



**MIDWEST SURVEYS**  
LOGGING - PERFORATING - CONSULTING SERVICES  
P.O. Box 65, Osawatomie, KS 66064  
913 / 755 - 2128

**GAMMA RAY / NEUTRON / CCL**

|  |   |  |  |  |
|--|---|--|--|--|
| API# 15-121-31,424                         | File No.                                    |  |  |  |
|  | Company JTC Oil, Inc.                       |  |  |  |
|  | Well Hayes No. P-4                          |  |  |  |
|  | Field Paola / Rantoul                       |  |  |  |
|  | County Miami State Kansas                   |  |  |  |
|  | Location 5115 FSL & 5115 FEL<br>NW-NW-NW-NW |  |  |  |
|  | Other Services Perforate                    |  |  |  |
|  | Sec. 29 Twp. 17s Rge. 22e                   |  |  |  |
|  | Permanent Datum GL Elevation 924'           |  |  |  |
|  | Log Measured From GL                        |  |  |  |
| Drilling Measured From GL                  |   |  |  |  |
| Date 05-23-2018                            |   |  |  |  |
| Run Number One                             |   |  |  |  |
| Depth Driller 800.0                        |   |  |  |  |
| Depth Logger 570.8                         |   |  |  |  |
| Bottom Logged Interval 569.8               |   |  |  |  |
| 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. 104                          |   |  |  |  |
| Location Osawatomie                        |   |  |  |  |
| Recorded By Gary Windisch                  |   |  |  |  |
| Witnessed By Tom Cain                      |   |  |  |  |
| 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" 20.0 600.0 2.875" 6.5 0.0 575.0 |   |  |  |  |

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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 :  
JTC Oil, Inc.

Database File: hayes 4p.db  
Dataset Pathname: pass1  
Presentation Format: gr-n-ccl  
Dataset Creation: Wed May 23 14:30:55 2018 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

