



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-023-21391-00-00

Company Murfin Drilling Company, Inc.

Well Jones B #3-9

Field Jones Canyon Southeast

County Cheyenne State Kansas

Location 660' FNL & 1980' FWL

Sec: 9 Twp: 1S Rge: 37W

Other Services
DIL
MEL/BHCS

Permanent Datum Ground Level Elevation 3202

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing K.B. 3212
D.F. G.L. 3202

Date 05/22/2014

Run Number One

Type Log CNL / CDL

Depth Driller 4740

Depth Logger 4737

Bottom Logged Interval 4716

Top Logged Interval 3500

Type Fluid In Hole Chemical

Salinity, PPM CL 1400

Density 9.1

Level Full

Max. Rec. Temp. F 125

Operating Rig Time 6 Hours

Equipment -- Location 91 Hays

Recorded By D. Schmidt

Witnessed By Ken Wallace

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

226

One

12.25

00

226

8.625

23#

00

226

Two

7.875

226

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.

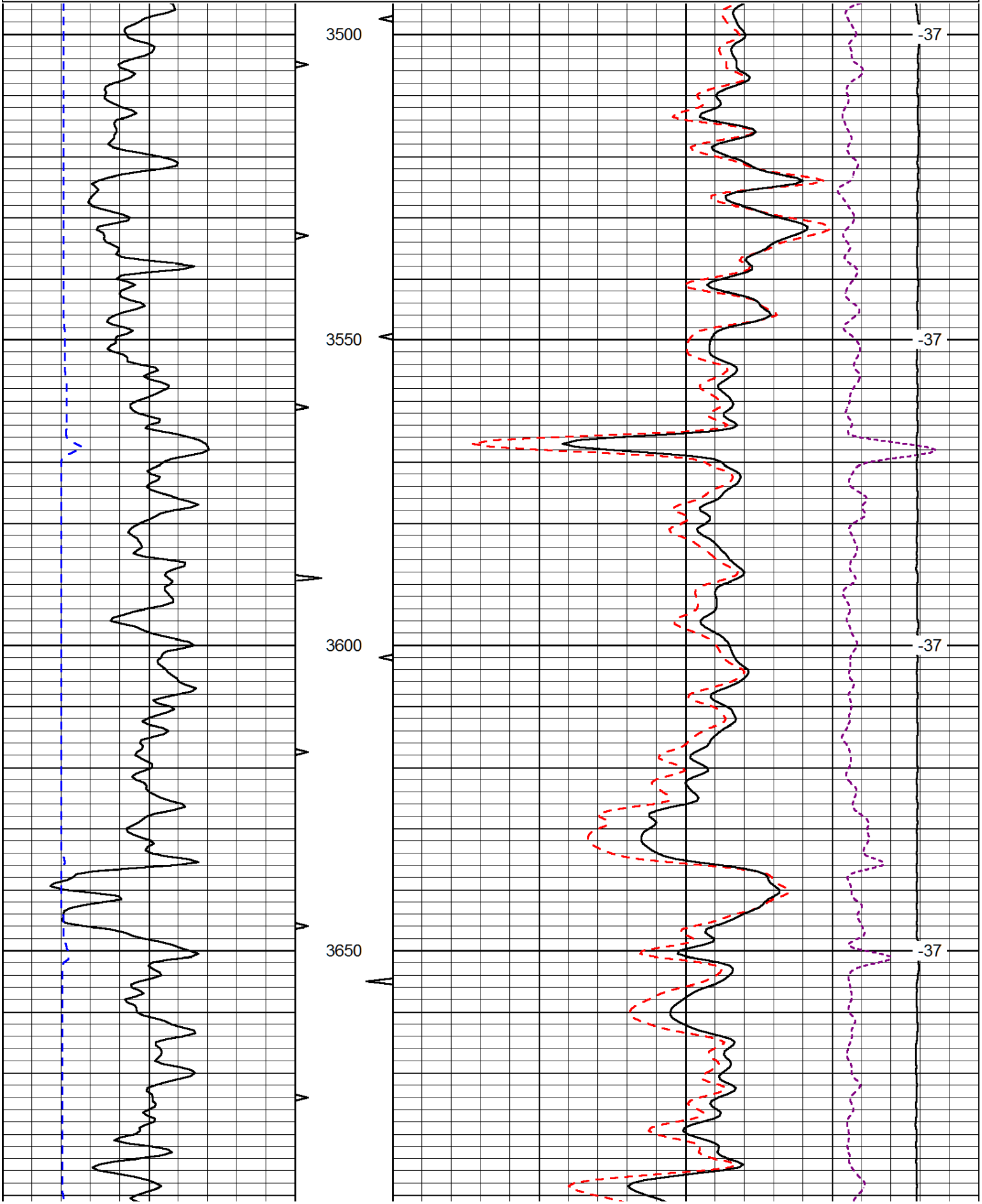
Comments

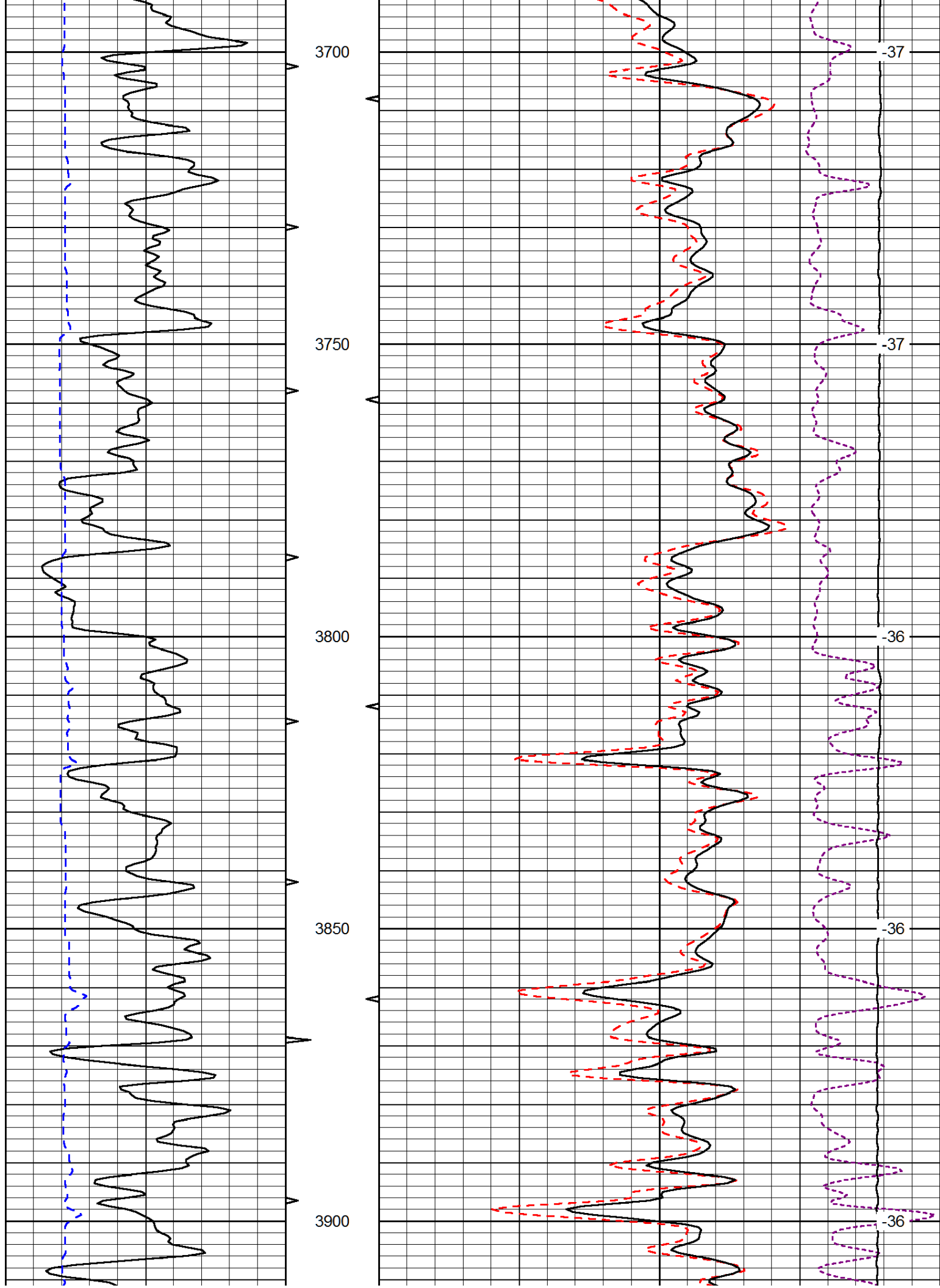
Thank you for using Log-Tech, Inc.
(785) 625-3858
Bird City,
North to EE Rd,
3 East road curves South,
1 South, East into

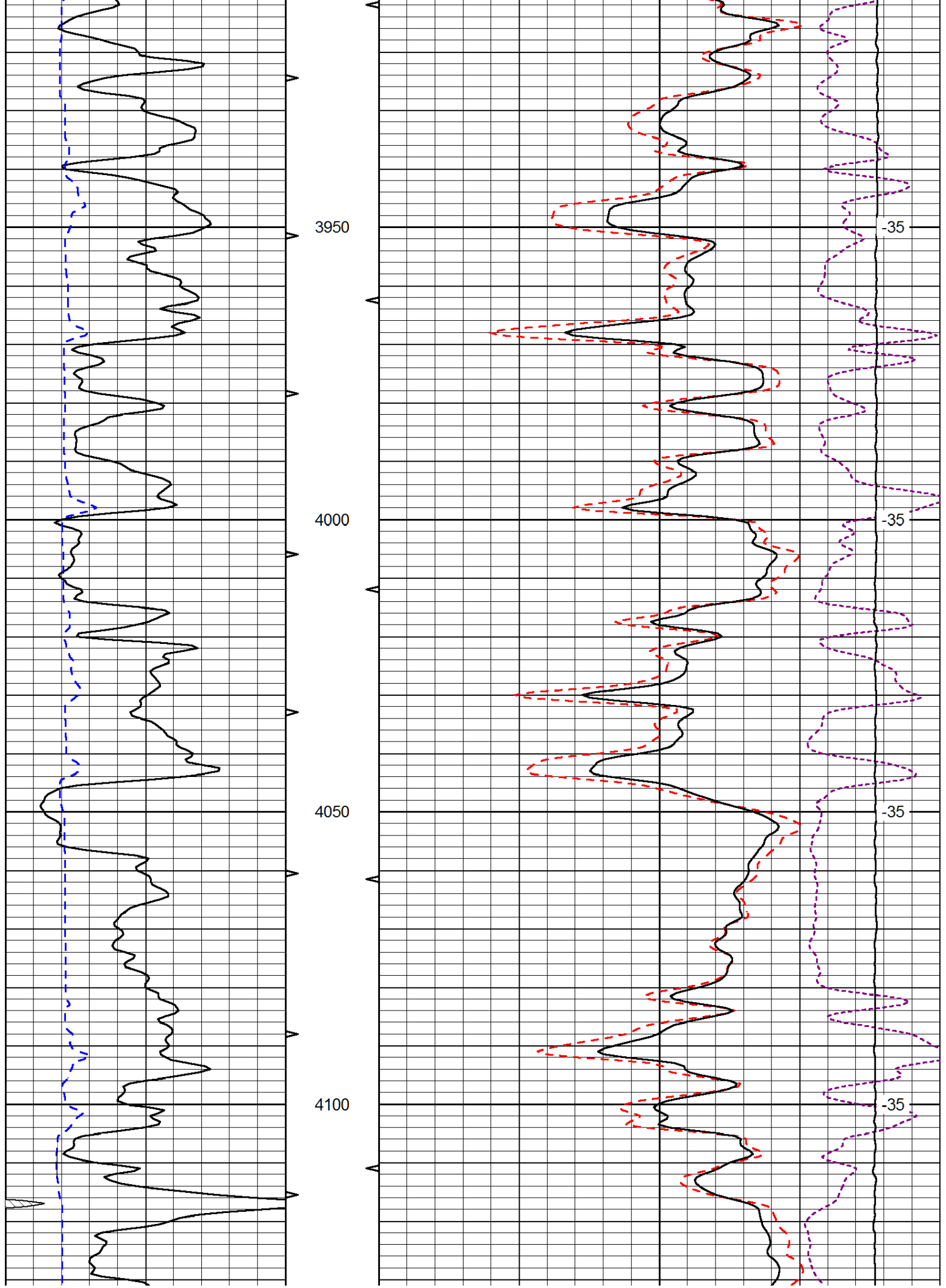
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Dataset Pathname: dil/mrfstck
Presentation Format: cdl
Dataset Creation: Thu May 22 19:42:32 2014
Charted by: Depth in Feet scaled 1:240

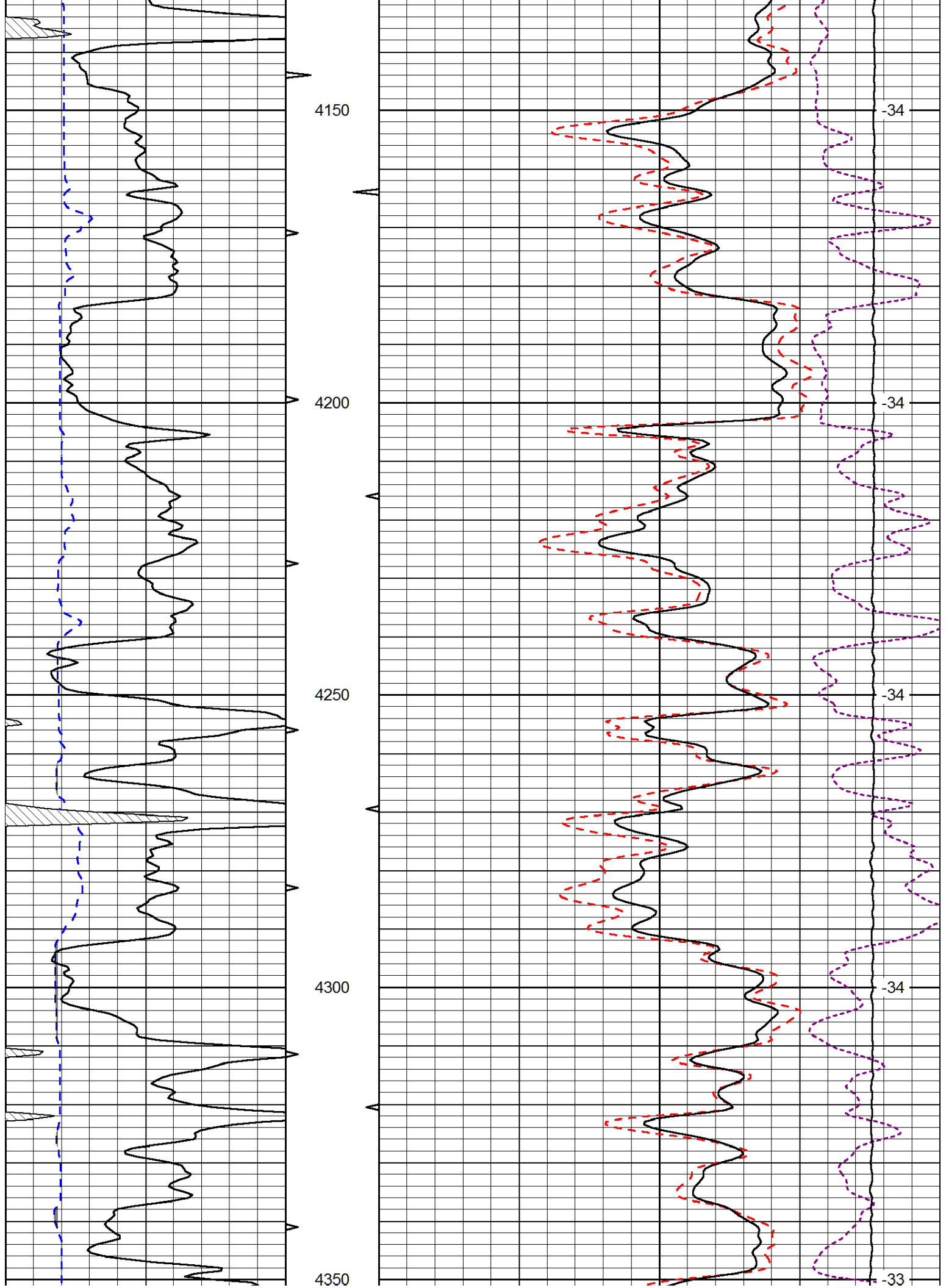
0	Gamma Ray	150
6	Caliper (GAPI)	16

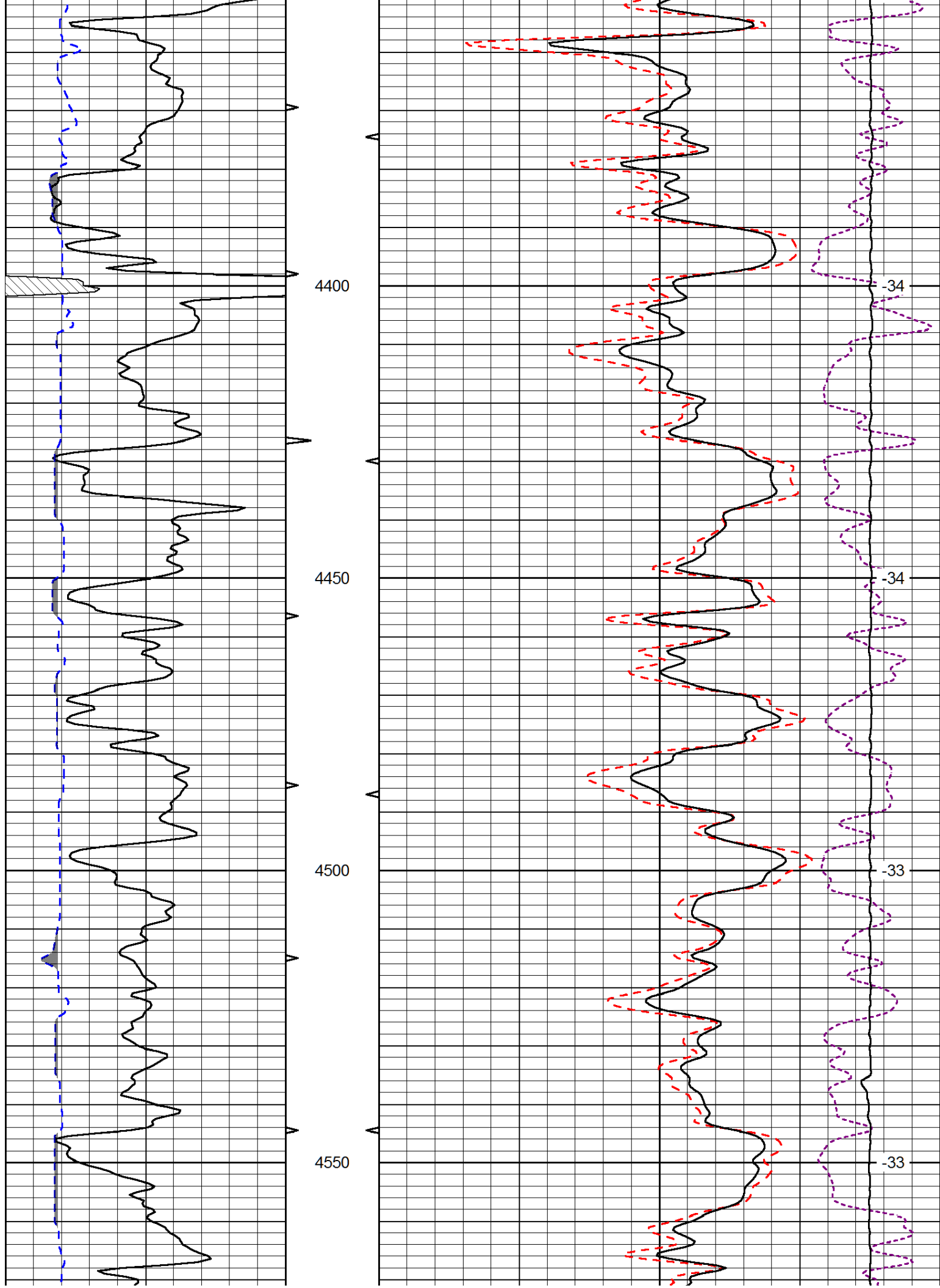
30	Compensated Density	-10
2	Bulk Density	3
15000	Line Tension	0
-0.25	Correction	0.25
LSPD		

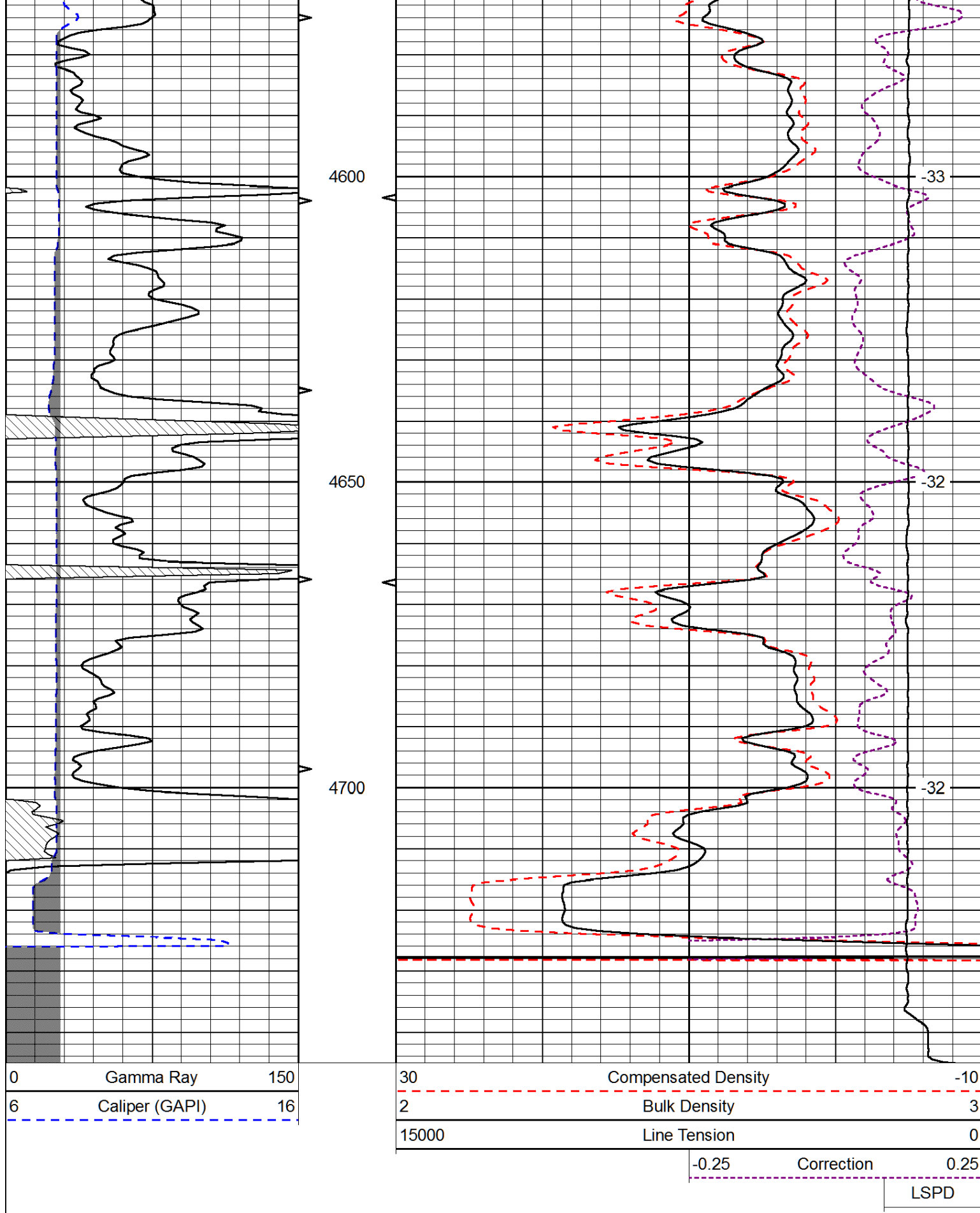












Database File: murfin_052214hd.db
Dataset Pathname: dil/mrfstck
Presentation Format: cndlspec
Dataset Creation: Thu May 22 19:42:32 2014
Checked by: Depth in Feet scaled 1:240

0	Gamma Ray	150	30	CNLS	-10
6	Caliper (GAPI)	16	30	Compensated Density (2.71 ma)	-10
			10000	Line Tension	0
				-0.25	Correction 0.25

