



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. 5-HP			
		Field Paola - Rantoul			
		County Miami		State Kansas	
Location		1885' FSL & 1470' FEL NE-SE-NW-SE			
Sec. 14		Twp. 16S		Rge. 21E	
Permanent Datum		GL		Elevation NA	
Log Measured From		GL		Other Services	
Drilling Measured From		GL		Perforate	
				Elevation	
				K.B. NA	
				D.F. NA	
				G.L. NA	
Date	05-19-2014				
Run Number	One				
Depth Driller	720.0				
Depth Logger	707.2				
Bottom Logged Interval	706.2				
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 Windisch				
Witnessed By	Mark Haas				
RUN					
BORE-HOLE RECORD					
No.	BIT	FROM	TO	SIZE	WGT.
One	9.875"	0.0	21.0	7.00"	17.0 #
Two	5.675"	21.0	720.0	2.875"	6.5 #
CASING RECORD					
FROM					
TO					

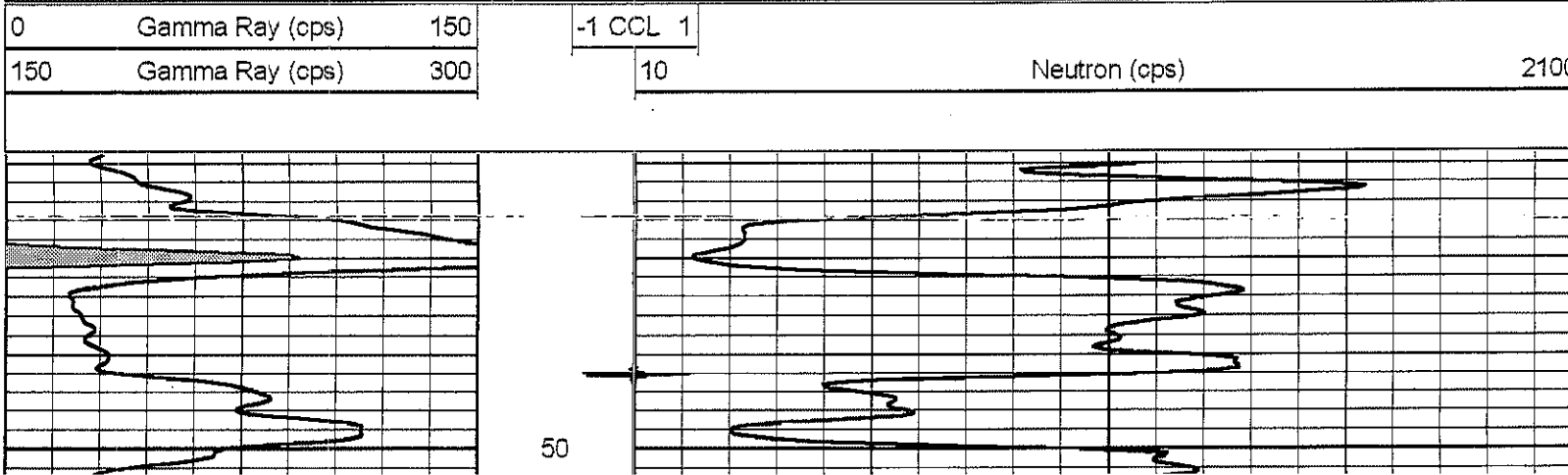
*** Fold Here ***

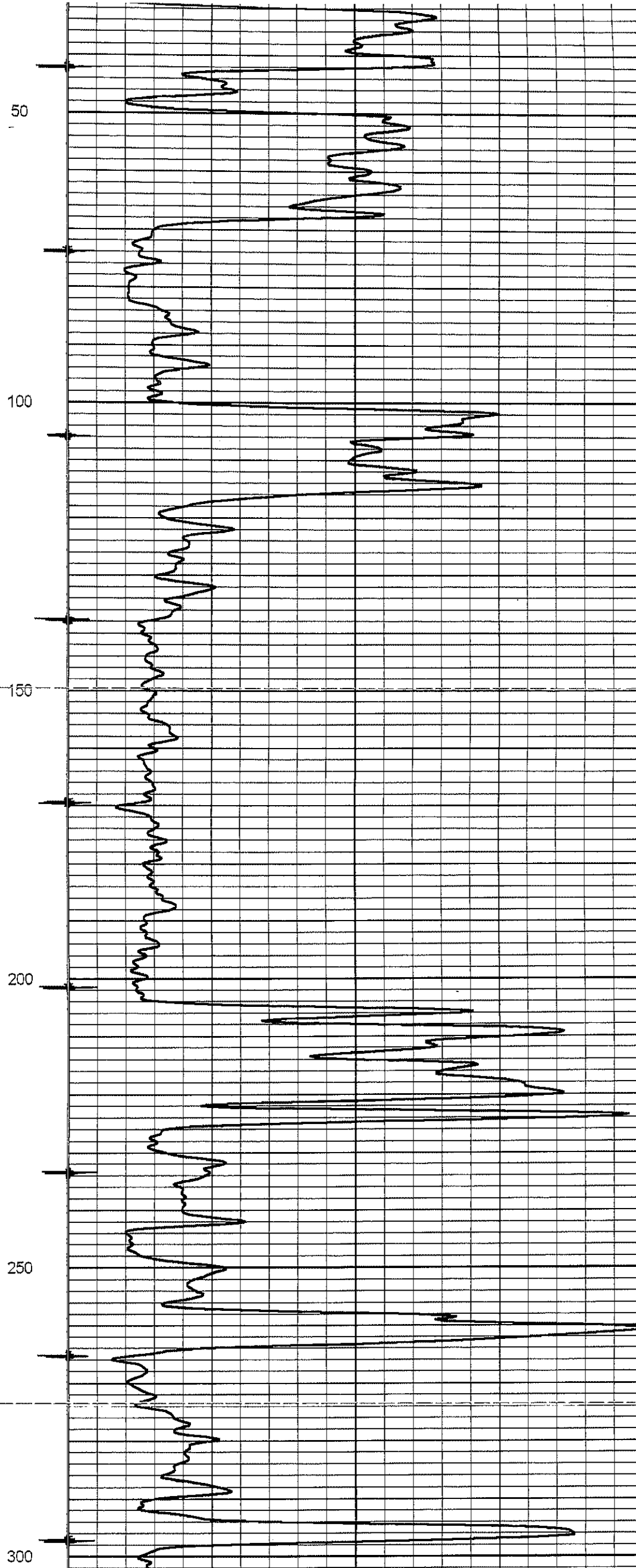
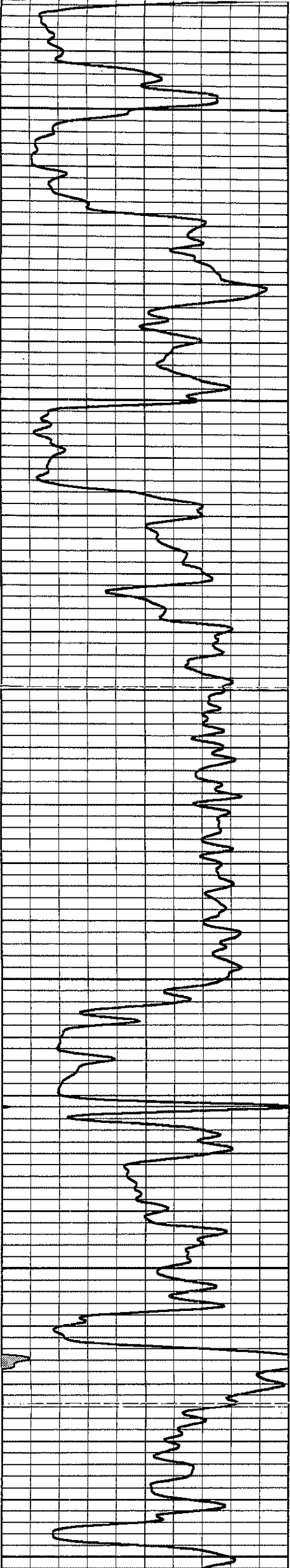
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

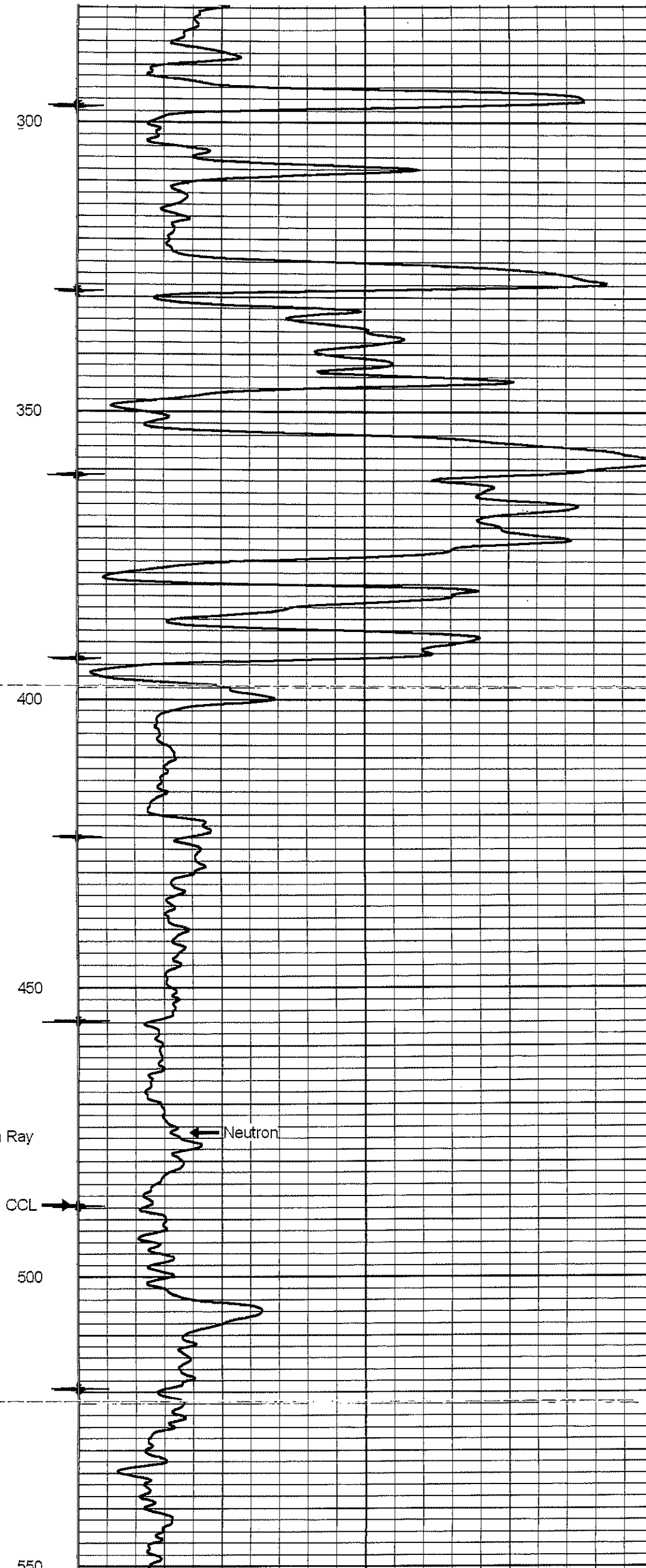
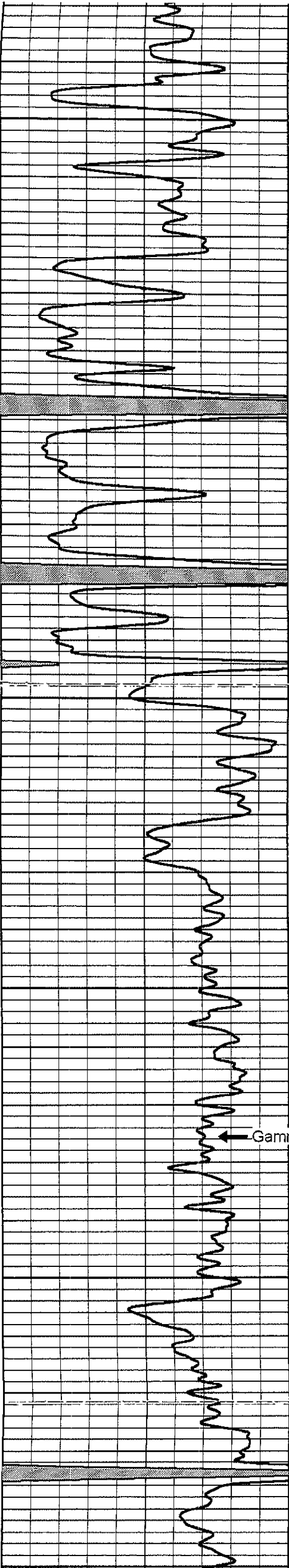
Comments

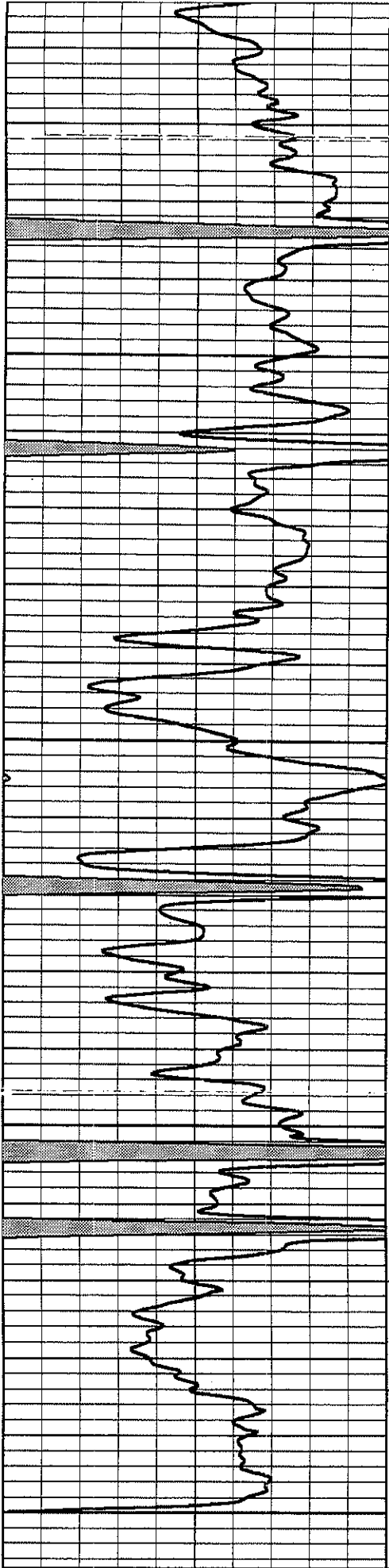
Drilling Contractor :
Skyy Drilling, LLC
Rig # 5

Database File: phillips5hp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Mon May 19 09:25:55 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

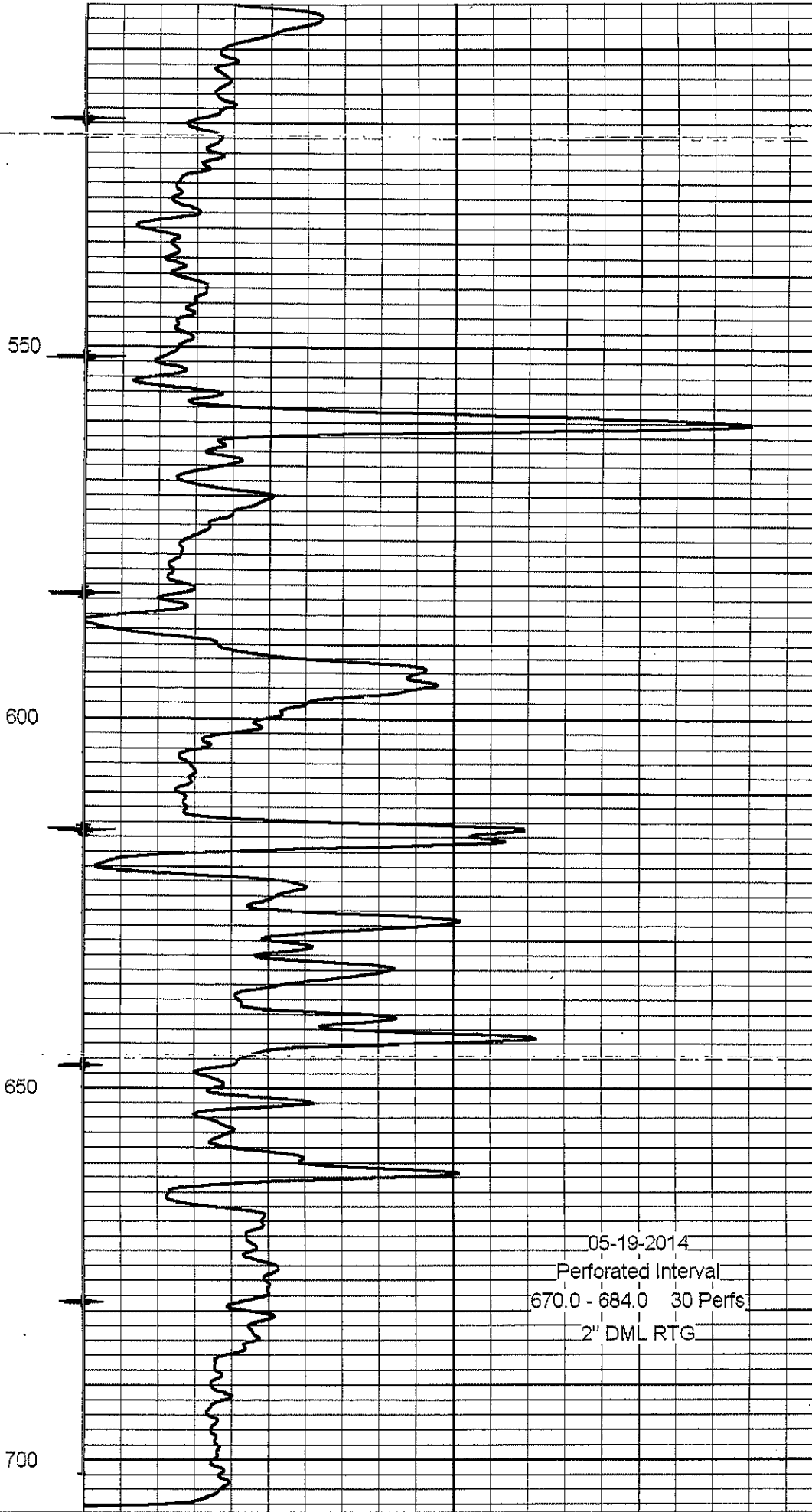








0	Gamma Ray (cps)	150
150	Gamma Ray (cps)	300



-1 COL 1	10	Neutron (cps)	210
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05-19-2014
Perforated Interval
670.0 - 684.0 30 Perfs
2" DML RTG