



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

**GAMMA RAY / NEUTRON / CCL**

File No. \_\_\_\_\_

Company **JV Oil, Inc.**

Well **Fredline "A" No. 4-H**

Field **Altoona**

County **Wilson**

State **Kansas**

Location **500' FNL & 3170' FWL**

Other Services **Perforate**

Sec. **20** Twp. **28S** Rge. **17E** Elevation **914'**

Perforation Datum **GL** KB NA

Log Measured From **GL** DF NA

Drilling Measured From **GL** GL 914'

Date **05-11-2018**

Run Number **One**

Depth Driller **1000.0**

Depth Logger **976.8**

Bottom Logged Interval **975.8**

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**

BORE-HOLE RECORD		CASING RECORD	
Run	Whipped By	TO	FROM
One	12.00"	20.0	8.825"
Two	5.875"	20.0	2.875"
			6.5
			0.0
			20.0
			981.0

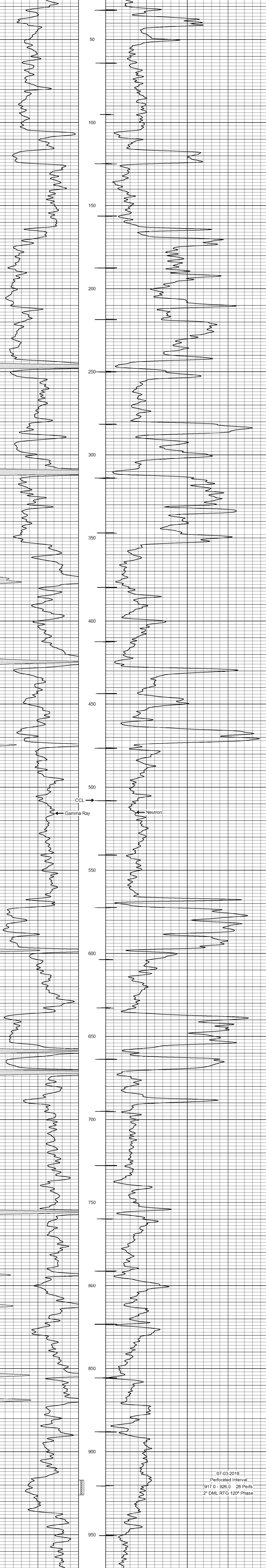
<<< Fold Here >>>

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 :  
**JV Oil, LLC.**

Database File: friedline a 4h.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Mon Jun 11 09:57:16 2018 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240



07-03-2018  
 Perforated Interval  
 917.0 - 926.0 28 Perfs  
 2" DML RTG 120° Phase