



Dual Compensated  
Porosity Log

DIGITAL LOG (785) 625-3858

API No. 15-165-21,861-00-00

Company: Murfin Drilling Company, Inc.  
Well: McGowan No. 1-15  
Field: Wildcat  
County: Rush  
State: Kansas

Location: 900' FNL & 1900' FWL

Sec: 15 Twp: 16S Rge: 20W

Other Services: DIL MEL/BHCS

Permanent Datum: Ground Level Elevation 2185  
Log Measured From: Kelly Bushing 5 Ft. Above Perm. Datum  
Drilling Measured From: Kelly Bushing

Elevation: K.B. 2190 D.F. G.L. 2185

Date: 11/03/2009

Run Number: One

Type Log: CNL / CDL

Depth Driller: 4060

Depth Logger: 4058

Bottom Logged Interval: 4037

Top Logged Interval: 3100

Type Fluid In Hole: Chemical

Salinity, PPM CL: 8,200

Density: 9.2

Level: Full

Max. Rec. Temp. F: 119

Operating Rig Time: 4 1/2 Hours

Equipment -- Location: 4 Hays

Recorded By: Mike Garrison

Witnessed By: Paul Gunzelman

Run No	Bit	Borehole Record		Casing Record	
		From	To	From	To
1	12.25	00	218	8.625	24#
2	7.875	218	4060		

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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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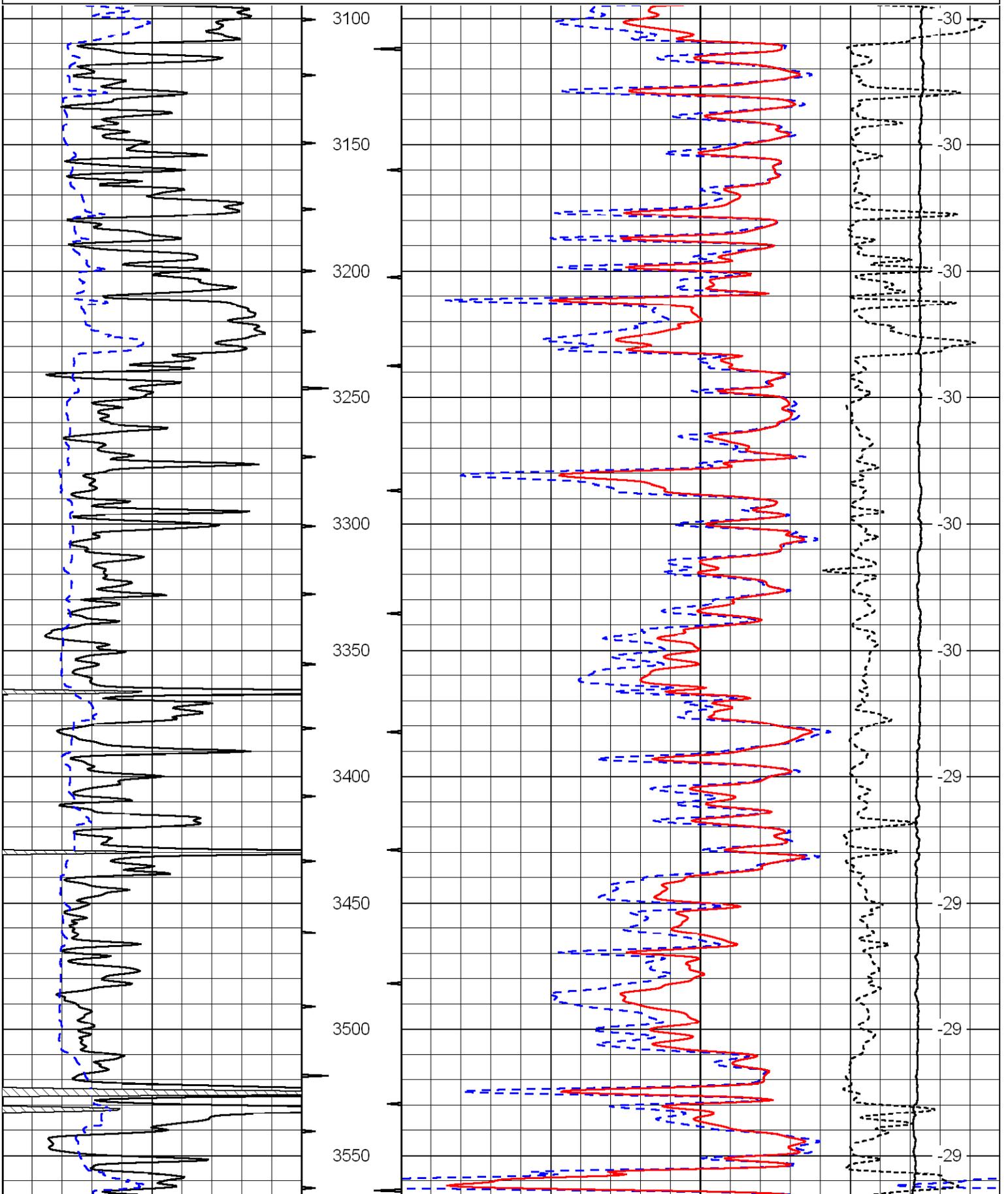
Liebenthal 1/2 South, 11 1/2 West, 1 1/2 North, East Into

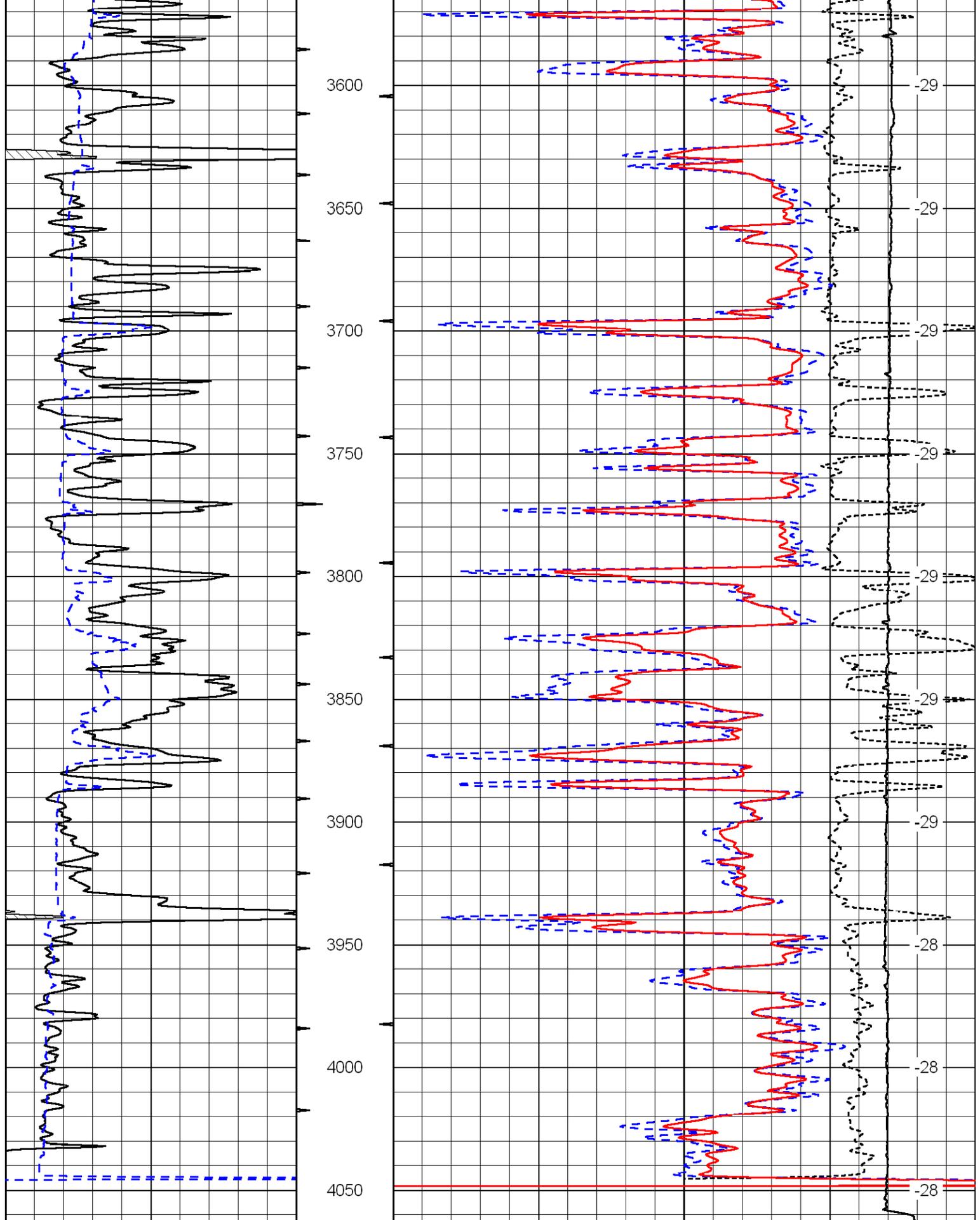
Database File: c:\warrior\data\murfin\_mcgowan no. 1-15\murfhd.db  
 Dataset Pathname: dil/mrfnstck  
 Presentation Format: cdl  
 Dataset Creation: Tue Nov 03 05:30:09 2009  
 Charted by: Depth in Feet scaled 1:600

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)





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\_mcgowan no. 1-15\murfhd.db  
Dataset Pathname: dil/mrfnstck  
Presentation Format: cndlspec  
Dataset Creation: Tue Nov 03 05:30:09 2009  
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

LSPD  
(ft/min)

