



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-159-22,810-00-00

Company **Lebsack Oil Production, Inc.**

Well **North River #4**

Field **Grove**

County **Rice**

State **Kansas**

Location

2900' FNL & 220' FWL

Other Services
DIL
MEL

Sec: **34**

Twp: **20S**

Rge: **10W**

Elevation

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation 1716
9 Ft. Above Perm. Datum

K.B. 1725
D.F.
G.L. 1716

Date

12/10/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

3200

Depth Logger

3200

Bottom Logged Interval

3179

Top Logged Interval

2500

Type Fluid In Hole

Chemical

Salinity, PPM CL

5300

Density

9.1

Level

Full

Max. Rec. Temp. F

108

Operating Rig Time

3 Hours

Equipment -- Location

108 | Hays

Recorded By

D. Fischer

Witnessed By

J. Long

Run No

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

264

8.625

24#

00

264

2

7.875

264

3200

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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

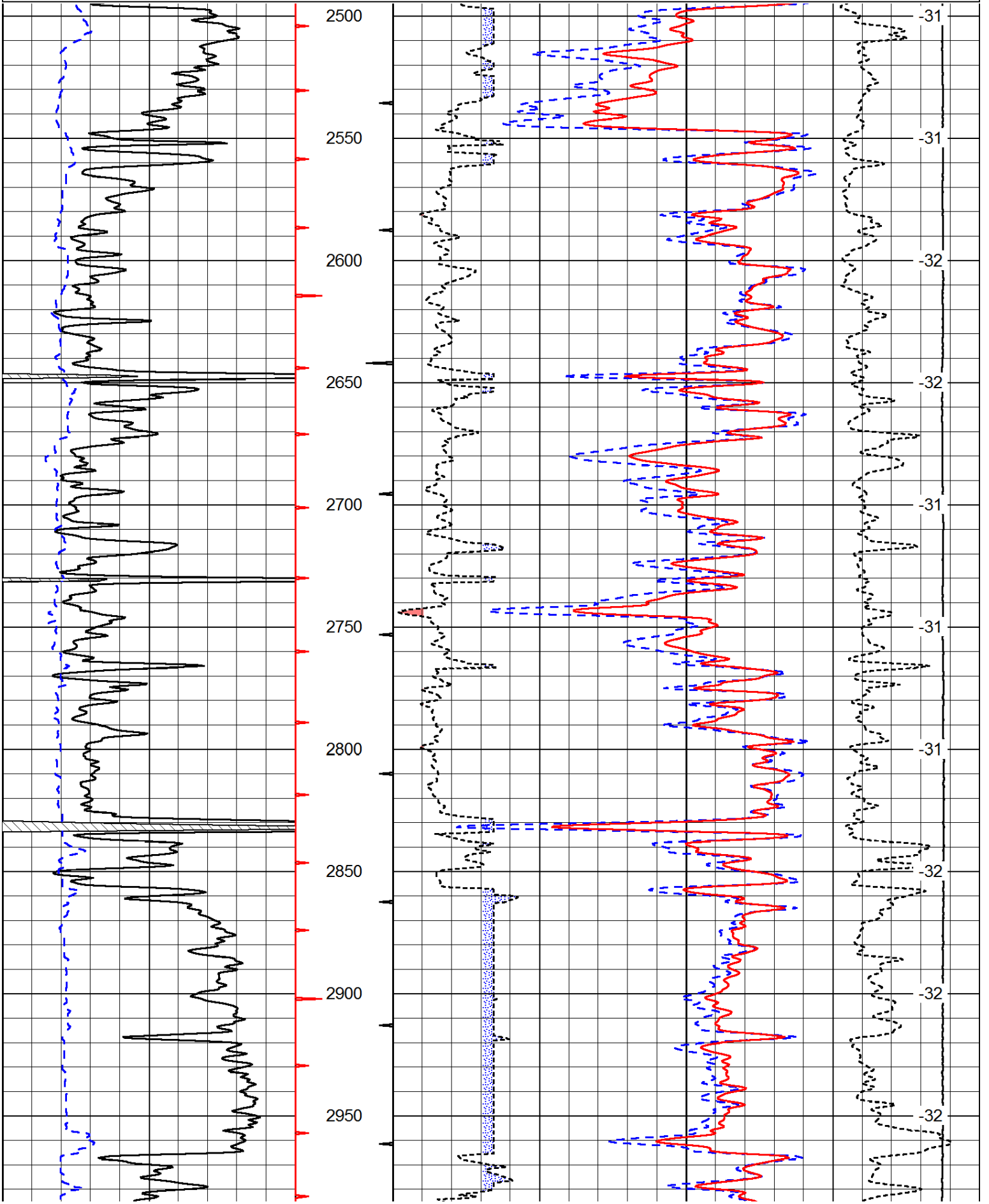
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

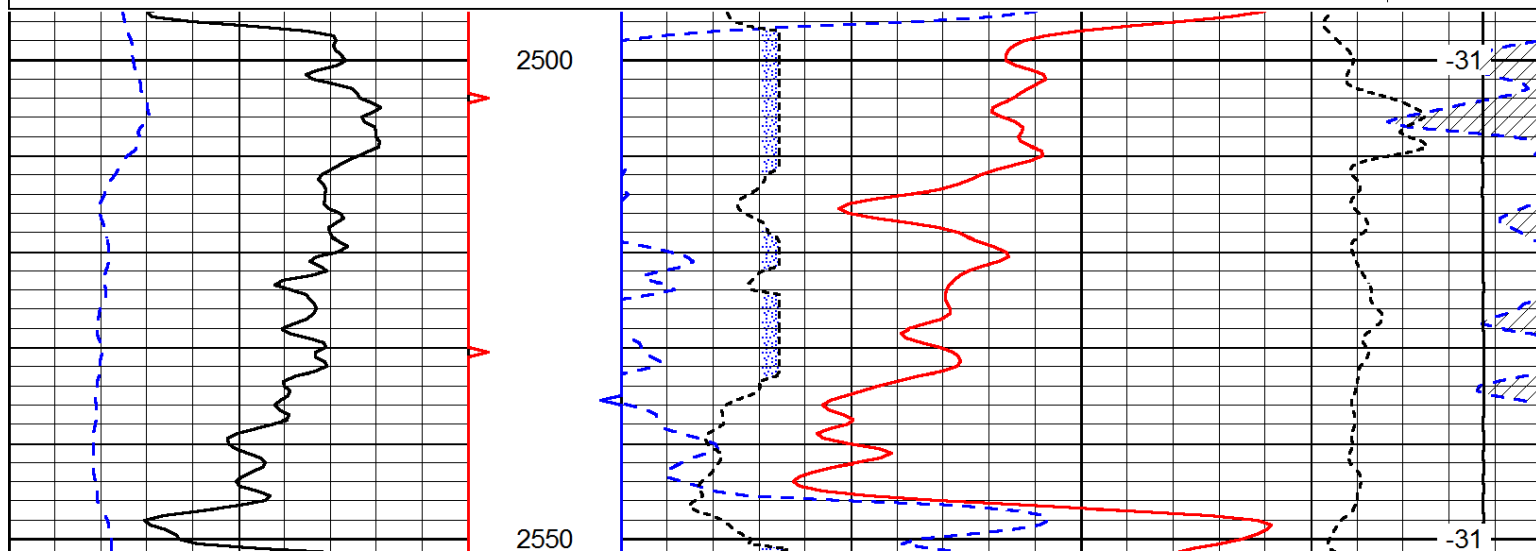
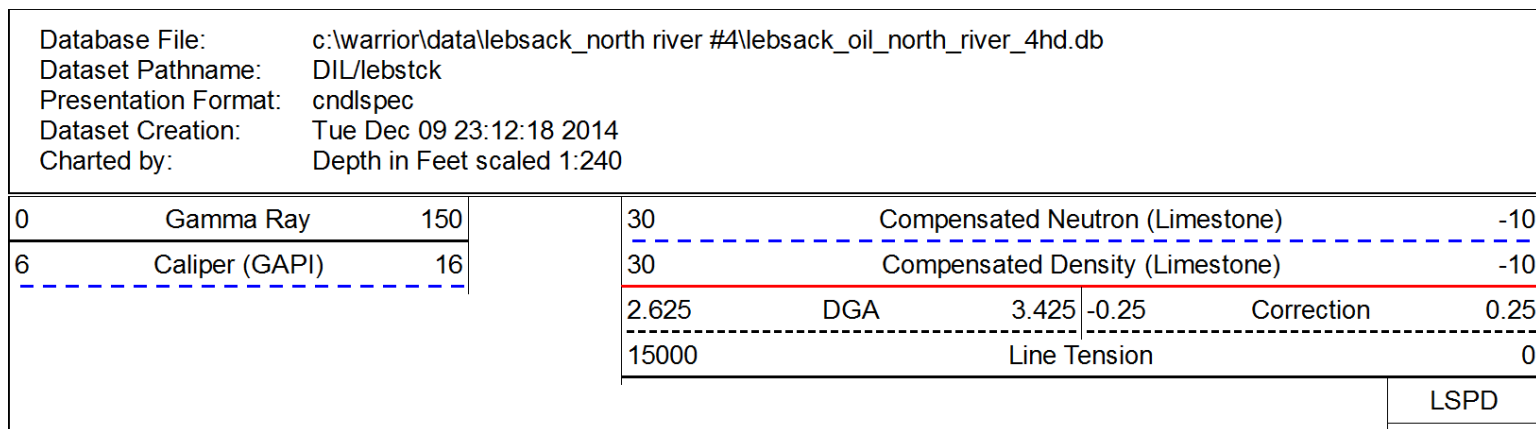
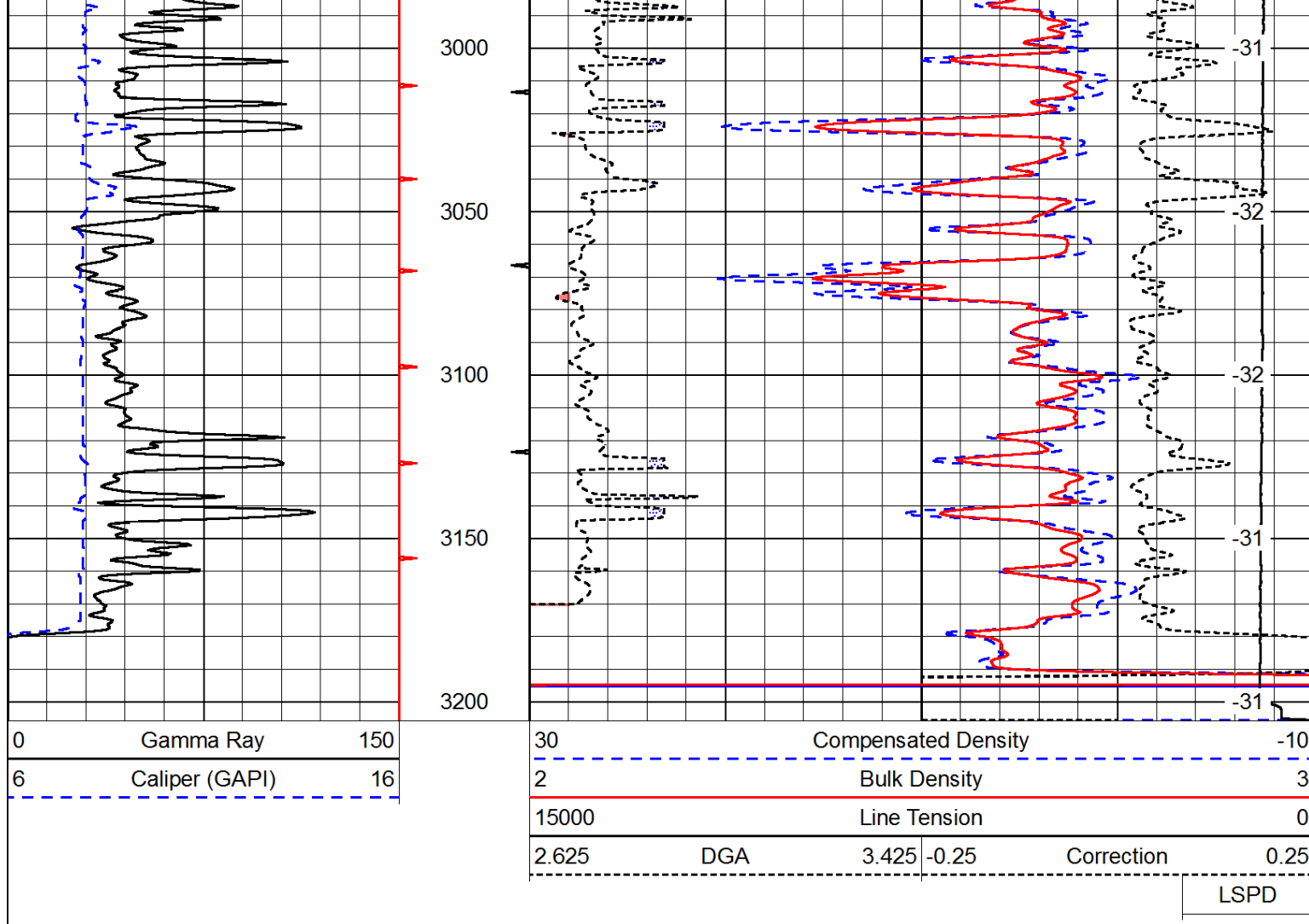
Raymond Ks., 1/2 West, South Into.

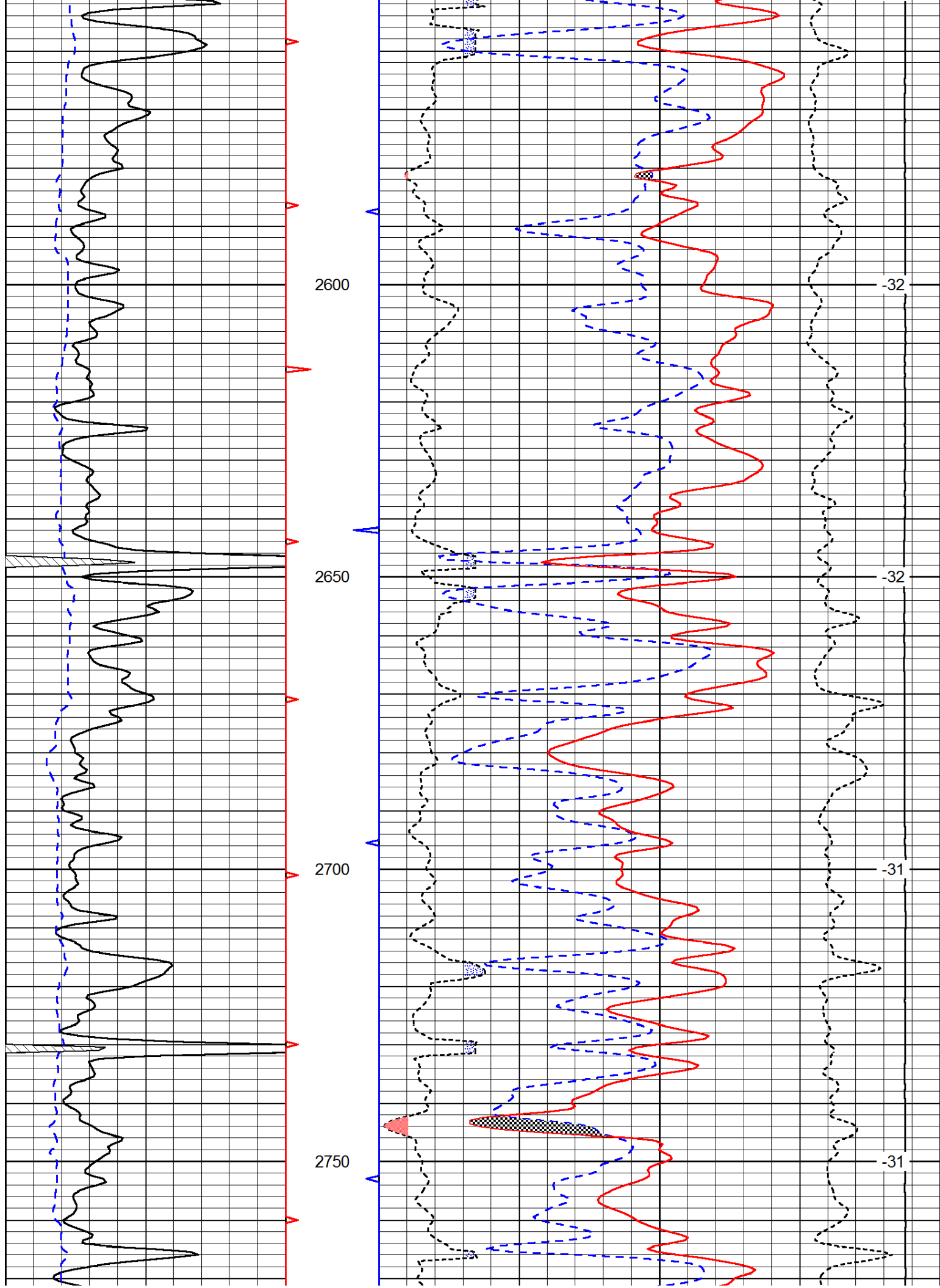
Database File: c:\warrior\data\lebsack_north river #4\lebsack_oil_north_river_4hd.db
Dataset Pathname: DIL/lebstck
Presentation Format: cdl
Dataset Creation: Tue Dec 09 23:12:18 2014
Charted by: Depth in Feet scaled 1:600

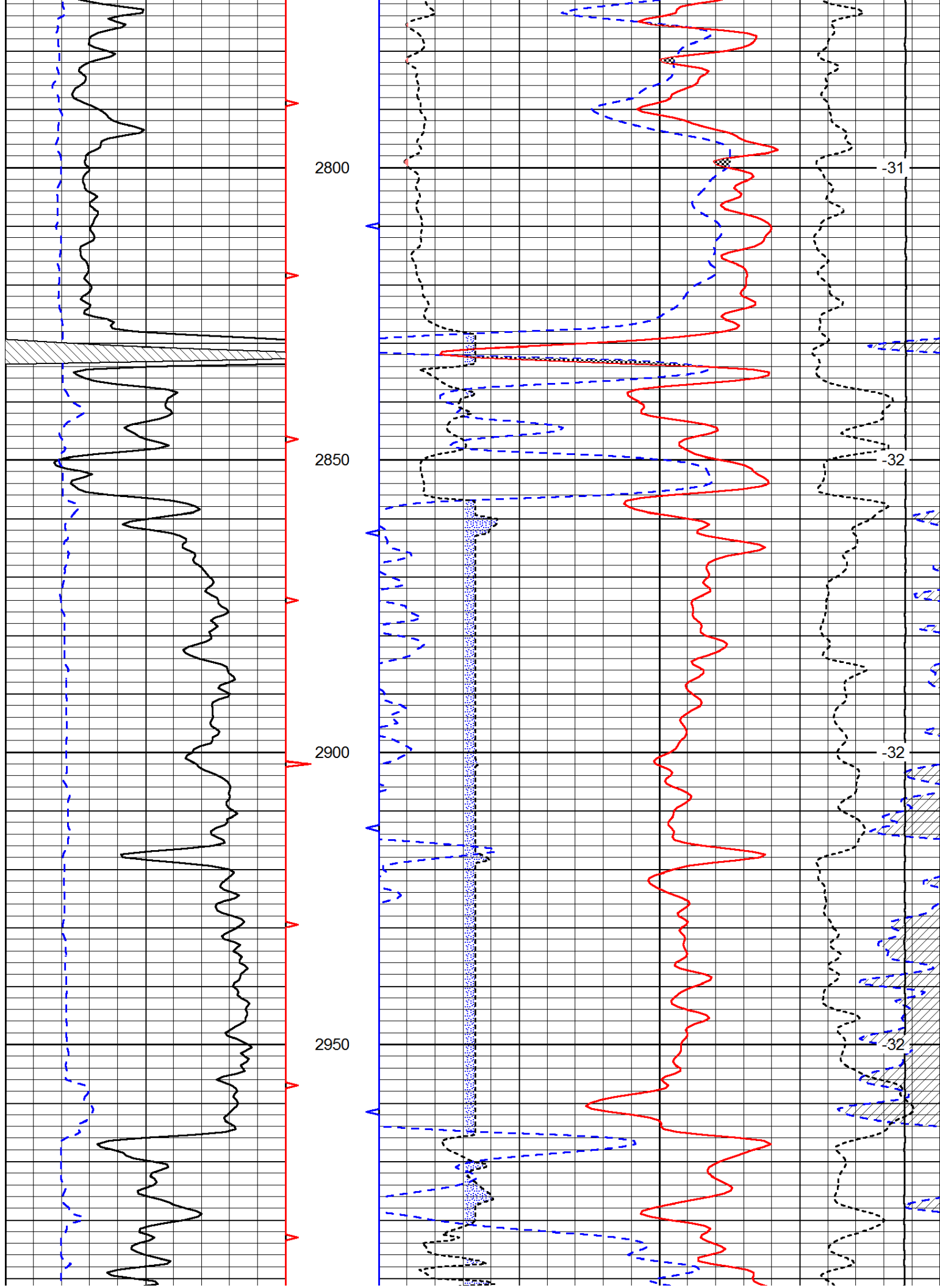
0	Gamma Ray	150
6	Caliper (GAPI)	16

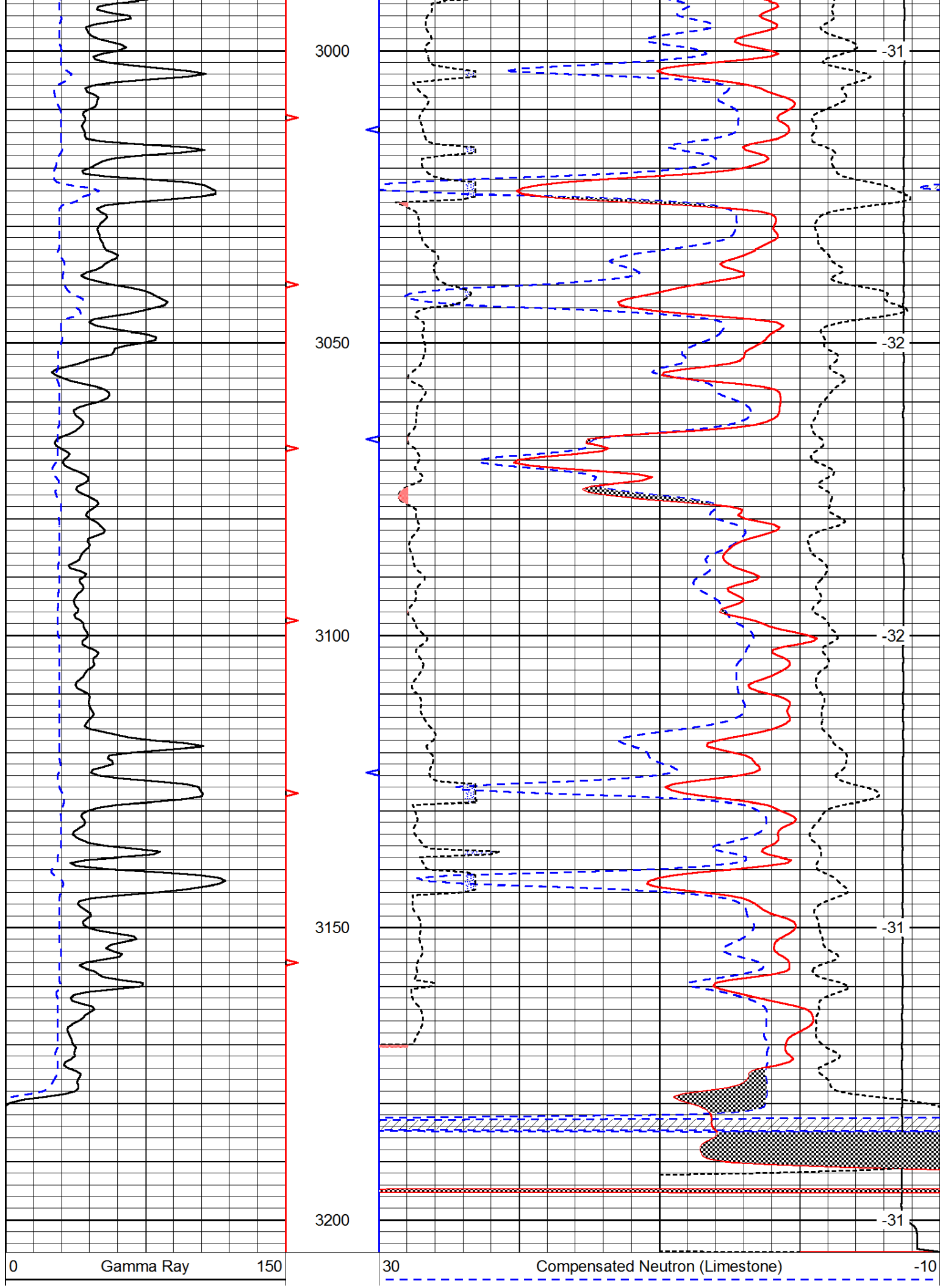
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			











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