

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** FALCON EXPLORATION, INC.  
**Contact** JASON MITCHELL  
**Well Name** JAMES KOEHN #3-31 (NW)  
**Unique Well ID** DST #1, MORROW, 5119-5170  
**Surface Location** SEC 31-28S-30W, GRAY CO. KS.  
**Field** LONG KNIFE  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #1, MORROW, 5119-5170  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** FALCON EXPLORATION, INC.  
**Report Date** 2014/02/01  
**Prepared By** TIM VENTERS  
**Qualified By** DAVE WILLIAMS

**Start Test Date** 2014/01/31  
**Final Test Date** 2014/02/01

**Start Test Time** 19:23:00  
**Final Test Time** 09:26:00

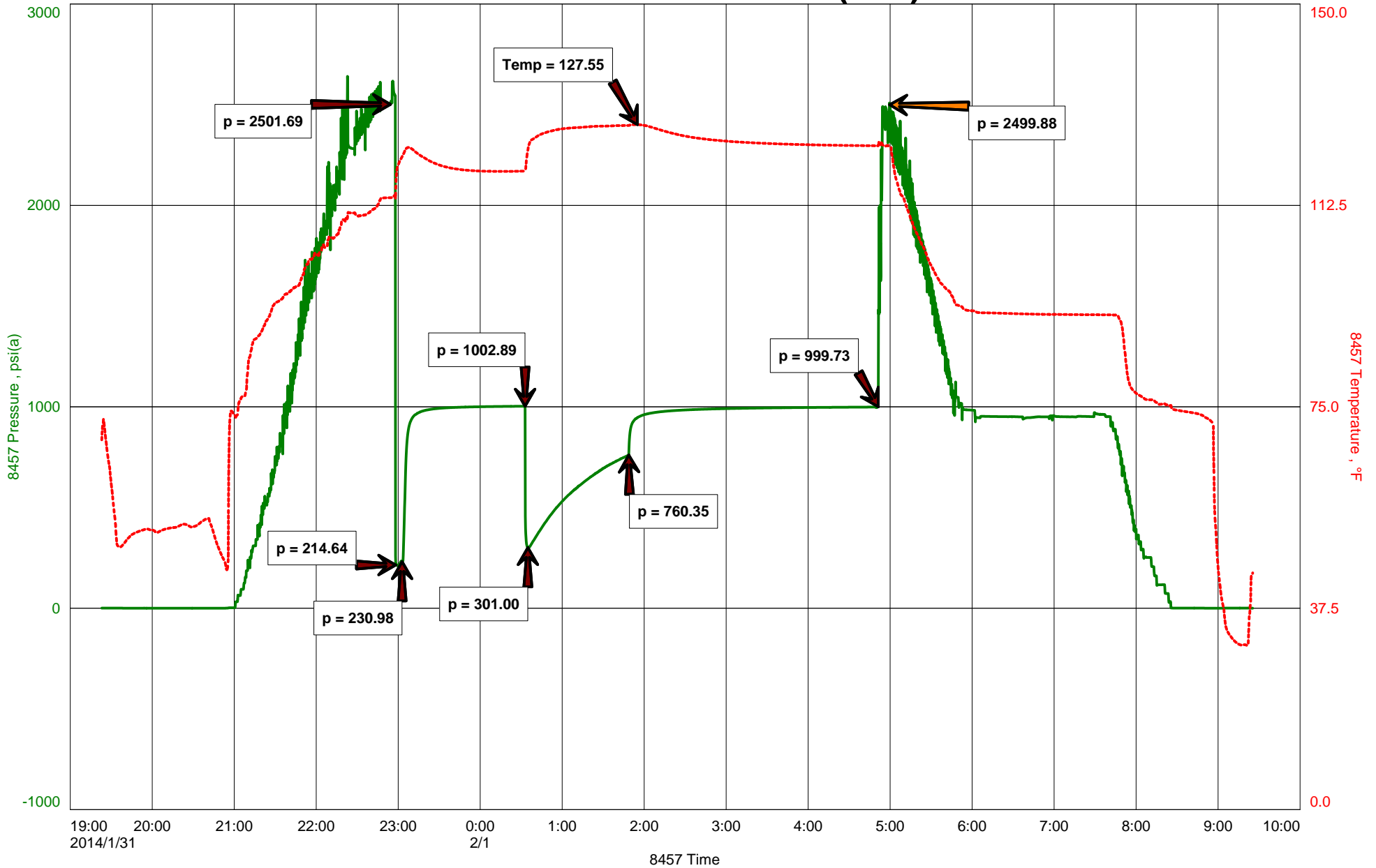
### Test Recovery:

#### RECOVERED: 3165' GAS IN PIPE

600' GO, 21% GAS, 79% OIL, GRAVITY: 25  
540' G,HMCO, 7% GAS, 58% OIL, 35% MUD  
100' SOCM, 16% OIL, 84% MUD  
670' G,SMCO, 15% GAS, 76% OIL, 9% MUD  
1910' TOTAL FLUID

TOOL SAMPLE: 50% OIL, 50% MUD

# JAMES KOEHN #3-31 (NW)





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

TIME ON: 19:23 1-31-14  
 TIME OFF: 09:26 2-1-14

**DRILL-STEM TEST TICKET**  
 FILE: JAMESKOEHN3-31NWDST1

Company FALCON EXPLORATION, INC. Lease & Well No. JAMES KOEHN #3-31 (NW)  
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.  
 Elevation 2838 KB Formation MORROW Effective Pay \_\_\_\_\_ Ft. Ticket No. T308  
 Date 1-31-14 Sec. 31 Twp. \_\_\_\_\_ 28 S Range \_\_\_\_\_ 30 W County GRAY State KANSAS  
 Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 5119 ft. to 5170 ft. Total Depth 5170 ft.  
 Packer Depth 5114 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 5119 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) 5100 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
 Bottom Recorder Depth (Outside) 5167 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.35 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 1,500 P.P.M. Drill Pipe Length 5086 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out YES Anchor Length 20 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>31' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG 4 INCH BLOW, BUILDING, REACHING BOB 45 SEC. (BOB BB)  
 2nd Open: STRONG 6 INCH BLOW, BUILDING, REACHING BOB 1 MIN. (BOB BB)

Recovered <u>3165</u> ft. of <u>GAS IN PIPD</u>	
Recovered <u>600</u> ft. of <u>GO, 21% GAS, 79% OIL, GRAVITY: 25</u>	
Recovered <u>540</u> ft. of <u>G,HMCO, 7% GAS, 58% OIL, 35% MUD</u>	
Recovered <u>100</u> ft. of <u>SOCM, 16% OIL, 84% MUD</u>	
Recovered <u>670</u> ft. of <u>G,SMCO, 15% GAS, 76% OIL, 9% MUD</u>	Price Job
Recovered <u>1910</u> ft. of <u>TOTAL FLUID</u>	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>50% OIL, 50% MUD</u>	Total

Time Set Packer(s) 10:57 PM A.M. P.M. Time Started Off Bottom 4:47 AM A.M. P.M. Maximum Temperature 128 deg.  
 Initial Hydrostatic Pressure..... (A) 2502 P.S.I.  
 Initial Flow Period..... Minutes 5 (B) 215 P.S.I. to (C) 231 P.S.I.  
 Initial Closed In Period..... Minutes 90 (D) 1003 P.S.I.  
 Final Flow Period..... Minutes 75 (E) 301 P.S.I. to (F) 760 P.S.I.  
 Final Closed In Period..... Minutes 180 (G) 1000 P.S.I.  
 Final Hydrostatic Pressure..... (H) 2500 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.