



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-051-25,949-00-00

Company **Murfin Drilling Co., Inc.**

Well **Orth Unit No. 1-4**

Field **Alwerth**

County **Ellis**

State **Kansas**

Location **2190' FSL & 1400' FWL**

Sec: **4**

Twp: **14 S** Rge: **19 W**

Other Services
DIL
MEL/BHCS

Permanent Datum **Ground Level** Elevation **2261**

Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum

K.B. **2266**
D.F. **2261**
G.L. **2261**

Date **1/28/2010**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **4020**

Depth Logger **4021**

Bottom Logged Interval **4000**

Top Logged Interval **3100**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **8,300**

Density **9.0**

Level **Full**

Max. Rec. Temp. F **118**

Operating Rig Time **5 Hours**

Equipment -- Location **4 Hays**

Recorded By **K. Bange**

Witnessed By **Tim Priest**

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

219

8.625

24#

00

219

2

7.875

219

4020

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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

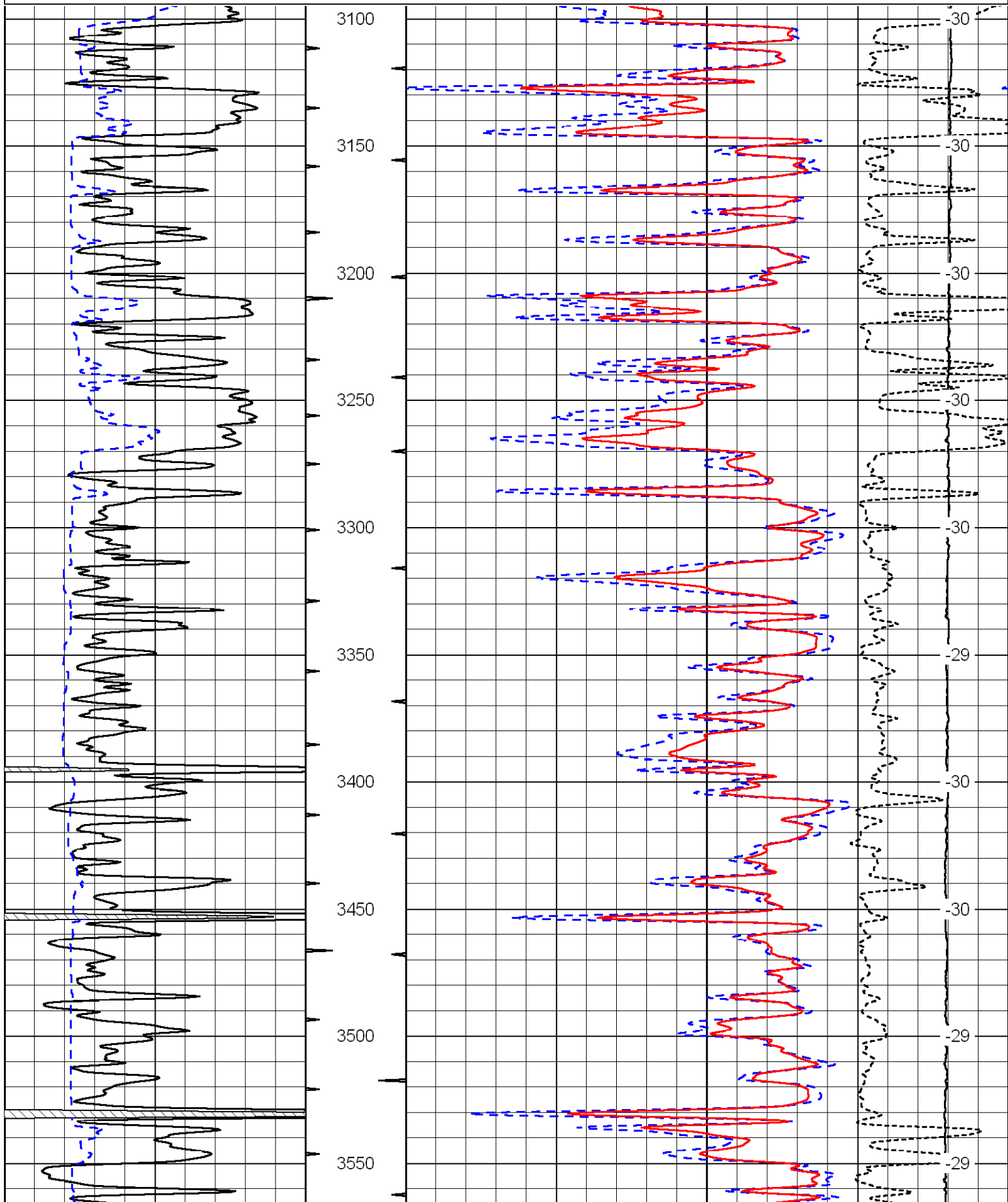
Thank you for using Log-Tech, Inc.
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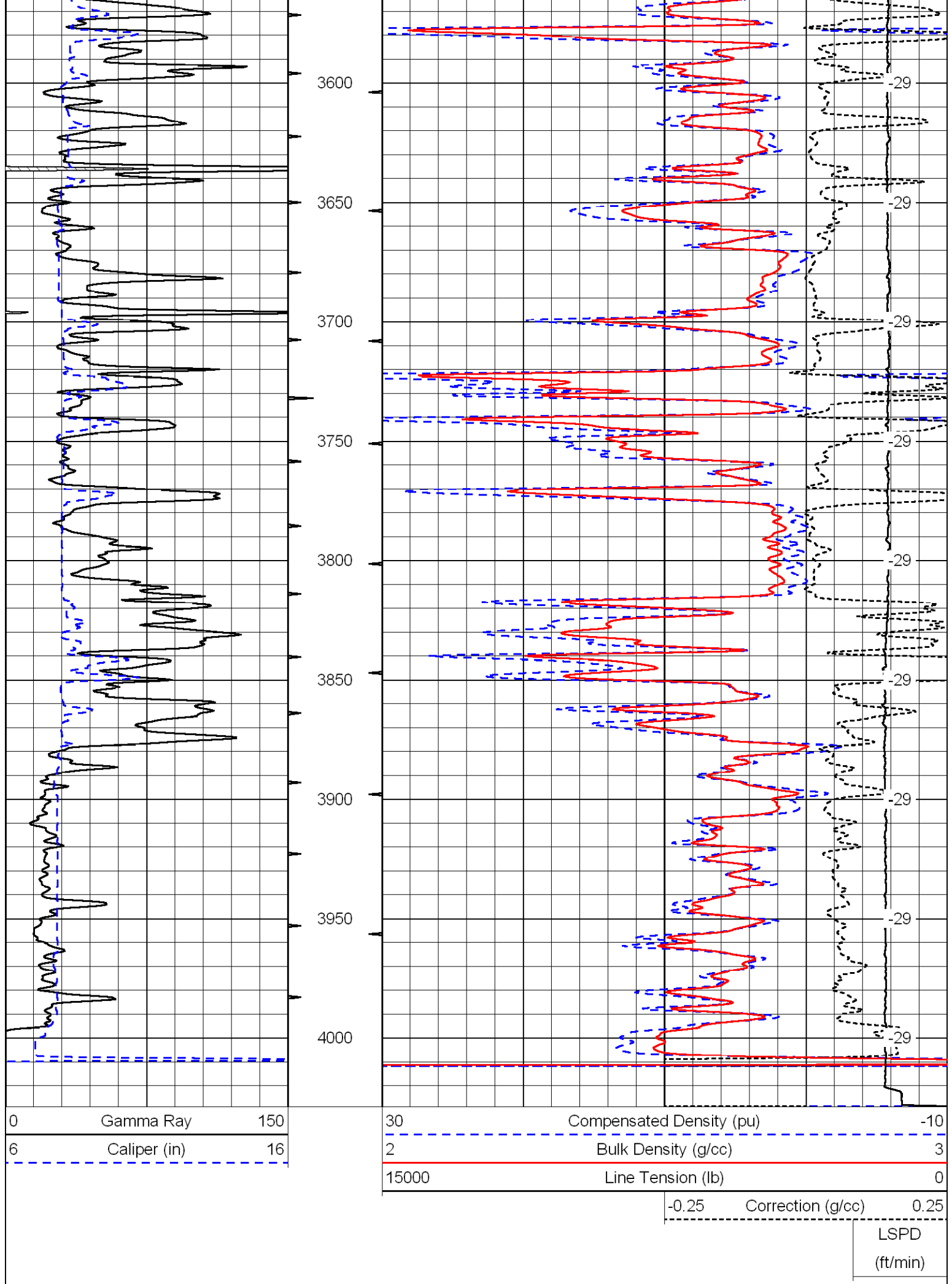
Hays, 183 Bypass to Golf Course rd, W on Golf Course to 180th rd, N 1/2, E into

Database File: c:\warrior\data\murfin_orth unit no. 1-4\murfhd.db
Dataset Pathname: dil\murf2in
Presentation Format: cdl
Dataset Creation: Thu Jan 28 12:23:26 2010
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (in)	16

30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
	-0.25	Correction (g/cc)	0.25
		LSPD	
		(ft/min)	





Database File: c:\warrior\data\murfin_orth unit no. 1-4\murfhd.db
Dataset Pathname: dil/murf2in
Presentation Format: cndlspec
Dataset Creation: Thu Jan 28 12:23:26 2010
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (in)	16

30	Compensated Neutron (Limestone) (pu)	-10
30	Compensated Density (2.71 ma) (pu)	-10
15000	Line Tension (lb)	0

-0.25	Correction (g/cc)	0.25
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LSPD
(ft/min)

