



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	Ringering #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #1 Lansing "B-G" 3047'-3127'
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	F169
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	Lansing "B-G" 3047'-3127'	Gauge Name	0062
Start Test Date	2013/09/11	Start Test Time	05:25:00
Final Test Date	2013/09/11	Final Test Time	12:20:00

Test Results

30 minute initial flow period: .25" blow, increased to B.O.B. in 18 minutes.
 45 minute initial shut-in period: No blowback.
 45 minute final flow period: Surface blow, increased to B.O.B. in 32 minutes.
 60 minute final shut-in period: No blowback.

Recovered: 145' SOSMW <1% oil, 56% wtr, 44% mud
 180' SOSMCW <1% oil, 82% wtr, 18% mud
 ----- Total Recovered Fluid: 325'
 ----- Tool Sample: SOSMCW <1% oil, 73% wtr, 27% mud
 ----- Bottom-Hole Temp: 99 Deg F
 ----- Chlorides: 31,500 PPM
 ----- RW: .31 ohm @ 72 Deg F
 ----- PH: 7.5

Pressures: IHP: 1451
 IFP: 16-106
 ISIP: 654
 FFP: 113-161
 FSIP: 606
 FHP: 1448

Thanks!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST1

TIME ON: on loc 3:22AM/batt on 5:25AM
TIME OFF: 12:20PM

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 _____ Lansing "B-G" Effective Pay _____ Ft. Ticket No. F169
Date 9-11-2013 Sec. 15 Twp. _____ 20 S Range _____ 11 W County _____ Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. ONE Interval Tested from 3047 ft. to 3127 ft. Total Depth 3127 ft.
Packer Depth 3042 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3047 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3030 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3124 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 55 Drill Collar Length 150 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 2869 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 80 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{15' PERF (3' TOP, 12' BTM)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: .25" blow, increased to B.O.B. in 18 minutes. No blowback.
2nd Open: Surface blow, increased to B.O.B. in 32 minutes. No blowback.

Recovered <u>145</u> ft. of <u>SOSMW</u> <1% oil, 56% wtr, 44% mud	Price Job
Recovered <u>180</u> ft. of <u>SOSMCW</u> <1% oil, 82% wtr, 18% mud	
Recovered _____ ft. of <u>Total Recovered Fluid: 325'</u>	
Recovered _____ ft. of <u>Tool Sample: SOSMCW <1% oil, 73% wtr, 27% mud</u>	
Recovered _____ ft. of <u>Chlorides: 31,500 PPM</u>	
Recovered _____ ft. of <u>RW: .31 ohm @ 72 Deg F</u>	Other Charges
Remarks: _____ <u>PH: 7.5</u>	Insurance
	Total

Time Set Packer(s) 7:22 AM A.M. P.M. Time Started Off Bottom 10:22 AM A.M. P.M. Maximum Temperature 99 Deg F
Initial Hydrostatic Pressure..... (A) 1450 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 106 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 654 P.S.I.
Final Flow Period..... Minutes 45 (E) 113 P.S.I. to (F) 161 P.S.I.
Final Closed In Period..... Minutes 60 (G) 606 P.S.I.
Final Hydrostatic Pressure..... (H) 1448 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 #1 Lansing "B-G" 3047'-3127'
Start Test Date: 2013/09/11
Final Test Date: 2013/09/11

Ringing #3-15
Formation: Lansing "B-G" 3047'-3127'
Pool: NA
Job Number: F169

Ringing #3-15

