



Pioneer Energy Services

## Dual Compensated Porosity Log

**Company** Gilbert-Stewart Operating, LLC  
**Well** Lincoln #18  
**Field** Chase-Silica  
**County** Rice **State** Kansas

**Location** 1900' FSL / 1830' FWL  
**Sec:** 28 **Twp:** 19S **Rge:** 9W

Other Services  
 DIL  
 MEL / BHCS

API No. 15-159-22778-00-00  
 Permanent Datum Ground Level Elevation 1709  
 Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum  
 Drilling Measured From Kelly Bushing

Elevation  
 K.B. 1718  
 D.F. G.I.L. 1709

Date	5/5/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	3350
Depth Logger	3348
Bottom Logged Interval	3327
Top Logged Interval	2400
Type Fluid In Hole	Chemical
Salinity, PPM CL	6900
Density	9.3
Level	Full
Max. Rec. Temp. F	110
Operating Rig Time	4 Hours
Equipment -- Location	17 Hays
Recorded By	R. Barnhart
Witnessed By	Derek Patterson

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt.	From	To
One	12.25	00	265	8.625	23#	00
Two	7.875	265				265

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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

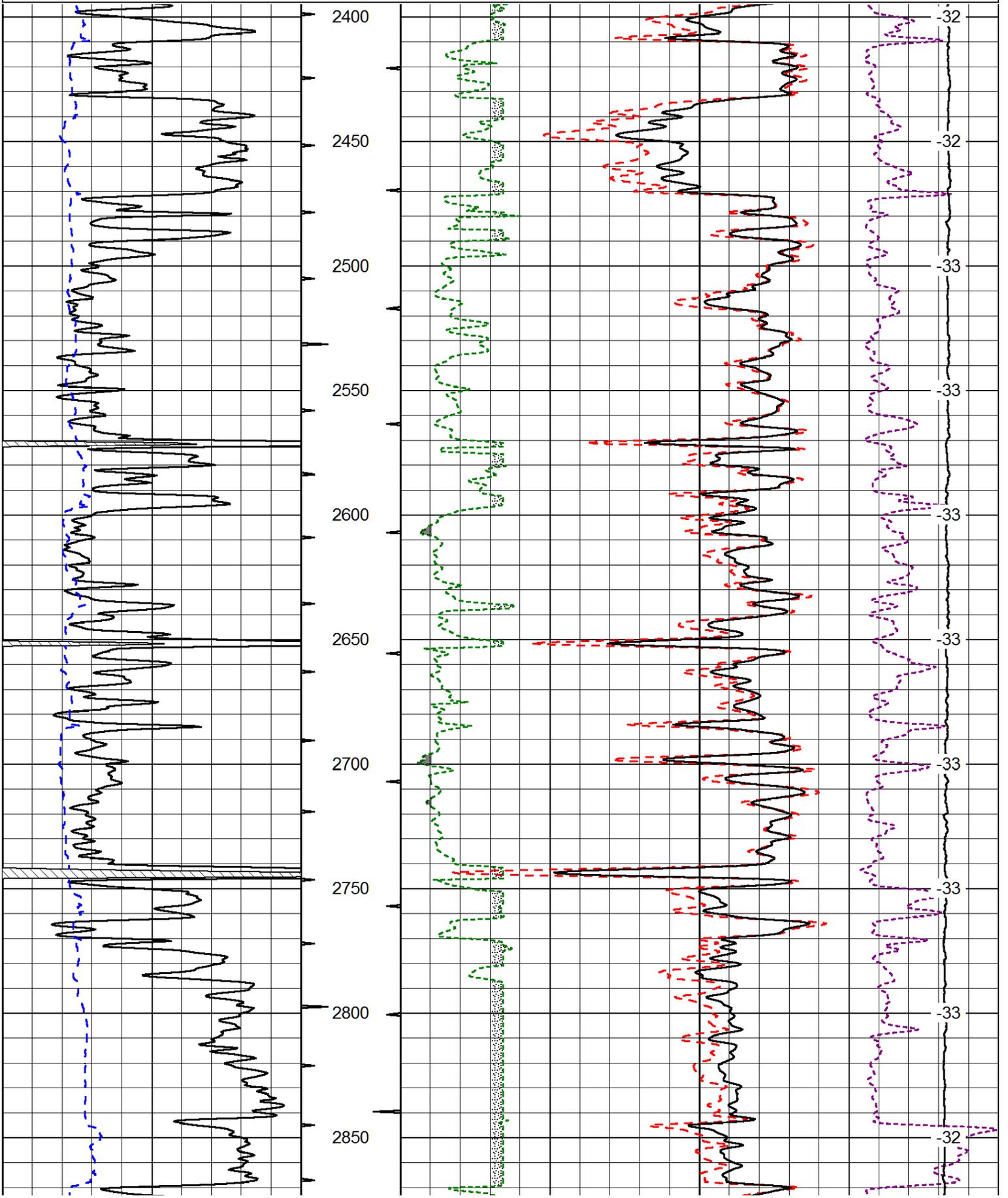
Thank you for using Log-Tech, Inc.  
 (785) 625-3858  
  
 Chase, KS:  
 1 1/2E, N into

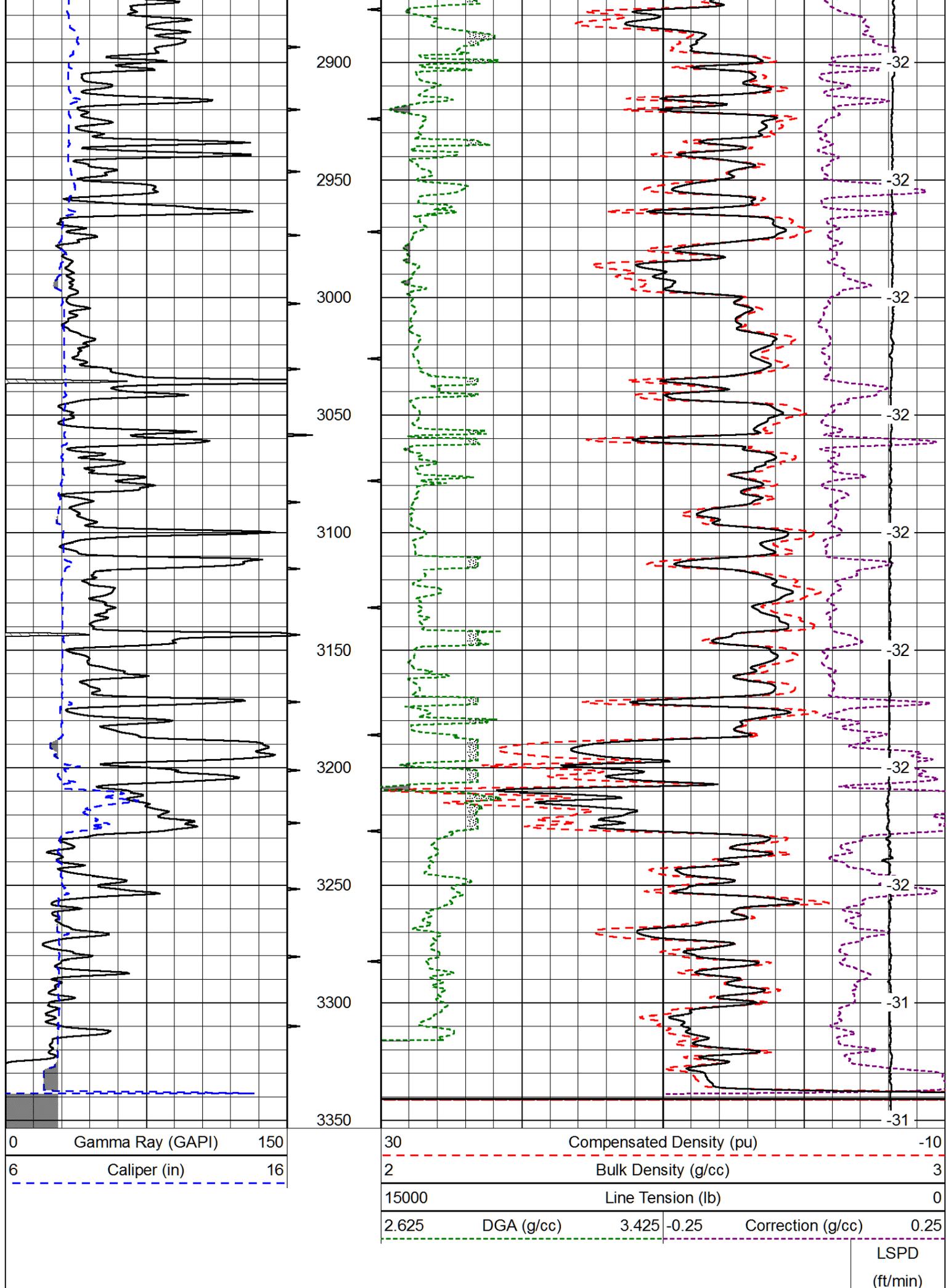
Database File: gilbertstewarhd.db  
 Dataset Pathname: dil/gsmain  
 Presentation Format: cdl  
 Dataset Creation: Mon May 05 08:44:34 2014  
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25

LSPD  
(ft/min)





0      Gamma Ray (GAPI)      150  
 6      Caliper (in)      16

30      Compensated Density (pu)      -10  
 2      Bulk Density (g/cc)      3  
 15000      Line Tension (lb)      0  
 2.625      DGA (g/cc)      3.425      -0.25      Correction (g/cc)      0.25

LSPD  
 (ft/min)

Database File: gilbertstewarhd.db  
 Dataset Pathname: dil/gsmain  
 Presentation Format: cndlspec  
 Dataset Creation: Mon May 05 08:44:34 2014  
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)	-10			
30	Compensated Density (2.71 ma) (pu)	-10			
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)	0			

