



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 88, Osawatomie, KS 66064  
 913 / 735 - 2128

**GAMMA RAY / NEUTRON / CCL**

File No. **Company** **Haas Petroleum, LLC.**  
**Well** **McCollt No. 31-HP**  
**Field** **Winterscheid**  
**County** **Woodson** **State** **Kansas**

**Location** **1307 FSJ & 8307 FEL**  
**NW-NE-SE-SE**

**Other Services**

**AP #** **15-207-28382**

**Sec. 35** **Top. 23s** **Age** **14e**  
**Permian Datum** **GL** **Elevation** **1113'**  
**Log Measured From** **KB #** **From GL** **KB 1117'** **GL NA 7'**  
**Drilling Measured From** **KB #** **From GL** **GL 1113'**

**Date** **12-11-2012** **One**

**Run Number** **17200**  
**Depth Driver** **17200.0**  
**Depth Logger** **17208.6**  
**Bottom Logged Interval** **200.0**

**Top Log Interval** **Water**  
**Fluid Level**

**Type Fluid** **Water**  
**Density / Viscosity** **NA** **NA**  
**Stability / PPH Cl** **NA** **NA**  
**Max. Record Temp** **0.0** **0.0**  
**Estimated Cement Top** **0.0** **0.0**

**Equipment No.** **102** **Location** **Caswellville**  
**Recorded By** **Steve Winslow**

**Witnessed By** **Mark Haas**

**BORE-HOLE RECORD**

**Run** **BIT** **FROM** **TO** **SIZE** **WGT** **FROM** **TO**  
**One** **12.25'** **0.0** **4.00** **8.625"** **20.0#** **0.0** **4.00**  
**Two** **6.75'** **4.00** **17.200** **4.50"** **10.5#** **0.0** **17.140**

**CASINGS RECORD**

**TO** **4.00**  
**FROM** **17.140**

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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 :  
 Skyy Drilling Rig -2

Database File: mcollt3i.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-cl  
 Dataset Creation: Tue Dec 11 13:58:05 2012 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1.240

