

# Diamond Testing

## General information Report

### General Information

**Company Name** MID-CONTINENT OPERATING CO.

<b>Contact</b>	RICHARD SAENZ	<b>Job Number</b>	
<b>Well Name</b>	JAMES #1-15	<b>Representative</b>	ROGER D. FRIEDLY
<b>Unique Well ID</b>	DST #1 LANS 70'-90' 4,030' - 4,075'	<b>Well Operator</b>	MID-CONTINENT OPERATING CO.
<b>Surface Location</b>	SEC 15-18S-29W LANE COUNTY, KS	<b>Report Date</b>	2010/12/10
<b>Well License Number</b>		<b>Prepared By</b>	ROGER D. FRIEDLY
<b>Field</b>	WILDCAT		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	CONVENTIONAL TEST		
<b>Formation</b>	DST #1 LANS 70'-90' 4,030' - 4,075'		
<b>Well Fluid Type</b>	06 Water	<b>Start Test Time</b>	05:00:00
		<b>Final Test Time</b>	15:24:00
<b>Start Test Date</b>	2010/12/10		
<b>Final Test Date</b>	2010/12/10		
<b>Gauge Name</b>	1150		
<b>Gauge Serial Number</b>			

### Test Results

RECOVERED: 176' WM 28% WTR, 72% MUD  
248' MW 62% WTR, 34% MUD  
372' SW 100% WTR

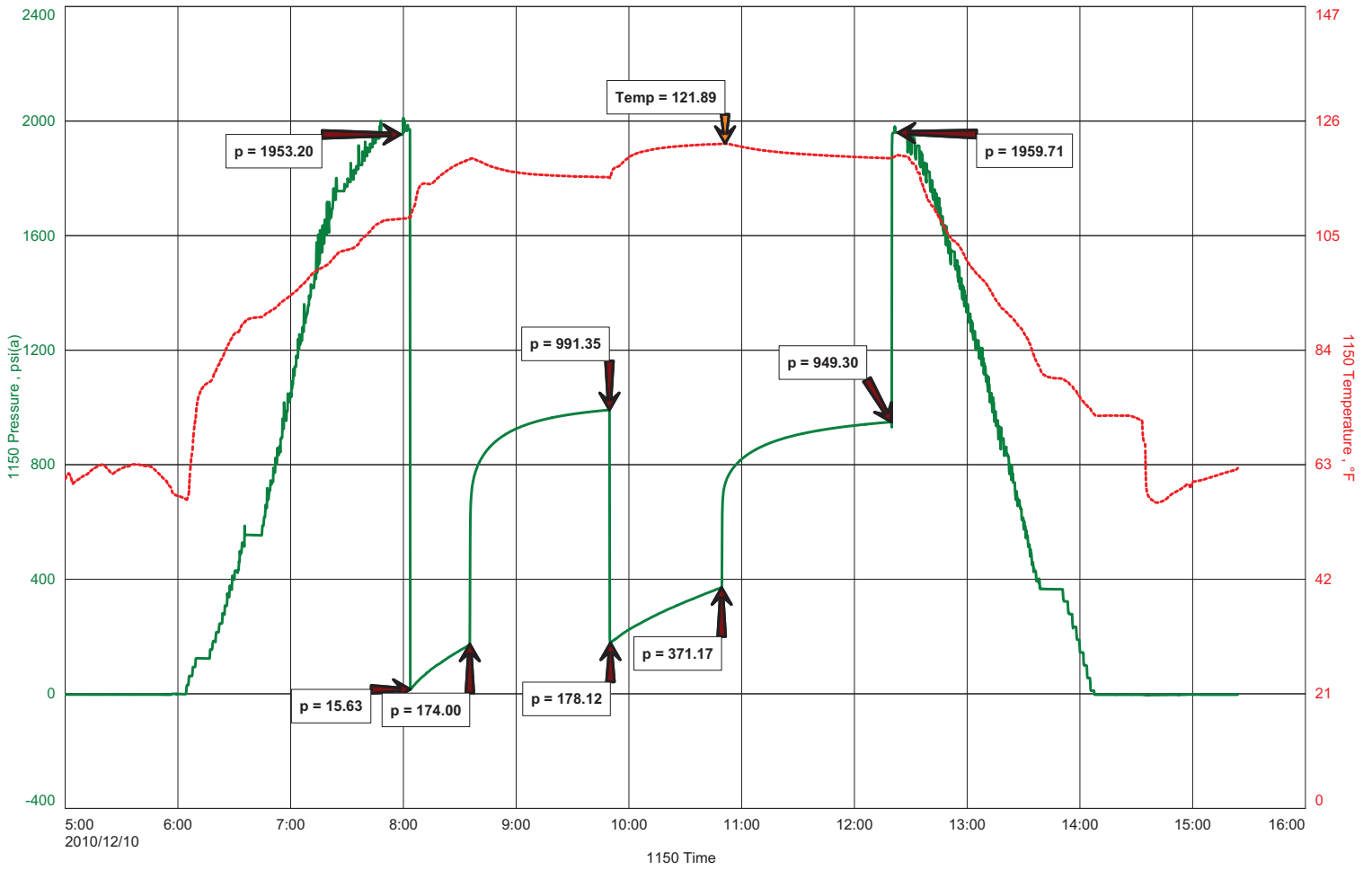
TOOL SAMPLE: 100% WTR - GOOD OIL SPECKS & ODOR

CHLORIDES: 39,000 Ppm  
PH: 7.0  
RW: .22 @ 58 deg

MID-CONTINENT OPERATING CO.  
DST #1 LANS 70'-90' 4,030' - 4,075'  
Start Test Date: 2010/12/10  
Final Test Date: 2010/12/10

JAMES #1-15  
Formation: DST #1 LANS 70'-90' 4,030' - 4,075'

# JAMES #1-15





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313

CLOCK ON: 05:00  
CLOCK OFF: 15:24

**DRILL -STEM TEST TICKET**

Company MID-CONTINENT OPERATING CO. Lease & Well No. JAMES #1-15  
Contractor VAL RIG #4 Charge to MID-CONTINENT OPERATING CO.  
Elevation \_\_\_\_\_ Formation LANSING 70'-90' Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 12.10.10 Sec. 15 Twp. \_\_\_\_\_ 18 S Range 29 W County LANE State KANSAS  
Test Approved By KEVIN KESSLER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 4,030 ft. to 4,075 ft. Total Depth 4,075 ft.  
Packer Depth 4,025 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,030 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4,018 ft. Recorder Number 1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,072 ft. Recorder Number 3851 Cap. 5,700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 1,900 P.P.M. Drill Pipe Length 4,004 ft. I.D. 3 1/2 in.  
Jars: Make BOWEN Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 45 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: FAIR 1" BLOW INCREASING TO BOTTOM OF BUCKET IN 8 1/4 MIN (NObb)  
2nd Open: WEAK SURFACE BLOW INCREASING TO BOTTOM OF BUCKET IN 11 1/2 MIN (NObb)

Recovered 176 ft. of WM 28% WTR, 72% MUD  
Recovered 248 ft. of MW 61% WTR, 34% MUD  
Recovered 372 ft. of SW 100% WTR

Recovered <u>796</u> ft. of <u>TOTAL FLUID</u>	<u>CHLORIDES: 39,000 Ppm</u>	Price Job
Recovered _____ ft. of _____	<u>PH: 7.0</u>	Other Charges
Remarks: _____	<u>RW: .22 @ 58 deg</u>	Insurance
<u>TOOL SAMPLE: 100% SW WITH GOOD OIL SPECKS &amp; ODOR</u>		Total

Time Set Packer(s) 8:04 A.M. A.M. P.M. Time Started Off Bottom 12:19 P.M. A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure ..... (A) 1,953 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 16 P.S.I. to (C) 174 P.S.I.  
Initial Closed In Period ..... Minutes 75 (D) 991 P.S.I.  
Final Flow Period ..... Minutes 60 (E) 178 P.S.I. to (F) 371 P.S.I.  
Final Closed In Period ..... Minutes 90 (G) 949 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1,960 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.