



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

**GAMMA RAY / NEUTRON / CCL**

File No. Company Bobcat Oilfield Services, Inc.  
 Well Schendel No. 4-12  
 Field Paola - Rantoul

County Miami State Kansas

Location 4900' FSL & 2970' FEL  
 SW-NE-NE-NW

Other Services Perforate

Sec. 24 Type 16s Rge. 21e  
 Permanent Datum GL Elevation NA  
 Log Measured From GL  
 Drilling Measured From GL

Date 05-31-2012  
 Run Number One  
 Depth Diller 720.0

Depth Logger 708.9  
 Bottom Logged Interval 707.9  
 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 Osawatomie

Recorded By Steve Wandsch  
 Witnessed By Bob Elberhart

BORE-HOLE RECORD				CASING RECORD			
RUN No.	BIT FROM	TO	SIZE	WGT.	FROM	TO	
One	8.75"	20.0	6.00"	0.0	20.0	20.0	
Two	5.625"	20.0	2.875"	0.0	711.0	711.0	

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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: schendel4-12.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Thu May 31 13:22:08 2012 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

