



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-193-20849-00-00

Company Prater Oil & Gas Operations, Inc.

Well Ottley #1-21

Field Wildcat

County Thomas

State Kansas

Location

SE SW SW NW
2448' FNL / 418' FWL

Sec: 21

Twp: 10S

Rge: 31W

Other Services
DIL/MEL

Permanent Datum Ground Level Elevation 2971
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 8/16/2012

Run Number One

Type Log CNL / CDL

Depth Driller 4665

Depth Logger 4670

Bottom Logged Interval 4659

Top Logged Interval 3600

Type Fluid In Hole Chemical

Salinity, PPM CL 3000

Density 9.4

Level Full

Max. Rec. Temp. F 123

Operating Rig Time 4 Hours

Equipment -- Location 15 Hays

Recorded By R. Barnhart

Witnessed By Scott Alberg

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

One 12.25 00 307 8.625 23# 00 307

Two 7.875 307 TD

<<< Fold Here >>>

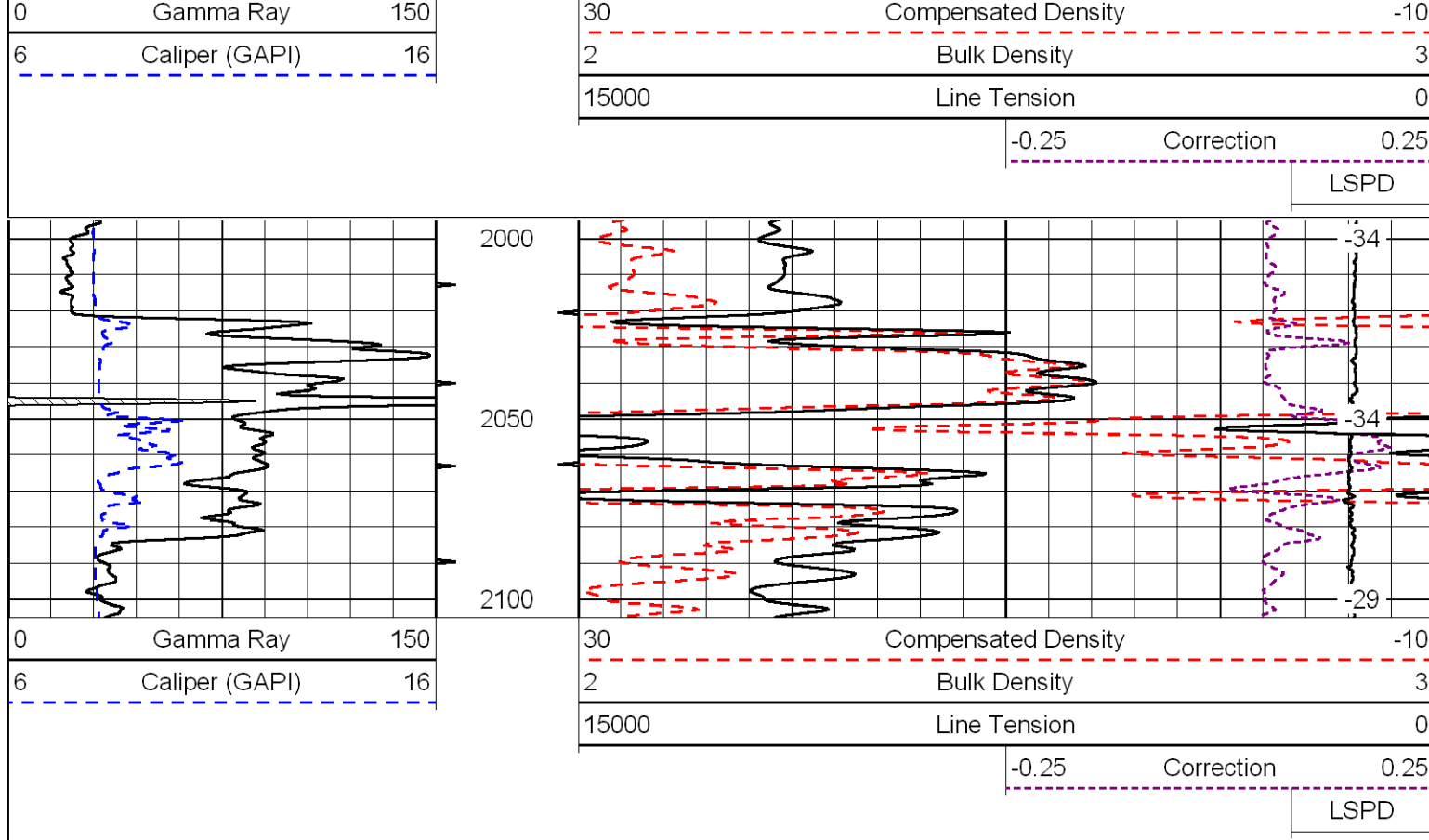
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

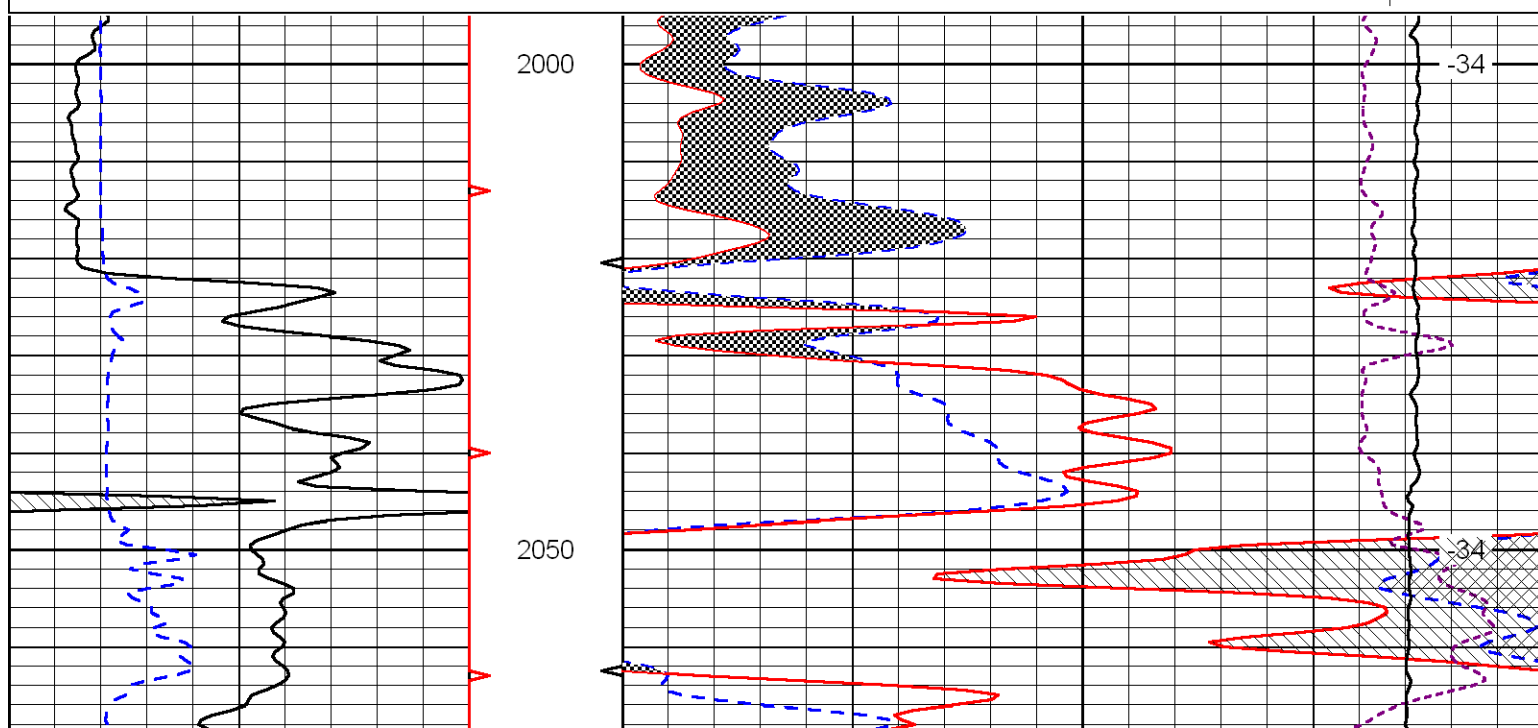
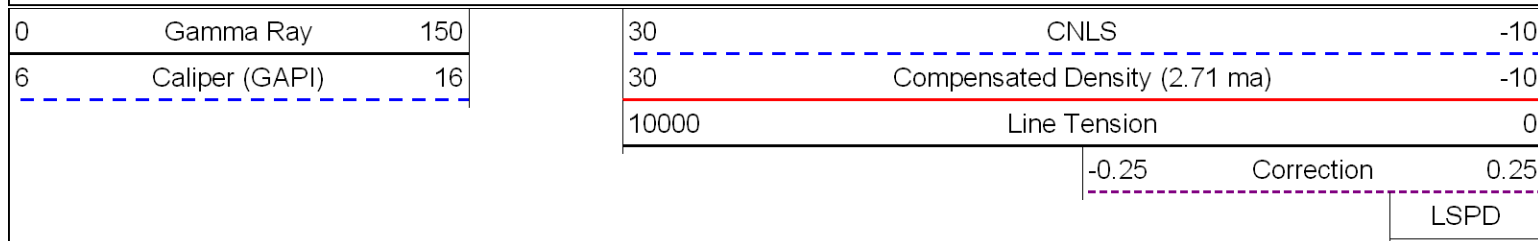
Thank you for using Log-Tech, Inc.
(785) 625-3858

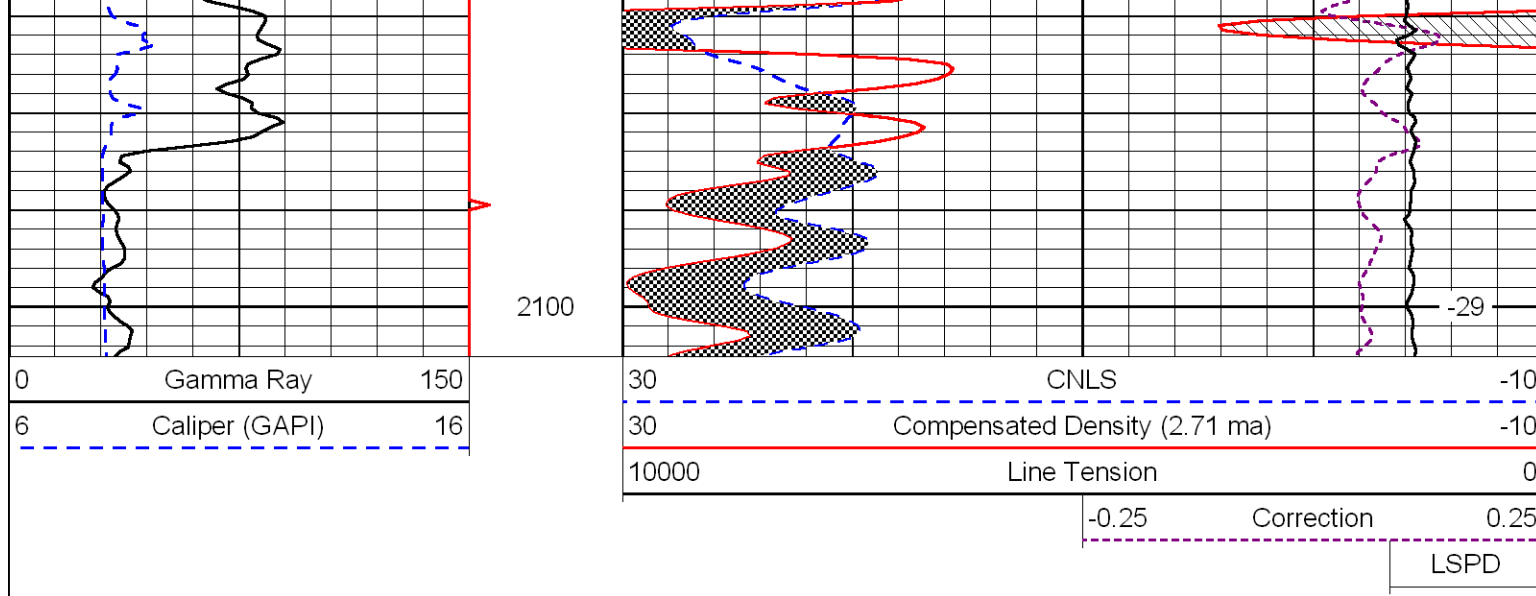
Oakley, KS:
I-70W to 2nd Exit: 100 yardsN, 4E, 1 1/2S, E into

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Dataset Pathname: dil/prmain
Presentation Format: cdl
Dataset Creation: Thu Aug 16 00:33:23 2012
Charted by: Depth in Feet scaled 1:600

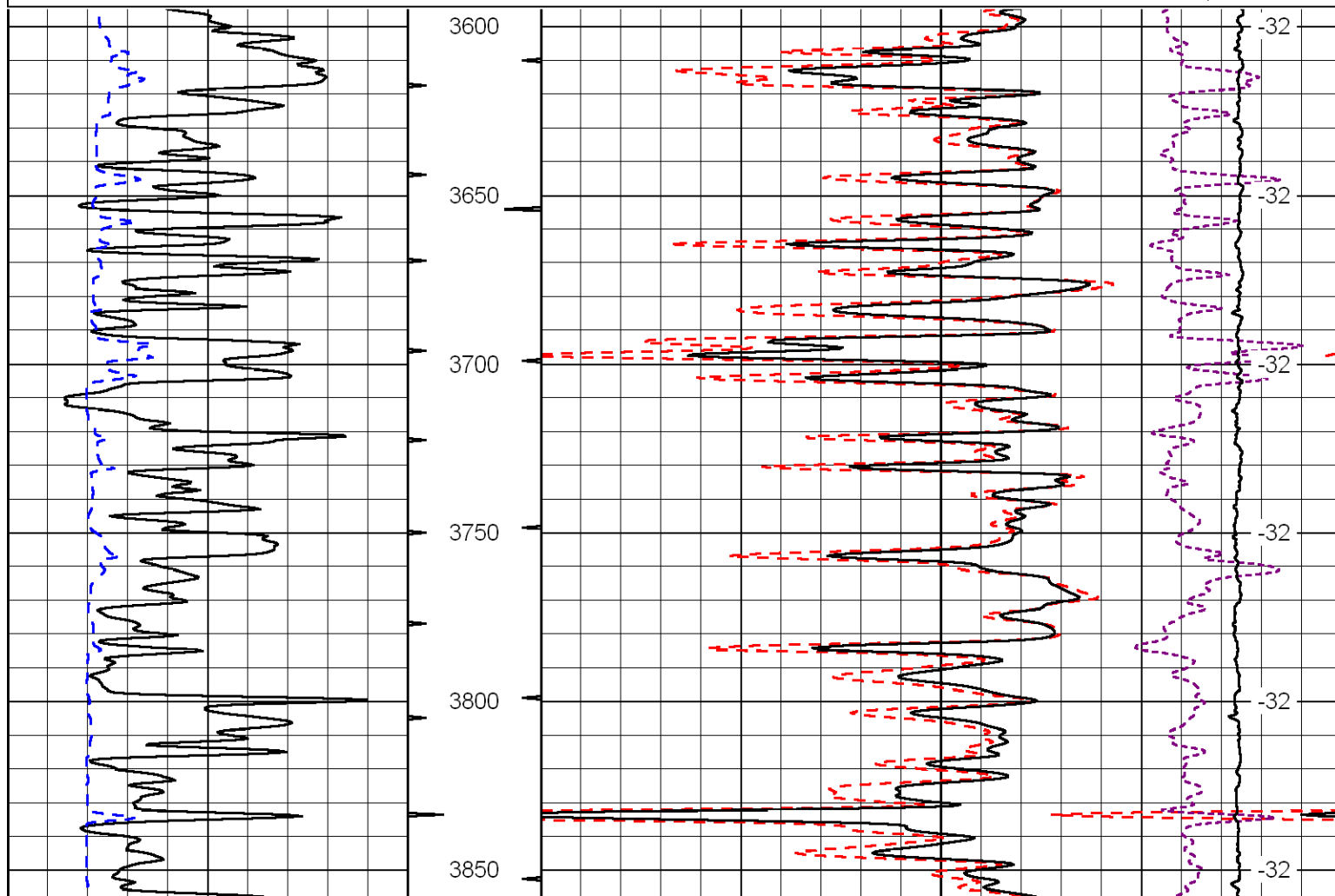
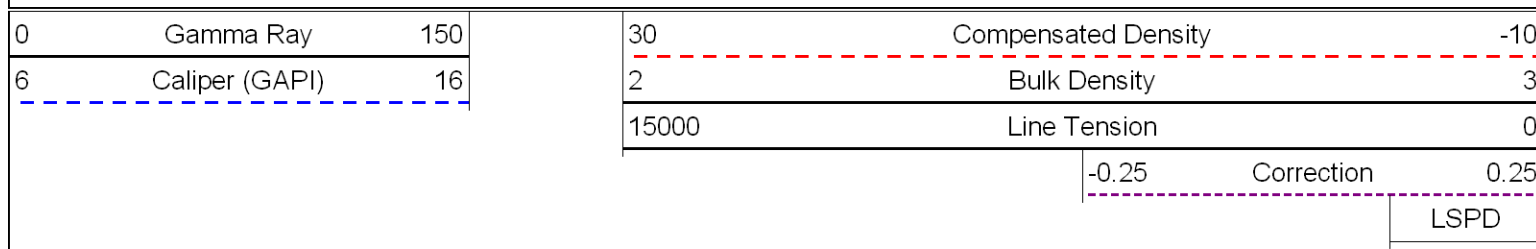


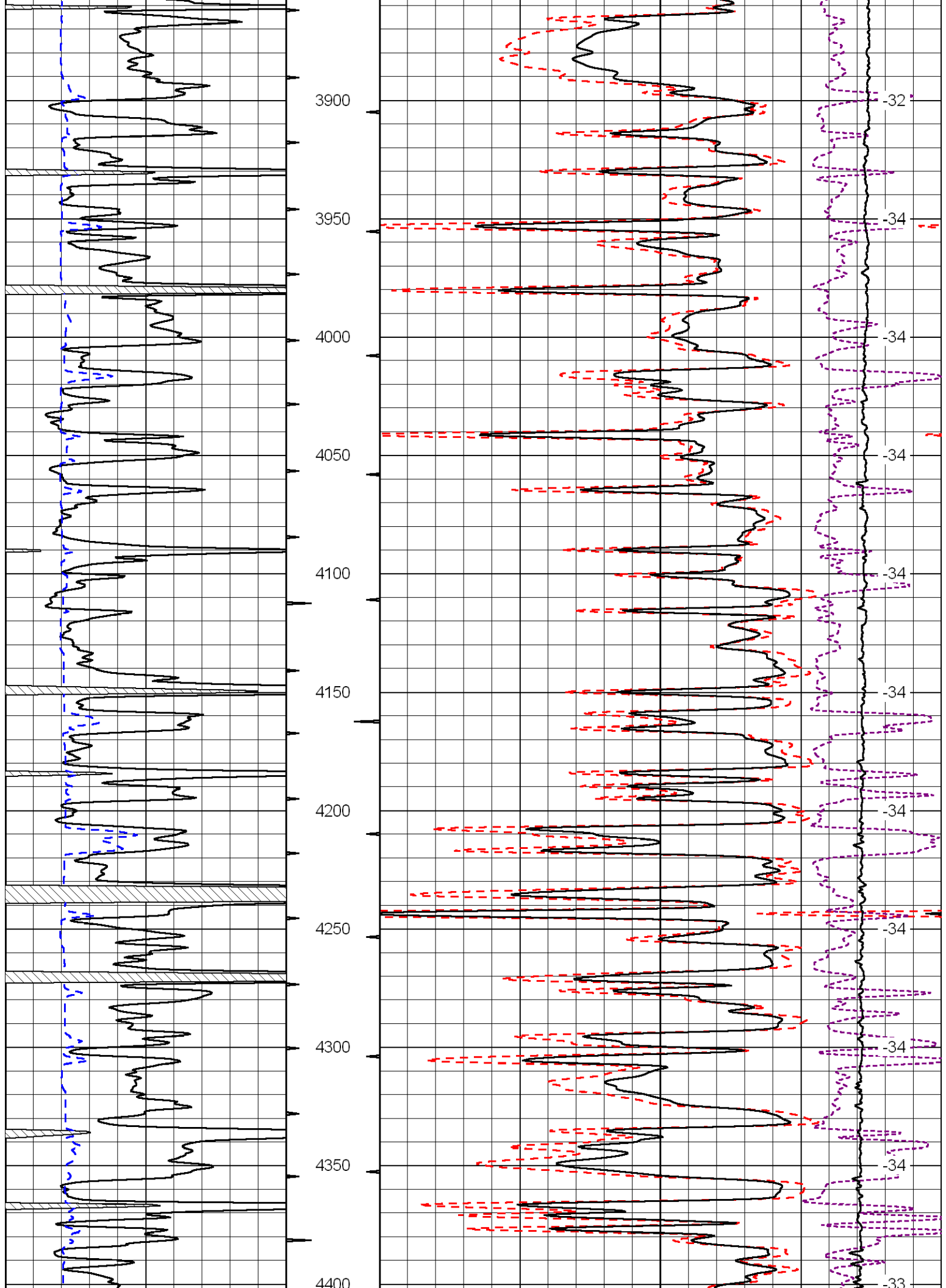
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 Dataset Creation: Thu Aug 16 00:33:23 2012
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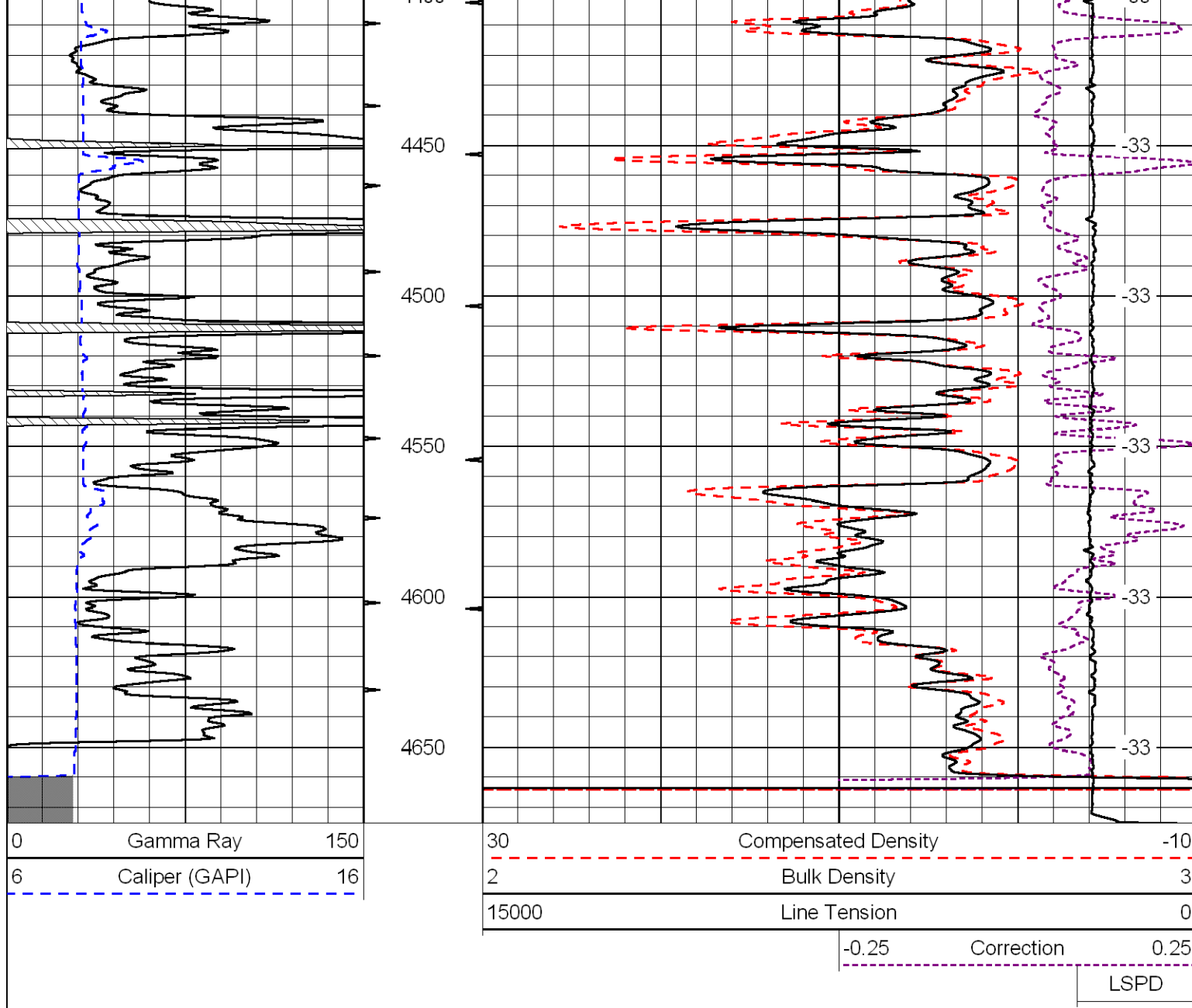




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