



MIDWEST SURVEYS
LOGGING - PERFORATING - CONSULTING SERVICES
P.O. Box 68, Osawatomie, KS 66064
913 / 766 - 2128

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-121-29,789

Company		Haas Petroleum, LLC	
Well		Phillips No. 11-HP	
Field		Paola - Rantoul	
County		Miami State Kansas	
Location		1040' FSL & 940' FEL NE-NW-SE-SE	
Sec. 14		Twp. 16s Rge. 21e	
Permanent Datum		GL	
Log Measured From		GL	
Drilling Measured From		GL	
Other Services		Perforate	
Elevation		K.B. NA D.F. NA G.L. NA	
Date		05-19-2014	
Run Number		One	
Depth Driller		720.0	
Depth Logger		705.0	
Bottom Logged Interval		704.0	
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	
Location		Osawatomie	
Recorded By		Steve Windisch	
Witnessed By		Mark Haas	
RUN		BORE-HOLE RECORD	
No.		BIT	
FROM		TO	
SIZE		WGT.	
FROM		FROM	
TO		TO	
One		9.875"	
Two		5.675"	
21.0		720.0	
2.875"		6.5 #	
0.0		708.5	

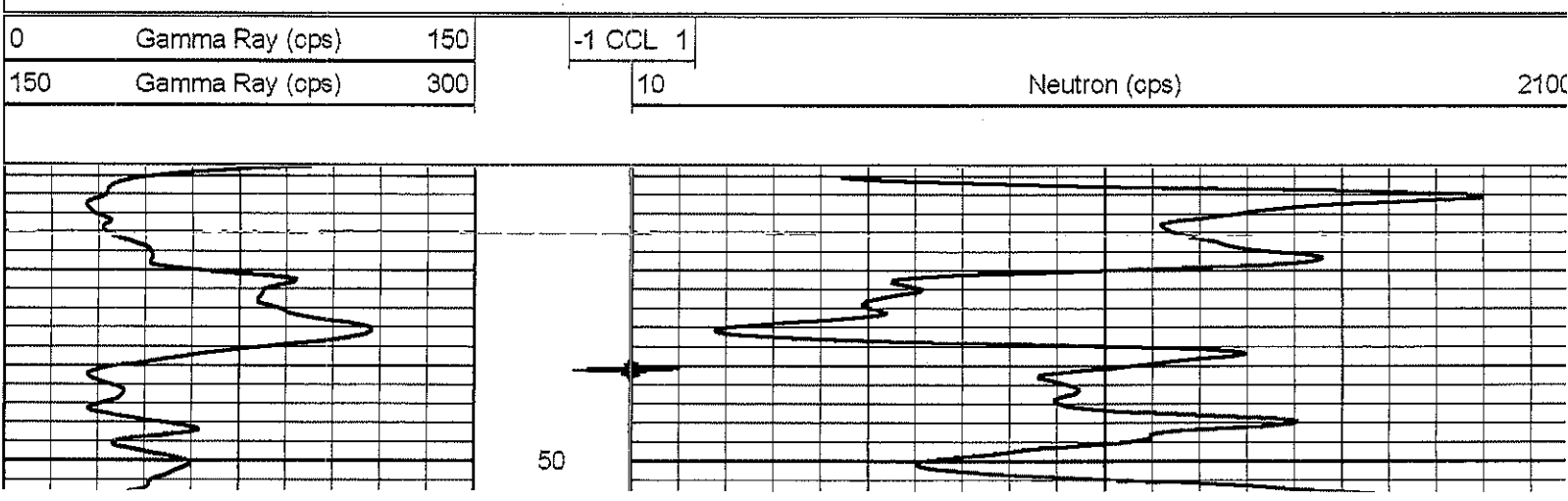
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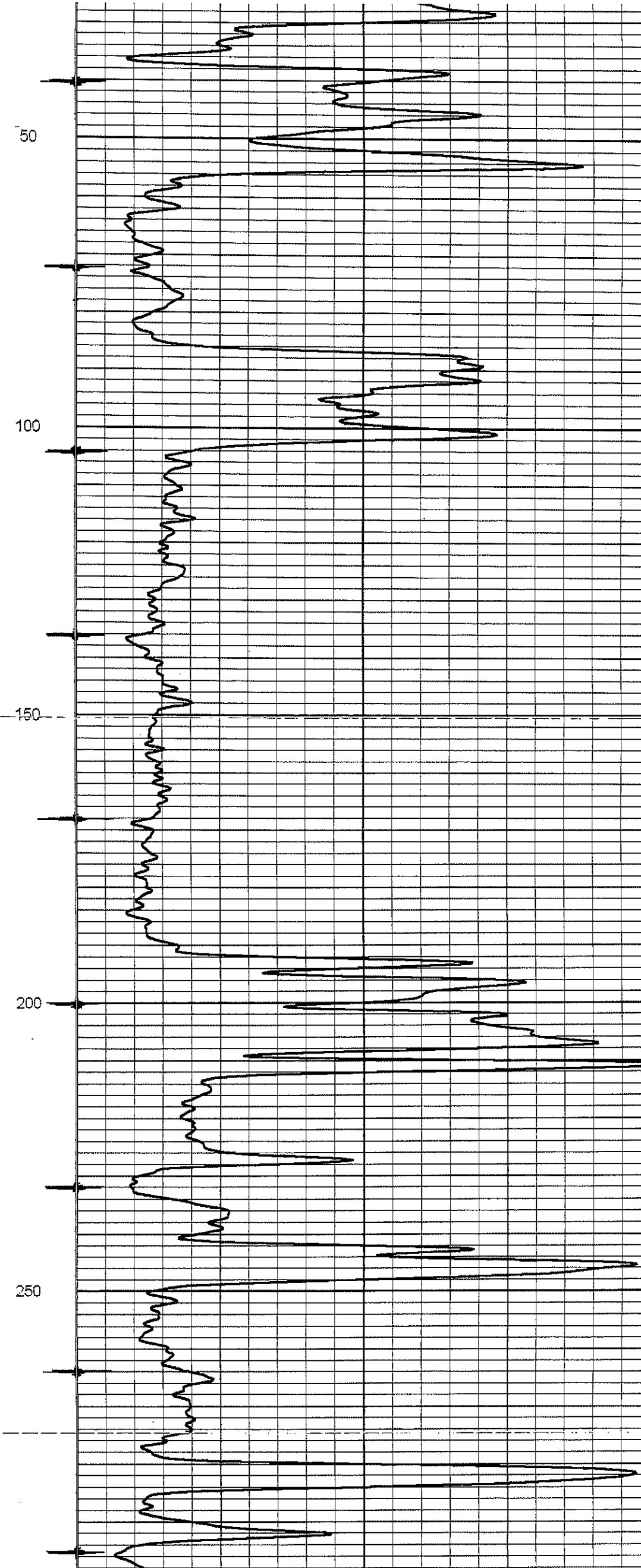
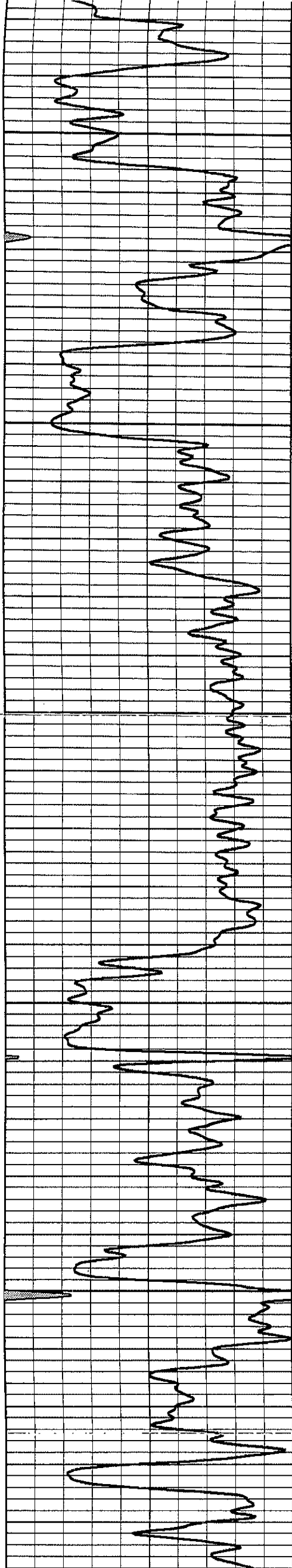
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

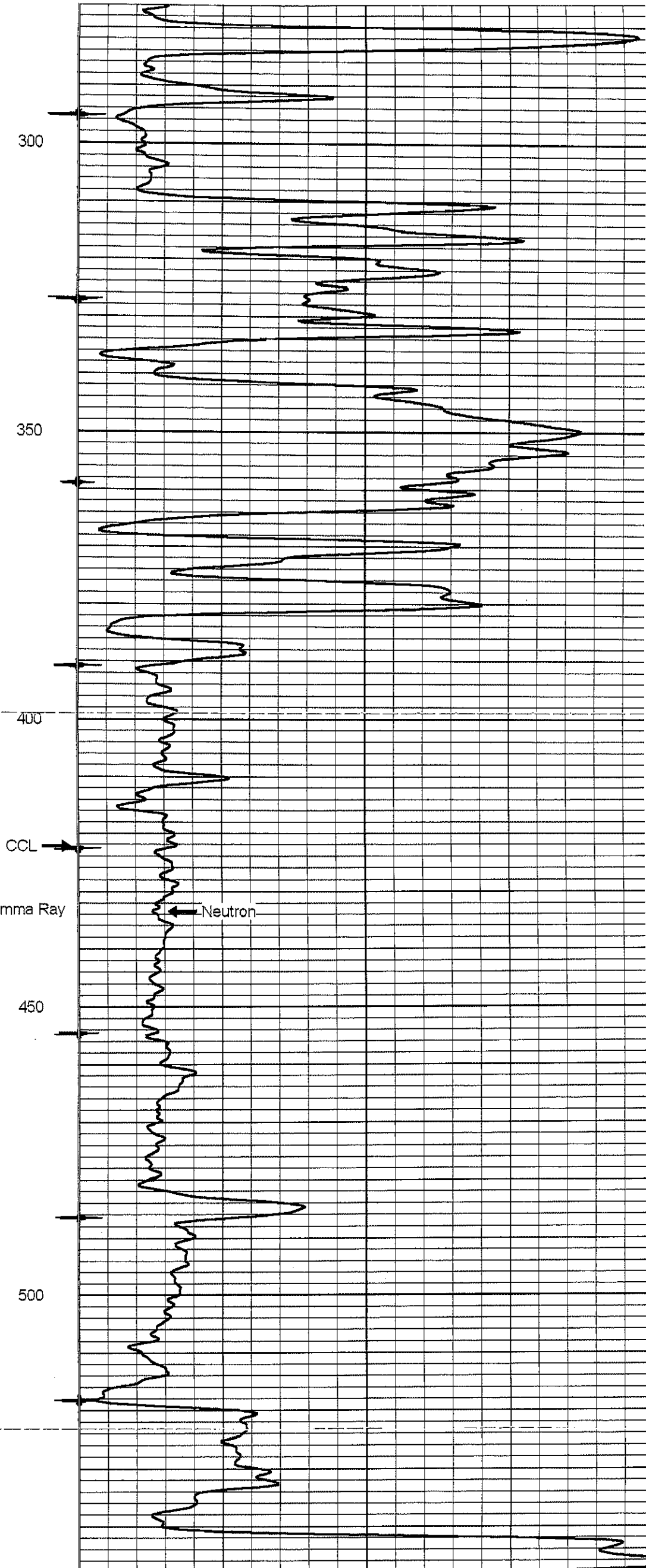
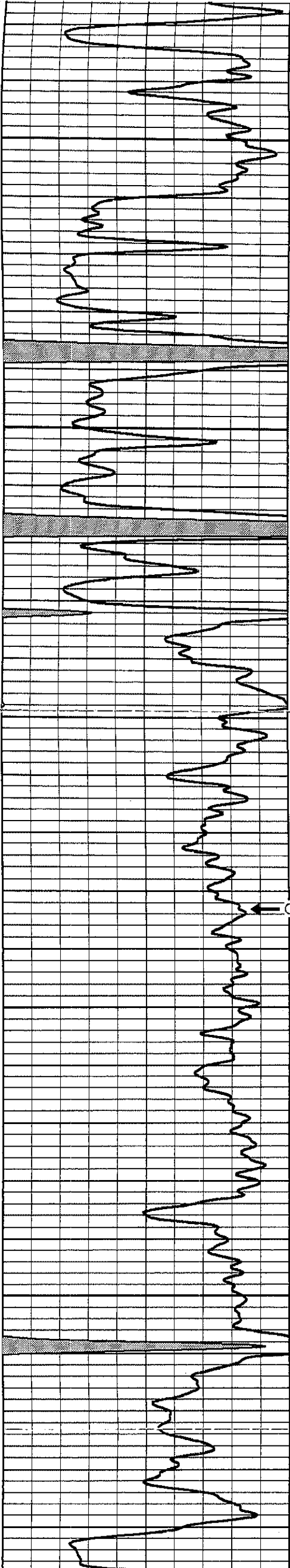
Comments

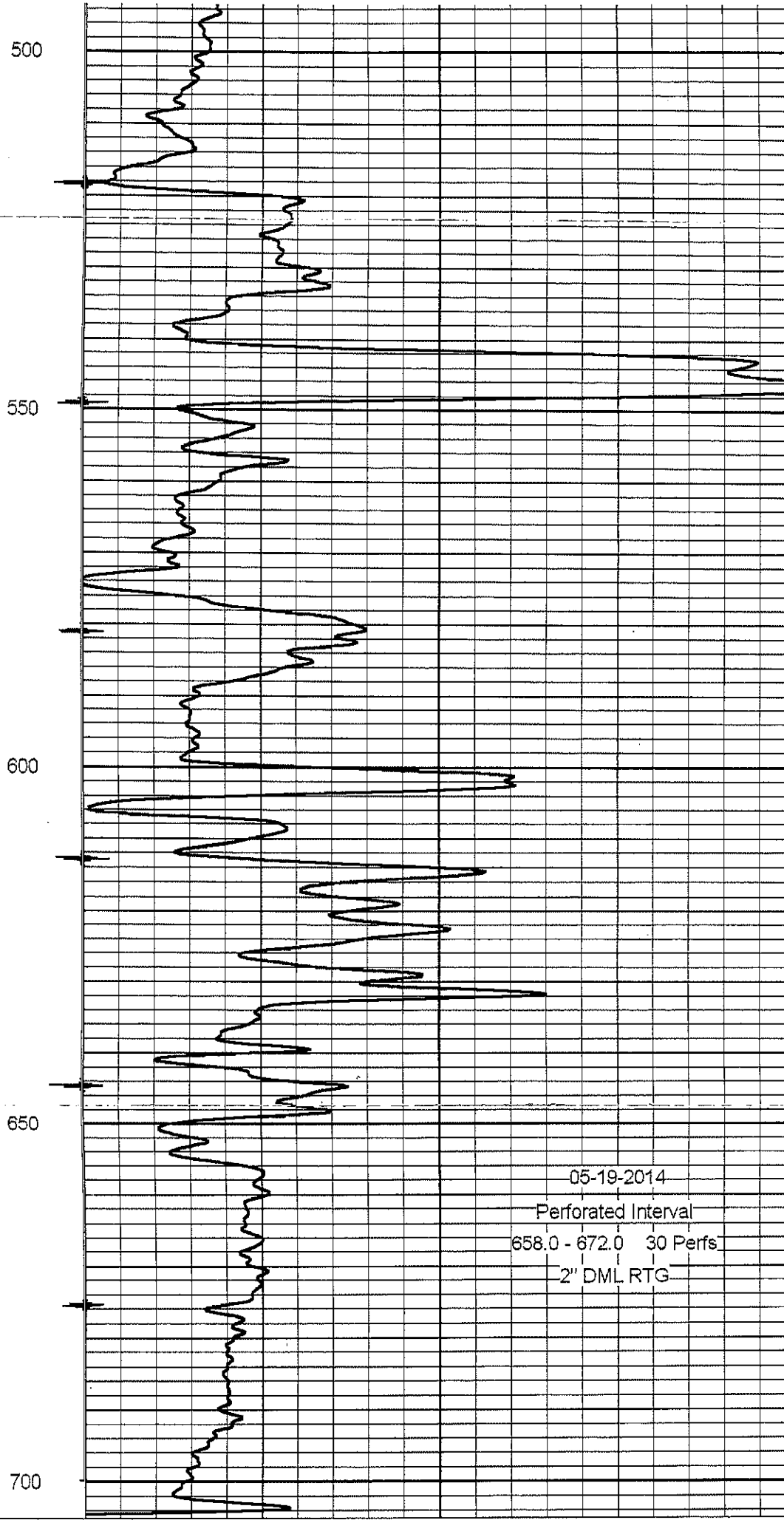
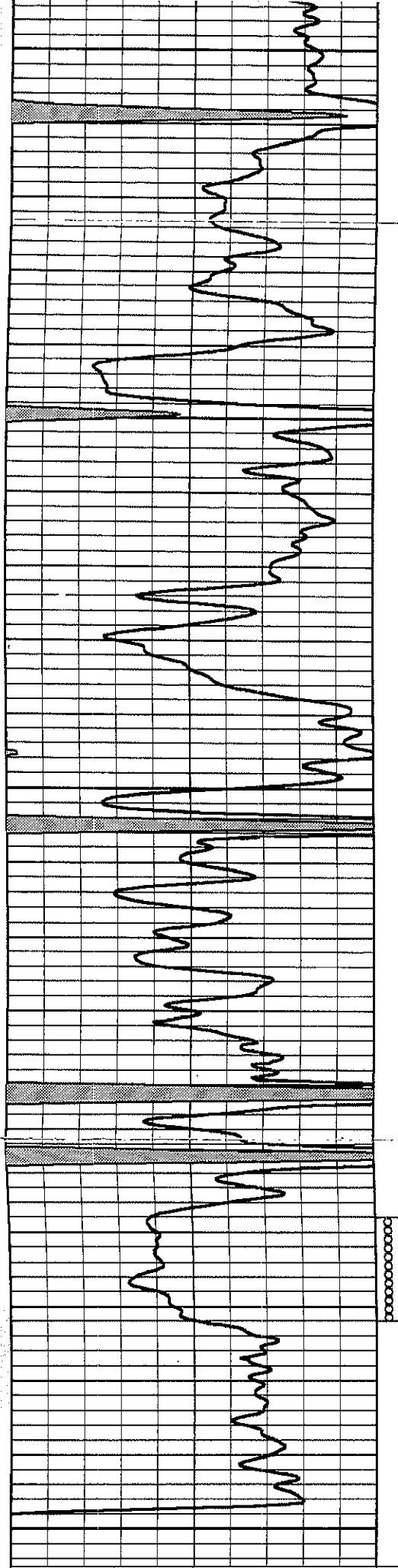
Drilling Contractor :
Skyy Drilling, LLC
Rig # 5

Database File: phillips11hp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Mon May 19 10:23:21 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240









05-19-2014
Perforated Interval
658.0 - 672.0 30 Perfs
2" DML RTG

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

-1	CCL	1
10		

Neutron (cps) 2100