ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-0370

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY MTM OIL CORPORATION

LEASE WILSON "A" #4R

FIELD EL DORADO

LOCATION 330' FNL 2230' FWL

SECTION 7 TOWNSHIP 25S RANGE 05E

COUNTY BUTLER STATE KANSAS

CONTRACTOR EMC DRILLING, Rig #1

SPUD 04/12/2013 COMP 04/17/2013

API# 15-07-1-03153-0000 ELEV. 1332' G.L. 1340'

ELECTRICAL SURVEYS

Pioneer Energy Services

DUAL IND, CNL

ELEVATIONS

KB 1377 ft. GL 1340'

Measurements Are All

From KB

API 15-015-23969

CASING

SURFACE 8.25 @ 247' CMTD

with 85 sks Class A 2% Gel, 3% CC

PRODUCTION 4½ @ 3,472' CMTD

with 200 sks AA2 w/ 2% Gel

FORMATION TOPS	LOG	SAMPLES
Stone Corral	447	447
Chase Group	1,660	1,660
Council Grove	1,870	1,870
Admire	2,012	2,012
Wabaunsee	2,317	2,317
Stotler	2,512	2,512
Tarkio	2,612	2,612
Howard	2,777	2,777
Topeka	2,912	2,912
Heebner	3,167	3,167
Toronto	3,187	3,187
Lansing	3,207	3,207
Muncie Creek	3,367	3,367
Stark Shale	3,447	3,447
Hushpuckney	3,482	3,482
Base Kansas City	3,512	3,512
Marmaton	3,527	3,527
Altamont	3,547	3,547
Pawnee	3,617	3,617
Myrick Station	3,647	3,647
Fort Scott	3,667	3,667
Cherokee	3,697	3,697
Mississippian	3,767	3,767
RTD	3,800	3,800
LTD	3,800	3,800

CHRONOLOGY

4/12/13 - MIRU. Spud @ 1:30 PM. Drill 12¼" hole to 250'. Run 6 jts 8.25 23# surface casing. Tally 247.35'. Set @ 247'. Cement with 85 sks Class A 2% Gel, 3% CC. Plug down @ 6:30 PM. Circulate 5 bbls to pit. WOC.

4/13/13 - Drill plug @ 7:00 AM. Drill 7⅞" hole to 1,660'. Drill stem test #1 (Chase). Drill 7⅞" hole to 2,317'. Drill stem test #2 (Wabaunsee). Drill 7⅞" hole to 3,800' RTD. Log well. Run 4½ production casing. Tally 3,472'. Set @ 3,472'. Cement with 200 sks AA2 w/ 2% Gel. Plug down @ 4:30 AM. Release rig.

REMARKS: ** Structural Relationship Analysis ***

Drawn/Prepared by:
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