



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

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-003-25,825

Company **Haas Petroleum, LLC.**

Well **Zastrow No. 19-HP**

Field **Garnett Shoestring**

County **Anderson** State **Kansas**

Location

**830' FNL & 100' FWL
NW-SW-NW-NW**

Other Services
Perforate

Sec. **13** Twp. **20s** Rge. **20e**

Elevation

Permanent Datum **GL** Elevation **933'**

Log Measured From **GL**

Drilling Measured From **GL**

K.B. NA
D.F. NA
G.L. 933'

Date	08-01-2013		
Run Number	One		
Depth Driller	800.0		
Depth Logger	767.9		
Bottom Logged Interval	766.9		
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	102	Osawatomie
Recorded By	Gary 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	767.9

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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: zastrow19hp.db

Dataset Pathname: pass1

Presentation Format: gr-n-ccl

Dataset Creation: Thu Aug 01 09:08:22 2013 by Log SCH 111116

Charted by: Depth in Feet scaled 1:240

-1 CCL 1

0 Gamma Ray (cps) 150

150 Gamma Ray (cps) 300

Neutron (cps)

1901







