

# Diamond Testing

## General information Report

### General Information

**Company Name** MID-CONTINENT OPERATING COMPANY

**Contact** RICHARD SAENZ

**Well Name** ZWEYGARDT #1-8

**Unique Well ID** DST #2 LKC 'H-J' 4,608' - 4,690'

**Surface Location** SEC 8-3S-41W CHEYENNE COUNTY, KS

**Well License Number**

**Field**

**Well Type**

RICHARD SAENZ

ZWEYGARDT #1-8

DST #2 LKC 'H-J' 4,608' - 4,690'

SEC 8-3S-41W CHEYENNE COUNTY, KS

WILDCAT

Vertical

**Job Number**

**Representative**

**Well Operator**

**Report Date**

**Prepared By**

ROGER D. FRIEDLY

MID-CONTINENT OPERATING COMPANY

2011/01/09

ROGER D. FRIEDLY

**Test Type** CONVENTIONAL DRILL-STEM TEST

**Formation** DST #2 LKIC 'H-J' 4,609' - 4,690'

**Well Fluid Type** 06 Water

**Start Test Date** 2011/01/09

**Final Test Date** 2011/01/09

**Gauge Name** 1150

**Gauge Serial Number**

**Start Test Time**

**Final Test Time**

12:55:00

21:54:00

### Test Results

RECOVERED: 25' DM 100% MUD - FEW OIL SPECKS  
63' WM 30% WTR, 70% MUD - FEW OIL SPECKS  
124' WM 36% WTR, 64% MUD - FEW OIL SPECKS  
212' TOTAL FLUID

TOOL SAMPLE: 2% OIL, 34% WTR, 64% MUD

CHLORIDES: 17,000 Ppm

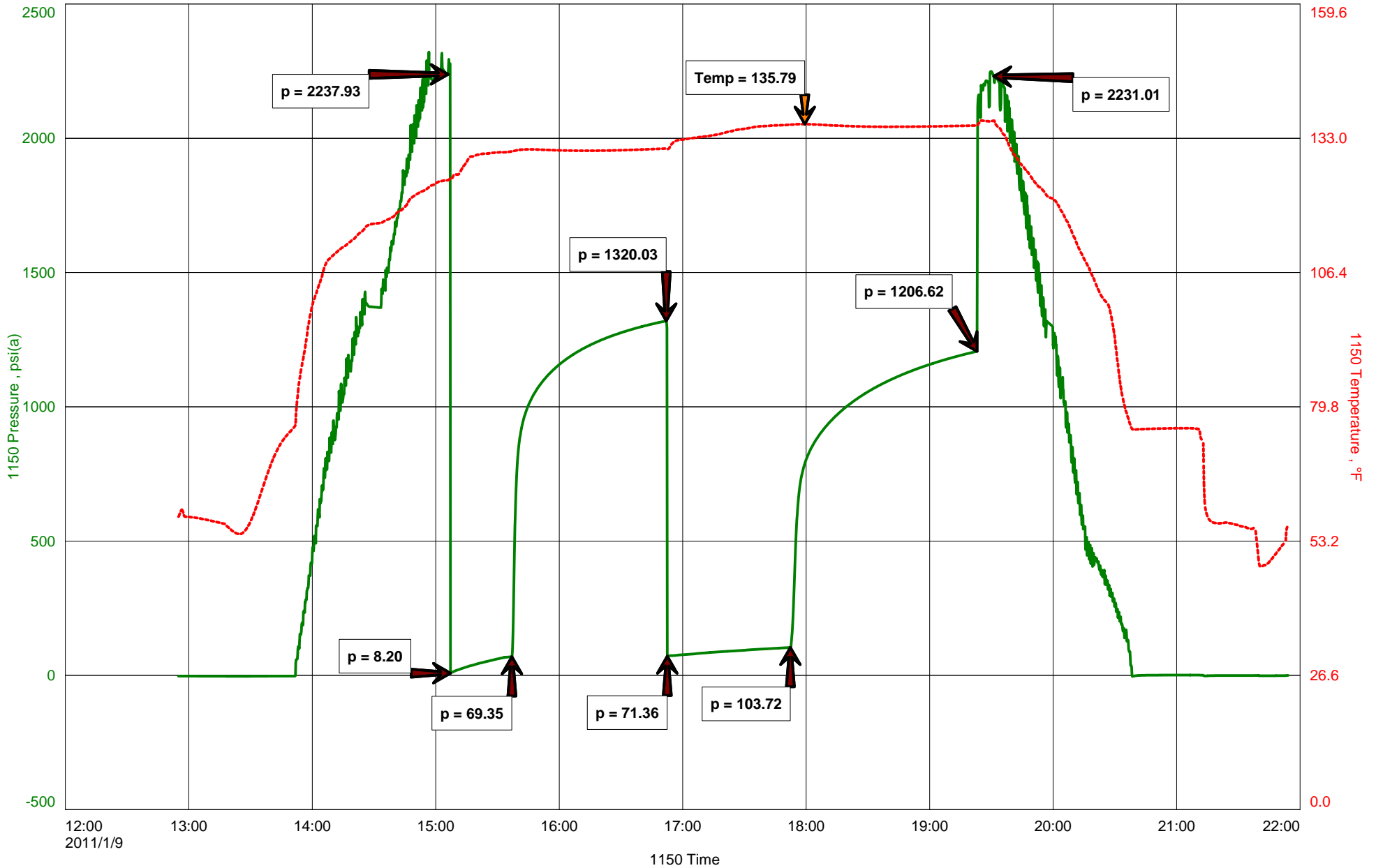
PH: 7.5

RW: .50 % 50 deg.

MID-CONTINENT OPERATING COMPANY  
DST #2 LKC 'H-J' 4,608' - 4,690'  
Start Test Date: 2011/01/09  
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ZWEYGARDT #1-8  
Formation: DST #2 LKIC 'H-J' 4,609' - 4,690'  
Pool: WILDCAT

# ZWEYGARDT #1-8





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

**DRILL -STEM TEST TICKET**

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State KANSAS  
Test Approved By \_\_\_\_\_ Diamond Representative ROGER D. FRIEDLY

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make BOWEN Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

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

Remarks: _____ _____	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) \_\_\_\_\_ A.M. \_\_\_\_\_ P.M. Time Started Off Bottom \_\_\_\_\_ A.M. \_\_\_\_\_ P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure ..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period ..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period ..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period ..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period ..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure ..... (H) \_\_\_\_\_ 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.