

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

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| COMPANY VESS OIL CORPORATION LEASE KOOGLER 'A' #302 FIELD EL DORADO LOCATION 330' FSL 500' FEL SECTION 20 TOWNSHIP 26S RANGE 05E COUNTY BUTLER STATE KANSAS | | ELEVATIONS KB 1312' GL 1306' Measurements Are All From KB API 15-015-23970 |
| CONTRACTOR C&G Drilling, Rig #1 SPUD 04/29/2013 COMP 05/04/2013 RTD 2584' (-1272) LTD --- ELECTRICAL SURVEYS No Open Hole E-logs Dynalog: Cased Hole log | | CASING SURFACE 6 Jts 8-5/8" 2387ft @ 264' KB w/150 sx Class A on btm 1": 40 sx on top PRODUCTION 61 Jts 5-1/2" 15.58ft/ft set @ 2581' w/125 sx Thicketset. |

| FORMATION TOPS | LOG | SAMPLES | CHRONOLOGY |
|------------------|--------------|---------|---|
| | | | 04/29/2013: MRR C&G Drilling, Rig #1. Drill hole @ 12:30 AM. SPUD 12:14 hole @ 2 PM. Lost circulation @ 40'. Lots of huffs to get partial returns to finish surface hole. TD 12:14 hole @ 265' @ 2:30 AM. Set 259' 6" 2 3/8" LS casing set @ 264' KB. CONSOLIDATED: 150 sx Class A. |
| Lansing | 1726' (414) | | 05/01/2013: Drg @ 1740'. Mud up @ 1700'. 1917' MW 9.1, VIS 33, WL 11.4, LCM 5 |
| Kansas City | 2036' (724) | | 05/02/2013: Drg @ 2230. MW 9.3, VIS 36, LCM 1# Bit Trip @ 1926'. PDC out button bit in. 2311' MW 9.1, VIS 37, WL 10.6, LCM 5 |
| Stark SH | 2139' (827) | | 05/03/2013: Circ @ 2572'. MW 9.4, VIS 35, WL 9.4, LCM 1# 1 PM short trip for DST #1. |
| Base/Kansas City | 2209' (893) | | 05/04/2013: TD 2584'. Ran DST #2. |
| Chekerboard | 2271' (959) | | CASING JOB: Ran 61 Jts of 5 1/2" 15.58#/ft J-55 LT&C Casing, set @ 2581'. Put on 6 centralizers & 11 basket. Circ mud for 20 min. Set packer shoe @ 1275#. Circ mud 20 min. Consolidated Services pump 500 gal Mud Flush. Cemented w/125 sx Thicketset. Caught pressure @ 34.5 psi. Good core of mud. Lift pressure to 500#. Land plug @ 10:45 PM. If seeped some, left 250# on pipe. Set slips @ cut off casing. Run AM 5 @ Rathole. |
| Hepler Sd | NP | | |
| Allamont | 2326' (1014) | | |
| Cherokee SH | 2402' (1090) | | |
| Ardmore | 2476' (1164) | | |
| Viola | 2579' (1267) | | |
| LTD/RTD | 2584' (1272) | | |

REMARKS:

Respectfully submitted
Roger L. Martin, Geologist (Walliste)

| LITH | PROSODY | DRILLING TIME MIN/FT | DST | SAMPLE DESCRIPTION | REMARKS |
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