

Robert L. Milford
PETROLEUM GEOLOGIST
Wichita, Kansas

GEOLOGISTS' REPORT					
DRILLING TIME AND SAMPLE LOG					
OPERATOR	Cobolt Energy, LLC				
LEASE	Craig 'A' #1-27				
LOC SPOT	120 S & 130 E of C N2 SE				
SEC	27	TWP	18S	RNG	24W
COUNTY	Neosho				
STATE	Kansas				
KB	2,288'				
GL	2,283'				
CONTRACTOR	Murfitt Drilling Co., Inc.				
DRILLING STARTED	3/28/2013				
MUD DISPLACED	3,200'				
DRILLING TIME KEPT FROM	3,200'				
SAMPLES SAVED FROM	3,300'				
GEOLOGICAL SUPERVISION FROM	3,217'				
NAME	TOP	LOG	DATUM	SAMPLE	DATUM
Stone Corral	1,553'	+735	1,552'	+736	
Topeka	3,368'	-1080	3,368'	-1080	
Heebner	3,671'	-1383	3,671'	-1383	
Lansing	3,714'	-1426	3,714'	-1426	
B/KC	4,009'	-1721	4,008'	-1720	
Pawnee	4,132'	-1844	4,132'	-1844	
Fort Scott	4,209'	-1921	4,209'	-1921	
Cherokee	4,235'	-1947	4,235'	-1947	
Mississippi	4,299'	-2011	4,299'	-2012	
Total Mississippi	4,402'	-2114	4,400'	-2112	

DATE	7:00 AM DEPTH	REMARKS
2-28-13	0'	Spud @ 3:45 pm. Plug down @ 9:00 pm. Drilled out plug @ 5:00 am on 3-1-13
3-1-13	350'	Cut 350' in last 24 hrs. Dev: 0.5% @ 2255'
3-2-13	2,320'	Cut 1,970' in last 24 hrs; 20.75 hrs drilg. Lost circ @ 2980' (dwn 0.75 hr)
3-3-13	3,150'	Cut 830' in last 24 hrs; 20.25 hrs drilg.
3-4-13	3,840'	Cut 690' in last 24 hrs; 21.75 hrs drilg.
3-5-13	4,234'	Cut 394' in last 24 hrs; 19.25 hrs drilg. DST #1 @ 4234', DST #2 @ 4315'
3-6-13	4,315'	Cut 81' in last 24 hrs; 4.75 hrs drilg. RTD 4400' @ 9:00 pm
3-7-13	4,400'	Cut 85' in last 24 hrs; 4.75 hrs drilg. Ran production casing

