



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

GAMMA RAY / NEUTRON / CCL

File No.

Company **Energex Kansas, Inc.**

Well **Needham No. BSI-N-8**

Field **Paola / Rantoul**

County **Franklin** State **Kansas**

Location

4797 FSL & 4149' FEL

SE-NE-NW-NW

Sec. 17 Twp. 18s Rge. 21e

Permanent Datum GL

Log Measured From GL

Drilling Measured From GL

Date 12-05-2012

Run Number One

Depth Driller 670.0

Depth Logger 659.0

Bottom Logged Interval 658.0

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. 104

Recorded By Gary Windisch

Witnessed By Jay Schendel

BORE-HOLE RECORD

BIT FROM TO SIZE WGT. FROM TO

One 11.00" 0.0 21.0 7.00" 0.0 21.0

Two 5.875" 21.0 670.0 2.875" 0.0 661.05

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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.

Database File: needham8in.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Wed Dec 05 13:21:34 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

