



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

GAMMA RAY / NEUTRON / CCL

File No.		Company		Haas Petroleum, LLC.	
		Well		Phillips No. 1-HP	
		Field		Paola / Rantoul	
		County		Miami	
		State		Kansas	
Location		2210' FSL & 2110' FEL SE-NW-NW-SE			
Sec 14		Twp. 16S		Rge. 21E	
Permanent Datum		GL		Elevation 993'	
Log Measured From		GL		K.B. NA D.F. NA G.L. 993'	
Drilling Measured From		GL			
Date		05-02-2014			
Run Number		One			
Depth Driller		720.0			
Depth Logger		701.0			
Bottom Logged Interval		700.0			
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.		102			
Location		Osawatomie			
Recorded By		Gary Windisch			
Witnessed By		John Haas			
RUN		BORE-HOLE RECORD		CASING RECORD	
No.		BIT		FROM	
One		9.875"		0.0	
Two		5.625"		20.0	
		SIZE		WGT.	
		7.00"		17.0#	
		FROM		TO	
		0.0		20.0	
		2.875"		6.5#	
		0.0		706.0	

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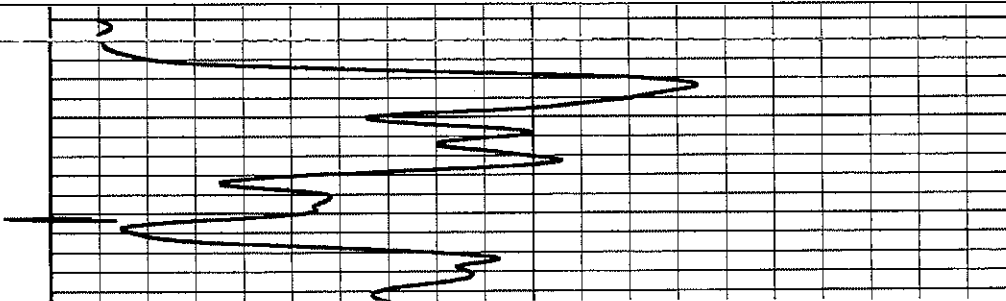
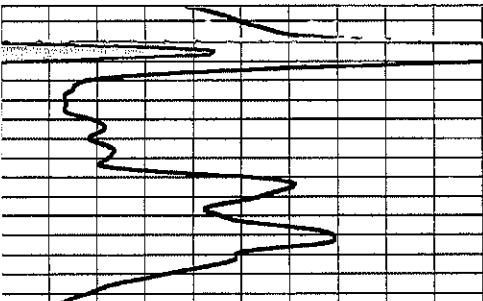
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

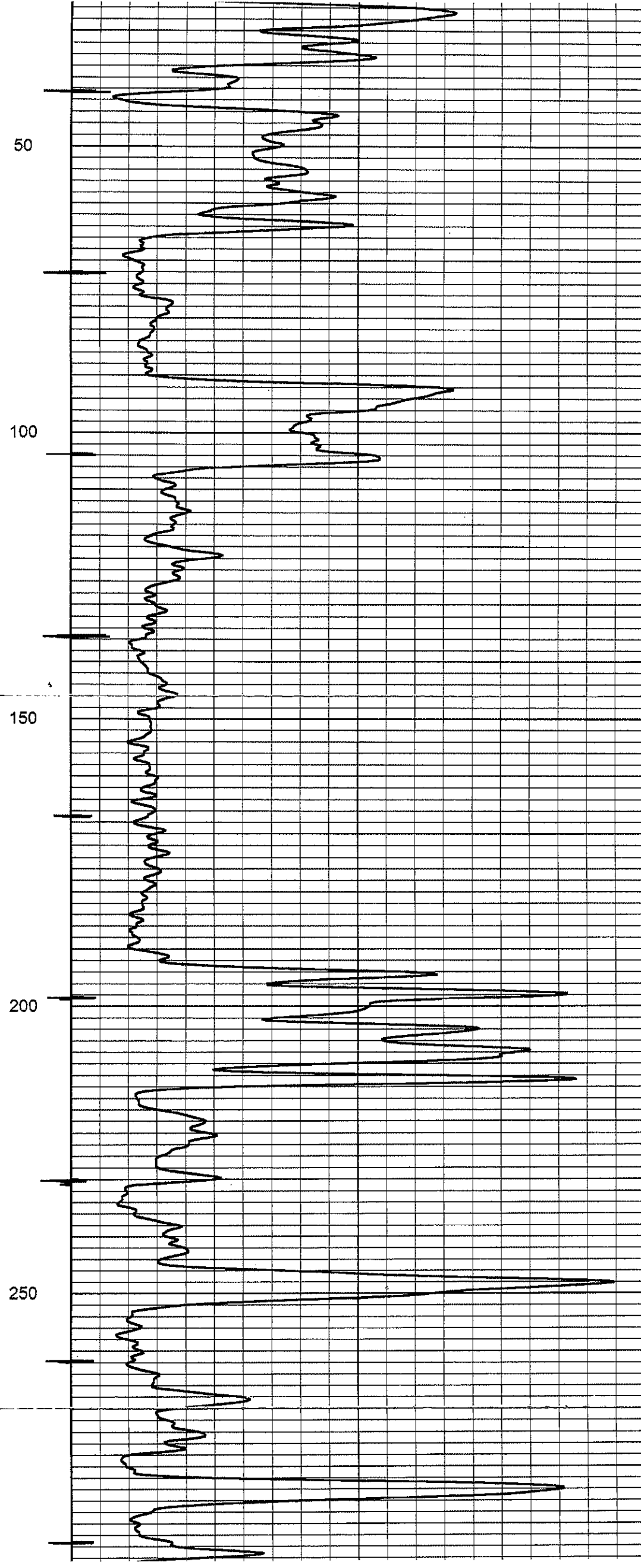
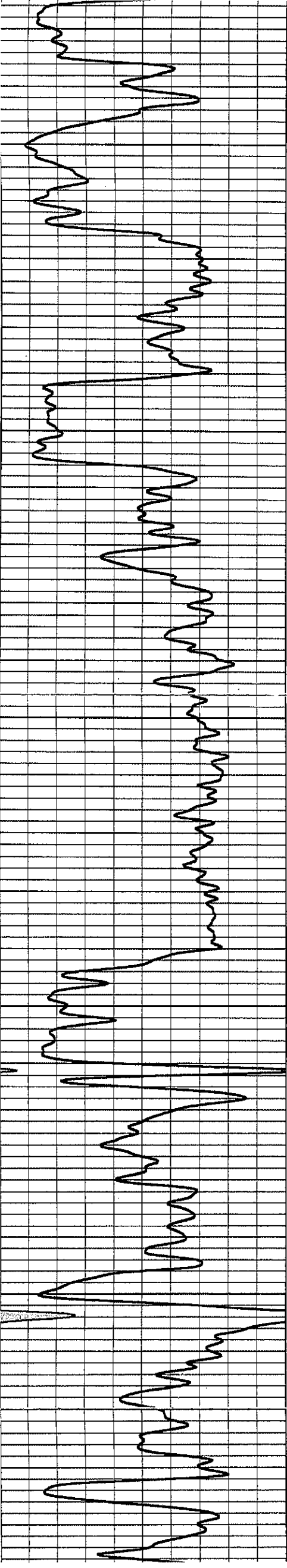
Comments

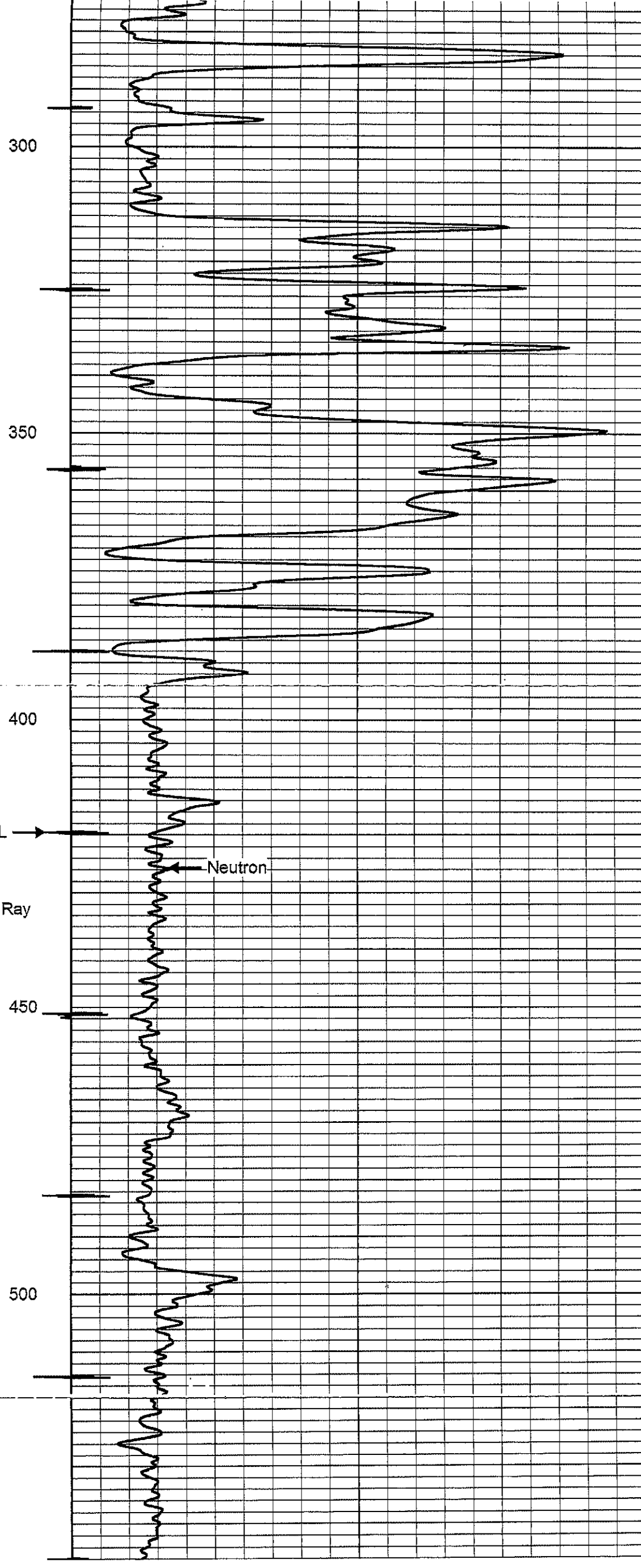
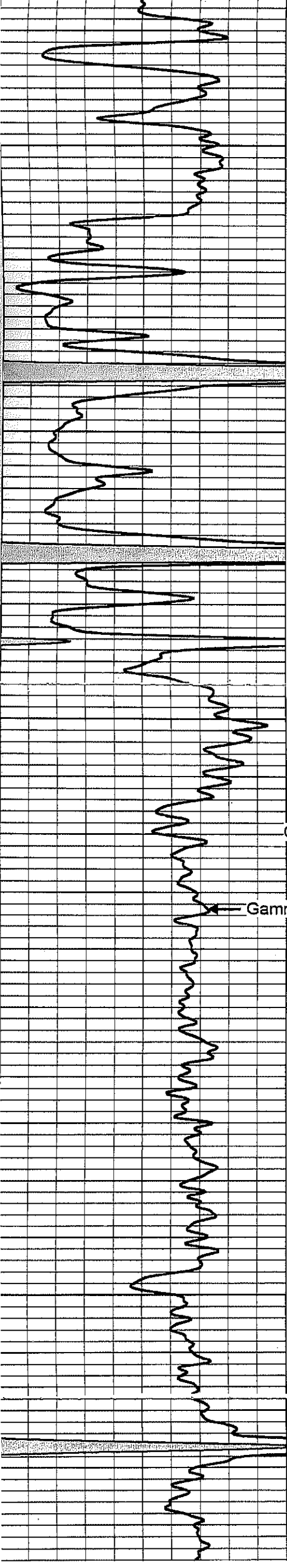
Drilling Contractor :
Skyy Drilling, LLC.
Rig #5

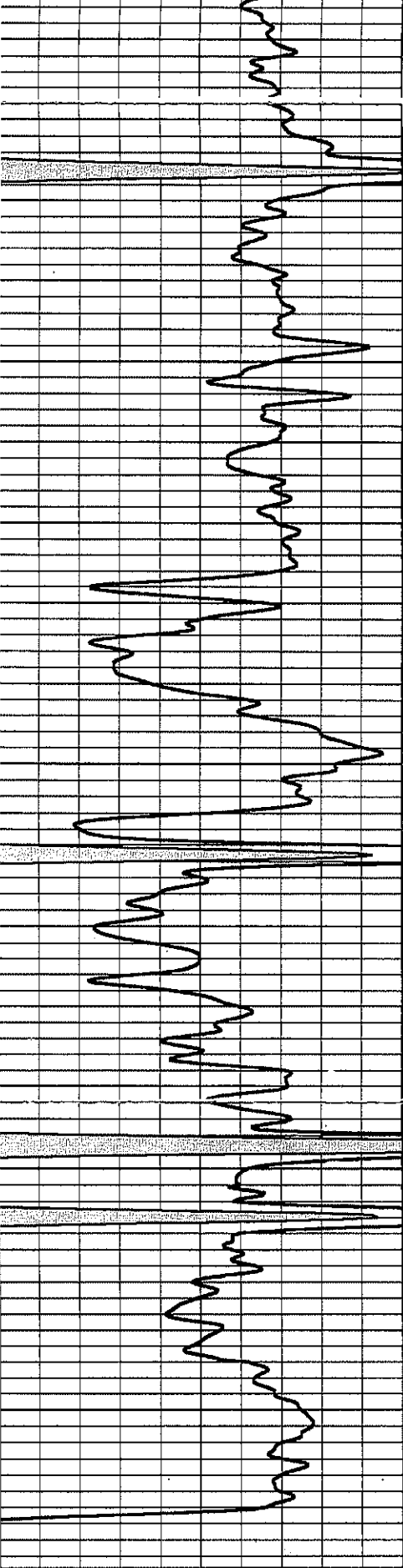
Database File: phillips1hp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Fri May 02 09:20:47 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (cps)	150	-1 CCL 1		
150	Gamma Ray (cps)	300	100	Neutron (cps)	1900

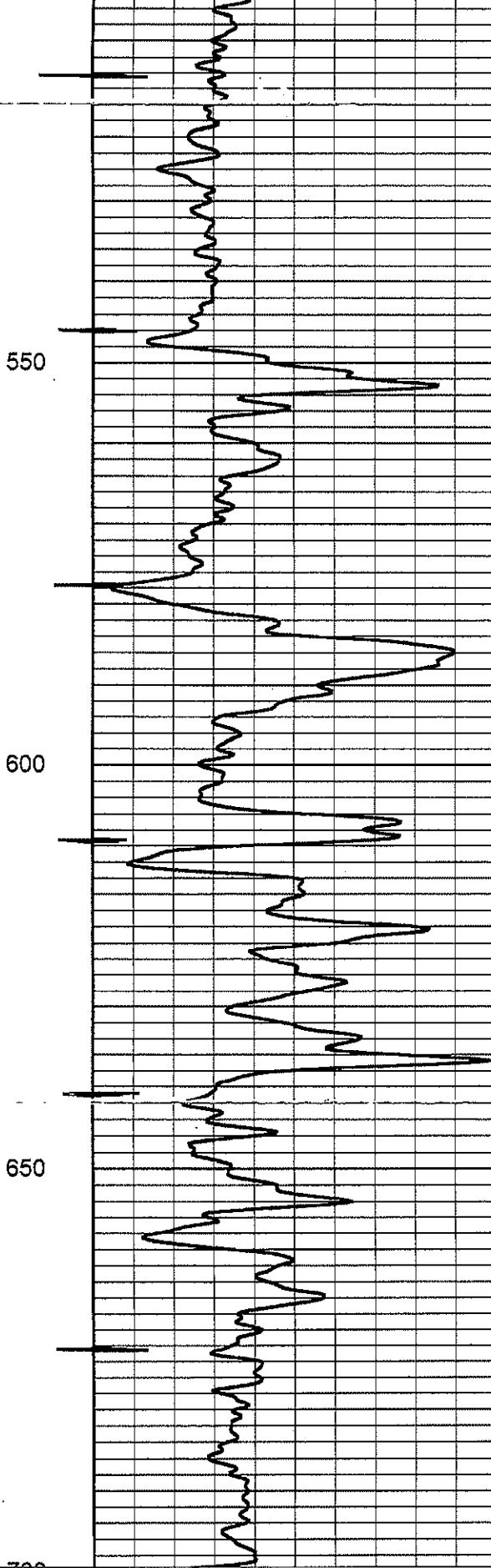








0	Gamma Ray (cps)	150
150	Gamma Ray (cps)	300



-1 CCL 1
100

Neutron (cps) 1900

05-02-2014
Perforated Interval
663.0 - 673.0 21 Perfs
2" DML RTG