



Diamond Testing General Report

**JAKE
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P.O. Box 157
Hoisington KS 67544
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General Information

Company Name	LD Drillnig, Inc.	Well Name	Ringering #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #6 Arbuckle 3268'-3317'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Barton Co.-KS
Site Contact	Kim Shoemaker	Test Unit	#5
Field	Chase Silica	Pool	NA
Well Type	Vertical	Job Number	F174
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Bottom-Hole w/safety joint	Test Purpose	Initial Test
Formation	Arbuckle 3268'-3317	Gauge Name	0062
Start Test Date	2013/09/13	Start Test Time	17:36:00
Final Test Date	2013/09/14	Final Test Time	00:13:00

Test Results

30 minute initial flow period:	Surface blow, increased to 4.5".
45 minute initial shut-in period:	No blow.
45 minute final flow period:	Surface blow, increased to 6".
60 minute final shut-in period:	No blow.

Recovered: 5' Clean Oil
 130' O&WCM 8% oil, 15% wtr, 77% mud
 ---- Tool Sample: W&OCM 20% oil, 15% wtr, 65% mud
 ---- Bottom-Hole Temp: 96 Deg F
 ---- Chlorides: 11,000 PPM

Pressures:
 IHP: 1576
 IFP: 17-53
 ISIP: 955
 FFP: 54-74
 FSIP: 930
 FHP: 1572

Thanks!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST6

TIME ON: O.L. 4:30pm / B.O. 5:36pm
TIME OFF: 12:13am

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. F174
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. SIX Interval Tested from 3268 ft. to 3317 ft. Total Depth 3317 ft.
Packer Depth 3263 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3268 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3251 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3314 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 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 12.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 12000 P.P.M. Drill Pipe Length 3120 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 49 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{15' PERF (2' TOP, 13' BTM)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, increased to 4.5".
2nd Open: Surface blow, increased to 6".

Recovered 5 ft. of Clean Oil
Recovered 130 ft. of O&WCM 8% oil, 15% wtr, 77% mud
Recovered ----- ft. of Tool Sample: W&OCM 20% oil, 15% wtr, 65% mud
Recovered ----- ft. of Chlorides: 11,000 PPM

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 7:13 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:13 PM ^{A.M.}/_{P.M.} Maximum Temperature 96 Deg F

Initial Hydrostatic Pressure..... (A) 1576 P.S.I.
Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 53 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 955 P.S.I.
Final Flow Period..... Minutes 45 (E) 54 P.S.I. to (F) 74 P.S.I.
Final Closed In Period..... Minutes 60 (G) 930 P.S.I.
Final Hydrostatic Pressure..... (H) 1572 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 Drillnig, Inc.
DST #6 Arbuckle 3268'-3317'
Start Test Date: 2013/09/13
Final Test Date: 2013/09/14

Ringing #3-15
Formation: Arbuckle 3268'-3317'
Pool: NA
Job Number: F174

Ringing #3-15

