



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: 4-31DRRLDST2

TIME ON: 0900  
TIME OFF: 1545

Company L.D. DRILLING, INC. Lease & Well No. #4-31 DARREL  
Contractor L.D.DRILLING,INC.RIG 1 Charge to L.D. DRILLING, INC.  
Elevation 2645 KB Formation LANSING 'B' Effective Pay \_\_\_\_\_ Ft. Ticket No. M801  
Date 11/3/2015 Sec. 31 Twp. 19 S Range 29 W County GOVE State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3705 ft. to 3725 ft. Total Depth 3725 ft.

Packer Depth 3700 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 3705 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3787 ft. Recorder Number 0063 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3707 ft. Recorder Number 5448 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth 3722 ft. Recorder Number 6448 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 8.8 Water Loss 6.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 2,000 P.P.M. Drill Pipe Length 3673 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 3 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 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: SSB, BUILT TO 2" (NO BB)

2nd Open: SSB, BUILT TO 4" (NO BB)

Recovered -8 ft. of CO 100% OIL GRAVITY: 33.1 @ 60°

Recovered 27 ft. of VSOSWM 35% WTR, 65% MUD W/ A SCUM OF OIL

Recovered 35 ft. of TOTAL FLUID

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

Recovered \_\_\_\_\_ ft. of RW: .34 @ 84 DEG Price Job \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of PH: 8.0 Other Charges \_\_\_\_\_

Remarks: CHLOR: 16,000 PPM Insurance \_\_\_\_\_

TOOL SAMPLE: 22% OIL, 30% WTR, 48% MUD Total \_\_\_\_\_

Time Set Packer(s) 10:45 A.M. A.M. P.M. Time Started Off Bottom 1:45 P.M. A.M. P.M. Maximum Temperature 116°F

Initial Hydrostatic Pressure..... (A) 1736 P.S.I.

Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 19 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 421 P.S.I.

Final Flow Period..... Minutes 45 (E) 26 P.S.I. to (F) 29 P.S.I.

Final Closed In Period..... Minutes 60 (G) 416 P.S.I.

Final Hydrostatic Pressure..... (H) 1719 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.

# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	#4-31 DARREL	Job Number	M801
Well Name	#4-31 DARREL	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3705-3725 LANSING 'B'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.31-19S-29W GOVE CO.KS.	Report Date	2015/11/03
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 3

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3705-3725 LANSING 'B'		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/11/03	Start Test Time	09:00:00
Final Test Date	2015/11/03	Final Test Time	15:45:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

### Test Results

#### Remarks RECOVERED:

~8' CO 100% OIL  
27' VSOSWM 35% WTR, 65% MUD W/ A SCUM OF OIL  
35' TOTAL FLUID

GRAVITY: 33.1 @ 60 DEG

CHLOR: 16,000 PPM  
PH:8.0  
RW: .34 @ 84 DEG

TOOL SAMPLE: 22% OIL, 30% WTR, 48% MUD

#4-31 DARREL  
DST#2 3705-3725 LANSING 'B'  
Start Test Date: 2015/11/03  
Final Test Date: 2015/11/03

#4-31 DARREL  
Formation: DST#2 3705-3725 LANSING 'B'  
Pool: WILDCAT  
Job Number: M801

# #4-31 DARREL

