

ROBERT E. O'DELL

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Cobalt Energy, LLC.
LEASE Kreutzer Unit 'A' #1-10
FIELD Willicat
LOCATION 866' FSL & 2570' FWL
SEC 10 **TWSP** 12S **RGE** 19W
COUNTY Ellis **STATE** Kansas
CONTRACTOR Muffin Drilling Rig #16
SPUD 8-21-2015 **COMP** 8-27-2015
RTD 3900' **LTD** 3899'
MUD UP 2900' **TYPE MUD** Chemical
SAMPLES SAVED FROM 3100' TO RTD
DRILLING TIME KEPT FROM 3100' TO RTD
SAMPLES EXAMINED FROM 3100' TO RTD
GEOLOGICAL SUPERVISION FROM 3140' to RTD
GEOLOGIST ON WELL Bob O'Dell

ELEVATIONS
KB 2224'
DF _____
GL 2219'

Measurements Are All From KB

CASING
CONDUCTOR _____
SURFACE 8-5/8" set @ 219'
PRODUCTION None

ELECTRICAL SURVEYS
Radiation Guard w/cal

FORMATION TOPS **ELECTRIC LOG** **SAMPLE**
Anhydrite 1530 (+ 694) 1541 (+ 683)
Topeka 3229 (- 1005) 3233 (- 1009)
Heebner 3457 (- 1233) 3461 (- 1237)
Lansing 3497 (- 1273) 3499 (- 1275)
BKC 3739 (- 1515) 3739 (- 1515)
Arbuckle 3839 (- 1615) 3828 (- 1604)
Total Depth 3899 (- 1615) 3900 (- 1616)

AP# 15-051-26-799

REMARKS Due to the negative drillstem tests taken in the Lansing-Kansas City and lack of shows in other zones, decision was made to plug and abandon the Kreutzer Unit 'A' #1-10 at 3900' RTD.

Respectfully submitted,

Bob O'Dell
 8/27/2015

