



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26472-00-00

Company **Murfin Drilling Company, Inc**

Well **Emmerentia #1-23**

Field **Martina**

County **Ellis**

State **Kansas**

Location **2310' FSL & 800' FWL**

Other Services
DIL
MEL/BHCS

Sec: **23** Twp: **15 S** Rge: **19 W**

Permanent Datum **Ground Level** Elevation **1976**
Log Measured From **Kelly Bushing** **5** Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Elevation
K.B. 1981
D.F.
G.L. 1976

Date **02-25-2013**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **3700**

Depth Logger **3698**

Bottom Logged Interval **3677**

Top Logged Interval **2850**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **8900**

Density **9.3**

Level **Full**

Max. Rec. Temp. F **115**

Operating Rig Time **5 Hours**

Equipment -- Location **91 Hays**

Recorded By **D. Schmidt**

Witnessed By **Rocky Milford**

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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One	12.25	00	1176	8.625	23#	00	1176
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Two	7.875	1176	TD				
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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

Antonino,
1 West to 200 Rd, 3 1/2 South,
East Into

Database File: murfin_022513hd.db
Dataset Pathname: dil/mrfstck
Presentation Format: cdl
Dataset Creation: Mon Feb 25 08:54:36 2013
Charted by: Depth in Feet scaled 1:240

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

















