



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-047-21633-00-00

Company **Toto Energy, LLC**

Well **Bull Schultz #10-1**

Field **Wil**

County **Edwards**

State **Kansas**

Location **1320' FNL & 1200' FWL**

Other Services
DIL/MEL

Sec: **10** Twp: **26S** Rge: **16W**

Permanent Datum **Ground Level** Elevation **2062**

Log Measured From **Kelly Bushing** 13 Ft. Above Perm. Datum

K.B. 2075
D.F. 2062
G.L. 2062

Drilling Measured From **Kelly Bushing**

Elevation

Date **05-05-2014**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **4845**

Depth Logger **4844**

Bottom Logged Interval **4815**

Top Logged Interval **3700**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **8200**

Density **9.6**

Level **Full**

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

Operating Rig Time **3 hours**

Equipment -- Location **91 Hays**

Recorded By **D. Schmidt**

Witnessed By **Sean Deenhan**

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

23#

From

To

<<< Fold Here >>>

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

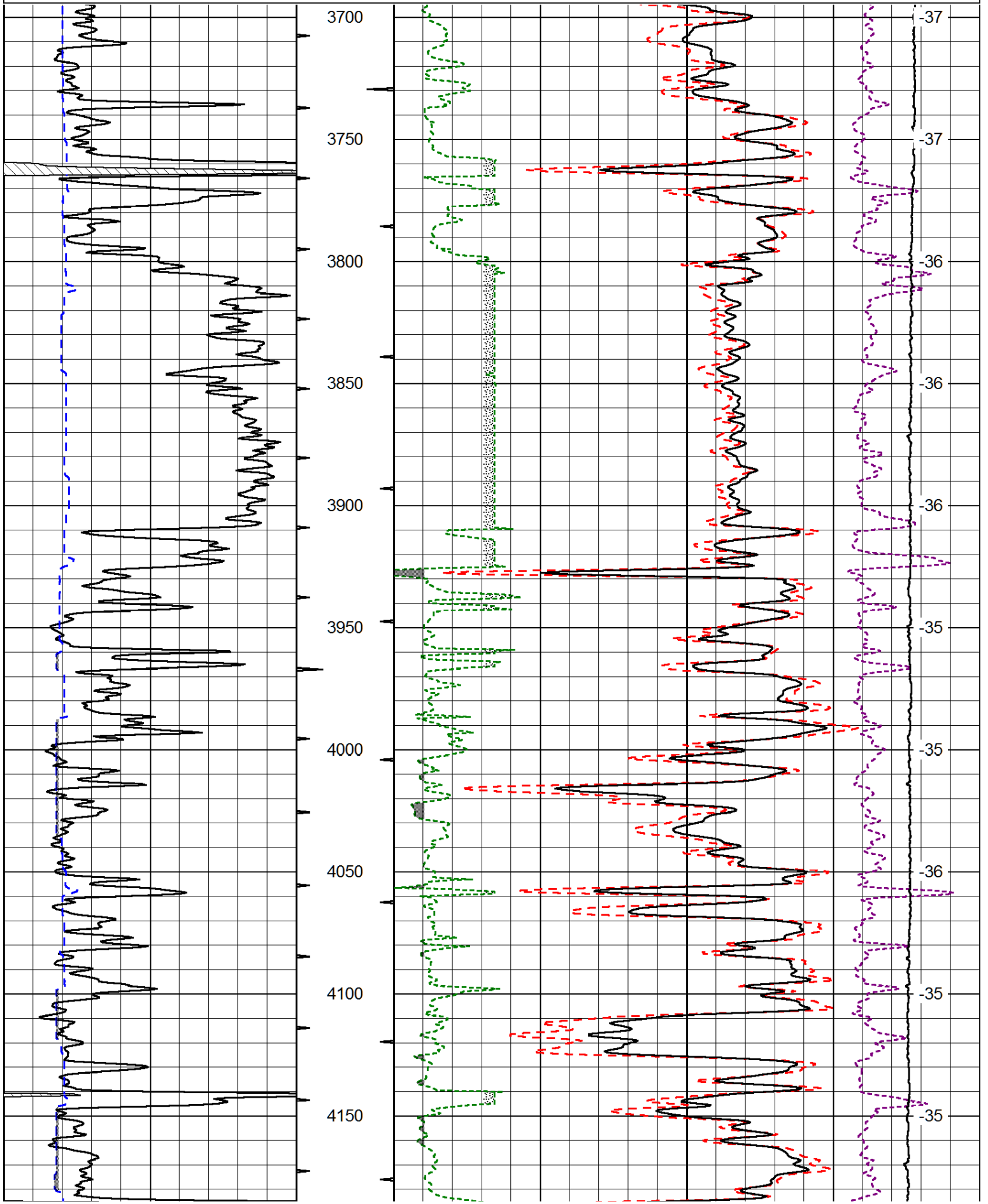
Thank you for using Log-Tech, Inc.
(785) 625-3858

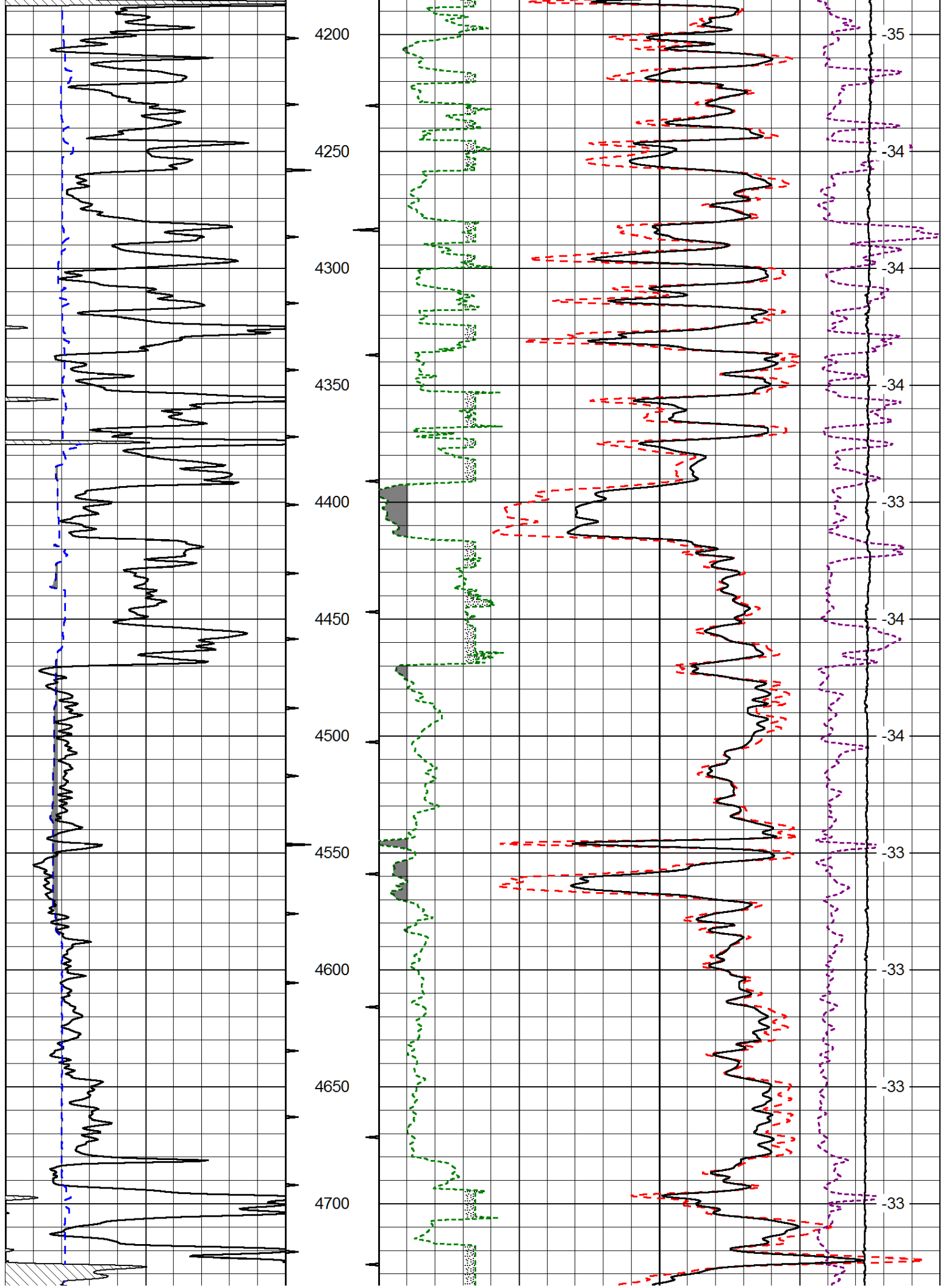
Trousdale,
South to T Rd, 1 East, 1/4 South,
East into

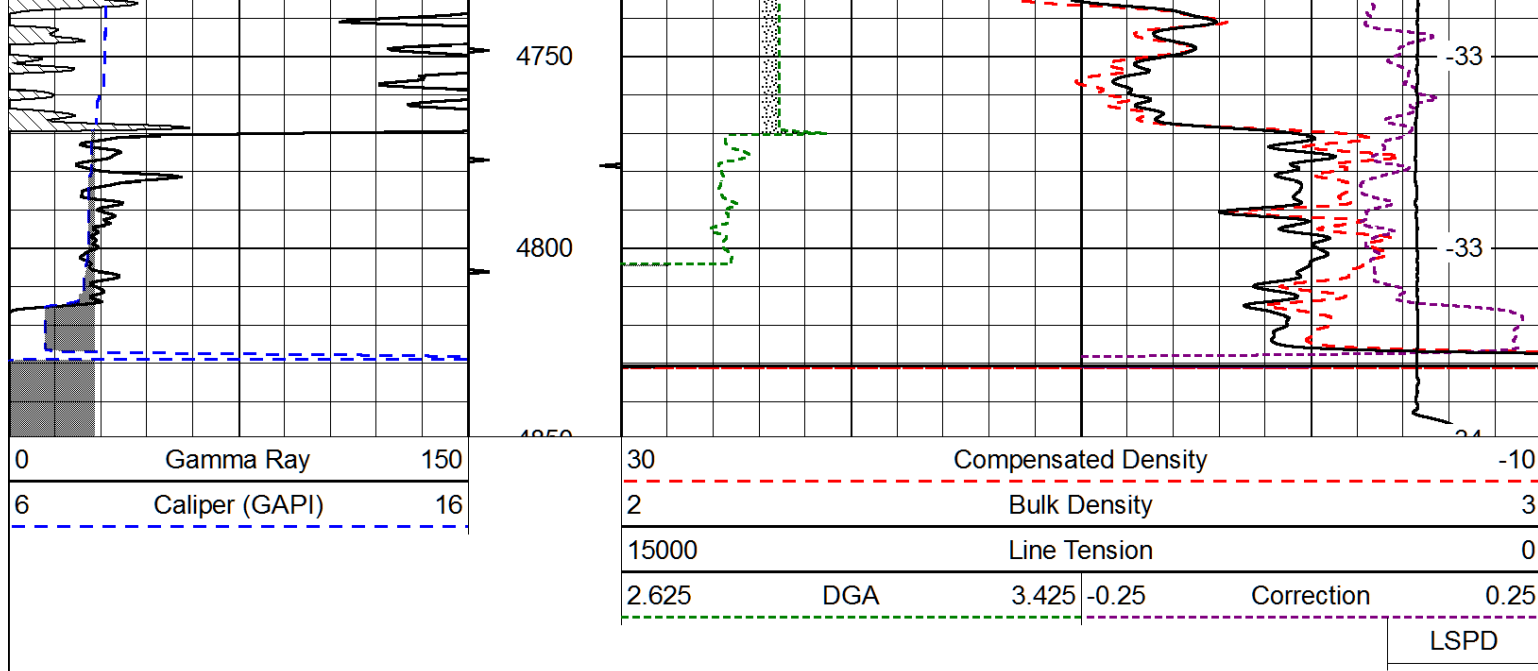
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Dataset Pathname: dil/tostkml
Presentation Format: cdl
Dataset Creation: Mon May 05 23:21:59 2014
Charted by: Depth in Feet scaled 1:600

Gamma Ray	150
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: toto_050514hd.db
 Dataset Pathname: dil/tostkml
 Presentation Format: cndlspec
 Dataset Creation: Mon May 05 23:21:59 2014
 Charted by: Depth in Feet scaled 1:240

