



Pioneer Energy Services

Dual Induction Log

API No.

15-009-26031-00-00

Company CG Oil, Inc.

Well JMR #3

Field Trapp

County Barton

State

Kansas

Location

2225' FNL & 2310' FEL

Sec: 28

Twp: 16S

Rge: 13W

Elevation

K.B. 1987
D.F. 1978
G.L. 1978Other Services
CNL/CDL
MELPermanent Datum Ground Level Elevation 1978
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 10/24/2014

Run Number One

Depth Driller 3500

Depth Logger 3501

Bottom Logged Interval 3500

Top Log Interval 1000

Casing Driller 8.625 @ 1016

Casing Logger 1016

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 8000

Density / Viscosity 9.3 52

pH / Fluid Loss 9.5 9.6

Source of Sample Flowline

Rm @ Meas. Temp 0.39 @ 63

Rmf @ Meas. Temp 0.29 @ 63

Rmc @ Meas. Temp 0.53 @ 63

Source of Rmf / Rmc Charts

Rm @ BHT 0.22 @ 111

Operating Rig Time 3 Hours

Max Rec. Temp. F 111

Equipment Number 91

Location Hays

Recorded By D. Schmidt

Witnessed By Ron Schmidberger

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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

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(785) 625-3858

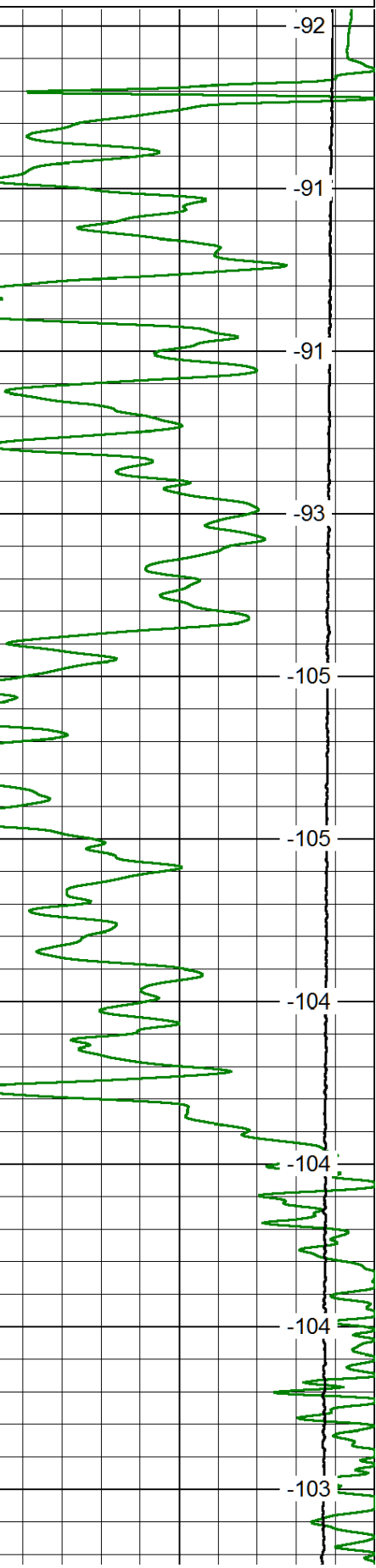
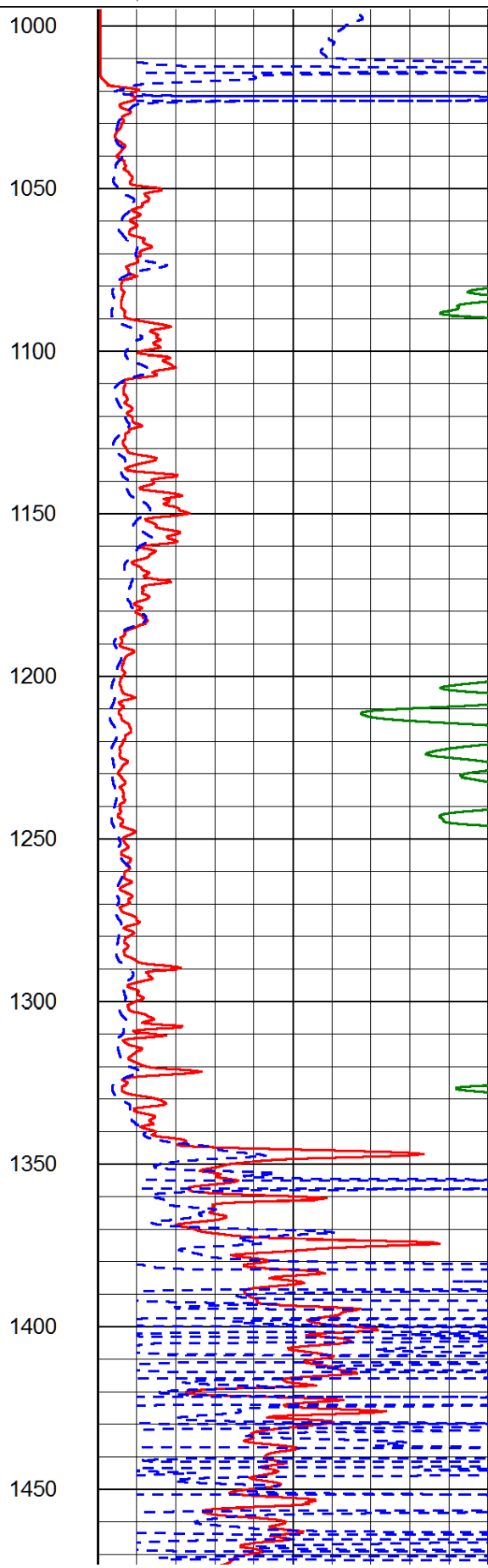
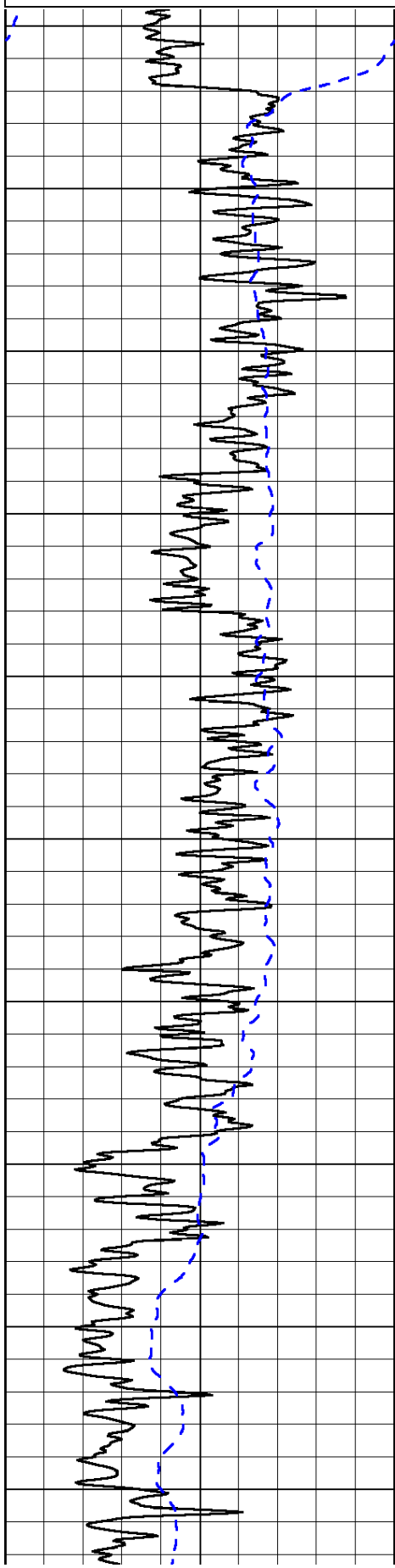
Susank,
1/2 East, South into

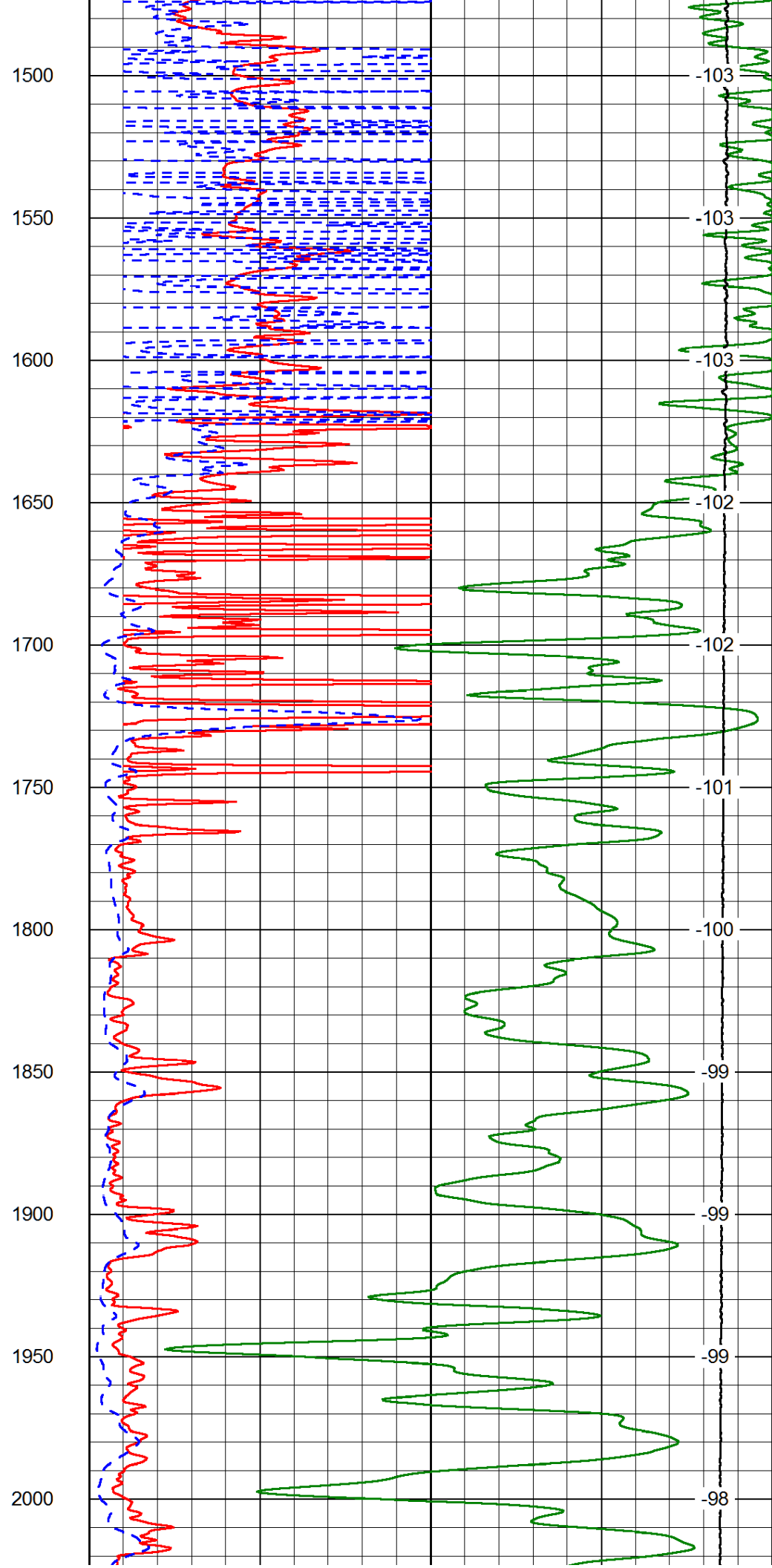
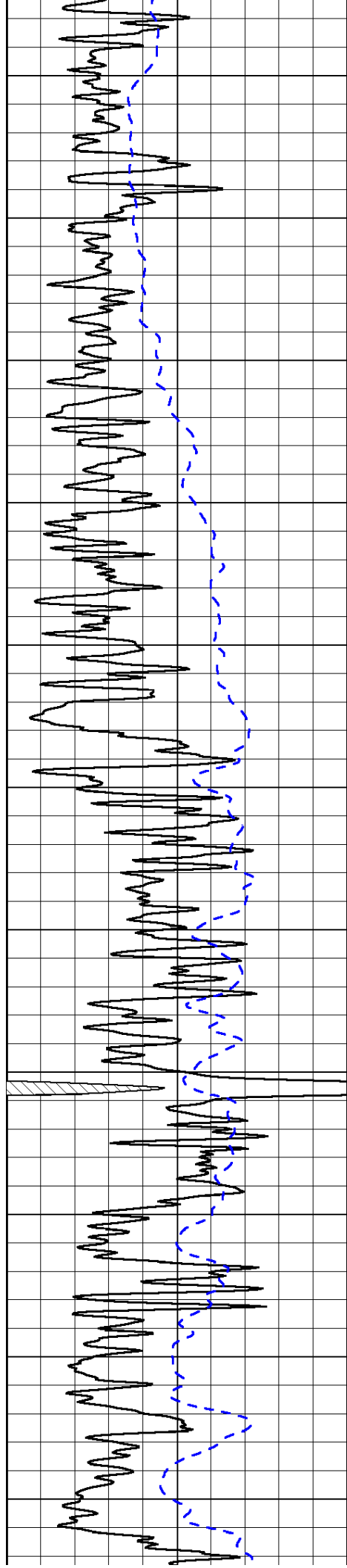
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Dataset Pathname: dil/cgstkml
Presentation Format: dil2in
Dataset Creation: Fri Oct 24 18:03:45 2014
Charted by: Depth in Feet scaled 1:600

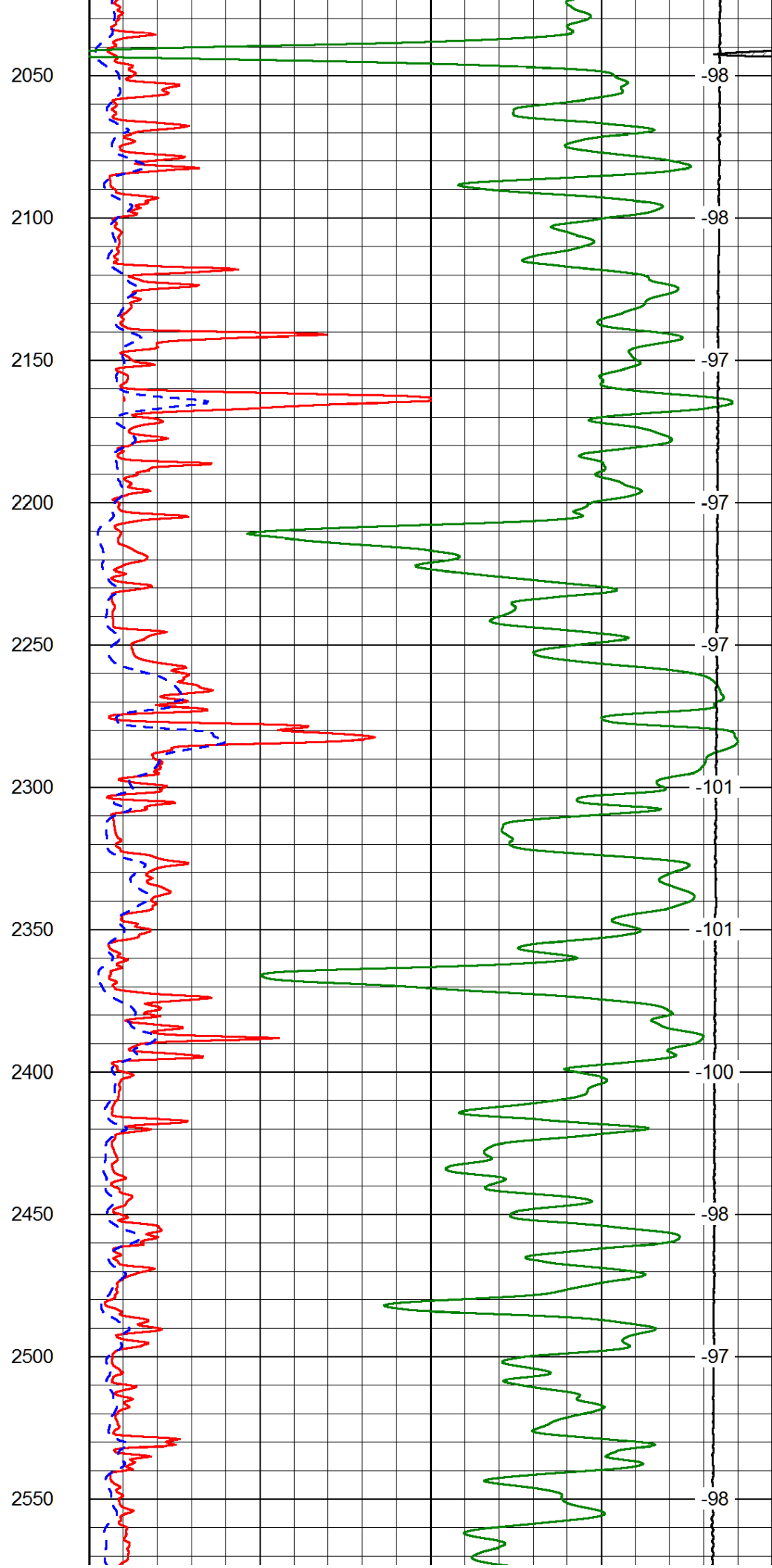
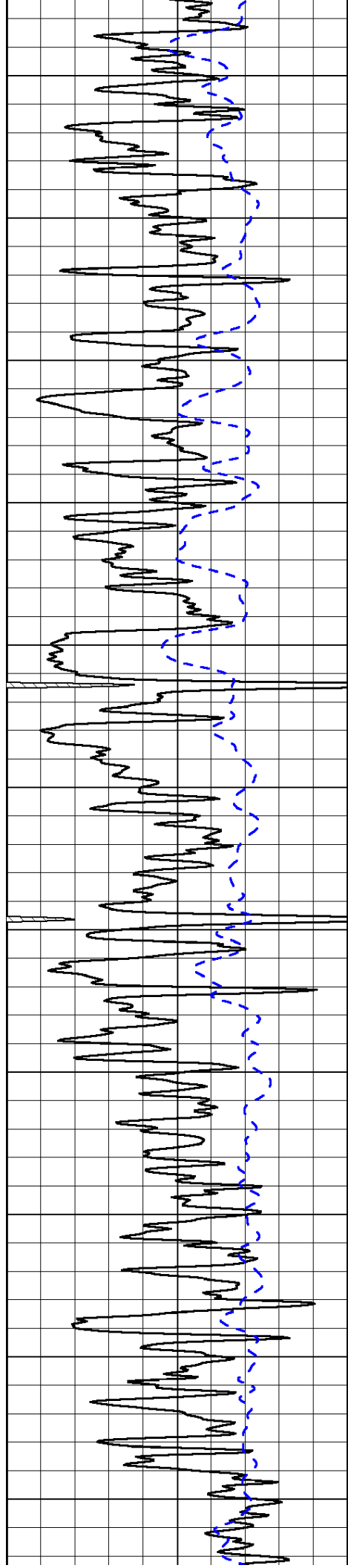
0	Gamma Ray	150
-200	SP (mV)	0

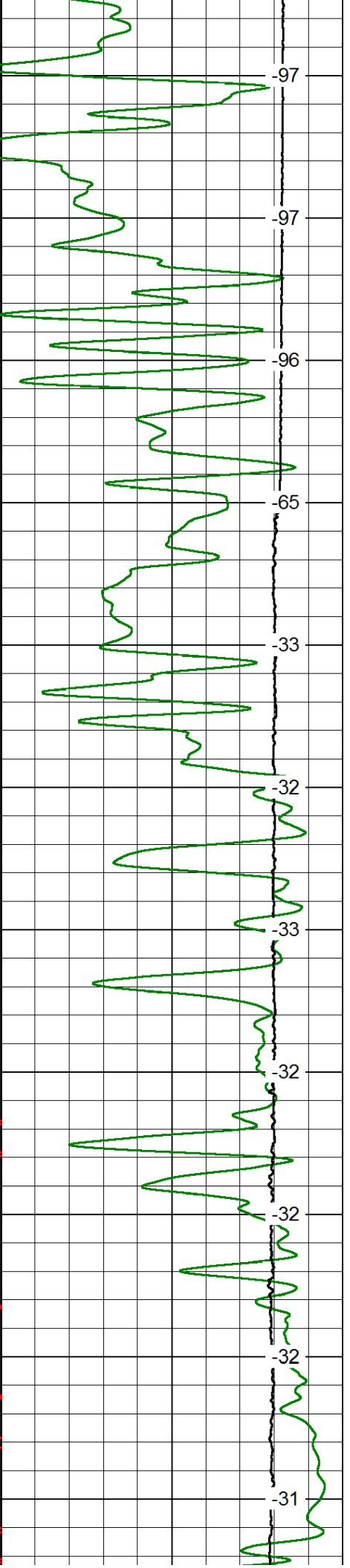
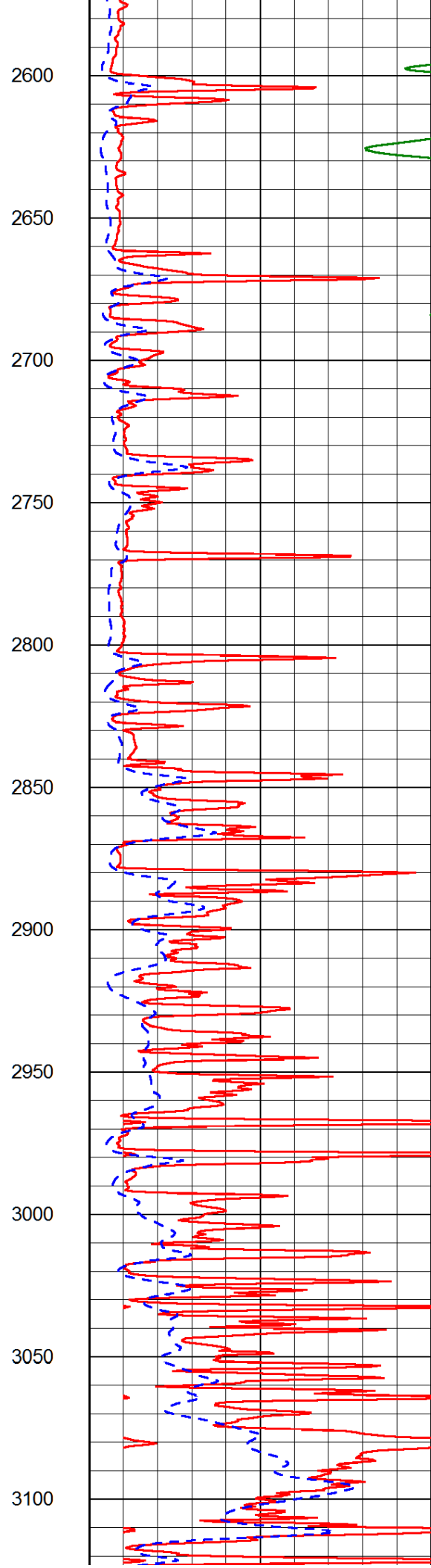
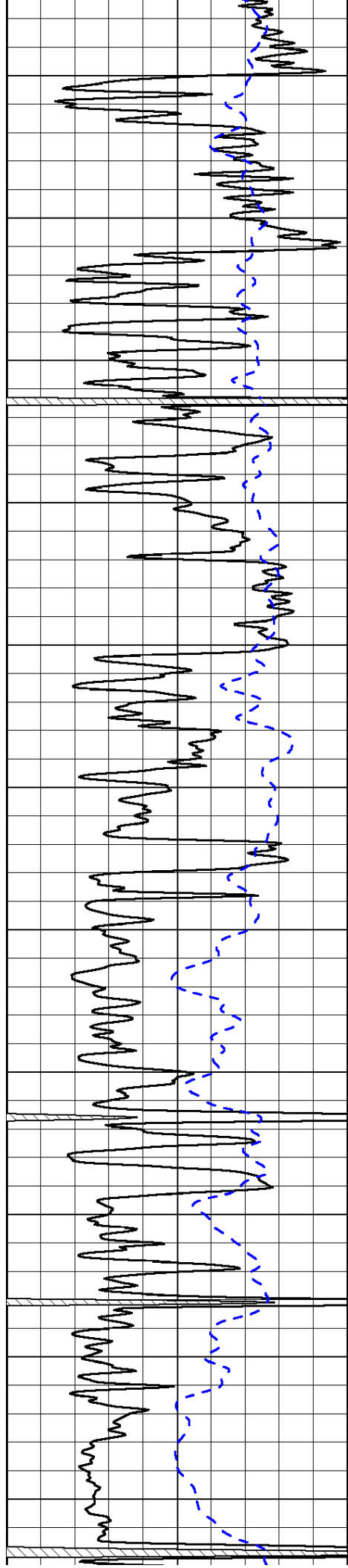
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

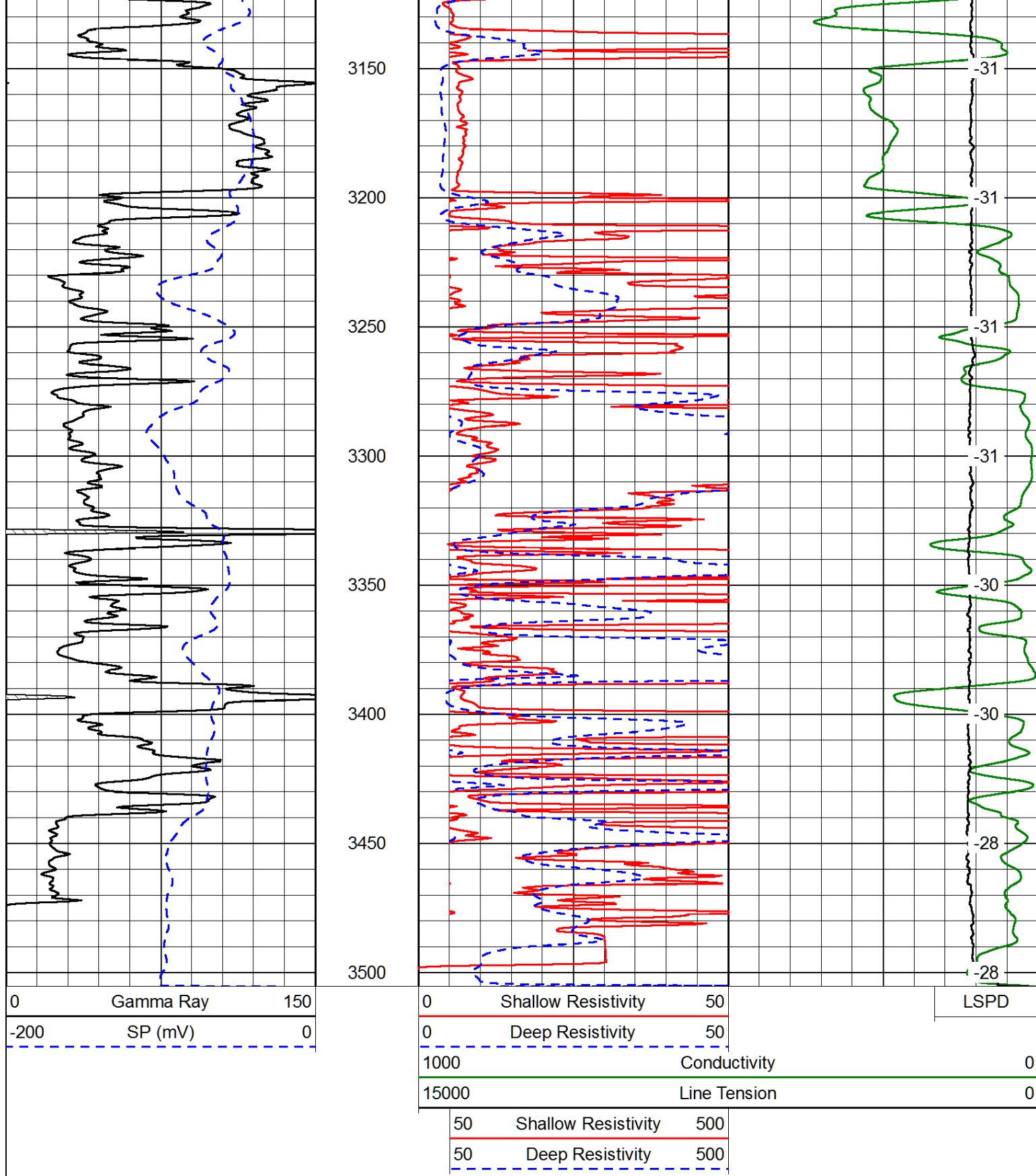
LSPD





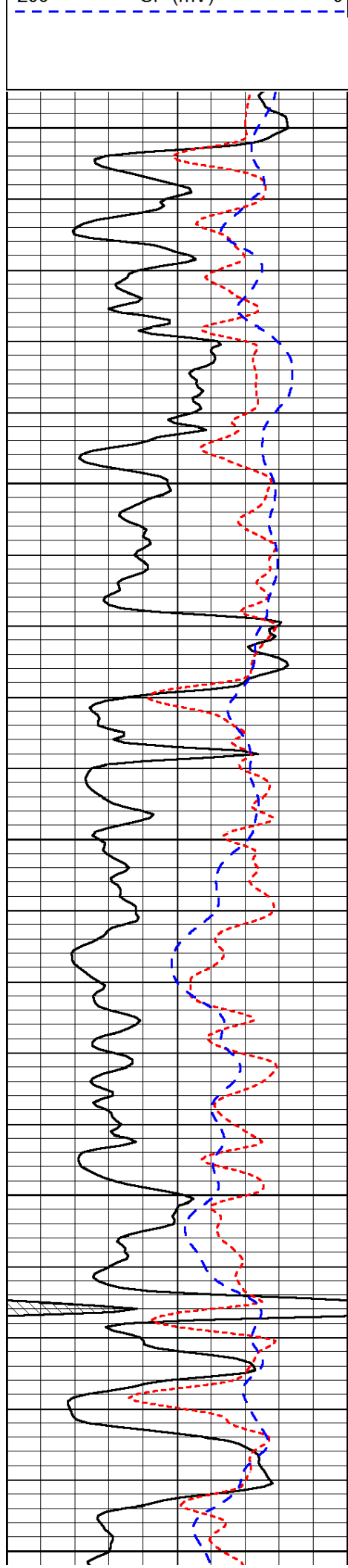






Database File: cg_jmr_3hd.db
 Dataset Pathname: dil/cgstkml
 Presentation Format: dil
 Dataset Creation: Fri Oct 24 18:03:45 2014
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-160	RxoRt	40	0.2	Medium Resistivity	2000
-200	SP (mV)	0	0.2	Shallow Resistivity	2000



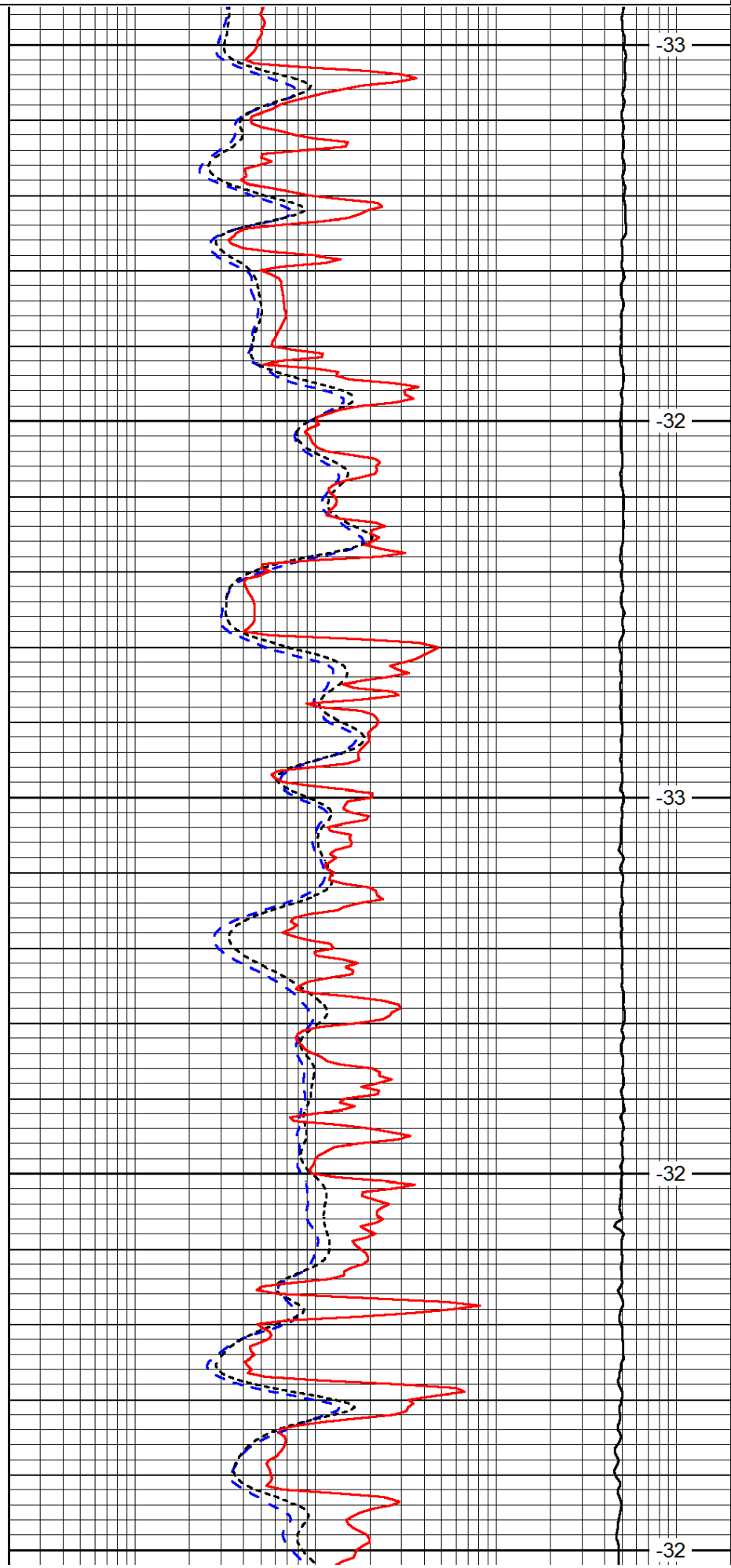
2800

2850

2900

2950

3000



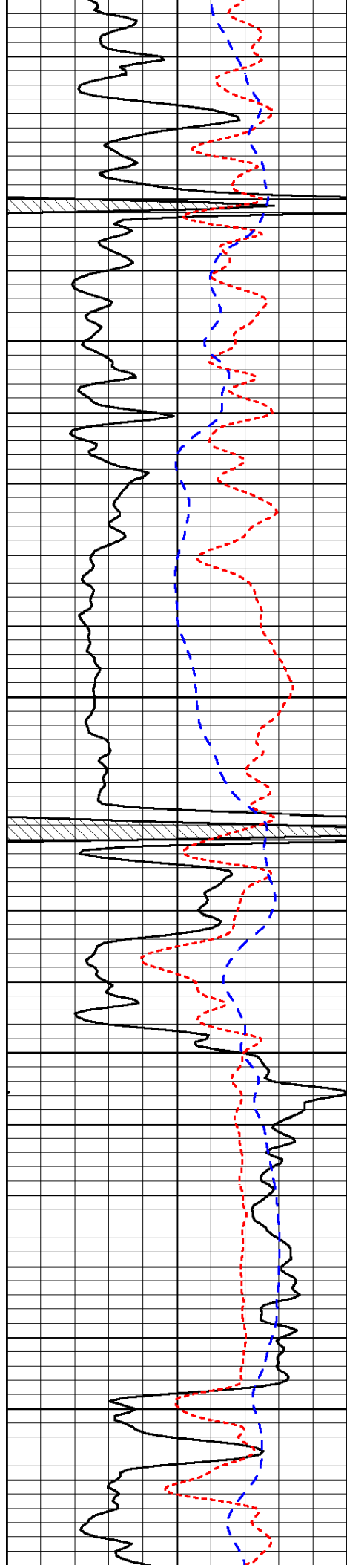
-33

-32

-33

-32

-32

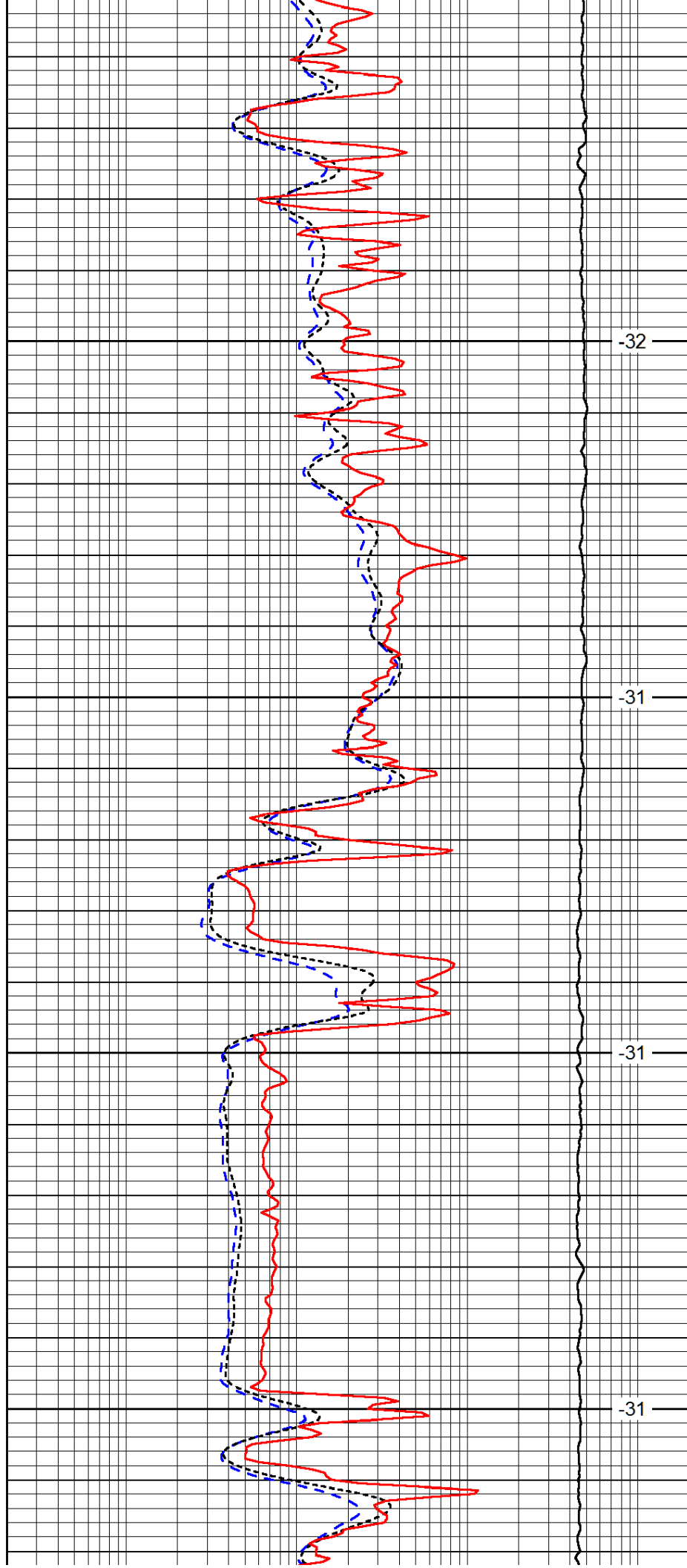


3050

3100

3150

3200

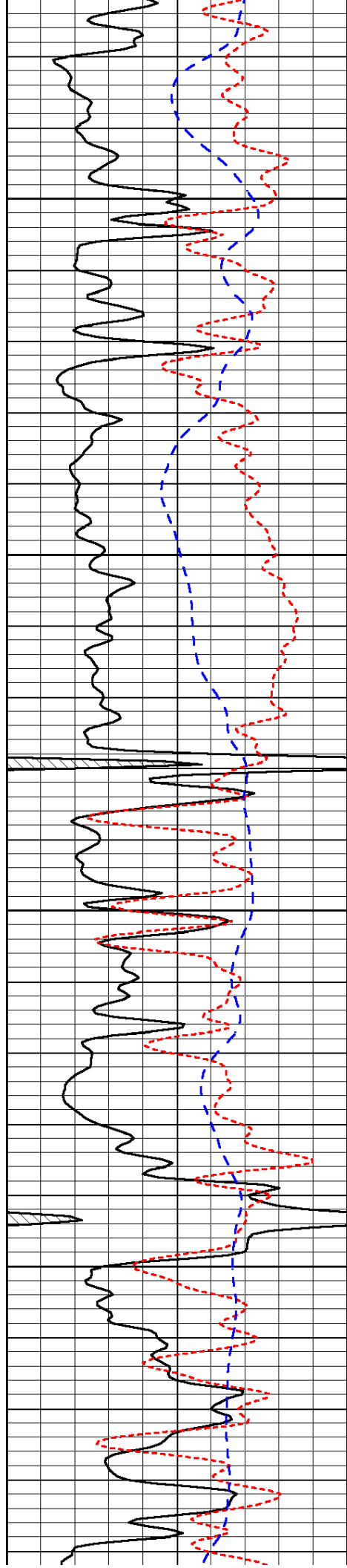


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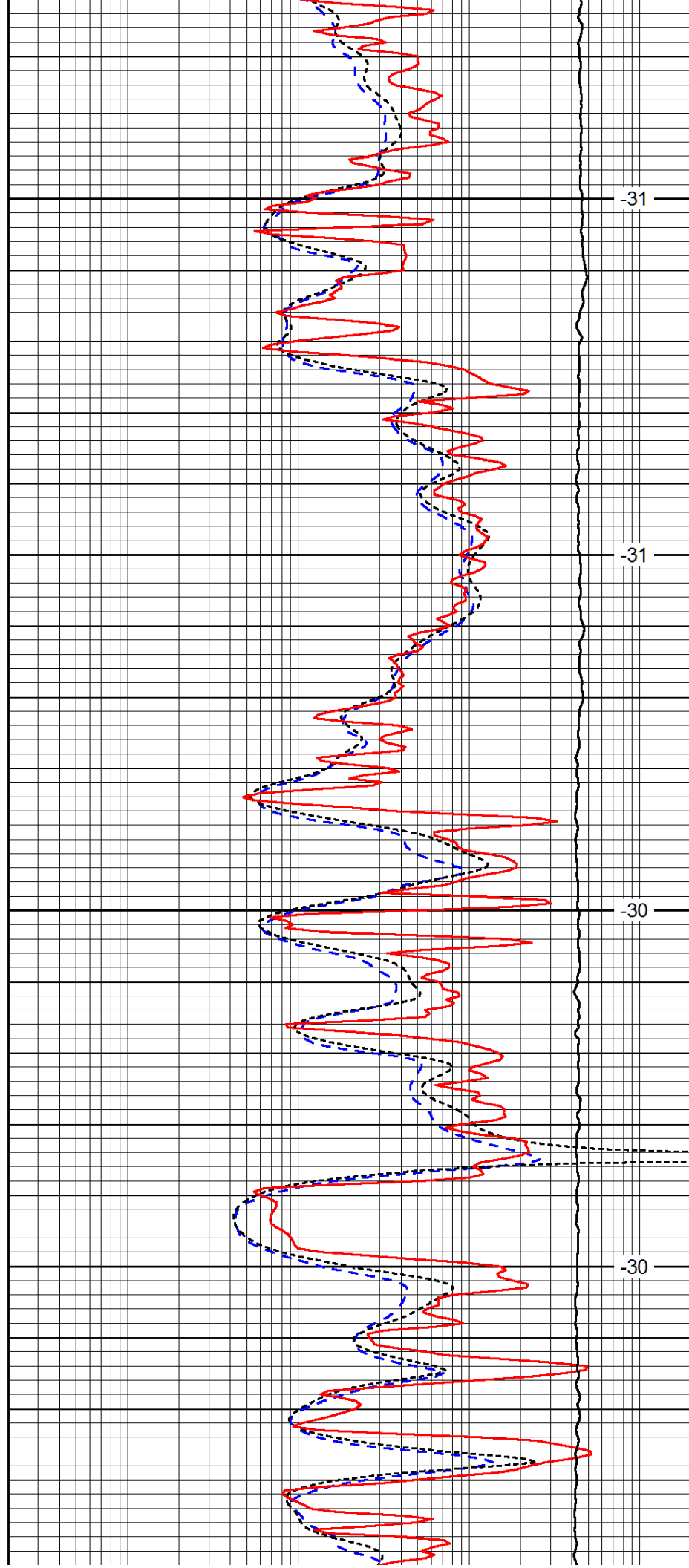


3250

3300

3350

3400

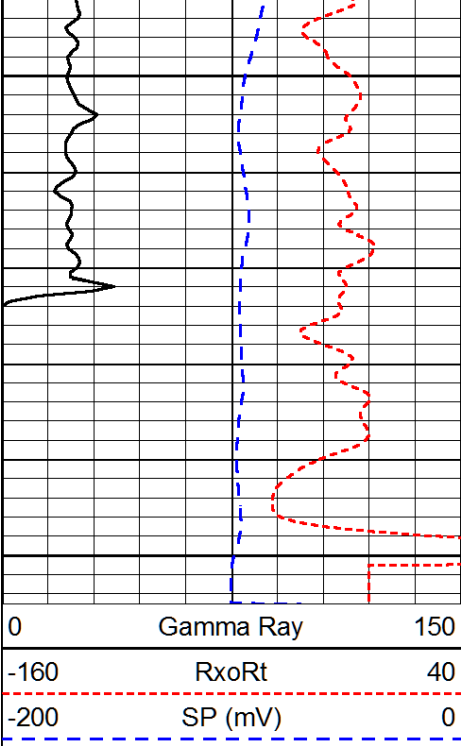


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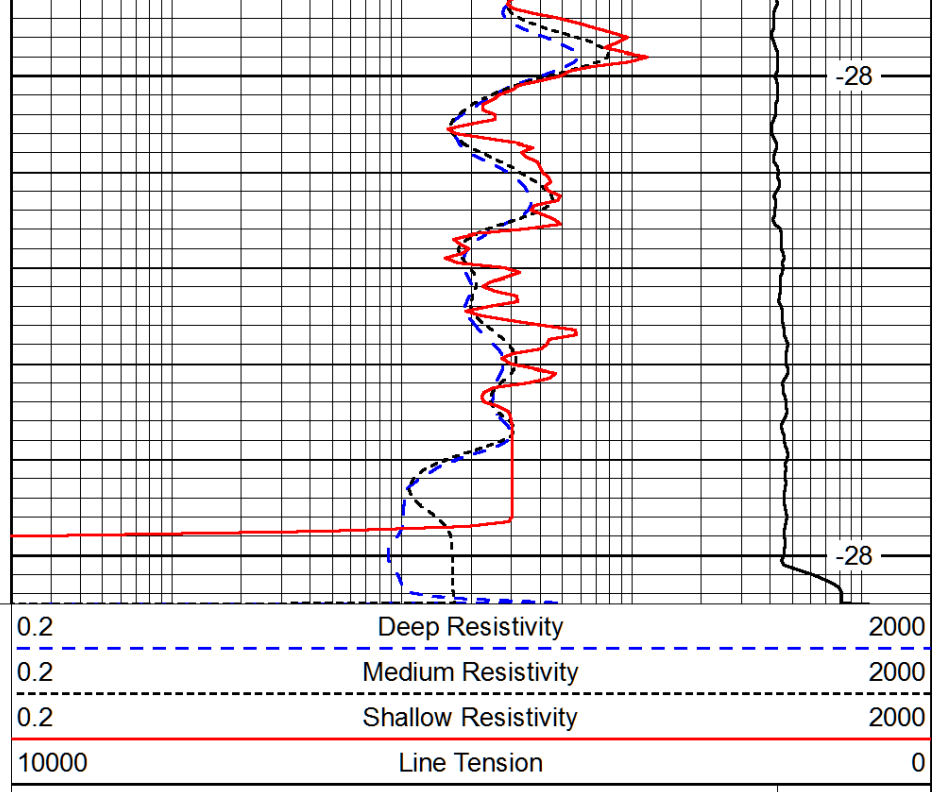
-30

-30



3450

3500



-28

-28

LSPD