



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: 4-31DRRLDST7

TIME ON: 1740 (11/7)  
TIME OFF: 0155 (11/8)

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 MISS SAND Effective Pay \_\_\_\_\_ Ft. Ticket No. M806  
Date 11/7/2015 Sec. 31 Twp. 19 S Range 29 W County GOVE State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 7 Interval Tested from 4300 ft. to 4333 ft. Total Depth 4333 ft.

Packer Depth 4295 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 4300 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4282 ft. Recorder Number 5448 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4302 ft. Recorder Number 0063 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth 4330 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 54 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 2,400 P.P.M. Drill Pipe Length 4268 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 33 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: WSB, BUILT TO 1 1/2" (NO BB)

2nd Open: VWSB THAT DIED AFTER 35 MIN (NO BB)

Recovered 5 ft. of GM 100% MUD W/ SOME GASSY BUBBLES & A SHOW OF OIL IN TOP OF TOOL

Recovered 5 ft. of TOTAL FLUID

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

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

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

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

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

TOOL SAMPLE: 1% OIL, 99% MUD W/ SOME GASSY BUBBLES

Time Set Packer(s) 8:30 P.M. <sup>A.M.</sup> P.M. Time Started Off Bottom 11:30 A.M. <sup>A.M.</sup> P.M. Maximum Temperature 128°F

Initial Hydrostatic Pressure..... (A) 2042 P.S.I.

Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 843 P.S.I.

Final Flow Period..... Minutes 45 (E) 16 P.S.I. to (F) 16 P.S.I.

Final Closed In Period..... Minutes 60 (G) 736 P.S.I.

Final Hydrostatic Pressure..... (H) 2007 P.S.I.

Price Job
Other Charges
Insurance
Total

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	M806
Well Name	#4-31 DARREL	Representative	MIKE COCHRAN
Unique Well ID	DST#7 4300-4333 MISS SAND	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.31-19S-29W GOVE CO.KS.	Report Date	2015/11/08
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 3

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#7 4300-4333 MISS SAND		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/11/07	Start Test Time	17:40:00
Final Test Date	2015/11/08	Final Test Time	01:55:00
		Well Fluid Type	01 Oil
Gauge Name	5448		
Gauge Serial Number			

### Test Results

Remarks **RECOVERED:**  
5' GM 100% MUD W/ SOME GASSY BUBBLES & A SHOW OF OIL IN TOP OF TOOL  
5' TOTAL FLUID

**TOOL SAMPLE:** 1% OIL, 99% MUD W/ SOME GASSY BUBBLES

