



Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-009-26,020-00-00

Company **Hamby Oil, LLC**
 Well **Miller No. 3**
 Field **Chase-Silica**
 County **Barton** State **Kansas**

Location **1650' FNL & 2310' FWL**

Sec: **16** Twp: **20s** Rge: **11w**

Other Services **DIL/MEL**

Permanent Datum **Ground Level** Elevation **1767**
 Log Measured From **Kelly Bushing** 8 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation **K.B. 1775**
D.F. 1767
G.L. 1767

Date	5/8/2014	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	3365	
Depth Logger	3366	
Bottom Logged Interval	3345	
Top Logged Interval	2700	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	9500	
Density	9.2	
Level	Full	
Max. Rec. Temp. F	110	
Operating Rig Time	4 Hours	
Equipment -- Location	108 Hays	
Recorded By	D.Fischer	
Witnessed By	Kurt Talbot	

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt.	From	To
One	12.25	00	267	8.625	23#	00
Two	7.875	267				267

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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

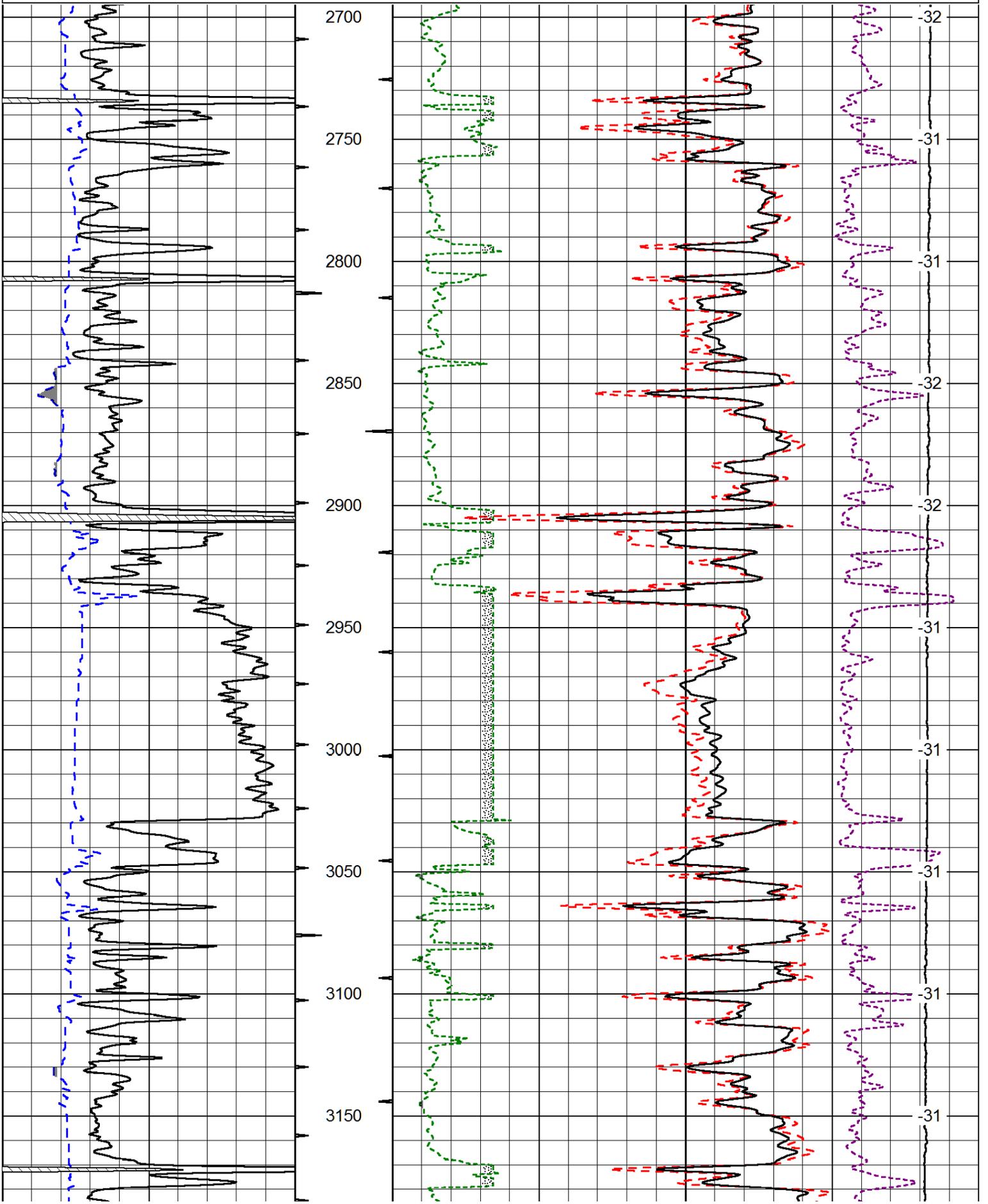
Thank you for using Log-Tech, Inc.
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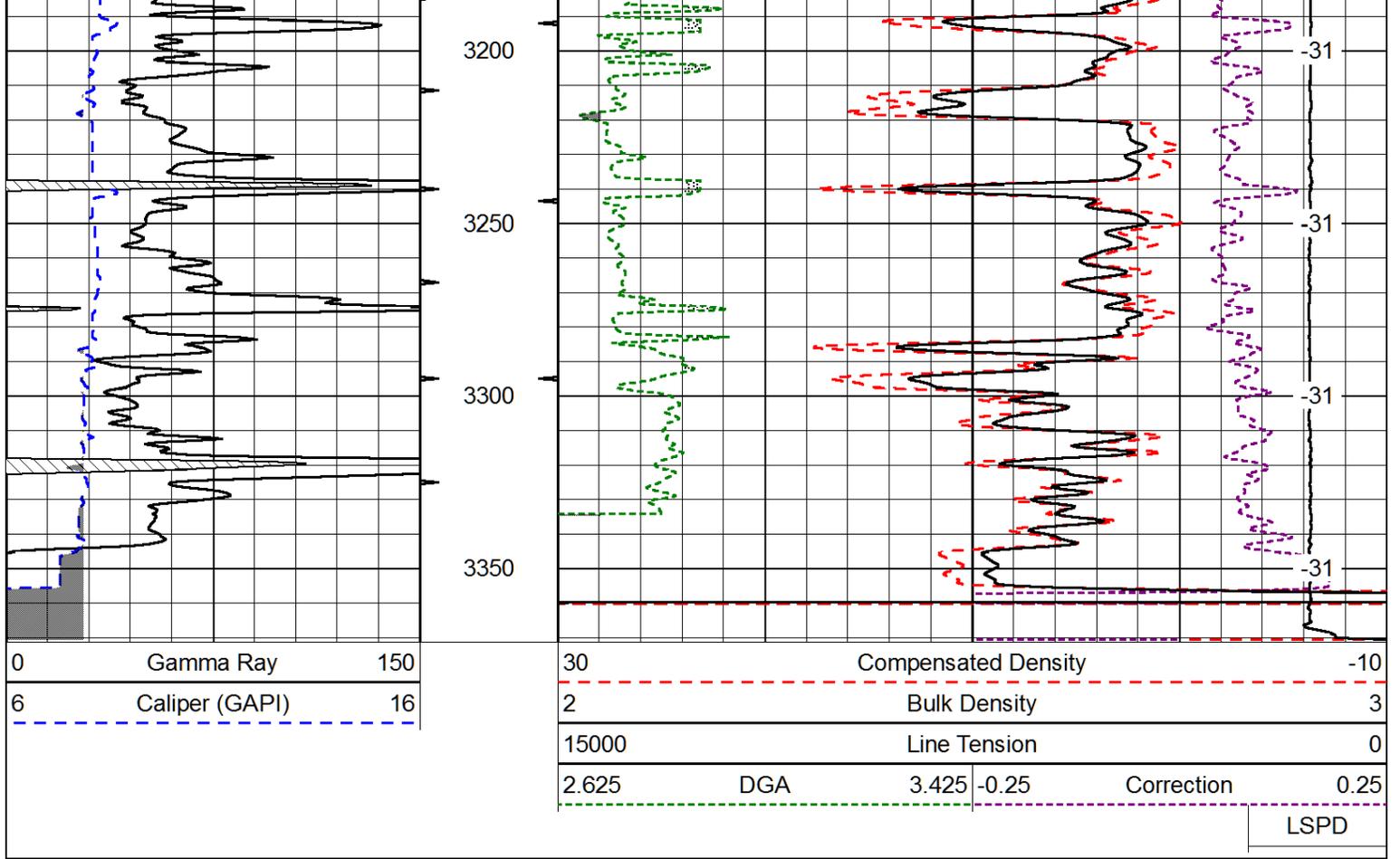
Ellinwood Ks., 2 South, 2 East, 1/2 South, East Into.

Database File: hamby_oil_miller_3hd.db
 Dataset Pathname: DIL/hbymain
 Presentation Format: cdl
 Dataset Creation: Mon Sep 08 12:59:42 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





Database File: hamby_oil_miller_3hd.db
 Dataset Pathname: DIL/hbymain
 Presentation Format: cndlspec
 Dataset Creation: Mon Sep 08 12:59:42 2014
 Charted by: Depth in Feet scaled 1:240

