



Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W219
Contact		Limited 2-31 DST 2	Representative	Wilbur Steinbeck
Well Name		DST 2 L/KC I-J 3845-3895	Well Operator	LD 1
Unique Well ID		31-14s-29w Gove/Kans	Report Date	2015/11/16
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional
Formation	L/KC I-J
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test

Start Test Date	2015/11/16	Start Test Time	09:15:00
Final Test Date	2015/11/16	Final Test Time	16:39:00

Test Recovery

Recovery 65' Gassy Free Oil
 90' WMCO 5%W 20%M 75%O
 125' GOMCW 15%G 15%O 25%M 45%W
 280' Total Fluid
 600' GIP
Tool Sample=GMOCW 10%G 25%M 30%O 35%W

Corrected Gravity=33.2

RW=52



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Limited 2-31 DST 2

TIME ON: 9:15
TIME OFF: 16:39

Company LD Drilling Lease & Well No. Limited 2-31
Contractor LD Charge to LD
Elevation 2619 KB Formation L/KC I-J Effective Pay _____ Ft. Ticket No. W219
Date 11-16-15 Sec. 31 Twp. 14 S Range 29 W County Gove State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 3845 ft. to 3895 ft. Total Depth 3895 ft.
Packer Depth 3831 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3845 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3831 ft. Recorder Number 5965 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3846 ft. Recorder Number 5587 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 58 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 7.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1500 P.P.M. Drill Pipe Length 3817 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 7 Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 50 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: BOB in 8 min Built to 1 1/2"
2nd Open: BOB in 10 min Built to 5 1/2"

Recovered 65 ft. of Gassy Free Oil
Recovered 90 ft. of WMCO 5%W 20%M 75%O
Recovered 125 ft. of GOMCW 15%G 15%O 25%M 45%W
Recovered 280 ft. of Total Fluid

Recovered <u>600</u> ft. of <u>GIP</u>	<u>65 Miles RT</u>	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>Tool Sample=GMOCW 10%G 25%M 30%O 35%W</u>		Insurance
<u>Corrected Gravity=33.2</u>		
<u>RW=52,000</u>		Total

Time Set Packer(s) 11:20 A.M. P.M. Time Started Off Bottom 14:20 A.M. P.M. Maximum Temperature 124
Initial Hydrostatic Pressure..... (A) 1815 P.S.I.
Initial Flow Period..... Minutes 30 (B) 20 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1006 P.S.I.
Final Flow Period..... Minutes 45 (E) 80 P.S.I. to (F) 129 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1003 P.S.I.
Final Hydrostatic Pressure..... (H) 1798 P.S.I.

Diamond Testing 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.

Limited 2-31 DST 2

