



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-113-21,358-00-00

Company **Marco Wind Operations, LLC**
Well **E. Goering No. 5**
Field **Ritz Canton**
County **McPherson** State **Kansas**

Location **SE SW NW NW
1250' FNL & 470' FWL**

Sec: 4 Twp: 20 S Rge: 2 W

Other Services
DIL/MEL

Permanent Datum **Ground Level** Elevation **1523**
Log Measured From **Kelly Bushing** 10 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Elevation
K.B. 1533
D.F. 1523
G.L. 1523

Date **4/9/2013**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **3665**

Depth Logger **3665**

Bottom Logged Interval **3644**

Top Logged Interval **200**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **600**

Density **7.6**

Level **Full**

Max. Rec. Temp. F **113**

Operating Rig Time **5 Hours**

Equipment -- Location **108 Hays**

Recorded By **D. Martin**

Witnessed By **Delmar Nightingale**

Rex Savage

Mike Hadix

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 00 220 8.625 23# 00 220

Two 7.875 220 TD 220

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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

Galva, KS
2 S on 21st Ave., 3/4 W, SW Into

Database File: marco_egoering_5hd.db
Dataset Pathname: DIL/marstk
Presentation Format: cdl
Dataset Creation: Tue Apr 09 10:12:47 2013
Charted by: Depth in Feet scaled 1:600

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
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD		(ft/min)













































