



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-093-21,879-00-00

Company **PetroSantander (USA) Inc.**

Well **Scott No.5-13**

Field **Christabelle**

County **Kearny**

State **Kansas**

Location **625' FNL & 2350' FWL**

Other Services
DIL/MEI

Sec: **13**

Twp: **21S**

Rge: **35W**

Elevation

Permanent Datum **Ground Level** Elevation **3077**
Log Measured From **Kelly Bushing** 12 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Date **1/1/2013**

K.B. **3089**
D.F.
G.L. **3077**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **5020**

Depth Logger **5006**

Bottom Logged Interval **4985**

Top Logged Interval **2500**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **6,000**

Density **9.1**

Level **Full**

Max. Rec. Temp. F **126**

Operating Rig Time **5 Hours**

Equipment -- Location **15 Hays**

Recorded By **C. Desaire**

Witnessed By **Wes Hansen**

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

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8.625

23#

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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

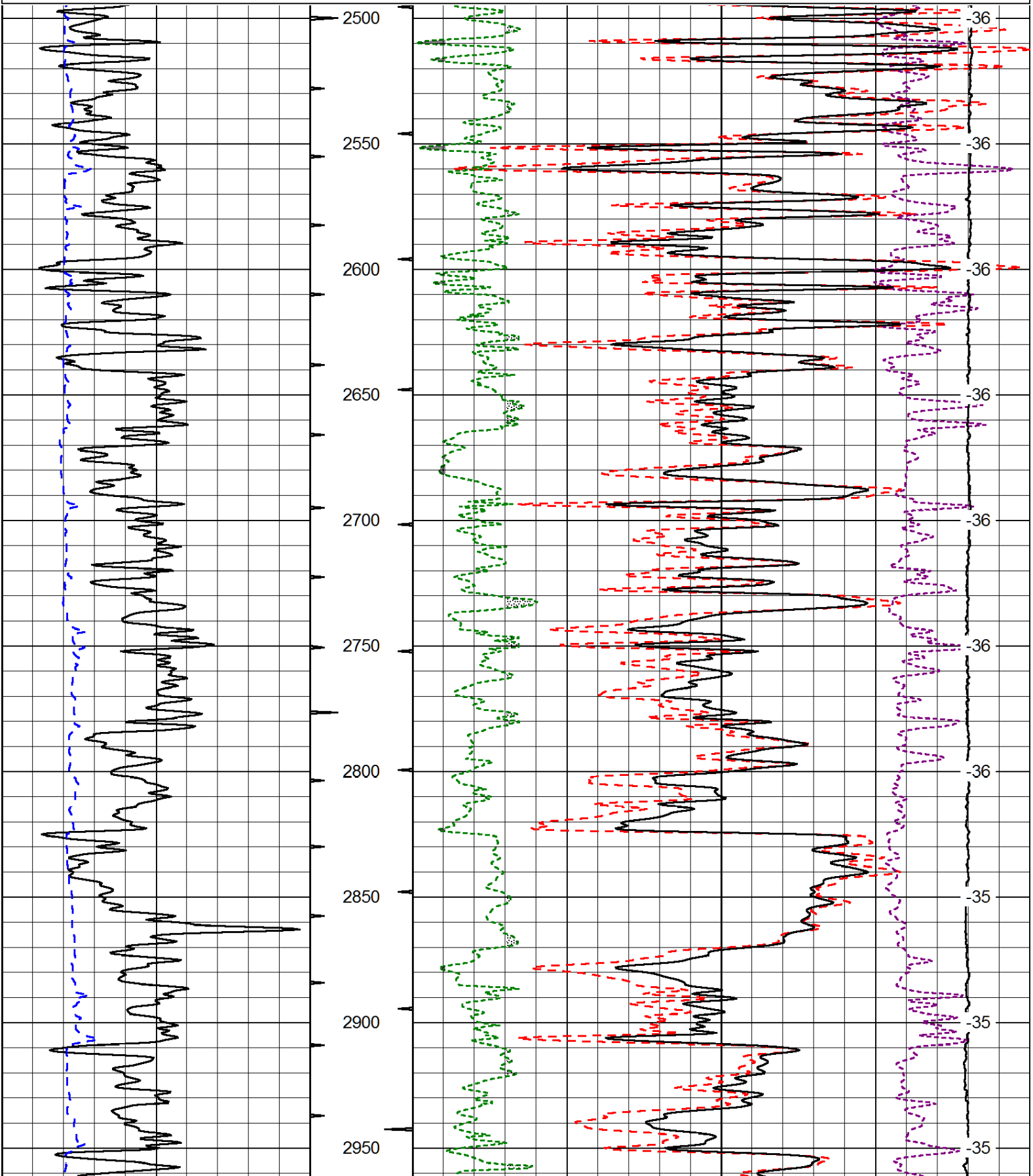
Thank you for using Log-Tech, Inc.
(785) 625-3858

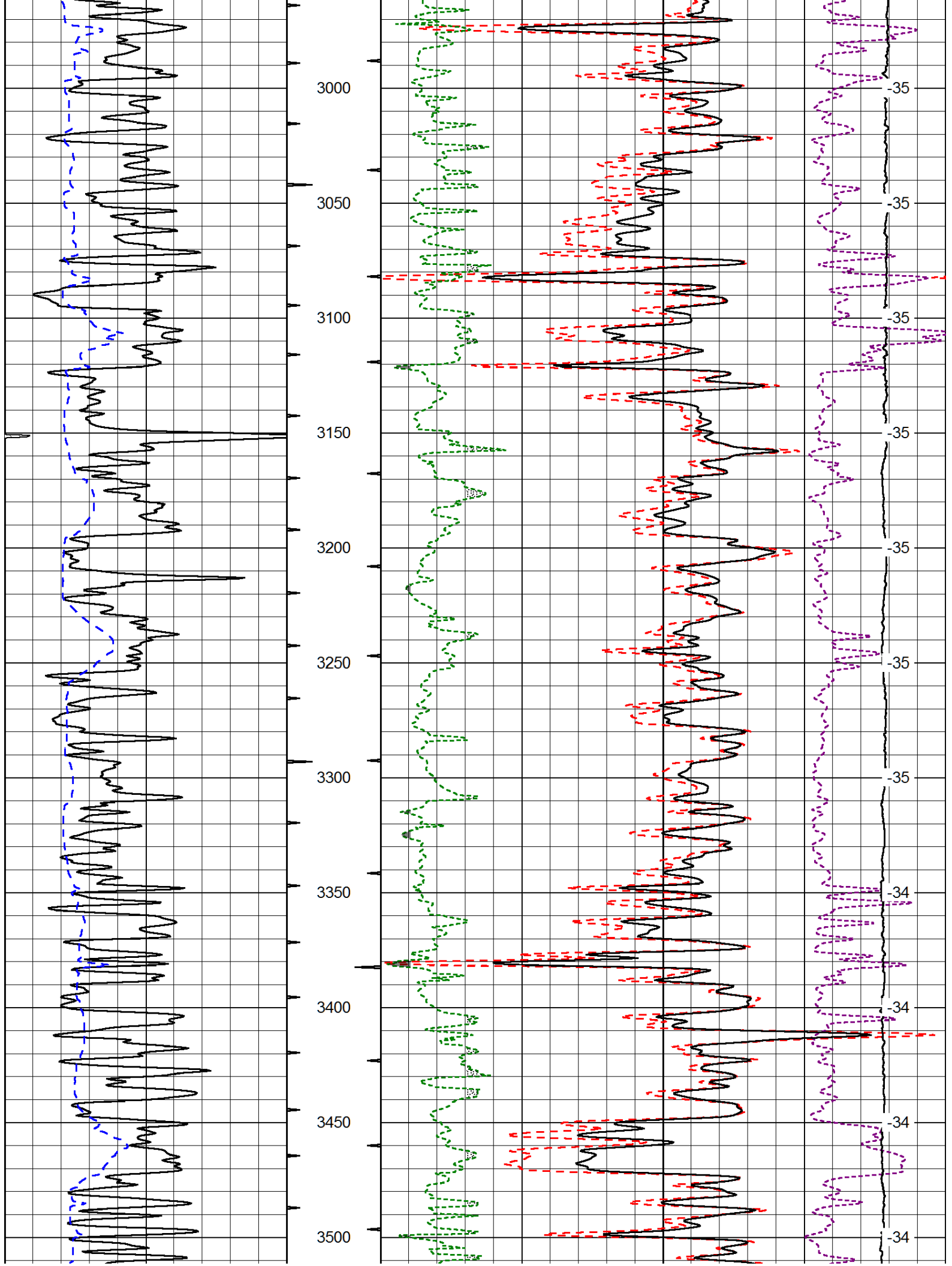
Scott City KS, S to Gano Rd,
9 1/2 W to Byrd Rd, 2 N, 1 1/2 W, S Into

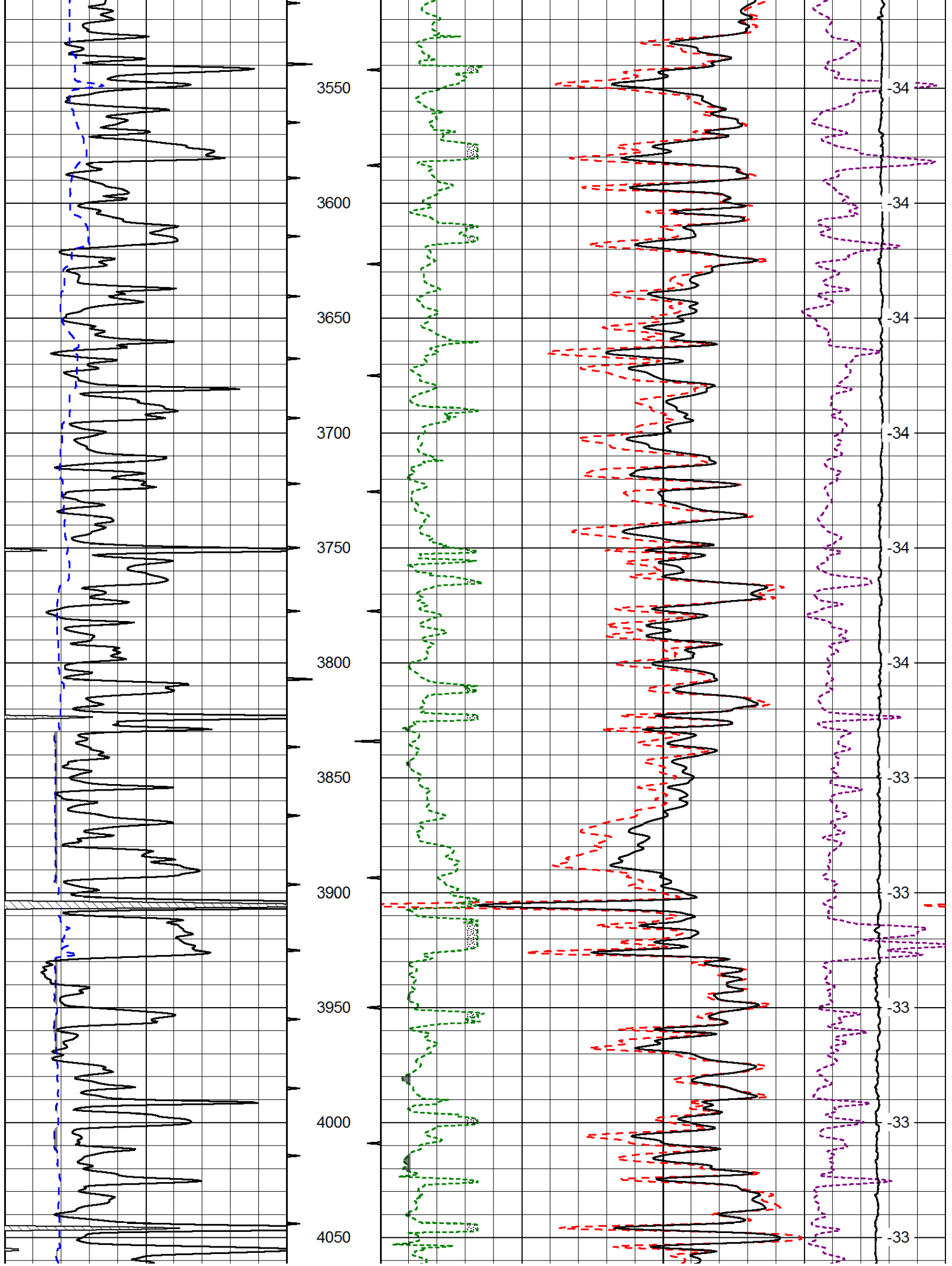
Database File: petrohd.db
Dataset Pathname: dil/petstk
Presentation Format: cdl
Dataset Creation: Tue Jan 01 23:21:04 2013
Charted by: Depth in Feet scaled 1:600

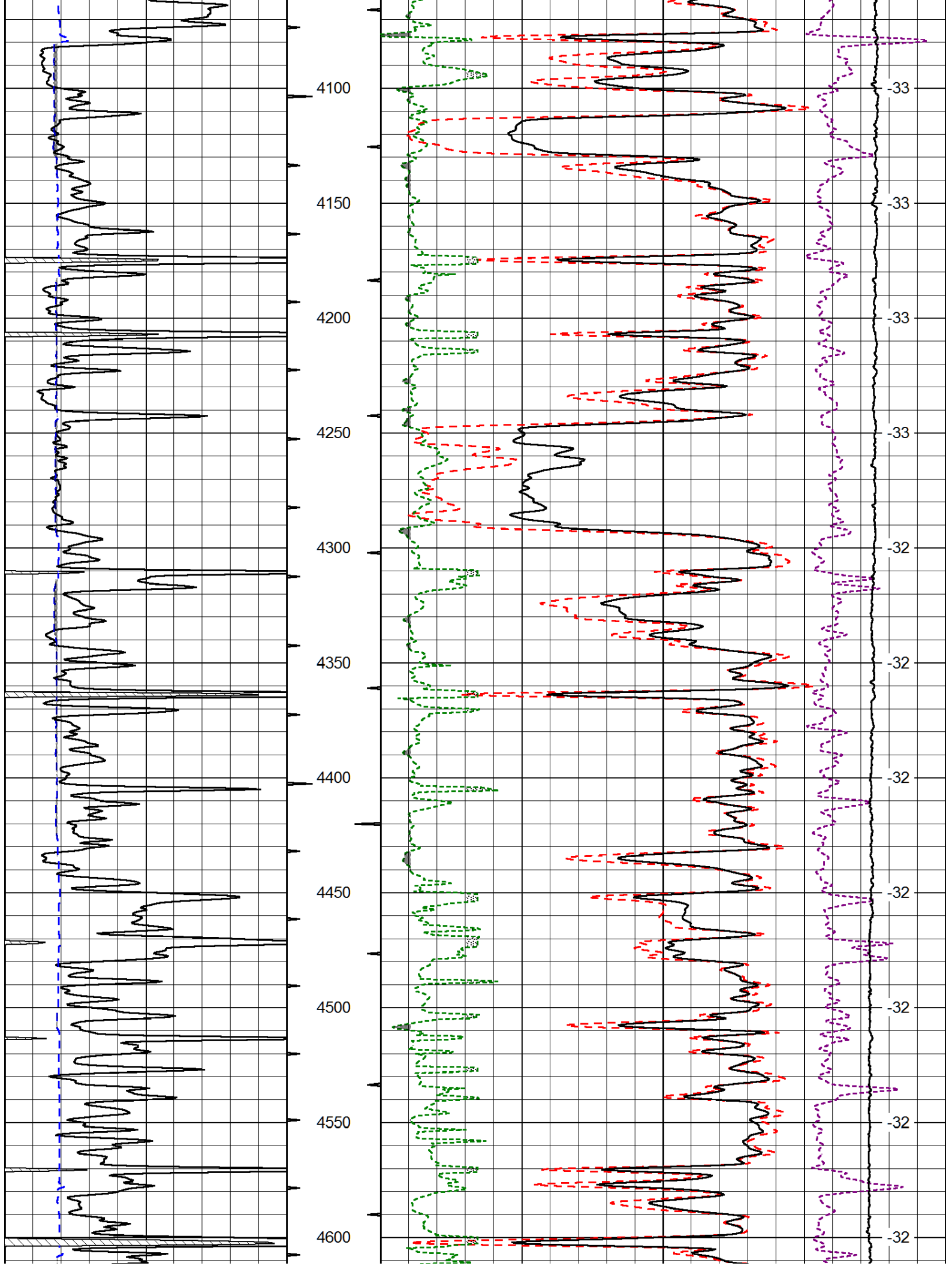
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

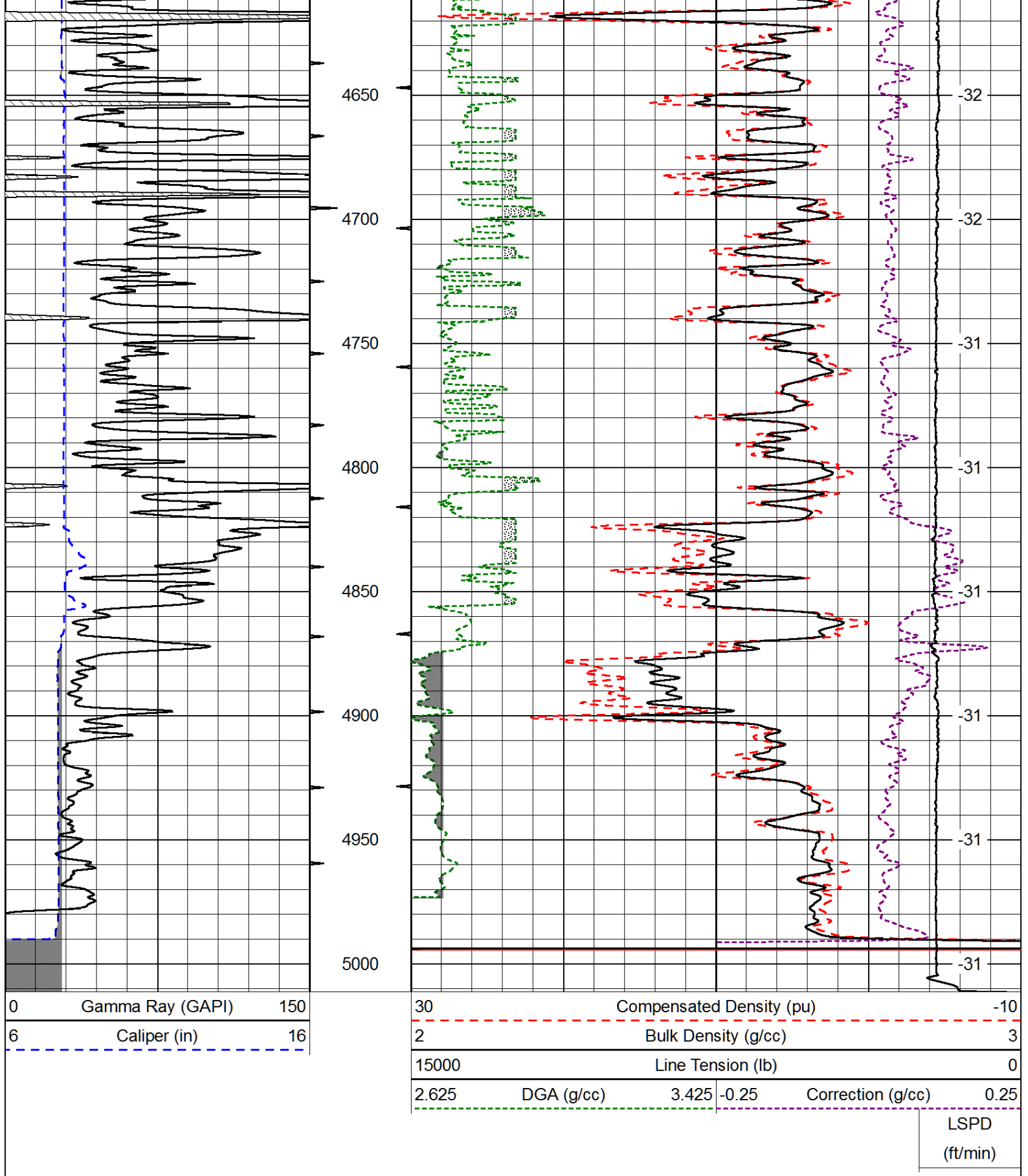
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD		(ft/min)











Database File: petrohd.db
Dataset Pathname: dil/petstk
Presentation Format: cndlspec
Dataset Creation: Tue Jan 01 23:21:04 2013
Charted by: Depth in Feet scaled 1:240



6 Caliper (in) 16

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)

