



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-101-22,554-00-00

Company **Larson Engineering, Inc.**
Well **Paris-Hineman #2-7**
Field **Wildcat**
County **Lane** State **Kansas**

Location

128' FNL & 2010' FWL

Sec: 7

Twp: 19S

Rge: 28W

Other Services
DIL
MEL
Elevation

Permanent Datum Ground Level Elevation 2782
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2791
D.F.
G.L. 2782

Date

1/11/2015

Run Number

One

Type Log

CNL / CDL

Depth Driller

4455

Depth Logger

4455

Bottom Logged Interval

4434

Top Logged Interval

3600

Type Fluid In Hole

Chemical

Salinity, PPM CL

3,100

Density

9.3

Level

Full

Max. Rec. Temp. F

121

Operating Rig Time

4 Hours

Equipment -- Location

51 Hays

Recorded By

C. Desaire

Witnessed By

Vern Schrag

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

24#

From

To

1

12.25

00

256

8.625

24#

00

256

2

7.875

256

4455

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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

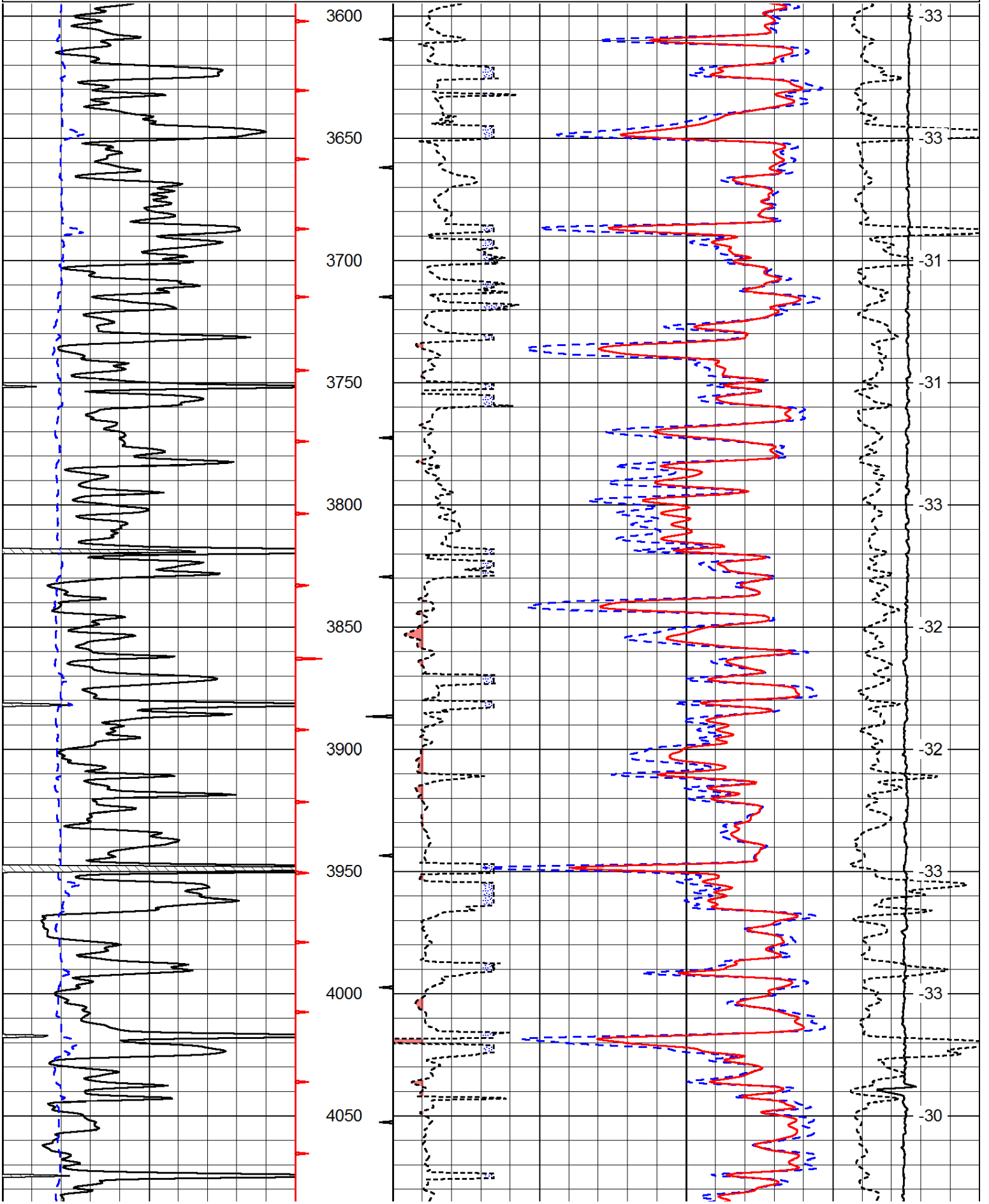
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

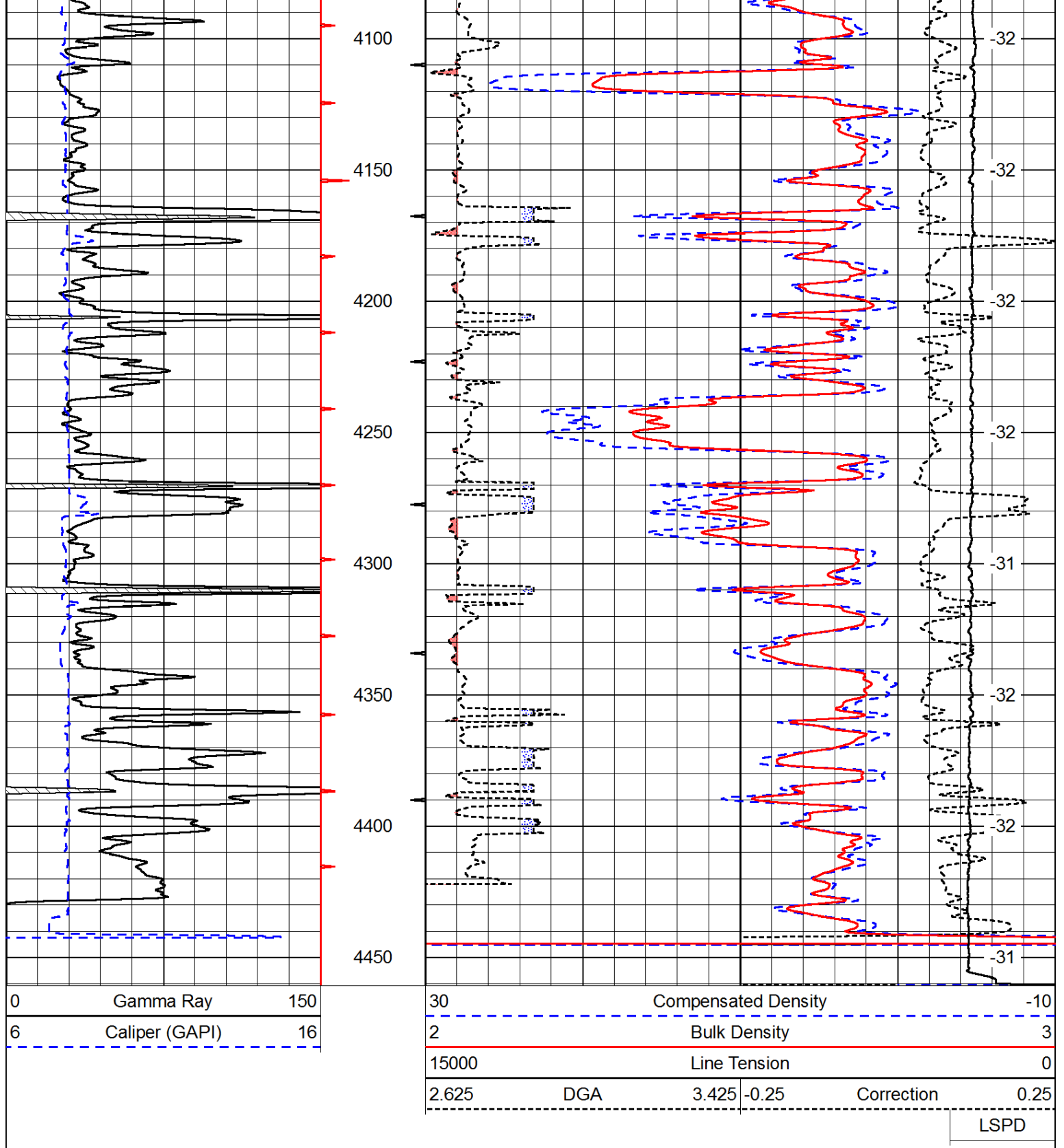
Dighton KS,
4 S, E Into

Database File: c:\warrior\data\larson_paris-hineman #2-7\larhd.db
Dataset Pathname: dil\larstk
Presentation Format: cdl
Dataset Creation: Sun Jan 11 01:43:35 2015
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

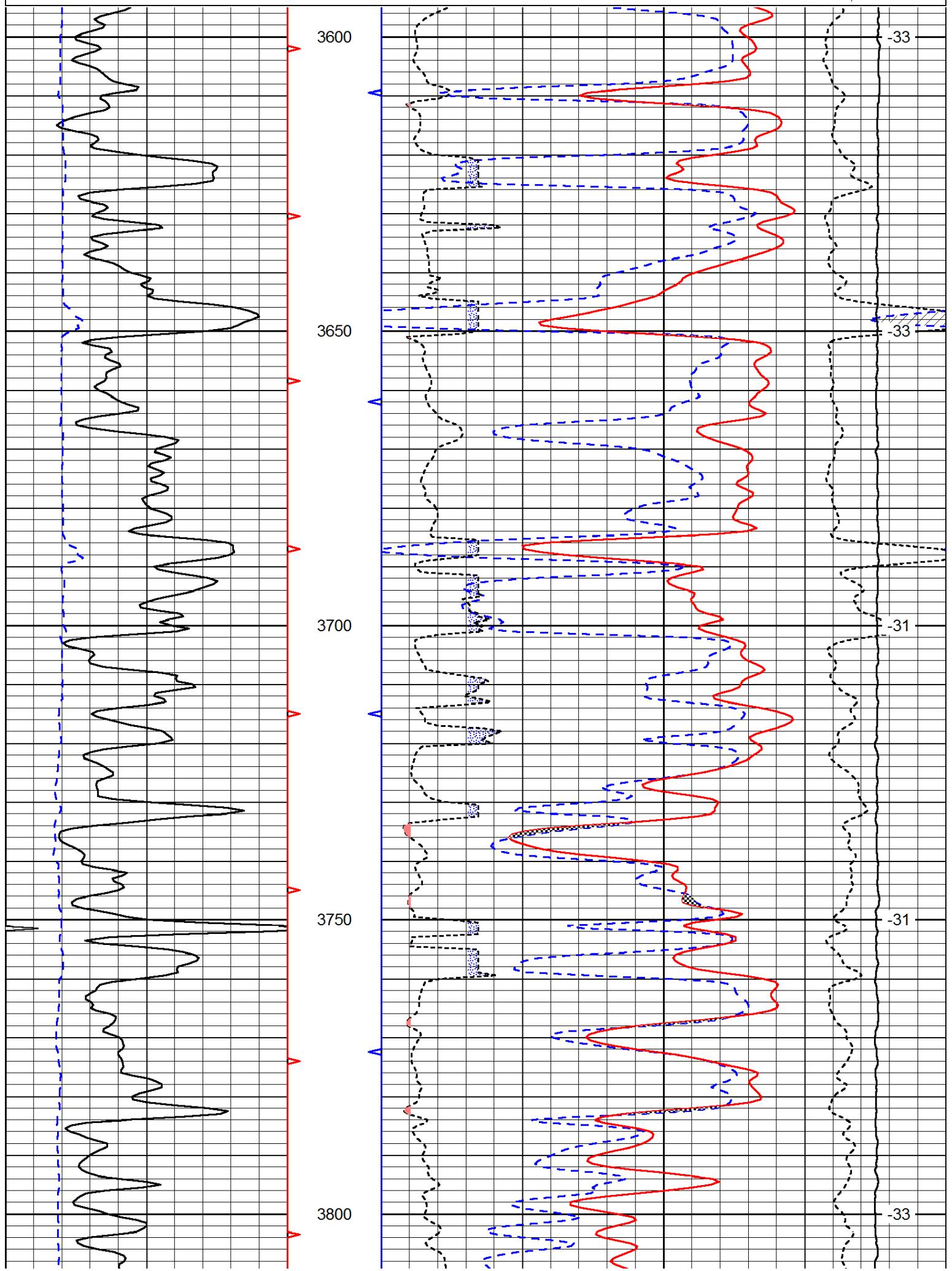
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

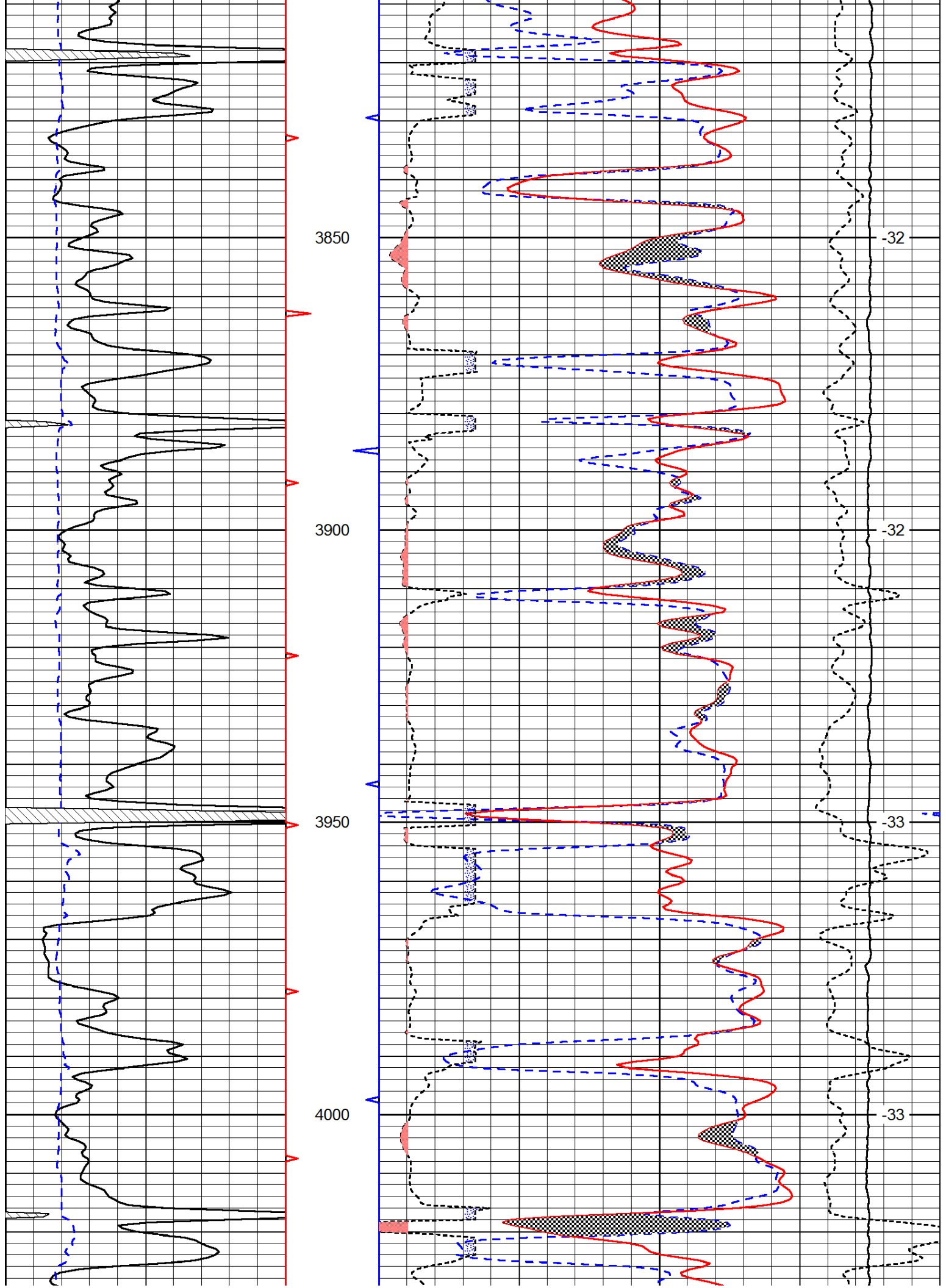


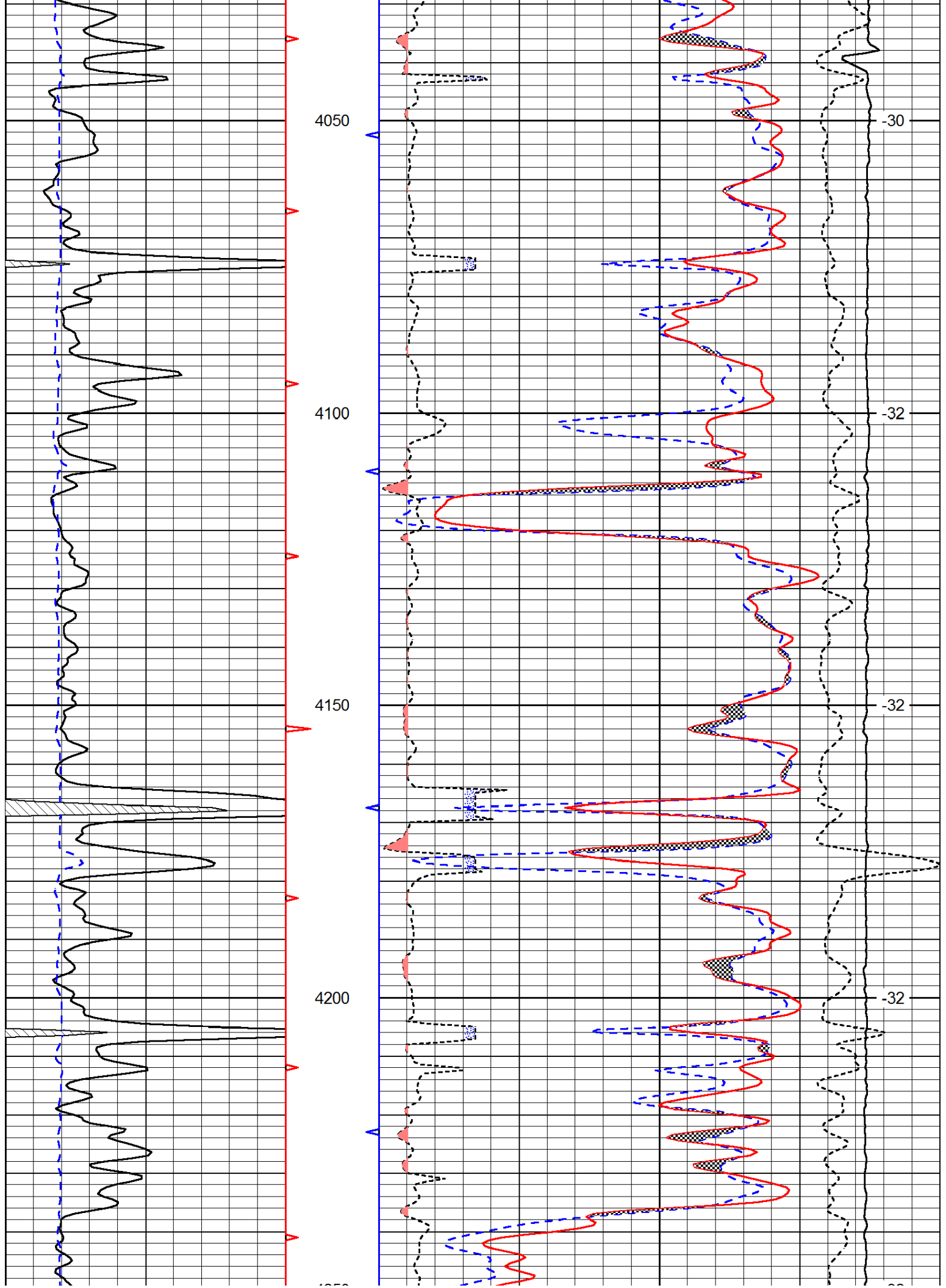


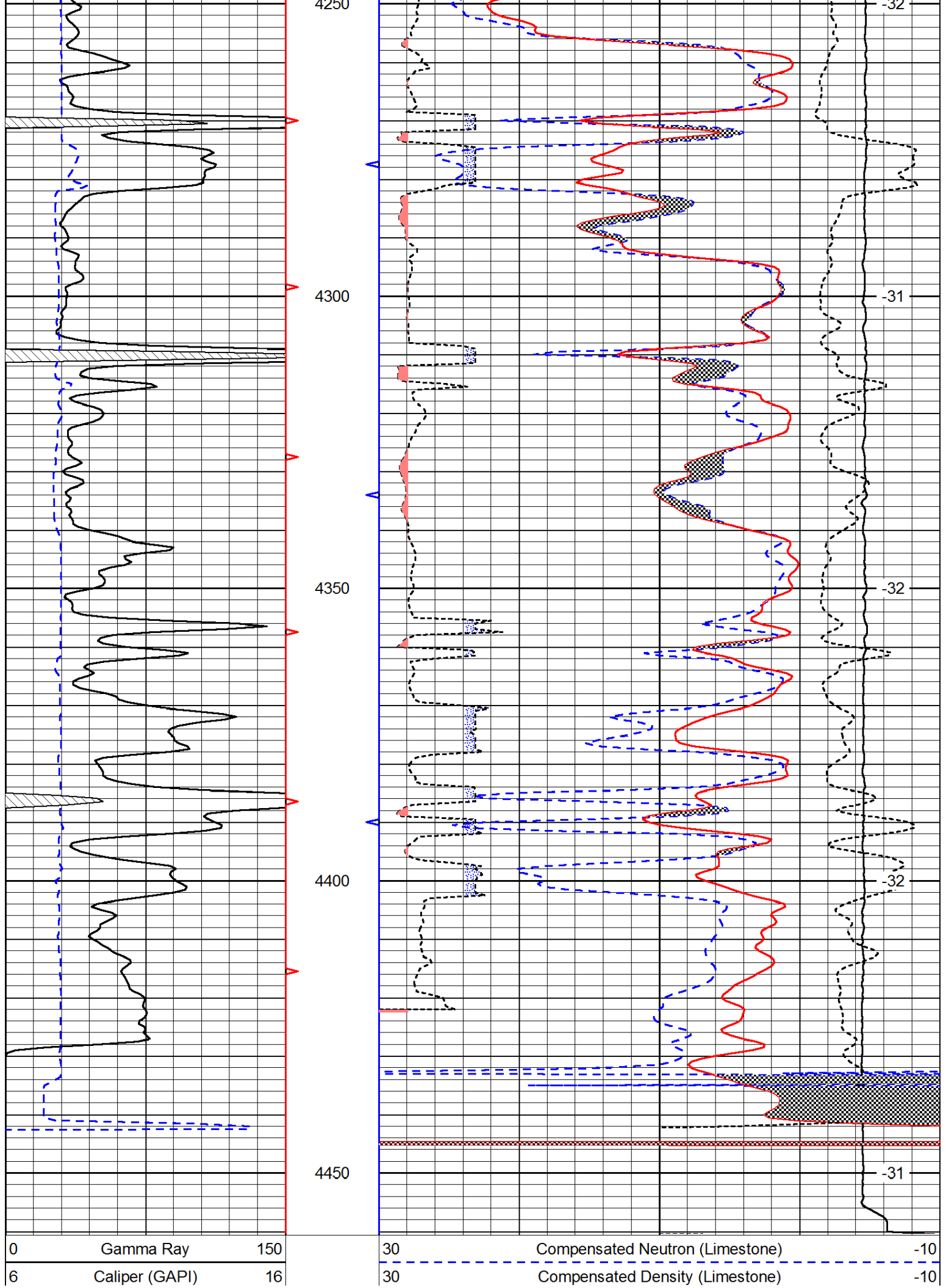
Database File:		c:\warrior\data\larson_paris-hineman #2-7\larhd.db	
Dataset Pathname:		dil\larstk	
Presentation Format:		cndlspec	
Dataset Creation:		Sun Jan 11 01:43:35 2015	
Charted by:		Depth in Feet scaled 1:240	

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









	2.625	DGA	3.425	-0.25	Correction	0.25
	15000		Line Tension			0
					LSPD	