



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 **West No. 3i-HP**

Field **Paola / Rantoul**

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

Location

1030' FNL & 940' FEL

SE-SW-NE-NE

Sec. 1 Twp. 16S Rge. 21E

Permanent Datum GL Elevation 998'

Log Measured From GL

Drilling Measured From GL

Other Services

Perforate

Elevation

K.B. NA

D.F. NA

G.L. 998'

API# 15-121-30,351

Date 10-06-2014

Run Number One

Depth Driller 680.0

Depth Logger 663.0

Bottom Logged Interval 662.0

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 TO SIZE WGT. FROM TO

One 9.875" 0.0 20.0 7.00" 17.0 # 0.0 20.0

Two 5.625" 20.0 680.0 2.875" 6.5 # 0.0 663.0

TO

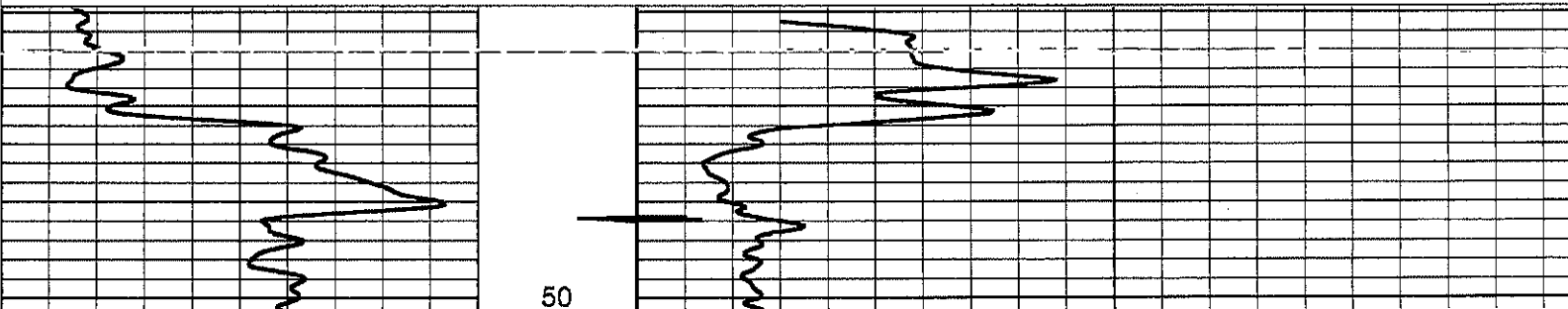
*** Fold Here ***
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible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

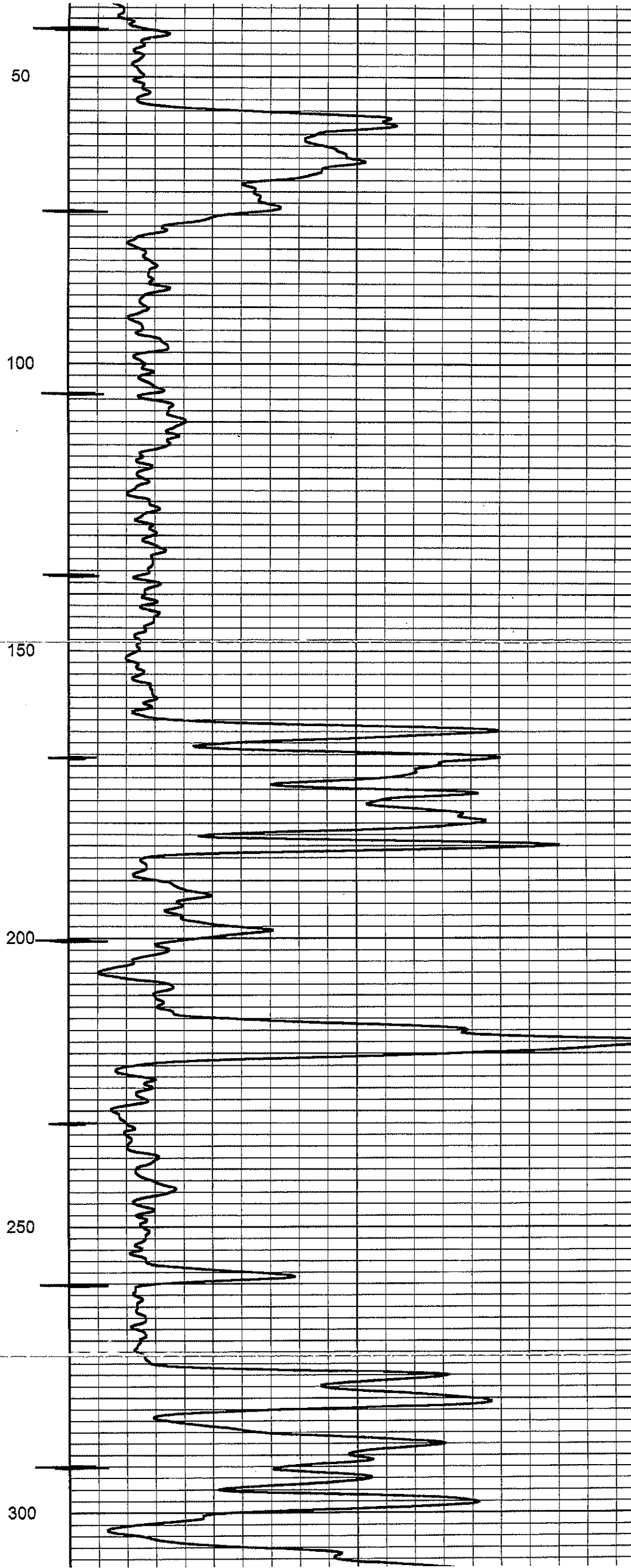
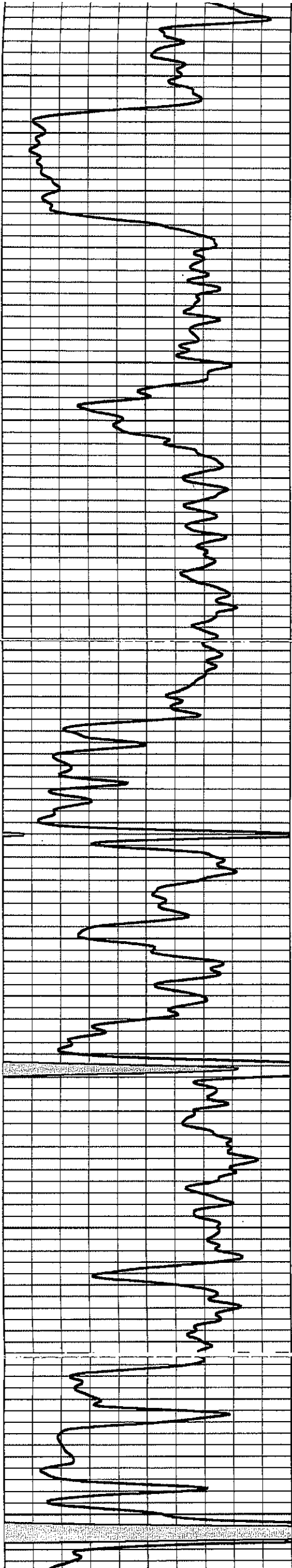
Comments

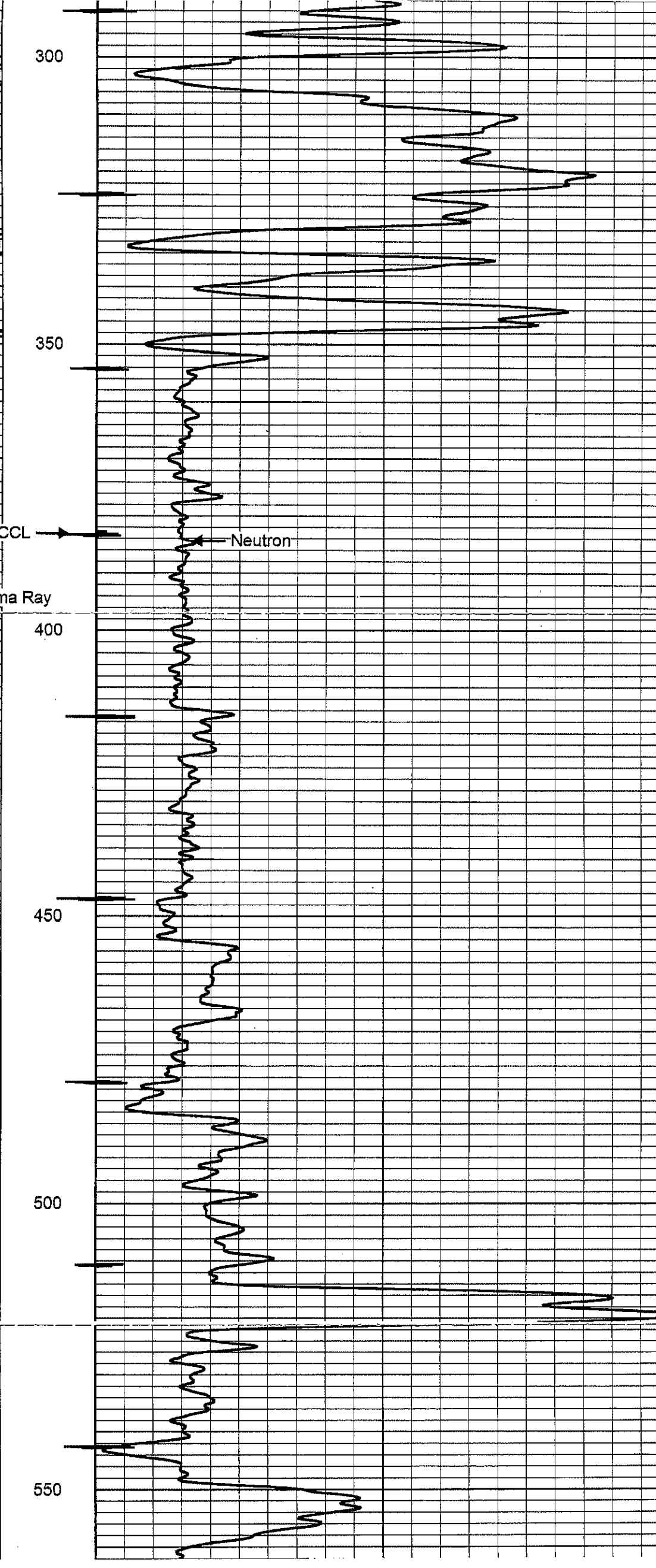
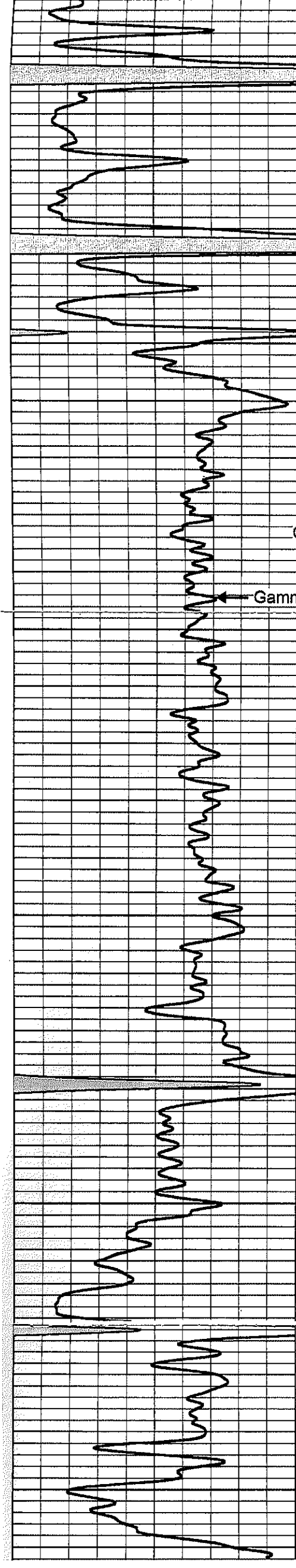
Drilling Contractor :
Skyy Drilling, LLC.
Rig #5

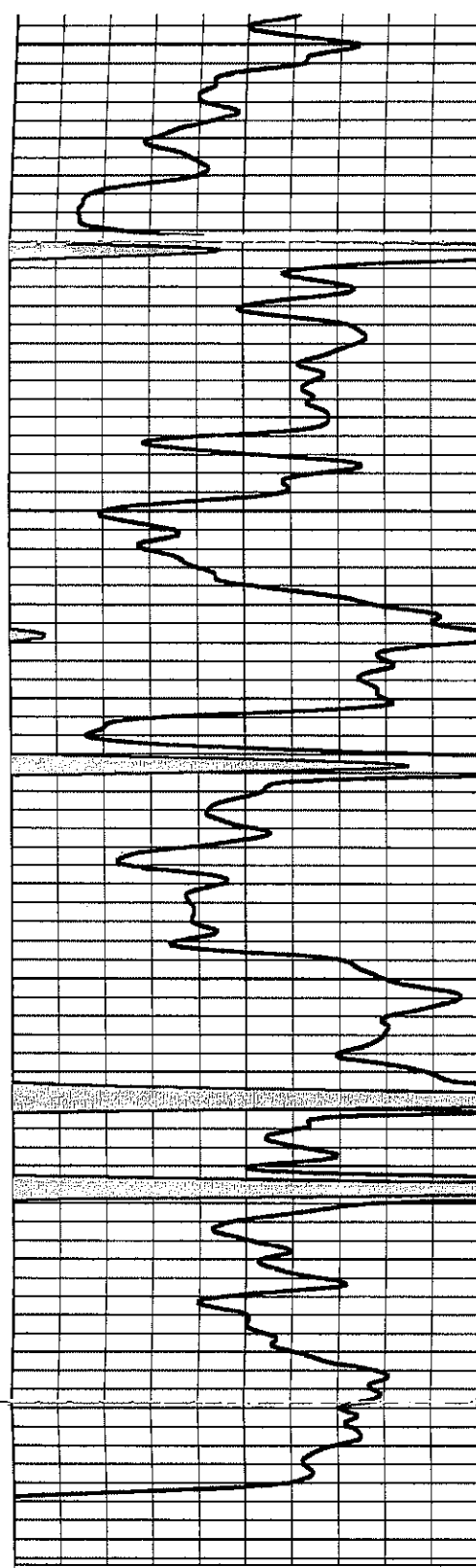
Database File: west3i-hp.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Mon Oct 06 10:22:33 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

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

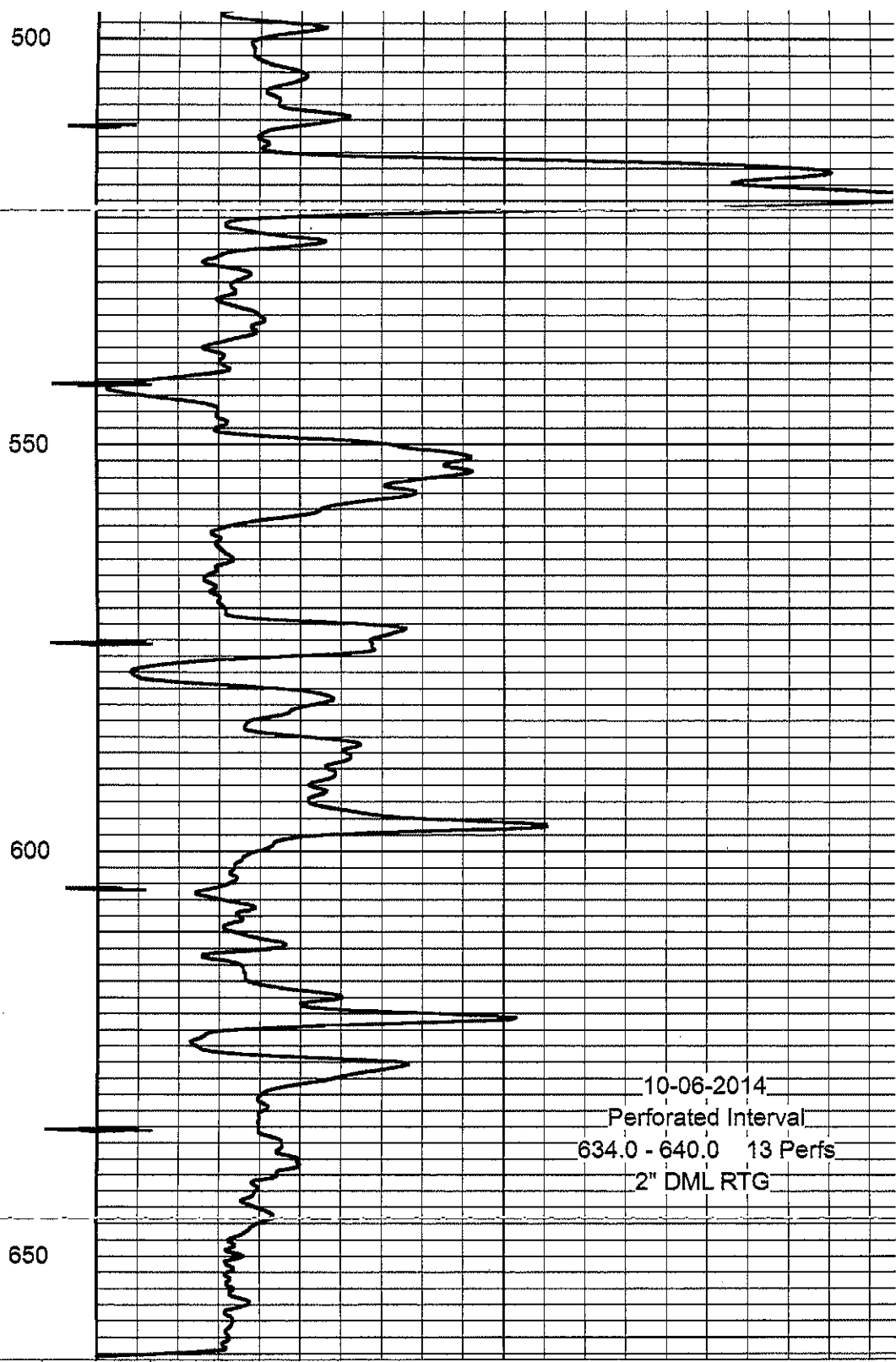








0	Gamma Ray (cps)	150
150	Gamma Ray (cps)	300



-1	CCL	1
100		

Neutron (cps) 1900

10-06-2014
Perforated Interval
634.0 - 640.0 13 Perfs
2" DML RTG