

# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	L.D. DRILLING, INC.	Job Number	M566
Well Name	LORETTA POLZIN TRUST #1-22	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3374-3436 ARBUCKLE	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.22-18S-14W BARTON CO.KS.	Report Date	2013/10/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3374-3436 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/20	Start Test Time	14:50:00
Final Test Date	2013/10/20	Final Test Time	23:20:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

### Test Results

Remarks RECOVERED:

310' GIP  
1745' GO 2% GAS, 98% OIL  
275' WGMO 10% GAS, 90% EMULSIFIED OIL, 10% MUD W/ A TRACE OF WTR  
2020' TOTAL FLUID

GRAVITY: 37.6 @ 60 DEG

TOOL SAMPLE: 100% GASSY OIL



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

TIME ON: 1450  
 TIME OFF: 2320

**DRILL-STEM TEST TICKET**  
 FILE: LRTTPLZNRST1-22DST3

Company L.D. DRILLING, INC. Lease & Well No. LORETTA POLZIN TRUST #1-22  
 Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.  
 Elevation 1916 GL Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. M566  
 Date 10/20/2013 Sec. 22 Twp. \_\_\_\_\_ 18 S Range \_\_\_\_\_ 14 W County BARTON State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3374 ft. to 3436 ft. Total Depth 3436 ft.  
 Packer Depth 3369 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
 Packer Depth 3374 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3361 ft. Recorder Number 0063 Cap. 6,000 P.S.I.  
 Bottom Recorder Depth (Outside) 3433 ft. Recorder Number 6884 Cap. 6,275 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEM Viscosity 56 Drill Collar Length 117 ft. I.D. 2 1/4 in.  
 Weight 9.0 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 4,800 P.P.M. Drill Pipe Length 3230 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 62 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32'DP, 30' PERF Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SSB, BOB 1 MIN (4 1/2" BB)  
 2nd Open: SSB, BOB 1 MIN 45 SEC. (NO BB)

Recovered 310 ft. of GIP  
 Recovered 1745 ft. of GO 2% GAS, 98% OIL  
 Recovered 275 ft. of WGMO 10% GAS, 90% EMULSIFIED OIL, 10% MUD W/ A TRACE OF WTR  
 Recovered 2020 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>GRAVITY: 37.6 @ 60°</u>	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 100% GASSY OIL	Total

Time Set Packer(s) 4:45 P.M. A.M. P.M. Time Started Off Bottom 7:45 P.M. A.M. P.M. Maximum Temperature 114°F

Initial Hydrostatic Pressure..... (A) 1622 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 143 P.S.I. to (C) 467 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1019 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 502 P.S.I. to (F) 741 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1008 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1614 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.

# LORETTA POLZIN TRUST #1-22

