



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-167-24,015-00-00

Company **Fossil Energy, LLC**

Well **Stielow No. 1-32**

Field

County **Russell**

State **Kansas**

Location

SE-NW-SW-SE
900' FSL & 2250' FEL

Other Services
DIL

Sec: **32**

Twp: **11S**

Rge: **14W**

Elevation

K.B. 1870
D.F. 1864
G.L. 1864

Elevation 1864

Ground Level

Kelly Bushing

6 Ft. Above Perm. Datum

Log Measured From

Kelly Bushing

6 Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

6 Ft. Above Perm. Datum

K.B. 1870
D.F. 1864
G.L. 1864

Elevation

K.B. 1870
D.F. 1864
G.L. 1864

Elevation

K.B. 1870
D.F. 1864
G.L. 1864

Elevation

K.B. 1870
D.F. 1864
G.L. 1864

Elevation

K.B. 1870
D.F. 1864
G.L. 1864

Elevation

K.B. 1870
D.F. 1864
G.L. 1864

Run Number

One

CNL / CDL

3396

3397

3376

2700

Chemical

3,000

9.3

Full

110

3 Hours

Max. Rec. Temp. F

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Operating Rig Time

3 Hours

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Equipment -- Location

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Recorded By

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Witnessed By

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Type Fluid In Hole

Chemical

3,000

9.3

Full

110

3 Hours

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Salinity, PPM CL

3,000

9.3

Full

110

3 Hours

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Density

3,000

9.3

Full

110

3 Hours

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Level

3,000

9.3

Full

110

3 Hours

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Max. Rec. Temp. F

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Operating Rig Time

3 Hours

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Equipment -- Location

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Recorded By

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Witnessed By

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

108

Hays

J. Henrickson

Randy Kilian

Borehole Record

To

Size

Wgt.

24#

From

00

To

640

640

640

640

640

Run No

Bit

From

To

Size

Wgt.

24#

From

00

To

640

640

640

1

12.25

00

640

8.625

24#

00

640

640

640

640

640

640

2

7.875

640

3396

3396

3396

3396

3396

3396

3396

3396

3396

3396

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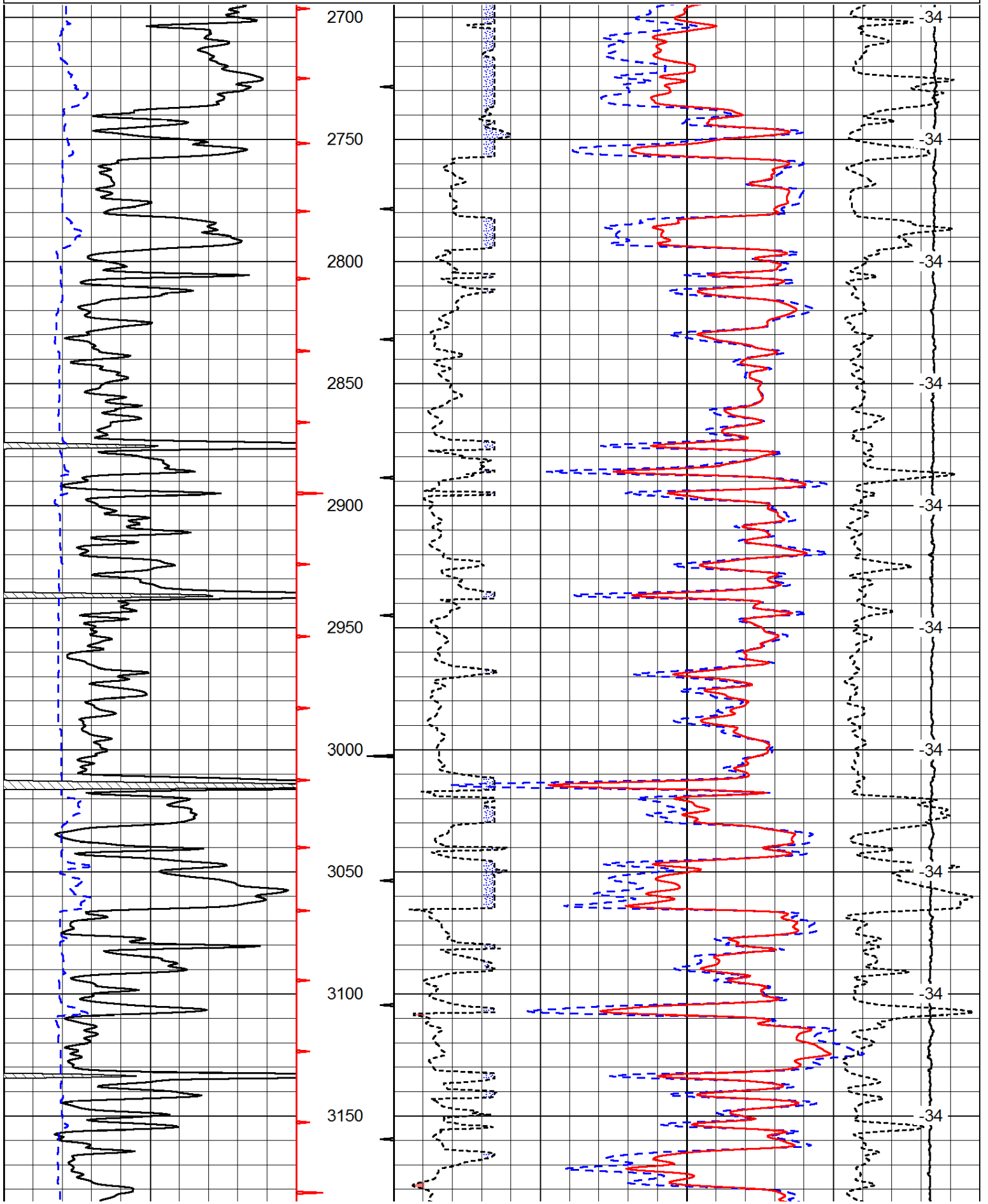
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

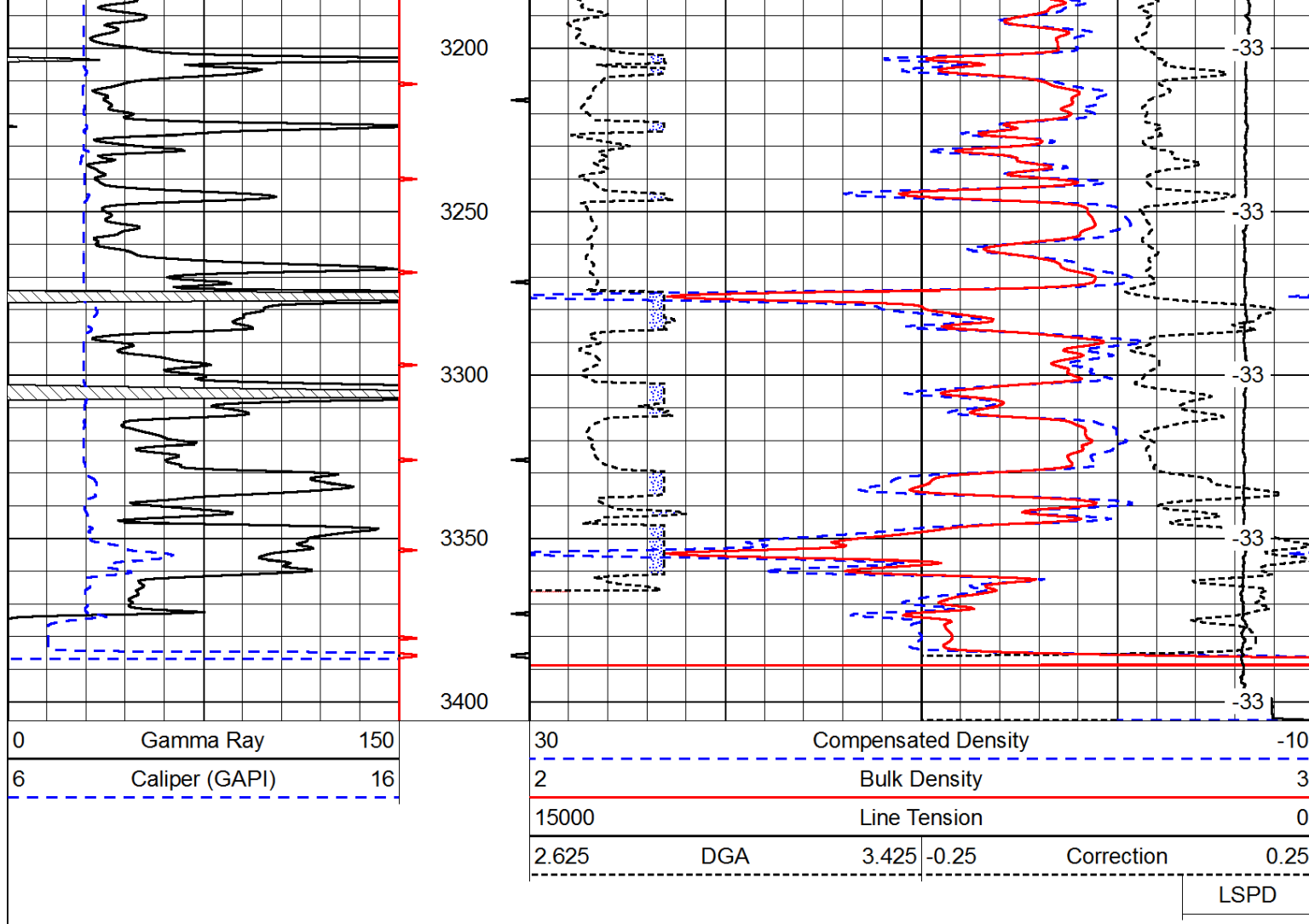
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Russell Kansas
North to Saline River Road, 1 West, 1 North, 1 1/4 West, North Into

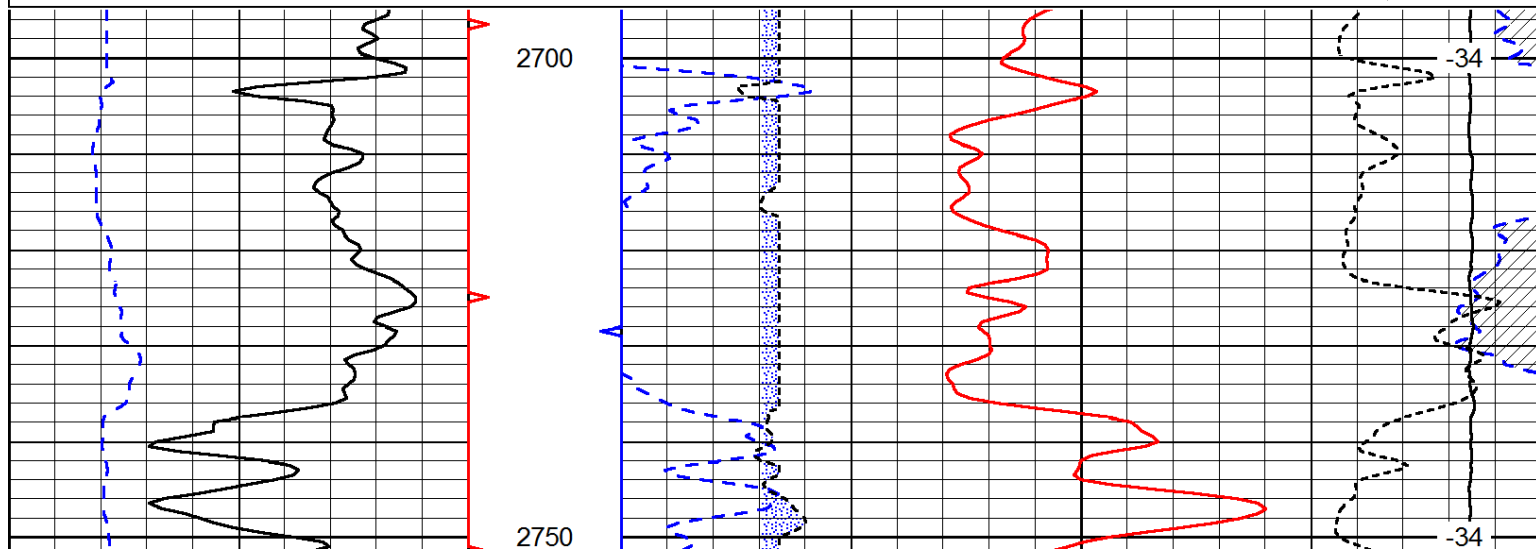
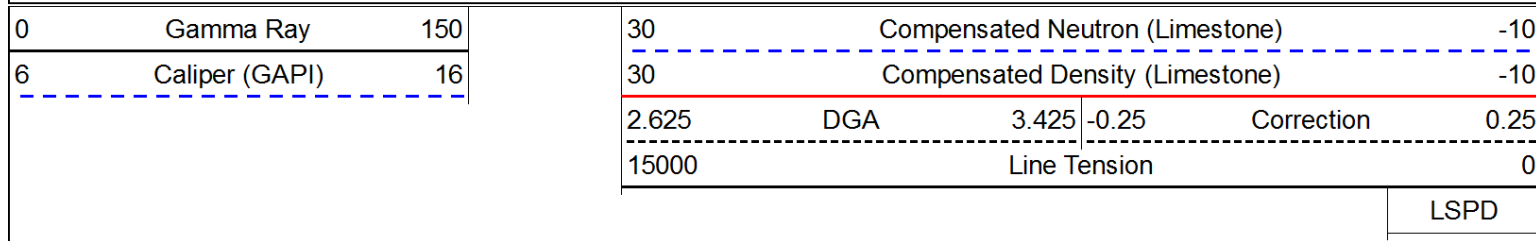
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6	Caliper (GAPI)	16

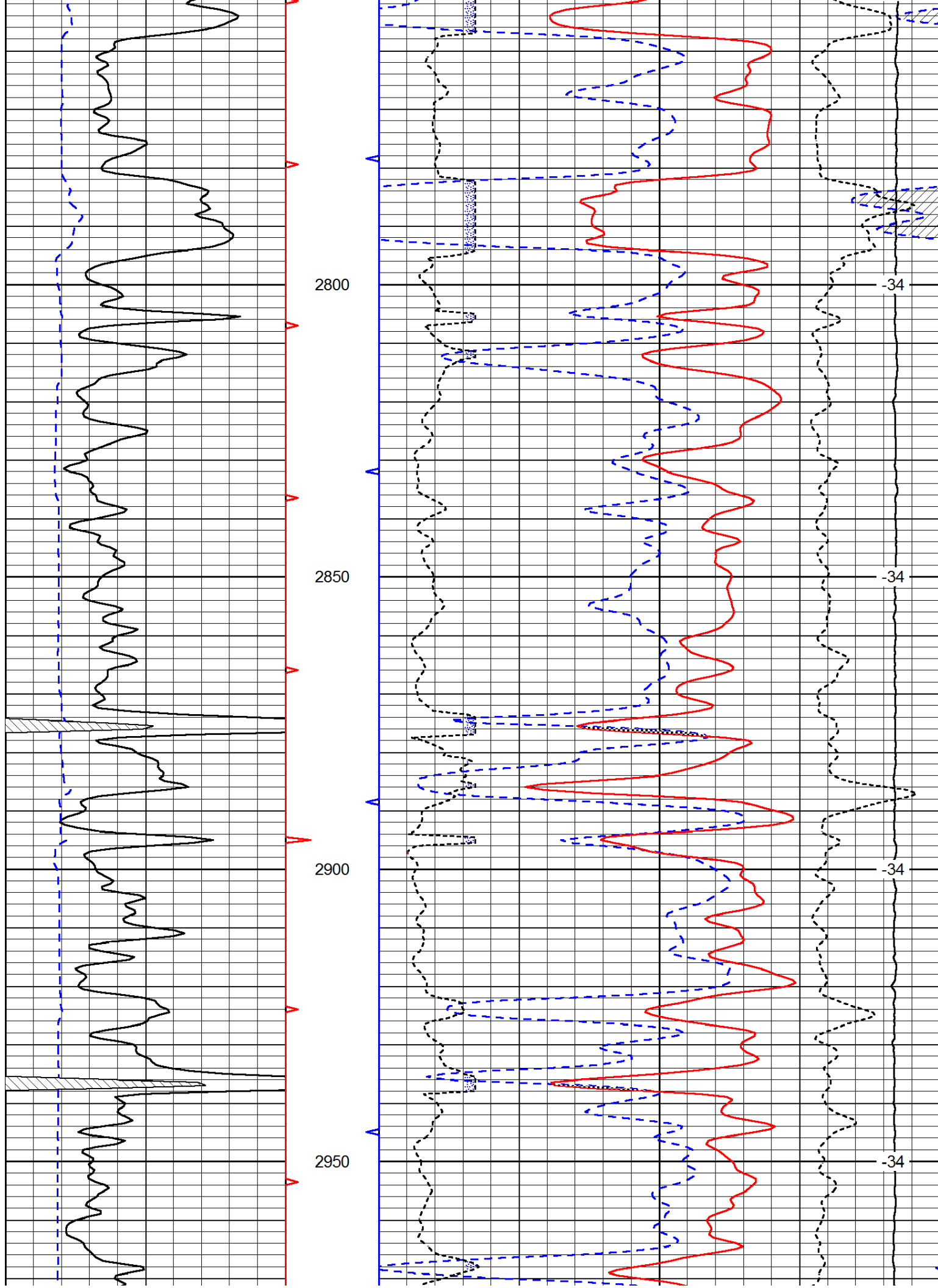
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

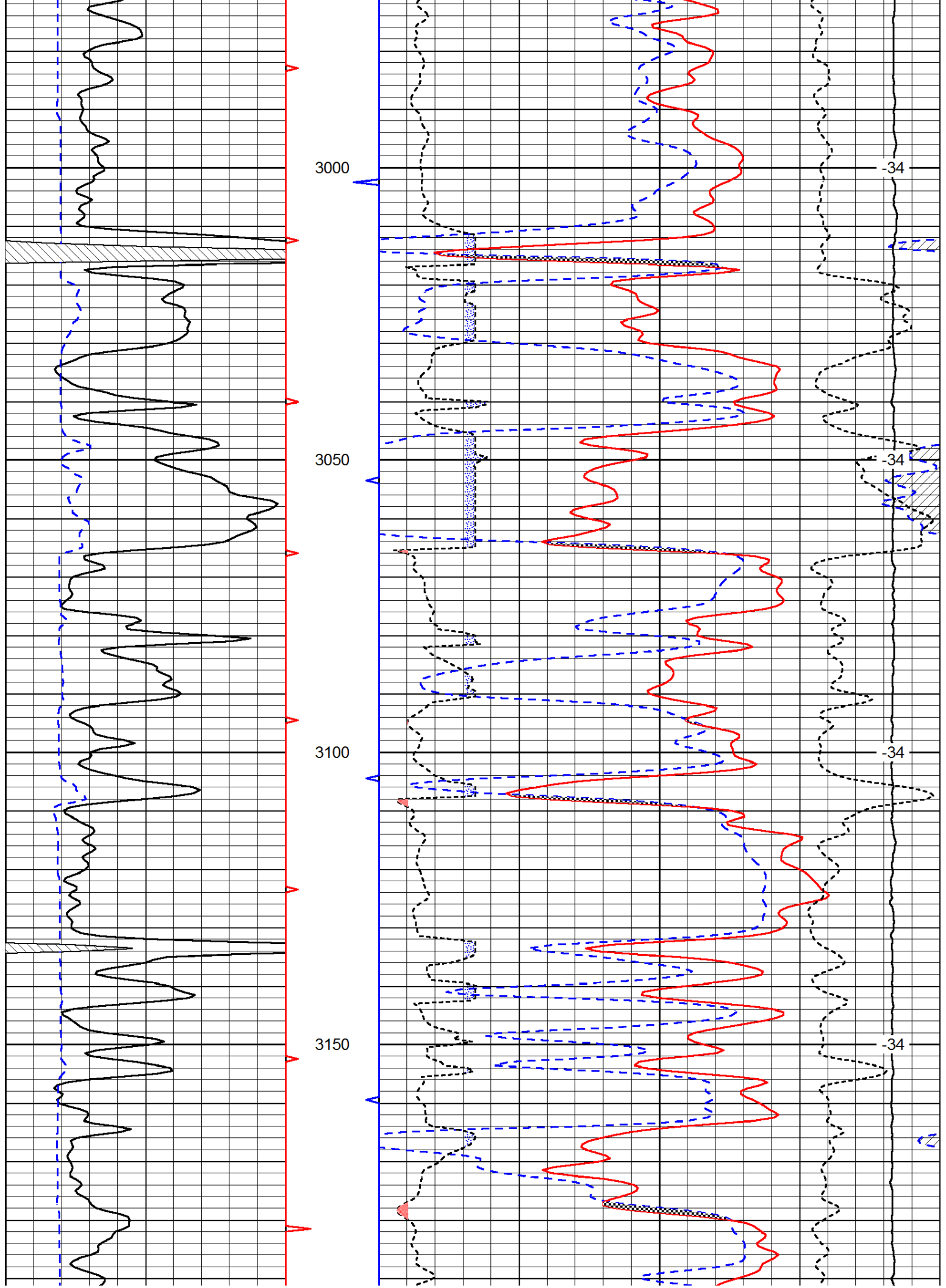


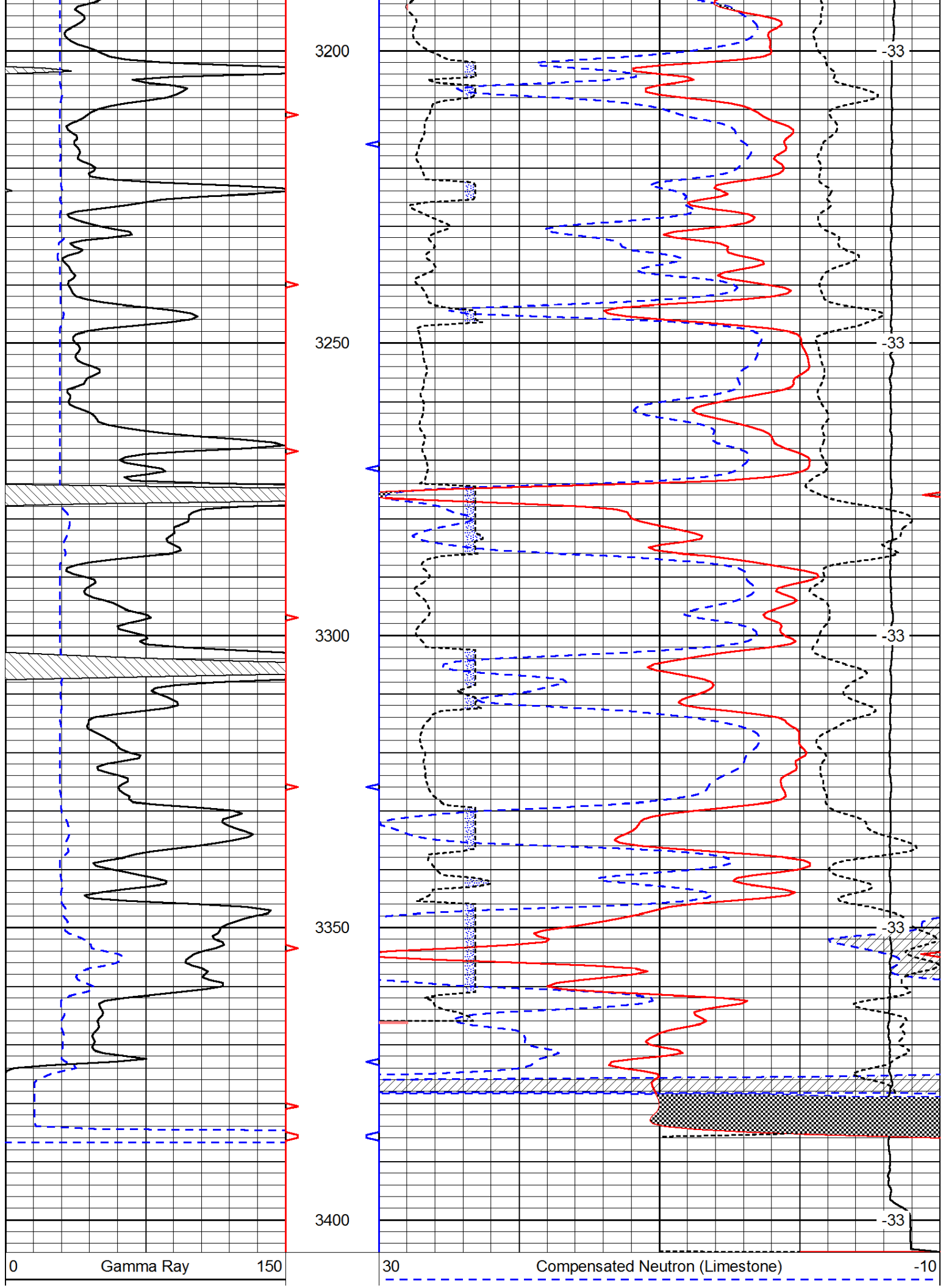


Database File: c:\warrior\data\fossil energy_stielow #1-32\fossil_stielow_1_32hd.db
 Dataset Pathname: DIL/fosstk
 Presentation Format: cndlspec
 Dataset Creation: Sat Dec 13 14:27:05 2014
 Charted by: Depth in Feet scaled 1:240









6	Caliper (GAPI)	16

30		Compensated Density (Limestone)			-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000		Line Tension			0
					LSPD