



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-079-20707-00-00

Company W.D. Short Oil Company, LLC

Well Balzer # C 5

Field Annelly

County Harvey

State Kansas

Location 1650' FNL & 1750' FWL

Sec: 35

Twp: 23 S

Rge: 2 E

Other Services
DIL
MEI/BHCS

Permanent Datum

Ground Level
Log Measured From Kelly Bushing

Elevation 1397
8 Ft. Above Perm. Datum

Elevation

Drilling Measured From

Kelly Bushing

Elevation 1397

Date

9/18/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

3010

Depth Logger

3004

Bottom Logged Interval

2983

Top Logged Interval

2500

Type Fluid In Hole

Chemical

Salinity, PPM CL

1600

Density

9.3

Level

Full

Max. Rec. Temp. F

108

Operating Rig Time

4 Hours

Equipment -- Location

91 Hays

Recorded By

Y. Ruiz

Witnessed By

Dan Johnson

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1 12.25 00 203 8.625 24# 00 203

2 7.875 203 3010

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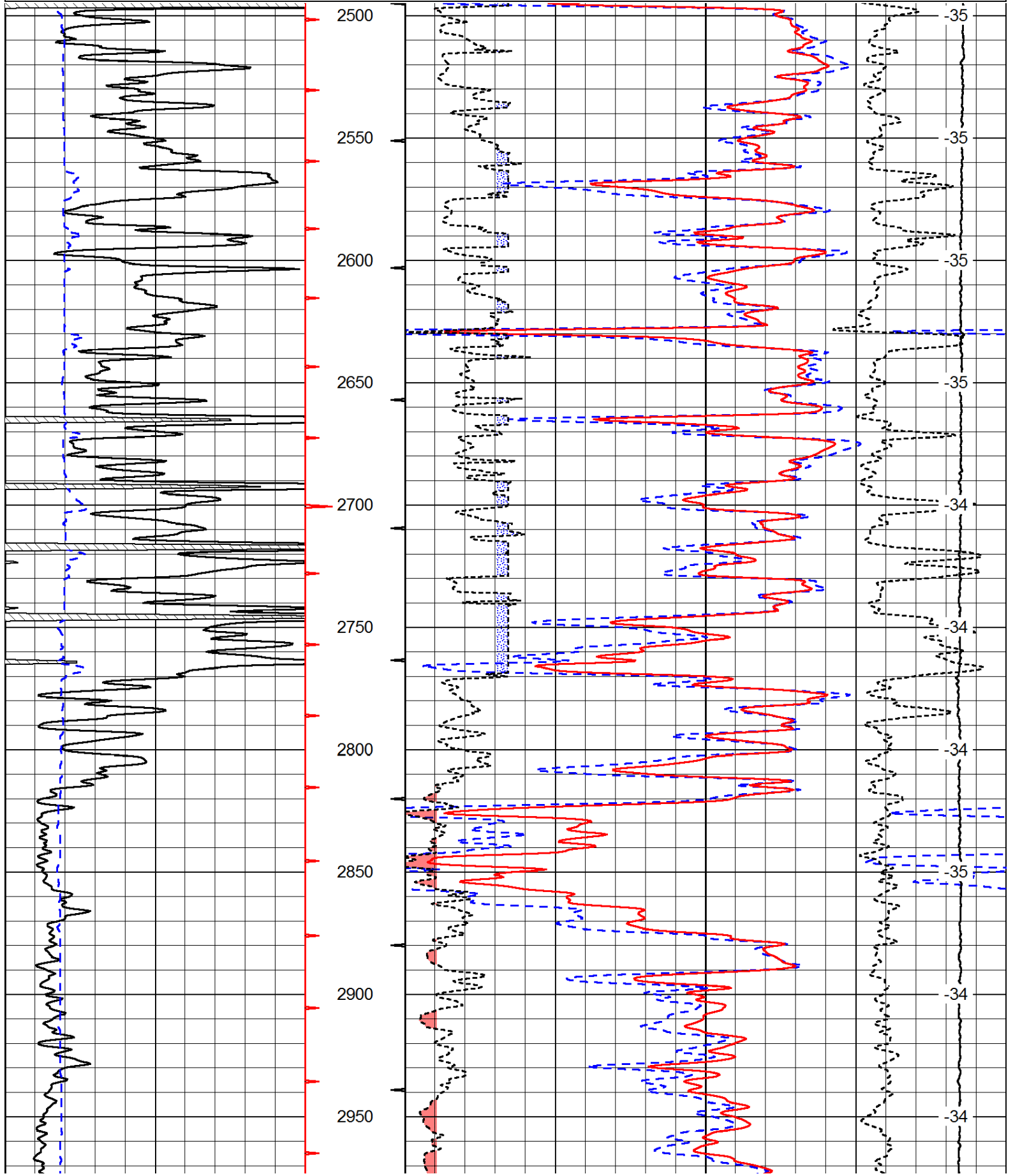
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

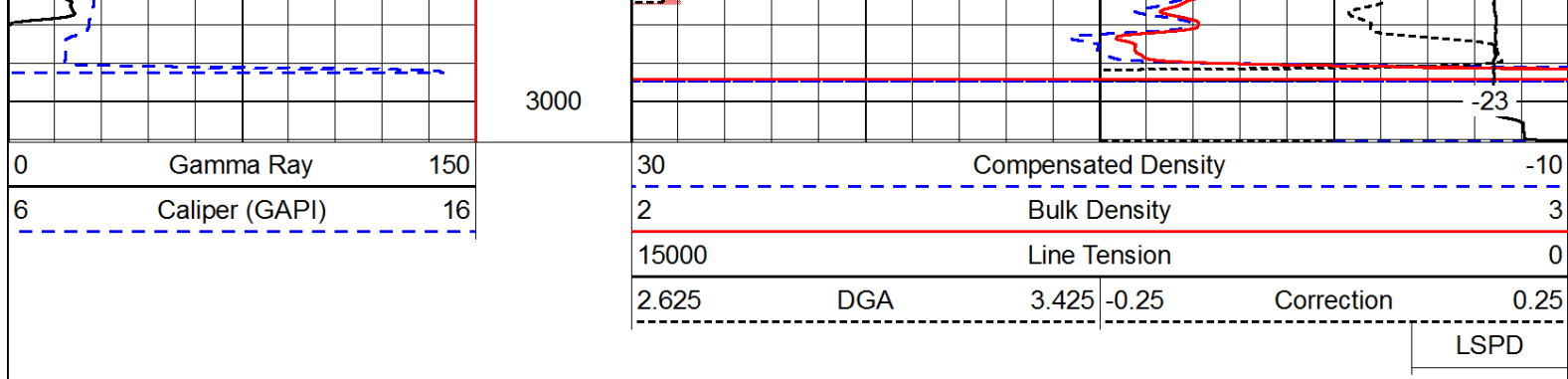
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Whitewater exit,
6 1/2 East to East Lake Rd, 3 North to 36 Rd,
3/4 East to Grace Hill Rd, 1/2 North,
(Just past the Bridge) East into

Database File: c:\warrior\data\w.d. short oil_balzer #c 5\wd_short_oil_balzer_#_c5_hd.db
Dataset Pathname: DIL\wdstk
Presentation Format: cdl
Dataset Creation: Fri Sep 19 03:11:42 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\w.d. short oil_balzer #c 5\wd_short_oil_balzer_#_c5_hd.db
Dataset Pathname: DIL/wdstk
Presentation Format: cndlspec
Dataset Creation: Fri Sep 19 03:11:42 2014
Charted by: Depth in Feet scaled 1:240

