



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

**GAMMA RAY / NEUTRON / CCL**

File No. Company Piqua Petro, Inc.  
 Well Bruenger No. 4-14  
 Field Humboldt - Chanute  
 County Allen State Kansas

Location 3180' FSL & 1920' FEL  
 SW-NE-SW-NW  
 Sec. 14 Twp. 25S Rge. 17E  
 Permanent Datum GL Elevation NA  
 Log Measured From GL  
 Drilling Measured From GL

Other Services Perforate  
 Date 08-12-2014  
 Run Number One  
 Depth Diller 894.0  
 Depth Logger 891.0  
 Bottom Logged Interval 890.0  
 Top Log Interval 200.0  
 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 Wandisch  
 Witnessed By Greg Lair

BORE-HOLE RECORD				CASING RECORD			
RUN No.	BIT FROM	TO	SIZE	WGT.	FROM	TO	
One	9.875"	0.0	7.00"	17.0 #	0.0	22.0	
Two	5.625"	22.0	2.875"	6.5 #	0.0	888.0	

<<< Fold Here >>>

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 :  
 John Leis Oil Services

Database File: bruenger 4-14.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Tue Aug 12 13:50:52 2014 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

