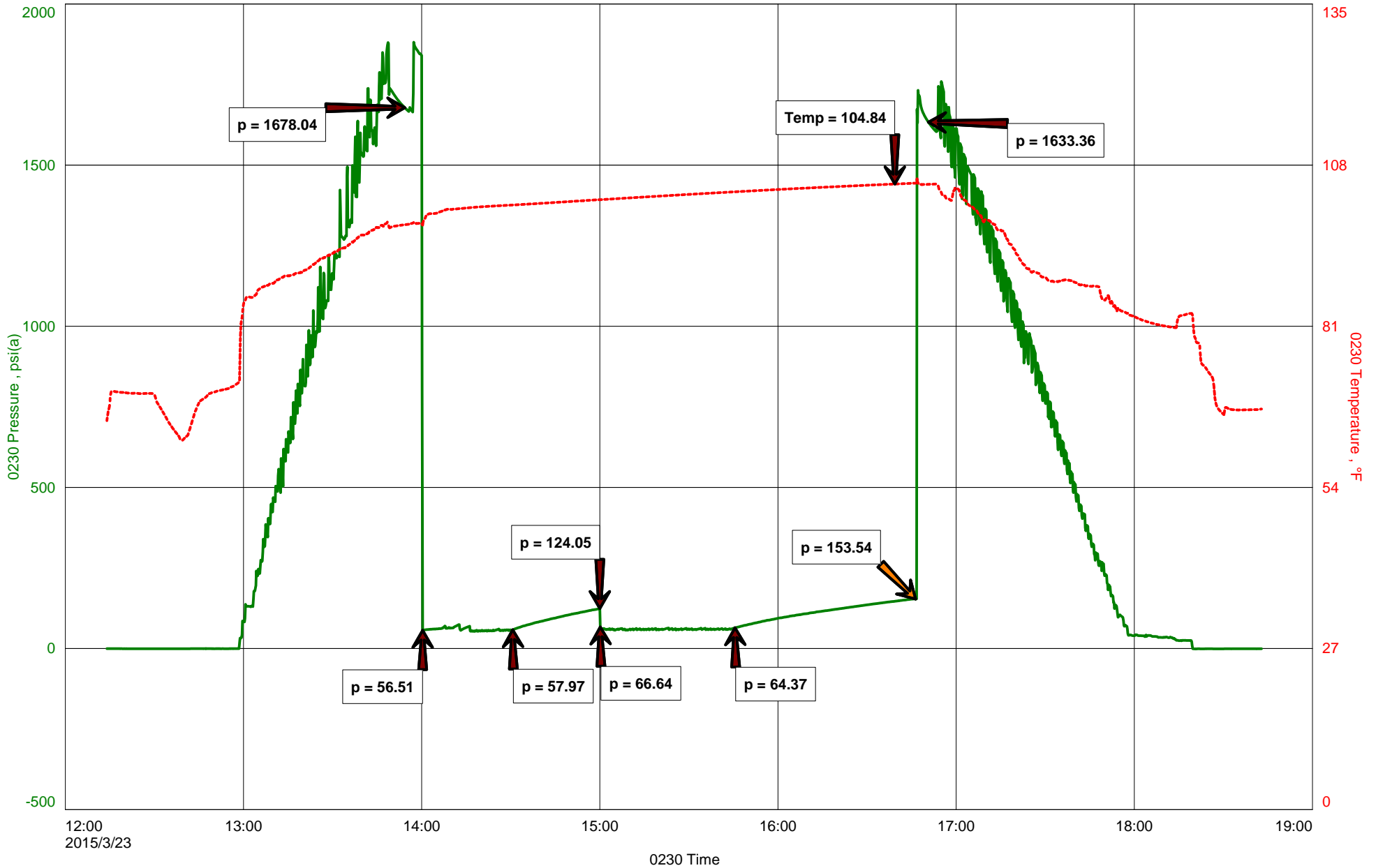


L.B. Exploration  
Dst #4 Arbuckle 3452-3541'  
Start Test Date: 2015/03/23  
Final Test Date: 2015/03/23

Otte #1  
Formation: Dst #4 Arbuckle 3452-3541'  
Pool: Wildcat  
Job Number: P0064

# Otte #1





**Hoisington, Kansas**

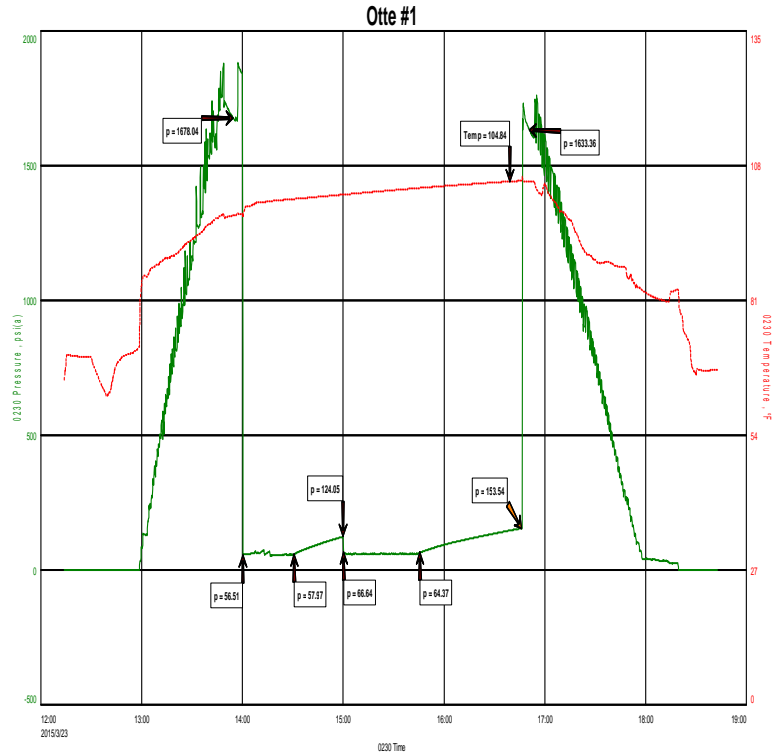
**Michael Carroll**  
**620-617-0368**  
**carroll.dtlc@gmail.com**

**General Information**

**Company Name** L.B. Exploration

<b>Contact</b>	<b>Michael Peterman</b>
<b>Well Name</b>	<b>Otte #1</b>
<b>Unique Well ID</b>	<b>Dst #4 Arbuckle 3452-3541'</b>
<b>Surface Location</b>	<b>Sec15-19s-14w Barton County</b>
<b>Field</b>	<b>Wildcat</b>
<b>Well Type</b>	<b>Vertical</b>
<b>Test Type</b>	<b>Drill Stem Test</b>
<b>Well Operator</b>	<b>L.B. Exploration</b>

<b>Formation</b>	<b>Dst #4 Arbuckle 3452-3541'</b>
<b>Well Fluid Type</b>	<b>01 Oil</b>
<b>Test Purpose</b>	<b>Initial Test</b>
<b>Start Test Date</b>	<b>2015/03/23</b>
<b>Start Test Time</b>	<b>12:14:00</b>
<b>Final Test Time</b>	<b>18:32:00</b>
<b>Job Number</b>	<b>P0064</b>
<b>Report Date</b>	<b>2015/03/23</b>
<b>Prepared By</b>	<b>Michael Carroll</b>



**TEST RECOVERY**

<b>Remarks</b>	<b>Recovery:</b>	<b>189'</b>	<b>Gas In Pipe</b>
		<b>33'</b>	<b>Mud 100%M With A Few Oil Specks</b>
	<b>Total Fluid:</b>	<b>33'</b>	
	<b>Tool Sample:</b>	<b>100%M</b>	<b>Small Scum Of Oil, Less Than 1%</b>



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: Otte#1Dst#4

TIME ON: 1214  
 TIME OFF: 1832

Company L.B. Exploration Lease & Well No. Otte #1  
 Contractor Ninnescah Drilling Charge to L.B. Exploration  
 Elevation 1876GL Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. P0064  
 Date 3-23-15 Sec. 15 Twp. \_\_\_\_\_ 19 S Range \_\_\_\_\_ 14 W County \_\_\_\_\_ Barton State KANSAS  
 Test Approved By Jim Musgrove Diamond Representative Michael Carroll

Formation Test No. 4 Interval Tested from 3452 ft. to 3541 ft. Total Depth 3541 ft.  
 Packer Depth 3447 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3452 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) 3440 ft. Recorder Number 5950 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3520 ft. Recorder Number 0230 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 68 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 7000 P.P.M. Drill Pipe Length 3425 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number na Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 89(25a) 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: 1/4"BLOW-BUILT TO 8 1/2" IN 30 MINUTES NOBB  
 2nd Open: 3"BLOW-BUILT TO 10" IN 45 MINUTES NOBB

Recovered 189 ft. of GAS IN PIPE  
 Recovered 33 ft. of MUD 100%M WITH A FEW OIL SPECKS  
 Recovered 33 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: 100%M WITH A SMALL SCUM OF OIL, LESS THAN 1%	Total

Time Set Packer(s) 2:00P.M. <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 4:45P.M. <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 105

Initial Hydrostatic Pressure..... (A) 1678 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 57 P.S.I. to (C) 58 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 124 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 67 P.S.I. to (F) 64 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 154 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1633 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.