MIDWEST SURVEYS

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

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-045-22,051

Company	Magnum Exploration Kansas, LLC
Well	Hadl No.- 13
Field	Jayhawk
County	Douglas State Kansas
Location	4780' FSL & 3942' FEL SW-NW-NE-NW
Sec. 36	Twp. 13s Rge. 20e
Other Services	Perforate
Elevation	K.B. NA, D.F. NA, G.L. NA

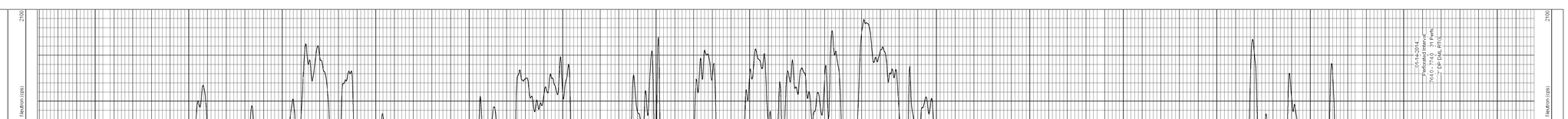
Permanent Datum	GL	Elevation	NA
Log Measured From	GL		
Drilling Measured From	GL		

Date	12-30-2013			
Run Number	One			
Depth Driller	860.0			
Depth Logger	819.2			
Bottom Logged Interval	818.2			
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 Vandrsch			
Witnessed By	Bill Wilson			

BORE-HOLE RECORD				CASING RECORD			
RUN No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	9.875"	0.0	44.0	7.00"	17.0#	0.0	44.0
Two	5.675"	44.0	860.0	2.875"	6.5#	0.0	852.0
				Baffle	Set	At	821.0

All interpretations we express 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, cost, damage, or expense 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 Company

Dataset File: hadl 13.dlis
Dataset Pathname: pass1
Presentation Format: Main Log
Dataset Creation: Mon Dec 30 10:05:12 2013 by Log SCHI 111118
Charted by: Depth in Feet scaled 1:240