



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P. O. Box 68, Osawatomie, KS 68064  
 913.755.2128

**GAMMA RAY / NEUTRON / CCL**

File No: Company: **Colt Energy, Inc.**  
 Well: **Schafer No. CS-12**  
 County: **Woodson** State: **Kansas**

Location: **2805 FSL & 1155 FEL**  
 Other Services: **Perforate**  
 Sec. 22 Twp. 28S Rge. 14E Elevation: **941'**  
 Permanent Datum: **GL**  
 Log Measured From: **GL**  
 Drilling Measured From: **GL**  
 Date: **03-14-2016**

Run Number: **One**  
 Depth Driller: **1416.0**  
 Depth Logger: **1387.0**  
 Bottom Logged Interval: **1386.0**  
 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.	107
Location	Osawatomie
Recorded By	Steve Windisch
Witnessed By	John Armerman

BOREHOLE RECORD	SIZE	WTG	FROM	TO
One	12.25"	8.255	41.50	41.50
Two	6.75"	4.557	41.50	1326.0

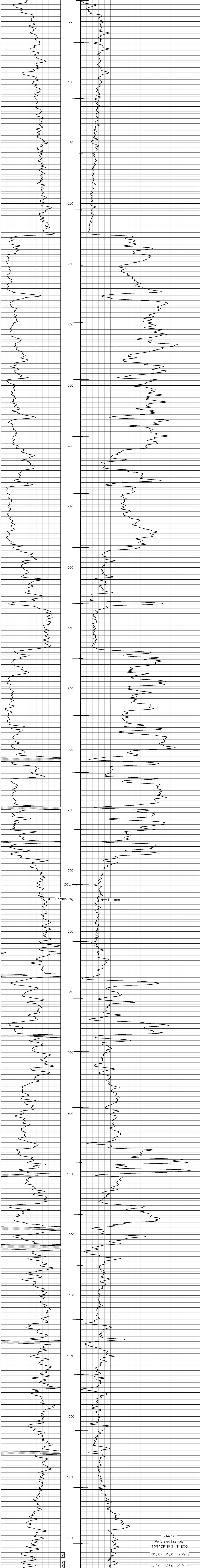
CASINGS RECORD	WTG	FROM	TO
One	24.0"	0.0	41.50
Two	10.5"	0.0	1326.0

<<< 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 :  
**Bar Drilling, LLC**

Database File: **schafer 12-cs.db**  
 Dataset Pathname: **pass1**  
 Presentation Format: **gr-n-ccl**  
 Dataset Creation: **Mon Mar 14 09:46:30 2016** by Log SCH 111116  
 Charted by: **Depth in Feet scaled 1:240**



03-14-2016  
 Perforated Intervals:  
 3 3/8" DP 19 Gr. T. ECG  
 1312.0 - 1316.0 17 Perfs  
 1319.0 - 1326.0 29 Perfs

0 Gamma Ray (cps) 150  
 150 Gamma Ray (cps) 300  
 -1 CCL 1  
 10 Neutron (cps) 2100