



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26676-00-00

Company TDI, Inc.

Well Stackhouse Ranch # 1

Field Unnamed

County Ellis

State Kansas

Location 1060' FNL & 360' FEL

Other Services
DIL/MEL

Sec: 13 Twp: 12 S Rge: 19 W

Permanent Datum Ground Level Elevation 2198

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 2208
D.F. 2198
G.L. 2198

Date 05-22-2014

Run Number One

Type Log CNL / CDL

Depth Driller 3899

Depth Logger 3902

Bottom Logged Interval 3881

Top Logged Interval 2500

Type Fluid In Hole Chemical

Salinity, PPM CL 2500

Density 9.2

Level Full

Max. Rec. Temp. F 117

Operating Rig Time 4 Hours

Equipment -- Location 17 Hays

Recorded By Y. Ruiz

Witnessed By Herb Deines

Tom Denning

Borehole Record

Casing Record

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

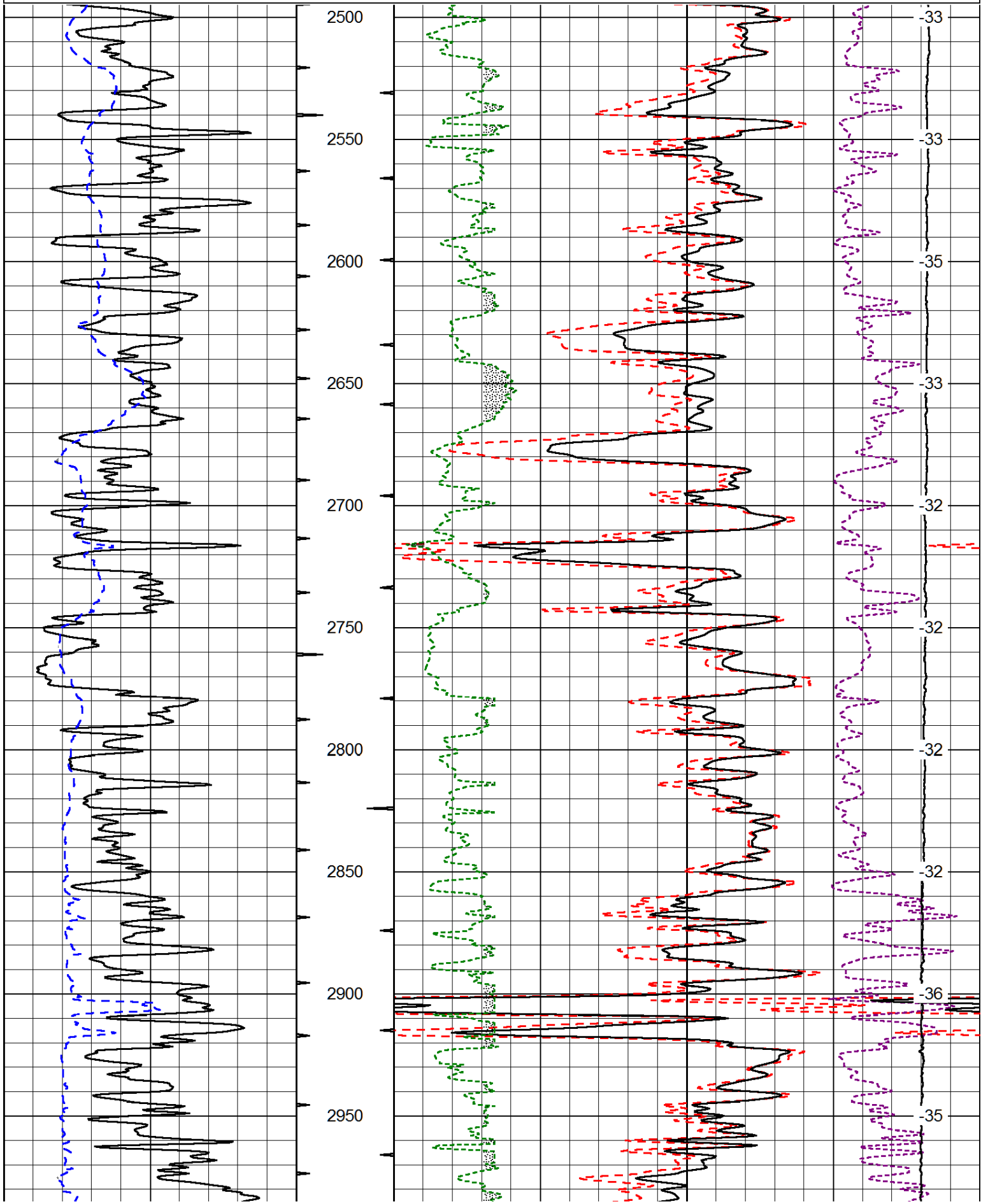
Thank you for using Log-Tech, Inc.
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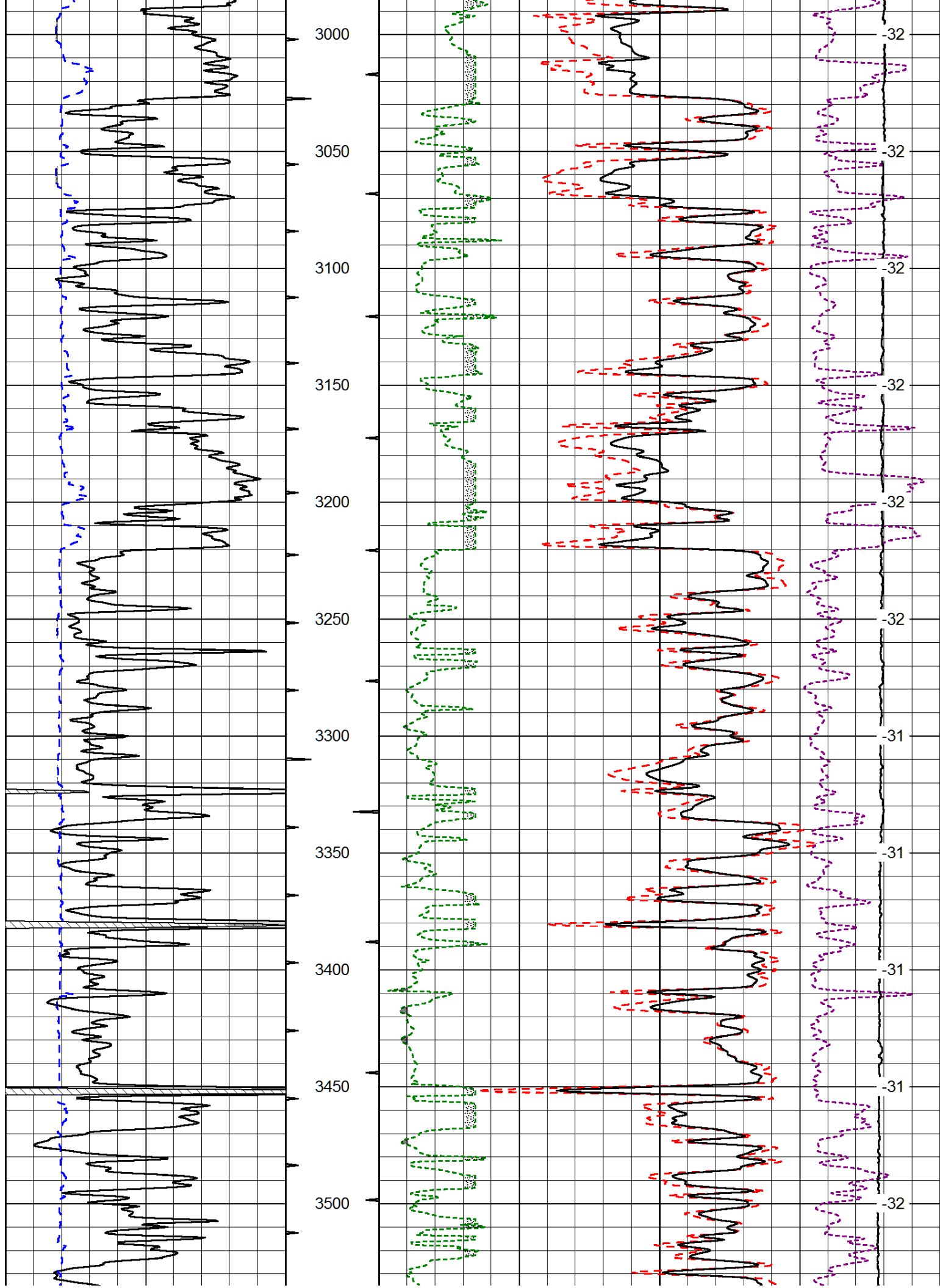
Hays,
North to Buckeye Rd, 3 1/4 West, 1/3 North,
East into

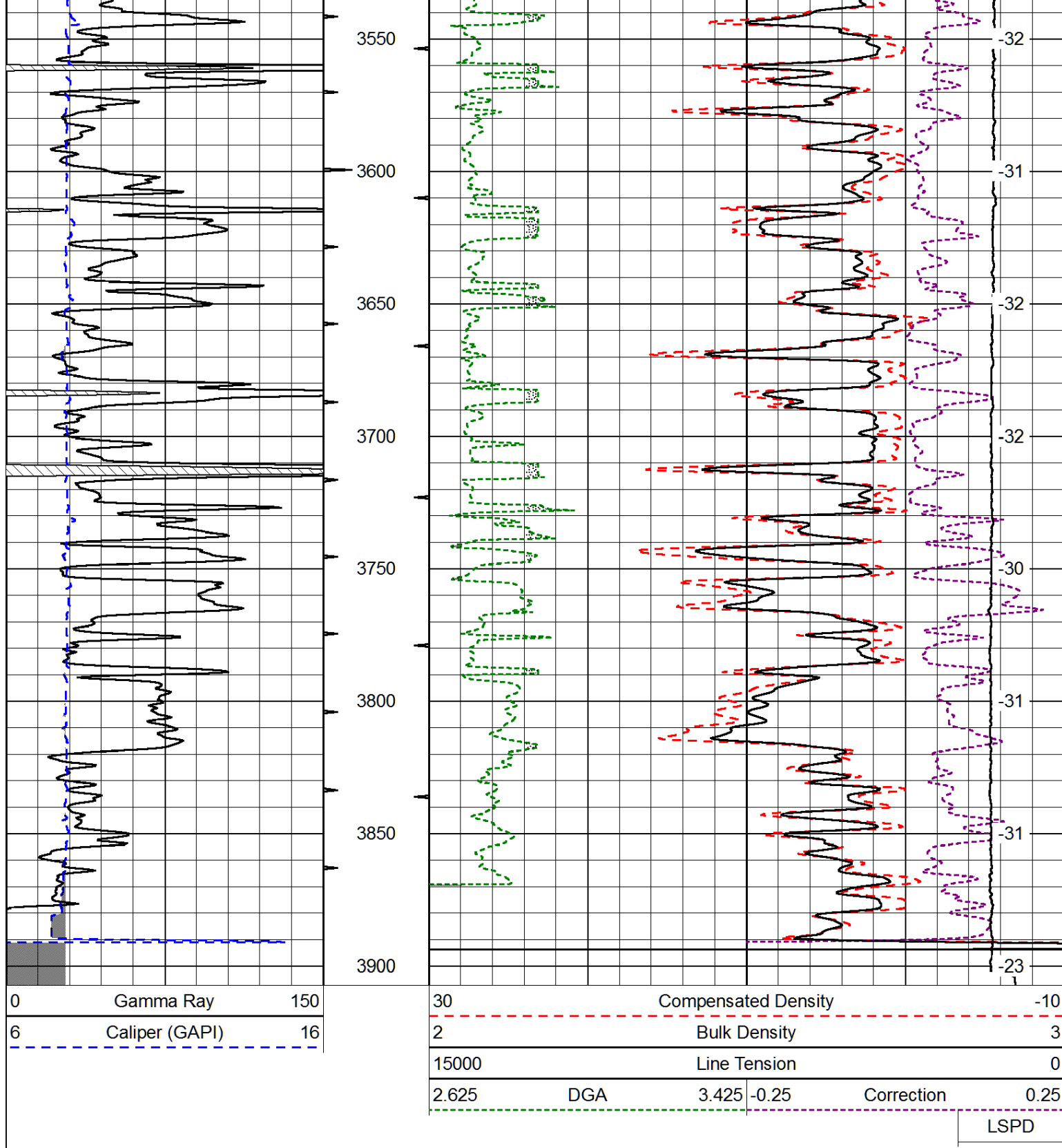
Database File: tdihd.db
Dataset Pathname: DIL/tdistl
Presentation Format: cdl
Dataset Creation: Thu May 22 14:25:36 2014
Charted by: Depth in Feet scaled 1:600

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: tdihd.db			
Dataset Pathname: DIL/tdistl			
Presentation Format: cndlspec			
Dataset Creation: Thu May 22 14:25:36 2014			
Charted by: Depth in Feet scaled 1:240			
0	Gamma Ray	150	30
6	Caliper (GAPI)	16	30
		CNLS	
		Compensated Density (2.71 ma)	
2.625	DGA	3.425	0.25
		Line Tension	
		10000	

