



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-009-25986-00-00

Company **Bird Dog Oil, LLC**

Well **Lakin-Sieker # 2-23**

Field **Lanternman**

County **Barton**

State **Kansas**

Location

1305' FNL & 140' FWL

Other Services
DIL
MEL/BHCS

Sec: **23**

Twp: **19 S**

Rge: **11 W**

Elevation

Permanent Datum **Ground Level** Elevation **1777**
Log Measured From **Kelly Bushing** 8 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

K.B. 1785
D.F. 1777
G.L. 1777

Date **06-21-2014**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **3420**

Depth Logger **3419**

Bottom Logged Interval **3398**

Top Logged Interval **2600**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **6100**

Density **9.3**

Level **Full**

Max. Rec. Temp. F **112**

Operating Rig Time **5 Hours**

Equipment -- Location **91 Hays**

Recorded By **Y. Ruiz**

Witnessed By **Adam Kennedy**

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

One **12.25**

00

263

8.625

23#

00

263

Two **7.875**

263

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

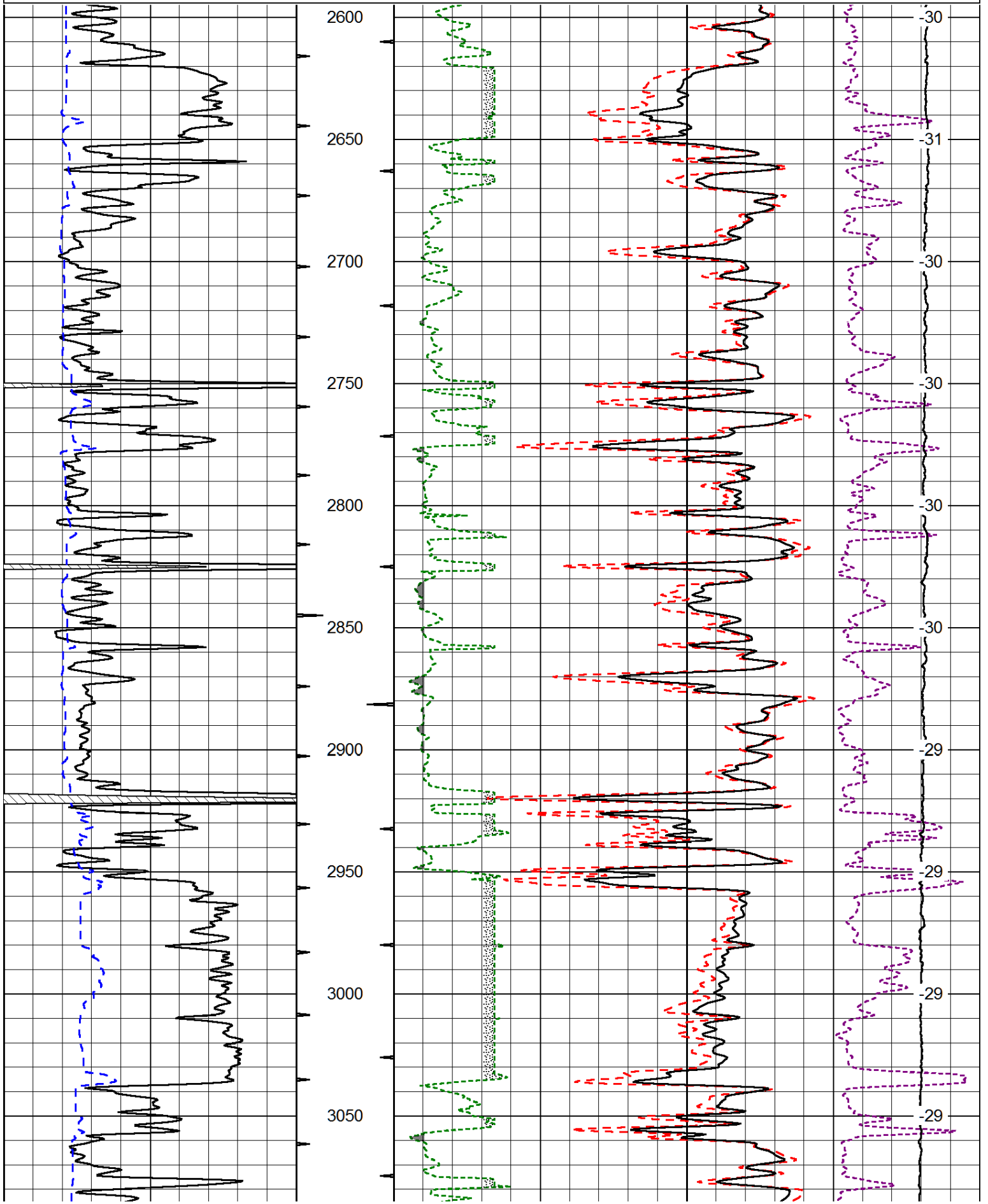
Thank you for using Log-Tech, Inc.
(785) 625-3858

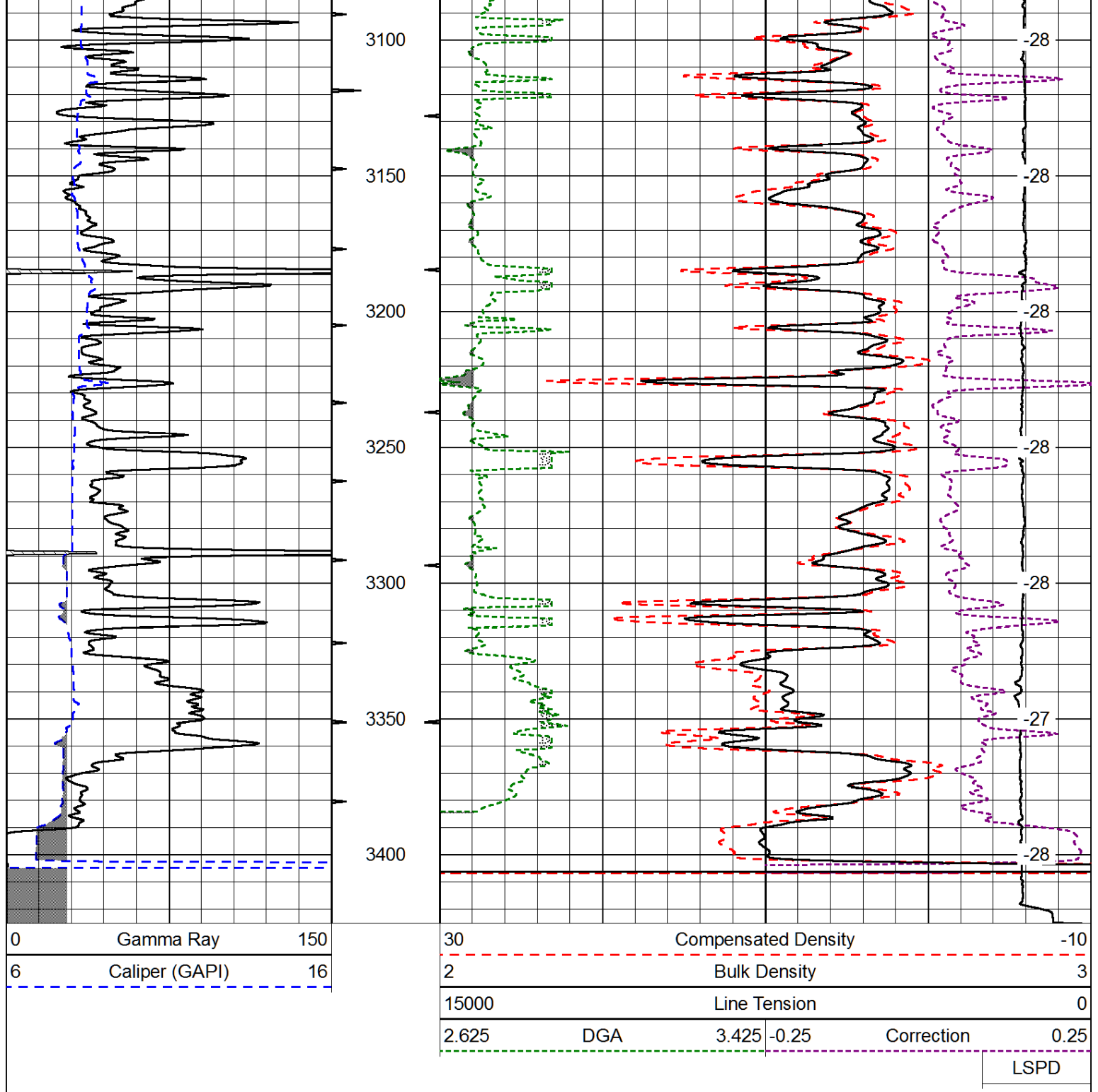
Ellinwood,
3 East to 140 Rd, 2 North,
East into

Database File: bird_dog 062114hd.db
Dataset Pathname: DIL/bdstk
Presentation Format: cdl
Dataset Creation: Sun Jun 22 01:54:53 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: bird_dog 062114hd.db
Dataset Pathname: DIL/bdstk
Presentation Format: cndlspec
Dataset Creation: Sun Jun 22 01:54:53 2014
Charted by: Depth in Feet scaled 1:240

