



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: 29684

DST#:5

Test Start: 2007.10.20 @ 03:12:00

GENERAL INFORMATION:

Formation: **KC "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:07:00

Time Test Ended: 10:19:00

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4260.00 ft (KB) To 4306.00 ft (KB) (TVD)

Total Depth: 4306.00 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: 342.91 psig @ 4268.00 ft (KB)

Start Date: 2007.10.20

End Date:

2007.10.20

Capacity: 7000.00 psig

Last Calib.: 2007.10.20

Start Time: 03:12:01

End Time:

10:19:00

Time On Btm: 2007.10.20 @ 05:06:00

Time Off Btm: 2007.10.20 @ 07:54:00

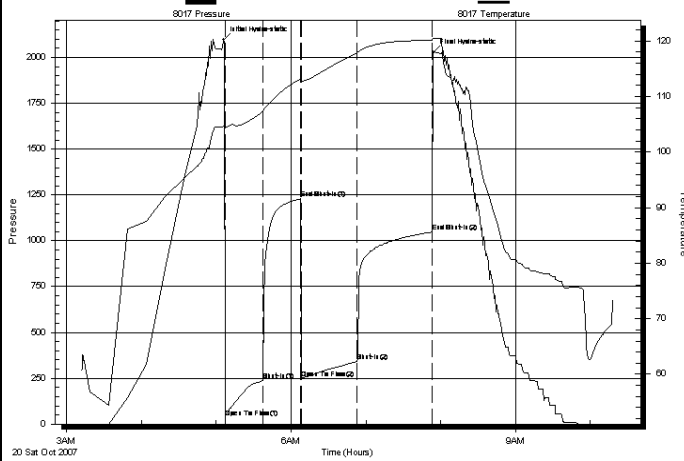
TEST COMMENT: IF: B.O.B. @ 7 1/2 min.

ISI: Return built to 6".

FF: B.O.B. @ 6 min.

FSI: Return built to 6".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.31	104.73	Initial Hydro-static
1	33.52	104.48	Open To Flow(1)
32	238.51	107.39	Shut-In(1)
62	1229.03	113.15	End Shut-In(1)
63	251.22	112.90	Open To Flow(2)
107	342.91	117.84	Shut-In(2)
168	1048.16	120.13	End Shut-In(2)
168	2027.17	120.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
279.00	GMWCO 25%G 10%M 50%O 15%W	1.37
566.00	GO 30%G 70%O	5.67

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: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 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
279.00	GMWCO 25%G 10%M 50%O 15%W	1.372
566.00	GO 30%G 70%O	5.671

Total Length: 845.00ft Total Volume: 7.043 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 760 Feet of gas in pipe.

API; 29 @ 60 degrees F = 29.

