

# Robert L. Milford

PETROLEUM GEOLOGIST  
Wichita, Kansas

## GEOLOGISTS' REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR Eagle Creek Corporation

LEASE Johnson-Rapier #1-24

LOC. SPOT 51 S & 124 E of E2 NE SW

LOC. FOOTAGE 1 929' FSL & 2 846' FEL

SEC. 24 TWPSP 20S RANG 35W

COUNTY Wichita STATE Kansas

API 15-203-20320-00-00

CONTRACTOR W/M/Drilling, LLC

DRILLING STARTED 7-10-2017 COMPLETED 7-17-2017

MUD DISPLAYED 3.438 MUD TYPE Chemical

DRILLING TIME KEPT FROM 3.700 TO RTD

SAMPLES SAVED FROM 3.900 TO RTD

SAMPLES EXAMINED FROM 3.900 TO RTD

GEOLOGICAL SUPERVISION FROM 3.900 TO RTD

ELEVATIONS  
KB 3 146'  
GL 3 141'

MEASUREMENTS  
CASING RECORD  
Conductor

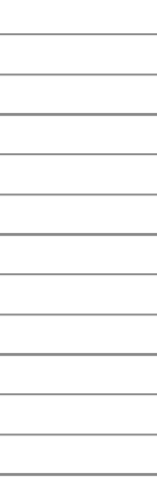
Surface 8.5/8" @ 220'  
w/ 165 sacks cement  
Production 5.1/2" @ 4698'  
w/ 550 sacks cement

ELECTRICAL SURVEYS  
ELI Wireline  
Dip Induction Log  
Compressed Density

FORMATION NAME TOP DATUM SAMPLE DATUM

Base Stone Corral 2.285' -861' 2.286' +860'  
Hebner 3.970' -824' 3.969' -823'  
Lansing 4.014' -868' 4.013' -867'  
Stark 4.329' -1183' 4.328' -1182'  
B/KC 4.476' -1330' 4.474' -1328'  
Marmaton 4.507' -1361' 4.505' -1359'  
Fort Scott 4.589' -1443' 4.587' -1441'  
Cherokee 4.612' -1466' 4.610' -1464'  
Total Depth 4.632' -1486' 4.630' -1484'  
4.702' -1556' 4.700' -1554'

Neutron Log  
Micro Log



DATE	7:00 AM DEPTH	REMARKS
7-10-17	0'	Spud @ 4:45 pm. Plug down @ 8:30 pm. Drilled out plug @ 5:00 am on 7-11-17
7-11-17	340'	Cut 340' in last 24 hrs.
7-12-17	2,400'	Cut 2,060' in last 24 hrs; 22 hrs drlg.
7-13-17	3,250'	Cut 850' in last 24 hrs; 22,25 hrs drlg.
7-14-17	3,845'	Cut 595' in last 24 hrs; 22 hrs drlg. Ran 38 stand wiper trip @ 3900'
7-15-17	4,230'	Cut 385' in last 24 hrs; 19,25 hrs drlg.
7-16-17	4,578'	Cut 348' in last 24 hrs; 22,25 hrs drlg. DST #1 @ 4603'. DST #2 @ 4619'
7-17-17	4,619'	Cut 41' in last 24 hrs; 3,25 hrs drlg. RTD 4700' @ 11:11 pm
7-18-17	4,700'	Cut 81' in last 24 hrs; 6,25 hrs drlg. Ran production casing.

**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 L. Milford

