



**MIDWEST SURVEYS**  
LOGGING - PERFORATING - CONSULTING SERVICES  
P.O. Box 66, Osawatomie, KS 66064  
913 / 735 - 2128

**GAMMA RAY / NEUTRON / CCL**

File No.

Company **Magnum Exploration Kansas, LLC**

Well **Hadl No.- 14**

Field **Jayhawk**

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

Location **4440 FSL & 4122 FEL**

**NE-SE-1/4-14-NW**

Other Services

Perforate

Sec. 36 Type 13s Rge. 20e

Permanant Datum GL Elevation NA

Log Measured From GL

Drilling Measured From GL

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

Date

12-30-2013

Run Number One

Depth Driller 855.0

Depth Logger 816.9

Bottom Logged Interval 815.9

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. Location 107 Oswatimie

Recorded By Steve Vandrish

Witnessed By Bill Wilson

BOREHOLE RECORD

CASING RECORD

TO 44.0

FROM 0.0

SIZE 7.00" WTG. 17.0#

NO. 9.875" 44.0

2.875" 855.0

5.875" 44.0

855.0

2.875" 852.0

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