



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

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-207-28,610

Company **Hass Petroleum, LLC**
 Well **Arnold No. 2i-HP**
 Field **Winterscheid**
 County **Woodson** State **Kansas**

Location **640' FNL & 1260' FEL
 SW-NW-NW-NE** Other Services
Perforate

Sec. **35** Twp. **23s** Rge. **14e** Elevation
 Permanent Datum **GL** Elevation **1124'** K.B. **1131'**
 Log Measured From **GL** D.F. **NA**
 Drilling Measured From **KB 7' from GL** G.L. **1124'**

Date	08-27-2013
Run Number	One
Depth Driller	1735.0
Depth Logger	1682.5
Bottom Logged Interval	1681.5
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 Windisch
Witnessed By	Mark Haas

RUN No.	BORE-HOLE RECORD			CASING RECORD			
	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	12.25"	0.0	40.0	8.625"	22.0 #	0.0	40.0
Two	6.75"	40.0	1735.0	4.50"	10.5 #	0.0	1684.0

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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 :
 Skyy Drilling, LLC
 Rig # 1

Database File: arnold2ihp.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Tue Aug 27 12:15:19 2013 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (cps)	150	-1 CCL 1	Neutron (cps)	210
150	Gamma Ray (cps)	300	10		













