



Pioneer Energy Services

Dual Compensated Porosity Log

15-101-22512-00-00

API No.

Company **Larson Engineering, Inc.**
 Well **Hineman Ranch #1-31**
 Field **Wildcat**
 County **Lane** State **Kansas**

Location

330' FSL & 2,310' FEL

Sec: 31

Twp: 18S

Rge: 28W

Other Services
 DIL
 MEL

Permanent Datum Ground Level Elevation 2739
 Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

K.B. 2746
 D.F.
 G.L. 2739

Date 5/29/2014

Run Number One

Type Log CNL / CDL

Depth Driller 4648

Depth Logger 4646

Bottom Logged Interval 4625

Top Logged Interval 3600

Type Fluid In Hole Chemical

Salinity, PPM CL 2400

Density 9.1

Level Full

Max. Rec. Temp. F 122

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Vern Schrag

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	262	8.625	24#	00	262
2	7.875	262	4648				

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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

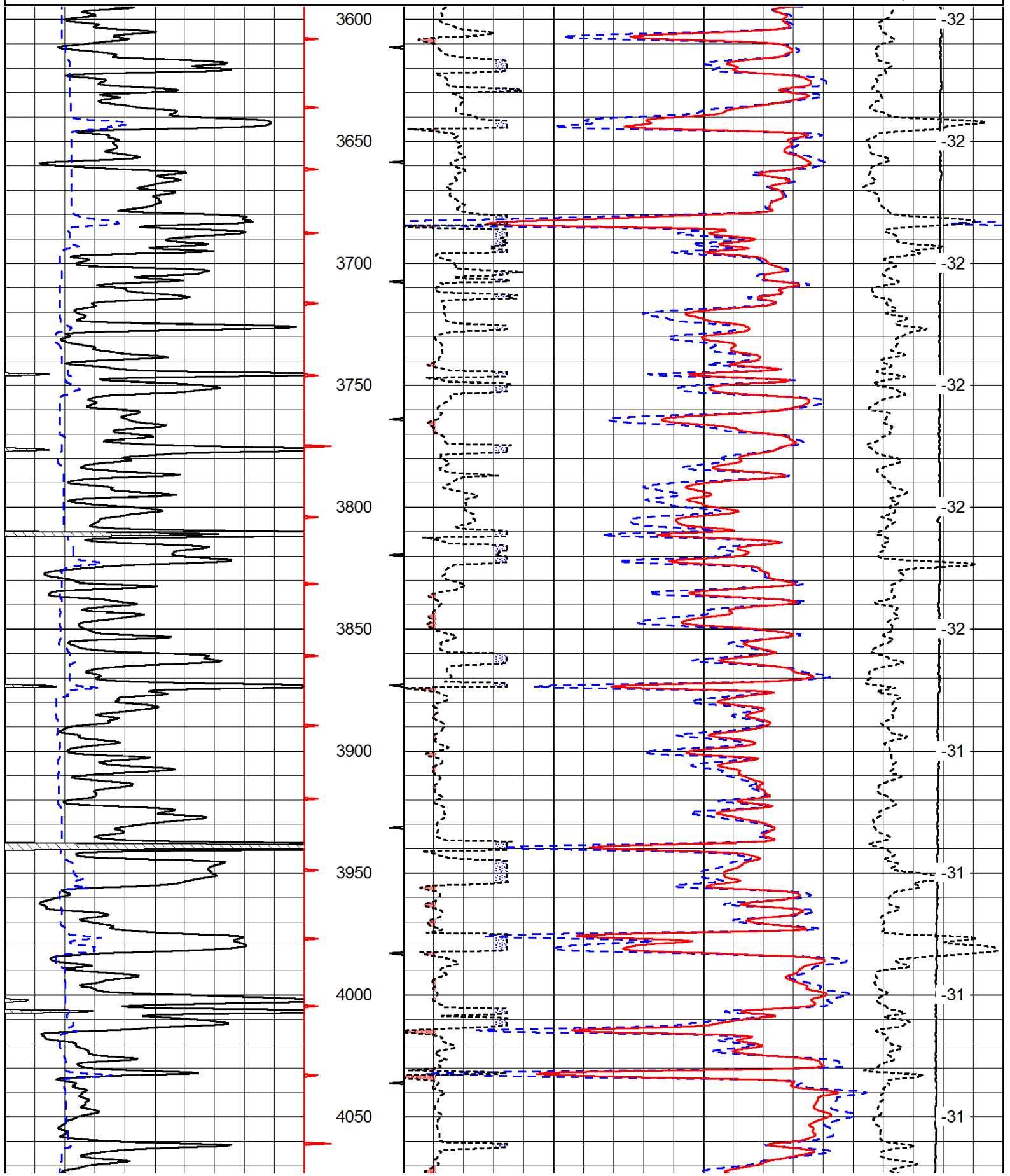
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

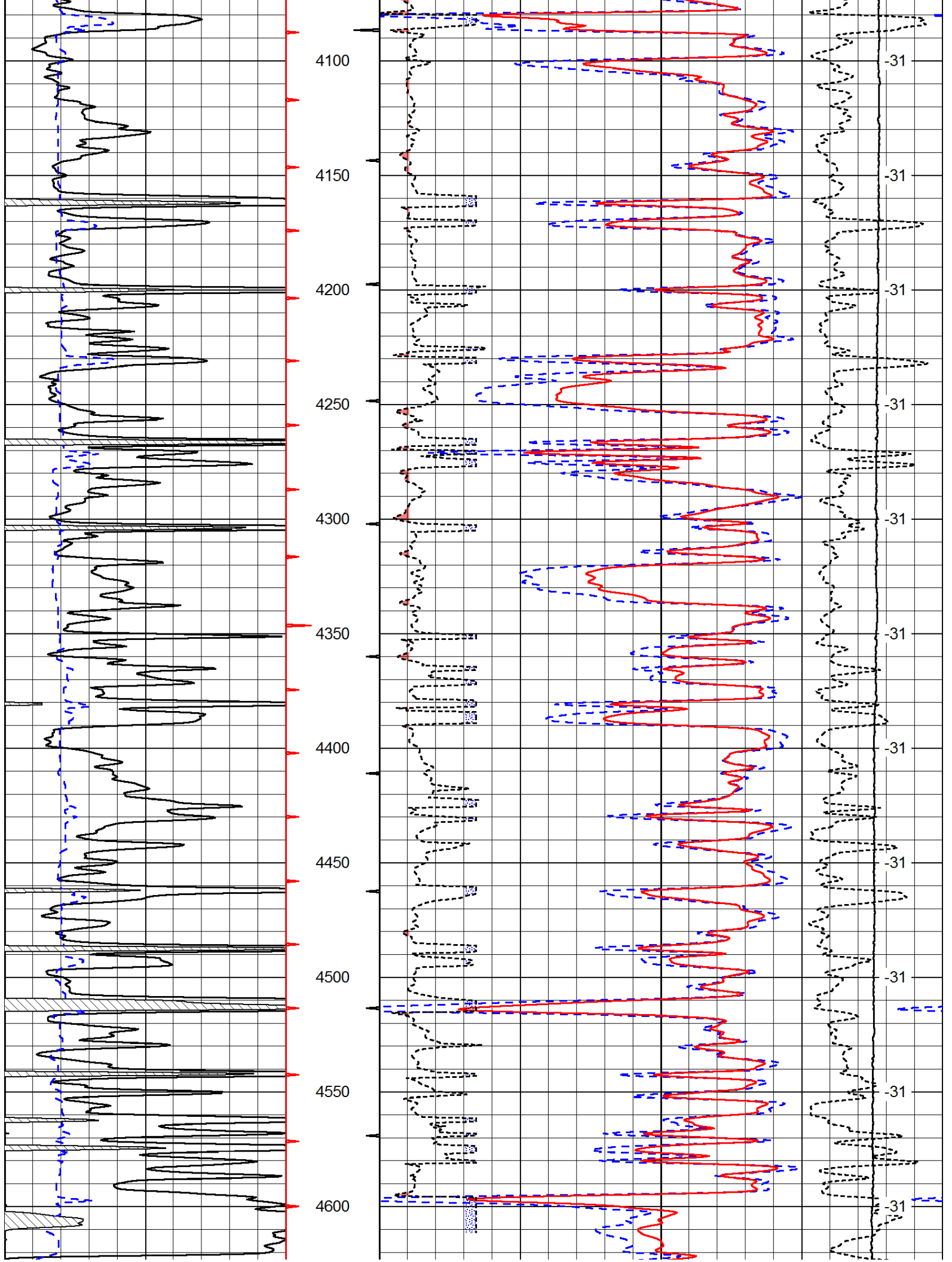
Dighton Ks, 3 South to 120 Rd, 1/2 East, North Into

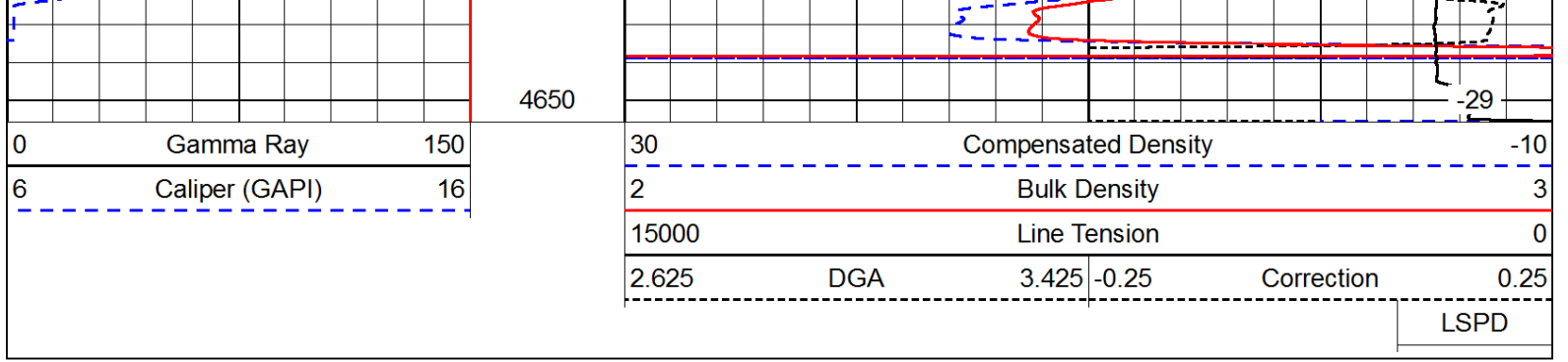
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 Dataset Pathname: DIL/larsstck
 Presentation Format: cdl
 Dataset Creation: Thu May 29 14:13:17 2014
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

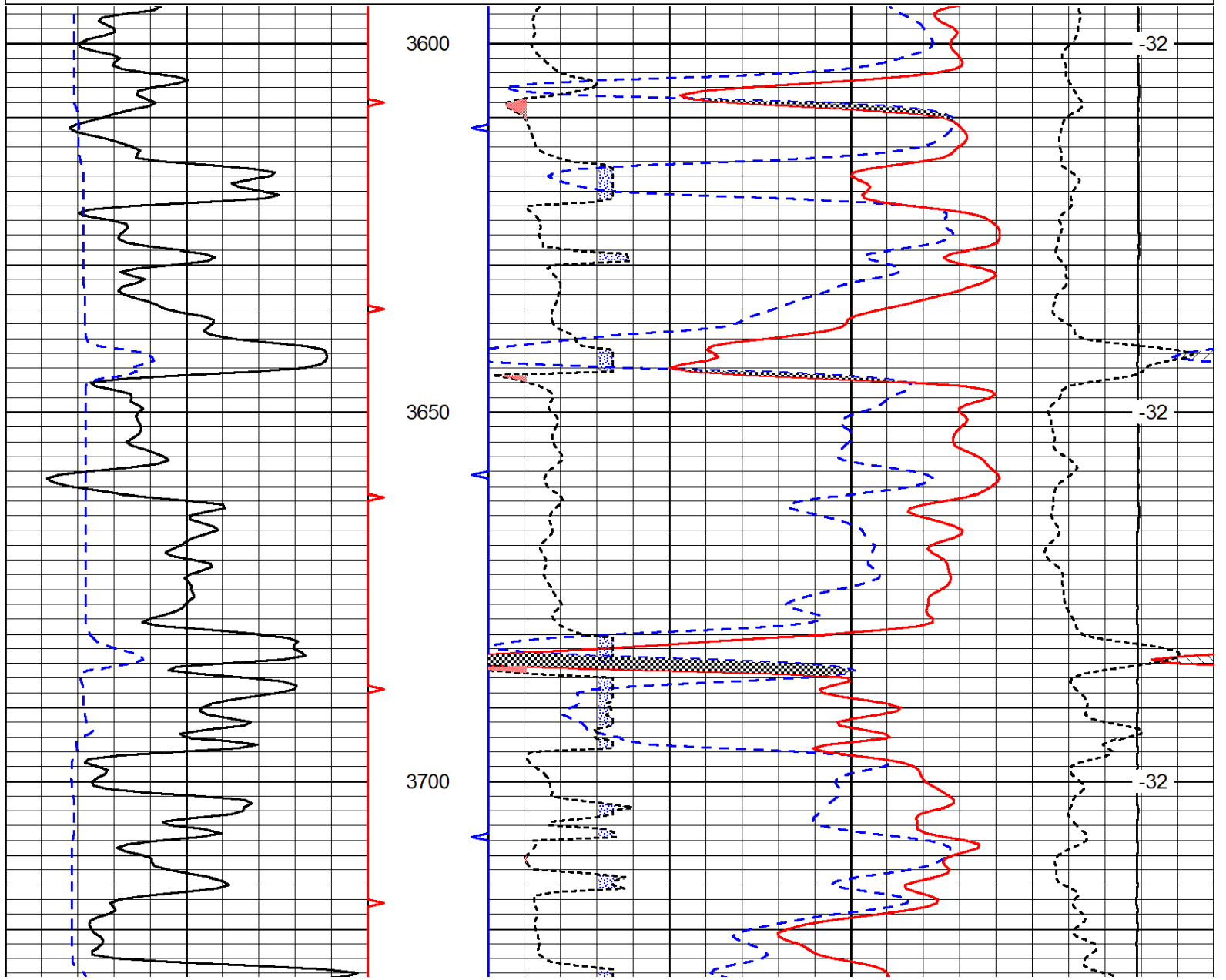
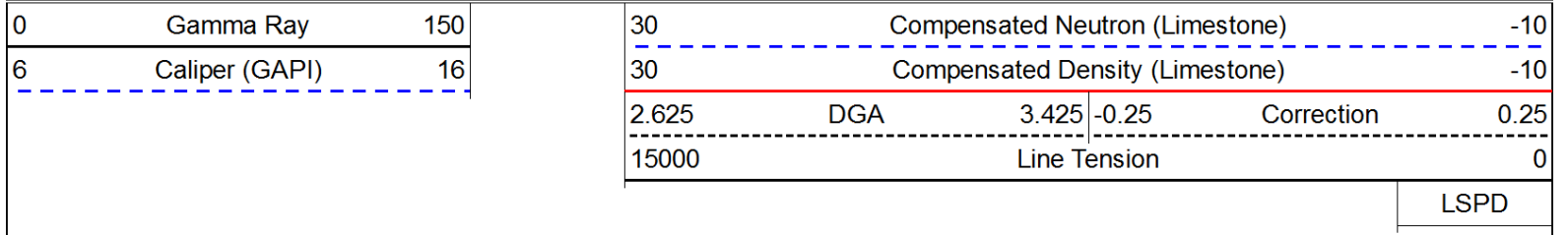
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

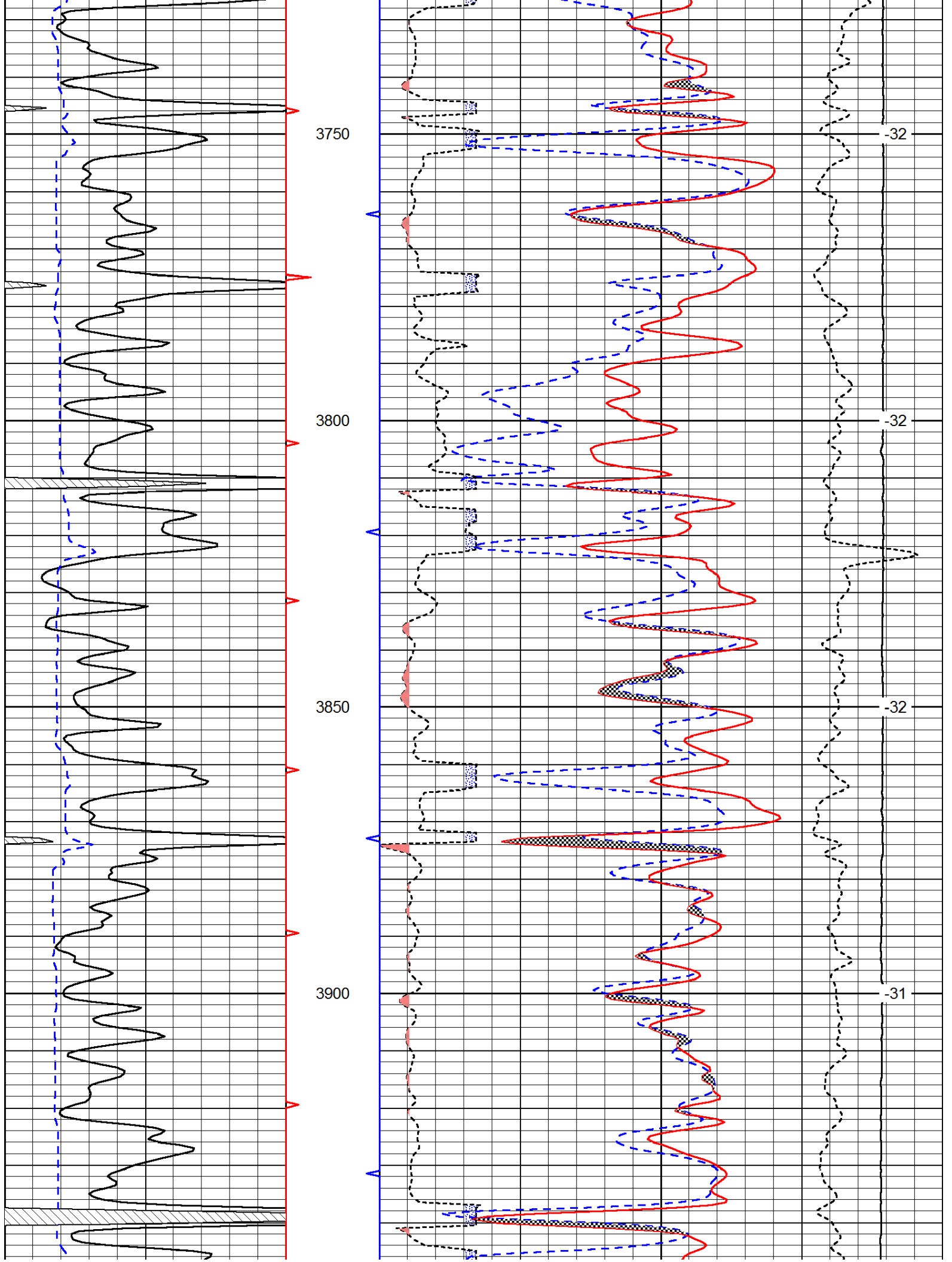


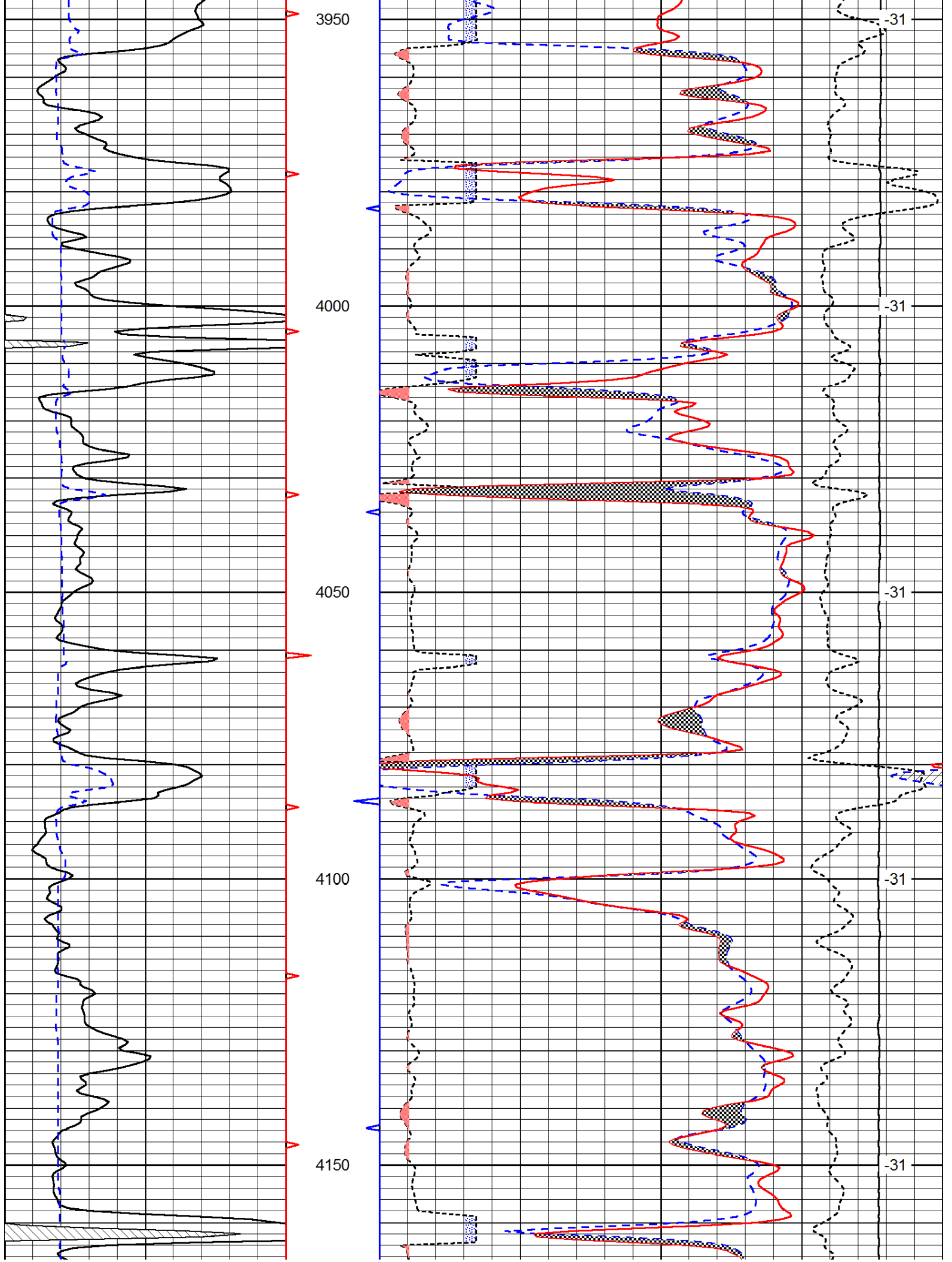


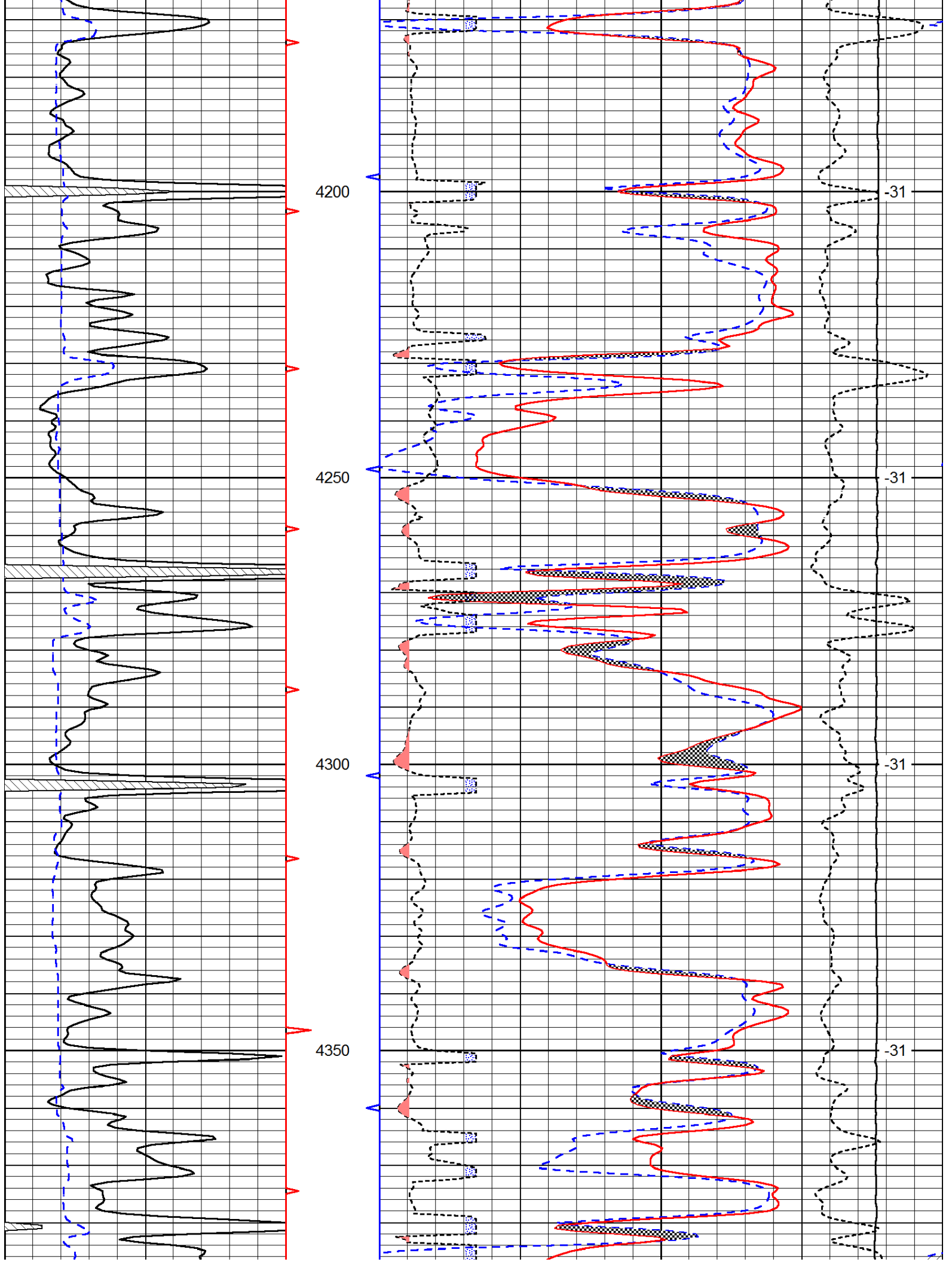


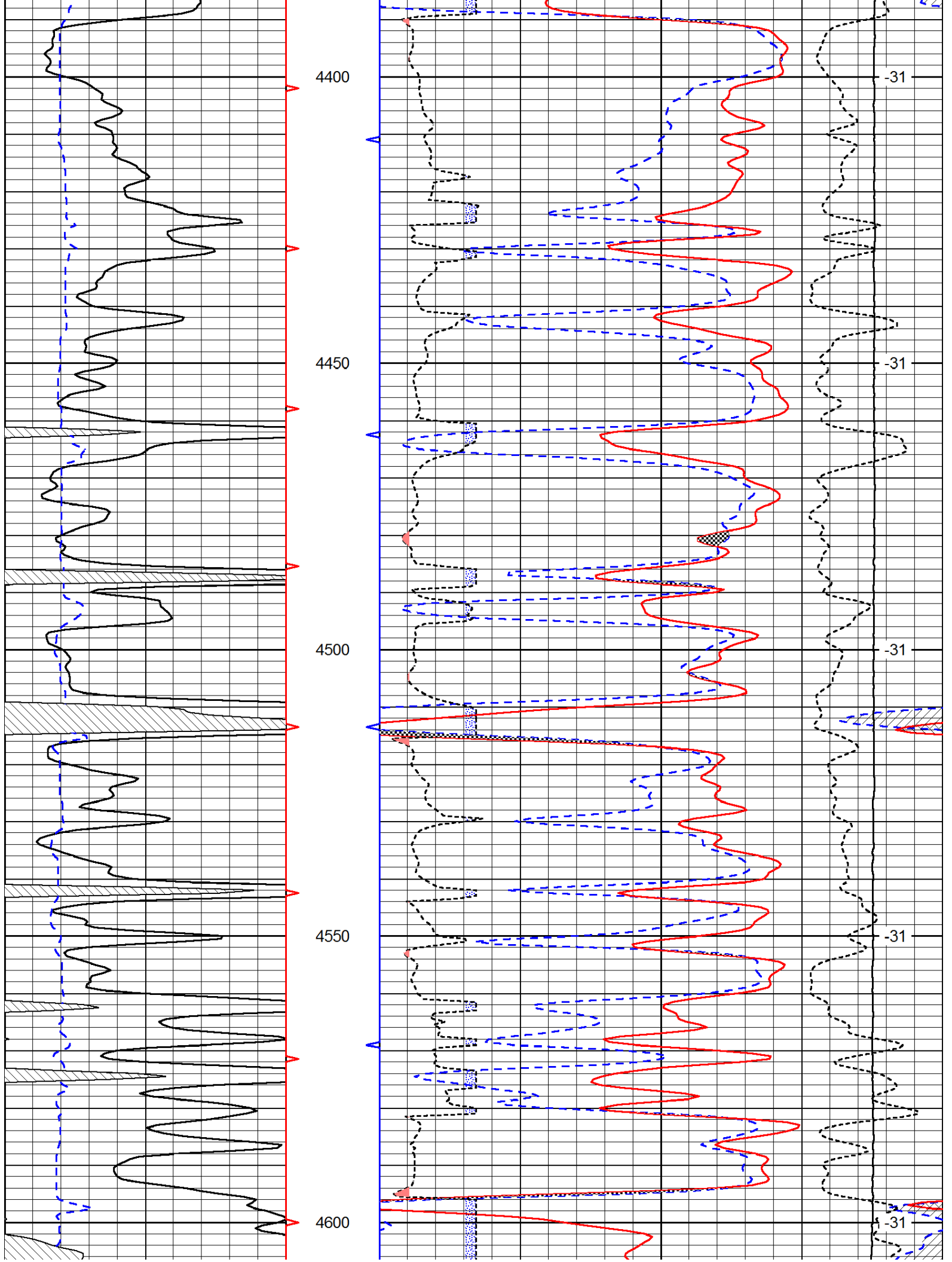
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 Charted by: Depth in Feet scaled 1:240

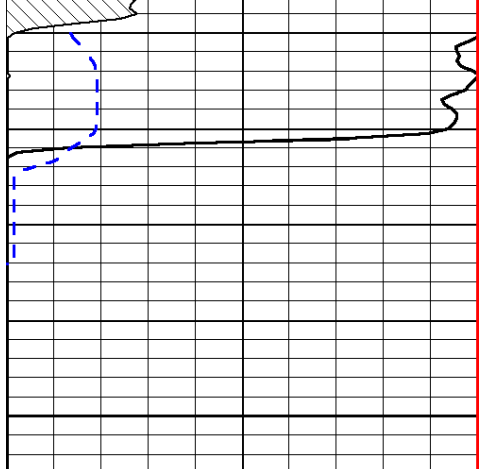




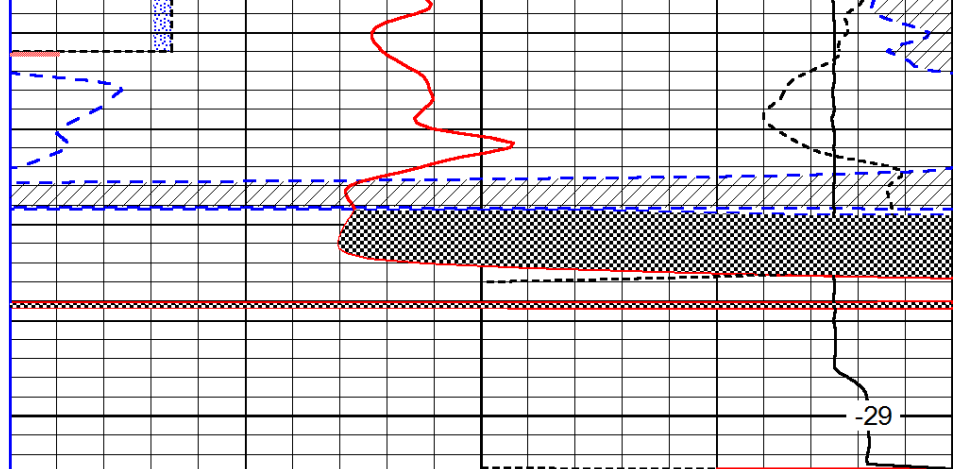








4650



-29

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