



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-185-23,885-00-00

Company H&D Exploration, LLC

Well Kirkpatrick No. 1

Field Halley East

County Stafford

State Kansas

Location

N2-SE-NE-SE
1722' FSL & 330' FEL

Sec: 34

Twp: 24S

Rge: 13W

Elevation

Permanent Datum Ground Level Elevation 1923
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1932
D.F.
G.L. 1923

Date

8/27/14

Run Number

One

Type Log

CNL / CDL

Depth Driller

4258

Depth Logger

4258

Bottom Logged Interval

4237

Top Logged Interval

3000

Type Fluid In Hole

Chemical

Salinity, PPM CL

7,500

Density

9.7

Level

Full

Max. Rec. Temp. F

119

Operating Rig Time

4 Hours

Equipment -- Location

91 Hays

Recorded By

J. Henrickson

Witnessed By

Josh Austin

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

One 12.25

00

768

8.625

23#

00

768

Two 7.875

768

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

St. John Kansas
South to 30 Rd, 1 East, 1/4 North, West Into

Database File: hd_kirkpatrick_1hd.db

Dataset Pathname: DIL/hdstk

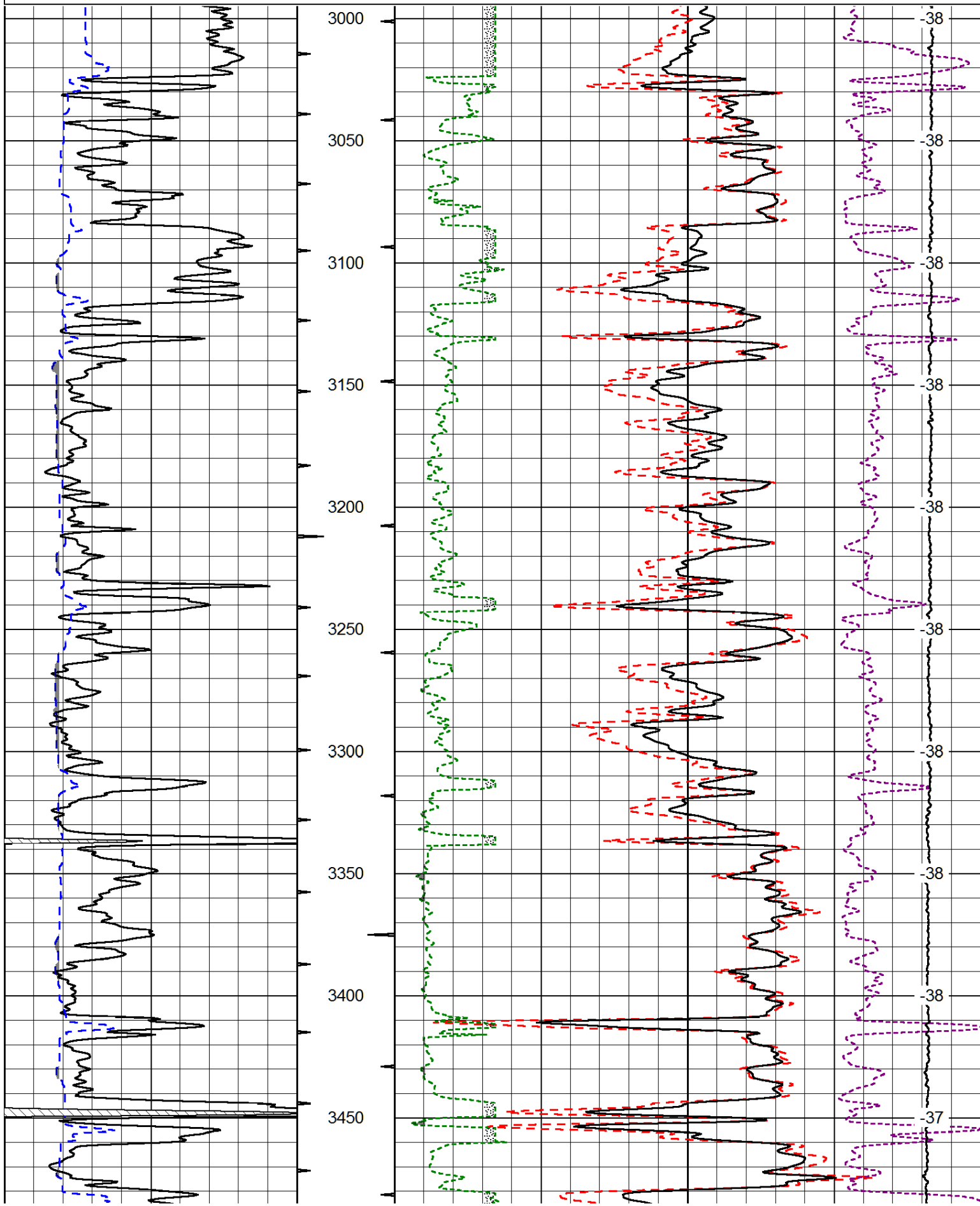
Presentation Format: cdl

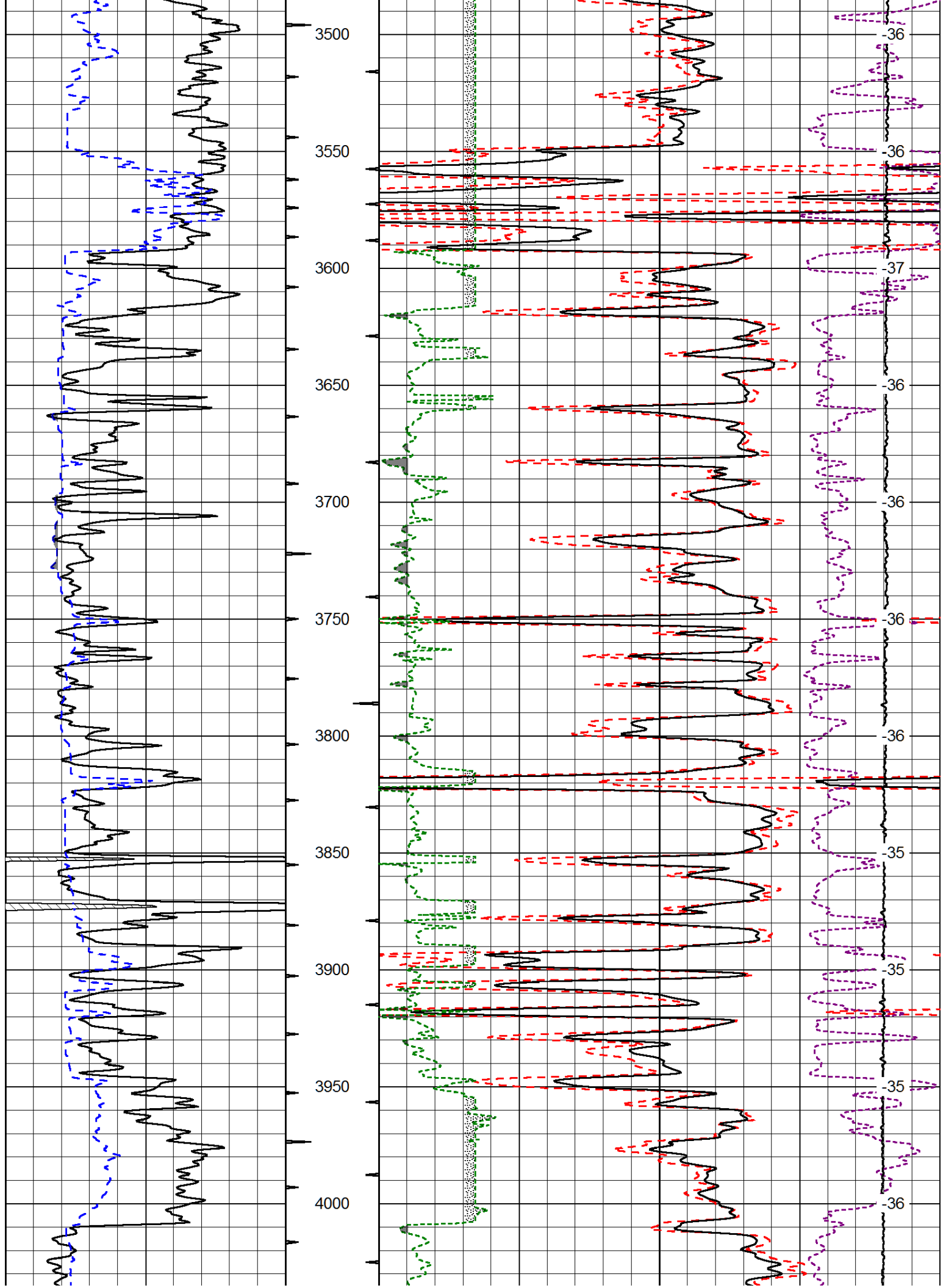
Dataset Creation: Wed Aug 27 12:35:56 2014

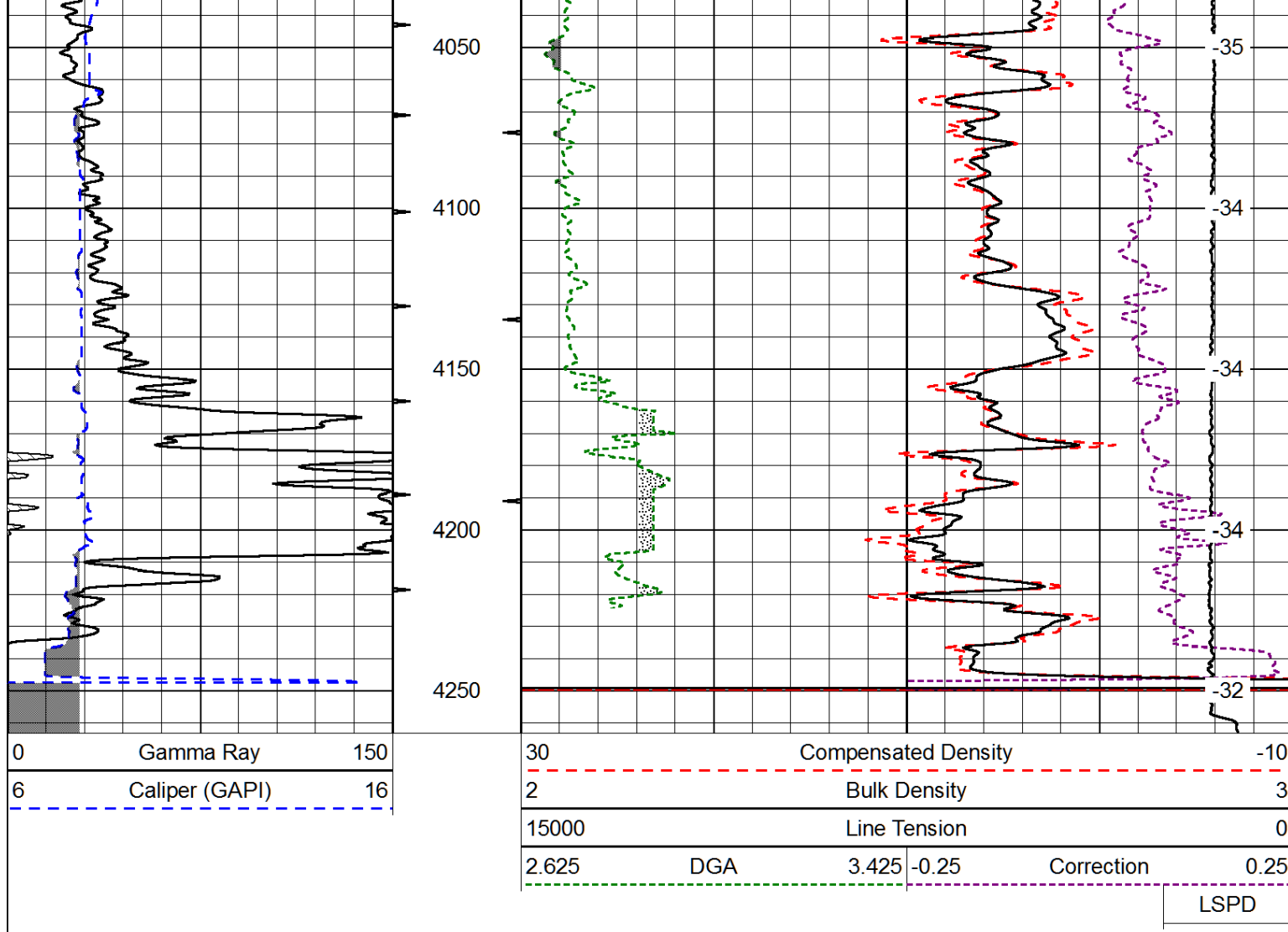
Charted by: Depth in Feet scaled 1:600

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: hd_kirkpatrick_1hd.db
Dataset Pathname: DIL/hdstk
Presentation Format: cndlspec
Dataset Creation: Wed Aug 27 12:35:56 2014
Charted by: Depth in Feet scaled 1:240

