



Pioneer Energy Services

## Dual Compensated Porosity Log

API No.	15-101-22,402-00-00		
Company	Larson Engineering, Inc.		
Well	Thomas Paris No. 1 - 12		
Field	Hineman NW		
County	Lane	State	Kansas
Location	2048' FSL & 2439' FEL		
Sec: 12	Twp: 19 S	Rge: 29 W	Other Services DIL/MEL
Permanent Datum	Ground Level	Elevation	2796
Log Measured From	Kelly Bushing	7 Ft. Above Perm. Datum	K.B. 2803
Drilling Measured From	Kelly Bushing		D.F. 2796
			G.L. 2796

Date	10/14/2012		
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	4676		
Depth Logger	4676		
Bottom Logged Interval	4655		
Top Logged Interval	3600		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	2000		
Density	9.2		
Level	Full		
Max. Rec. Temp. F	123		
Operating Rig Time	4 1/2 Hours		
Equipment -- Location	108	Hays	
Recorded By	D. Martin		
Witnessed By	Bob Lewellyn		

Borehole Record				Casing Record			
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	261	8.625	23#	00	261
Two	7.875	261	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

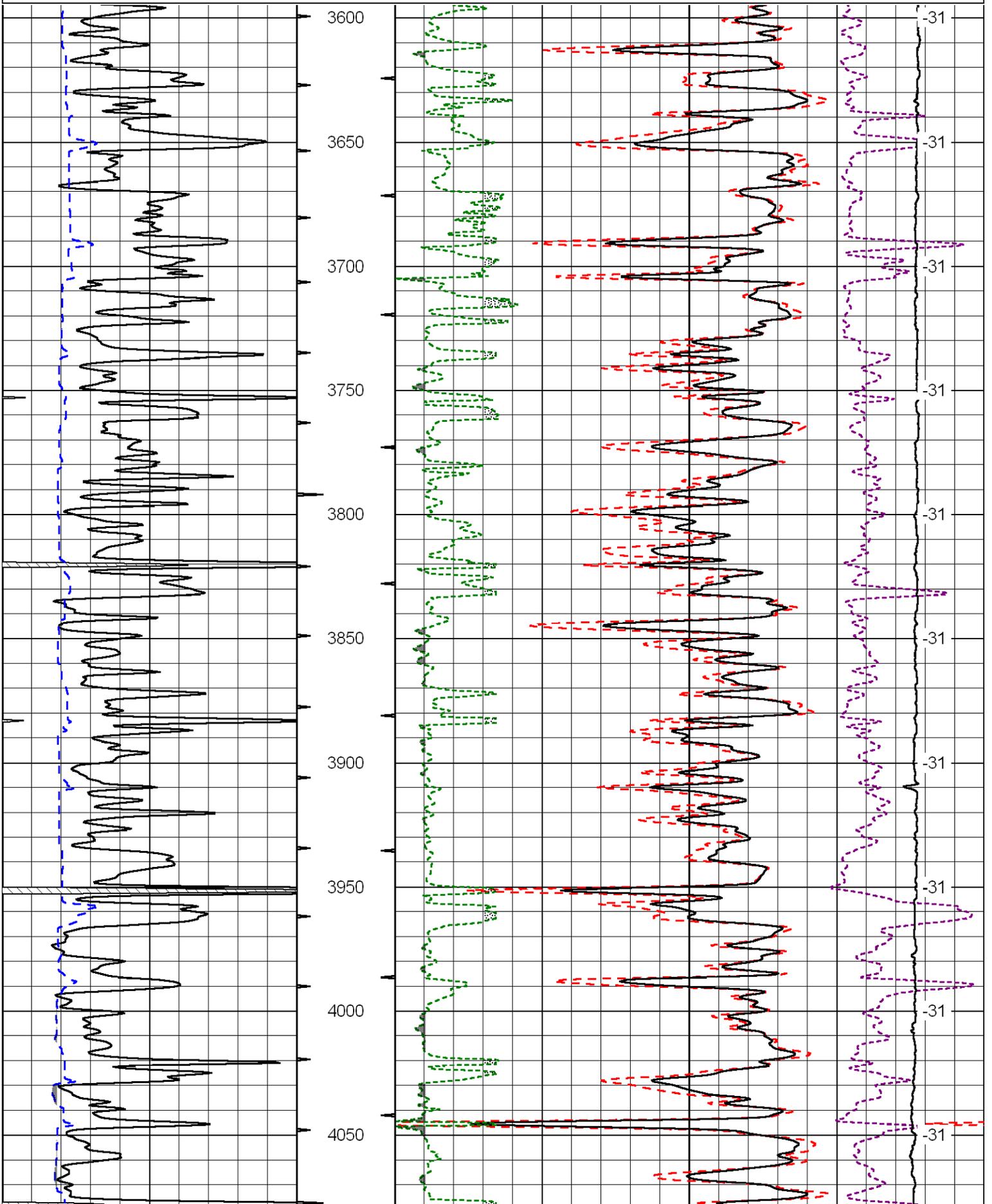
Thank you for using Log-Tech, Inc.  
(785) 625-3858

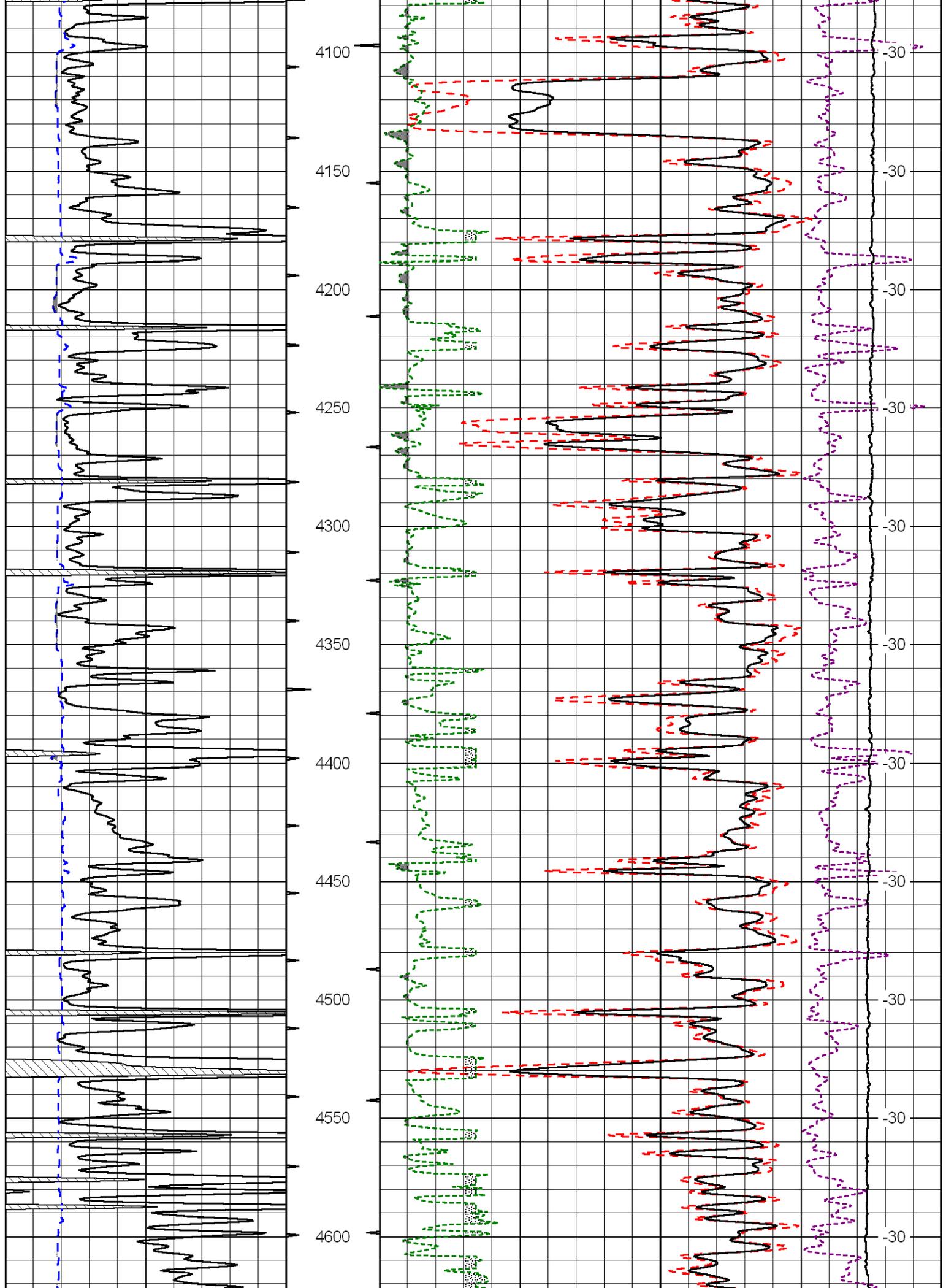
Dighton, KS  
4 1/2 S, W Into

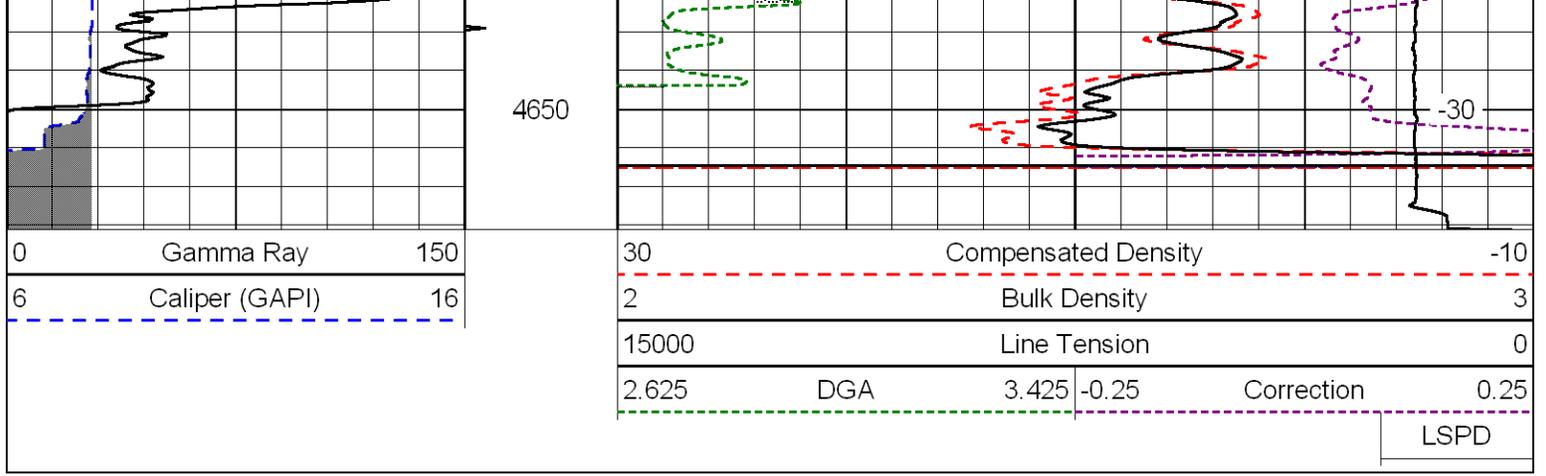
Database File:	larhd.db
Dataset Pathname:	DIL/larstk
Presentation Format:	cdl
Dataset Creation:	Sun Oct 14 14:18:56 2012
Charted by:	Depth in Feet scaled 1:600

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: larhd.db  
 Dataset Pathname: DIL/larstk  
 Presentation Format: cndlspec  
 Dataset Creation: Sun Oct 14 14:18:56 2012  
 Charted by: Depth in Feet scaled 1:240

