



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

GAMMA RAY / NEUTRON / CCL

File No.	Company		Hat Production, LLC		Other Services	
	Well		Sergeant No.- 13		Perforate	
	Field		LaCygne - Cadmus			
	County		Linn		State Kansas	
Location		2420' FSL & 1980' FEL N/2-N/2-NW-SE				
Sec. 9		Twp. 20s		Rge. 23e		Elevation
Permanent Datum		GL		Elevation		K.B. NA
Log Measured From		GL				D.F. NA
Drilling Measured From		GL		965'		G.L. 965'
Date	08-19-2015					
Run Number	One					
Depth Driller	350.0					
Depth Logger	341.5					
Bottom Logged Interval	340.5					
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	104	Osawatomie			
Recorded By	Steve Windisch					
Witnessed By	Mark Brecheisen					
RUN	BORE-HOLE RECORD			CASING RECORD		
No.	BIT	FROM	TO	SIZE	WGT.	FROM TO
One	11.00"	0.0	20.0	8.00"	22.0 #	0.0 20.0
Two	5.875"	20.0	350.0	2.875"	6.5 #	0.0 344.5

API# 15-107-25,125

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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 :
Hat Drilling, LLC

Database File: sergent 13.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Wed Aug 19 10:50:55 2015 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

