



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-109-21,192-00-00

Company Lario Oil & Gas Company

Well Nuss No. 2-24

Field Unknown

County Logan

State Kansas

Location

2310' FNL & 660' FEL

Other Services
DIL/MEL

Sec: 24

Twp: 14S

Rge: 32W

Elevation

Permanent Datum Ground Level Elevation 2749
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 7/31/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4550

Depth Logger 4549

Bottom Logged Interval 4528

Top Logged Interval 3300

Type Fluid In Hole Chemical

Salinity, PPM CL 4,400

Density 9.3

Level Full

Max. Rec. Temp. F 122

Operating Rig Time 4 Hours

Equipment -- Location 91 Hays

Recorded By J. Henrickson

Witnessed By Steve Davis

Run No. Bit From To Size Wgt. From To

One 12.25 00 223 8.625 23# 00 223

Two 7.875 223 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

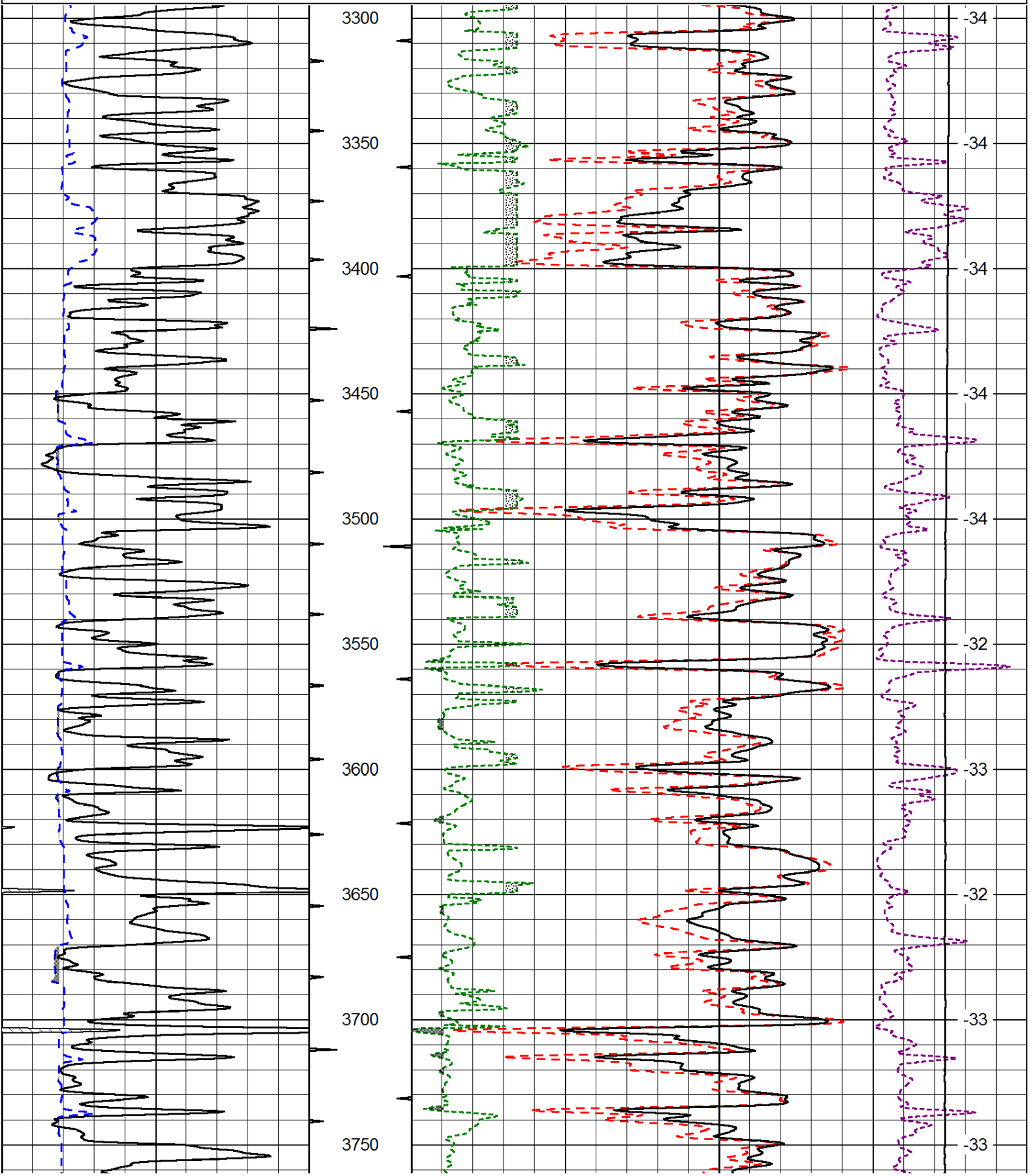
Thank you for using Log-Tech, Inc.
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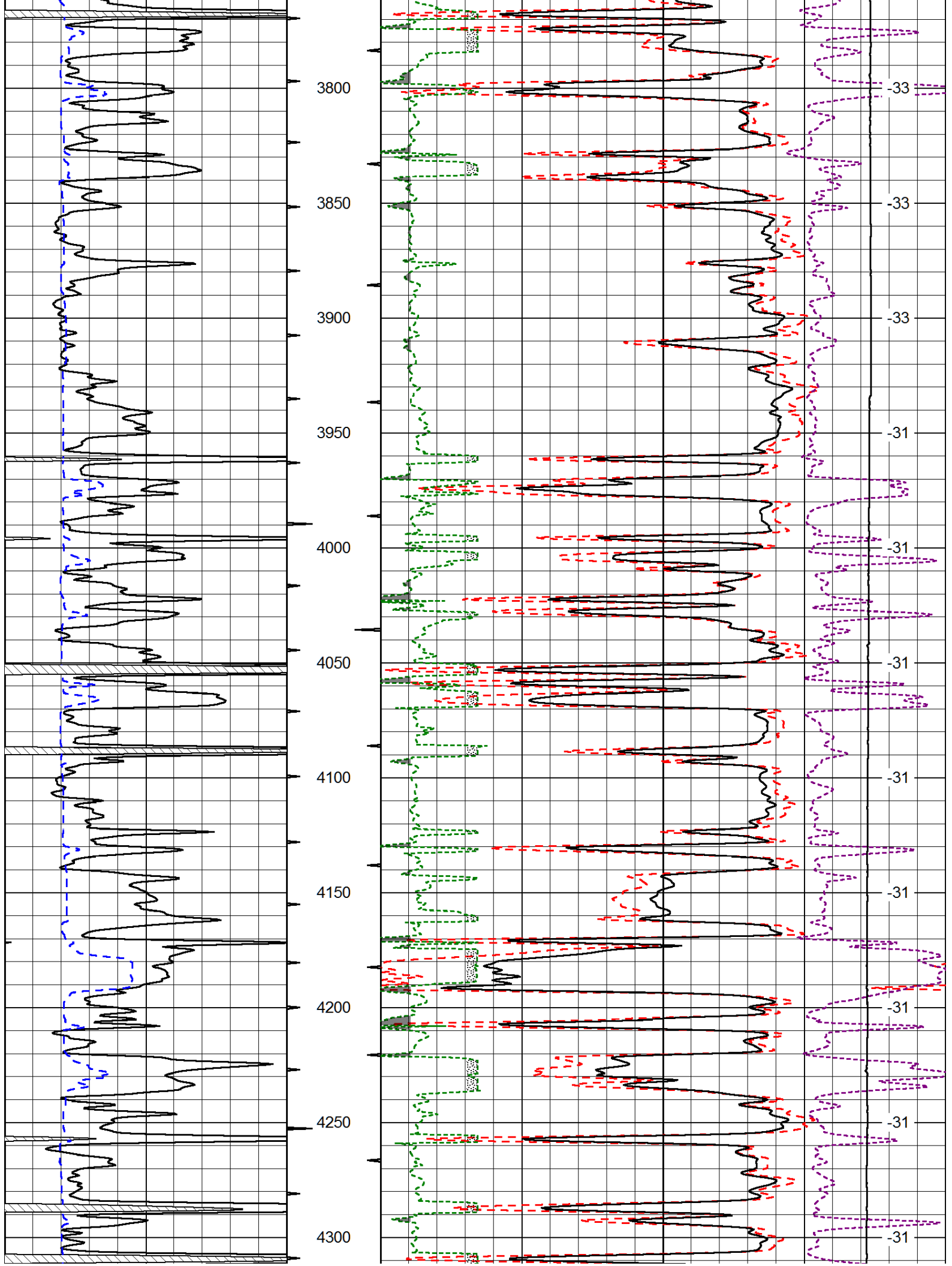
Oakley Kansas
South to Jayhawk Rd, East to 460 Rd, South Into

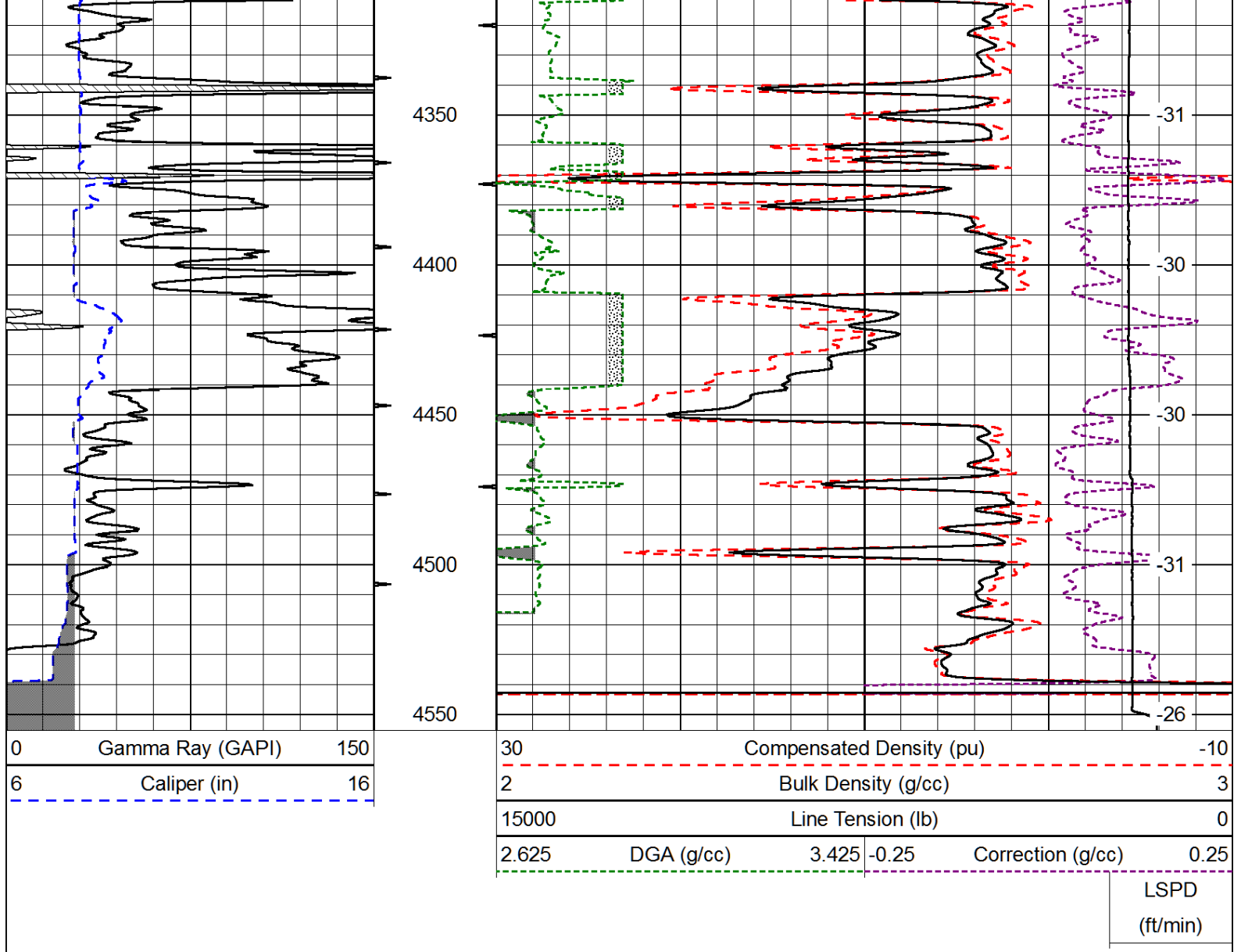
Database File: lario_nuss_2_24hd1.db
Dataset Pathname: DIL/larstk2
Presentation Format: cdl
Dataset Creation: Thu Aug 01 00:28:08 2013
Charted by: Depth in Feet scaled 1:600

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: lario_nuss_2_24hd1.db
 Dataset Pathname: DIL/larstk2
 Presentation Format: cndlspec
 Dataset Creation: Thu Aug 01 00:28:08 2013
 Charted by: Depth in Feet scaled 1:240

