



Pioneer Energy Services

Dual Compensated Porosity Log

15-109-21,122-00-00

API No.

Company G. L. Allison Oil Operations, Inc.
Well Younkin #21-TATE
Field Younkin West
County Logan
State Kansas

Location 2310' FNL & 330' FWL
Sec: 21 **Twp:** 12 S **Rge:** 32 W

Other Services
 DIL
 MEL

Elevation
 K.B. 3048
 D.F. G.L. 3041

Date	9/09/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4740	
Depth Logger	4742	
Bottom Logged Interval	4721	
Top Logged Interval	3800	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	2,600	
Density Level	9.3	
Level	Full	
Max. Rec. Temp. F	125	
Operating Rig Time	4 1/2 Hours	
Equipment -- Location	91 Hays	
Recorded By	K. Bange	
Witnessed By	Greg Allison	

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	267	8.625	24#	00	267
2	7.875	267	4740				

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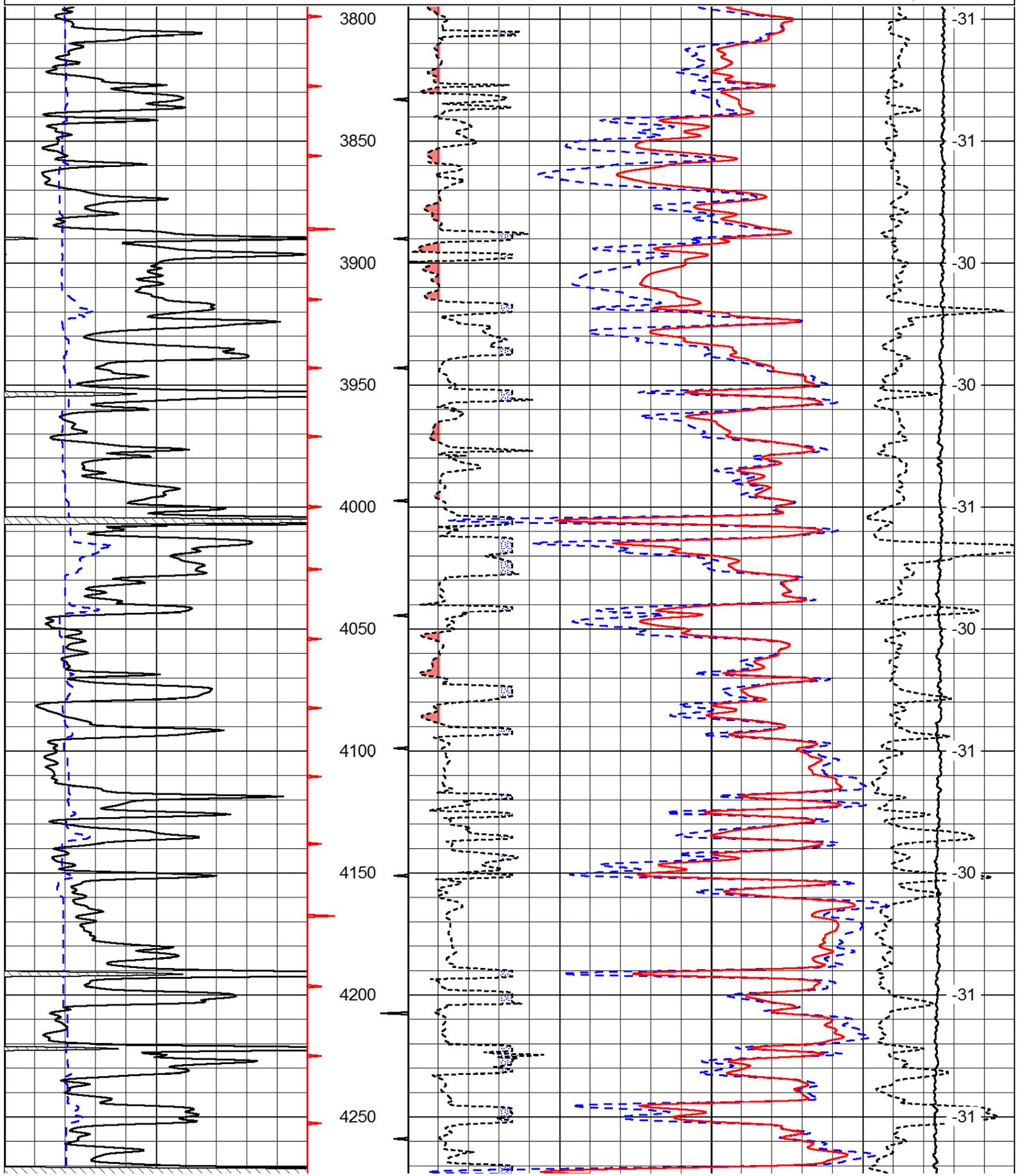
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

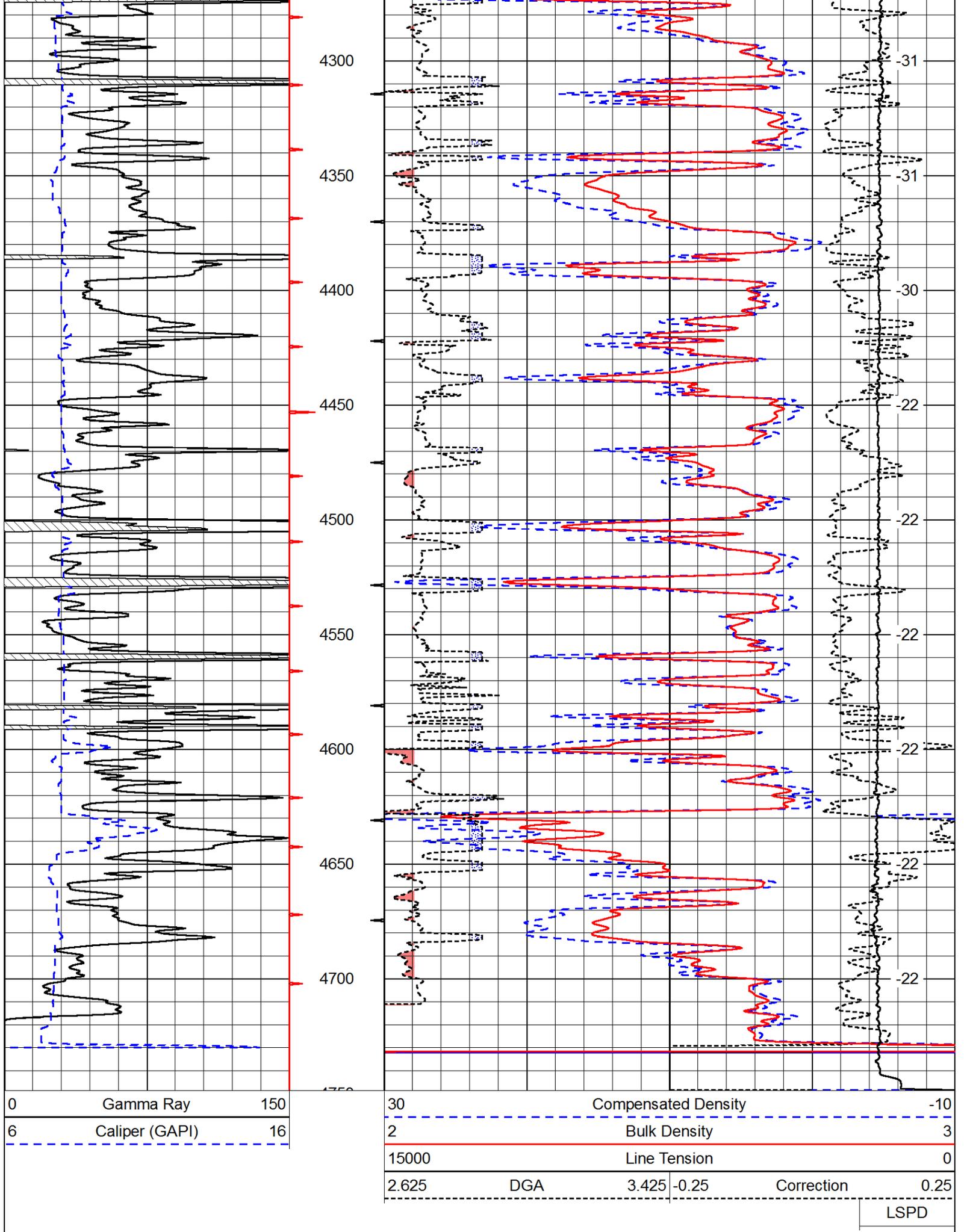
Comments

Thank you for using Pioneer Energy Services
 www.pioneer.com
 785 625 3858
 Oakley, 8 S to Ute rd,
 1 W, 1/2 N,
 3/4 W, N into

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: c:\warrior\data\g. l. allison_youngkin #21-tate\glallison090912hd.db
 Dataset Pathname: dil/glstack
 Presentation Format: cndlspec
 Dataset Creation: Sun Sep 09 11:07:44 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)			-10	
30	Compensated Density (Limestone)			-10	
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension			0	

LSPD

