



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 88, Osawatomie, KS 68064  
 913.755.2128

**GAMMA RAY / NEUTRON / CCL**

File No. \_\_\_\_\_

Company: **Magnum Exploration Kansas, LLC**

Well: **Werts No.-7**

Field: **Little Wakarusa**

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

Location: **165' FSL & 4125' FEL**

Other Services: **SE-SE-SW-SW**

Sec. **6** Twp. **14S** Rge. **21E**

Permanent Datum: **GL** Elevation: **N/A**

Log Measured From: **GL** K.B. **NA**

Drilling Measured From: **GL** D.F. **NA**

Date: **05-22-2014** Elevation: **GL, NA**

Run Number: **One**

Depth Driller: **825.0**

Depth Logger: **781.5**

Bottom Logged Interval: **780.5**

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 Winkisch**

Witnessed By: **Bill Watson**

BORE-HOLE RECORD

BIT FROM TO SIZE WGT. FROM TO

One 9.875" 40.0 7.00" 14.0# 0.0 40.0

Two 5.875" 40.0 825.0 2.875" 6.5# 0.0 820.0

Bottom 790.0

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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 :  
**Hat Drilling Company**

Database File: werts 7.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Thu May 22 11:06:49 2014 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

