



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-24,052-00-00

Company Indian Oil Company, Inc.

Well Blackstock No.2

Field Stranathan

County Barber State Kansas

Location

W/2 SE NE NW
990' FNL & 2210' FWL

Other Services
DIL

Sec: 12

Twp: 35S

Rge: 12W

Permanent Datum

Log Measured From Kelly Bushing

Ground Level Kelly Bushing
11 Ft. Above Perm. Datum

Elevation
K.B. 1365
D.F. 1365
G.L. 1354

Date

8/13/2013

Run Number

One

Type Log

CNL / CDL

Depth Driller

5225

Depth Logger

5227

Bottom Logged Interval

5206

Top Logged Interval

4300

Type Fluid In Hole

Chemical

Salinity, PPM CL

3.500

Density

9.4

Level

Full

Max. Rec. Temp. F

128

Operating Rig Time

3 Hours

Equipment -- Location

17 Days

Recorded By

C. Desaire

Witnessed By

Scott Alberg

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

718

8.625

23#

00

718

Two

7.875

718

TD

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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

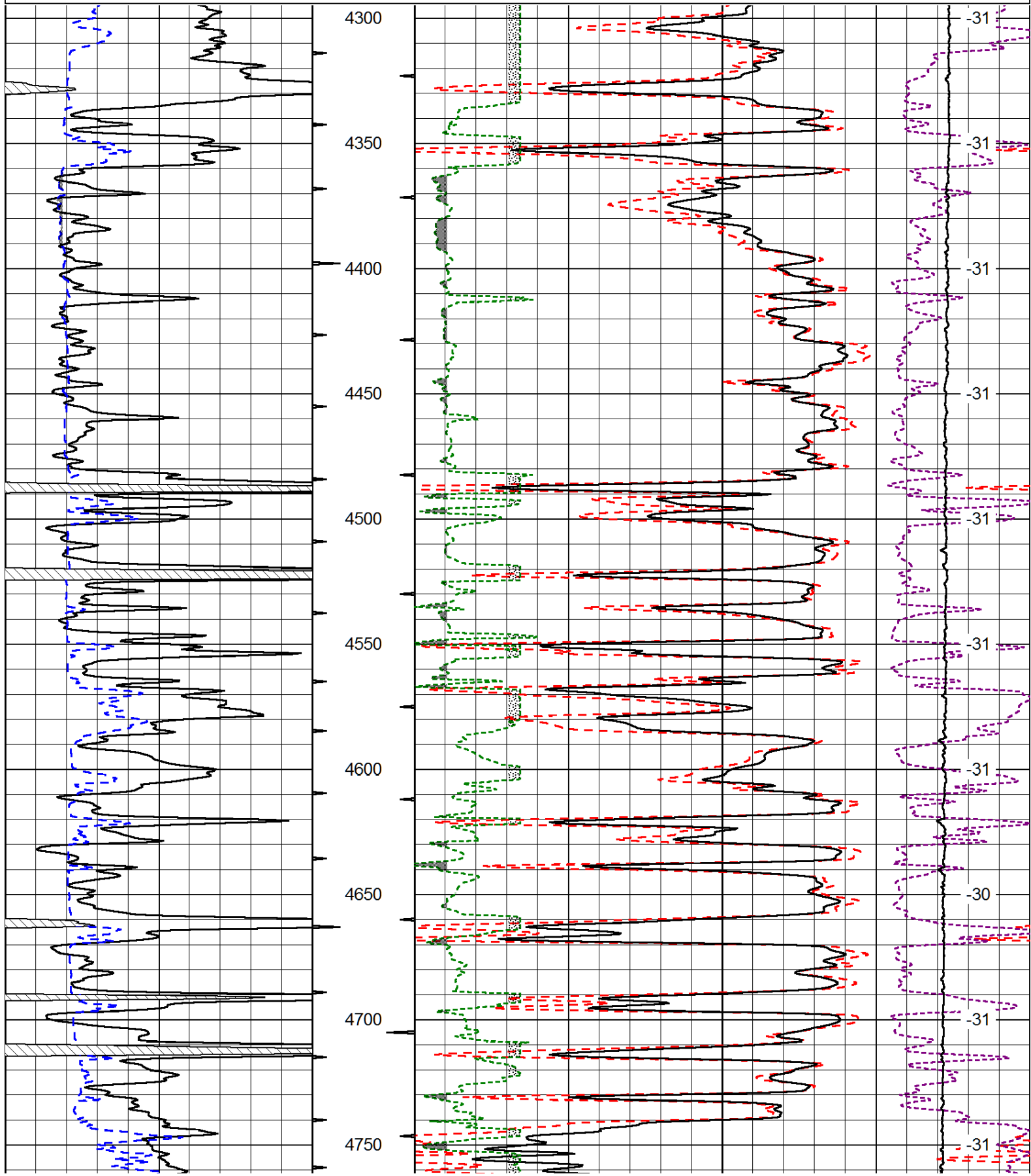
Thank you for using Log-Tech, Inc.
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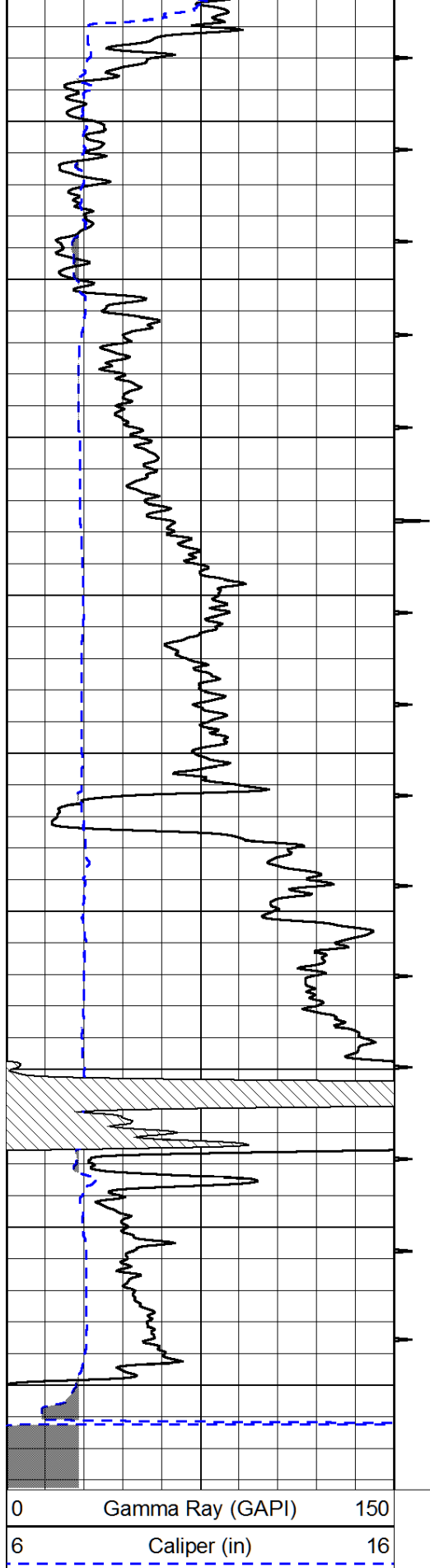
Medicine Lodge KS, S to Hardtner KS,
3/4 W around curve towards Hardtner, N Into at Tank Batt.

Database File: indianhd.db
Dataset Pathname: dil/indstk2
Presentation Format: cdl
Dataset Creation: Tue Aug 13 01:37:30 2013
Charted by: Depth in Feet scaled 1:600

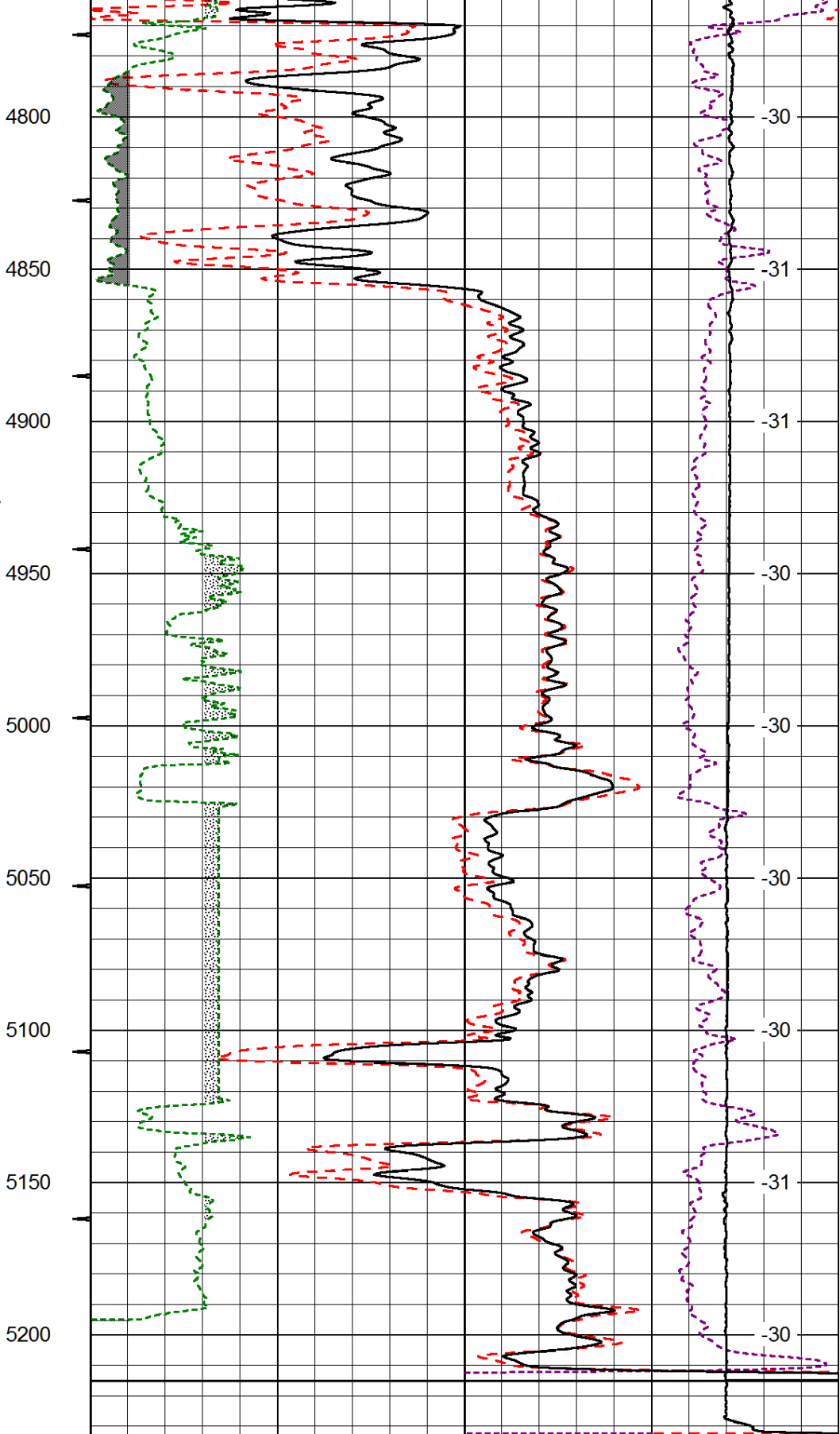
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD (ft/min)		





0	Gamma Ray (GAPI)	150
6	Caliper (in)	16



30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
2.625	DGA (g/cc)	3.425
-0.25	Correction (g/cc)	0.25

LSPD
(ft/min)

Database File: indianhd.db
Dataset Pathname: dil/indstk2
Presentation Format: cndlspec
Dataset Creation: Tue Aug 13 01:37:30 2013
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)	-10			
30	Compensated Density (2.71 ma) (pu)	-10			
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)	0			

LSPD
(ft/min)

