



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26,602-00-00

Company TDI, Inc.

Well Henry No.1

Field Ellis Southeast

County Ellis

State Kansas

Location 1325' FSL & 2000' FWL

Sec: 5 Twp: 13S Rge: 20W

Other Services
DIL/MEL

Permanent Datum Ground Level Elevation 2133
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2143
D.F. 2133
G.L. 2133

Date 10/22/2013

Run Number One

Type Log CNL / CDL

Depth Driller 3931

Depth Logger 3931

Bottom Logged Interval 3910

Top Logged Interval 3100

Type Fluid In Hole Chemical

Salinity, PPM CL 2,000

Density 9.1

Level Full

Max. Rec. Temp. F 115

Operating Rig Time 3 1/2 Hours

Equipment -- Location 17 Days

Recorded By C. Desaire

Witnessed By Tom Denning

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	222	8.625	23#	00	222
Two	7.875	222	TD				

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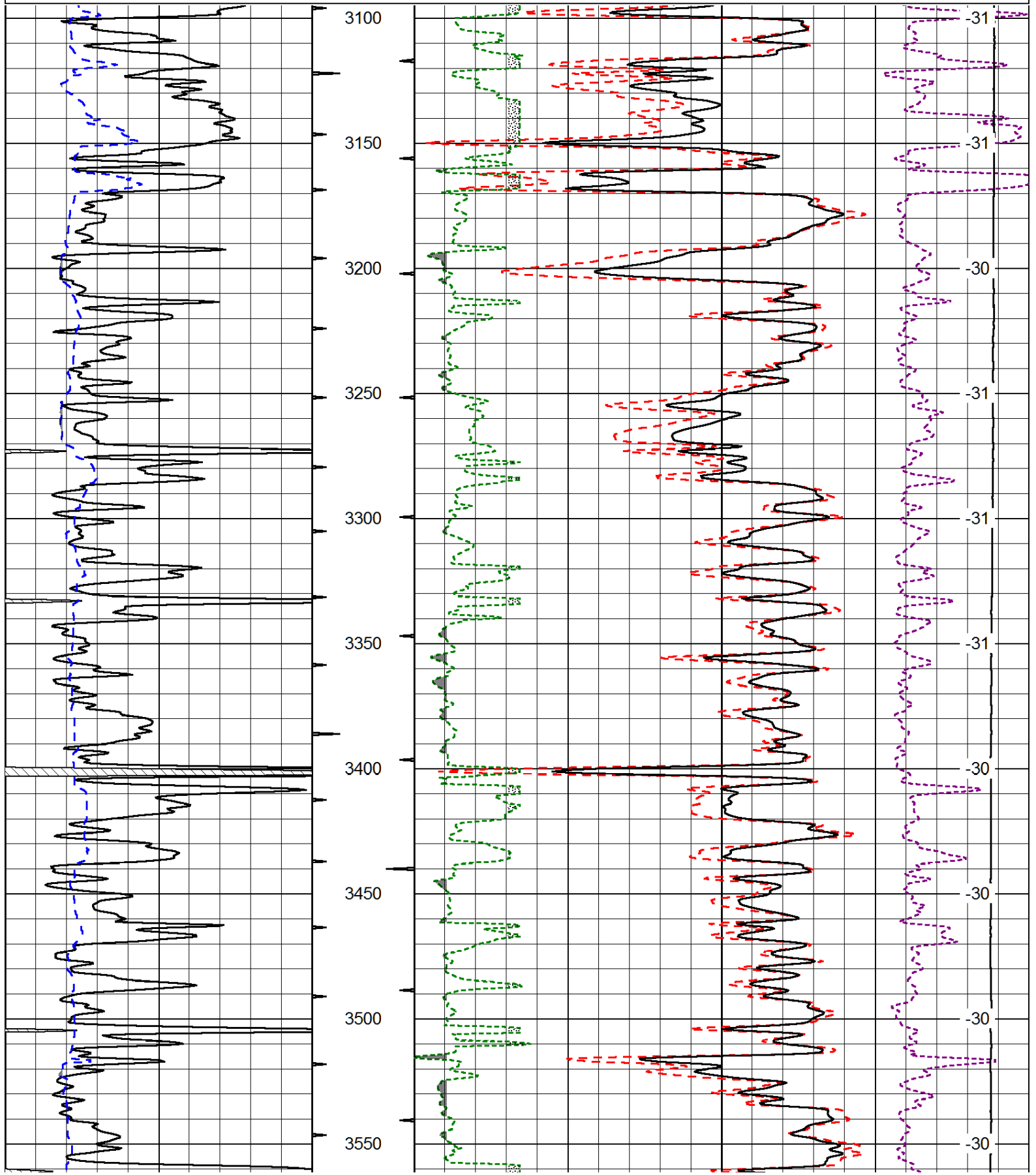
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

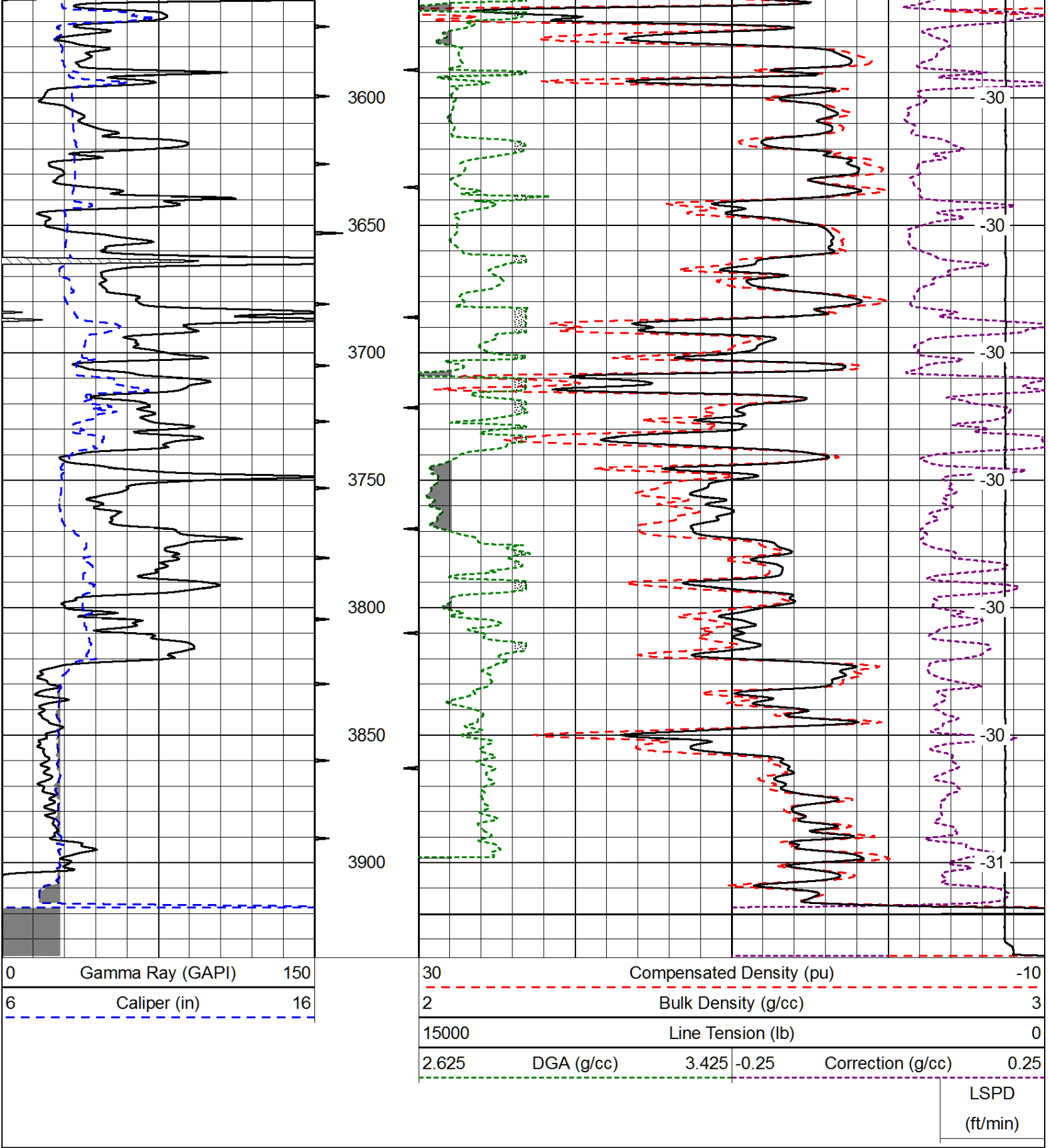
Comments

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

Ellis KS, 3 blks W on 3rd St, W Into

Charted by: Depth in Feet scaled 1:600					
0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)	-10
6	Caliper (in)	16	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:	tdihd.db
Dataset Pathname:	dil/tdistk
Presentation Format:	cnslspec
Dataset Creation:	Tue Oct 22 22:10:34 2013
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	30	CNLS (pu)	-10
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)

