



**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: 59923 **DST#: 4**
Test Start: 2014.11.06 @ 23:06:28

GENERAL INFORMATION:

Formation: **Miss. Dolo.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:36:58
Time Test Ended: 09:47:43
Interval: **5118.00 ft (KB) To 5130.00 ft (KB) (TVD)**
Total Depth: 5130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 68
Reference Elevations: 2443.00 ft (KB)
2431.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8790

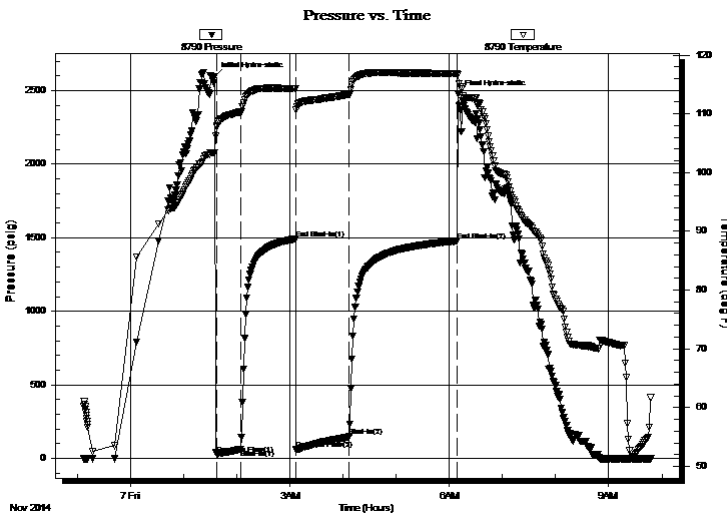
Inside

Press@RunDepth: 148.51 psig @ 5119.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.11.06 End Date: 2014.11.07 Last Calib.: 2014.11.07
Start Time: 23:06:33 End Time: 09:47:43 Time On Btm: 2014.11.07 @ 01:34:43
Time Off Btm: 2014.11.07 @ 06:09:43

TEST COMMENT: IF: Strong blow . BOB @ 1min.
IS: GTS 2min. into. Weak surf. BB
FF: Strong blow . BOB immed. Gauged gas.
FS: Strong 10" BB.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2594.43	103.40	Initial Hydro-static
3	31.39	107.70	Open To Flow (1)
30	63.37	110.28	Shut-In(1)
92	1491.77	114.24	End Shut-In(1)
92	59.55	110.69	Open To Flow (2)
152	148.51	113.30	Shut-In(2)
274	1477.90	116.88	End Shut-In(2)
275	2475.58	116.67	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
2.00	Clean water 100%w	0.03
65.00	MWGCO 6% m, 8% w, 24% o, 64% g	0.91
63.00	MGWCO 8% m, 11% g, 17% w, 64% o	0.88
170.00	Clean Gassy Oil 15% g, 85% o (39 grav)	2.38

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.49
Last Gas Rate	0.13	22.00	13.85
Max. Gas Rate	0.13	22.00	13.85



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FLUID SUMMARY

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Malone #4-21

Job Ticket: 59923

DST#: 4

ATTN: Ken LeBlanc

Test Start: 2014.11.06 @ 23:06:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

57000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
2.00	Clean water 100%w	0.028
65.00	MWGCO 6%m, 8%w, 24%o, 64%g	0.912
63.00	MGWCO 8%m, 11%g, 17%w, 64%o	0.884
170.00	Clean Gassy Oil 15%g, 85%o (39grav)	2.385

Total Length: 300.00 ft

Total Volume: 4.209 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: RR-1

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: 59923

DST#: 4

ATTN: Ken LeBlanc

Test Start: 2014.11.06 @ 23:06:28

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	5.00	7.49
2	10	0.13	5.00	7.49
2	20	0.13	11.00	9.73
2	30	0.13	15.00	11.23
2	40	0.13	19.00	12.73
2	50	0.13	22.00	13.85

