



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

202 W. Main St.
Salem, IL 62881

ATTN: Tim Priest

Frey #2-9

Sec.9 13s32w Logan

Job Ticket: 29683

DST#:4

Test Start: 2007.10.19 @ 12:10:00

GENERAL INFORMATION:

Formation: **KC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:58:00

Time Test Ended: 19:00:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4226.00 ft (KB) To 4258.00 ft (KB) (TVD)

Total Depth: 4258.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3009.00 ft (KB)

2999.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 428.13 psig @ 4233.00 ft (KB)

Start Date: 2007.10.19

End Date:

2007.10.19

Capacity: 7000.00 psig

Last Calib.: 2007.10.19

Start Time: 12:10:01

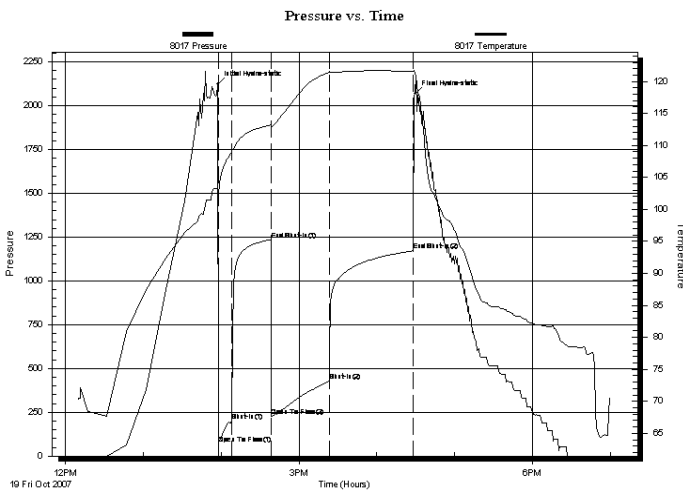
End Time:

19:00:30

Time On Btm: 2007.10.19 @ 13:57:15

Time Off Btm: 2007.10.19 @ 16:29:30

TEST COMMENT: IF: B.O.B. @ 3 min.
ISI: B.O.B. @ 21 min.
FF: B.O.B. @ 3 min.
FSI: B.O.B. @ 8 1/2 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.60	103.23	Initial Hydro-static
1	71.53	102.38	Open To Flow(1)
11	199.46	109.04	Shut-In(1)
41	1236.47	113.22	End Shut-In(1)
42	225.78	112.96	Open To Flow(2)
86	428.13	121.43	Shut-In(2)
151	1172.37	121.54	End Shut-In(2)
153	2067.19	121.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1129.00	GO 65%G 35%O	11.03
32.00	GO 45%G 55%O	0.45

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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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: 0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.58 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1129.00	GO 65%G 35%O	11.027
32.00	GO 45%G 55%O	0.449

Total Length: 1161.00 ft Total Volume: 11.476 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1680 Feet of gas in pipe.

API; 39 @ 80 degrees F = 37

