



Pioneer Energy Services

Dual Compensated Porosity Log

Company Toto Energy, LLC
Well Acoustic Guitar #16-1
Field Wil
County Edwards **State** Kansas
Location W2 W2 E2 SE
 1320' FSL / 1100' FEL
Sec: 16 **Twp:** 25S **Rge:** 16W
Other Services DIL/MEL
Elevation 2072

API No. 15-047-21641-00-00
Permanent Datum Ground Level **Elevation** 2072
Log Measured From Kelly Bushing **10 Ft. Above Perm. Datum**
Drilling Measured From Kelly Bushing **G.I.L. 2072**

Date	10/24/2014	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4820	
Depth Logger	4818	
Bottom Logged Interval	4797	
Top Logged Interval	3600	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	6700	
Density	9.1	
Level	Full	
Max. Rec. Temp. F	124	
Operating Rig Time	4 Hours	
Equipment -- Location	10 Hays	
Recorded By	R. Barnhart	
Witnessed By	Sonja McDanel	

Borehole Record		Casing Record					
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	359	8.625	23#	00	359
Two	7.875	359					

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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

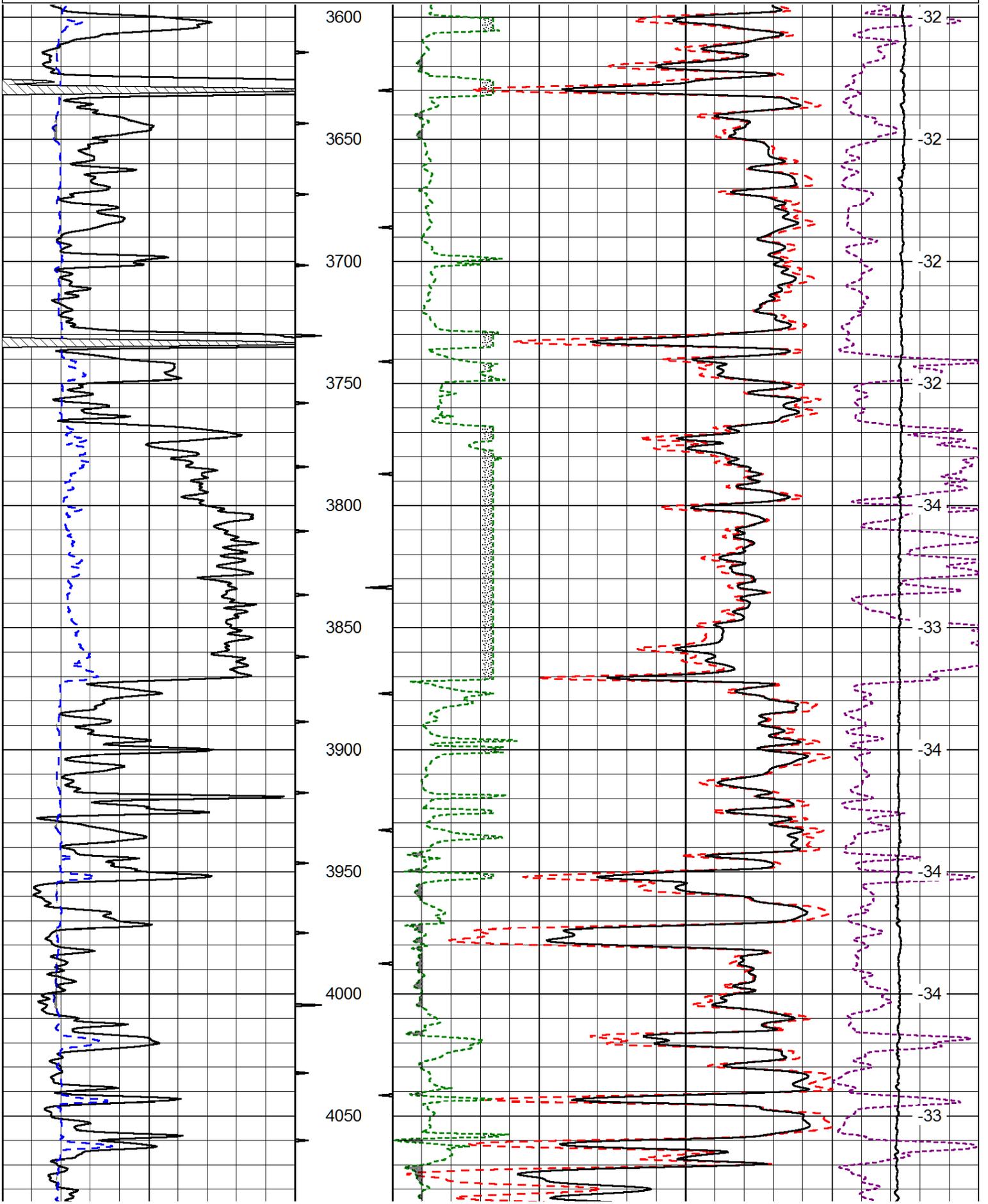
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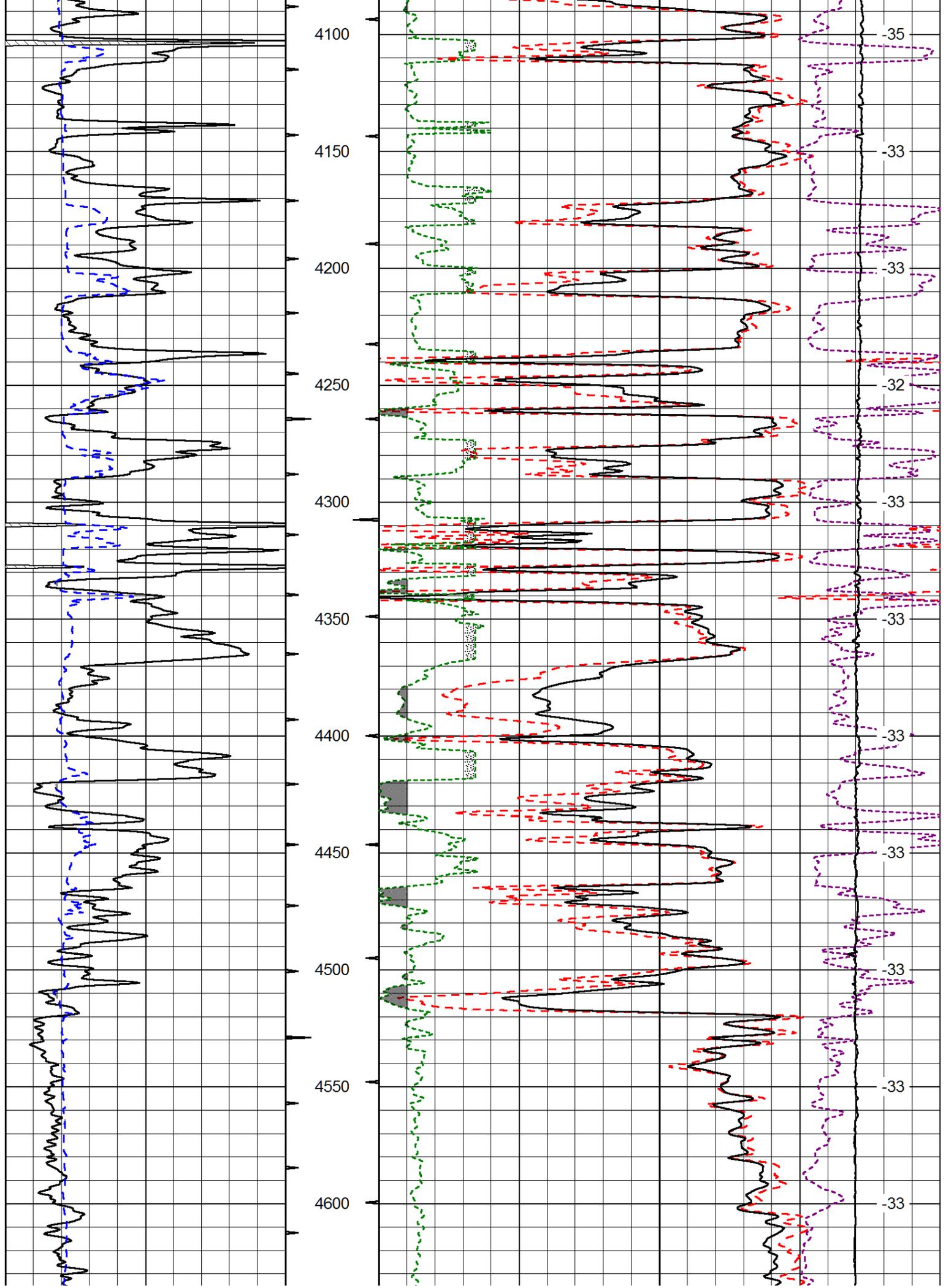
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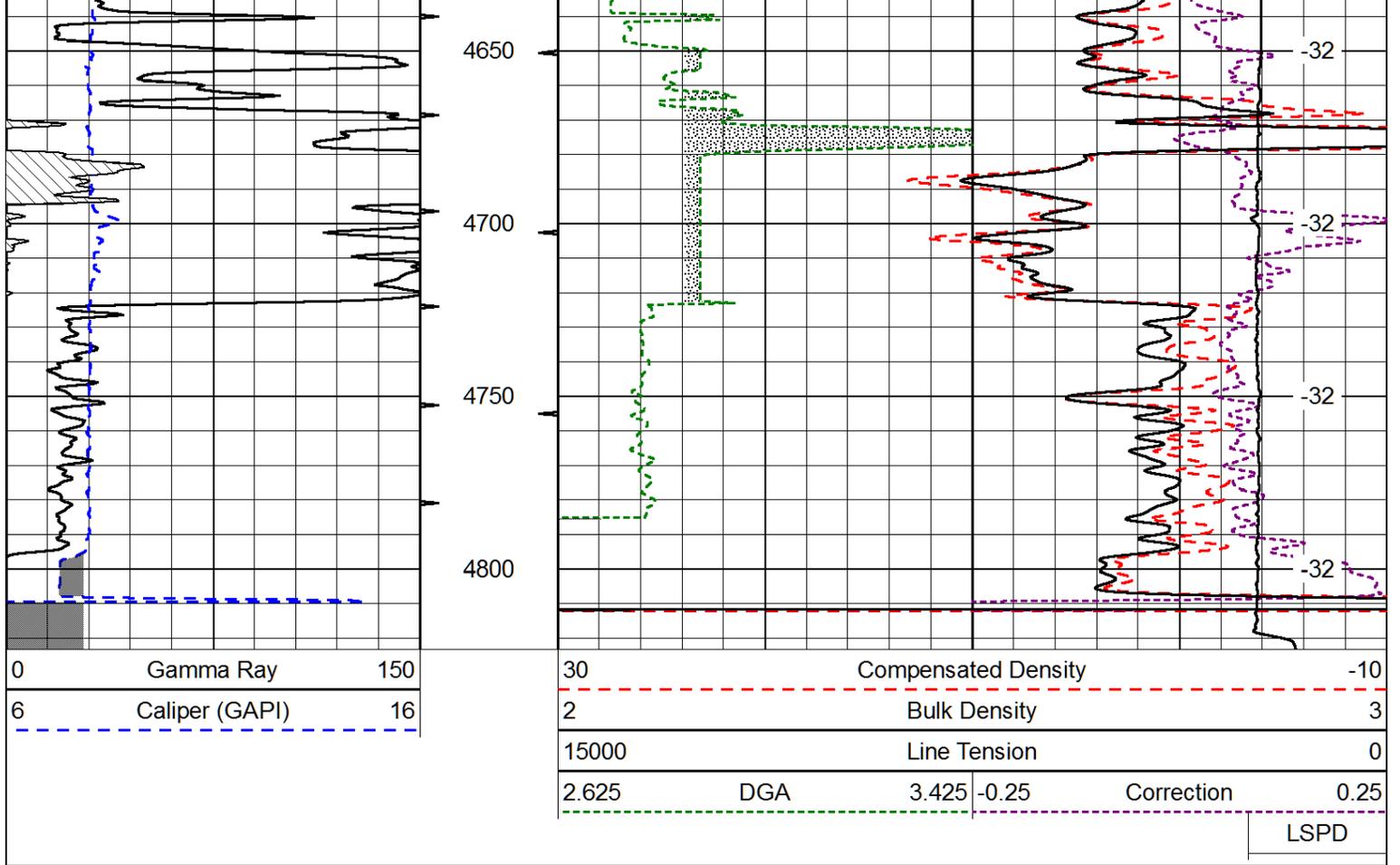
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 Dataset Pathname: dil/totmain
 Presentation Format: cdl
 Dataset Creation: Fri Oct 24 11:51:18 2014
 Charted by: Depth in Feet scaled 1:600

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: toto_acouhd.db
 Dataset Pathname: dil/totmain
 Presentation Format: cndlspec
 Dataset Creation: Fri Oct 24 11:51:18 2014
 Charted by: Depth in Feet scaled 1:240

