



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
 155 N Market STE 700  
 Wichita, Ks. 67202  
 ATTN: Jim Hall

**28-28s-23w Ford, Co. Ks.**

**Frink-Brown 1-28**

Job Ticket: 59804

**DST#: 3**

Test Start: 2015.06.27 @ 06:48:47

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 09:24:17

Time Test Ended: 18:15:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

**Interval: 5113.00 ft (KB) To 5146.00 ft (KB) (TVD)**

Reference Elevations: 2476.00 ft (KB)

Total Depth: 5146.00 ft (KB) (TVD)

2463.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 8931 Inside**

Press @ Run Depth: 91.48 psig @ 5114.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.27 End Date: 2015.06.27

Last Calib.: 2015.06.27

Start Time: 06:48:52 End Time: 18:15:17

Time On Btm: 2015.06.27 @ 09:19:32

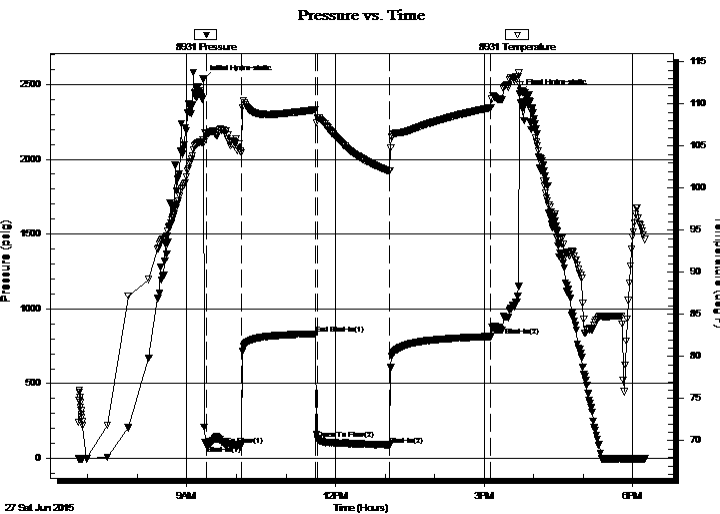
Time Off Btm: 2015.06.27 @ 15:43:17

**TEST COMMENT:** IF: Strong blow . B.O.B. in 30 secs. G.T.S. in 15 mins. Gauged gas, see gas report.

IS: No blow . Bled off in 20 mins.

FF: Strong blow . B.O.B. & G.T.S. immediately. Gauged gas, see gas report.

FS: No blow . Bled off in 20 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2535.09	105.79	Initial Hydro-static
5	88.15	106.42	Open To Flow (1)
47	88.13	104.17	Shut-In(1)
137	832.48	109.32	End Shut-In(1)
139	130.19	108.37	Open To Flow (2)
227	91.48	102.02	Shut-In(2)
349	815.81	109.56	End Shut-In(2)
384	2438.22	112.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GM 2%g 98%m	0.30
5.00	Drig Mud 100%m	0.02
0.00	G.T.S. G.I.P. 100%g	0.00

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	28.00	662.28
Last Gas Rate	0.75	11.00	396.74
Max. Gas Rate	0.75	28.00	662.28



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**FLUID SUMMARY**

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Test Start: 2015.06.27 @ 06:48:47

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 61.00 sec/qt  
Water Loss: 9.19 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 8000.00 ppm  
Filter Cake: 0.20 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 8000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GM 2%g 98%m	0.295
5.00	Drig Mud 100%m	0.025
0.00	G.T.S. G.I.P. 100%g	0.000

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #: MAS Pratt

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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## DRILL STEM TEST REPORT

**GAS RATES**

Vincent Oil Corporation

**28-28s-23w Ford, Co. Ks.**

155 N Market STE 700  
Wichita, Ks. 67202

**Frink-Brown 1-28**

Job Ticket: 59804

**DST#: 3**

ATTN: Jim Hall

Test Start: 2015.06.27 @ 06:48:47

### 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	20	0.75	28.00	662.28
1	30	0.75	13.00	427.98
1	40	0.75	11.00	396.74
1	45	0.75	10.00	381.12
2	10	0.75	14.00	443.60
2	20	0.75	13.00	427.98
2	30	0.75	12.00	412.36
2	40	0.75	12.00	412.36
2	50	0.75	11.00	396.74
2	60	0.75	11.00	396.74
2	70	0.75	11.00	396.74
2	80	0.75	11.00	396.74
2	90	0.75	11.00	396.74

Serial #: 8931

Inside

Vincent Oil Corporation

Frink-Brown 1-28

DST Test Number: 3

### Pressure vs. Time

