



**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: 29681

**DST#: 2**

Test Start: 2007.10.18 @ 06:30:00

### GENERAL INFORMATION:

Formation: **KC "I"**

Deviated: Nb Whipstock: ft (KB)

Time Tool Opened: 08:20:00

Time Test Ended: 14:44:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

**Interval: 4170.00 ft (KB) To 4200.00 ft (KB) (TVD)**

Total Depth: 4200.00 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: 146.07 psig @ 4175.00 ft (KB)

Start Date: 2007.10.18

End Date: 2007.10.18

Capacity: 7000.00 psig

Last Calib.: 2007.10.18

Start Time: 06:30:01

End Time: 14:44:30

Time On Btm: 2007.10.18 @ 08:19:15

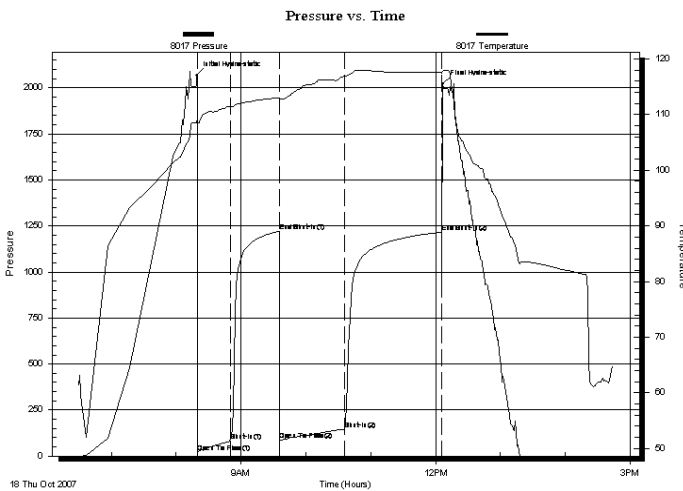
Time Off Btm: 2007.10.18 @ 12:07:00

TEST COMMENT: IF: Blow built to 11".

ISI: Weak return through out.

FF: B.O.B. @ 39 min.

FSI: Weak return died @ 45 min.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.01	108.63	Initial Hydro-static
1	19.41	108.34	Open To Flow(1)
31	79.90	111.44	Shut-In(1)
76	1221.04	113.03	End Shut-In(1)
77	85.13	112.72	Open To Flow(2)
137	146.07	116.90	Shut-In(2)
227	1216.66	117.58	End Shut-In(2)
228	2020.98	117.86	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
185.00	GOCM 45%G 5%O 50%M	0.91
140.00	GMCO 20%G 10%M 70%O	0.69

### 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: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1900.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	GOCM 45%G 5%O 50%M	0.910
140.00	GMCO 20%G 10%M 70%O	0.688

Total Length: 325.00ft      Total Volume: 1.598 bbl

Num Fluid Samples:0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 425 Feet of gas in pipe.

API; 36 @ 60 degrees F = 36.

