



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
 155 N Market STE 700  
 Wichita, Ks. 67202  
 ATTN: Tom Dudgeon

**34-28s-23w Ford, Co. Ks.**

**Keough #4-34**

Job Ticket: 59801

**DST#: 4**

Test Start: 2015.06.11 @ 19:33:11

## GENERAL INFORMATION:

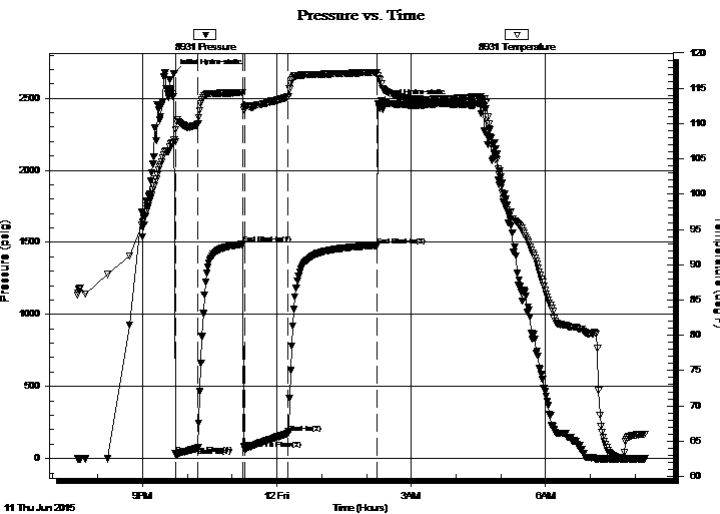
Formation: **Mississippi**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 21:44:26  
 Time Test Ended: 08:12:56  
 Interval: **5239.00 ft (KB) To 5255.00 ft (KB) (TVD)**  
 Total Depth: 5255.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Matt Smith  
 Unit No: 53  
 Reference Elevations: 2535.00 ft (KB)  
 2522.00 ft (CF)  
 KB to GR/CF: 13.00 ft

## Serial #: 8931

Inside

Press@RunDepth: 175.22 psig @ 5240.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.06.11 End Date: 2015.06.12 Last Calib.: 2015.06.12  
 Start Time: 19:33:16 End Time: 08:12:56 Time On Btm: 2015.06.11 @ 21:42:26  
 Time Off Btm: 2015.06.12 @ 02:15:26

TEST COMMENT: IF: Strong blow .B.O.B. in 2 mins.  
 IS: No blow . G.T.S., in 7 mins. Bled off in 13 mins.  
 FF: Strong blow . B.O.B. & G.T.S., immediate. Gauged gas, see gas report.  
 FS: Fair blow . Surf., - 8". Blow back started ater 32 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2671.74	107.65	Initial Hydro-static
2	27.93	109.10	Open To Flow (1)
32	74.82	110.04	Shut-In(1)
93	1486.02	114.41	End Shut-In(1)
95	61.03	112.30	Open To Flow (2)
153	175.22	113.81	Shut-In(2)
272	1479.07	117.25	End Shut-In(2)
273	2460.21	116.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCMG 12%o 40%m 48%g	0.30
60.00	OMG 10%o 35%m 55%g	0.30
60.00	OMG 20%o 35%m 45%g	0.33
64.00	MGO 10%m 30%g 60%o	0.90
138.00	Clean Oil 100%o	1.94
0.00	G.I.P. G.T.S. 100%g	0.00

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	8.00	8.38
Last Gas Rate	0.13	36.00	18.86
Max. Gas Rate	0.13	36.00	18.86



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**34-28s-23w Ford, Co. Ks.**

155 N Market STE 700  
Wichita, Ks. 67202

**Keough #4-34**

Job Ticket: 59801

**DST#: 4**

ATTN: Tom Dudgeon

Test Start: 2015.06.11 @ 19:33:11

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 47.00 sec/qt  
Water Loss: 11.59 in<sup>3</sup>  
Resistivity: 8500.00 ohm.m  
Salinity: 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: 8500 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCMG 12%o 40%m 48%g	0.295
60.00	OMG 10%o 35%m 55%g	0.295
60.00	OMG 20%o 35%m 45%g	0.332
64.00	MGO 10%m 30%g 60%o	0.898
138.00	Clean Oil 100%o	1.936
0.00	G.I.P. G.T.S. 100%g	0.000
0.00	Gravity 38.5 @ 60 API	0.000

Total Length: 382.00 ft      Total Volume: 3.756 bbl

Num Fluid Samples: 1      Num Gas Bombs: 3      Serial #: MAS Pratt

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments: Gravity was 39 @ 65 degrees corrected to 38.5 @ 60 degrees.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Vincent Oil Corporation

**34-28s-23w Ford, Co. Ks.**

155 N Market STE 700  
Wichita, Ks. 67202

**Keough #4-34**

Job Ticket: 59801

**DST#: 4**

ATTN: Tom Dudgeon

Test Start: 2015.06.11 @ 19:33:11

### 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)
2	10	0.13	8.00	8.38
2	20	0.13	13.00	10.26
2	30	0.13	19.00	12.50
2	40	0.13	25.00	14.75
2	50	0.13	30.00	16.62
2	60	0.13	36.00	18.86

Serial #: 8931

Inside

Vincent Oil Corporation

Keough #4-34

DST Test Number: 4

