API# 15-111-20,462

MIDWEST SURVEYS
P.O. Box 41 Benedict, Kansas 66714
785-698-2249
WC - 785-639-1694

File No.

GAMMA RAY / NEUTRON - CCL

Well Name: Rosebush No. - 19
Field: Brookfield
Location: 1,320' FSL & 660' FEL Sec. 24 Twp. 22S Rge. 12E
County: Coffey
State: Kansas

Permanent Datum: Ground Level
Elev.: 1,120 K.B. 1,125 D.F. 1,120 G.L.
Log Measured From: K.B. 5 Ft. Above Perm. Datum
Drilling Measured From: K.B.
Date: 10-2-14
Run No.: One
Depth-Driller: 2,100
Depth-Logger: 2,100
Bottom Logged Interval: 2,100
Top Logged Interval: Surface
Type Fluid in Hole: Water
Salinity, PPM Cl: Unknown
Density: 8.4
Level: Full
Max. Rec. Temp. Deg. F: 70
Equipment Number: 1
Location: Iola
Recorded By: Jay Schmeidler
Witnessed By: Charles Lo

Run No. | Bit No. | From | To | Size | Wgt. | Fluid | Visc. | pH | Fluid Loss
One | 1 | Surface | 2,100 | 5 7/8" | | Water | | | |

Casing Record: Surface: Size 8 5/8" Wgt. 20# Depth 21' Cement Type Portland Sacks 5 Additives —; Production: Size 4 1/2" Wgt. 9.5# Depth 2,100' Cement Type 60/40 Poz Sacks 200 Additives 2% Gel

Rig Name: Gulick Drilling, Inc

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 to the extent of gross or wilful 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.

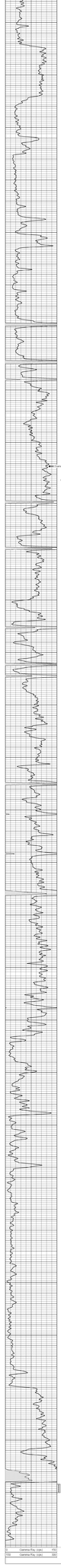
Comments

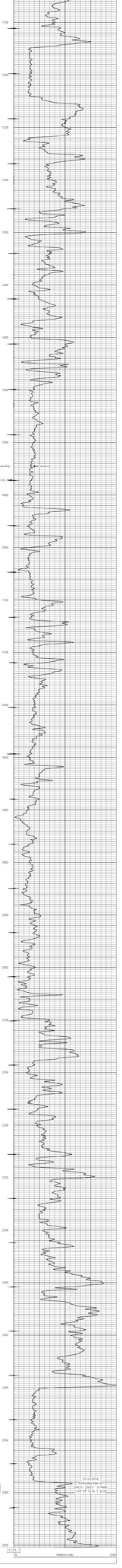
Drilling Contractor:
Gulick Drilling, Inc

Database File: madden10.db
Dataset Pathname: pass1
Presentation Format: gr-ccl
Dataset Creation: Fri Oct 10 10:01:46 2014 by Log SCH 111110
Charles Lo
Depth in Feet scaled 1:240

0 Gamma Ray (clay) 150
1000 Gamma Ray (clay) 1000

-1 CCL 1
150 Neutron (cps) 2150





I certify that this
Log is a true and
correct copy of the
original.