LOG-TECH

DIGITAL LOG

(785) 625-3858

Dual Compensated Porosity Log

API No.	15-039-21,085-00-00

Company	Murfin Drilling Company, Inc.
Well	Heilman No. 1-12
Field	Wildcat
County	Decatur	State	Kansas

Location	750' FNL & 370' FWL
Sec: 12	Twp: 3 S	Rge: 27 W

	Elevation 2653
	5 Ft. Above Perm. Datum

Other Services	DIL MEL/BHCS

Elevation	
K.B.	2658
D.F.	
G.L.	2653

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
Date	1/27/2009
Run Number	One
Type Log	CNL / CDL
Depth Driller	3890
Depth Logger	3890
Bottom Logged Interval	3869
Top Logged Interval	3300
Type Fluid In Hole	Chemical
Salinity, PPM CL	2,300
Density	9.1
Level	Full
Max. Rec. Temp. F	116
Operating Rig Time	5 1/2 Hours
Equipment -- Location	4	Hays
Recorded By	K. Bange
Witnessed By	Paul Gunzelman

Borehole Record

Run No	Bit	From	To	Size	Wgt.
1	12.25	00	260	8.625	24#
2	7.875	260	3890		

Casing Record

From	To
00	260

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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.
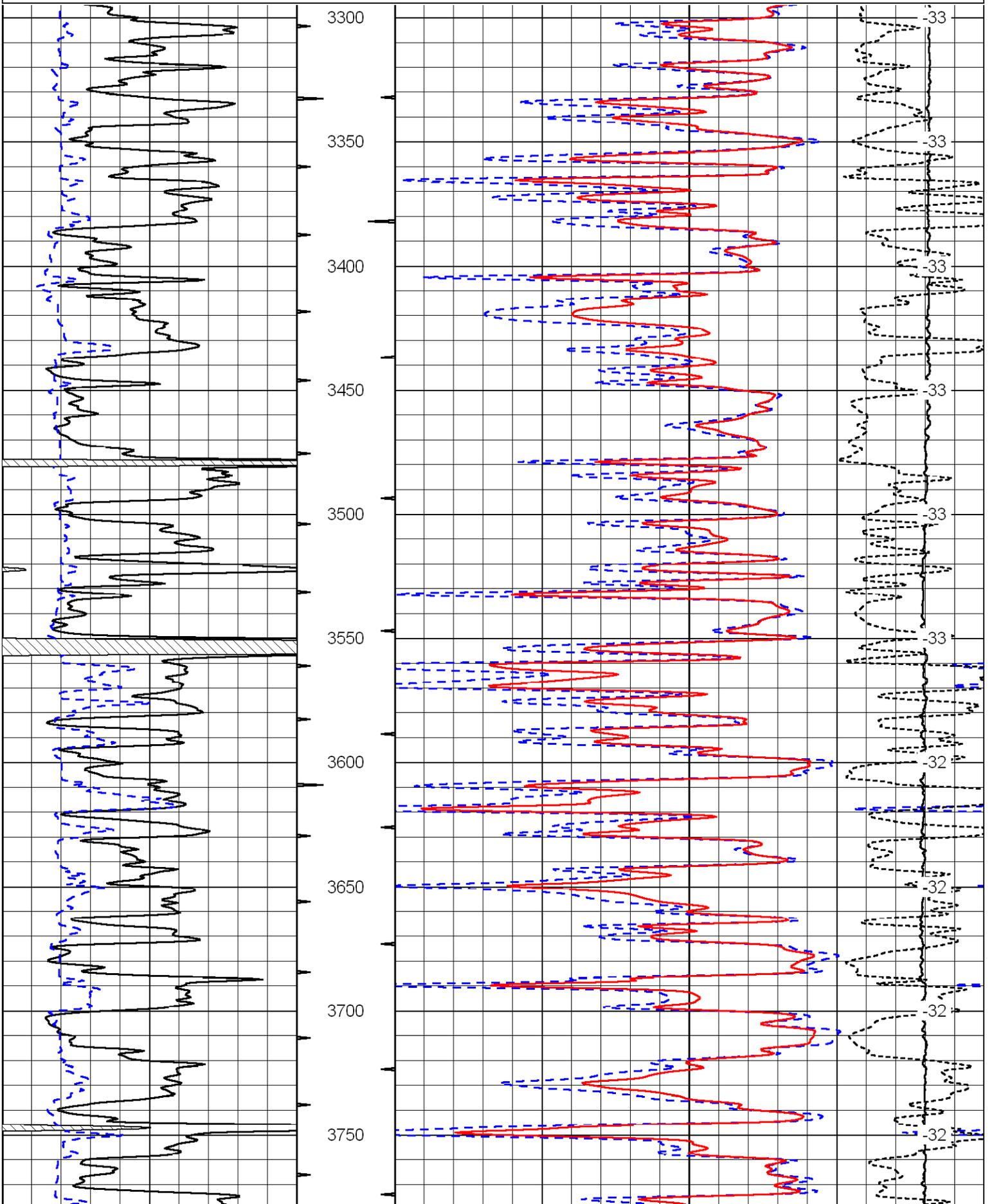
Comments

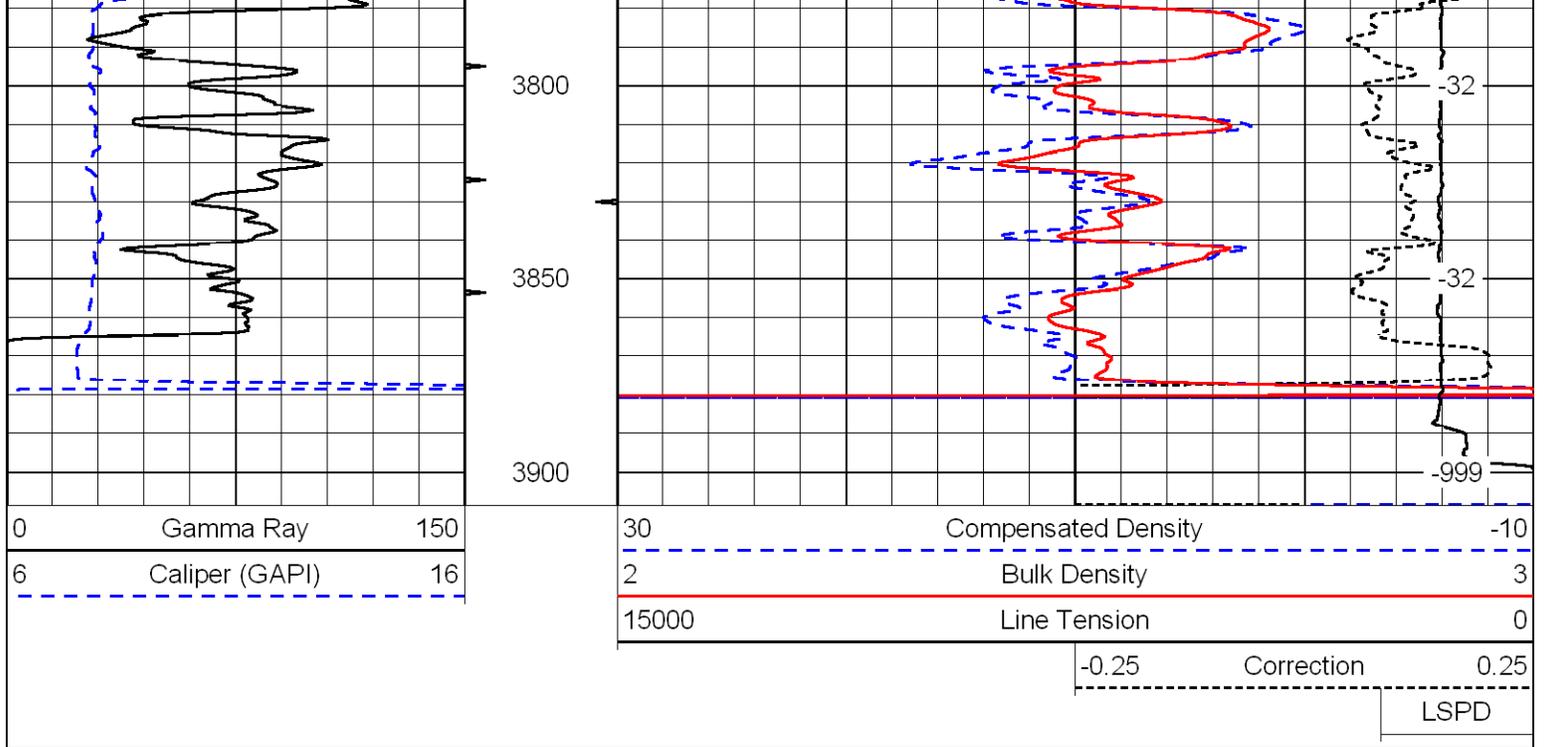Thank you for using Log-Tech, Inc.
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Oberlin, E 12 on Hwy to rd 12E, S 1 1/4, E into

Database File:	c:\warrior\data\murfin_heilman no. 1-12\murfinhd.db
Dataset Pathname:	dil/murf2in
Presentation Format:	cdl
Dataset Creation:	Tue Jan 27 08:29:42 2009
Charted by:	Depth in Feet scaled 1:600

	Gamma Ray			Compensated Density	
0		150	30		-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			-0.25	Correction	0.25
				LSPD	

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density	-10
2	Bulk Density	3
15000	Line Tension	0
-0.25	Correction	0.25
		LSPD

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)	-10
30	Compensated Density (2.71 ma)	-10
15000	Line Tension	0
-0.25	Correction	0.25
		LSPD

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)	-10
30	Compensated Density (2.71 ma)	-10
15000	Line Tension	0
-0.25	Correction	0.25
	LSPD	