



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-009-25,775-00-00

Company **L.D. Drilling, Inc.**
Well **Peters #1-8**
Field **Chase-Silica**
County **Barton** State **Kansas**

Location **NE SE NW**
1,650' FNL & 2,310' FWL
Sec: **8** Twp: **20S** Rge: **11W**

Other Services
DIL
MEL

Permanent Datum
Log Measured From
Drilling Measured From

Elevation
K.B. 1781
D.F.
G.L. 1776

Date 11/12/2012

Run Number One

Type Log CNL / CDL

Depth Driller 3410

Depth Logger 3409

Bottom Logged Interval 3388

Top Logged Interval 2800

Type Fluid In Hole Chemical

Salinity, PPM CL 5000

Density 9.3

Level Full

Max. Rec. Temp. F 110

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Josh Austin

Borehole Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 427 8.625 24# 00 427

2 7.875 427 3410

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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.

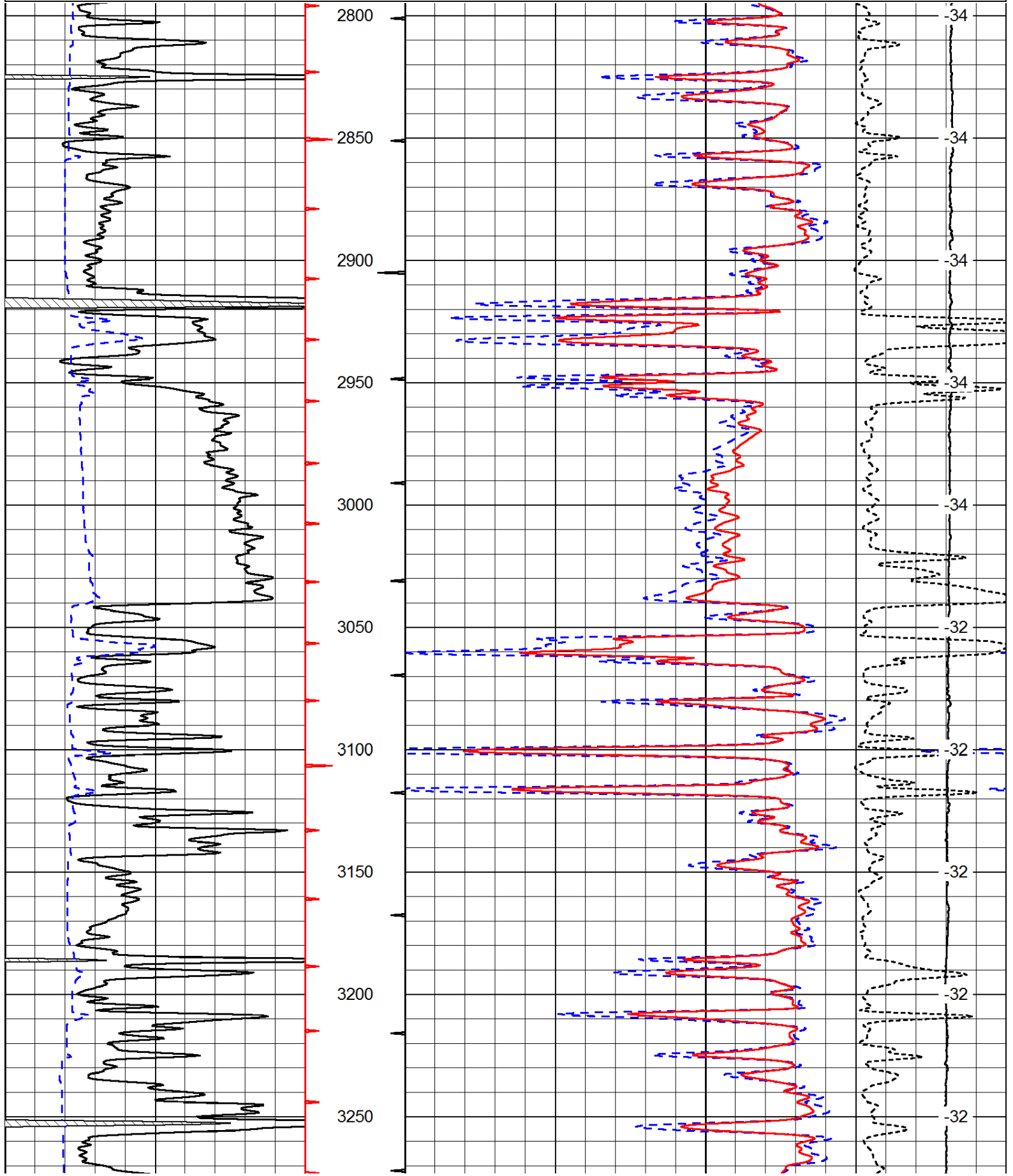
Comments

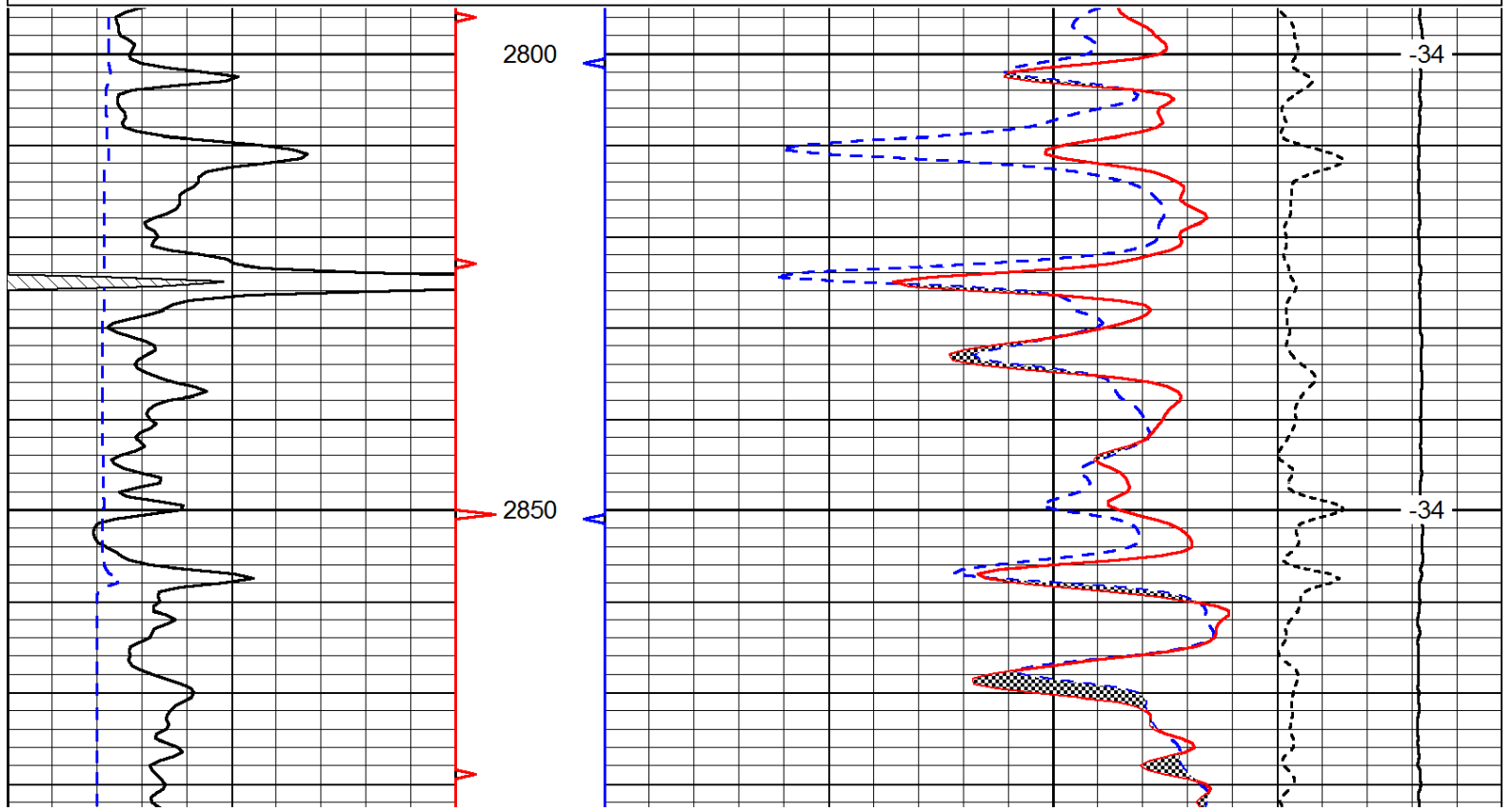
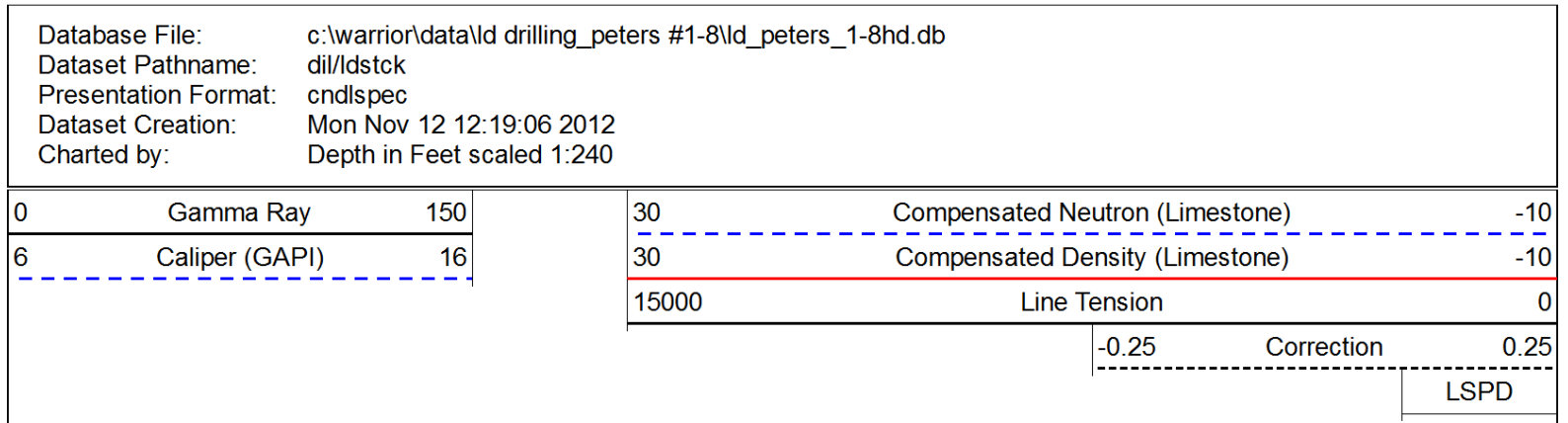
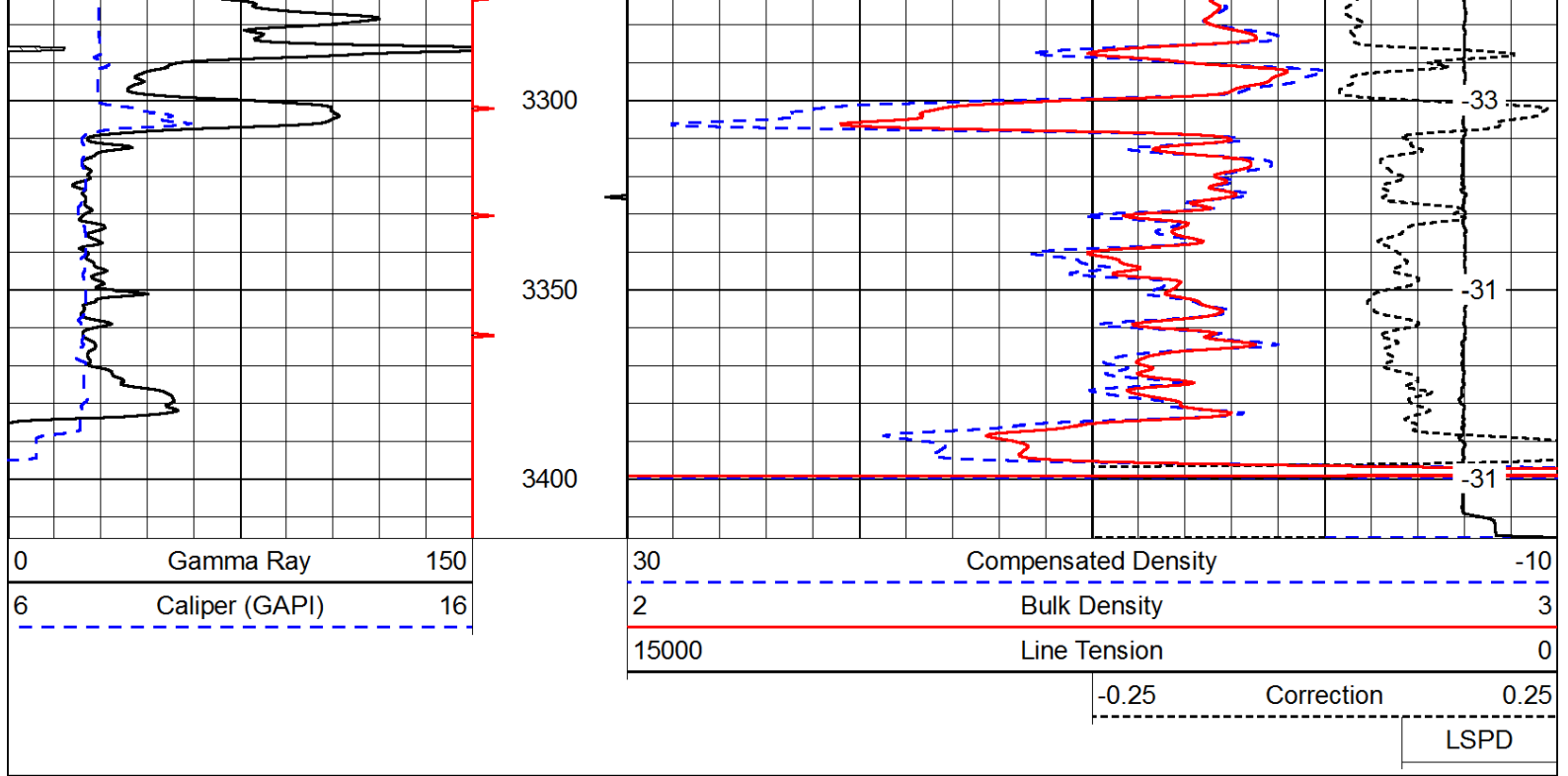
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

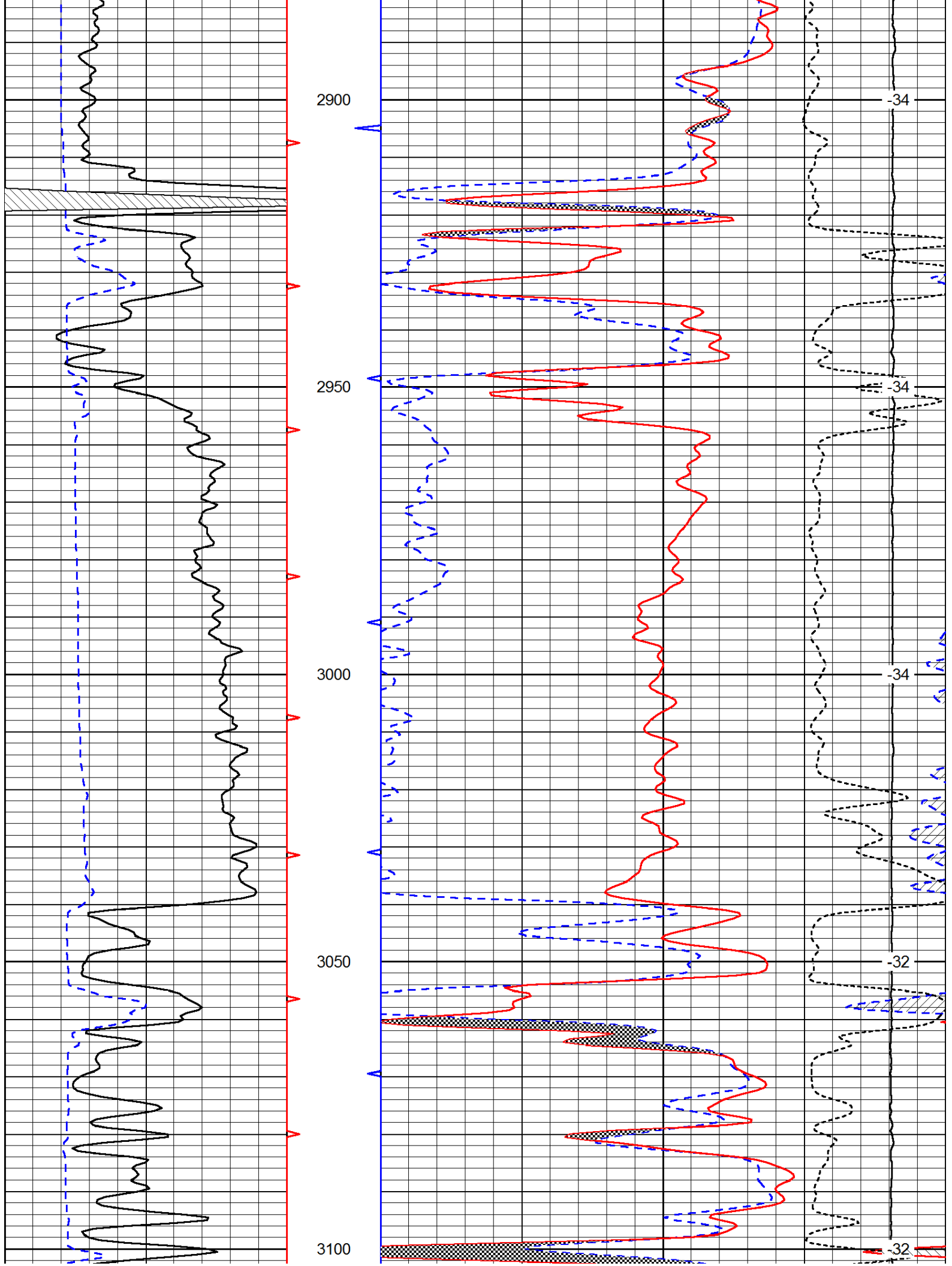
Ellinwood, South to Curve (SE 20th Road), 1 East, South Into

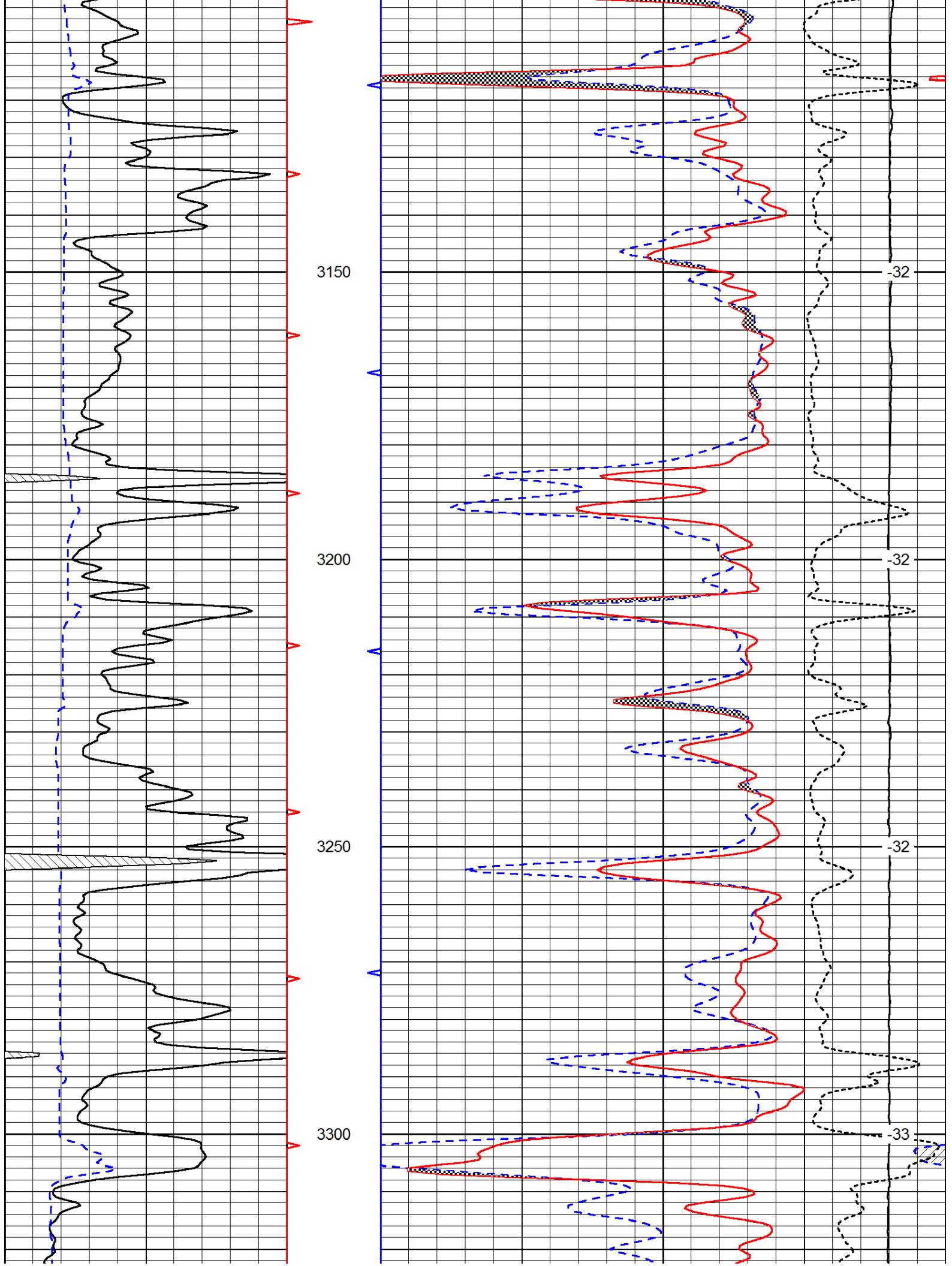
Database File: c:\warrior\data\ld drilling_peters #1-8\ld_peters_1-8hd.db
Dataset Pathname: dil\ldstck
Presentation Format: cdl
Dataset Creation: Mon Nov 12 12:19:06 2012
Charted by: Depth in Feet scaled 1:600

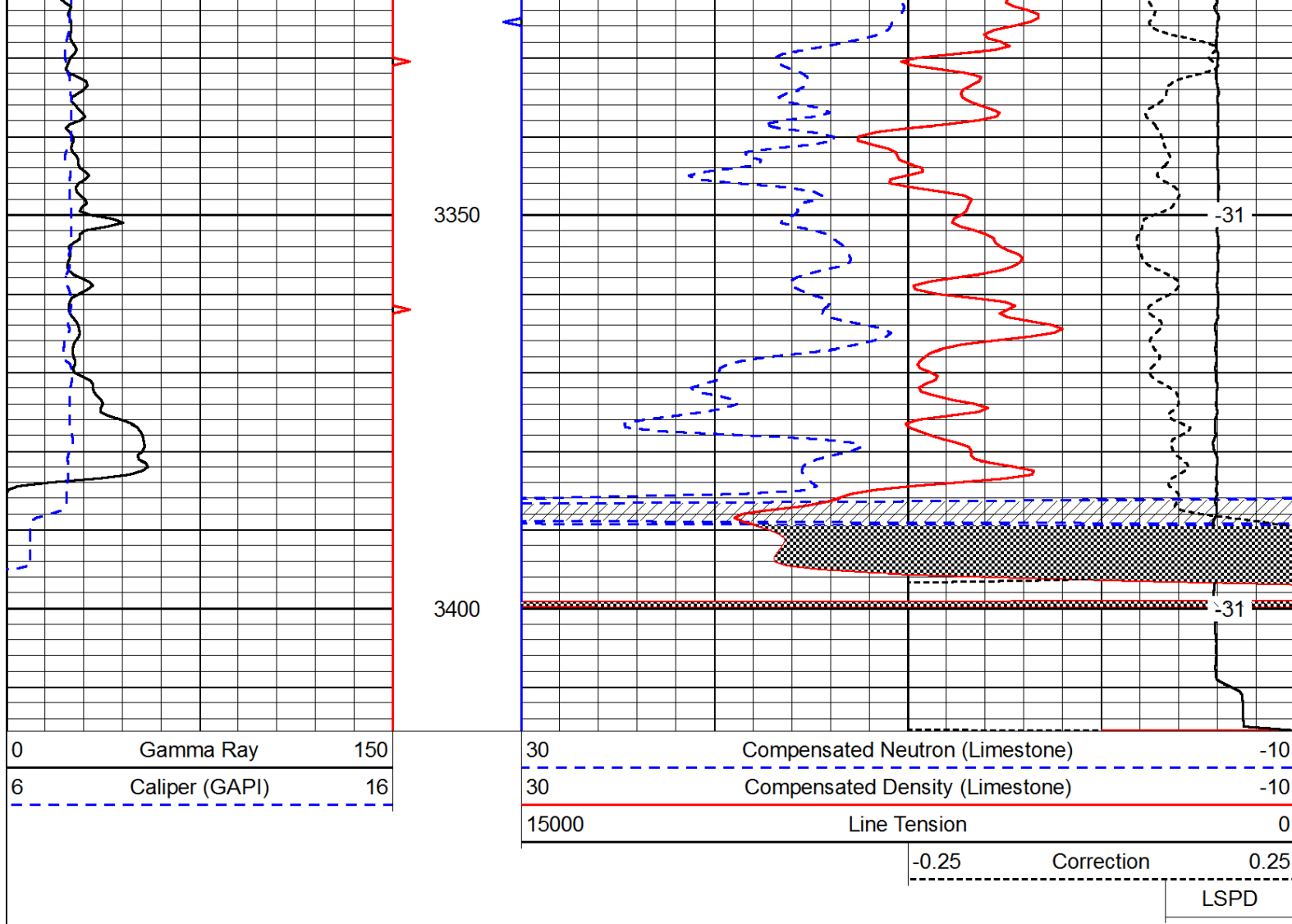
Charted by: Depth in Feet scaled 1:600					
0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			-0.25 Correction 0.25		
			LSPD		





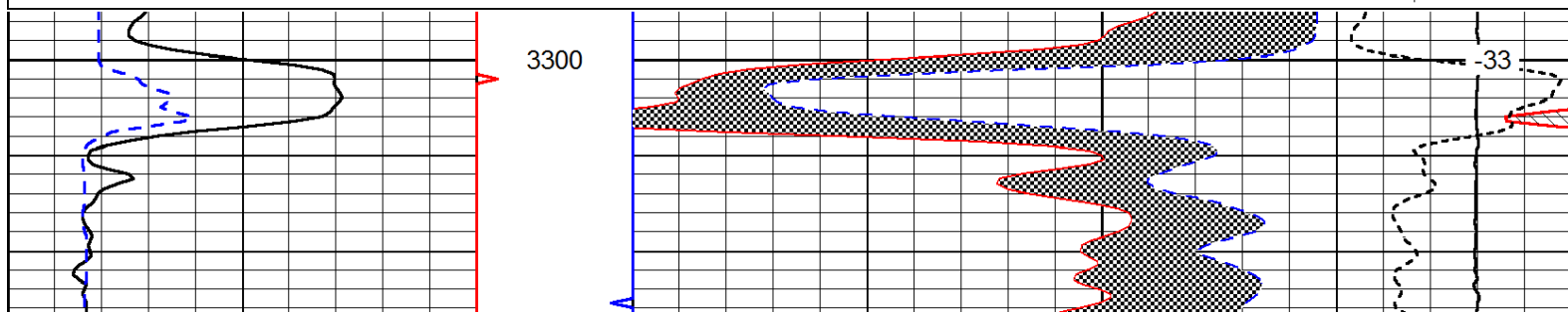
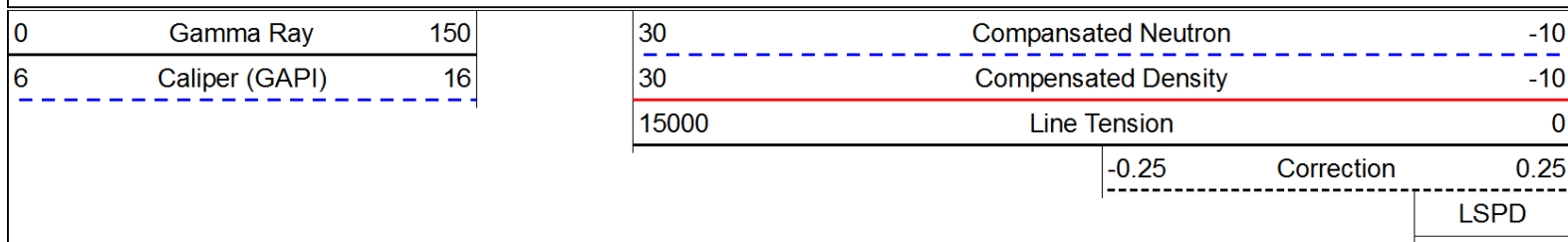


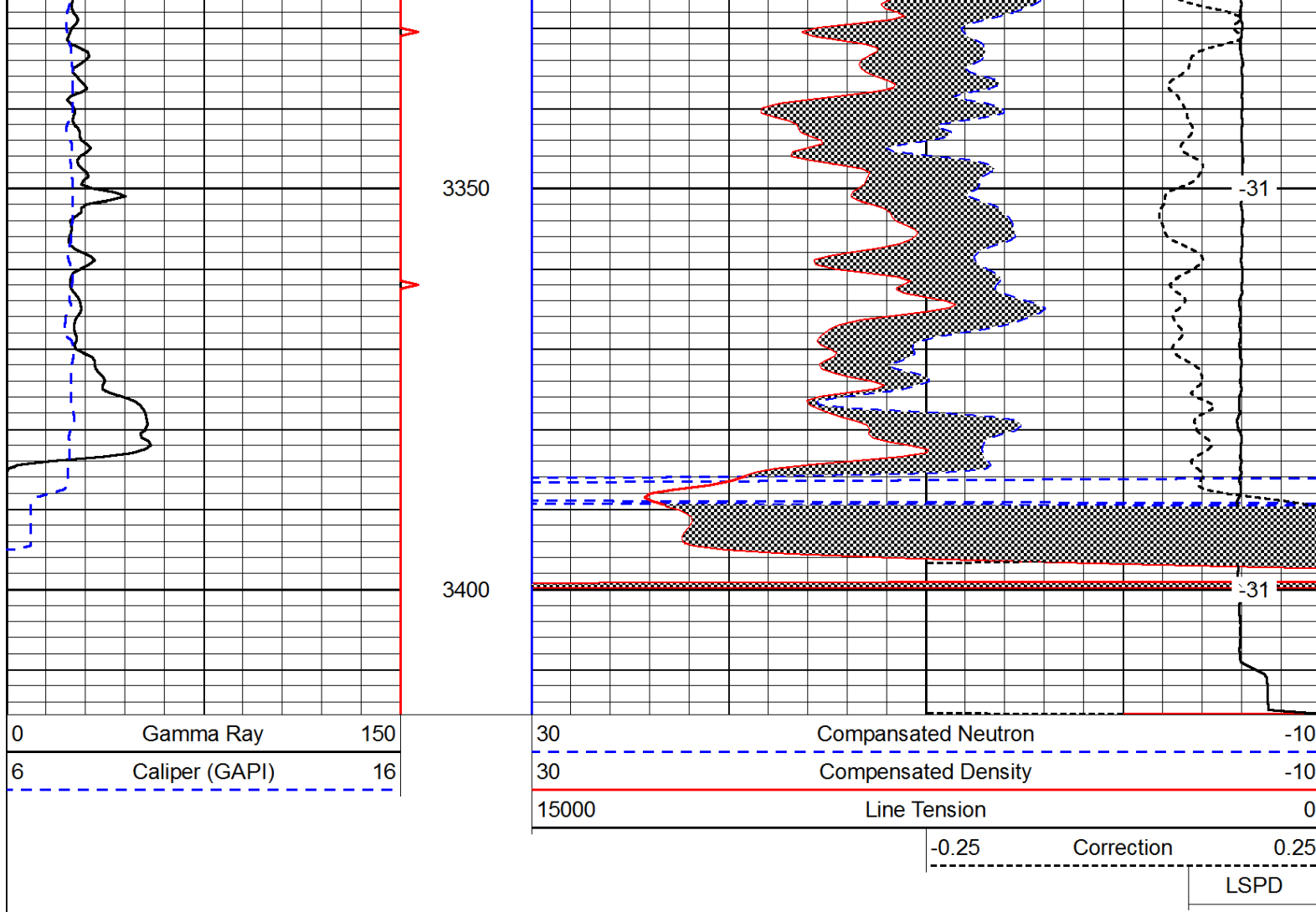




Dolomite Matrix (2.83)

Database File: c:\warrior\data\ld drilling_peters #1-8\ld_peters_1-8hd.db
 Dataset Pathname: dil\ld283
 Presentation Format: cndldolo
 Dataset Creation: Mon Nov 12 12:19:05 2012
 Charted by: Depth in Feet scaled 1:240





Dolomite Matrix (2.87)

Database File: c:\warrior\data\ld drilling_peters #1-8\ld_peters_1-8hd.db
 Dataset Pathname: dil\ld287
 Presentation Format: cndldolo
 Dataset Creation: Mon Nov 12 12:19:05 2012
 Charted by: Depth in Feet scaled 1:240

