



Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-009-26,000-00-00

Company H&D Exploration, LLC

Well Marlene #1

Field Ash Creek

County Barton

State Kansas

Location

2167' FSL & 500' FEL

Sec: 31

Twp: 20S

Rge: 15W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 2002
8 Ft. Above Perm. Datum

Elevation

K.B. 2010
D.F.
G.L. 2002

Other Services
DIL
MEL

Date

7/12/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

3925

Depth Logger

3925

Bottom Logged Interval

3904

Top Logged Interval

3100

Type Fluid In Hole

Chemical

Salinity, PPM CL

4.000

Density

8.9

Level

Full

Max. Rec. Temp. F

115

Operating Rig Time

3 Hours

Equipment -- Location

17 Days

Recorded By

C. Desaire

Witnessed By

Kurt Talbott

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1 12.25

00

1010

8.625

24#

00

1010

2 7.875

1010

3925

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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

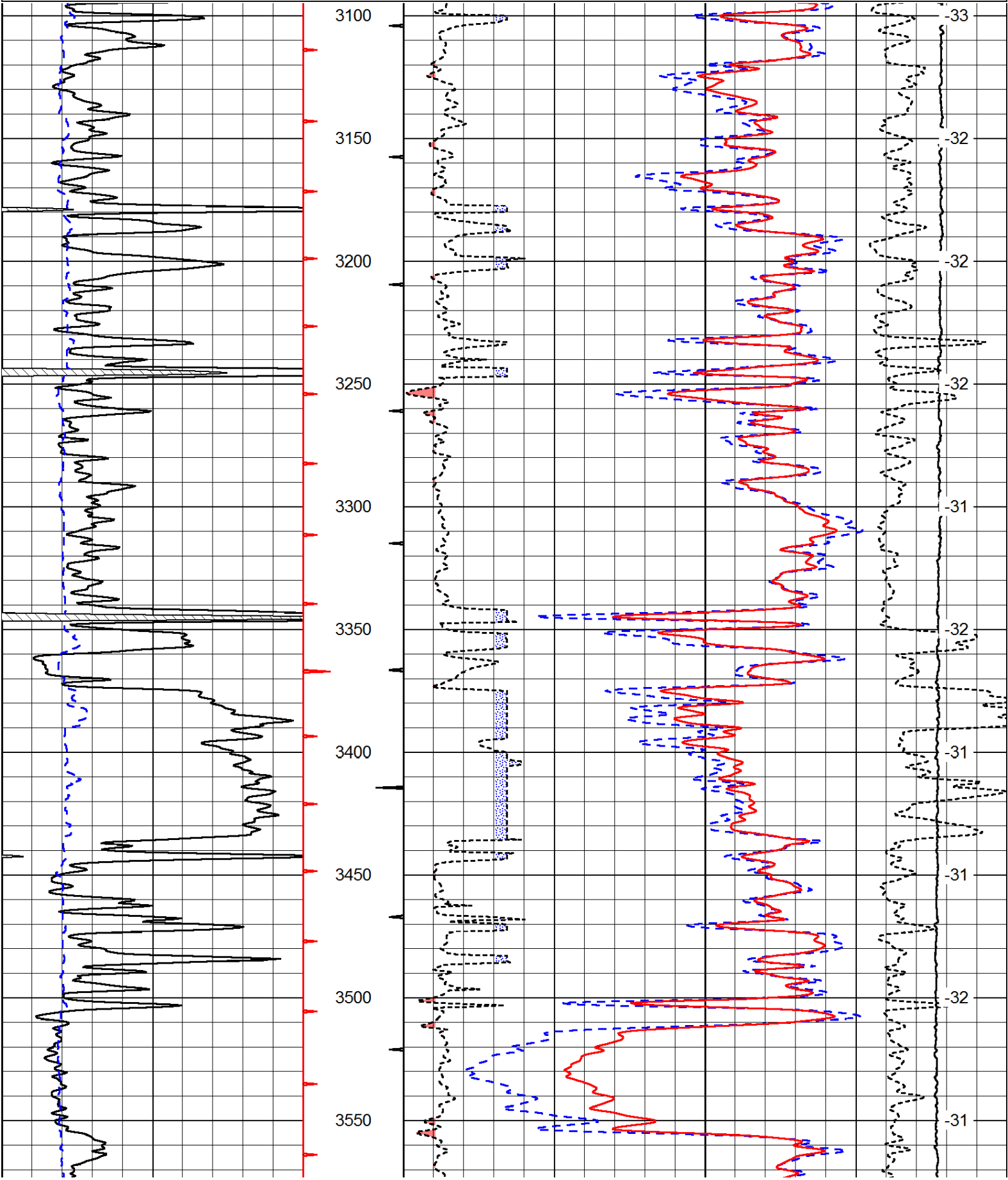
Pawnee Rock, 1 1/2 W on 70th Rd,
1 N, W Into

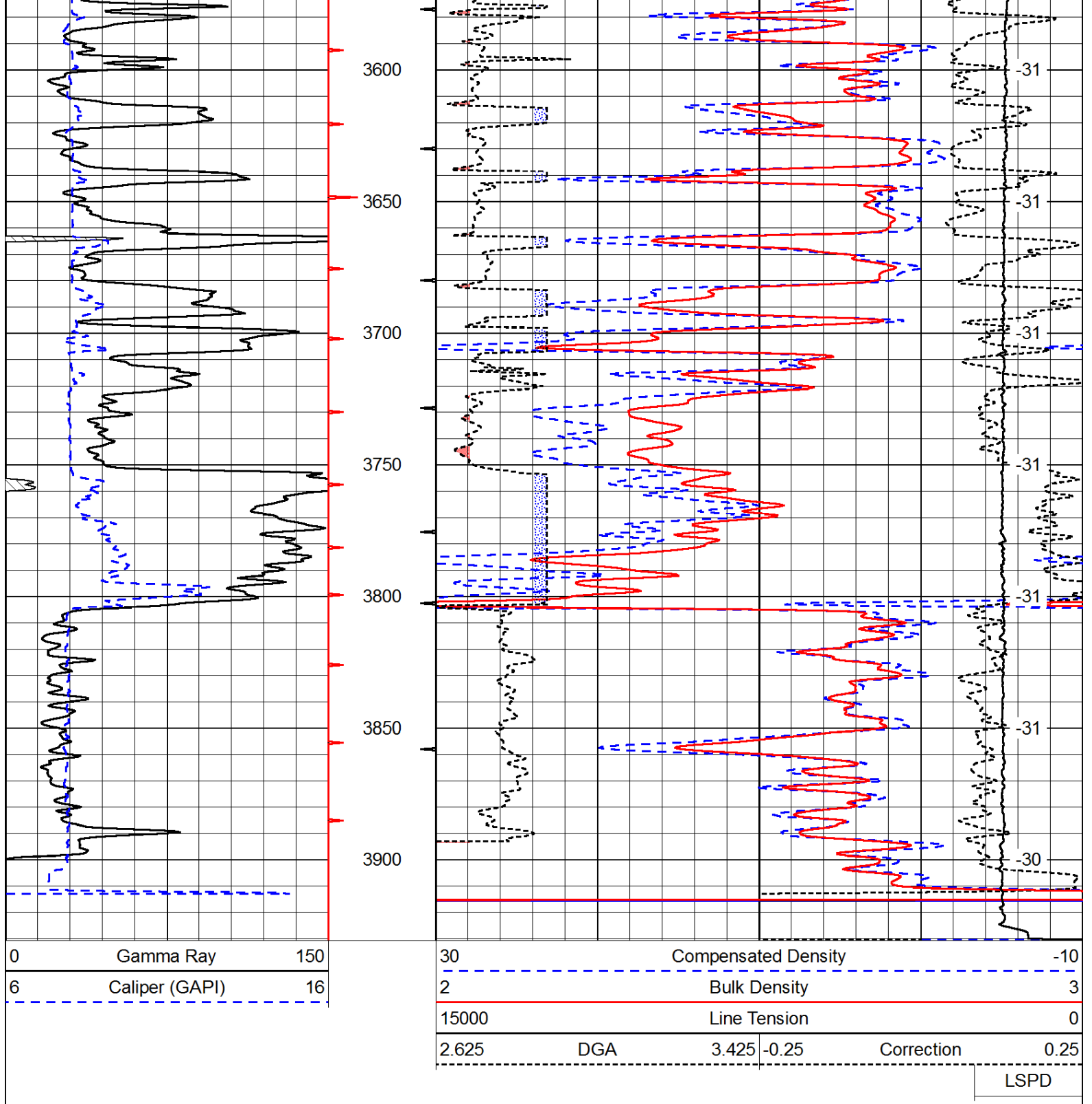
Database File: c:\warrior\data\h&d_marlene #1\hdhd.db
Dataset Pathname: dil/hdstk
Presentation Format: cdl
Dataset Creation: Sat Jul 12 12:49:58 2014
Charted by: Depth in Feet scaled 1:600

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			





Database File: c:\warrior\data\h&d_marlene #1\hdhd.db
Dataset Pathname: dil/hdstk
Presentation Format: cndlspec
Dataset Creation: Sat Jul 12 12:49:58 2014
Charted by: Depth in Feet scaled 1:240

