



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-24,250-00-00

Company Indian Oil Company

Well Brad #1

Field Hardtner

County Barber

State Kansas

Location

S/2 SE SE
330' FSL & 660' FEL

Other Services
DIL

Sec: 6

Twp: 35S

Rge: 12W

Permanent Datum

Ground Level

Elevation 1410

K.B. 1421
D.F. 1410
G.L. 1410

Log Measured From

Kelly Bushing

11 Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

K.B. 1421
D.F. 1410
G.L. 1410

Date

11/17/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

5300

Depth Logger

5303

Bottom Logged Interval

5282

Top Logged Interval

4200

Type Fluid In Hole

Chemical

Salinity, PPM CL

3000

Density

9.1

Level

Full

Max. Rec. Temp. F

129

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

One

12.25

00

265

8.625

23#

00

265

Two

7.875

265

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

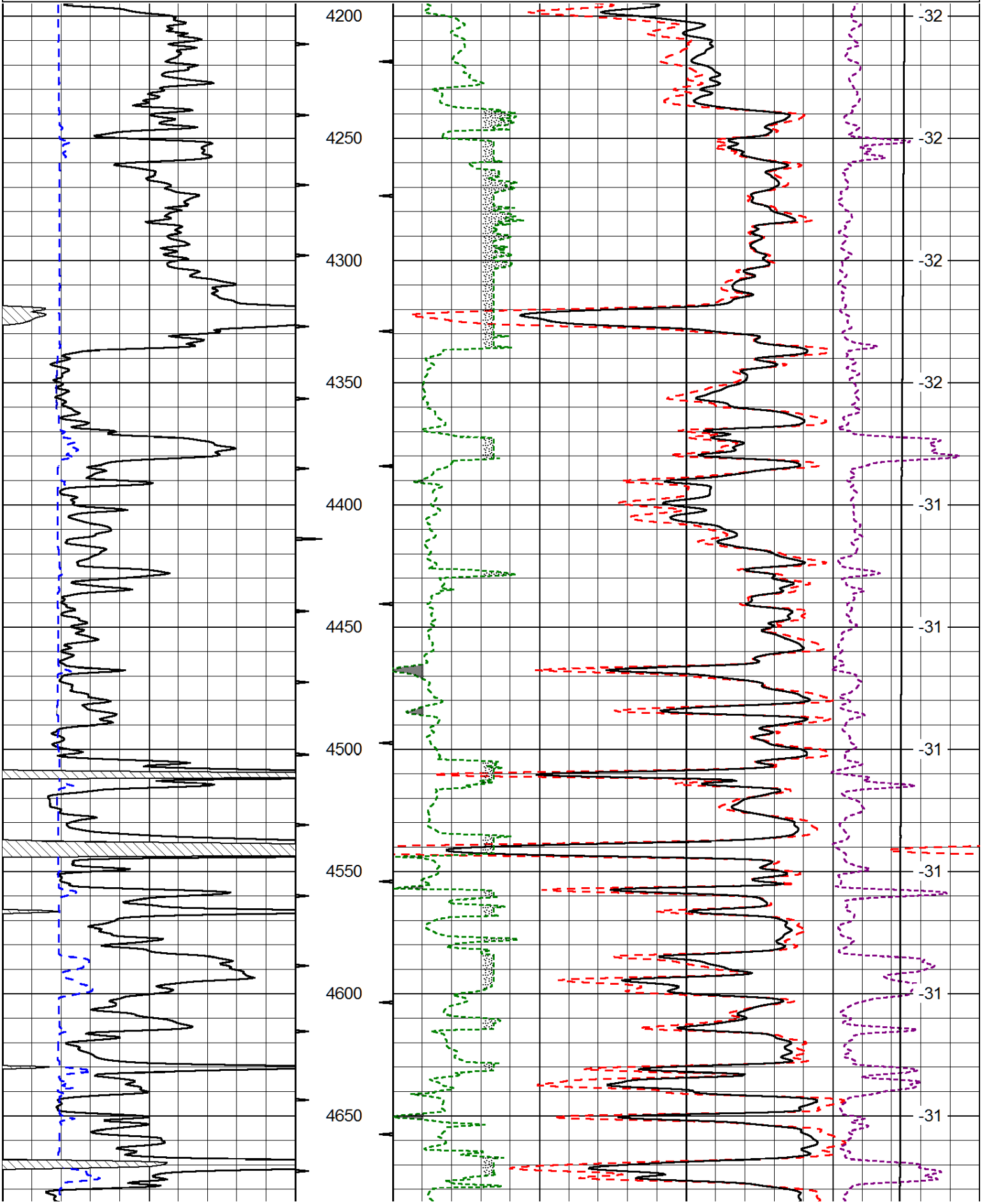
Thank you for using Log-Tech, Inc.
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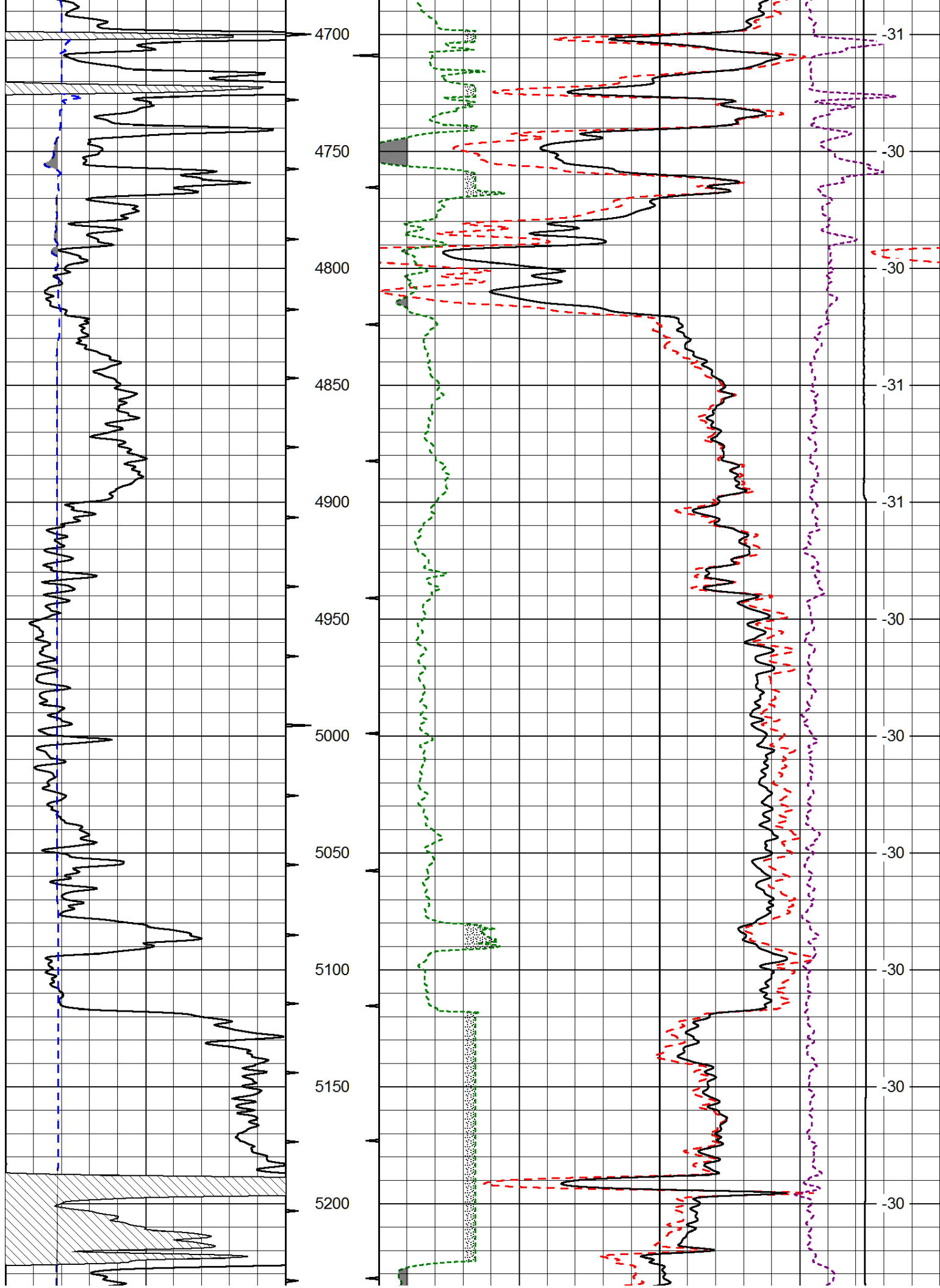
Hardtner KS, 1/2 West on Hackberry ST,
3/4 North and West Into

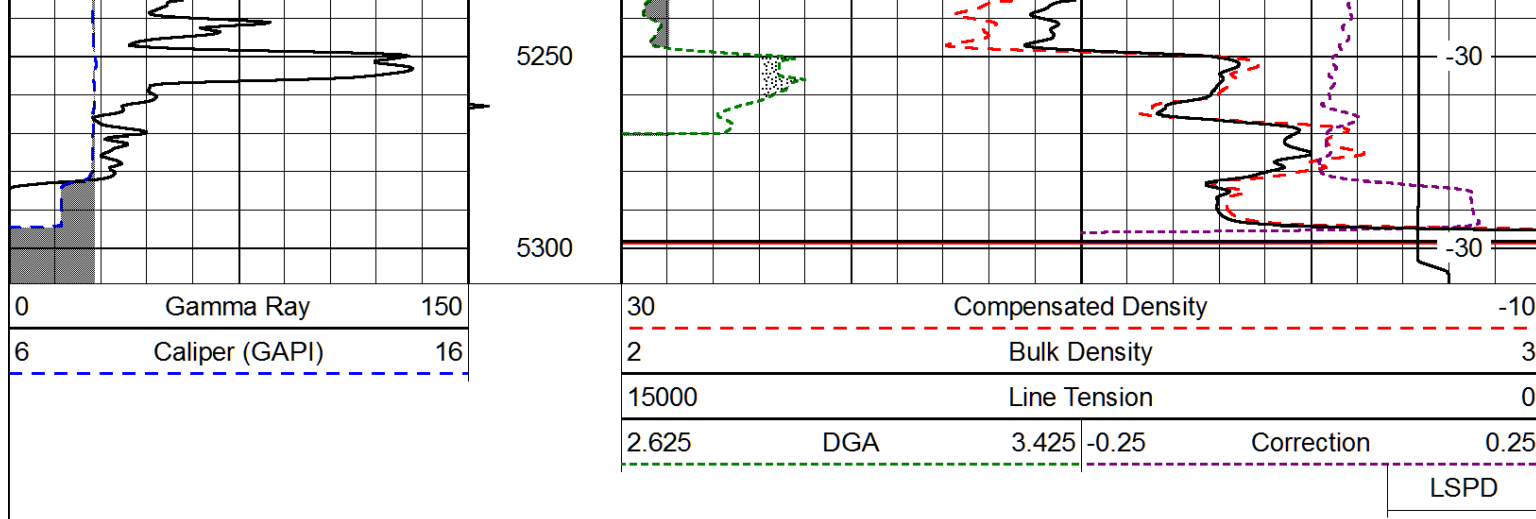
Database File: indian_brad_1hd.db
Dataset Pathname: DIL/indstk
Presentation Format: cdl
Dataset Creation: Mon Nov 17 23:42:14 2014
Charted by: Depth in Feet scaled 1:600

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: indian_brad_1hd.db
 Dataset Pathname: DIL/indstk
 Presentation Format: cndlspec
 Dataset Creation: Mon Nov 17 23:42:14 2014
 Charted by: Depth in Feet scaled 1:240

