



MIDWEST SURVEYS
 LOGGING - PERFORATING - CONSULTING SERVICES
 P.O. Box 88, Osawatomie, KS 68064
 913.735.2128

GAMMA RAY / NEUTRON / CCL

File No. **Company** **Haas Petroleum, LLC.**
Well **Massey No. 51-HP**
Field **Winterscheid**
County **Woodson** **State** **Kansas**

Location **1320' FSJ & 3950' FEL**
WZ/WZ/EZ-SW

Sec. 35 **Twp. 23S** **Rge. 14E**
Perforated Depth **GL** **Elevation**
Log Measured From **GL 4' From GL** **K.B. 1154'**
Drilling Measured From **NE 4' From GL** **S.L. 1150'**

Date **09-25-2012**
Run Number **ONE**

Depth Order **1722.0**
Bottom Logged Interval **1709.5**
Log Interval **20.0**

Type Fluid **Water**

Density / Viscosity **NA**
Sample / TFM CI **NA**
Max Recorded Temp **NA**
Equipment / Cement Top **0.0**
Equipment No. **107** **Carrollville**
Recorded By **Shane Winterscheid**

Winterscheid By **Mark Haas**

BOREHOLE RECORD **TO** **SIZE** **WOST** **FROM** **FROM** **TO**
ONE **12.25** **0.0** **8.535** **0.0** **40.0** **40.0**
TWO **6.75** **40.0** **1722.0** **4.507** **0.0** **1714.0**

Perforate

Other Services

API # 15-207-28.257

Perforate

Perforate

Perforate

Perforate

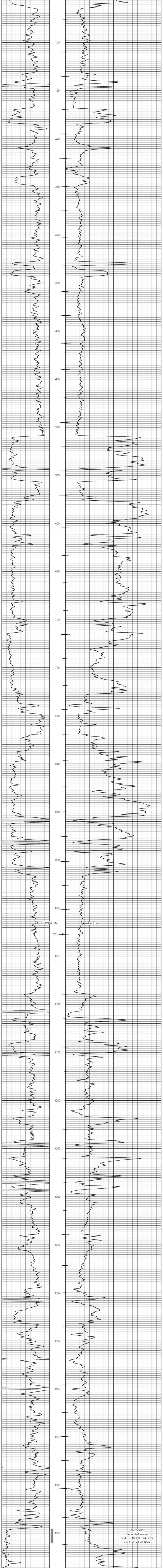
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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 : Sky Drilling Rig -2

Database File: massey51.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Tue Sep 25 14:02:06 2012 by Log SCH 111116
 Charted by: Depth in Feet scaled 1.240



09-27-2012
 Perforated Interval:
 1646.0 - 1660.0 44 Perfs
 3 3/8" DP 23 Gr. EOC