



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

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-003-25,822

Company **Haas Petroleum, LLC**
Well **Zastrow No. 16-HP**
Field **Garnett Shoestring**
County **Anderson** State **Kansas**

Location

**180' FNL & 330' FWL
N/2-NW-NW-NW**

Other Services

Perforate

Sec. **13** Twp. **20s** Rge. **20e**
Permanent Datum **GL** Elevation **NA**
Log Measured From **GL**
Drilling Measured From **GL**

Elevation

K.B. NA
D.F. NA
G.L. NA

Date	07-09-2013			
Run Number	One			
Depth Driller	800.0			
Depth Logger	769.0			
Bottom Logged Interval	768.0			
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.	Location	107	Osawatomie	
Recorded By	Steve Windisch			
Witnessed By	John Haas			

RUN		BORE-HOLE RECORD			CASING RECORD		
No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	9.875"	0.0	20.0	7.00"	17.0 #	0.0	20.0
Two	5.625"	20.0	800.0	2.875"	6.5 #	0.0	770.0

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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 :
Town Oilfield Services, Inc.

Database File: zastrow16hp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Tue Jul 09 09:04:51 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (cps)	150
150	Gamma Ray (cps)	300

-1 CCL 1	10
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Neutron (cps)

2100







