



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 Detar No. 7i-HP			
		Field Paola / Rantoul			
		County Franklin		State Kansas	
Location		1840' FNL & 4000' FEL SE-NE-SW-NW			
Sec. 3		Twp. 16S		Rge. 21E	
Permanent Datum		GL		Elevation 1003'	
Log Measured From		GL		Elevation	
Drilling Measured From		GL		Elevation	
				K.B. NA D.F. NA G.L. 1003'	
Other Services		Perforate			
Date		10-05-2015			
Run Number		One			
Depth Driller		748.0			
Depth Logger		741.0			
Bottom Logged Interval		740.0			
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		Osawatomie	
Recorded By		Gary Windisch			
Witnessed By		John Haas			
RUN		BORE-HOLE RECORD			
No.		BIT		FROM	
		TO		SIZE	
		WGT.		FROM	
		TO		TO	
One		9.875"		0.0	
		20.0		7.00"	
		17.0 #		0.0	
		0.0		20.0	
Two		5.625"		20.0	
		748.0		2.875"	
		6.5 #		742.0	

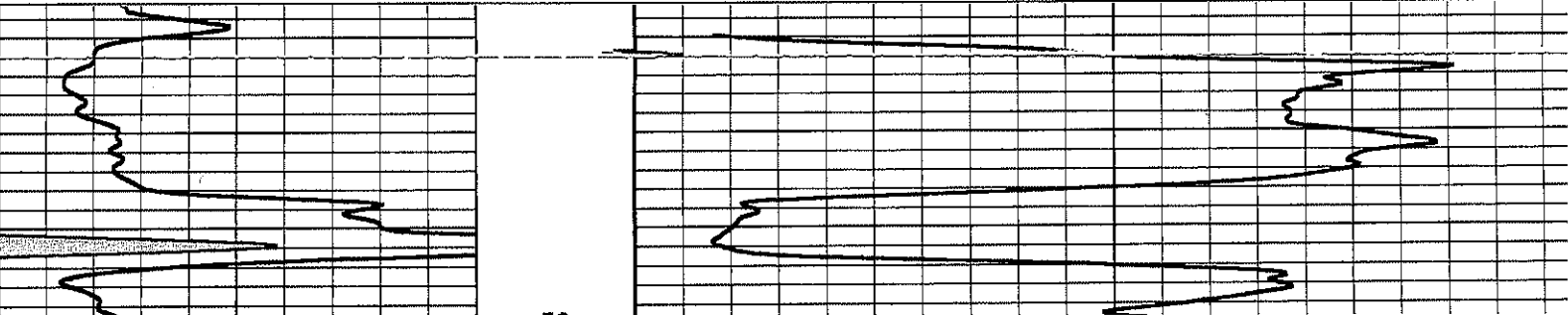
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

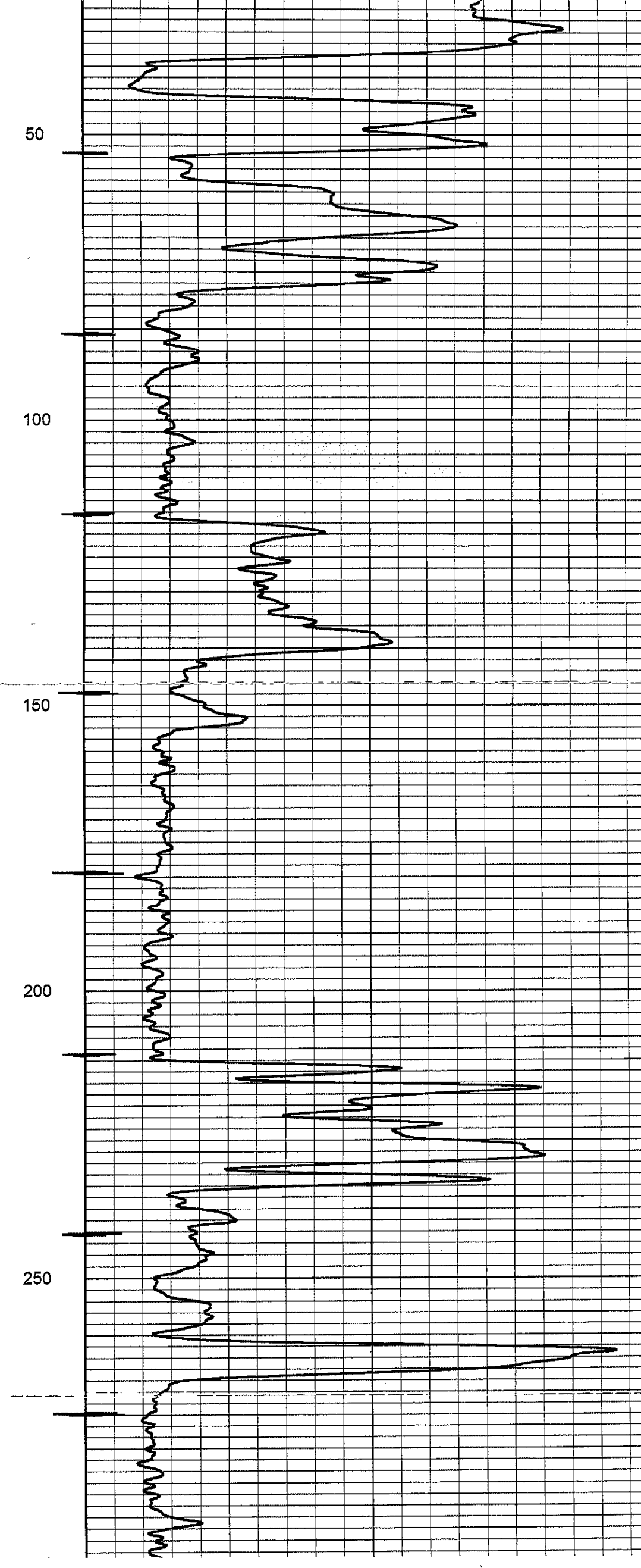
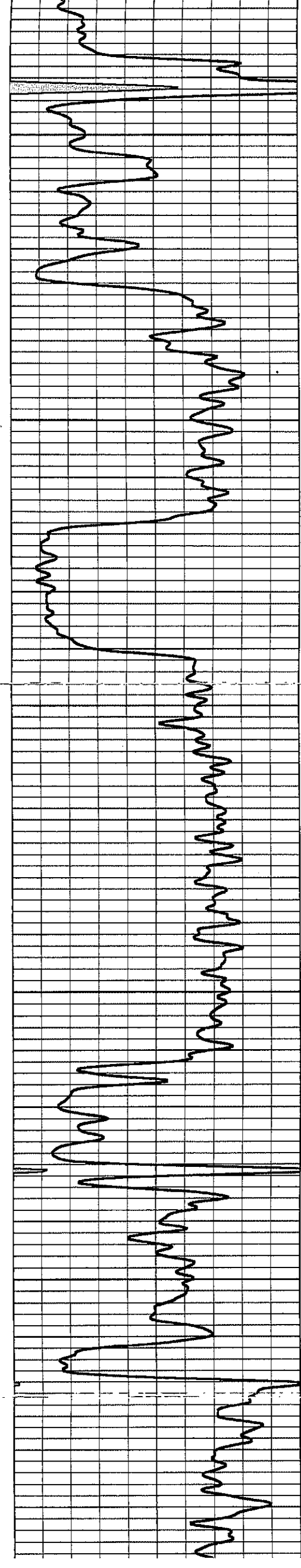
Comments

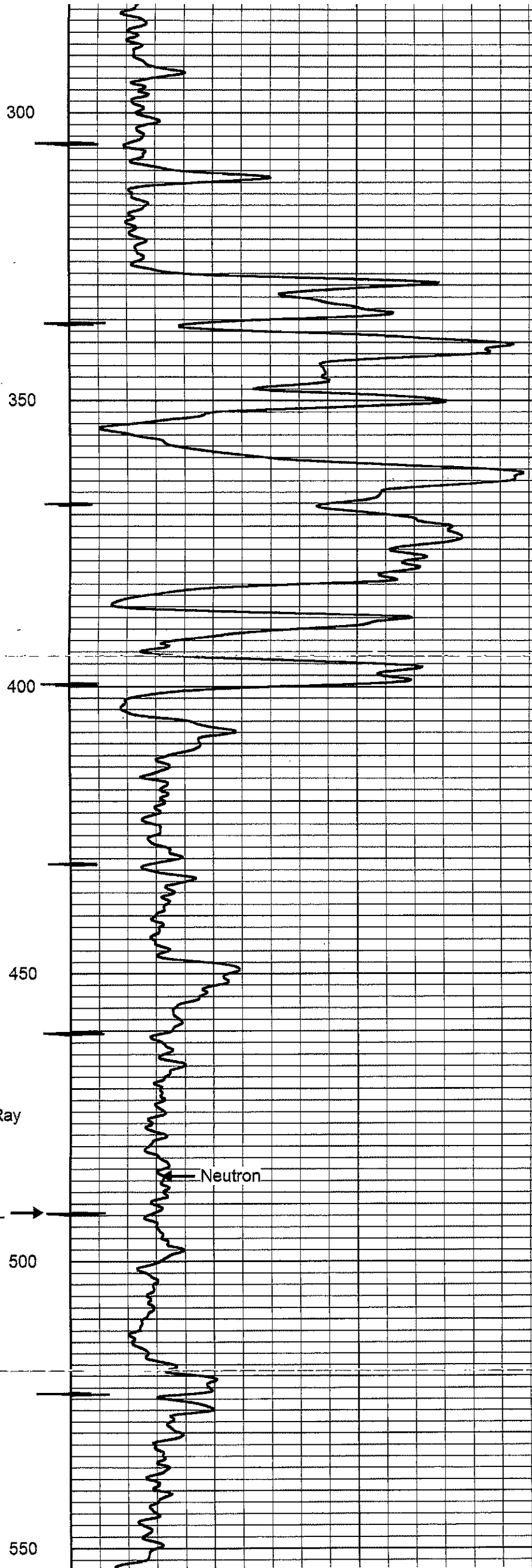
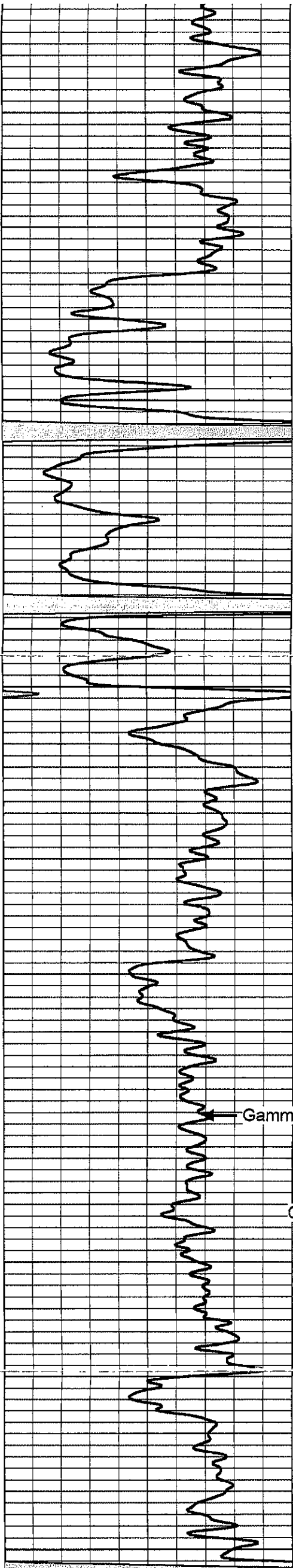
Drilling Contractor :
Skeyy Drilling, LLC.
Rig #6

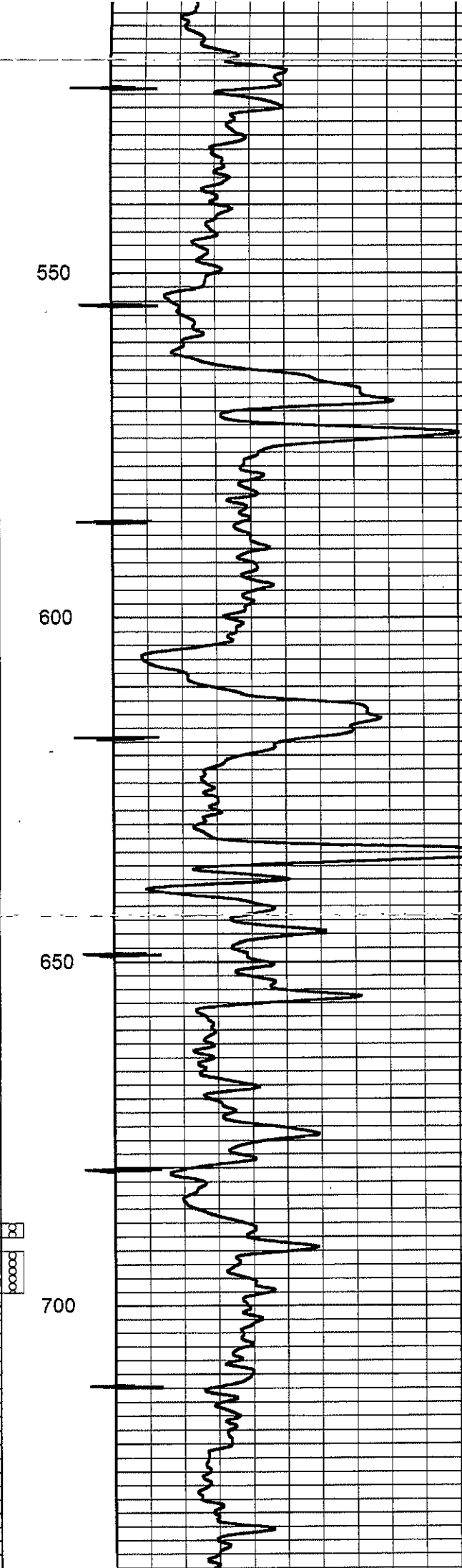
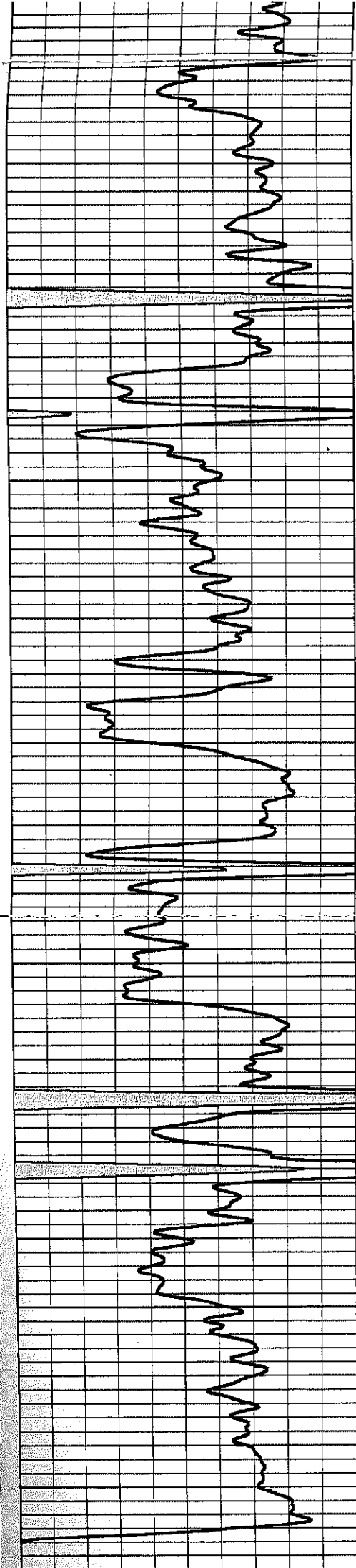
Database File: detar 7ihp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Mon Oct 05 14:59:56 2015 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (cps)	150	-1 CCL 1	100	Neutron (cps)	190
150	Gamma Ray (cps)	300				









10-08-2015
Perforated Intervals
2" DML RTG
688.0 - 690.0 5 Perfs
692.0 - 698.0 13 Perfs

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

-1 CCL 1
100

Neutron (cps)

190