



Diamond Testing General Report

**JAKE
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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 #3 Mississippian 4387'-4403'
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	F241
Prepared By	Jake Fahrenbruch	Qualified By	Roger Martin

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Mississippian 4387'-4403'	Gauge Name	Inside 5951
Start Test Date	2014/02/04	Start Test Time	12:33:00
Final Test Date	2014/02/04	Final Test Time	21:11:00

Test Results

15 minute initial flow period:	Fairly strong blow, Increased to B.O.B. in 10 minutes.
45 minute initial shut-in period:	Bled off, blowback increased to 3" in bucket.
60 minute final flow period:	Fairly strong blow, increased to B.O.B. in 12 minutes.
90 minute final shut-in period:	Bled off, blowback increased to B.O.B in 75 minutes.

RECOVERED:

125'	CLEAN OIL	100% OIL
50'	HGCM&WCO	20% GAS, 57% OIL, 13% WTR, 10% MUD
125'	GCMCOW	15% GAS, 36% OIL, 37% WTR, 12% MUD
125'	SOSW	1% OIL, 99% WTR
-----	500' G.I.P.	
-----	TOOL SAMPLE: HWCO,	62% OIL, 38% WTR
-----	TOTAL RECOVERED FLUID:	425'
-----	BOTTOM-HOLE TEMP:	120 DEG F
-----	GRAVITY: 36 @ 40 DEG F =	38 CORRECTED GRAVITY
-----	CHLORIDES:	27,000 PPM
-----	RW: .22 OHM @ 94 DEG F	
-----	PH:	7.5

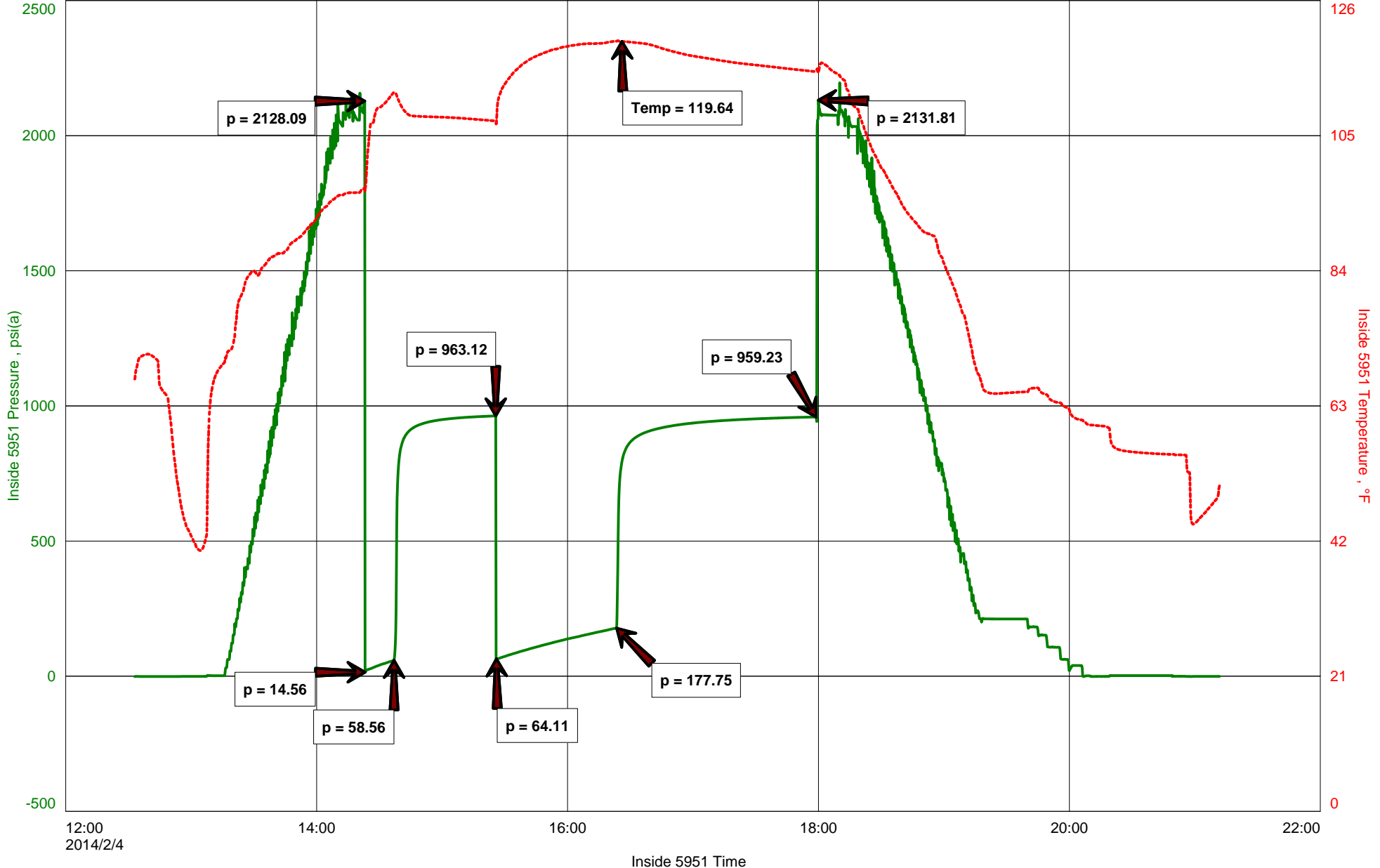
INITIAL HYDROSTATIC PRESSURE: 2128 PSI
 INITIAL FLOW PRESSURE:15--59 PSI
 INITIAL SHUT-IN PRESSURE:963 PSI
 FINAL FLOW PERIOD: 64--178 PSI
 FINAL SHUT-IN PRESSURE:959 PSI
 FINAL HYDROSTATIC PRESSURE: 2132 PSI

THANKS!

D&J Oil Co., Inc
DST #3 Mississippian 4387'-4403'
Start Test Date: 2014/02/04
Final Test Date: 2014/02/04

Wicked Witch #4
Formation: Mississippian 4387'-4403'
Pool: NA
Job Number: F241

Wicked Witch #4





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WICWITC4DST3

TIME ON: 12:33 PM
TIME OFF: 9:11 PM

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 Mississippian Effective Pay _____ Ft. Ticket No. F241
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. THREE Interval Tested from 4387 ft. to 4403 ft. Total Depth 4403 ft.
Packer Depth 4382 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4387 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4365 ft. Recorder Number 5951 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4388 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 52 (1# LCM) Drill Collar Length 30 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 1000 P.P.M. Drill Pipe Length 4324 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 16 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: Fairly strong blow, increased to B.O.B. in 10 minutes. Bled off, blowback increased to 3" in bucket.
2nd Open: Fairly strong blow, increased to B.O.B. in 12 minutes. Bled off, blowback increased to B.O.B. in 75 minutes.

Recovered 125 ft. of Clean Oil 100% oil
Recovered 50 ft. of HGCM&WCO 20% gas, 57% oil, 13% wtr, 10% mud
Recovered 125 ft. of GCMCOW 15% gas, 36% oil, 37% wtr, 12% mud
Recovered 125 ft. of SOSW 1% oil, 99% wtr

Recovered _____ ft. of <u>500' GIP</u> ----- Tool Sample: <u>HWCO, 62% oil, 38% wtr</u>	Price Job
Recovered _____ ft. of <u>Total Recovered Fluid: 425'</u>	Other Charges
Remarks: <u>Gravity: 36 @ 40 Deg F = 38 corrected gravity ((RAN JARS & SAFETY JOINT))</u>	Insurance
<u>RW: .22 ohm @ 94 Deg F ----- PH: 7.5</u> ((70 M.R.T. for DST #3))	
<u>Chlorides: 27,000 PPM</u>	Total

Time Set Packer(s) 2:23 PM A.M. P.M. Time Started Off Bottom 5:53 PM A.M. P.M. Maximum Temperature 120 Deg F

Initial Hydrostatic Pressure..... (A) 2128 P.S.I.
Initial Flow Period..... Minutes 15 (B) 15 P.S.I. to (C) 59 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 963 P.S.I.
Final Flow Period..... Minutes 60 (E) 64 P.S.I. to (F) 178 P.S.I.
Final Closed In Period..... Minutes 90 (G) 959 P.S.I.
Final Hydrostatic Pressure..... (H) 2132 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.