



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Vincent Oil Corp.  
 155 N. Market, Ste. 700  
 Wichita Ks. 67202  
 ATTN: Ken LeBlanc

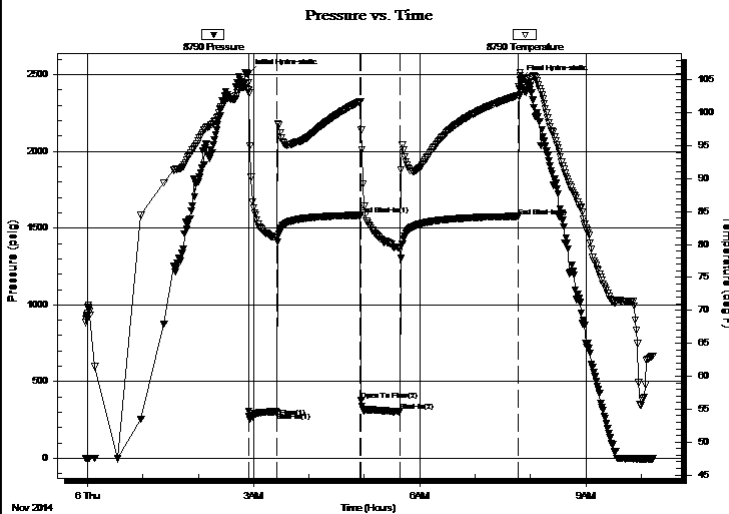
**21-28s-23w Ford Ks**  
**Malone #4-21**  
 Job Ticket: 59922 **DST#: 3**  
 Test Start: 2014.11.05 @ 23:57:51

## GENERAL INFORMATION:

Formation: **Miss. Dolomite**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 02:55:06 Tester: Ryan Reynolds  
 Time Test Ended: 10:13:21 Unit No: 68  
 Interval: **5086.00 ft (KB) To 5100.00 ft (KB) (TVD)** Reference Elevations: 2443.00 ft (KB)  
 Total Depth: 5100.00 ft (KB) (TVD) 2431.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

**Serial #: 8790 Inside**  
 Press@RunDepth: 305.36 psig @ 5087.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.11.05 End Date: 2014.11.06 Last Calib.: 2014.11.06  
 Start Time: 23:57:56 End Time: 10:13:21 Time On Btm: 2014.11.06 @ 02:54:21  
 Time Off Btm: 2014.11.06 @ 07:48:51

**TEST COMMENT:** IF: Strong blow . BOB immed. GTS @ 2 1/2min.  
 IS: No blow .  
 FF: Strong blow . BOB immed. Gauged gas.  
 FS: No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2507.01	103.42	Initial Hydro-static
1	270.66	102.99	Open To Flow (1)
31	301.95	80.91	Shut-In(1)
122	1583.95	101.71	End Shut-In(1)
123	377.21	97.35	Open To Flow (2)
165	305.36	79.51	Shut-In(2)
292	1576.51	102.61	End Shut-In(2)
295	2467.08	105.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	V SLI OCM trc%o, 99% m	0.14

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	70.00	1327.69
Last Gas Rate	0.75	90.00	1640.09
Max. Gas Rate	0.75	90.00	1640.09



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**FLUID SUMMARY**

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**21-28s-23w Ford Ks**

155 N. Market, Ste. 700  
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**Malone #4-21**

Job Ticket: 59922

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

7100 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	V SLI OCM trc%o, 99%m	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 1

Num Gas Bombs: 2

Serial #: RR-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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**GAS RATES**

Vincent Oil Corp.

**21-28s-23w Ford Ks**

155 N. Market, Ste. 700  
Wichita Ks. 67202

**Malone #4-21**

Job Ticket: 59922

**DST#: 3**

ATTN: Ken LeBlanc

Test Start: 2014.11.05 @ 23:57:51

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.75	70.00	1327.69
1	10	0.75	70.00	1327.69
1	20	0.75	85.00	1561.99
1	30	0.75	85.00	1561.99
2	10	0.75	85.00	1561.99
2	20	0.75	90.00	1640.09
2	30	0.75	90.00	1640.09
2	40	0.75	90.00	1640.09

### Pressure vs. Time

