



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

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-121-29,474

Company **Haas Petroleum, LLC.**

Well **West No. 8-HP**

Field **Paola - Rantoul**

County **Miami** State **Kansas**

Location

**1600' FNL & 775' FEL
NE-NW-SE-NE**

Other Services
Perforate

Sec. **1** Twp. **16s** Rge. **21e**

Elevation

Permanent Datum **GL** Elevation **NA**

Log Measured From **GL**

Drilling Measured From **GL**

K.B. **NA**
D.F. **NA**
G.L. **NA**

Date	11-20-2013		
Run Number	One		
Depth Driller	700.0		
Depth Logger	677.5		
Bottom Logged Interval	676.5		
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	102	Osawatomie
Recorded By	Gary Windisch		
Witnessed By	John Haas		

BORE-HOLE RECORD				CASING RECORD			
RUN	BIT	FROM	TO	SIZE	WGT.	FROM	TO
No.							
One	9.875"	0.0	20.0	7.00"	17.0 #	0.0	20.0
Two	5.625"	20.0	700.0	2.875"	6.5 #	0.0	680.0

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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 :
Sky Drilling, LLC.

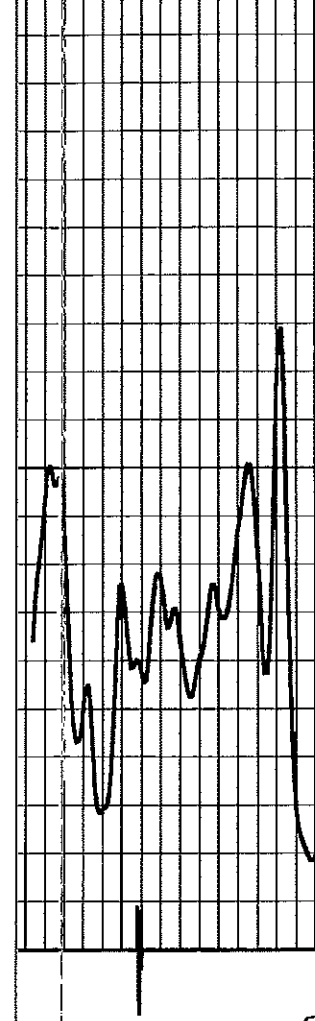
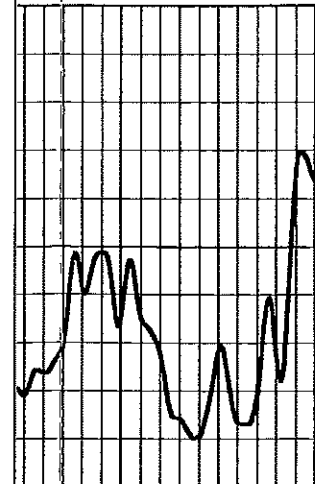
Database File: west8hp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Wed Nov 20 09:29:22 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

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

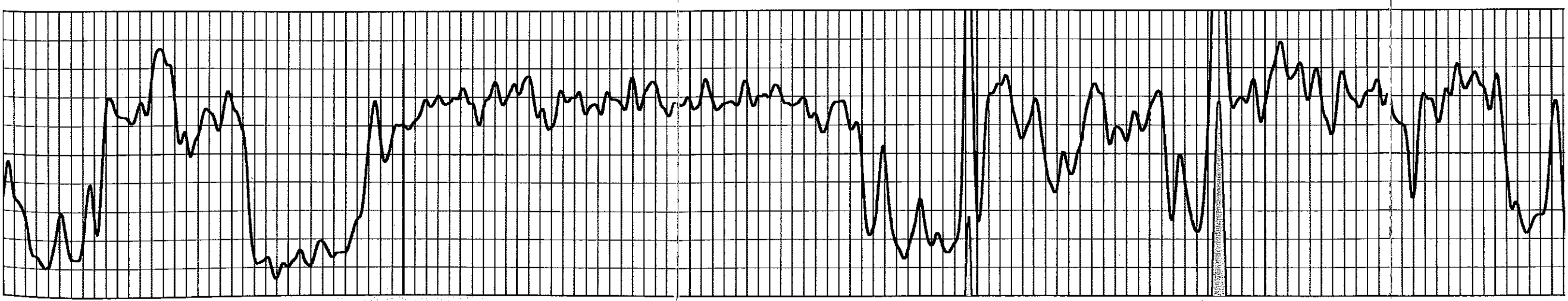
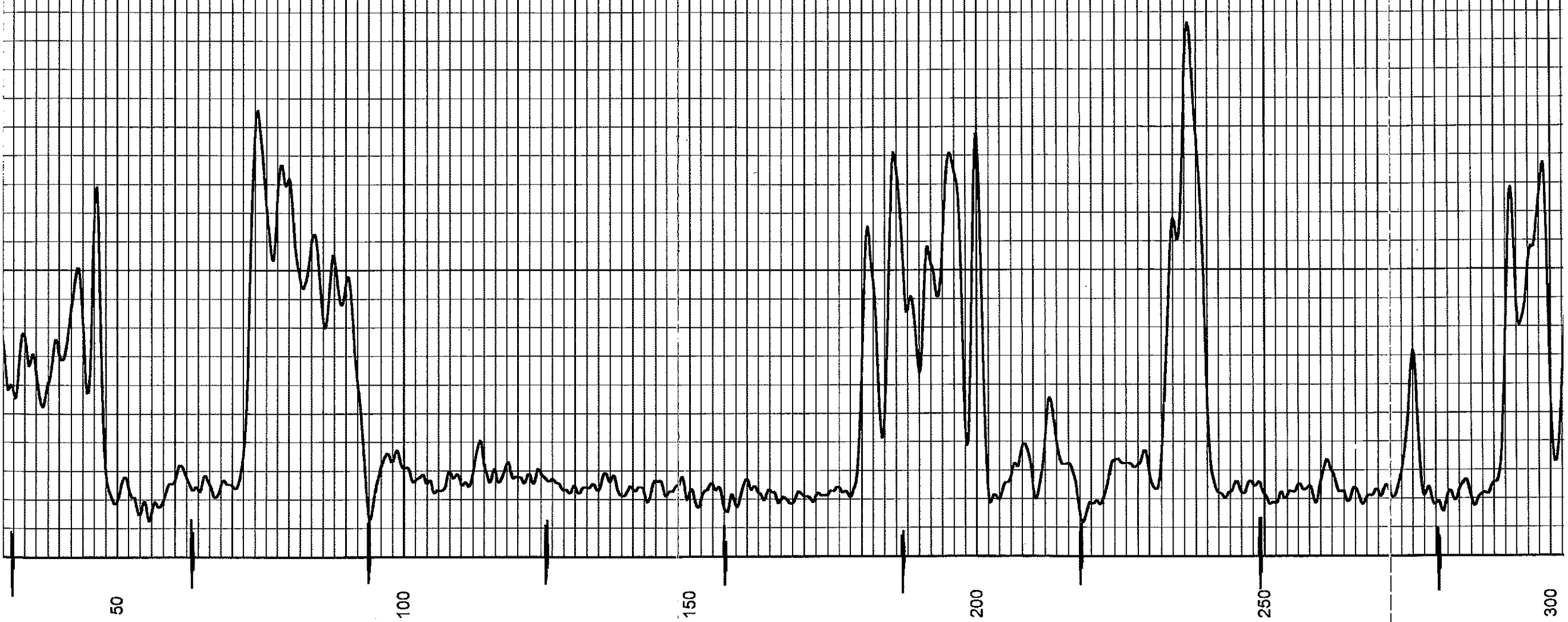
-1 CCL 1
100

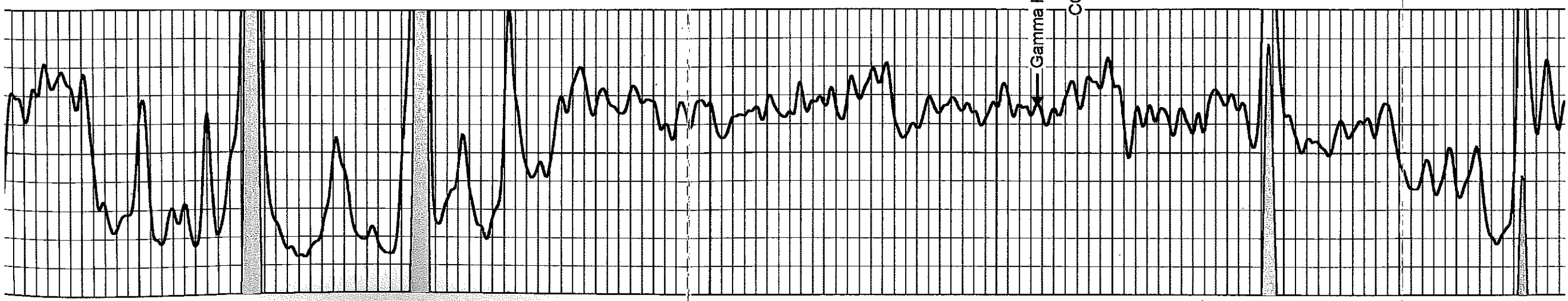
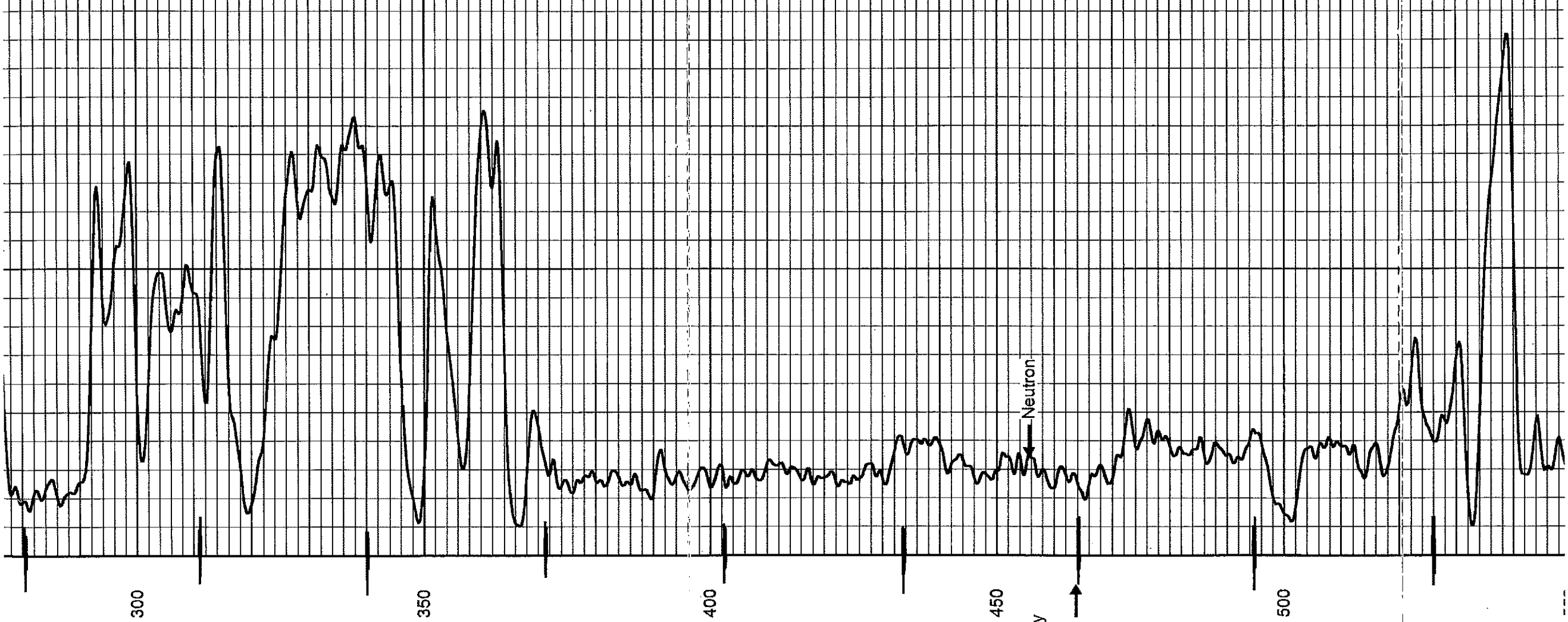
Neutron (cps)

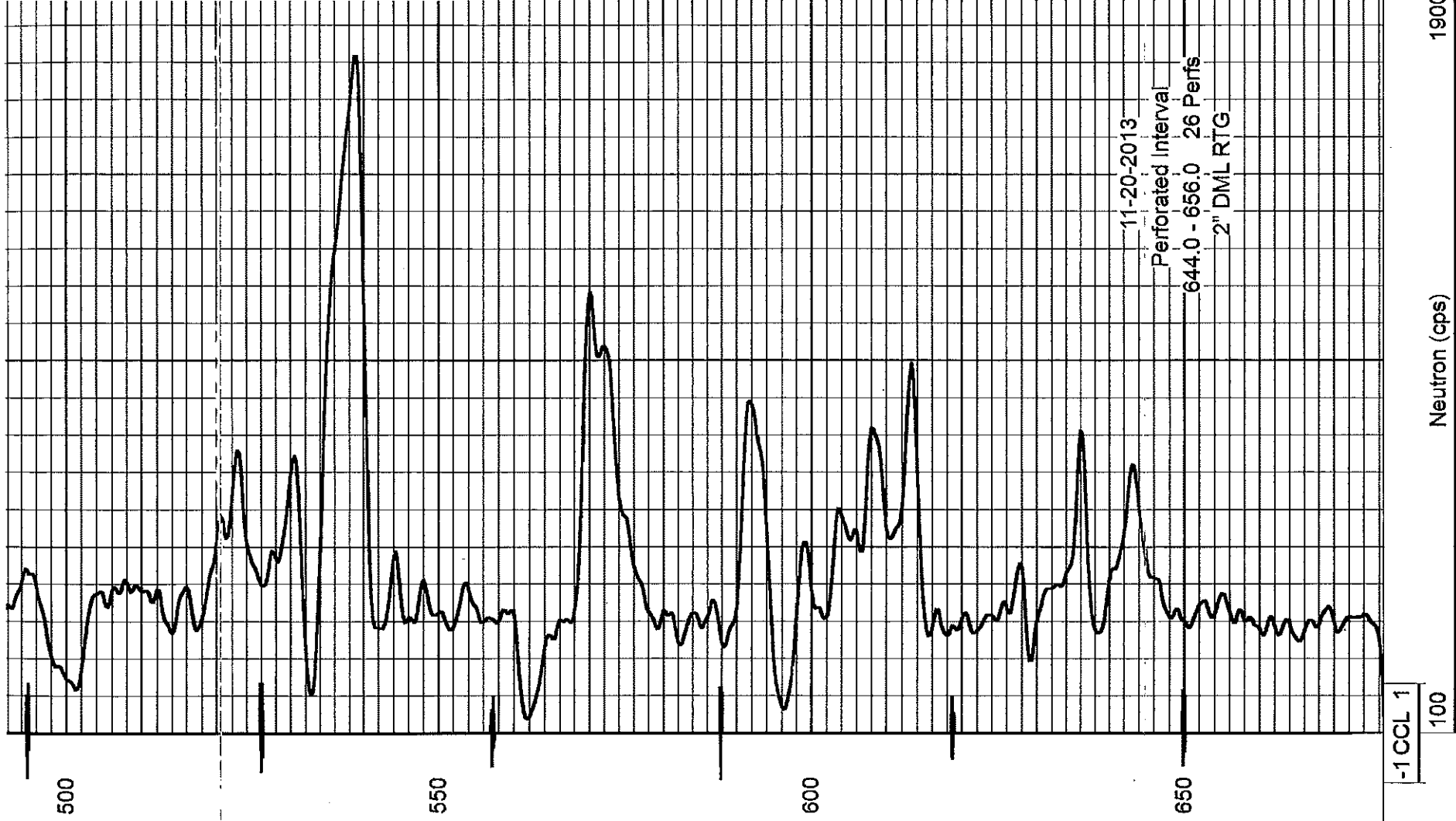
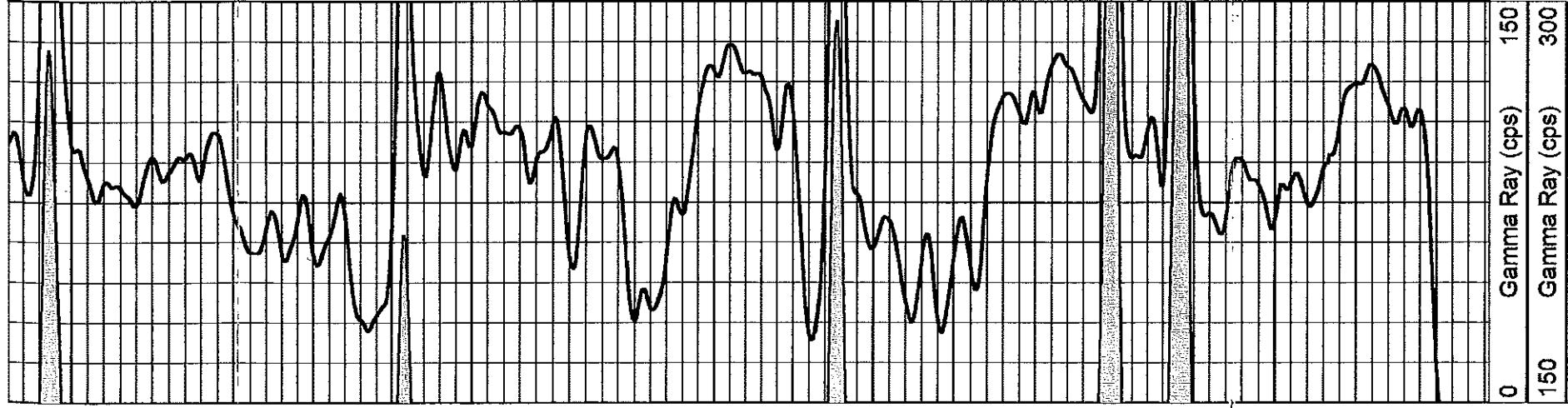
1900



50







11-20-2013
Perforated Interval
644.0 - 656.0 26 Perfs
2" DML RTG

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

-1 CCL 1
100
Neutron (cps)

1900