



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-023-21420-00-00

Company **Murfin Drilling Company, Inc.**

Well **Culwell "C" #3-10**

Field **Jones Canyon Southeast**

County **Cheyenne** State **Kansas**

Location

**SE SW
660' FSL / 1980' FWL**

Other Services
DIL
MEL/BHCS

Sec: **10**

Twp: **1S**

Rge: **37W**

Permanent Datum

Ground Level

Elevation 3189

Log Measured From

Kelly Bushing

11 Ft. Above Perm. Datum

K.B. 3200
D.F.
G.L. 3189

Drilling Measured From

Kelly Bushing

11 Ft. Above Perm. Datum

K.B. 3200
D.F.
G.L. 3189

Date

2/15/2015

Run Number

One

Type Log

CNL / CDL

Depth Driller

4730

Depth Logger

4726

Bottom Logged Interval

4705

Top Logged Interval

3500

Type Fluid In Hole

Chemical

Salinity, PPM CL

500

Density

9.3

Level

Full

Max. Rec. Temp. F

123

Operating Rig Time

5 Hours

Equipment -- Location

51 Hays

Recorded By

R. Barnhart

Witnessed By

Chuck Schmalz

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

225

8.625

23#

00

225

Two

7.875

225

TD

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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

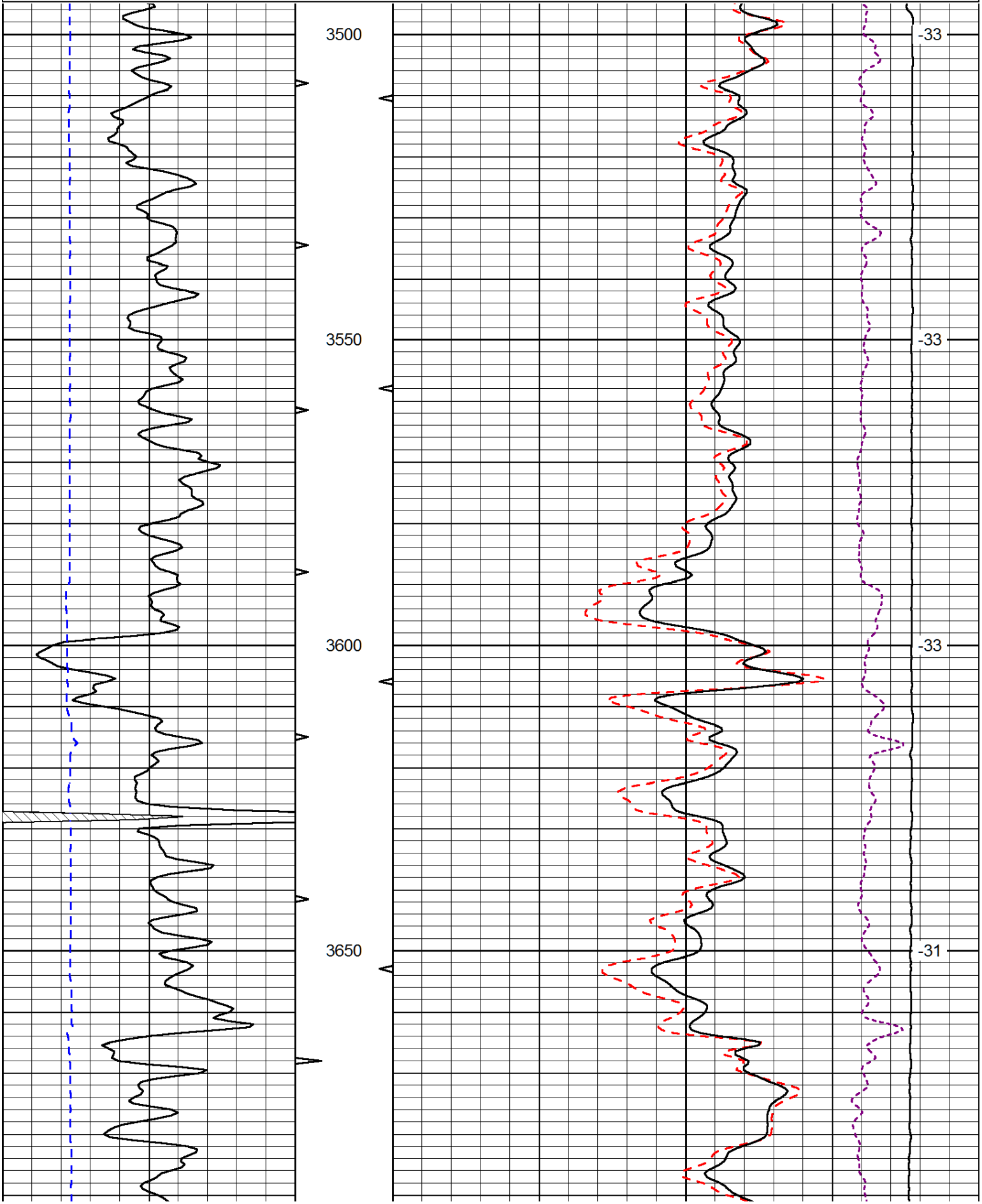
Thank you for using Log-Tech, Inc.
(785) 625-3858

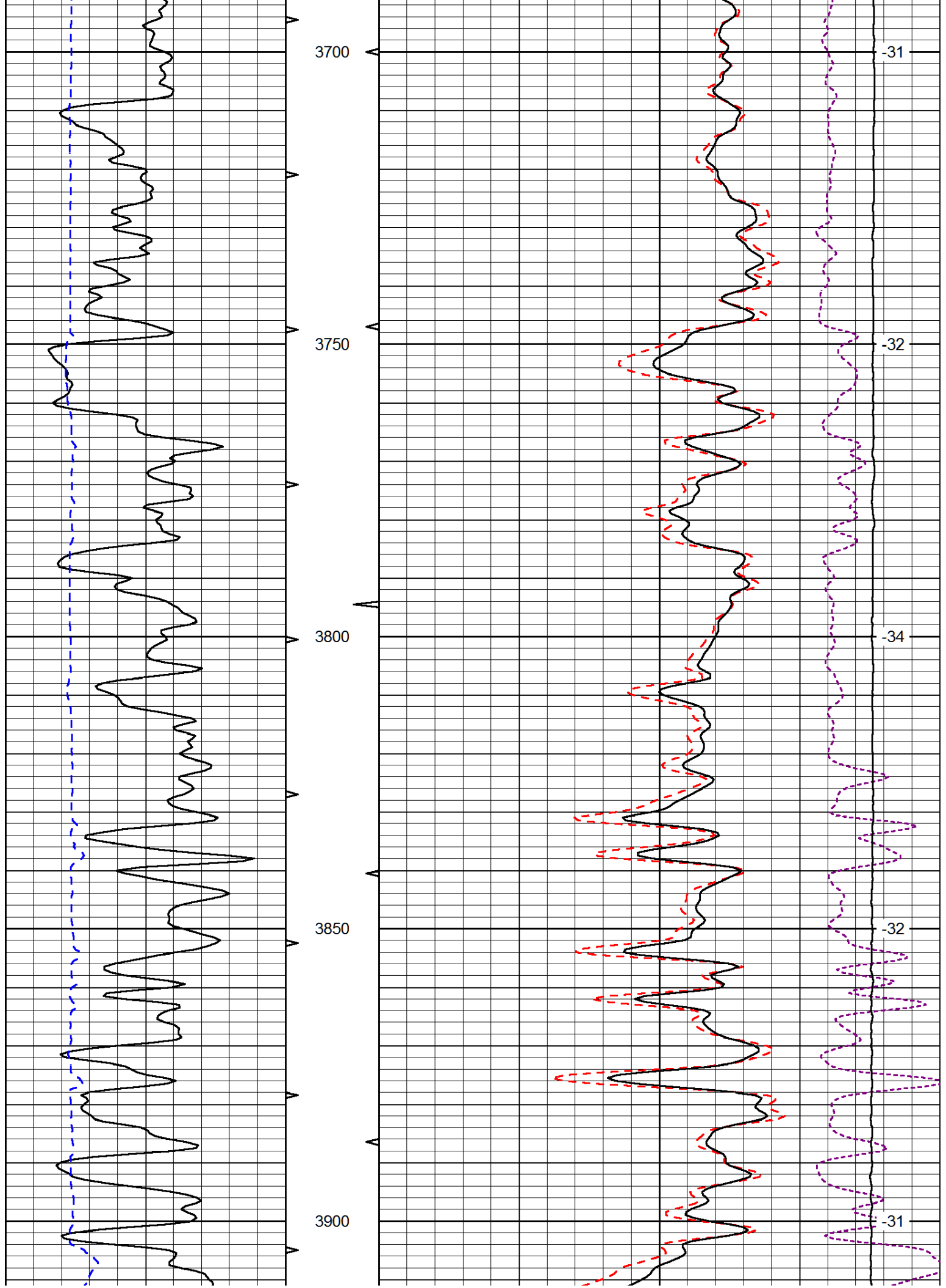
Bird City, KS:
N to AA Rd., 3 1/2E to a T, 2N to a Y, E past CG to rig

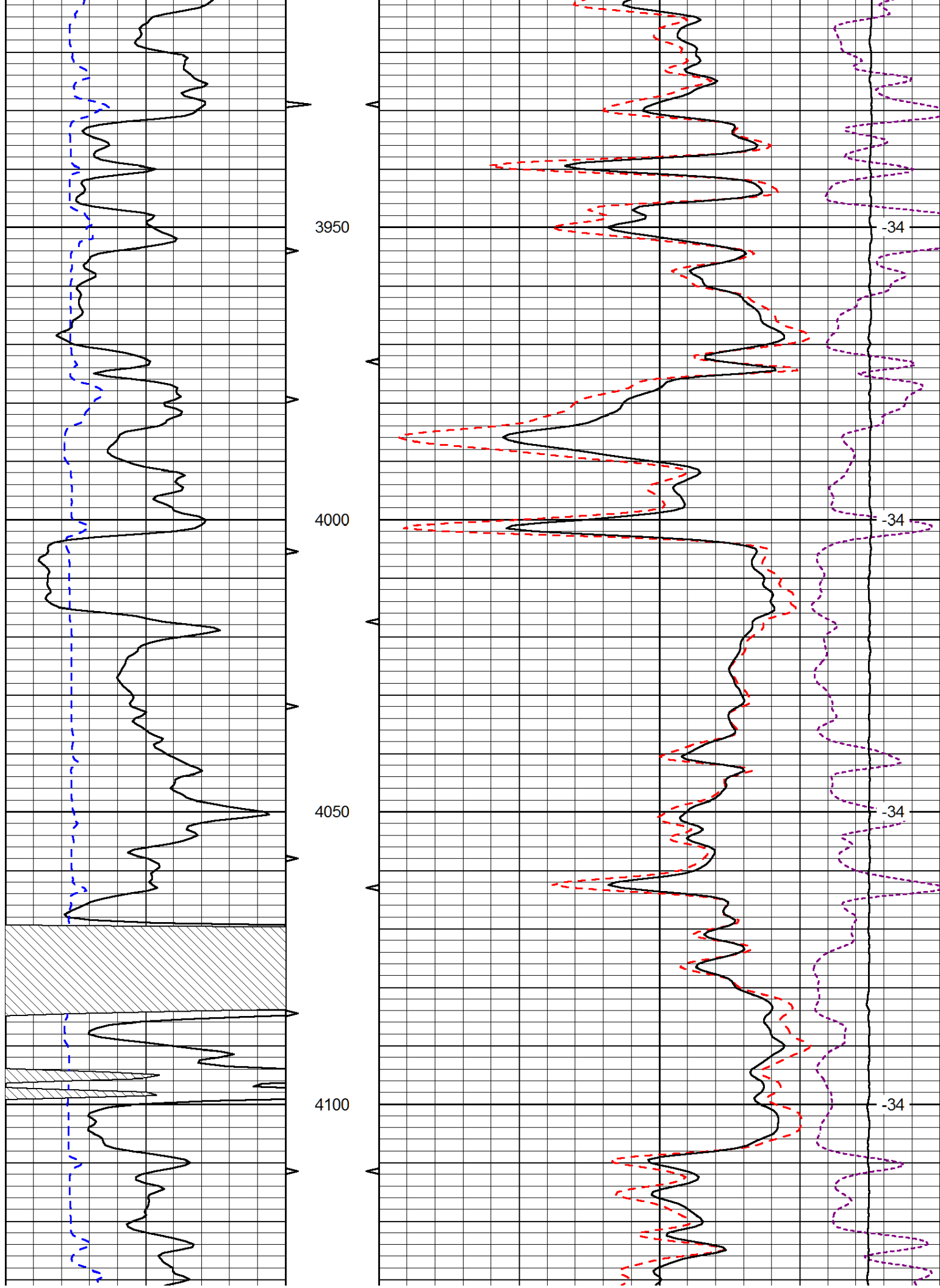
Database File: murfin_hd.db
Dataset Pathname: dil/mrfmain
Presentation Format: cdl
Dataset Creation: Sun Feb 15 06:15:23 2015
Charted by: Depth in Feet scaled 1:240

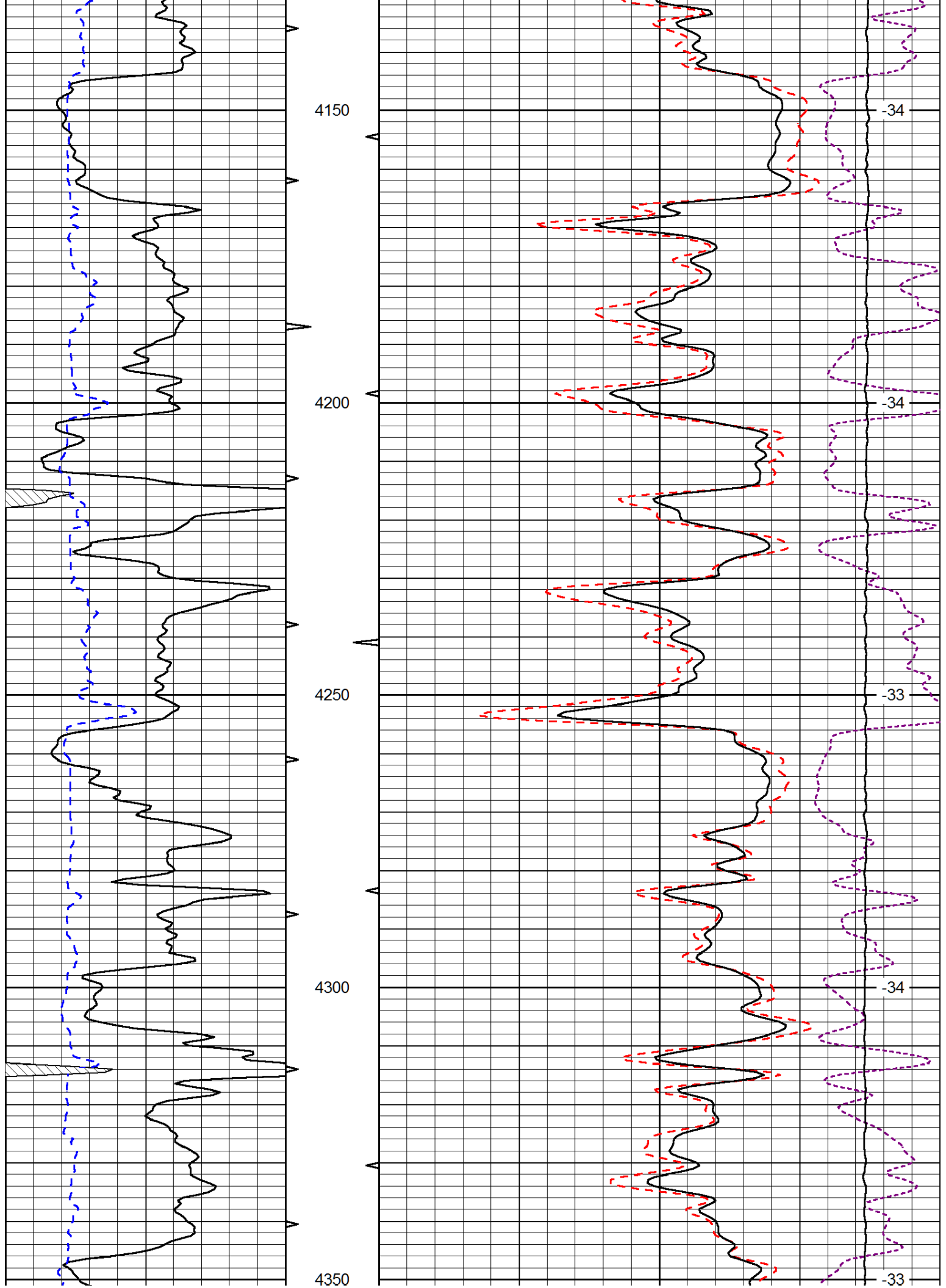
0	Gamma Ray	150
6	Caliper (GAPI)	16

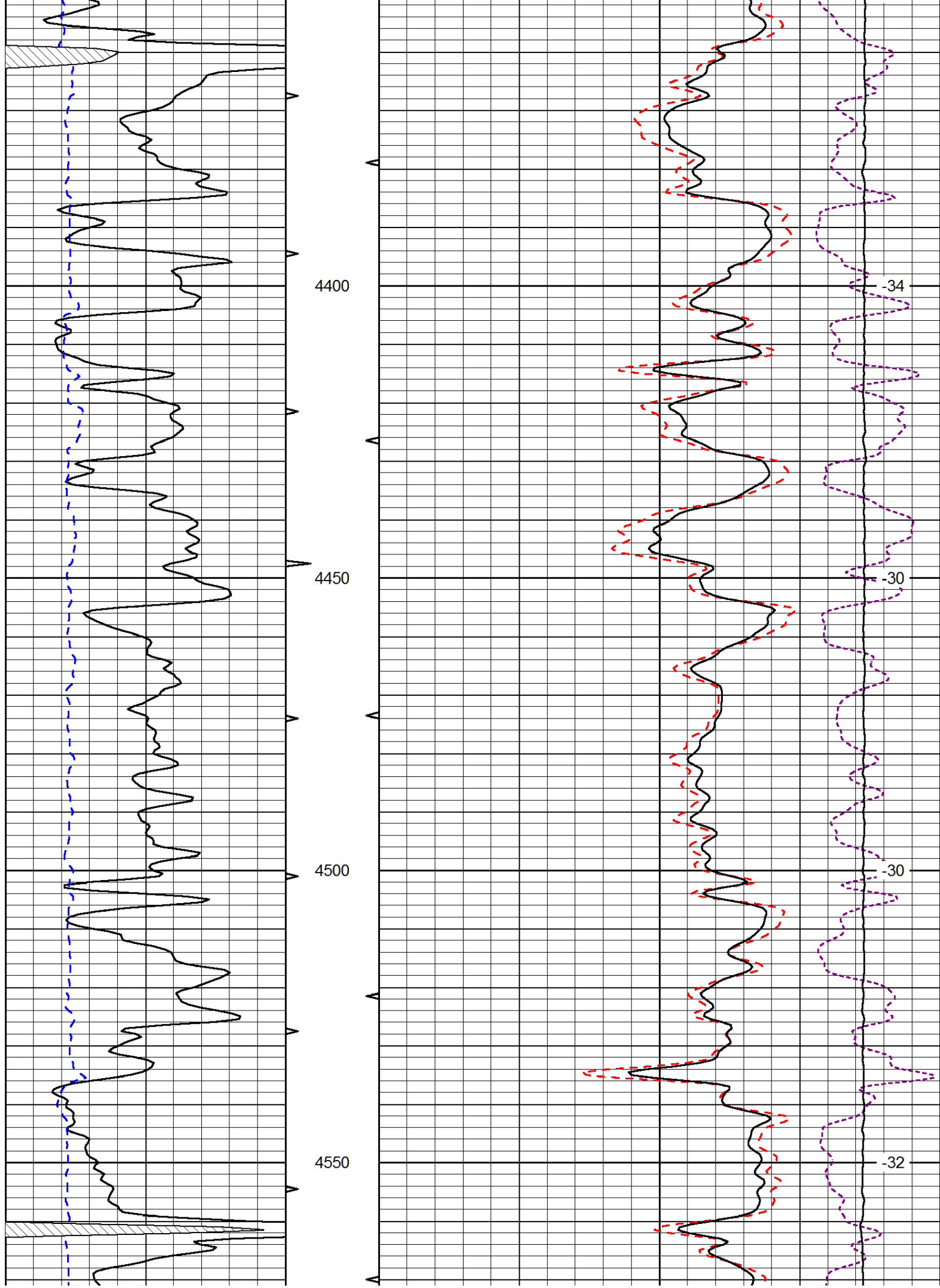
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
	-0.25	Correction	0.25
			LSPD

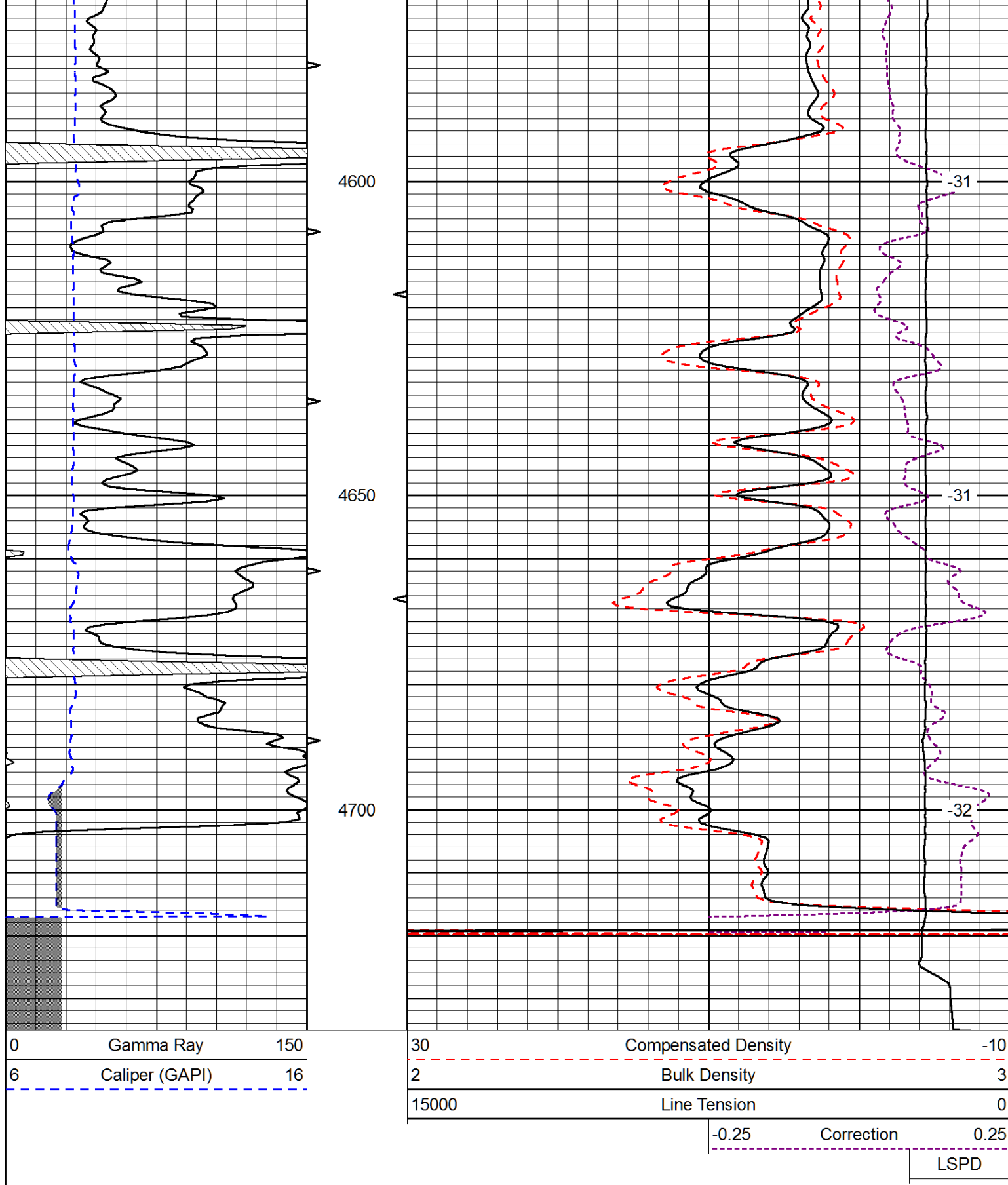












Database File: murfin_hd.db
Dataset Pathname: dil/mrfmain
Presentation Format: cndlspec
Dataset Creation: Sun Feb 15 06:15:23 2015
Charted by: Depth in Feet scaled 1:240

