

# Diamond Testing

## General information Report

### General Information

Company Name MID-CONTINENT OPERATION CO.

Contact	RICHARD SAENZ	Job Number	
Well Name	JAMES #1-15	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #5 JOHNSON 4,490' - 4,565'	Well Operator	MID-CONTINENT OPERATING CO.
Surface Location	SEC 15-18S-29W LANE COUNTY, KS	Report Date	2010/12/15
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL TEST		
Formation	DST #5 JOHNSON 4,490' - 4,565'		
Well Fluid Type	01 Oil	Start Test Time	19:30:00
		Final Test Time	04:46:00
Start Test Date	2010/12/14		
Final Test Date	2010/12/15		
Gauge Name	1150		
Gauge Serial Number			

### Test Results

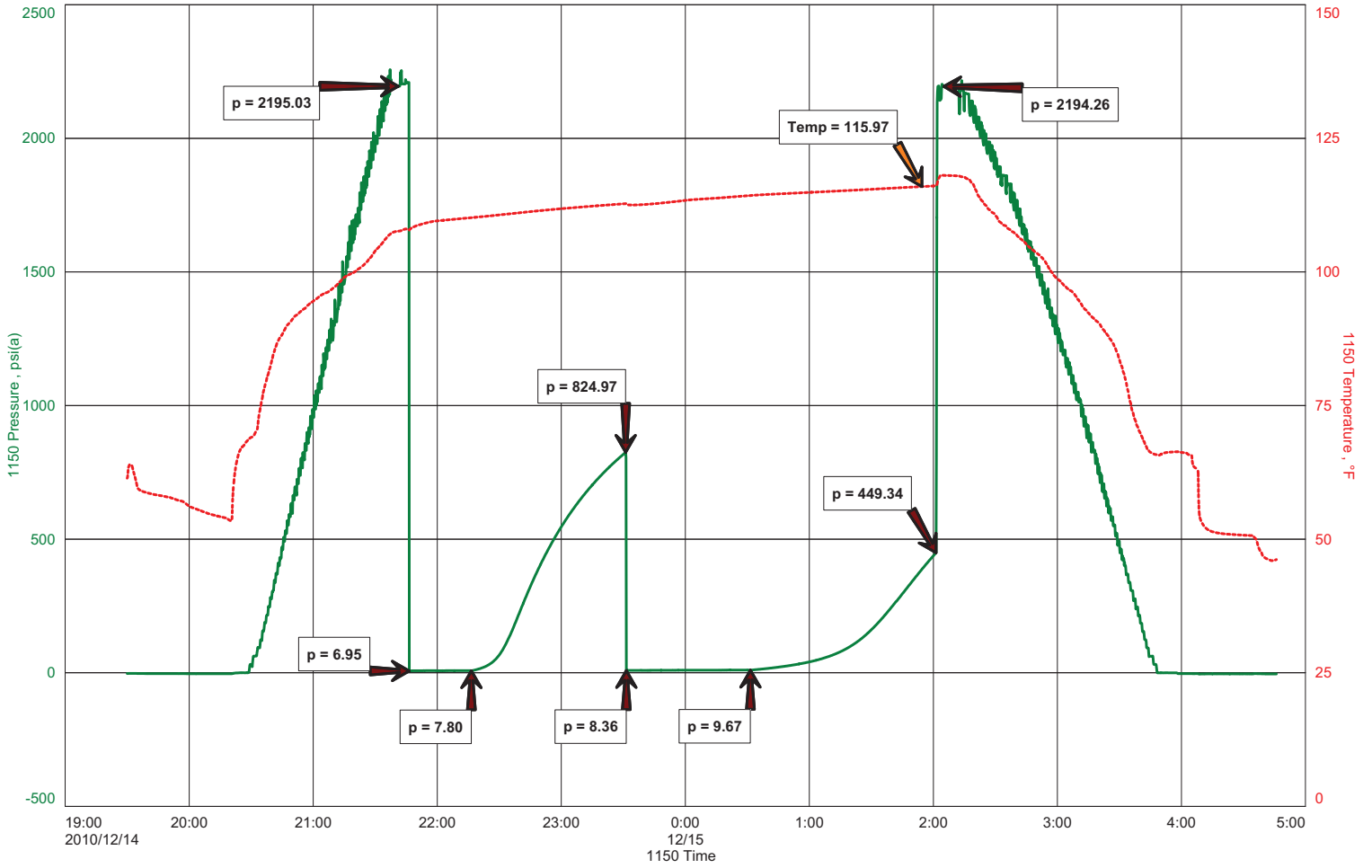
RECOVERED: 7' VSOCDM 2% OIL, 98% MUD - GOOD FREE OIL ON TOP

TOOL SAMPLE: 4% OIL, 96% MUD

MID-CONTINENT OPERATION CO.  
DST #5 JOHNSON 4,490' - 4,565'  
Start Test Date: 2010/12/14  
Final Test Date: 2010/12/15

JAMES #1-15  
Formation: DST #5 JOHNSON 4,490' - 4,565'

### JAMES #1-15





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

CLOCK ON: 19:30  
CLOCK OFF: 04:46(12.15)

**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 2,805' KB Formation JOHNSON Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 12.14.10 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. 5 Interval Tested from 4,490 ft. to 4,565 ft. Total Depth 4,565 ft.  
Packer Depth 4,485 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,490 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4,478 ft. Recorder Number 1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,562 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 9.4 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,000 P.P.M. Drill Pipe Length 4,464 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 75 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO 1 1/4" (NObb)  
2nd Open: NO BLOW (NObb)

Recovered 7 ft. of VSOSDM 2% OIL, 98% MUD - GOOD FREE OIL ON TOP

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: 4% OIL, 96% MUD

Time Set Packer(s) 9:46 P.M. A.M. P.M. Time Started Off Bottom 2:01 A.M. A.M. P.M. Maximum Temperature 116

Initial Hydrostatic Pressure ..... (A) 2,195 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 8 P.S.I.  
Initial Closed In Period ..... Minutes 75 (D) 825 P.S.I.  
Final Flow Period ..... Minutes 60 (E) 8 P.S.I. to (F) 10 P.S.I.  
Final Closed In Period ..... Minutes 90 (G) 449 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2,194 P.S.I.

Price Job
Other Charges
Insurance
Total

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.