



Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-195-22,800-00-00

Company **Culbreath Oil & Gas Company, Inc.**
 Well **Deines No.1-29**
 Field **Splitter SW**
 County **Trego** State **Kansas**

Location **1650' FSL & 2210' FEL**

Sec: **29** Twp: **15S** Rge: **25W**

Other Services
DIL/MEL

Permanent Datum **Ground Level** Elevation **2515**
 Log Measured From **Kelly Bushing** 9 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

K.B. 2524
 D.F. G.L. 2515

Date	9/26/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4520	
Depth Logger	4526	
Bottom Logged Interval	4505	
Top Logged Interval	3600	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	3,200	
Density	9.4	
Level	Full	
Max. Rec. Temp. F	121	
Operating Rig Time	4 Hours	
Equipment -- Location	17 Hays	
Recorded By	C. Desaire	
Witnessed By	Pat Deenihan	

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt. 23#	From	To
One	12.25	00	272	8.625	00	272
Two	7.875	272	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

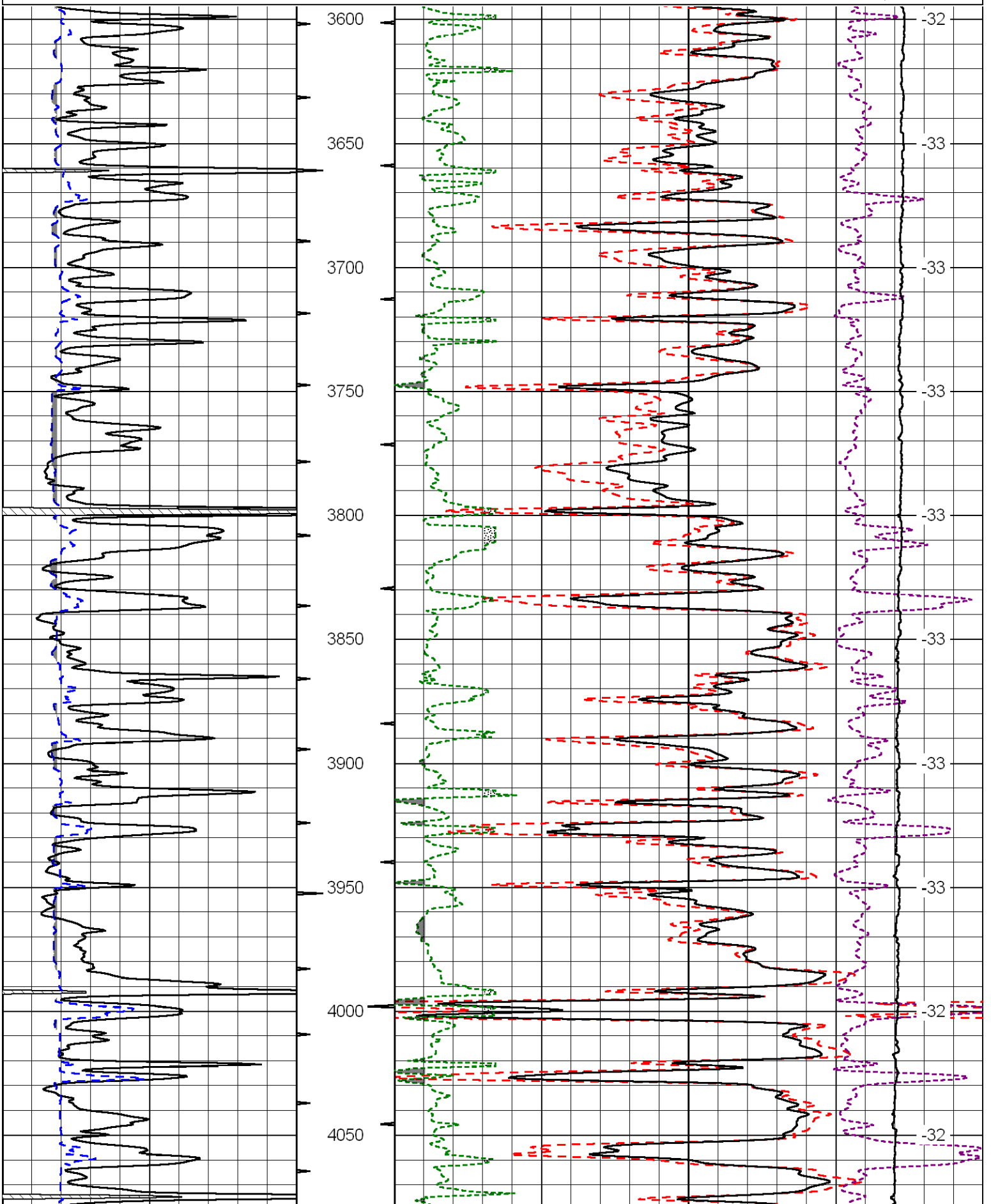
Thank you for using Log-Tech, Inc.
 (785) 625-3858

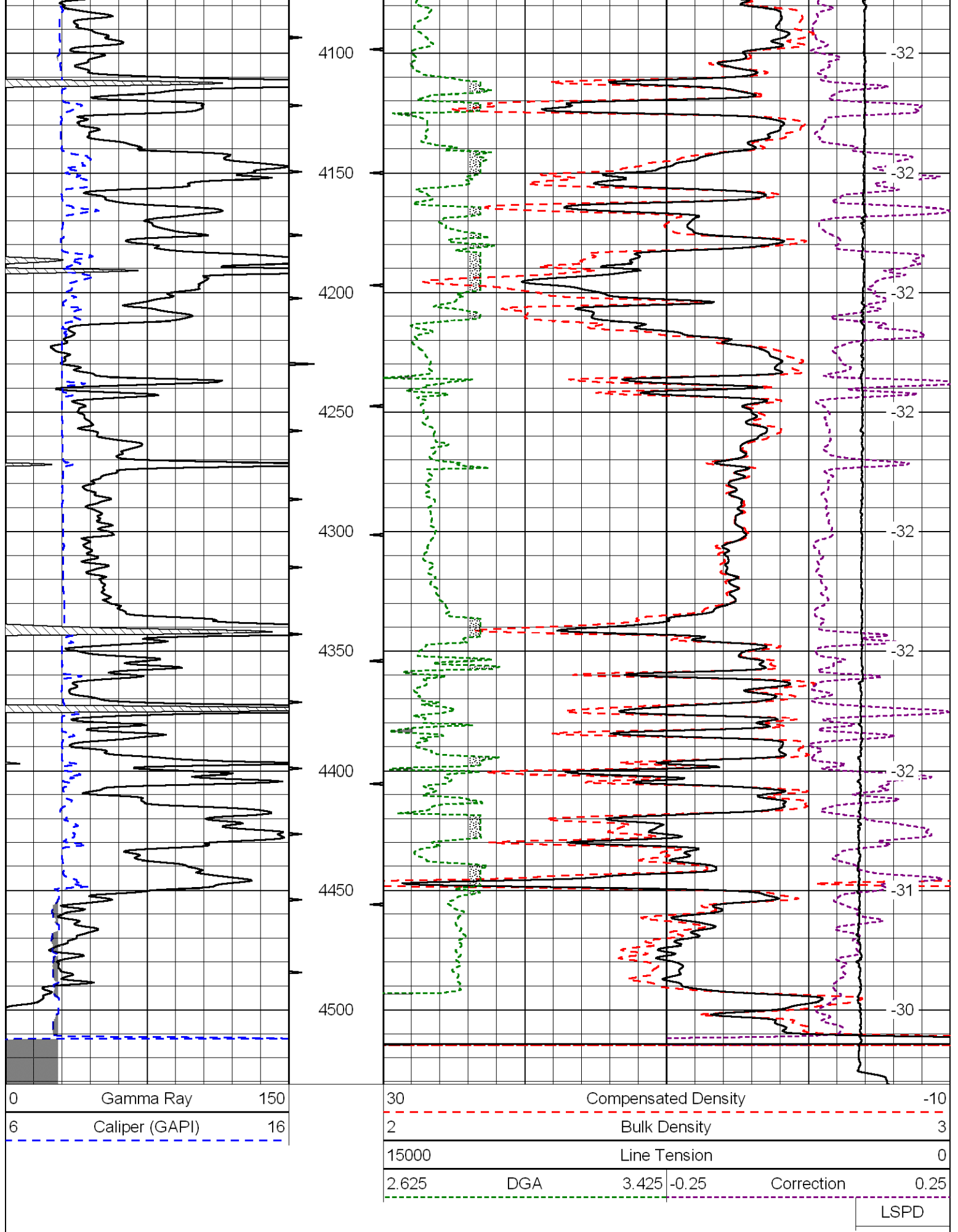
Arnold KS, 3 W to H Rd,
 4 N, 1 W, 1 N, 1/2 W, N Into

Database File: culbreathhd.db
 Dataset Pathname: dil/culstk
 Presentation Format: cdl
 Dataset Creation: Thu Sep 27 01:48:52 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			





Dataset Pathname: dil/culstk
 Presentation Format: cndlspec
 Dataset Creation: Thu Sep 27 01:48:52 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	CNLS			-10	
30	Compensated Density (2.71 ma)			-10	
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension			0	

LSPD

