



# Diamond Testing General Report

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

P.O. Box 157  
Hoisington KS 67544  
Office: (800) 542-7313

## General Information

<b>Company Name</b>	D&J Oil Co., Inc.	<b>Well Name</b>	Wicked Witch #4
<b>Well Operator</b>	D&J Oil Co., Inc.	<b>Unique Well ID</b>	DST #1 Miss. Dolo. 4326'-4378'
<b>Contact</b>	Graig Roberts	<b>Surface Location</b>	Sec 2-21s-26w-Hodgeman Co.-KS
<b>Site Contact</b>	Roger Martin	<b>Test Unit</b>	#5
<b>Field</b>	Buda Southeast	<b>Pool</b>	NA
<b>Well Type</b>	Vertical	<b>Job Number</b>	F239
<b>Prepared By</b>	Jake Fahrenbruch	<b>Qualified By</b>	Roger Martin

## Test Information

<b>Test Type</b>	Bottom-Hole w/J&J	<b>Test Purpose</b>	Initial Test
<b>Formation</b>	Miss. Dolo. 4326'-4378'	<b>Gauge Name</b>	Outside 5584
<b>Start Test Date</b>	2014/02/03	<b>Start Test Time</b>	02:51:00
<b>Final Test Date</b>	2014/02/03	<b>Final Test Time</b>	09:40:00

## Test Results

30 minute initial flow period:	Very few bubbled when open tool, no blow, increased to very weak surface blow.
45 minute initial shut-in period:	No blowback.
30 minute final flow period:	No blow, blow increased to sporadic surface blow.
45 minute final shut-in period:	No blowback.

Recovered: 10' SOCM 9% oil, 91% mud  
 ----- Tool Sample: OCM 16% oil, 84 % mud  
 ----- Bottom-Hole Temp: 107 Deg F

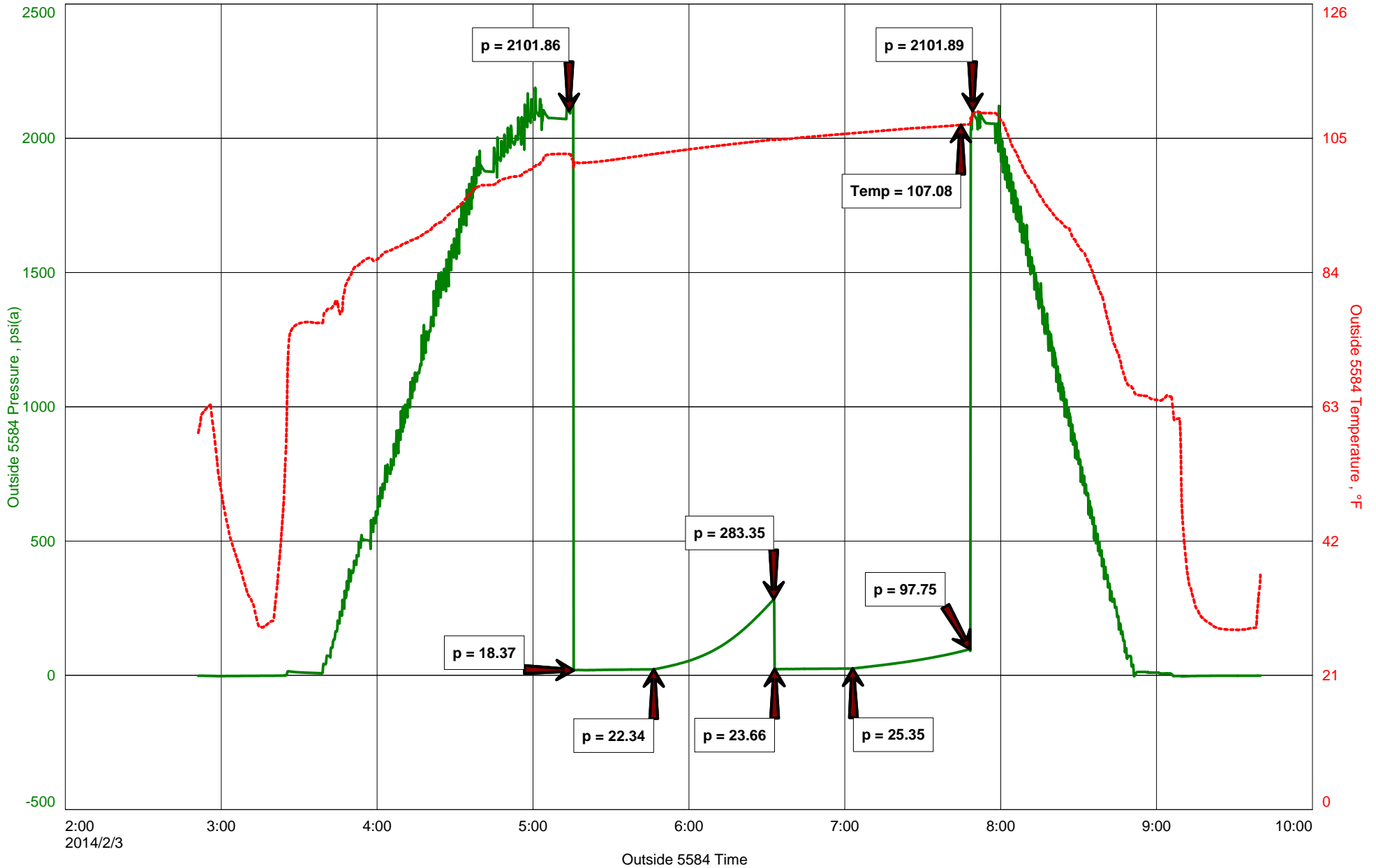
Pressures: IHP: 2102  
 IFP: 18-22  
 ISIP: 283  
 FFP: 24-25  
 FSIP: 98  
 FHP: 2102

Thanks

D&J Oil Co., Inc.  
DST #1 Miss. Dolo. 4326'-4378'  
Start Test Date: 2014/02/03  
Final Test Date: 2014/02/03

Wicked Witch #4  
Formation: Miss. Dolo. 4326'-4378'  
Pool: NA  
Job Number: F239

# Wicked Witch #4





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: WICWITC4DST1

TIME ON: 2:51 AM  
TIME OFF: 9:40 AM

Company D&J Oil Co., Inc. Lease & Well No. Wicked Witch #4  
Contractor Murfin Drlg Rig #16 Charge to D&J Oil Co., Inc.  
Elevation 2424' KB Formation \_\_\_\_\_ Miss. Dolo. Effective Pay \_\_\_\_\_ Ft. Ticket No. F239  
Date 2-3-14 Sec. 2 Twp. \_\_\_\_\_ 21 S Range \_\_\_\_\_ 26 W County \_\_\_\_\_ Hodgeman State KANSAS  
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. ONE Interval Tested from 4326 ft. to 4378 ft. Total Depth 4378 ft.  
Packer Depth 4321 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4326 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4304 ft. Recorder Number 5951 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4330 ft. Recorder Number 5584 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 64 (1.5# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
Weight 9.7 Water Loss 7.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 2250 P.P.M. Drill Pipe Length 4263 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 52 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>18PERF(2TOP,16BTM)</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Very few bubbles when open tool, No blow, increased to very weak surface blow.  
2nd Open: No blow, blow increased to a sporadic surface blow.

Recovered 10 ft. of SOCM 9% oil, 91% mud  
Recovered \_\_\_\_\_ ft. of Tool Sample: OCM 16% oil, 84% mud  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: _____	(( RAN JARS & SAFETY JOINT))	Price Job
_____	((242 ROUND TRIP MILES F/DST #1))	Other Charges
_____	_____	Insurance
_____	_____	Total

Time Set Packer(s) 5:15 AM <sup>A.M.</sup> P.M. Time Started Off Bottom 7:45 AM <sup>A.M.</sup> P.M. Maximum Temperature 107 Deg F  
Initial Hydrostatic Pressure..... (A) 2102 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 22 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 283 P.S.I.  
Final Flow Period..... Minutes 30 (E) 24 P.S.I. to (F) 25 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 98 P.S.I.  
Final Hydrostatic Pressure..... (H) 2102 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.