



Diamond Testing General Report

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

P.O. Box 157
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General Information

Company Name	D&J Oil Co., Inc.	Well Name	Wicked Witch #4
Well Operator	D&J Oil Co., Inc.	Unique Well ID	DST #2 Miss. Dolo. 4326'-4388'
Contact	Craig Roberts	Surface Location	Sec 2-21s-26w-Hodgeman Co.-KS
Site Contact	Roger Martin	Test Unit	#5
Field	Buda Southeast	Pool	NA
Well Type	Vertical	Job Number	F240
Prepared By	Jake Fahrenbruch	Qualified By	Roger Martin

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Miss. Dolo. 4326'-4388'	Gauge Name	Inside 5951
Start Test Date	2014/02/03	Start Test Time	18:33:00
Final Test Date	2014/02/04	Final Test Time	03:08:00

Test Results

Ran test with no blows. Proceeded to disassemble surface equipment and found that the .25" valve on the blow hose was closed, and that there was pressure inside the drill stem pipe. I then bled off the pressure and had a surface blow-back that increased to 2" in the bucket of diesel fuel.

Times ran were: 30 min open, 45 min closed, 30 min open, 90 min closed.

Recovered:

95' Gsy OM 15% G, 38% O, 47% M
 125' Gsy MO 15% G, 45% O, 40% M
 125' Oily Mud 45% O, 55% M
 ---- TOTAL RECOVERED FLUID: 345'
 ---- TOOL SAMPLE: Muddy Oil, 53% O, 47% M
 ---- GAS IN PIPE: +/- 150'
 ---- BOTTOM-HOLE TEMP.: 108 DEG F

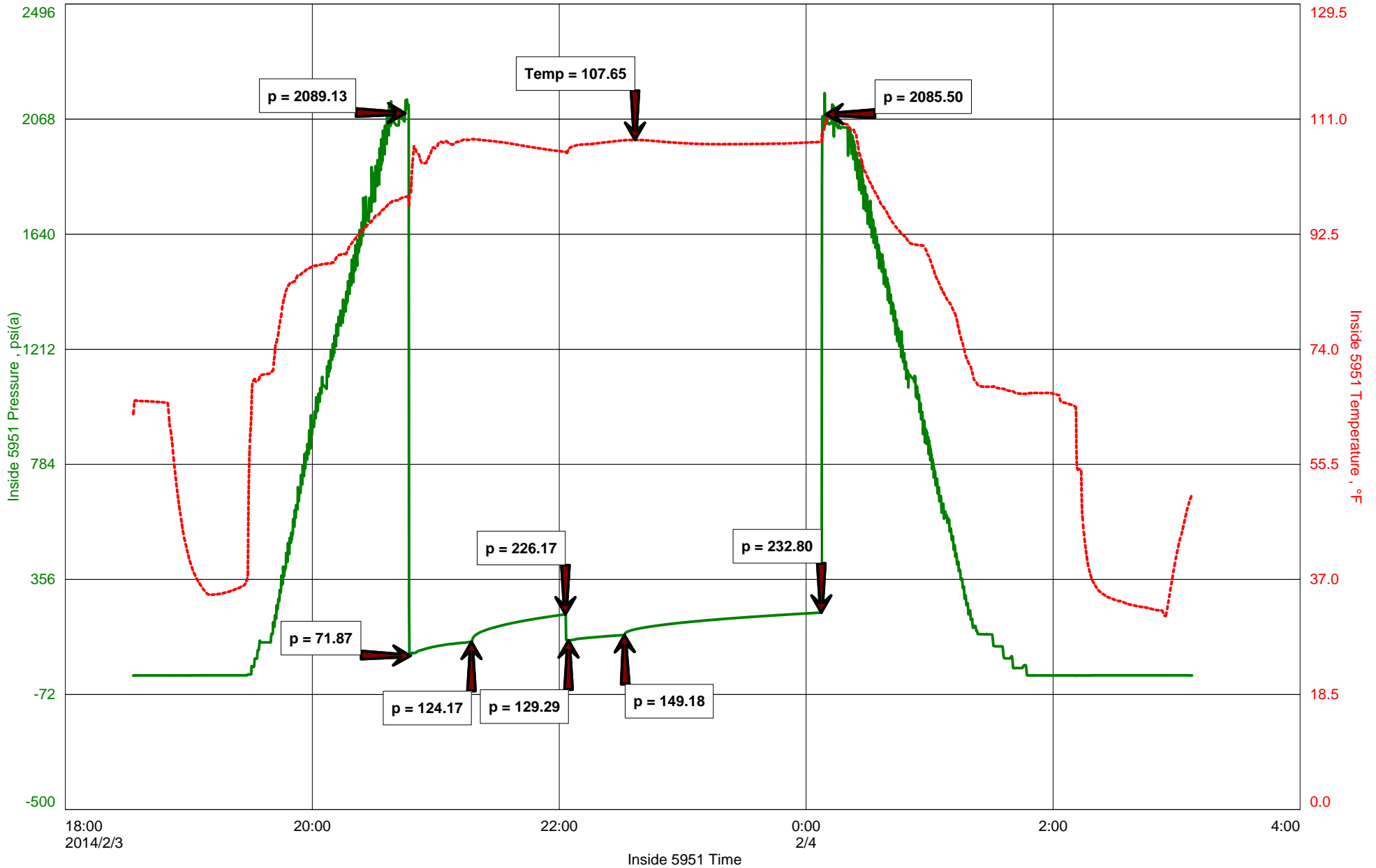
---- INITIAL HYDROSTATIC PRESSURE ----- 2089 PSI
 ---- INITIAL FLOW PRESSURE ----- 72-124 PSI
 ---- INITIAL SHUT-IN PRESSURE ----- 226 PSI
 ---- FINAL FLOW PRESSURE ----- 129-149 PSI
 ---- FINAL SHUT-IN PRESSURE ----- 233 PSI
 ---- FINAL HYDROSTATIC PRESSURE ----- 2086 PSI

I apologize for my error with the valve.
Jake Fahrenbruch

D&J Oil Co., Inc.
DST #2 Miss. Dolo. 4326'-4388'
Start Test Date: 2014/02/03
Final Test Date: 2014/02/04

Wicked Witch #4
Formation: Miss. Dolo. 4326'-4388'
Pool: NA
Job Number: F240

Wicked Witch #4





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WICWITC4DST2

TIME ON: 6:33 PM 2-3-14
TIME OFF: 3:08 AM 2-4-14

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. F240
Date 2-4-14 Sec. 2 Twp. _____ 21 S Range _____ 26 W County _____ Hodgeman State KANSAS
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. TWO Interval Tested from 4326 ft. to 4388 ft. Total Depth 4388 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) 4362 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 62 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{28"PERF(2"TOP-26"BTM)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Ran test with no blows. Proceeded to disassemble surface equipment and found that the .25" valve on the blow hose was closed.
2nd Open: There was pressure inside the drill stem pipe, I bled the pressure off and had a surface blow-back that increased to 2" in the bucket of diesel fuel.

Recovered 95 ft. of Gsy OM 15% G, 38% O, 47% M
Recovered 125 ft. of Gsy MO 15% G, 45% O, 40% M
Recovered 125 ft. of Oily Mud 45% O, 55% M

Recovered _____ ft. of TOTAL REC. FLUID: 345'	
Recovered _____ ft. of TOOL SAMPLE: Muddy Oil <u>53% O, 47% M</u>	Price Job
Recovered _____ ft. of GIP: +/- 150' ((RAN JARS & SAFETY JOINT))	Other Charges
Remarks: _____ ((NO MILEAGE CHARGE FOR DST #2))	Insurance
_____ ((NEVER LEFT LOCATION))	Total

Time Set Packer(s) 8:48 PM Mon 2-3 ^{A.M.} _{P.M.} Time Started Off Bottom 12:03 AM Tues 2-4 ^{A.M.} _{P.M.} Maximum Temperature 108 Deg F

Initial Hydrostatic Pressure..... (A) 2089 P.S.I.
Initial Flow Period..... Minutes 30 (B) 72 P.S.I. to (C) 124 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 226 P.S.I.
Final Flow Period..... Minutes 30 (E) 129 P.S.I. to (F) 149 P.S.I.
Final Closed In Period..... Minutes 90 (G) 233 P.S.I.
Final Hydrostatic Pressure..... (H) 2086 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.