



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 66, OSAWATOMIE, KS 66064  
 913.755.2128

**GAMMA RAY / NEUTRON / CCL**

File No.

Company **RJ Enterprises**  
 Well **Patton No. 9-A**  
 Field **Centerville**  
 County **Anderson** State **Kansas**

Location **4519' FSL & 2848' FEL**  
**NE-SE-N-E-NW**

Sec. **22** Twp. **21s** Rge. **21e**  
 Permian Basin Log Measured From **GL** Drilling Measured From **GL**

Date **01-02-2014**  
 Run Number **One**  
 Depth Driller **788.0**  
 Depth Logger **780.5**  
 Bottom Logged Interval **779.5**  
 Top Log Interval **20.0**  
 Fluid Level **Fill**

Type Fluid **Water**  
 Density / Viscosity **NA**  
 Salinity - PPM Cl **NA**  
 Max Recorded Temp **NA**  
 Estimated Cement Top **0.0**

Equipment No. **102** Location **Osawatimie**  
 Recorded By **Gary Windisch**  
 Witnessed By **Jason Kent**

BORE-HOLE RECORD  
 RUN No. **BIT FROM TO** SIZE **WGT. FROM TO**

**One 9.875" 0.0 20.0 7.00" 17.0 # 0.0**  
**Two 5.625" 20.0 786.0 2.875" 6.5 # 0.0**

CASING RECORD  
 TO **20.0**  
 TO **780.5**

Other Services  
 Perforate

Elevation **KB NA**  
 D.F. **NA**  
 G.L. **NA**

Perforate

Perforate

Perforate

Perforate

Perforate

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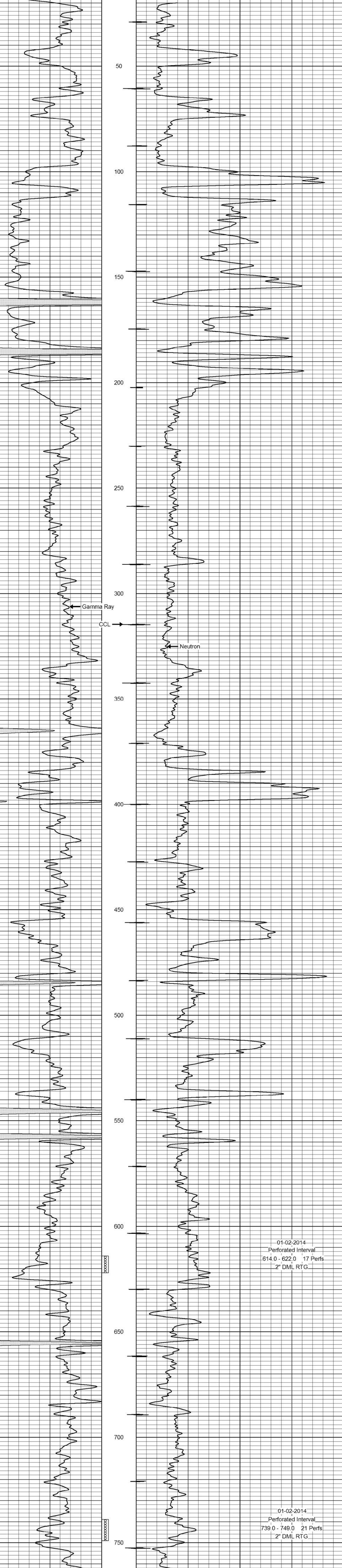
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Database File: **patton9a.db**  
 Dataset Pathname: **pass1**  
 Presentation Format: **gr-n-ccl**  
 Dataset Creation: **Thu Jan 02 09:42:34 2014 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



01-02-2014  
 Perforated Interval  
 614.0 - 622.0 17 Perfs  
 2" DML RTG

01-02-2014  
 Perforated Interval  
 739.0 - 749.0 21 Perfs  
 2" DML RTG

0 Gamma Ray (cps) 150  
 150 Gamma Ray (cps) 300  
 -1 CCL 1  
 100 Neutron (cps) 1900