



Pioneer Energy Services

Dual Ind. / Neutron-Density
Micro
Composite Log

File No.

15-109-21114-00-00

Company **New Gulf Operating, LLC**

Well **Byron #1-31**

Field

County **Logan**

State

Kansas

Location **1295' FSL & 1572' FEL**

Other Services
CNL/CDL
DIL/MEI

Sec: **31** Twp: **14S** Rge: **34W**

Permanent Datum **Ground Level** Elevation **3019**

Log Measured From **Kelly Bushing** **10** Ft. Above Perm. Datum

Elevation
K.B. 3029
D.F.
G.L. 3019

Drilling Measured From **Kelly Bushing**

Date **8/20/2012**

Run Number

One

Depth Driller

4785

Depth Logger

4784

Bottom Logged Interval

4783

Top Log Interval

3450

Casing Driller

8.625 @ 262

Casing Logger

260

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8000

Density / Viscosity

9.3 58

pH / Fluid Loss

10.0 10.4

Source of Sample

Flowline

Rm @ Meas. Temp

0.80 @ 75

Rmf @ Meas. Temp

0.60 @ 75

Rmc @ Meas. Temp

1.08 @ 75

Source of Rmf / Rmc

Charts

Rm @ BHT

0.48 @ 126

Operating Rig Time

5 Hours

Max Rec. Temp. F

126

Equipment Number

4

Location

Hays

Recorded By

D. Schmidt

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.pioneer.com
785 625 3858
Russell Springs,
1 East to Rd 270, 8 /14 South to Gold Road,
2 1/2 East to location

Database File: c:\warrior\data\new gulf_byron #1-31\newgulf_082012hd.db
Dataset Pathname: dil/ngstack
Presentation Format: NGULFC~1
Dataset Creation: Mon Aug 20 16:23:12 2012
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									













