



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: 4-31DRRLDST5

TIME ON: 0310  
TIME OFF: 1040

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 ALTO/MYRICK Effective Pay \_\_\_\_\_ Ft. Ticket No. M804  
Date 11/6/2015 Sec. 31 Twp. \_\_\_\_\_ 19 S Range \_\_\_\_\_ 29 W County GOVE State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4100 ft. to 4180 ft. Total Depth 4180 ft.  
Packer Depth 4095 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 4100 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4082 ft. Recorder Number 5448 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4102 ft. Recorder Number 0063 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth 4177 ft. Recorder Number 6448 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 56 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,000 P.P.M. Drill Pipe Length 4068 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 80 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 5" (NO BB)  
2nd Open: WSB, BUILT TO 4" (NO BB)

Recovered ~1/2 ft. of ABOUT ONE HALF FOOT FREE OIL 100% OIL  
Recovered 40 ft. of VSOSWM 2% WTR, 98% MUD, W/ A THIN SCUM OF OIL  
Recovered 21 ft. of GOM 4% GAS, 96% EMULSIFIED OIL & MUD  
Recovered 61 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>PH: 7.0</u>	Other Charges
Remarks: <u>CHLOR: 14,000 PPM</u>	Insurance
<u>TOOL SAMPLE: 2% GAS, 4% FREE OIL, 40% EMULSIFIED OIL, 19% WTR, 35% MUD</u>	Total

Time Set Packer(s) 5:30 A.M. A.M. P.M. Time Started Off Bottom 8:30 A.M. A.M. P.M. Maximum Temperature 124°F

Initial Hydrostatic Pressure..... (A) 1945 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 28 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 473 P.S.I.  
Final Flow Period..... Minutes 45 (E) 29 P.S.I. to (F) 42 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 467 P.S.I.  
Final Hydrostatic Pressure..... (H) 1901 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	M804
Well Name	#4-31 DARREL	Representative	MIKE COCHRAN
Unique Well ID	DST#5 4100-4180 ALTO/MYRICK	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.31-19S-29W GOVE CO.KS.	Report Date	2015/11/06
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 3

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 4100-4180 ALTO/MYRICK		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/11/06	Start Test Time	03:10:00
Final Test Date	2015/11/06	Final Test Time	10:40:00
		Well Fluid Type	01 Oil
Gauge Name	5448		
Gauge Serial Number			

### Test Results

Remarks **RECOVERED:**

ABOUT ONE HALF FOOT FREE OIL 100% OIL  
40' VSOSWM 2% WTR, 98% MUD, W/ A THIN SCUM OF OIL  
21' GOM 4% GAS, 96% EMULSIFIED OIL & MUD  
**61' TOTAL FLUID**

**CHLOR: 14,000 PPM**  
**PH:7.0**

**TOOL SAMPLE: 2% GAS, 4% FREE OIL, 40% EMULSIFIED OIL, 19% WTR, 35% MUD**

#4-31 DARREL  
DST#5 4100-4180 ALTO/MYRICK  
Start Test Date: 2015/11/06  
Final Test Date: 2015/11/06

#4-31 DARREL  
Formation: DST#5 4100-4180 ALTO/MYRICK  
Pool: WILDCAT  
Job Number: M804

# #4-31 DARREL

