



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

GAMMA RAY / NEUTRON / CCL

File No. API # 15-003-25,823	Company		Haas Petroleum, LLC					
	Well		Zastrow No. 1i-HP					
	Field		Garnett Shoestring					
	County		Anderson		State		Kansas	
	Location		340' FNL & 195' FWL SW-NW-NW-NW				Other Services Perforate	
Sec. 13		Twp. 20s		Rge. 20e		Elevation		
Permanent Datum		GL		Elevation		NA		
Log Measured From		GL		K.B. NA		D.F. NA		
Drilling Measured From		GL		G.L. NA				
Date		07-09-2013						
Run Number		One						
Depth Driller		800.0						
Depth Logger		759.0						
Bottom Logged Interval		758.0						
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.		107		Osawatomie				
Recorded By		Steve Windisch						
Witnessed By		John Haas						
RUN		BORE-HOLE RECORD				CASING RECORD		
No.		BIT		FROM		TO		
One		9.875"		0.0		20.0		
Two		5.625"		20.0		761.0		

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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.

Has a bent joint of pipe at 222.0'

Database File: zastrow1ihp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Tue Jul 09 10:19:49 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (cps)	150	-1 CCL 1	10	Neutron (cps)	2100
150	Gamma Ray (cps)	300				







