



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544-0157  
 (800) 542-7313

TIME ON: 7:35 PM  
 TIME OFF: 3:08 AM

**DRILL-STEM TEST TICKET**

FILE: Kachelman 4 Jst 1

Company Knighton Oil Company, Inc Lease & Well No. Kachelman #4  
 Contractor Duke #1 Charge to Knighton Oil Company, Inc  
 Elevation KB 1974 Formation Dredm Effective Pay \_\_\_\_\_ Ft. Ticket No. K171  
 Date 9-12-14 Sec. 11 Twp. 25 S Range 14 W County Stafford State KANSAS  
 Test Approved By \_\_\_\_\_ Diamond Representative JASON McLEMORE

Formation Test No. 1 Interval Tested from 3807 ft. to 3827 ft. Total Depth 3927 ft.  
 Packer Depth 3802 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3807 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3793 ft. Recorder Number 5513 Cap. 5,000 P.S.I.  
 Bottom Recorder Depth (Outside) 3794 ft. Recorder Number 5588 Cap. 6,000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 61 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 3775 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 6 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong, BOB in 4 min. No Blowback

2nd Open: Strong, BOB on open. No Blowback

Recovered 30 ft. of VSOEM, 1% Oil, 99% Mud

Recovered 30 ft. of Total Fluid

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of 750' Coas In Pipe

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 10:04 PM A.M. P.M. Time Started Off Bottom 1:04 AM A.M. P.M. Maximum Temperature 109

Initial Hydrostatic Pressure..... (A) 1848 P.S.I.

Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 740 P.S.I.

Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 20 P.S.I.

Final Closed In Period..... Minutes 60 (G) 704 P.S.I.

Final Hydrostatic Pressure..... (H) 1836 P.S.I.

Diamond Testing, LLC shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



JASON MCLEMORE

CELL # 620-617-0527

General Information

<b>Company Name</b>	Knighton Oil Company, Inc	<b>Job Number</b>	K171
<b>Contact</b>	David Montague	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Kachelman #4	<b>Well Operator</b>	Knighton Oil Company, Inc
<b>Unique Well ID</b>	DST #1 Drum 3807-3827	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	11-25s-14w-Stafford	<b>Qualified By</b>	David Montague
<b>Field</b>	Albano West	<b>Test Unit</b>	6
<b>Well Type</b>	Vertical		

Test Information

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Drum	<b>Well Operator</b>	Knighton Oil Company, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2014/09/13
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2014/09/12	<b>Start Test Time</b>	19:35:00
<b>Final Test Date</b>	2014/09/13	<b>Final Test Time</b>	03:08:00

Test Results

RECOVERED:

30	VSOCM, 1% Oil, 99% Mud
30	TOTAL FLUID

Knighton Oil Company, Inc  
 DST #1 Drum 3807-3827  
 Start Test Date: 2014/09/12  
 Final Test Date: 2014/09/13

# Kachelman #4

Kachelman #4  
 Formation: Drum  
 Pool: Wildcat  
 Job Number: K171

