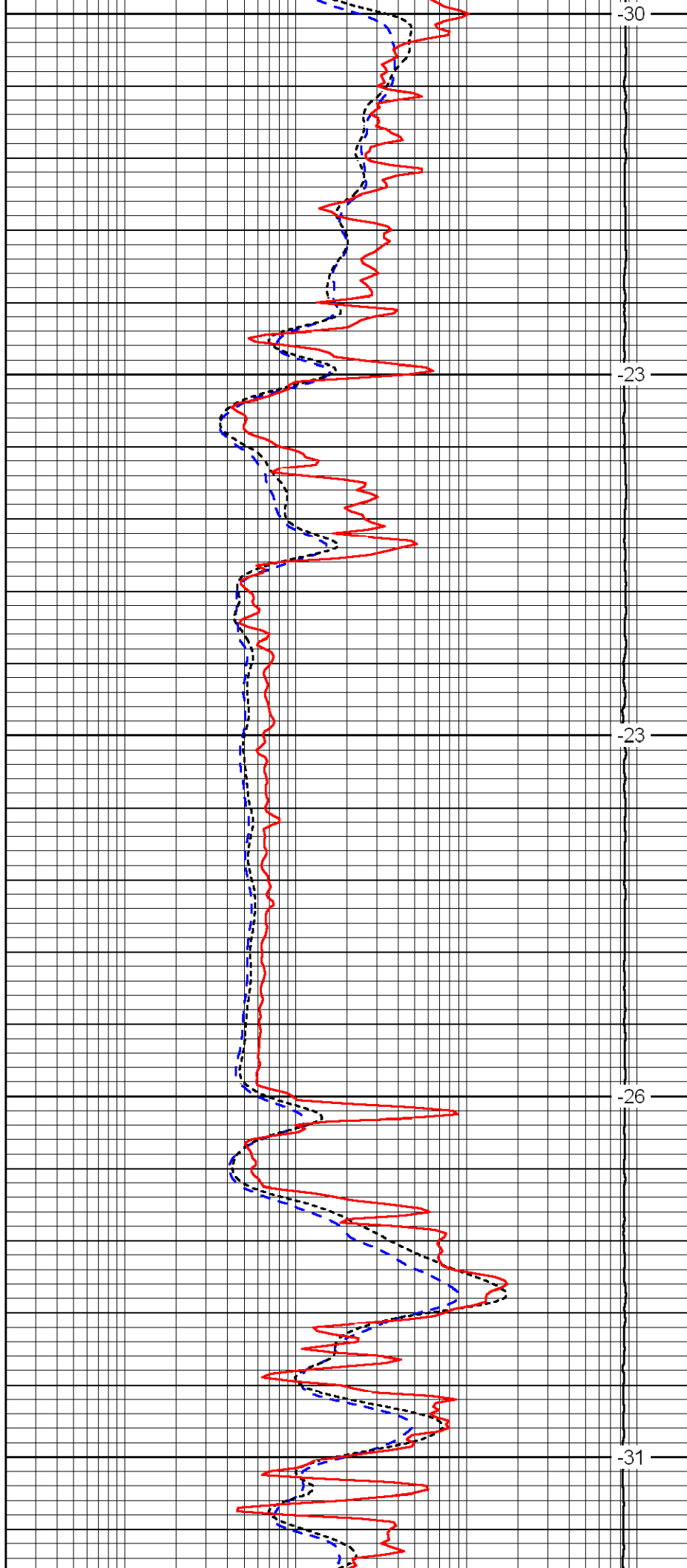
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3000

3050

3100

3150



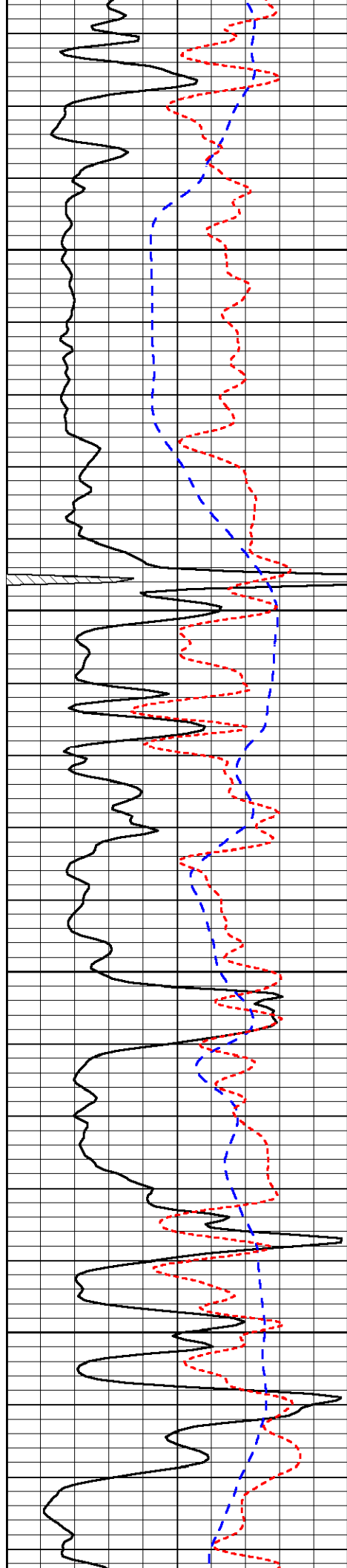
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23

23

26

31

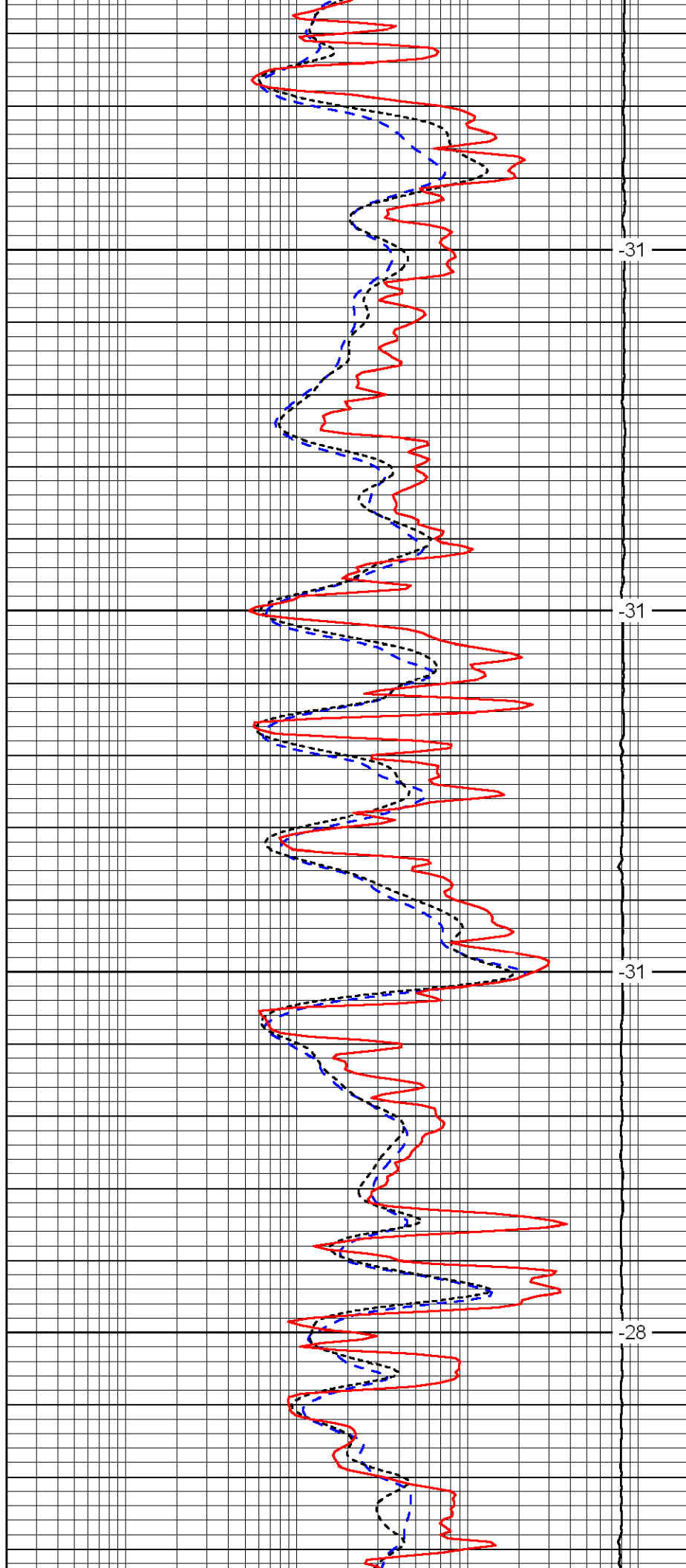


3200

3250

3300

3350

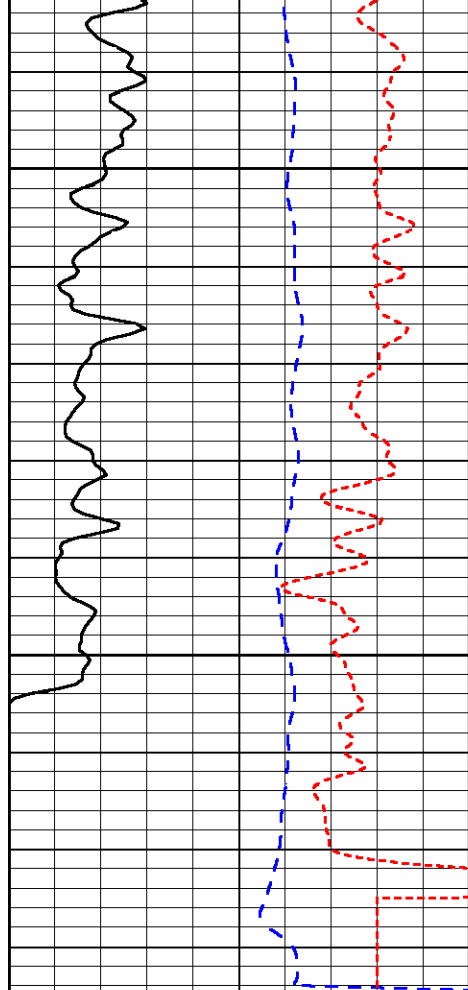


-31

-31

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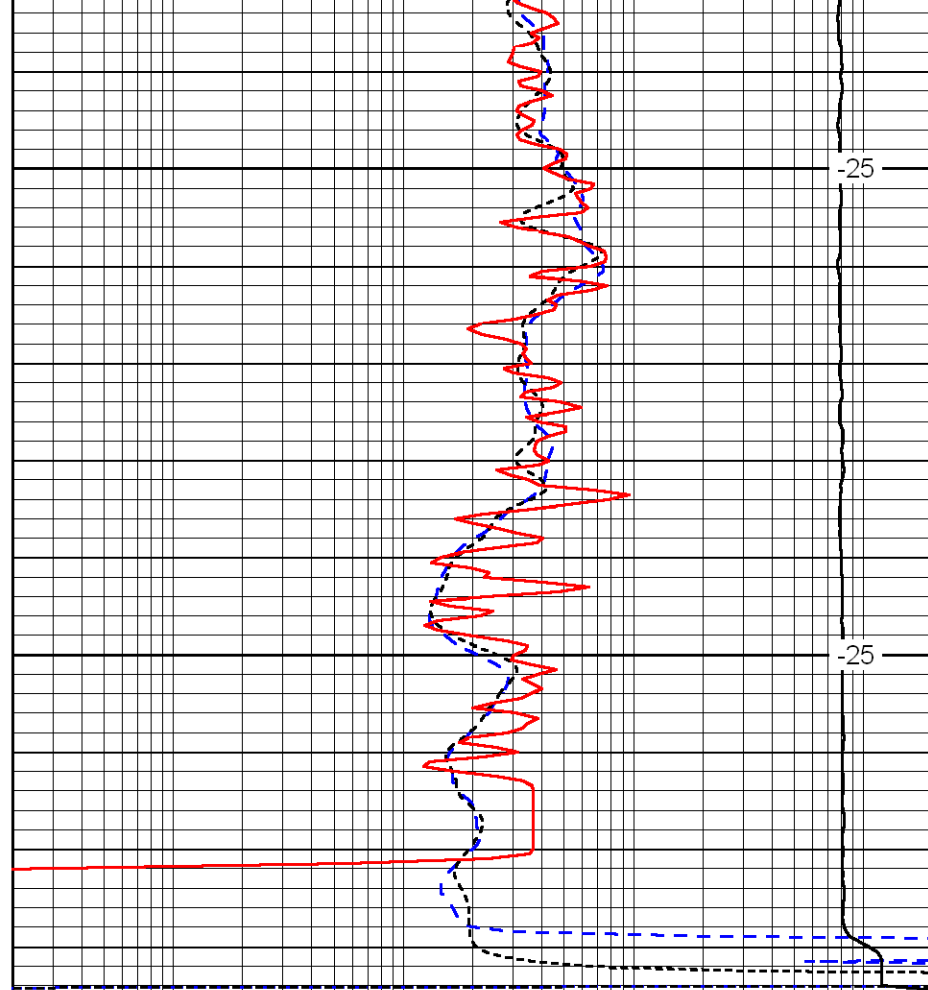
-28



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

3400

3450



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)