



Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-179-21,355-00-00

Company Culbreath Oil & Gas Company, Inc.

Well Mader #3-1

Field

County Sheridan

State Kansas

Location

990' FNL & 1,980' FWL

Other Services
DIL
MEL

Sec: 2

Twp: 10S

Rge: 20W

Elevation

Permanent Datum Ground Level Elevation 2574
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2581
D.F.
G.L. 2574

Date

4/17/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

4125

Depth Logger

4125

Bottom Logged Interval

4104

Top Logged Interval

3500

Type Fluid In Hole

Chemical

Salinity, PPM CL

3800

Density

9.2

Level

Full

Max. Rec. Temp. F

117

Operating Rig Time

4 Hours

Equipment -- Location

108 Hays

Recorded By

J. Long

Witnessed By

Steve Murphy

Anthony Lune

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

4125

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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

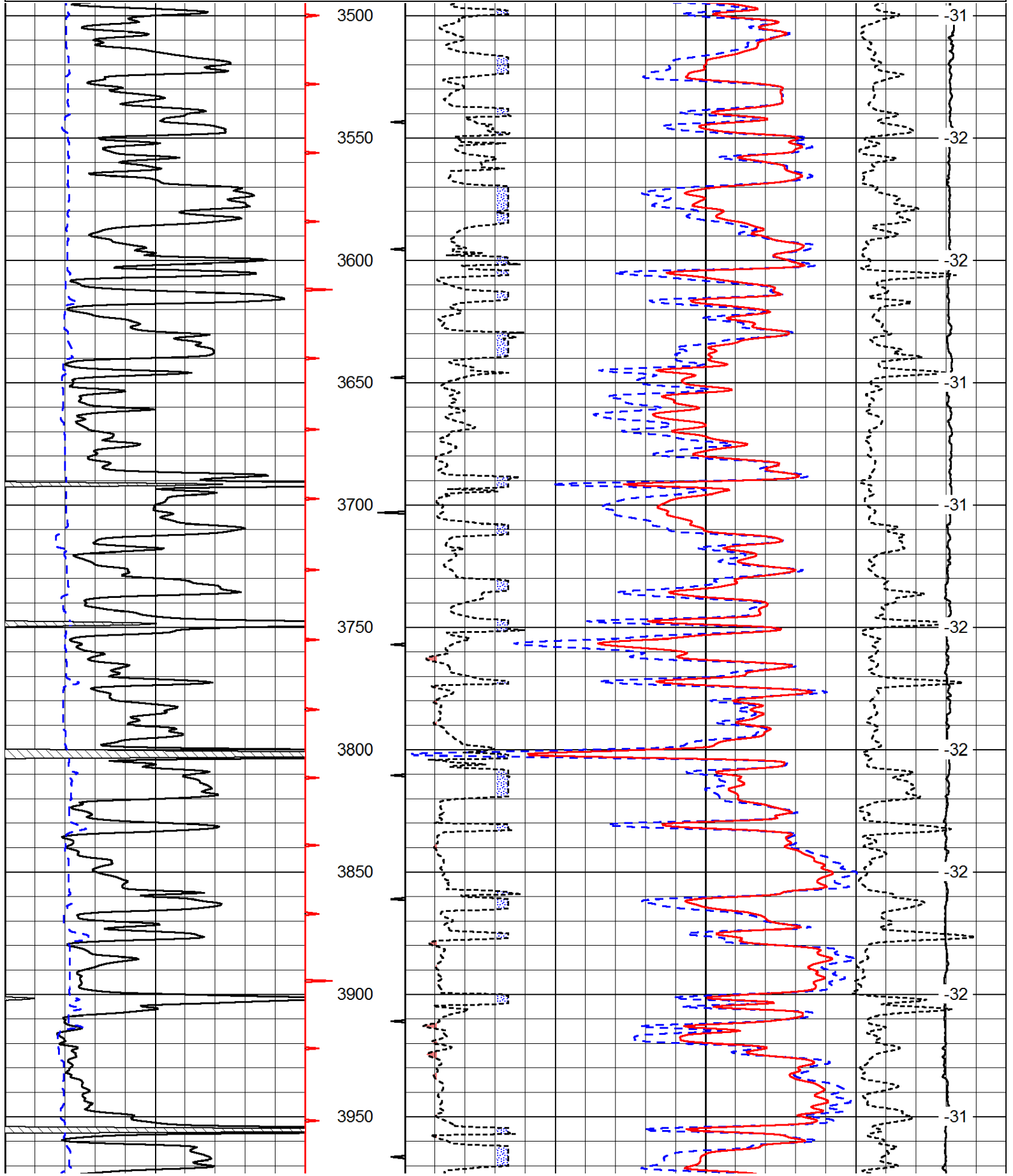
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

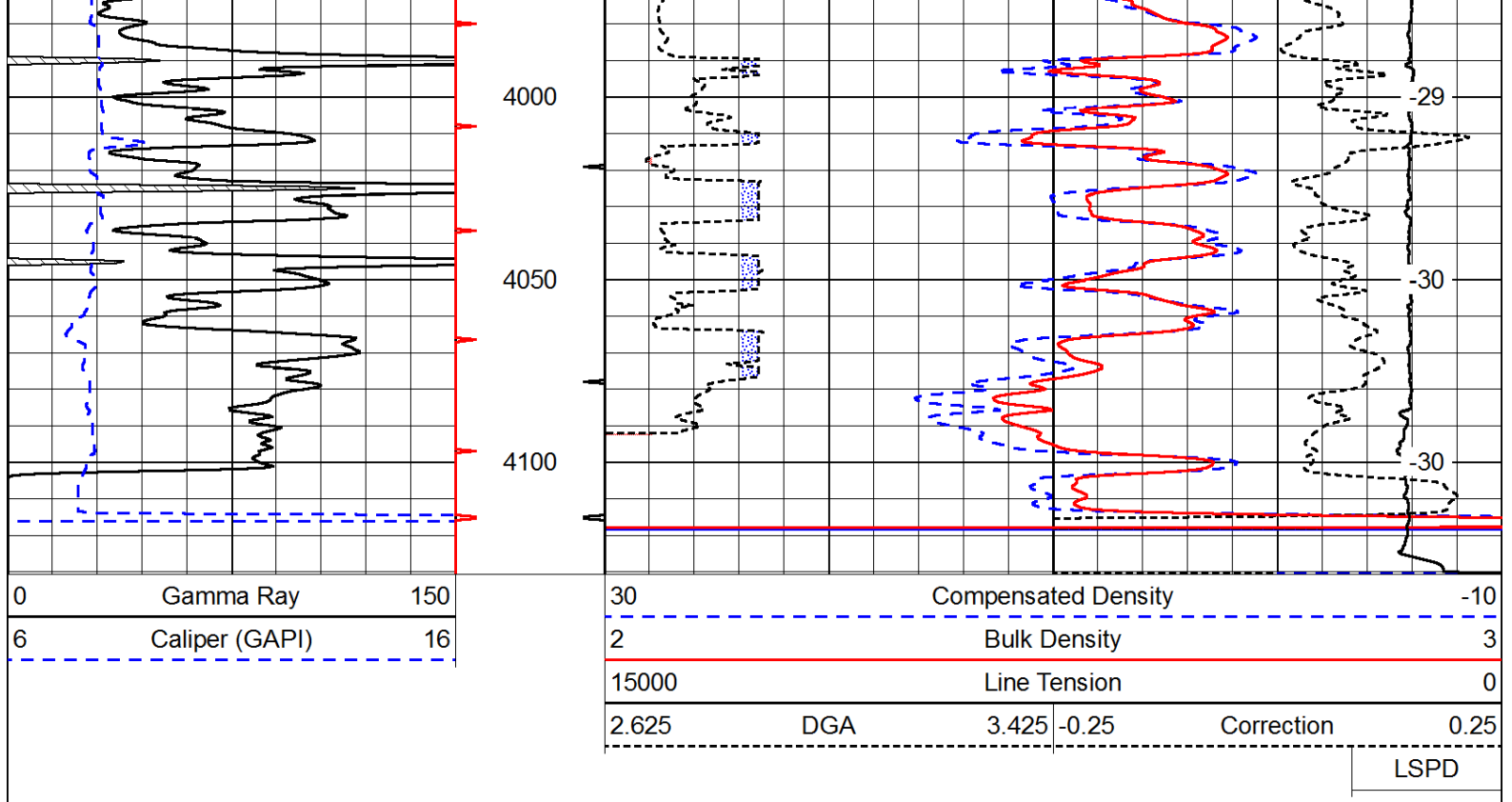
Collyer, West to 78 Road, 11 North to Road 100, 1/2 East, 1/8 South, West Into

Database File: c:\warrior\data\culbreath_mader #3-1\culbreath_mader_3-1hd.db
Dataset Pathname: dil/culbstck
Presentation Format: cdl
Dataset Creation: Thu Apr 17 03:01:01 2014
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
			2.625	DGA	3.425	-0.25
			Correction		0.25	
			LSPD			





Database File: c:\warrior\data\culbreath_mader #3-1\culbreath_mader_3-1hd.db
 Dataset Pathname: dil/culbstck
 Presentation Format: cndlspec
 Dataset Creation: Thu Apr 17 03:01:01 2014
 Charted by: Depth in Feet scaled 1:240

