



# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
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## General Information

<b>Company Name</b>	Grand Mesa Operating Company	<b>Well Name</b>	Doornbos #2-15
<b>Well Operator</b>	Grand Mesa Operating Company	<b>Unique Well ID</b>	DST #3 Johnson/Atoka 4544'-4649'
<b>Contact</b>	Steve Stribling	<b>Surface Location</b>	Sec 15-16s-33w-Scott Co.-KS
<b>Site Contact</b>	Bob Schreiber	<b>Test Unit</b>	#5
<b>Field</b>	Wildcat	<b>Pool</b>	NA
<b>Well Type</b>	Vertical	<b>Job Number</b>	F219
<b>Prepared By</b>	Jake Fahrenbruch	<b>Qualified By</b>	Bob Schreiber

## Test Information

<b>Test Type</b>	Bottom-Hole w/J&J	<b>Test Purpose</b>	Initial Test
<b>Formation</b>	Johnson/Atoka 4544'-4649'	<b>Gauge Name</b>	Inside 0062
<b>Start Test Date</b>	2013/12/18	<b>Start Test Time</b>	06:18:00
<b>Final Test Date</b>	2013/12/18	<b>Final Test Time</b>	13:03:00

## Test Results

30 minute initial flow period:	Weak blow, built to 1.25".
30 minute initial shut-in period:	No blow-back.
30 minute final flow period:	Weak blow, built to 1".
30 minute final shut-in period:	No blow-back.

Recovered:

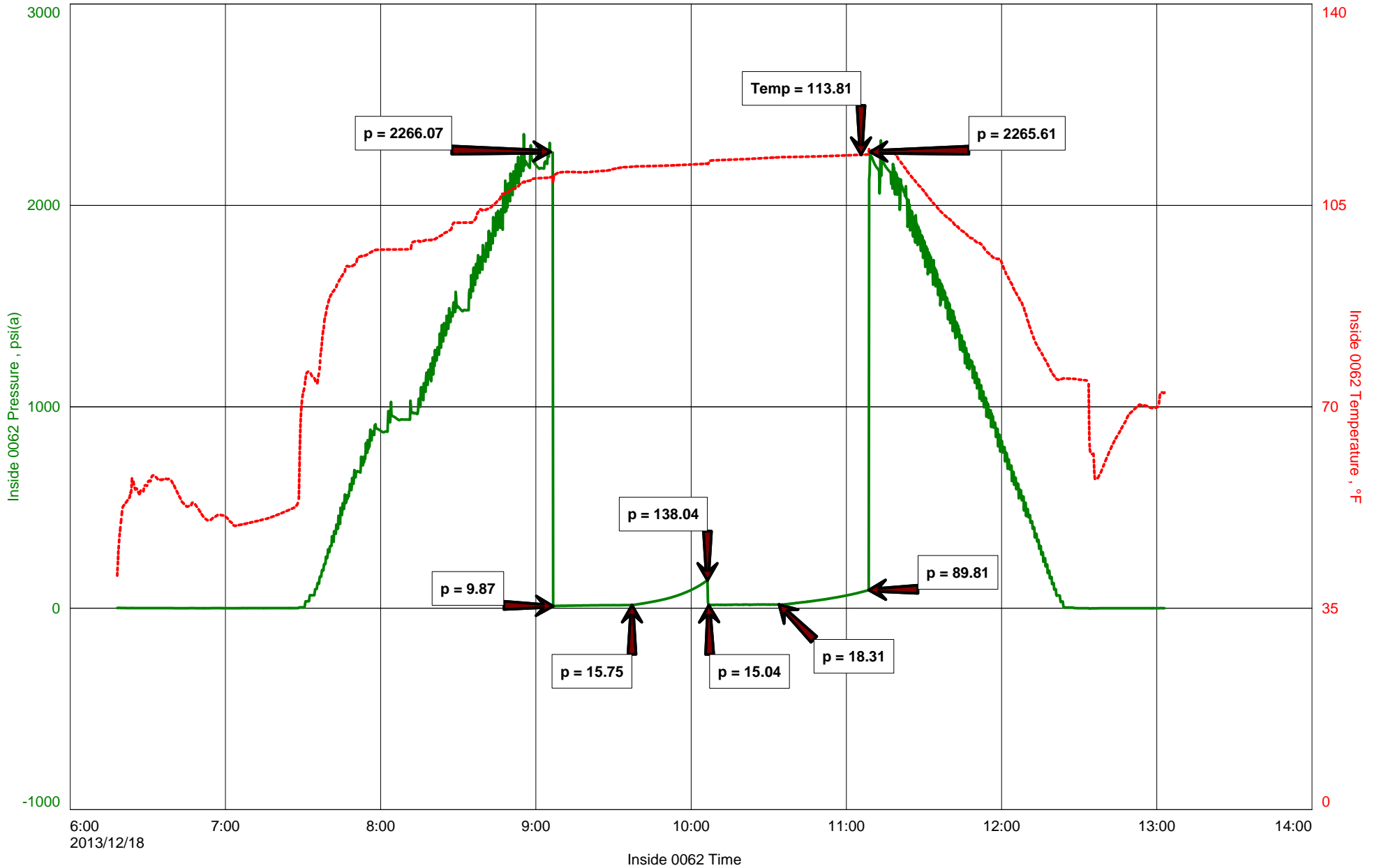
15' OSM	2% oil, 98% mud
	Bottom-Hole Temp: 114 Deg F

Pressures:

IHP:	2266
IFP:	10-16
ISIP:	138
FFP:	15-18
FSIP:	90
FHP:	2266

Thanks.

# Doornbos #2-15





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: DOORNBOS2DST3

TIME ON: 6:18 AM  
TIME OFF: 1:03 PM

Company Grand Mesa Operating Company Lease & Well No. Doornbos #2-15  
Contractor Duke Drilling Rig #                      Charge to Grand Mesa Operating Company  
Elevation 3038' KB Formation Johnson/Atoka Effective Pay                      Ft. Ticket No. F219  
Date 18 Dec 2013 Sec. 15 Twp.                      16 S Range                      33 W County Scott State KANSAS  
Test Approved By Bob Schreiber Diamond Representative Jake Fahrenbruch

Formation Test No. THREE Interval Tested from 4544 ft. to 4649 ft. Total Depth 4649 ft.  
Packer Depth 4539 ft. Size 6 3/4 in. Packer depth                      ft. Size 6 3/4 in.  
Packer Depth 4544 ft. Size 6 3/4 in. Packer depth                      ft. Size 6 3/4 in.  
Depth of Selective Zone Set                     

Top Recorder Depth (Inside) 4522 ft. Recorder Number 0062 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4545 ft. Recorder Number 5951 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth        ft. Recorder Number        Cap.        P.S.I.

Mud Type Chemical Viscosity 57 Drill Collar Length                      ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length                      ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 4511 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 105 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 39' PERF(19' TOP, 20' BTM) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 1.25". No blowback.  
2nd Open: Weak blow, increased to 1". No blowback.

Recovered <u>15</u> ft. of <u>OSM</u>	<u>2% oil, 98% mud</u>
Recovered <u>      </u> ft. of <u>                    </u>	
Recovered <u>      </u> ft. of <u>                    </u>	
Recovered <u>      </u> ft. of <u>                    </u>	
Recovered <u>      </u> ft. of <u>                    </u>	Price Job
Recovered <u>      </u> ft. of <u>                    </u>	Other Charges
Remarks: <u>                    </u>	Insurance
	Total

Time Set Packer(s) 9:07 AM A.M. P.M. Time Started Off Bottom 11:07 AM A.M. P.M. Maximum Temperature 114 Deg F

Initial Hydrostatic Pressure..... (A) 2266 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 16 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 138 P.S.I.  
Final Flow Period..... Minutes 30 (E) 15 P.S.I. to (F) 18 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 90 P.S.I.  
Final Hydrostatic Pressure..... (H) 2266 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.