



MIDWEST SURVEYS
LOGGING - PERFORATING - CONSULTING SERVICES
P.O. Box 66, Osawatomie, KS 66064
913 / 755 - 2128

GAMMA RAY / NEUTRON / CCL

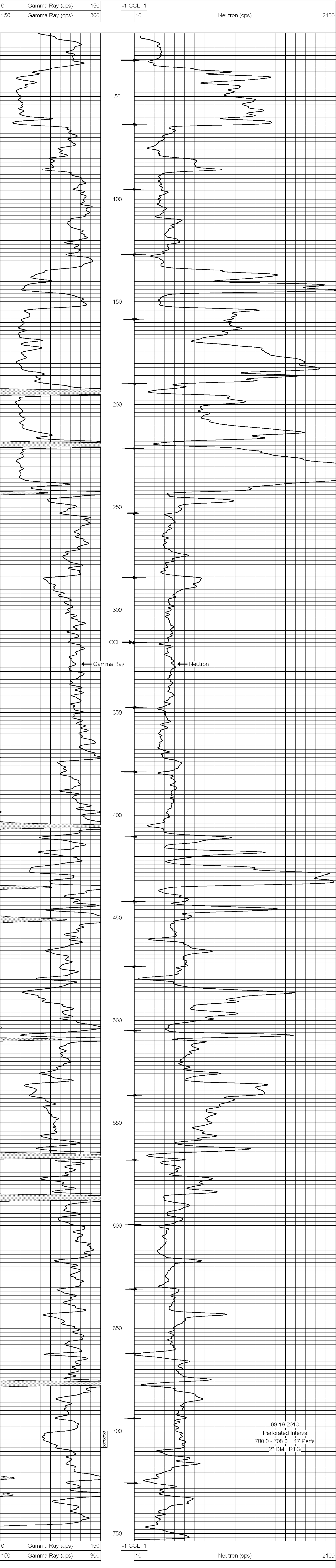
File No.		Company		Haas Petroleum, LLC			
Well		Zastrow		No. 41-HP			
Field		Garnett Shoestring					
County		Anderson		State Kansas			
Location		515' FNL & 275' FEL SE-NE-NE-NE		Other Services Perforate			
Sec. 14		Twp. 20S		Rge. 20E			
Permanent Datum		GL		Elevation NA			
Log Measured From		GL		K.B. NA D.F. NA G.L. NA			
Drilling Measured From		GL					
Date	09-19-2013						
Run Number	One						
Depth Oriller	780.0						
Depth Logger	754.0						
Bottom Logged Interval	753.0						
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		Ossawatimie				
Recorded By	Steve Mindich						
Witnessed By	John Haas						
BORE-HOLE RECORD							
Run	BIT	FROM	TO	SIZE	WGHT.	FROM	TO
One	9.875"	0.0	20.0	7.00"	17.0 #	0.0	20.0
Two	5.625"	20.0	780.0	2.875"	6.5 #	0.0	757.0

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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: zastrow41hp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Thu Sep 19 14:58:26 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240



09-19-2013
Perforated Interval
700.0 - 708.0 17 Perfs
2" DML RTG