



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 68, Oswatomie, KS 68064  
 913 / 755 - 2128

**GAMMA RAY / NEUTRON / CCL**

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

Company **Bobcat Oilfield Services, Inc.**

Well **Rigney No. 4W-12**

Field **Louisburg**

County **Miami** State **Kansas**

Location **1668' FSL & 4192' FEL  
NE-SE-NW-SW**

Other Services  
Perforate

Sec. 12 Twp. 17s Rge. 24e  
Permanent Datum GL Elevation NA  
Log Measured From GL  
Drilling Measured From GL

API # 15-121-29,391

Date **04-08-2013**

Run Number **One**

Depth Driller **501.0**

Depth Logger **496.9**

Bottom Logged Interval **495.9**

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. **107** Location **Oswatomie**

Recorded By **Steve Mandisch**

Witnessed By **Bob Eberhart**

BORE-HOLE RECORD				CASING RECORD			
Run No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	8.75"	0.0	20.0	6.50"	15.0 #	0.0	20.0
Two	5.625"	20.0	501.0	2.875"	6.5 #	0.0	498.0

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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 :  
Dale Jackson Production Company

Database File: rigney4w12.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Mon Apr 08 15:01:48 2013 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

