



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc

B Ottley 2-25

202 W. Main
Salem, IL 62881

S25-13-32 Logan, KS

ATTN: Pat Deenihan

Job Ticket: 43141

DST#: 1

Test Start: 2011.06.09 @ 18:16:00

GENERAL INFORMATION:

Formation: **LKC 'B'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:14:40

Time Test Ended: 01:05:09

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 3970.00 ft (KB) To 3993.00 ft (KB) (TVD)

Reference Elevations: 2926.00 ft (KB)

Total Depth: 3993.00 ft (KB) (TVD)

2916.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 1166.33 psig @ 3975.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.09

End Date:

2011.06.10

Last Calib.:

2011.06.10

Start Time: 18:16:02

End Time:

01:05:10

Time On Btm:

2011.06.09 @ 20:12:10

Time Off Btm:

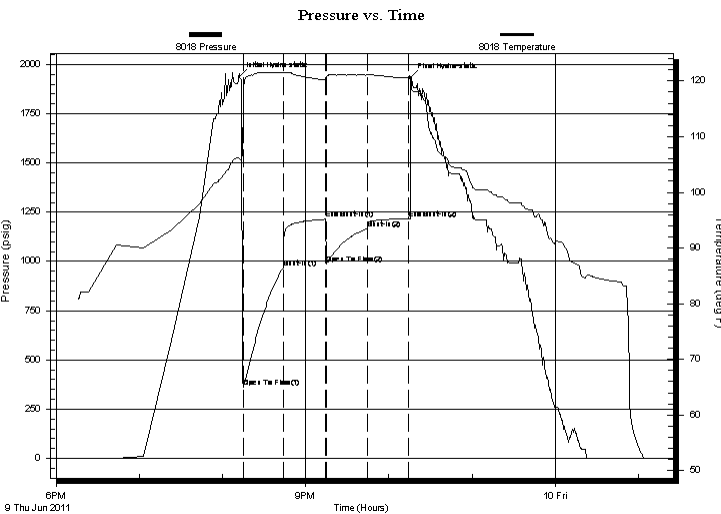
2011.06.09 @ 22:15:30

TEST COMMENT: IF: B.O.B. @ 45 seconds.

IS: No return.

FF: B.O.B. @ 2 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1937.46	106.07	Initial Hydro-static
3	359.95	116.53	Open To Flow (1)
32	967.06	121.49	Shut-In(1)
62	1214.15	120.19	End Shut-In(1)
63	988.23	120.19	Open To Flow (2)
93	1166.33	121.07	Shut-In(2)
122	1217.51	120.52	End Shut-In(2)
124	1934.49	120.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 15m 85w	0.86
2140.00	MW 5m 95w	30.02
310.00	MW 50m 50w	4.35

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Pat Deenihan

Test Start: 2011.06.09 @ 18:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 15m 85w	0.863
2140.00	MW 5m 95w	30.019
310.00	MW 50m 50w	4.348

Total Length: 2570.00 ft Total Volume: 35.230 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .225 @ 55 Degrees F = 40000 PPM

