



Pioneer Energy Services

Dual Ind. / Neutron-Density Micro Composite Log

File No.

15-171-21,074-00-00

Company New Gulf Operating, LLC.

Well Muench # 1-16

Field

County Scott

State

Kansas

Location

1,240' FSL & 1,430' FEL

Sec: 16

Twp: 17s

Rge: 33w

Elevation

K.B. 3046

D.F. 3037

G.L. 3037

Other Services
CNL/CDL
DIL

Permanent Datum Ground Level Elevation 3037

Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Date

7/23/2014

Run Number

One

Depth Driller

4815

Depth Logger

4810

Bottom Logged Interval

4809

Top Log Interval

3600

Casing Driller

8.625 @ 266

Casing Logger

257

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

7000

Density / Viscosity

9.2 50

pH / Fluid Loss

11.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

.30 @ 81

Rmf @ Meas. Temp

.23 @ 81

Rmc @ Meas. Temp

.41 @ 81

Source of Rmf / Rmc

Charts

Rm @ BHT

.20 @ 124

Operating Rig Time

4 Hours

Max Rec. Temp. F

124

Equipment Number

4

Location

Hays

Recorded By

J Long

Witnessed By

John Goldsmith

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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 Pioneer Energy Services
www.pioneerenergy.com
785 625 3858

Scott City Ks., North to 190 Rd., 4 West to Stop Sign, 1 1/2 North, East Into.

Database File: c:\warrior\data\new gulf_muench # 1-16\new_gulf_muench_1-16hd.db
Dataset Pathname: DIL/newstck
Presentation Format: NGULFC~1
Dataset Creation: Wed Jul 23 17:47:19 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0	MN	20	0.2	Shallow Guard	2000	30	Density Porosity	0
150	GR	300	0	MI	20	0.2	Medium Induction	2000	30	Neutron Porosity	0
6	Caliper (GAPI)	16				0.2	Deep Induction	2000	2.65	dga	3.75
2.875	DCAL (GAPI)	7.875									
-200	SP (mV)	0									
-160	Rxo/Rt	40									











