



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
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General Information

Company Name	LD Drilling, Inc.	Well Name	Ringing #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #4 Arbuckle 3270'-3301'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Batron Co.-KS
Site Contact	Kim Shoemaker	Test Unit	#5
Field	Chase-Silica	Pool	NA
Well Type	Vertical	Job Number	F172
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Bottom-Hole w/safety joint	Test Purpose	Initial Test
Formation	Arbuckle 3270'-3301'	Gauge Name	0062
Start Test Date	2013/09/12	Start Test Time	21:30:00
Final Test Date	2013/09/13	Final Test Time	03:04:00

Test Results

30 minute initial flow period:	Surface blow, dead in 18 minutes.
30 minute initial shut-in period:	No blow.
30 minute final flow period:	No blow.
30 minute final shut-in period:	No blow.

Recovered: 5' Drilling Mud
----- Bottom-Hole Temp: 97 Deg F

Pressures: IHP: 1607
IFP: 9-11
ISIP: 20
FFP: 11-12
FSIP: 17
FHP: 1607

Thanks!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST4

TIME ON: on loc 8:58pm/batt on 9:30pm
TIME OFF: 3:04am

Company LD Drilling, Inc. Lease & Well No. Ringing #3-15
Contractor Petromark Drilling, LLC Rig #2 Charge to LD Drilling, Inc.
Elevation 1764' KB Formation _____ Arbuckle Effective Pay _____ Ft. Ticket No. F172
Date 9-13-2013 Sec. 15 Twp. _____ 20 S Range _____ 11 W County _____ Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. FOUR Interval Tested from 3270 ft. to 3301 ft. Total Depth 3301 ft.
Packer Depth 3265 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3270 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3253 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3298 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 8.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 8000 P.P.M. Drill Pipe Length 3122 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (safety joint only) Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 31 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: Surface blow, dead in 18 minutes.
2nd Open: No blow.

Recovered <u>5</u> ft. of <u>Drilling Mud</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 11:24 PM A.M. P.M. Time Started Off Bottom 1:24 AM A.M. P.M. Maximum Temperature 97 Deg F
Initial Hydrostatic Pressure..... (A) 1607 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 20 P.S.I.
Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 12 P.S.I.
Final Closed In Period..... Minutes 30 (G) 17 P.S.I.
Final Hydrostatic Pressure..... (H) 1607 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.

LD Drilling, Inc.
DST #4 Arbuckle 3270'-3301'
Start Test Date: 2013/09/12
Final Test Date: 2013/09/13

Ringing #3-15
Formation: Arbuckle 3270'-3301'
Pool: NA
Job Number: F172

Ringing #3-15

