



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-035-23,733-00-01

Company Alton Oil, LLC

Well Godfrey #1

Field Nauman Northeast

County Cowley State Kansas

Location SW-NW-NE-SW

2160' FSL & 3810' FEL

Sec: 16 Twp: 30S Rge: 5E

Permanent Datum Ground Level Elevation 1341
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
DIL
MEL
Elevation
K.B. 1349
D.F.
G.L. 1341

Date 11/15/2014

Run Number One

Type Log CNL / CDL

Depth Driller 3221

Depth Logger 3219

Bottom Logged Interval 3198

Top Logged Interval 1900

Type Fluid In Hole Chemical

Salinity, PPM CL 9,000

Density 8.7

Level Full

Max. Rec. Temp. F 108

Operating Rig Time 2 1/2 Hours

Equipment -- Location 91 Hays

Recorded By J. Henrickson

Witnessed By Mike Pressnall

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

1 12.25 00 217 8.625 24# 00 217

2 7.875 217 3221

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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

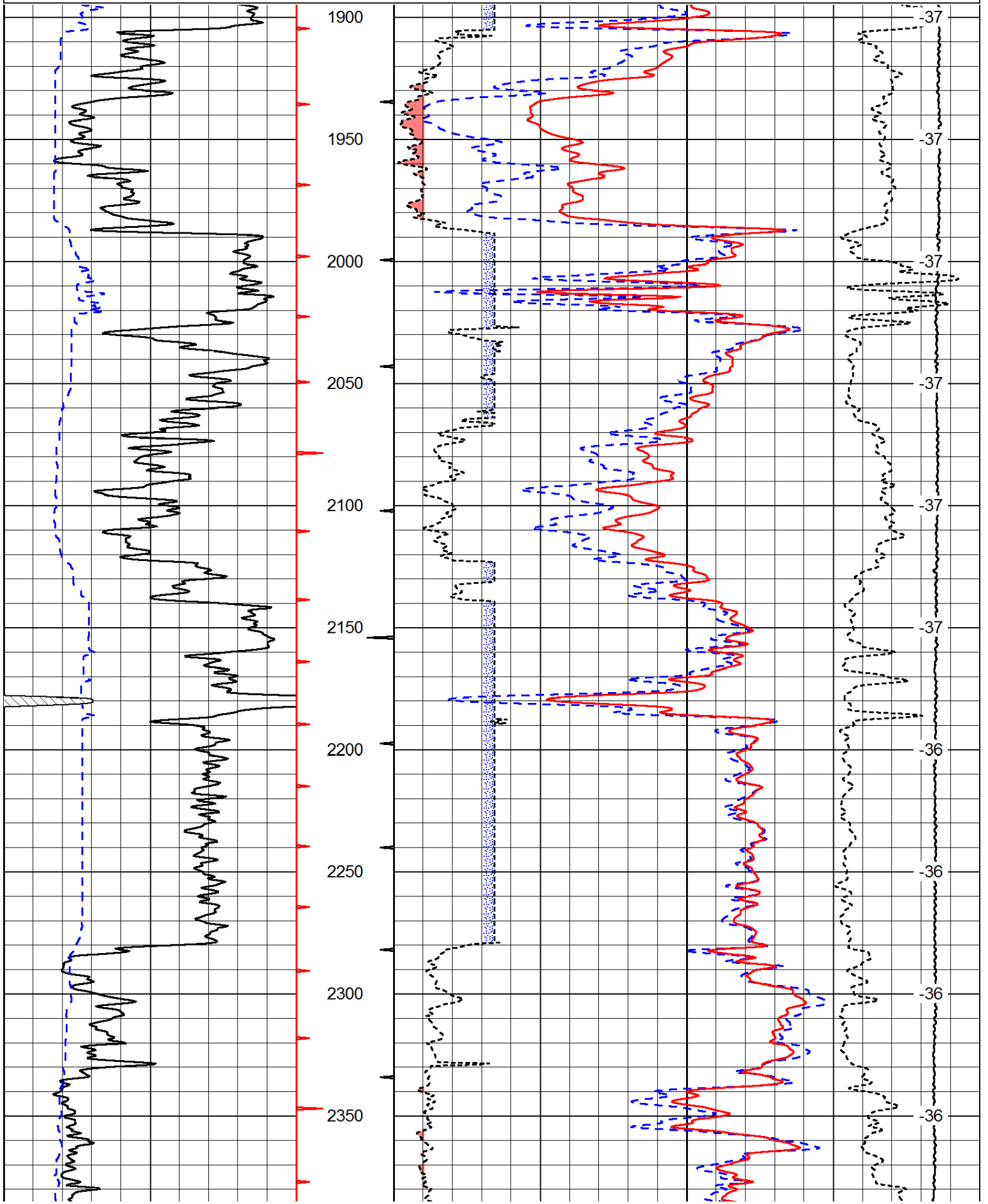
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

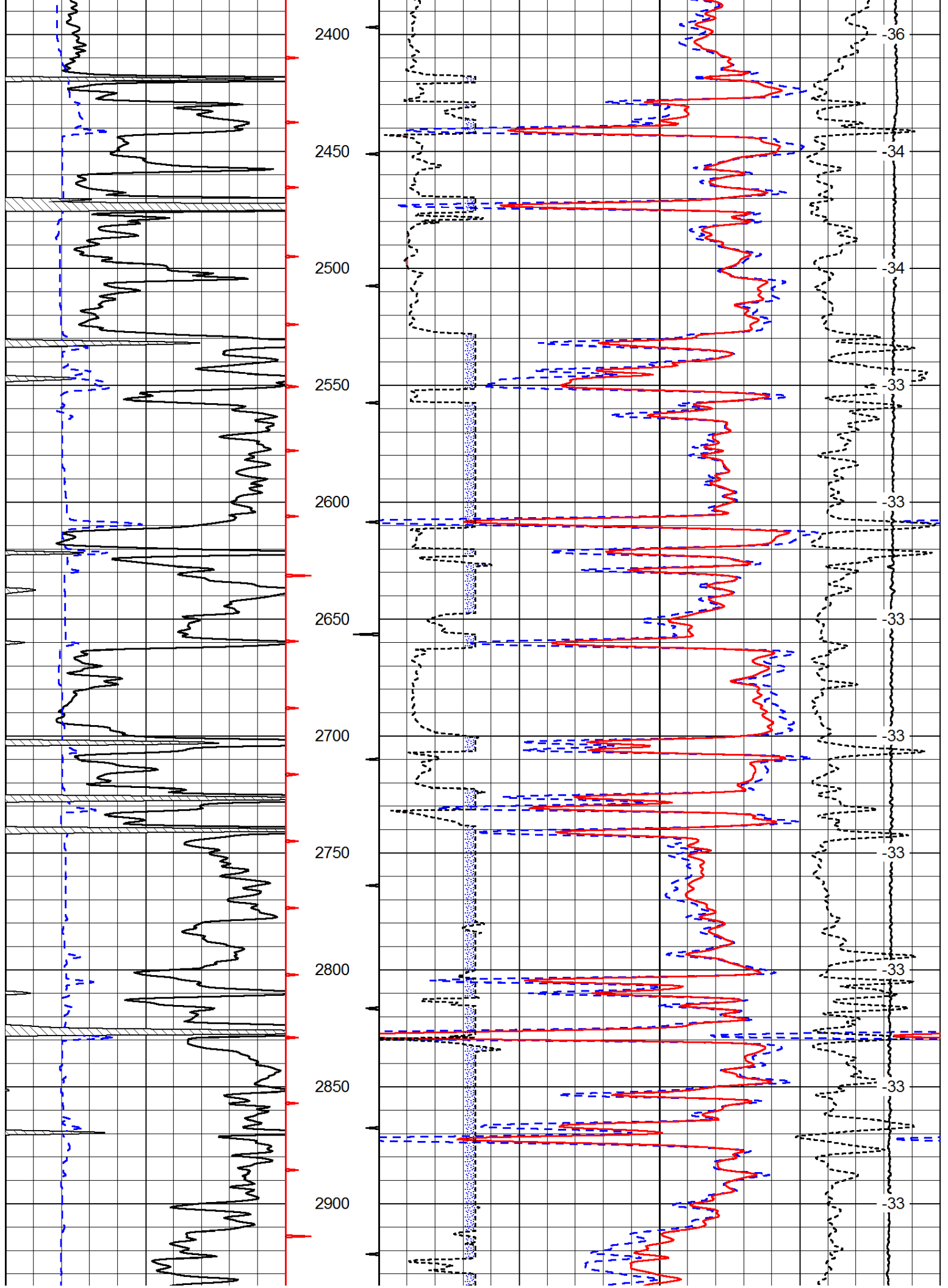
Rock Kansas
6 1/4 East on HWY 2, North Into

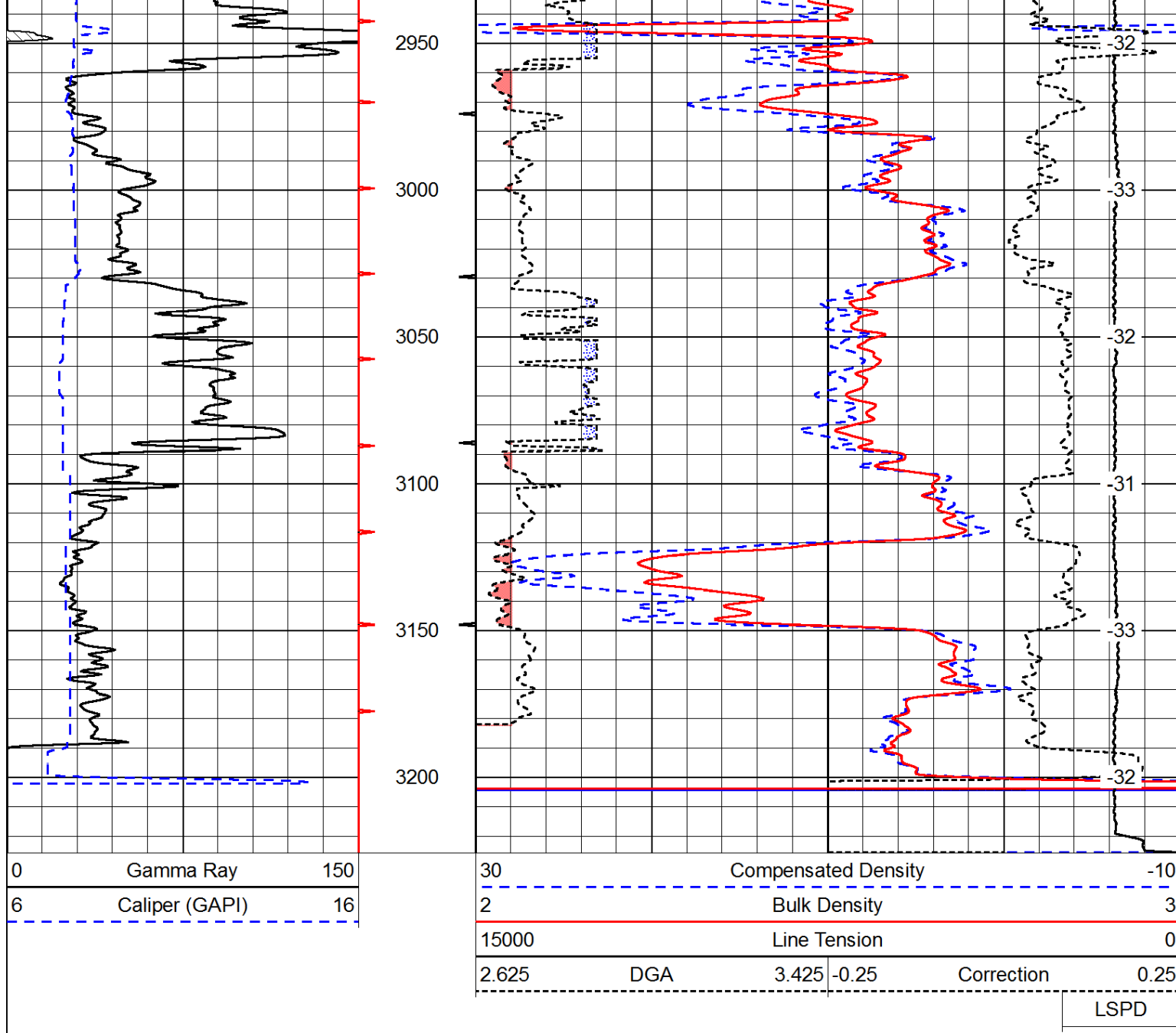
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Dataset Pathname: DIL/altonall
Presentation Format: cdl
Dataset Creation: Sat Nov 15 03:35:33 2014
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

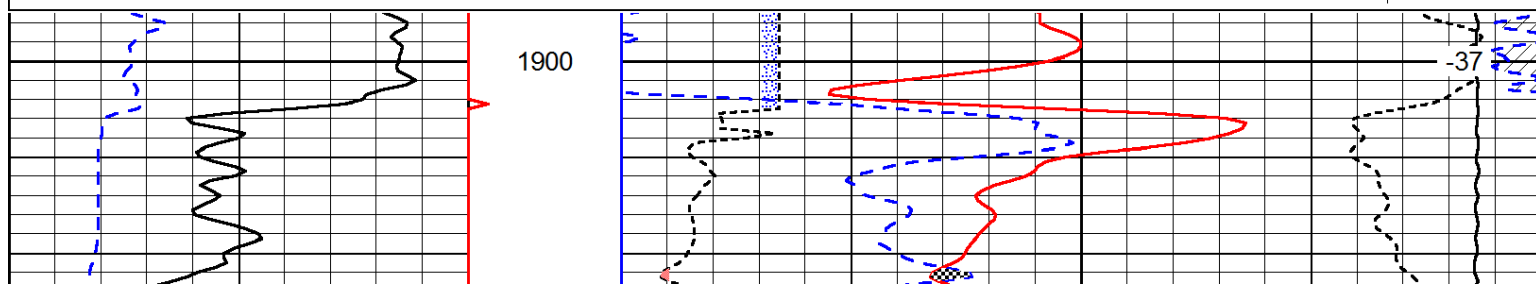
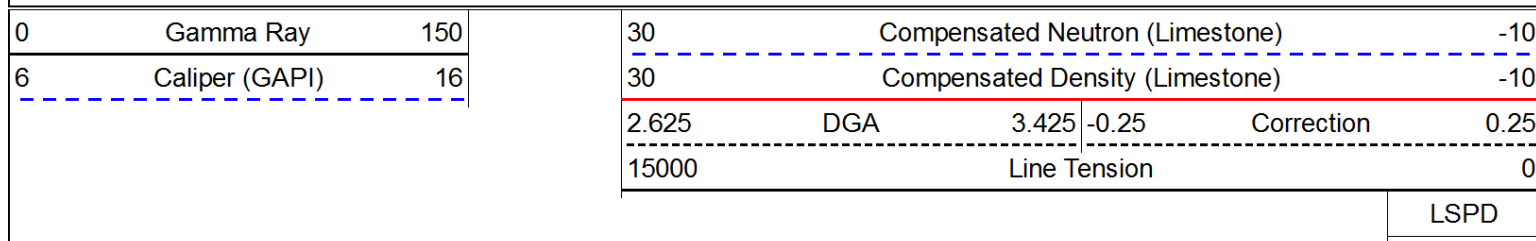
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

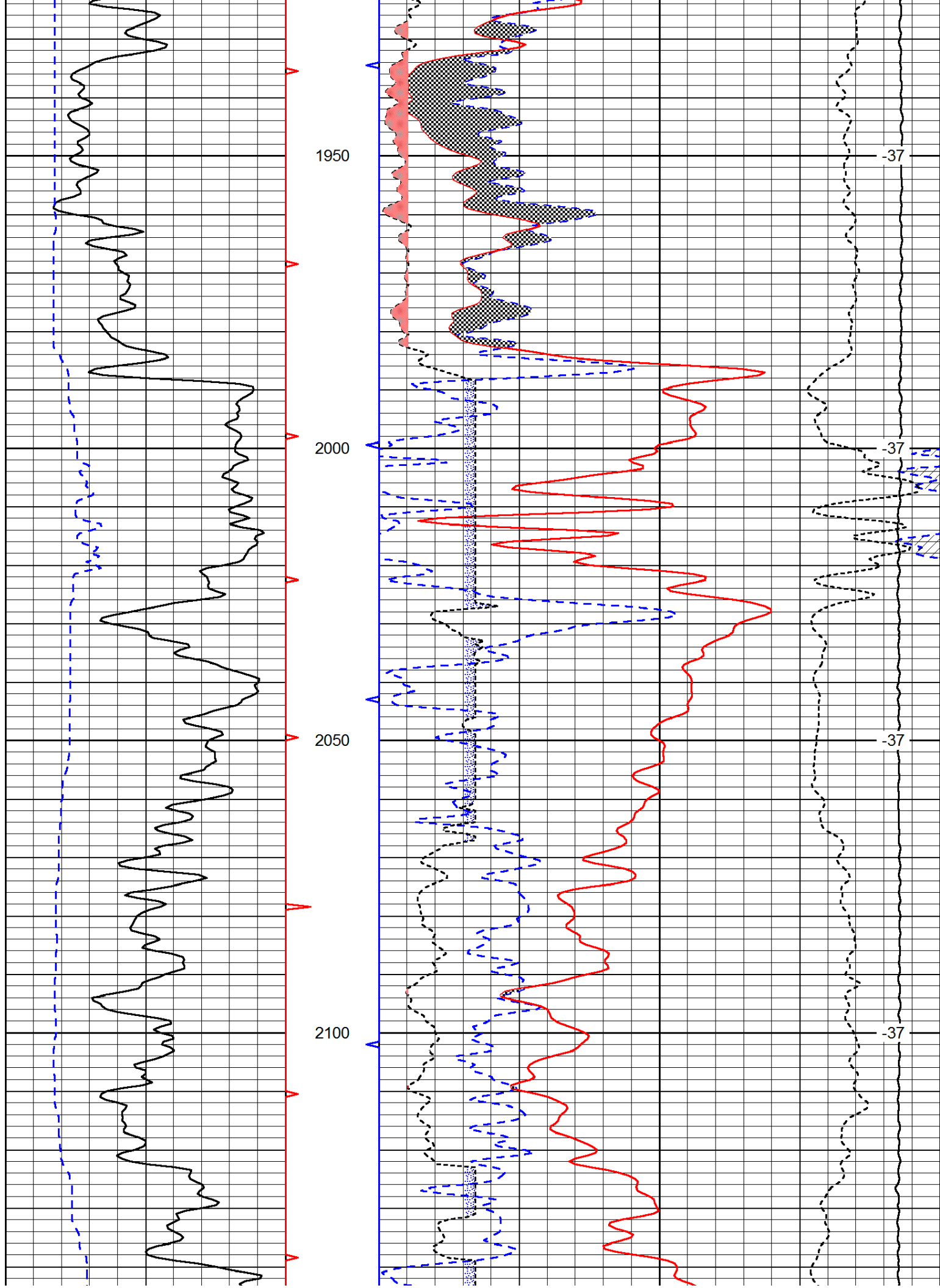


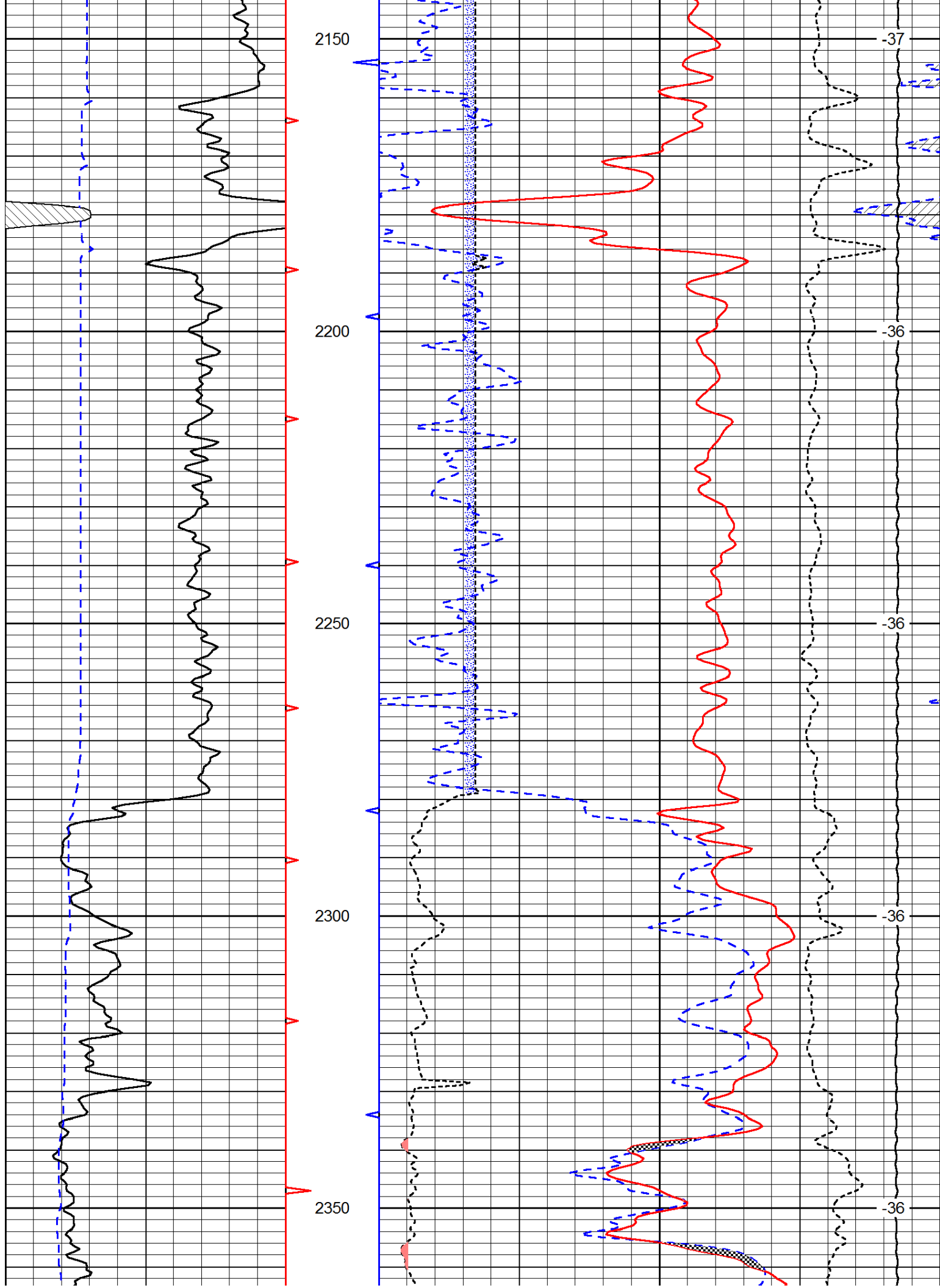


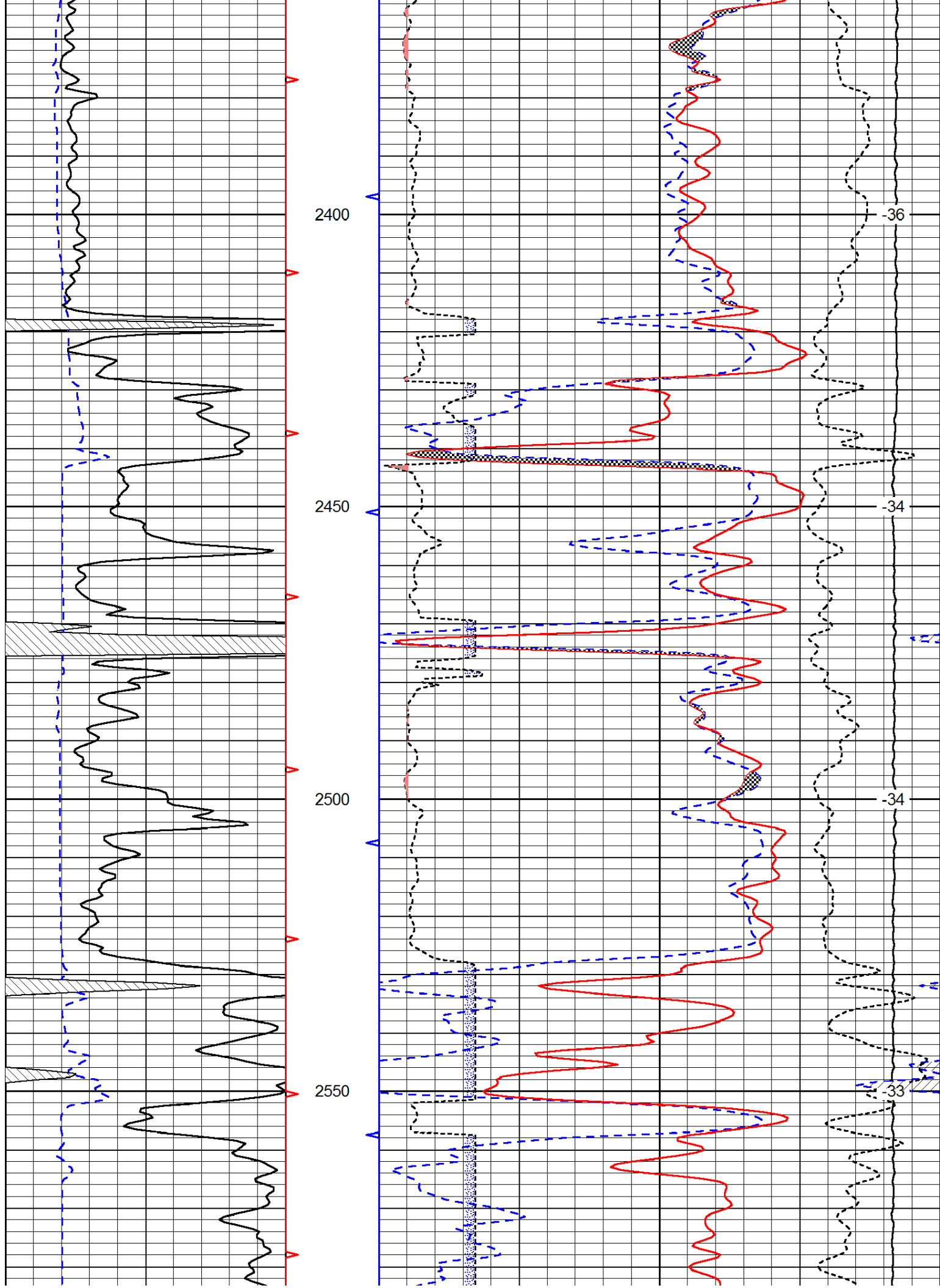


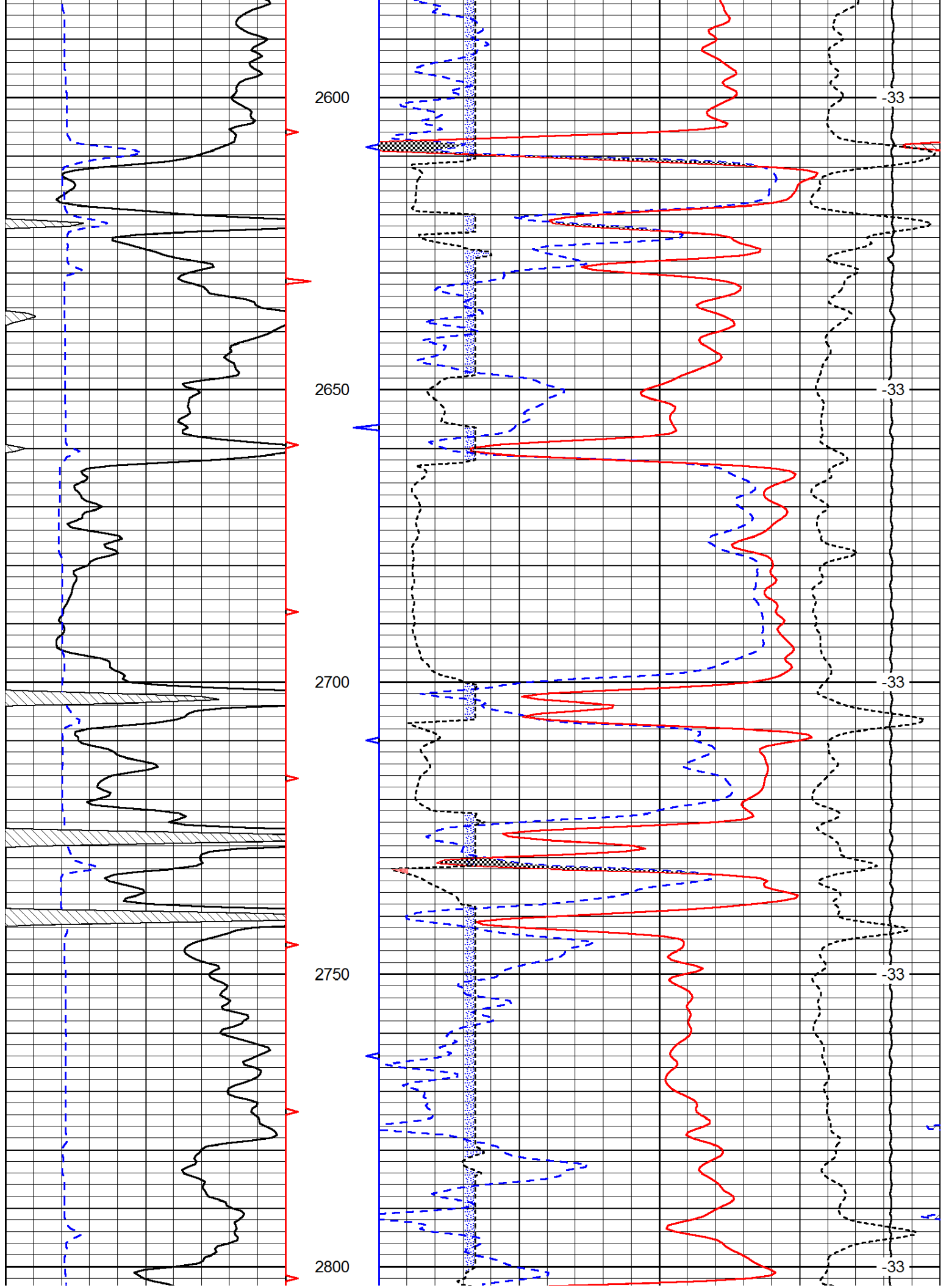
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 Dataset Creation: Sat Nov 15 03:35:33 2014
 Charted by: Depth in Feet scaled 1:240

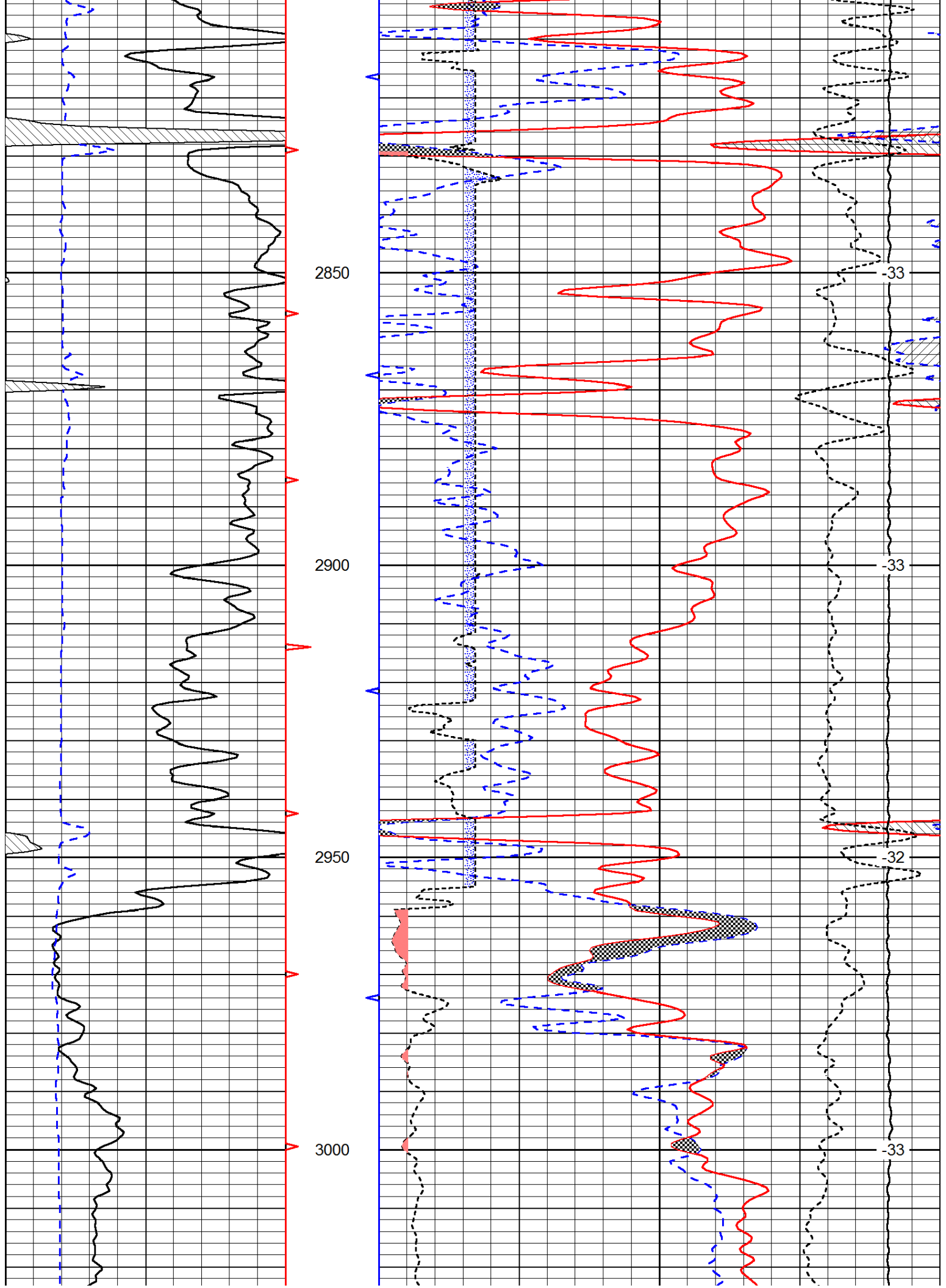


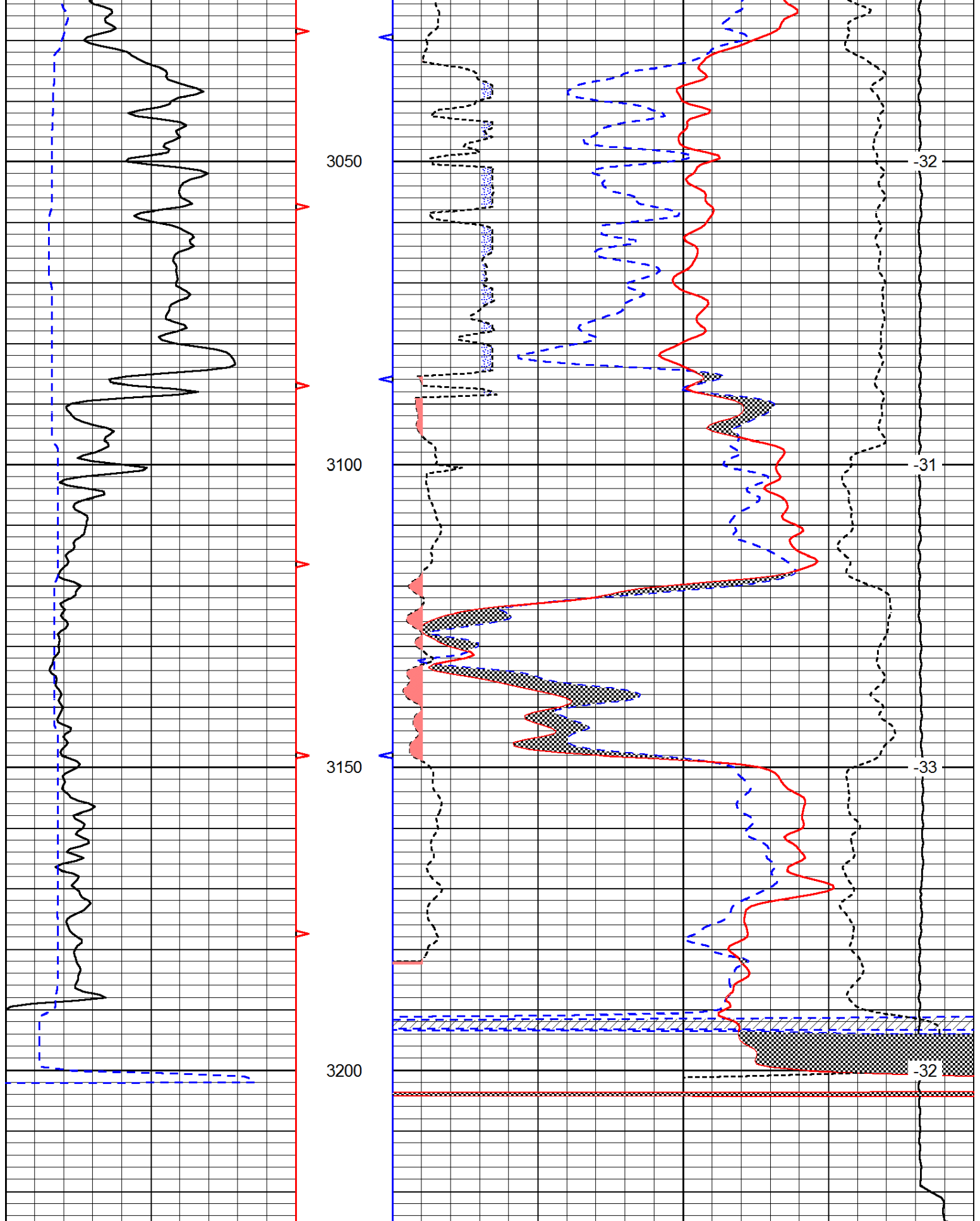












0	Gamma Ray	150	30	Compensated Neutron (Limestone)	-10
6	Caliper (GAPI)	16	30	Compensated Density (Limestone)	-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

