



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

**GAMMA RAY / NEUTRON / CCL**

|                        |        |                                                                            |                     |        |        |      |       |
|------------------------|--------|----------------------------------------------------------------------------|---------------------|--------|--------|------|-------|
| File No.               |        | Company <b>Haas Petroleum, LLC.</b>                                        |                     |        |        |      |       |
|                        |        | Well <b>East Lidikay No. 11-HP</b>                                         |                     |        |        |      |       |
|                        |        | Field <b>Paola / Rantoul</b>                                               |                     |        |        |      |       |
|                        |        | County <b>Franklin</b>                                                     | State <b>Kansas</b> |        |        |      |       |
| Location               |        | 1480 FSL 4 1335 FEL<br>2150 FSL & 4000 FEL<br>NE-SE-SW-NW<br>E 2 E 2 NW SE |                     |        |        |      |       |
| Sec. 4                 |        | Twp. 16S                                                                   | Rge. 21E            |        |        |      |       |
| Permanent Datum        |        | GL                                                                         | Elevation 1004'     |        |        |      |       |
| Log Measured From      |        | GL                                                                         |                     |        |        |      |       |
| Drilling Measured From |        | GL                                                                         |                     |        |        |      |       |
| Date                   |        | 03-30-2015                                                                 |                     |        |        |      |       |
| Run Number             |        | One                                                                        |                     |        |        |      |       |
| Depth Driller          |        | 752.0                                                                      |                     |        |        |      |       |
| Depth Logger           |        | 734.5                                                                      |                     |        |        |      |       |
| Bottom Logged Interval |        | 733.5                                                                      |                     |        |        |      |       |
| 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.          |        | 102                                                                        | Osawatomie          |        |        |      |       |
| Recorded By            |        | Gary Windisch                                                              |                     |        |        |      |       |
| Witnessed By           |        | John Haas                                                                  |                     |        |        |      |       |
| RUN                    |        | BORE-HOLE 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                                                                       | 752.0               | 2.875" | 6.5 #  | 0.0  | 740.0 |

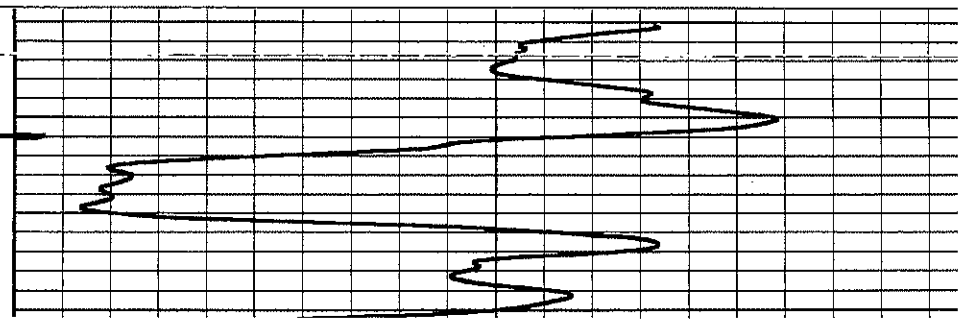
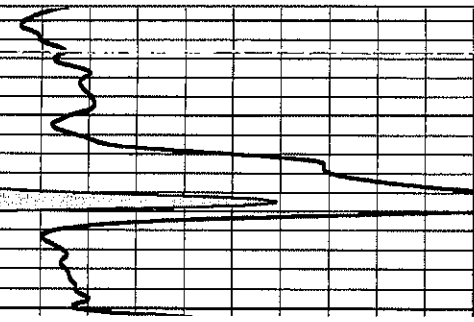
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

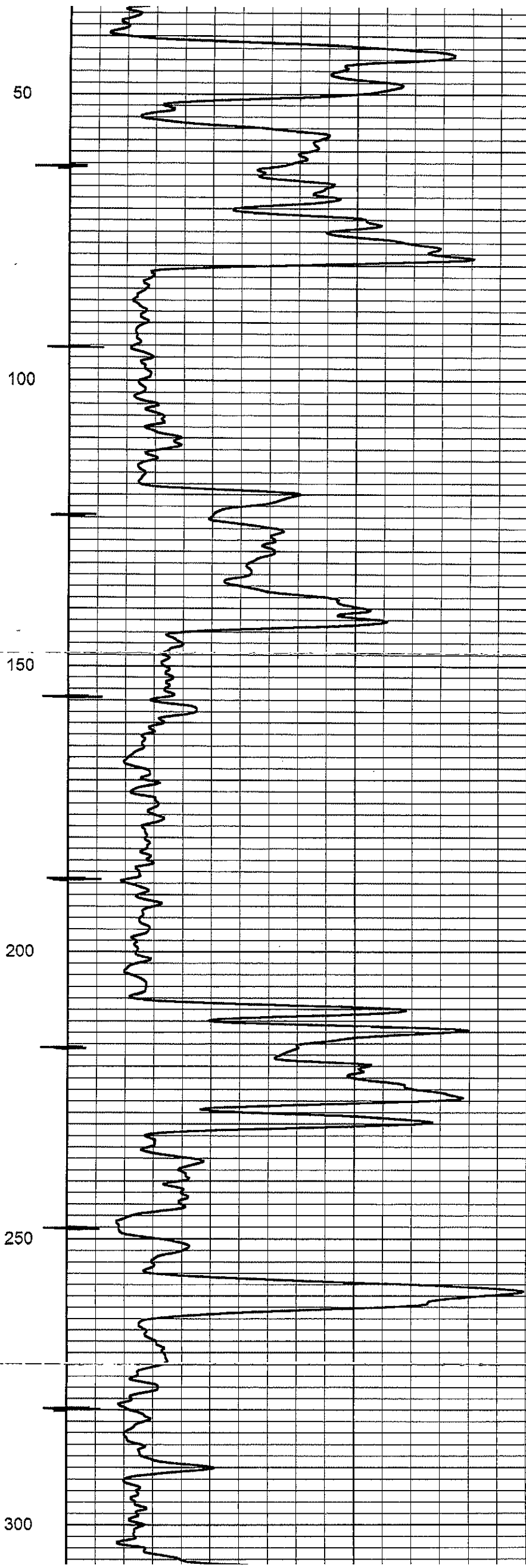
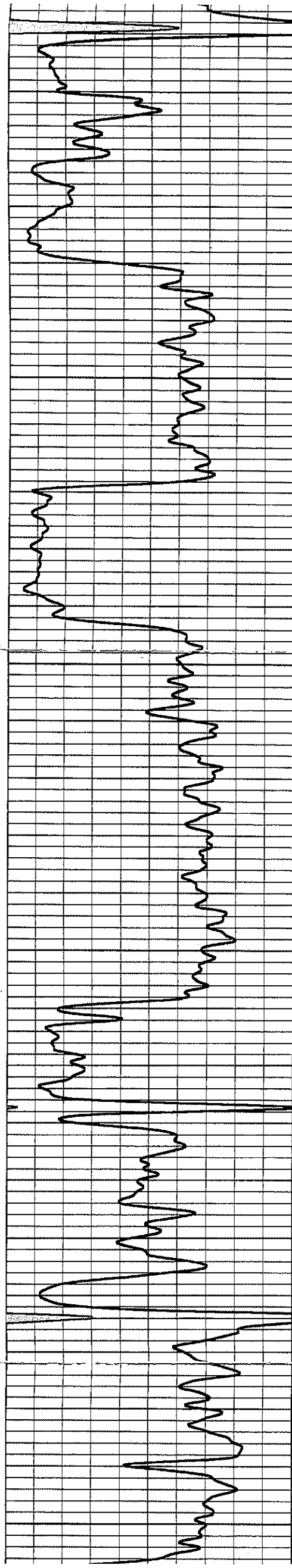
**Comments**

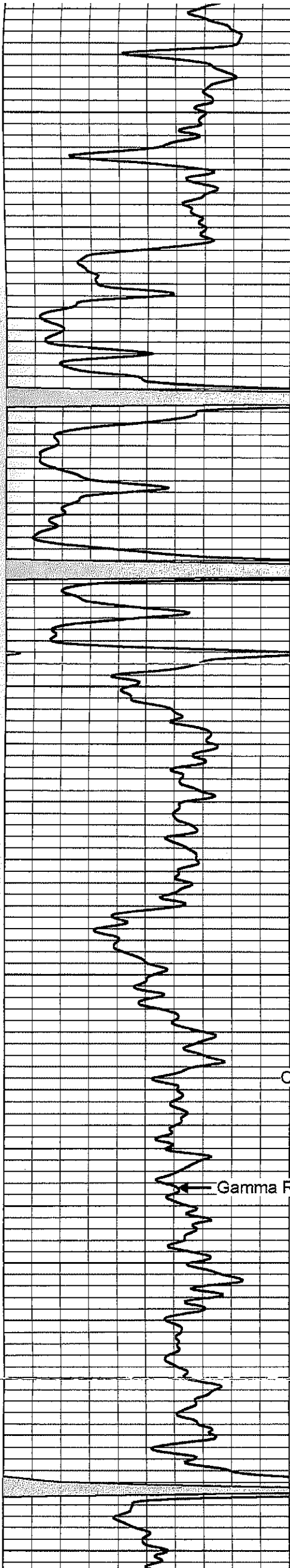
Drilling Contractor :  
Skyy Drilling, LLC.  
Rig #6

Database File: lidikay 11ihpe.db  
Dataset Pathname: pass1  
Presentation Format: gr-n-ccl  
Dataset Creation: Mon Mar 30 16:12:00 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 |          |     |               |     |







300

350

400

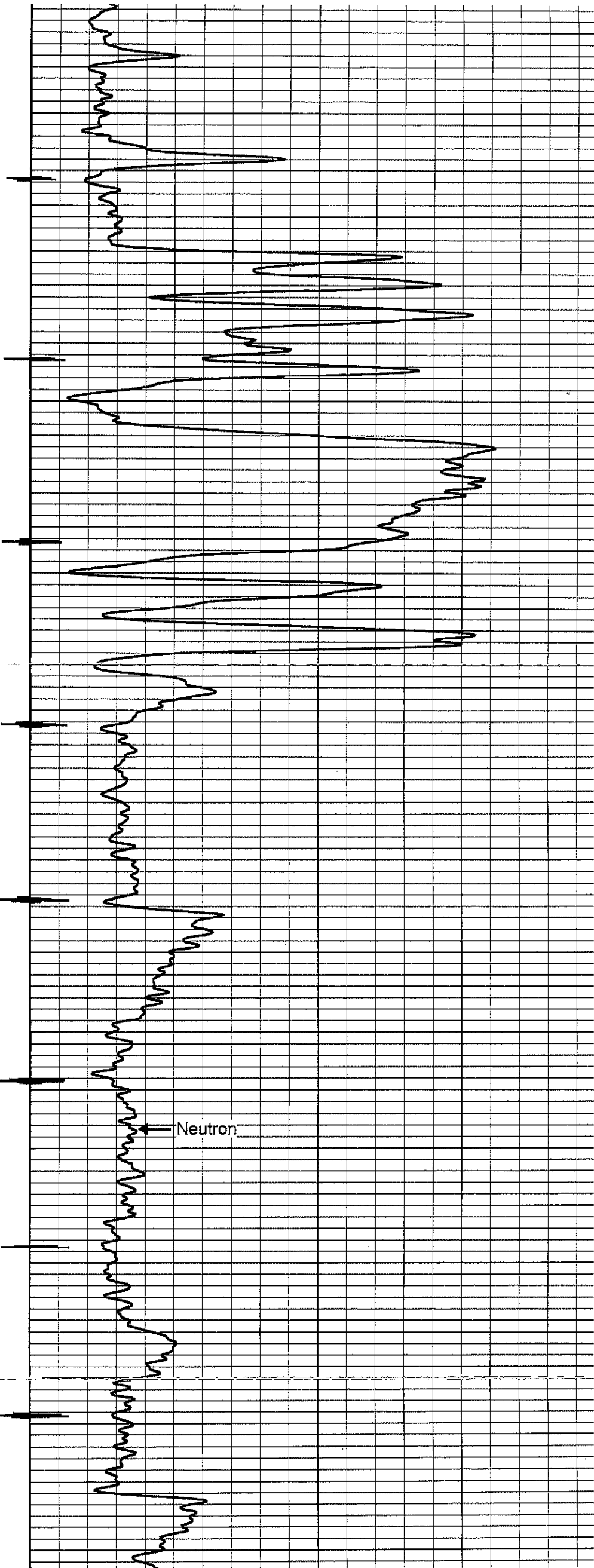
450

500

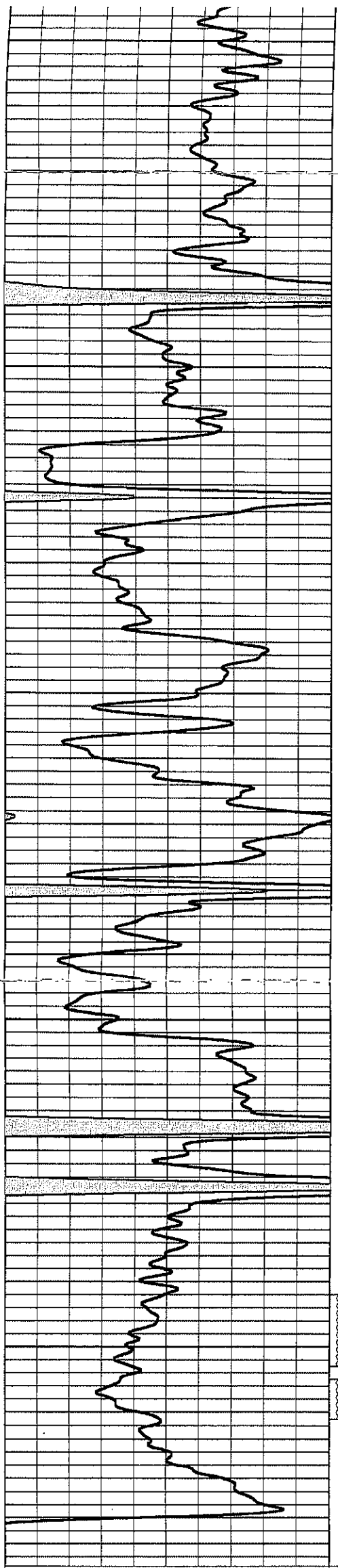
550

CCL

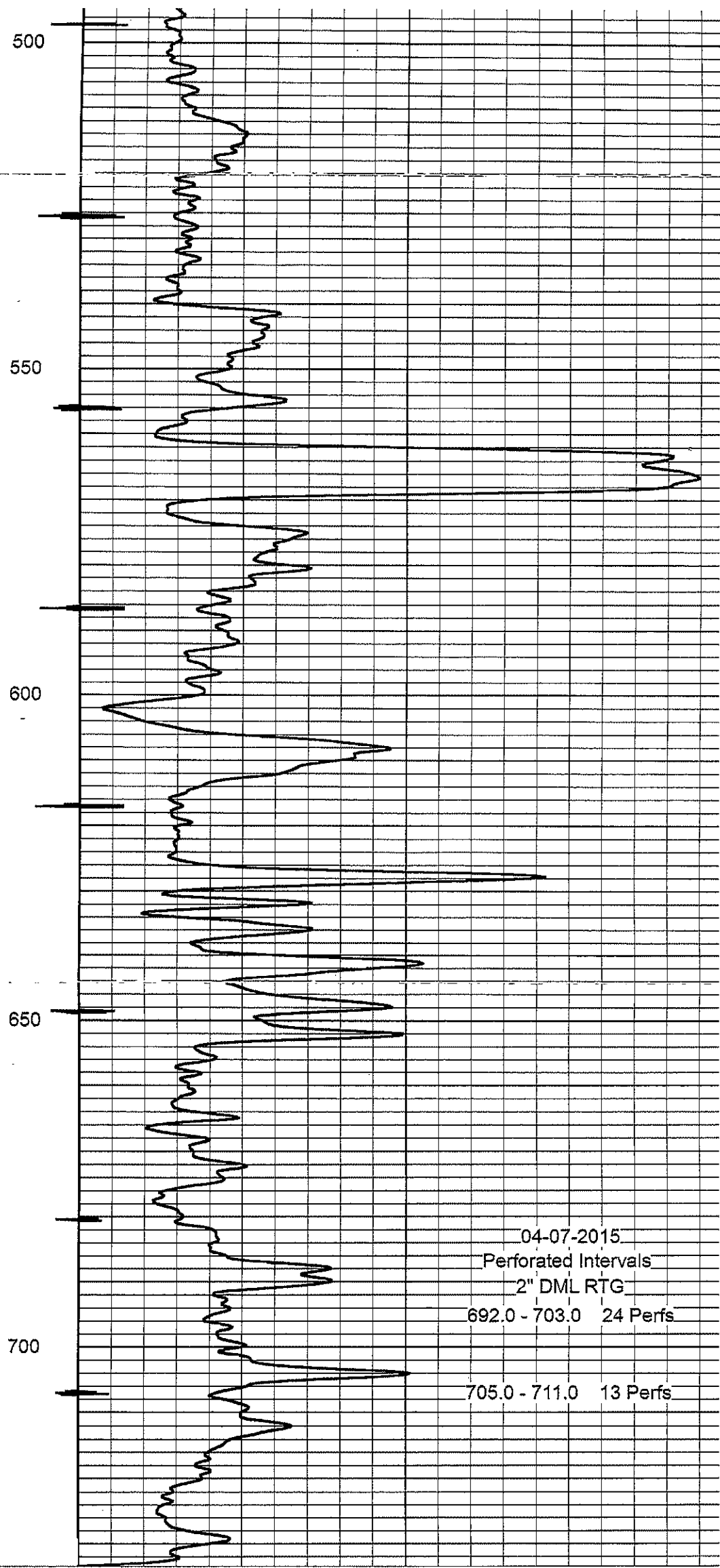
Gamma Ray



Neutron



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



-1 CCL 1  
100

Neutron (cps)

190

04-07-2015  
Perforated Intervals  
2" DML RTG  
692.0 - 703.0 24 Perfs  
705.0 - 711.0 13 Perfs