



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26504-00-00

Company TDI, Inc.

Well GR #2

Field Martina North

County Ellis

State Kansas

Location 1565' FNL & 330' FWL

Other Services
DIL/MEL

Sec: 14 Twp: 15 S Rge: 19 W

Permanent Datum Ground Level Elevation 2009
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2019
D.F.
G.L. 2009

Date 04-26-2013

Run Number One

Type Log CNL / CDL

Depth Driller 3750

Depth Logger 3751

Bottom Logged Interval 3730

Top Logged Interval 2900

Type Fluid In Hole Chemical

Salinity, PPM CL 4500

Density 9.1

Level Full

Max. Rec. Temp. F 116

Operating Rig Time 3 1/2 Hours

Equipment -- Location 91 Hays

Recorded By Y. Ruiz

Witnessed By Tom Denning

Herb Deines

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 00 1227 8.625 23# 00 1227

Two 7.875 1227 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.

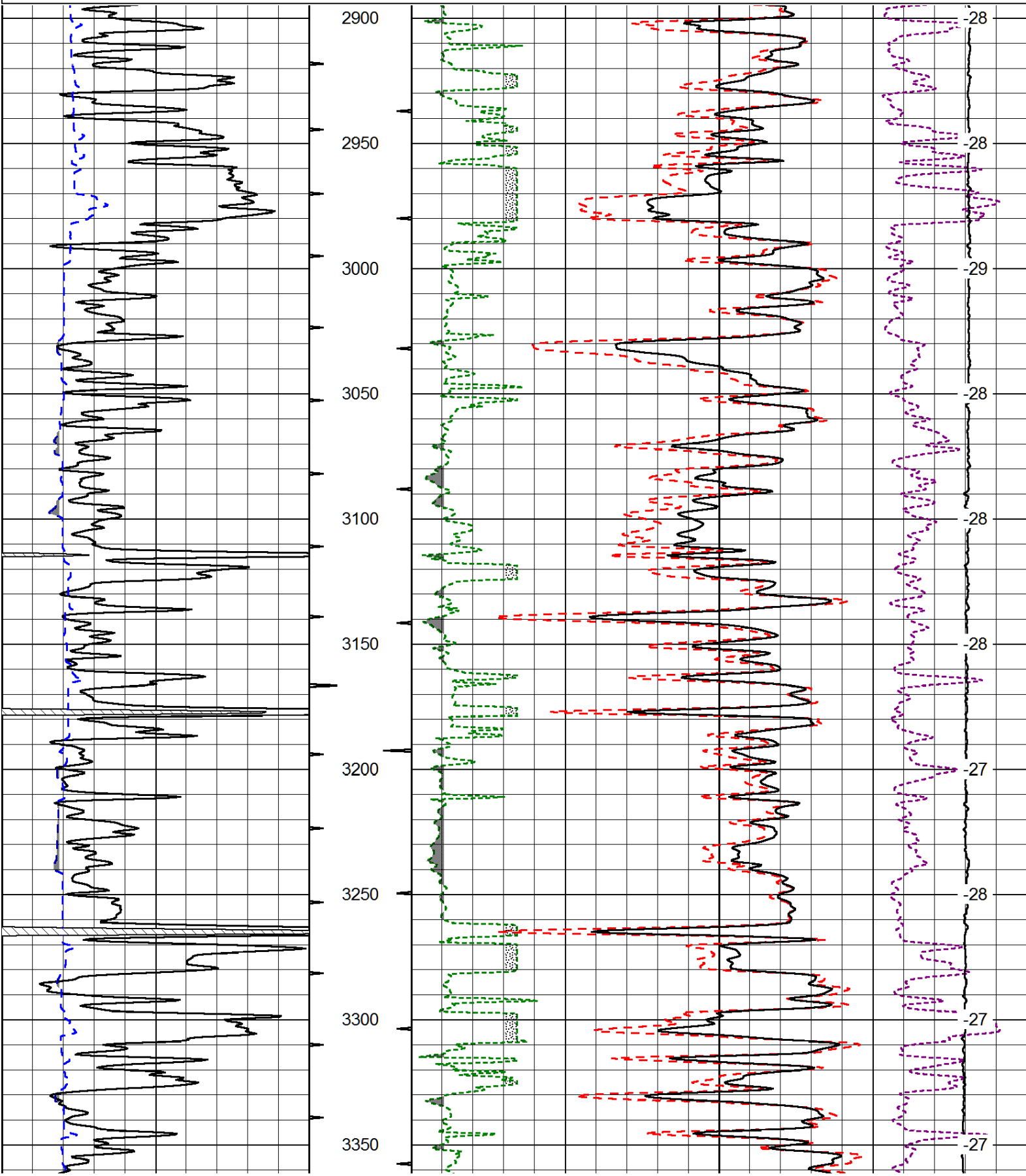
Comments

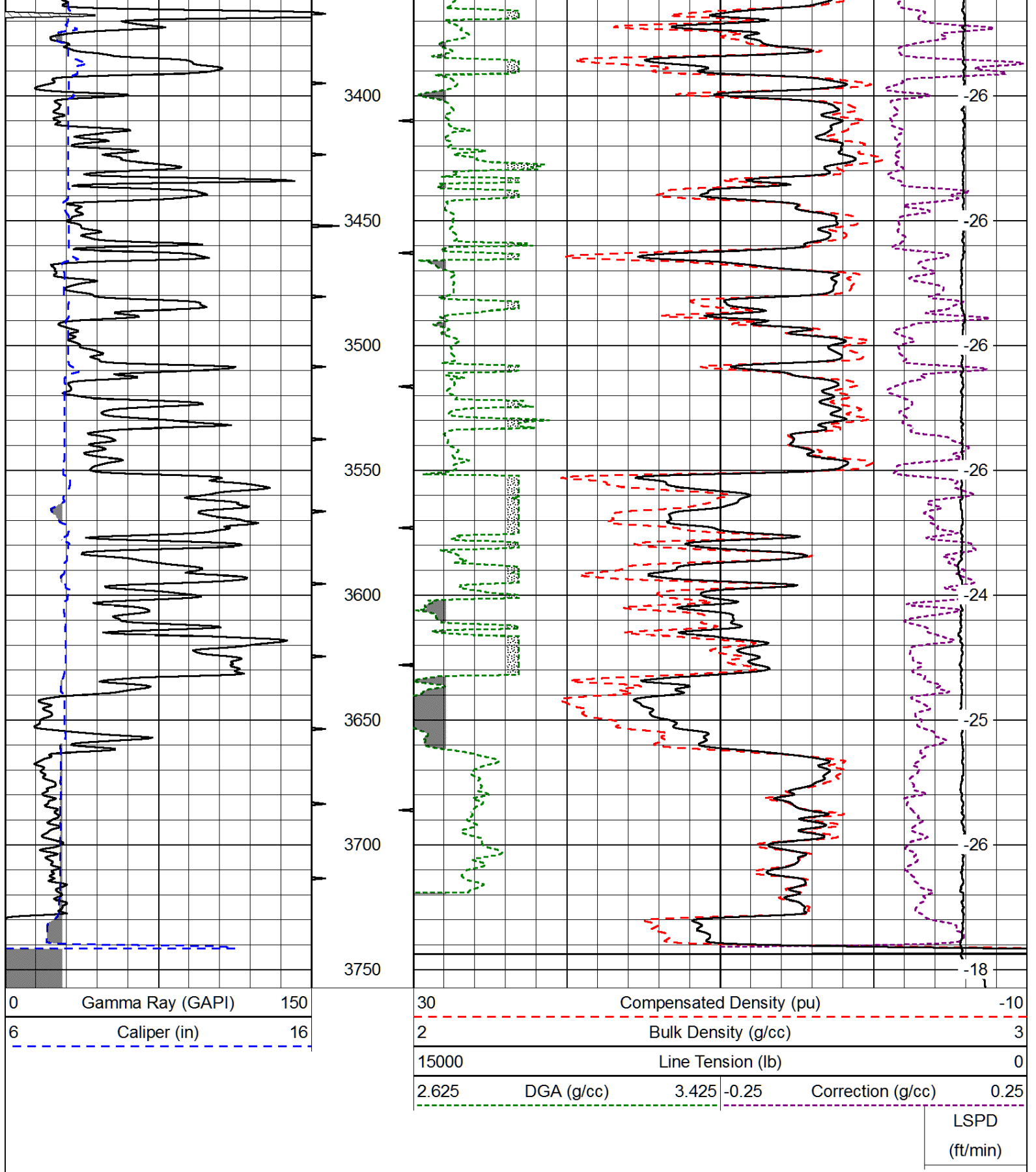
Thank you for using Log-Tech, Inc.
(785) 625-3858

Antonino,
1 West, 2 South,
East and South at the TB

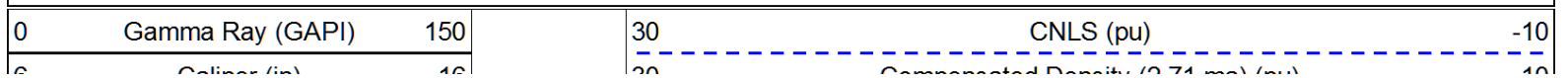
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

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: tdi_042613hd.db
Dataset Pathname: DIL/tdistk
Presentation Format: cndlspec
Dataset Creation: Fri Apr 26 03:55:51 2013
Charted by: Depth in Feet scaled 1:240



50	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)

