API # 15-207-28,376

MIDWEST SURVEYS
1000 Mt. Rushmore Road, Chanute, Kansas 66720
620 431-9210 620 431-9211 Fax

GAMMA RAY / NEUTRON / CCL

File No.	
Company	Haas Petroleum, LLC
Lease	Hartzler #P
Field	Winterschied
County	Woodson State Kansas
Location	NE-SW-SW-SW Twp. 26 S Rge. 16 E
	990 FSL 990 FWL
Elev.	1117 G.L. 1127 K.B.
Date	11-11-12
Run No.	One
Depth Driller	1700
Depth Logger	1700
Bottom Log Interval	1700
Top Log Interval	200
Casing Driller	20 @ 40
Casing Logger	
Bit Size	5 7/8
Type Fluid in Hole	Water
Dens. / Visc.	N/A
pH / Fluid Loss	N/A
Source of Sample	Pit
Rm @ Meas. Temp.	N/A
Rmf @ Meas. Temp.	N/A
Rmc @ Meas. Temp.	N/A
Source: Rmf / Rmc	N/A
Rm @ BHT	N/A
Time Since Circ.	N/A
Max. Rec. Temp.	N/A
Equip. / Loc.	Chanute
Recorded By	D. Gerber
Witnessed By	Mr. Haas

Run No.	Bit No.	From	To	Hole Size	Casing Size	Wt. / Ft.	Grade	Type Joint
One		0	40		20			
One		40	1700	5 7/8				

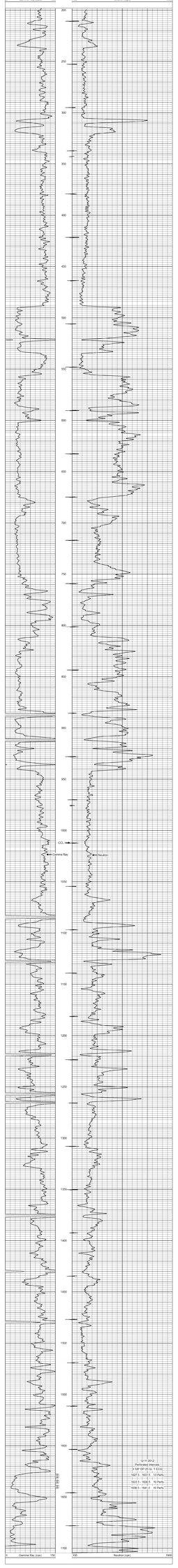
Type Log	Scale	Top	Bottom
Gamma Ray / Neutron / CCL	1" = 20'	200	1700

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 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 :
Skyy Drilling Rig -3

Database File: mwsurv.fb.db
Dataset Pathname: pass1
Presentation Format: gr_neut
Dataset Creation: Sat Dec 11 11:21:30 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240



11-11-2012
Perforations
3 SAF OP (1 hs 4 EXC)
1627.5 - 1631.5 13 Perfs
1633.5 - 1636.5 10 Perfs
1638.5 - 1641.5 10 Perfs