



MIDWEST SURVEYS
 LOGGING - PERFORATING - CONSULTING SERVICES
 P.O. Box 68, Osawatomie, KS 66064
 913 / 755 - 2128

GAMMA RAY / NEUTRON / CCL

File No.

Company **A&L Energy Operations, LLC**

Well **Thoren No.- 114**

Field **Little Wakarusa**

County **Douglas** State **Kansas**

Location **13551 FNL & 13551 FEL**

NENE-SW-NE

Other Services
Perforate

Sec 6
 Permanent Datum
 Log Measured From
 Drilling Measured From

Typ 14S
 GL
 GL
 GL

Ege 22e
 Elevation
 NA
 NA
 NA

Elevation
 K.B. NA
 D.F. NA
 G.L. NA

Date
 Run Number
 Depth Driller
 Depth Logger
 Bottom Logged Interval
 Top Log Interval
 Fluid Level

08-29-2013
 One
 752.0
 738.9
 737.9
 20.0
 Full

Type Fluid
 Density / viscosity
 Salinity - PPM Cl
 Max Recorded Temp
 Estimated Cement Top
 Equipment No.
 Recorded By
 Witnessed By

Water
 NA
 NA
 NA
 0.0
 107
 Osawatomie
 Steve Mandisch
 Jerald Heekin

BORE-HOLE RECORD

RUN
 No.
 One
 Two

BIT
 FROM
 TO

SIZE
 WGT.
 FROM
 TO

40.0
 17.0#
 0.0
 0.0
 40.0
 743.45

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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

Drilling Contractor :
 McGown Drilling, Inc
 Rig - 2

Database File: thoren114.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Sat Jun 29 08:45:24 2013 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240

