



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.- 119**
Field **Little Wakarusa**
County **Douglas** State **Kansas**

Location **1355 FNL & 1685 FEL
NW-NE-SW-NE**

Other Services
Perforate

Sec. **6** Twp. **14S** Rge. **22e**
Permanent Datum **GL** Elevation **NA**
Log Measured From **GL**
Drilling Measured From **GL**

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

Date

Run Number **One**

Depth Order **752.0**

Depth Logger **731.4**

Bottom Logged Interval **730.4**

Top Log Interval **20.0**

Fluid Level **Full**

Type Fluid **Water**

Density / viscosity **NA**

Salinity - PPM Cl **NA**

Max. Recorded Temp **NA**

Estimated Cement Top **0.0**

Equipment No. **107** Location **Osawatomie**

Recorded By **Steve Winkelsch**

Witnessed By **Jerald Heilm**

RUN

BORE-HOLE RECORD

NO. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 43.4 7.00" 17.0 # 0.0 43.40

Two 6.125" 43.4 752.0 2.875" 6.5 # 0.0 737.55

<<< Fold Here >>>

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: thoren119.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Sat Jun 29 11:00:02 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

