Robert A. Milford
Petroleum Geologist

GEOLOGICAL REPORT

Operator: Martin Exploration Management Company, Inc.
Well Name: Martin Exploration Co. Inc. Ferguson #1
Location: 330' FSL & 330' FWL Sec. 7 T 8S R24E
Elevation: 2,267' KB, 2,254' GL
Contractor: Beck Drilling Co. Rig #1
Spud Date: 2-12-14
Completion Date: 2-24-14
Total Depth: 3,300'
Drilling Time: 2-12-14 to 2-24-14
Casing Program: 8 5/8" @ 270'
Mud Program: Fresh Water Gel
Drill Stem Tests: None
Samples: 3,000' to 3,300'
Electric Log: Triple Combo
Formation Tops: Topeka, Heebner, Lansing, Kansas City, Marmaton, Cherokee, Mississippian
Status: Dry & Abandoned

DATE	7:00 AM DEPTH	REMARKS
2-12-14	0	Spud @ 9:00 pm. Plug down @ 11:30 pm. Circ 7' @ 270'
2-13-14	300	Cut 300'. Drill out 7 hrs. Drilled and plug @ 7:45 am w/ TSC hr
2-14-14	1,040	Cut 2,740'. Drill 17 hrs. 23.5 hrs dry, 30 min @ 2018' (no surface loss)
2-15-14	1,570	Cut 730'. Drill 24 hrs. 23.5 hrs dry, 30 min WL@ 1430'
2-16-14	2,000	Cut 430'. Drill 24 hrs. 23.5 hrs dry, 30 min WL@ 1900'
2-17-14	2,224	Cut 224'. Drill 24 hrs. 4.75 hrs dry, 20 min WL@ 2100'
2-18-14	2,450	Cut 226'. Drill 24 hrs. 4.75 hrs dry, 20 min WL@ 2400'
2-19-14	2,700	Cut 250'. Drill 24 hrs. 4.75 hrs dry, 20 min WL@ 2600'. DST#1 @ 2450'
2-20-14	2,850	Cut 150'. Drill 24 hrs. 4.75 hrs dry, 20 min WL@ 2800'. DST#2 @ 2800'
2-21-14	2,970	Cut 120'. Drill 24 hrs. 8.25 hrs dry, 30 min WL@ 2900'
2-22-14	3,150	Cut 180'. Drill 24 hrs. 8.25 hrs dry, 30 min WL@ 3100'
2-23-14	3,260	Cut 110'. Drill 24 hrs. 10.25 hrs dry, 45 min WL@ 3200'

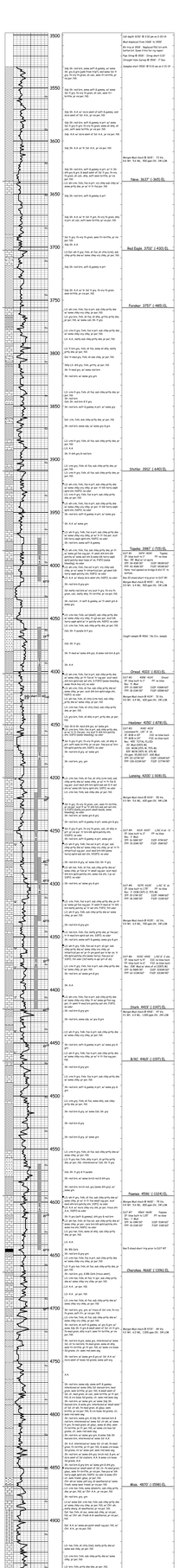
Remarks

The electric log measurements correlate from 1' higher to 2' lower to the drilling measurements.

Formation tops and lithology on this report have been corrected to the electric log.

The drilling samples were deposited at the Kansas Geological Survey office in Wichita.

Respectfully submitted,

Robert A. Milford

Drill Stem Test Charts