



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 686, Osawatomie, KS 66064  
 913.755.2128

**GAMMA RAY / NEUTRON / CCL**

File No.

Company: Miller Energy, LLC.  
 Well: Branton No. 17-1  
 Field: Garnett Shoestring  
 County: Anderson State: Kansas

Location: 2673' FSL & 1402' FEL  
 SE-SE-SW-NE

Other Services: Perforate

Sec 21 Twp 20S Rge 20E  
 Permian/Datum: GL  
 Log Measured From: GL  
 Drilling Measured From: GL

Date: 08-31-2015  
 Run Number: One  
 Depth Driller: 790.0  
 Depth Logger: 784.5  
 Bottom Logged Interval: 733.5  
 Top Log Interval: 20.0  
 Fluid Level: Full

Elevation: 1004'  
 KB NA  
 DJF NA  
 G.L. 1004'

Type Fluid: Water  
 Density / Viscosity: NA  
 Salinity - PPM Cl: NA  
 Max Recorded Temp: NA  
 Estimated Cement Top: 0.0  
 Equipment No.: 102  
 Location: Osawatimie  
 Witnessed By: Gary Wandsch  
 Tom Miller

BORE-HOLE RECORD				CASING RECORD			
RUN No.	BIT FROM	TO	SIZE	WGT.	FROM	TO	
One	9.875"	20.0	7.00"	17.0 #	0.0	20.0	
Two	5.625"	20.0	7.93.0	2.875"	6.5 #	0.0	784.5

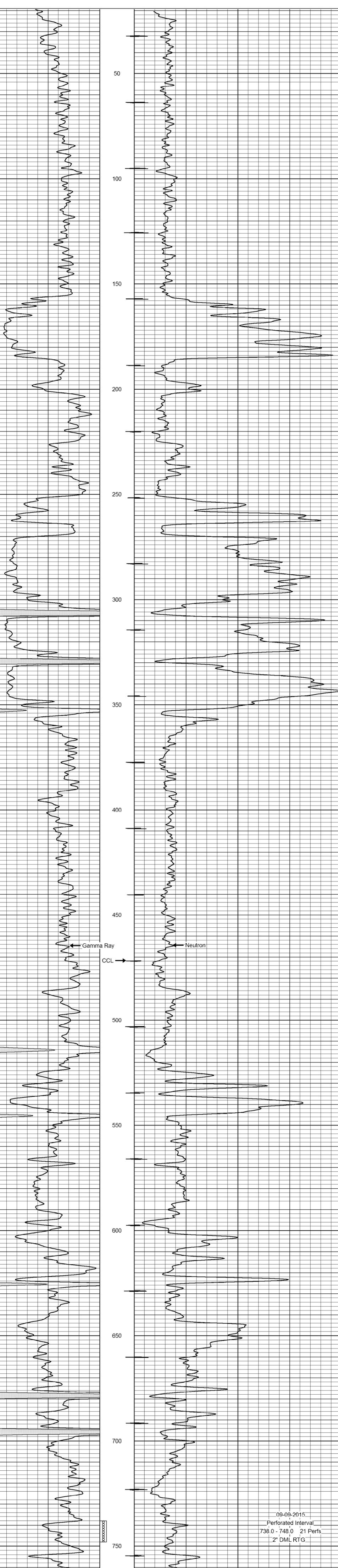
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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: branton 17i.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Mon Aug 31 15:25:00 2015 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240



09-09-2015  
 Perforated Interval  
 738.0 - 748.0 21 Perfs  
 2" DML RTG.

