



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.- 115
 Field Little Wakarusa
 County Douglas State Kansas

Location 10251 FNL & 1355' FEL
 SE-SE-NW-NE
 Other Services Perforate

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

Date	08-29-2013
Run Number	One
Depth Driller	752.0
Depth Logger	735.2
Bottom Logged Interval	734.2
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
Recorded By	Steve Munsch
Witnessed By	Jerald Heekin

BORE-HOLE RECORD		CASING RECORD						
RUN	NO.	BIT	FROM	TO	SIZE	WT.	FROM	TO
One	9.875"	0.0	43.0	752.0	7.00"	17.0 #	0.0	43.0
Two	6.125"	43.0	752.0	2.875"	6.5 #	0.0	740.60	

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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: thoren115.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Sat Jun 29 09:21:20 2013 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240

