



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-065-24,020-00-00

Company Culbreath Oil & Gas Company, Inc.

Well Toll #1-9

Field

County Graham

State Kansas

Location

2,600' FNL & 1,980' FWL

Sec: 9

Twp: 8S

Rge: 25W

Other Services
DIL
MEI/BHCS

Permanent Datum

Log Measured From Kelly Bushing

Elevation 2406

K.B. 2416
D.F. 2406
G.L. 2406

Date

4/6/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

3950

Depth Logger

3950

Bottom Logged Interval

3929

Top Logged Interval

3400

Type Fluid In Hole

Chemical

Salinity, PPM CL

1800

Density

9.1

Level

Full

Max. Rec. Temp. F

116

Operating Rig Time

5 Hours

Equipment -- Location

108 Hays

Recorded By

J. Long

Witnessed By

Steve Murphy

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1 12.25 00 261 8.625 24# 00 261

2 7.875 261 3950

<<< 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

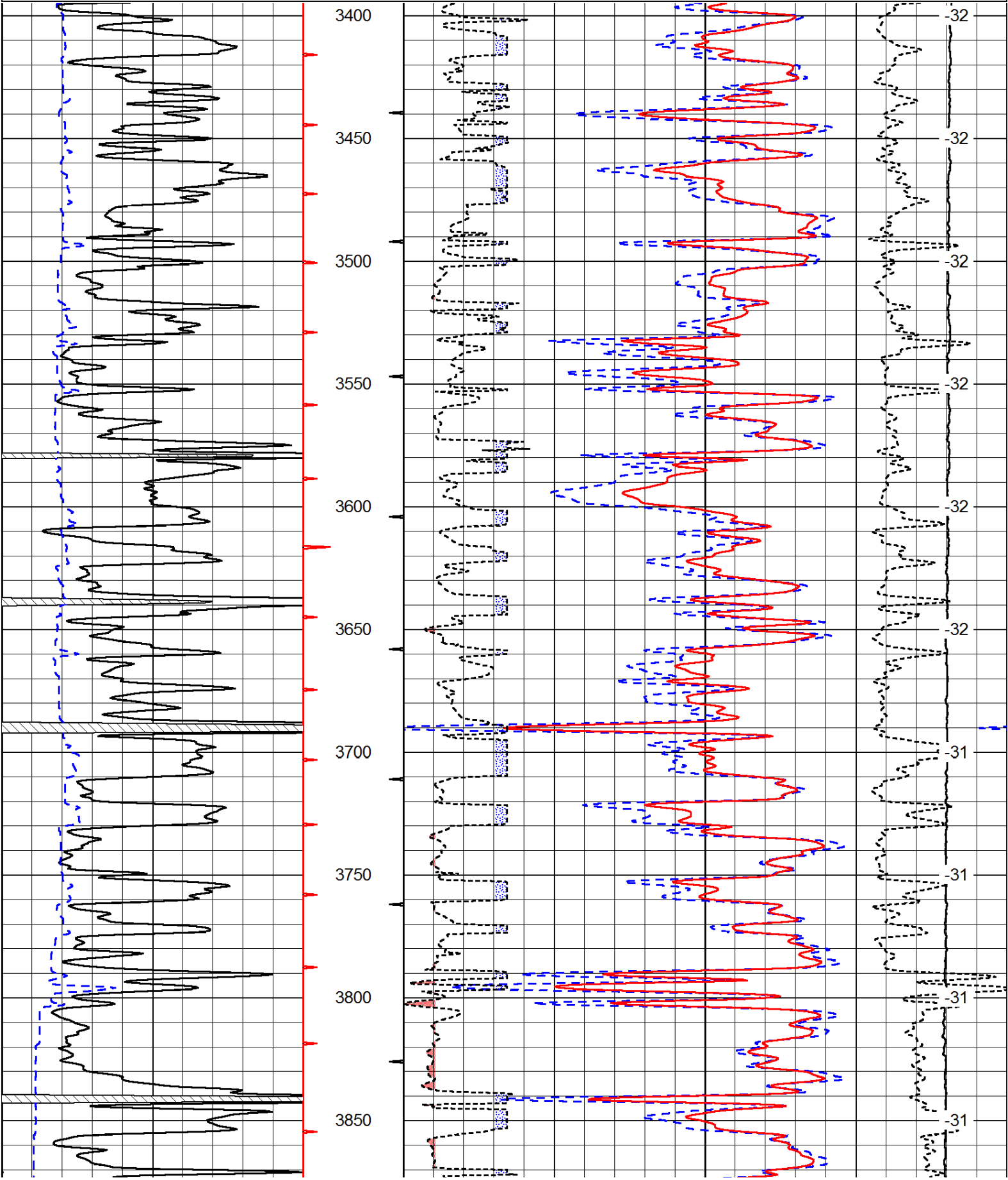
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

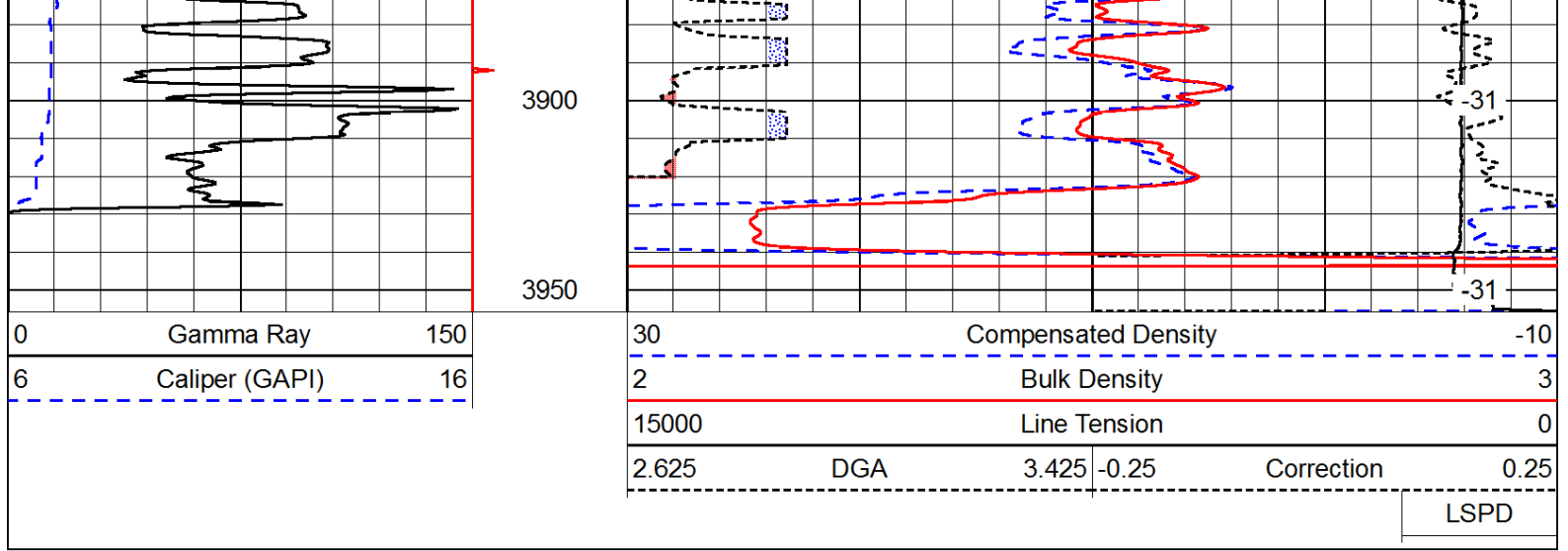
Hill City, 14 West (Antelope Lake Road), 1/2 North, 100 Yards West,
West & South Into

Database File: c:\warrior\data\culbreath_toll # 1-9\culbreath_toll_1-9hd.db
Dataset Pathname: dil/culstck
Presentation Format: cdl
Dataset Creation: Sun Apr 06 04:42:02 2014
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\culbreath_toll # 1-9\culbreath_toll_1-9hd.db
Dataset Pathname: dil/culstck
Presentation Format: cndlspec
Dataset Creation: Sun Apr 06 04:42:02 2014
Charted by: Depth in Feet scaled 1:240

