



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-24,168-00-00

Company Indian Oil Company, Inc.
Well Blackstock #3
Field Stranathan
County Barber State Kansas

Location SW NE SE NW
1740' FNL & 2210' FWL
Sec: 12 Twp: 35S Rge: 12W

Permanent Datum Ground Level Elevation 1351
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
DIL
Elevation
K.B. 1362
D.F.
G.L. 1351

Date

5/18/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

5209

Depth Logger

5209

Bottom Logged Interval

5188

Top Logged Interval

4300

Type Fluid In Hole

Chemical

Salinity, PPM CL

6000

Density

9.5

Level

Full

Max. Rec. Temp. F

128

Operating Rig Time

2 1/2 Hours

Equipment -- Location

15 Hays

Recorded By

D Kerr

Witnessed By

Scott Alberg

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

268

5209

2

7.875

268

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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.

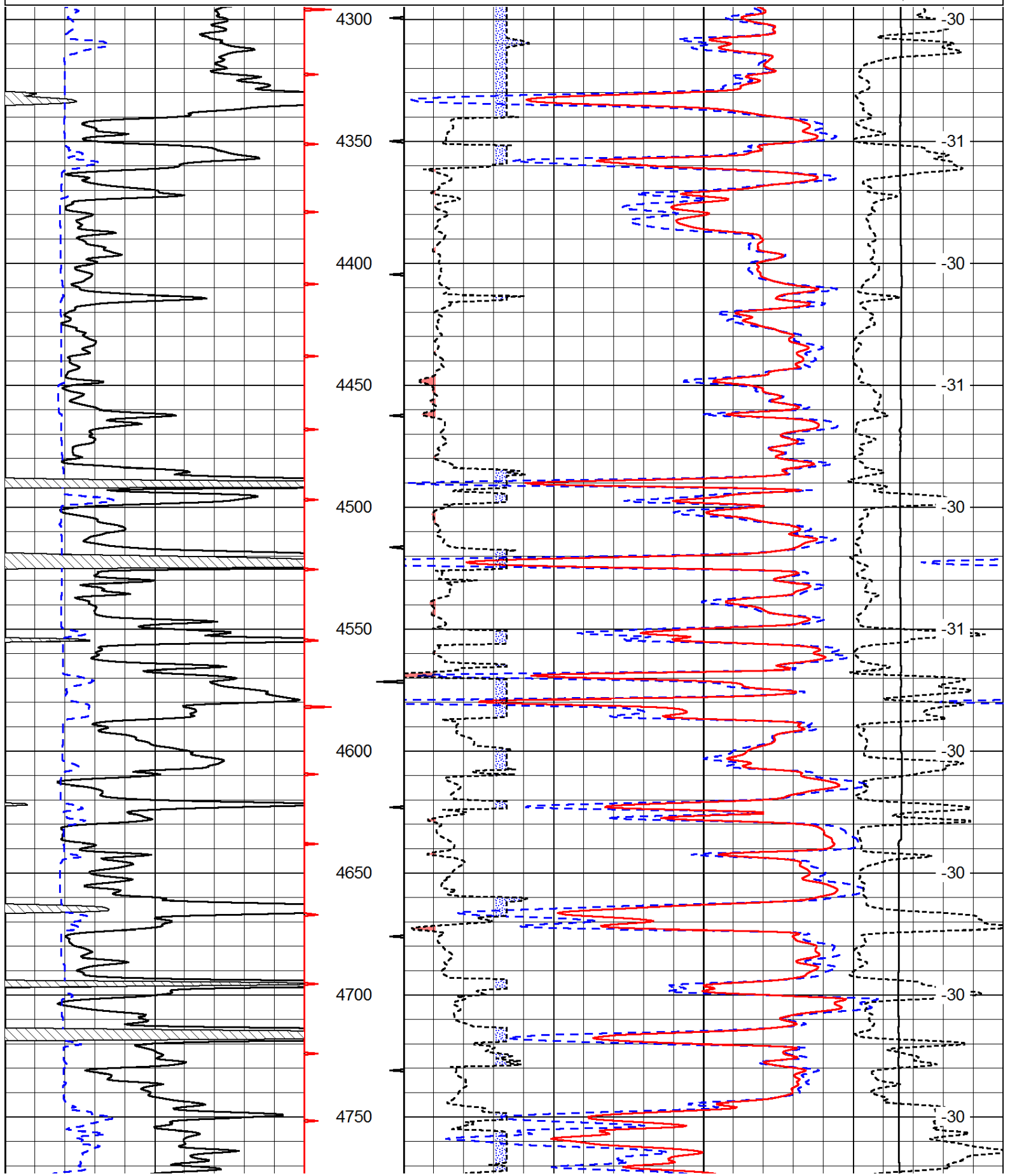
Comments

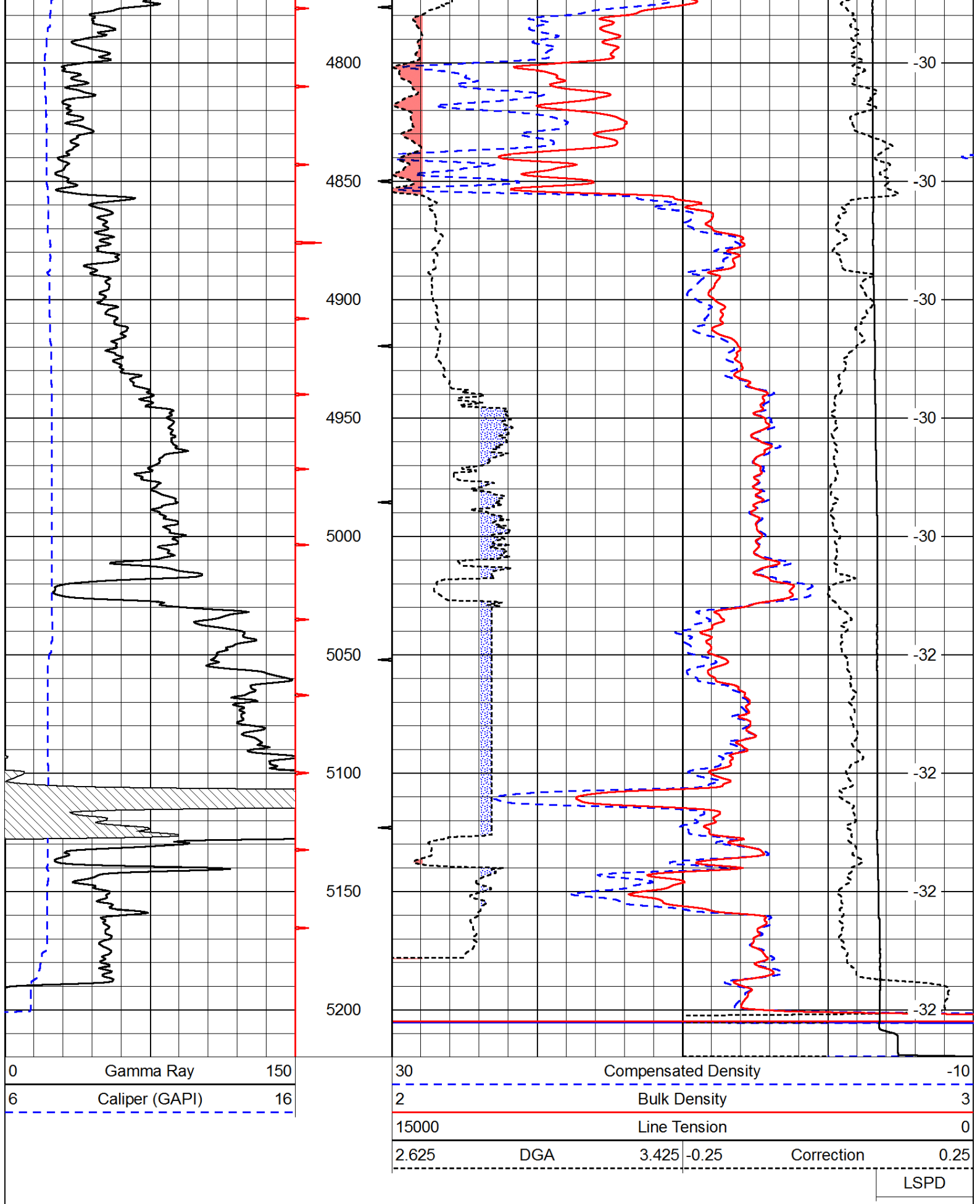
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Hardtner KS, 4 1/8 East, North at Tanks

Database File: c:\warrior\data\indian oil_blackstock #3\indian_blackstock_3hd.db
Dataset Pathname: DIL\indstk
Presentation Format: cdl
Dataset Creation: Sun May 18 14:46:06 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\indian oil_blackstock #3\indian_blackstock_3hd.db
Dataset Pathname: DIL/indstk
Presentation Format: cndlspec

0	Gamma Ray	150	30	Compensated Neutron (Limestone)		-10
6	Caliper (GAPI)	16	30	Compensated Density (Limestone)		-10
			2.625	DGA	3.425	-0.25
			Correction		0.25	
			15000	Line Tension		0
						LSPD

