



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corp.
155 N. Market Ste. 700
Wichita, KS 67202-1821
ATTN: Tom Dudgeon

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

Brown 2-28

Job Ticket: 59956

DST#: 1

Test Start: 2015.01.01 @ 17:57:22

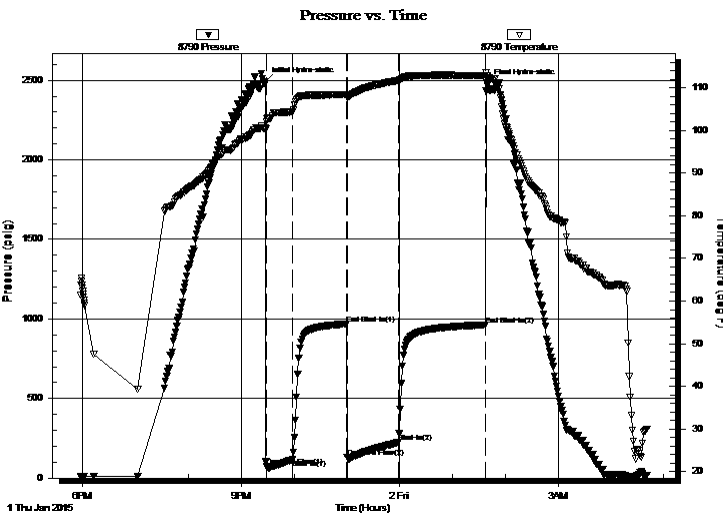
GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 21:28:52
 Time Test Ended: 04:41:22
 Interval: **4975.00 ft (KB) To 5010.00 ft (KB) (TVD)**
 Total Depth: 5010.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ryan Reynolds
 Unit No: 68
 Reference Elevations: 2483.00 ft (KB)
 2473.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8790

Press @ Run Depth: 224.81 psig @ 4976.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.01 End Date: 2015.01.02 Last Calib.: 2015.01.02
 Start Time: 17:57:27 End Time: 04:41:22 Time On Btm: 2015.01.01 @ 21:27:37
 Time Off Btm: 2015.01.02 @ 01:38:52

TEST COMMENT: IF: Strong blow . BOB @ 1min.
 IS: Strong blow . BOB @ 30min. GTS @ 45min. into.
 FF: Strong blow . BOB immed. Gauged Gas.
 FS: Strong blow . BOB throughout.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2491.26	100.51	Initial Hydro-static
2	73.48	102.06	Open To Flow (1)
31	116.26	104.38	Shut-In(1)
92	968.24	108.34	End Shut-In(1)
93	131.87	107.81	Open To Flow (2)
151	224.81	111.70	Shut-In(2)
250	962.59	112.86	End Shut-In(2)
252	2481.48	112.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GMWCO 10% <i>m</i> , 15% <i>w</i> , 30% <i>g</i> , 45% <i>o</i>	1.75
135.00	GMCO 25% <i>o</i> , 35% <i>m</i> , 40% <i>g</i>	1.89
190.00	Clean Oil	2.67

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.00	6.89
Last Gas Rate	0.13	11.00	9.51
Max. Gas Rate	0.13	11.00	9.51



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FLUID SUMMARY

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Test Start: 2015.01.01 @ 17:57:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

56000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8700.00 ppm

Filter Cake: 0.06 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	GMWCO 10%m, 15%w, 30%g, 45%o	1.753
135.00	GMCO 25%o, 35%m, 40%g	1.894
190.00	Clean Oil	2.665

Total Length: 450.00 ft

Total Volume: 6.312 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

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Brown 2-28

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DST#: 1

ATTN: Tom Dudgeon

Test Start: 2015.01.01 @ 17:57:22

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	4.00	6.89
2	20	0.13	6.00	7.63
2	30	0.13	8.00	8.38
2	40	0.13	9.00	8.76
2	50	0.13	10.00	9.13
2	60	0.13	11.00	9.51

