



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

Frey #2-9

202 W. Main St.
Salem, IL 62881

Sec.9 13s32w Logan

ATTN: Tim Priest

Job Ticket: 29686

DST#: 7

Test Start: 2007.10.21 @ 22:07:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:26:00

Time Test Ended: 05:54:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4530.00 ft (KB) To 4580.00 ft (KB) (TVD)

Reference Elevations: 3009.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

2999.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8017 Inside

Press@RunDepth: 423.17 psig @ 4535.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.10.21

End Date: 2007.10.22

Last Calib.: 2007.10.22

Start Time: 22:07:01

End Time: 05:54:45

Time On Btm: 2007.10.22 @ 00:25:15

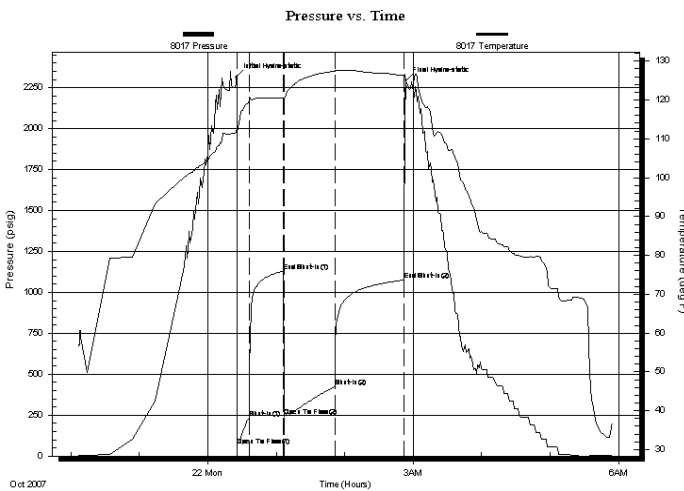
Time Off Btm: 2007.10.22 @ 02:54:00

TEST COMMENT: IF: B.O.B. @ 3 1/2 min.

ISI: Return built to 8 "

FF: B.O.B. @ 3min.

FSI: B.O.B. @ 10 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.96	112.03	Initial Hydro-static
1	65.34	111.51	Open To Flow(1)
11	231.37	119.92	Shut-In(1)
41	1129.33	120.62	End Shut-In(1)
42	244.80	120.27	Open To Flow(2)
86	423.17	127.42	Shut-In(2)
147	1074.60	126.36	End Shut-In(2)
149	2293.54	123.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
528.00	GWOCM 10%G 15%W 15%O 60%M	2.60
490.00	GO 40%G 60%O	6.87

Gas Rates

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



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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 21000ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
528.00	GWOCM 10%G 15%W 15%O 60%M	2.597
490.00	GO 40%G 60%O	6.873

Total Length: 1018.00 ft Total Volume: 9.470 bbl

Num Fluid Samples:0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 200 Feet of gas in pipe.

API; 35 @ 40 degrees F = 37.

