



Pioneer Energy Services

Dual Compensated Porosity Log

15-009-25,754-00-00

API No.

Company L.D. Drilling, Inc.

Well Hammeke-Mary S Unit #1-9

Field Knop

County Barton

State Kansas

Location

2350' FNL & 850' FEL

Sec: 9

Twp: 19S

Rge: 12W

Permanent Datum Ground Level Elevation 1824
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation

K.B. 1829
D.F. 1829
G.L. 1824

Other Services
DIL
MEL

Date

10/1/2012

Run Number

One

Type Log

CNL / CDL

Depth Driller

3434

Depth Logger

3433

Bottom Logged Interval

34321

Top Logged Interval

2800

Type Fluid In Hole

Chemical

Salinity, PPM CL

30.000

Density

9.3

Level

Full

Max. Rec. Temp. F

110

Operating Rig Time

3 1/2 Hours

Equipment -- Location

17 Hays

Recorded By

C. Desaire

Witnessed By

Josh Austin

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

305

8.625

24#

00

305

2

7.875

305

3434

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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.

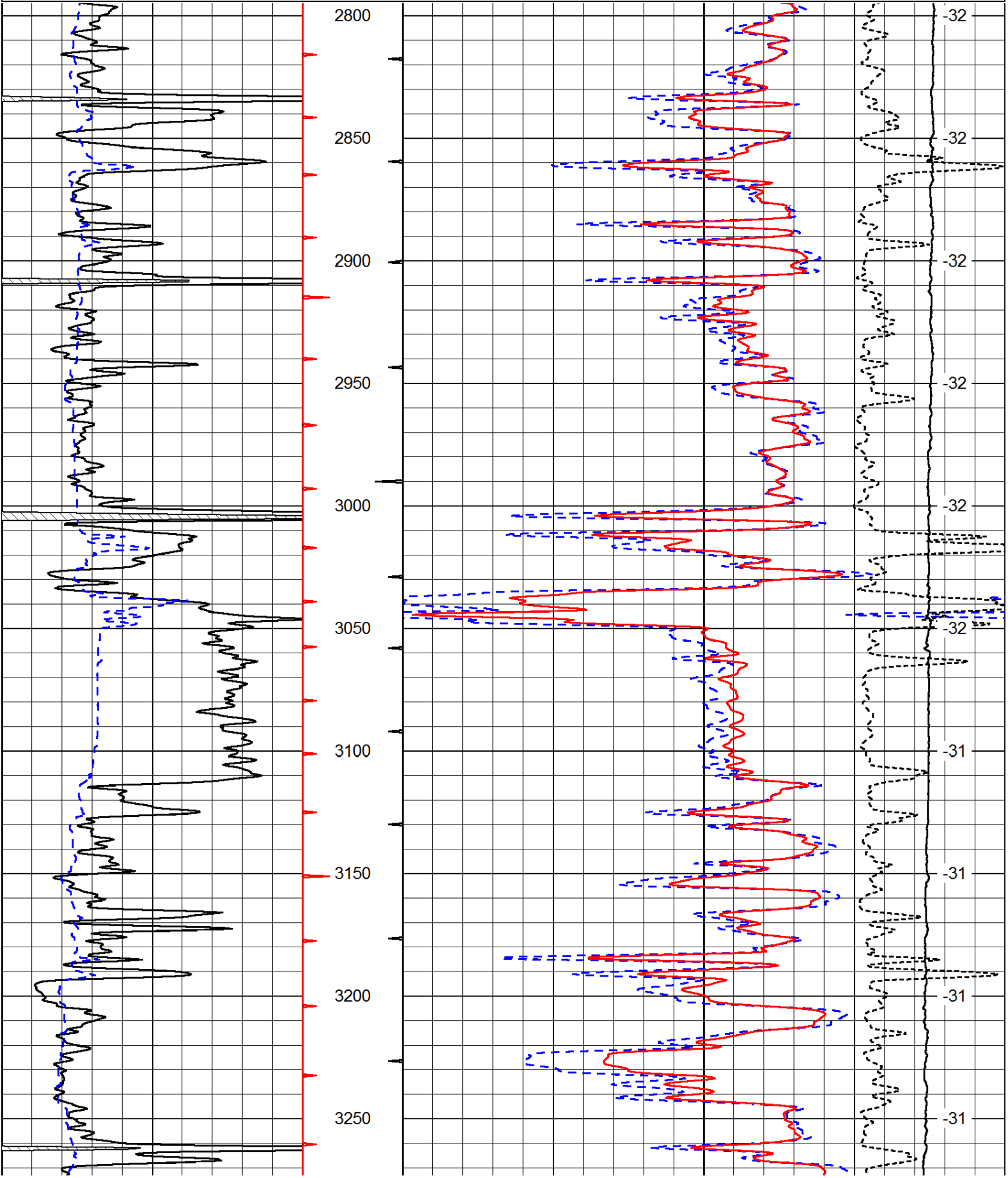
Comments

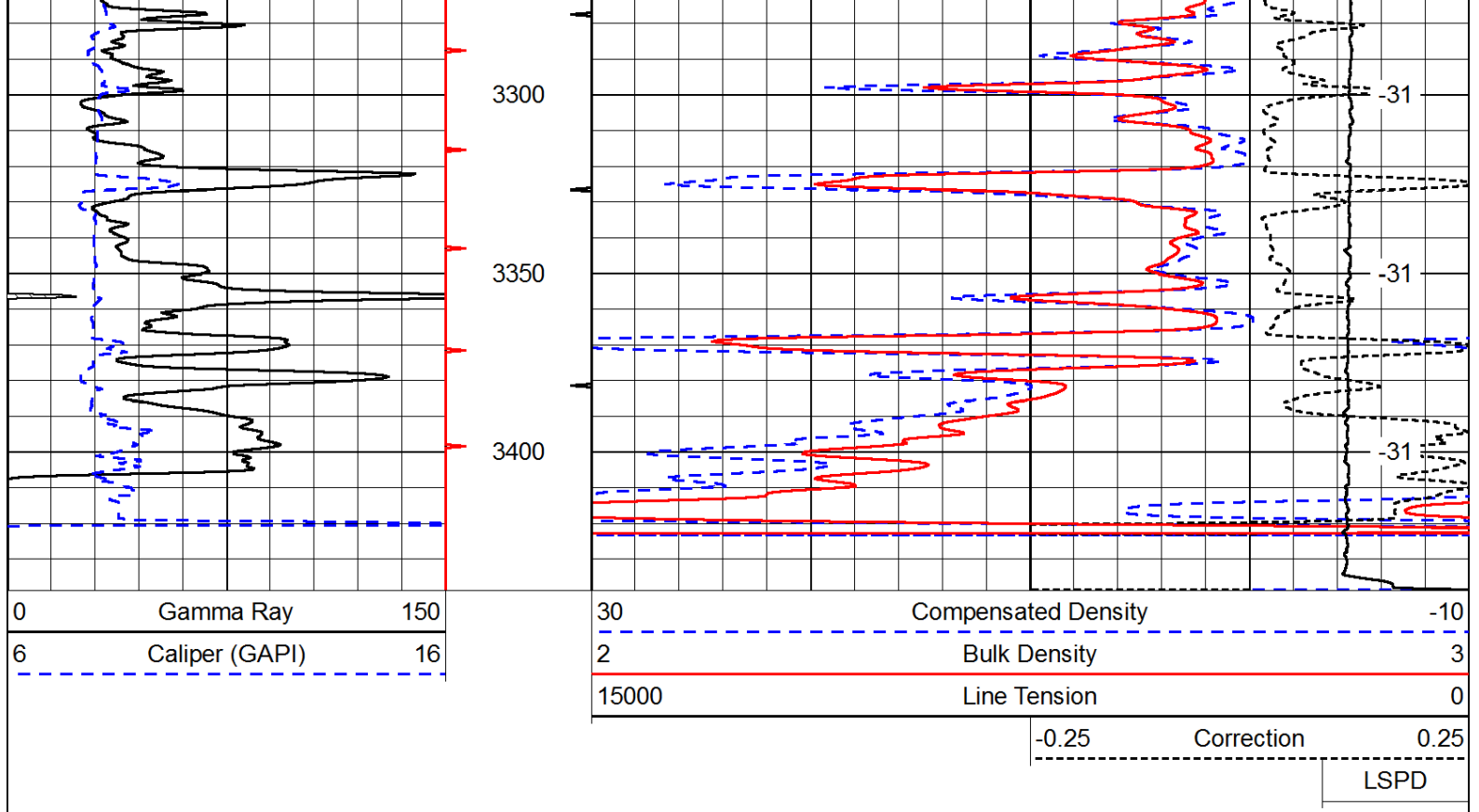
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Hoisington KS, S to 30 Rd(College Rd)
E to Hwy 156, 1 E, 1/2 N, W Into

Database File: c:\warrior\data\ld drilling_hammeke-mary s unit #1-9\ldhd.db
Dataset Pathname: dil\ldstk
Presentation Format: cdl
Dataset Creation: Mon Oct 01 16:11:57 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		





Database File: c:\warrior\data\ld drilling_hammeke-mary s unit #1-9\ldhd.db
Dataset Pathname: dil\ldstk
Presentation Format: cndlspec
Dataset Creation: Mon Oct 01 16:11:57 2012
Charted by: Depth in Feet scaled 1:240

