



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

26-13-34 Logan Co KS

202 W. Main St.
Salem IL 62881

Younk in 1 36

Job Ticket: 49866

DST#: 1

ATTN: Tim Priest

Test Start: 2012.11.05 @ 02:40:15

GENERAL INFORMATION:

Formation: **E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:45

Time Test Ended: 10:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 3876.00 ft (KB) To 3900.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 3900.00 ft (KB) (TVD)

2880.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8365 Outside

Press @ RunDepth: 842.42 psig @ 3877.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.05 End Date: 2012.11.05

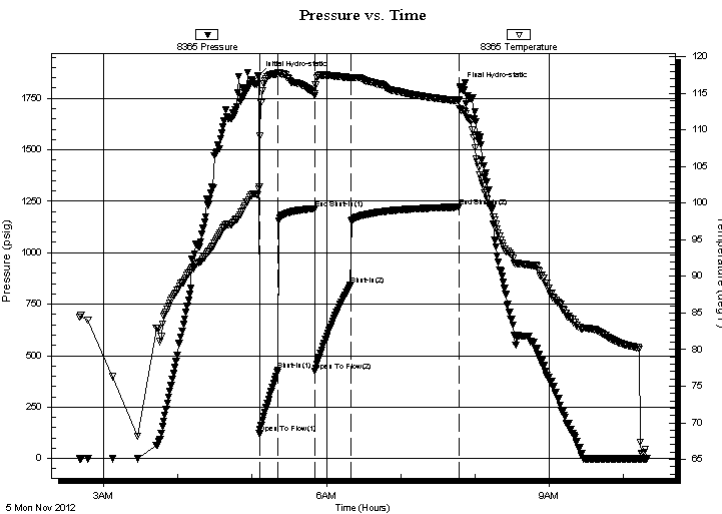
Last Calib.: 2012.11.06

Start Time: 02:40:15 End Time: 10:20:00

Time On Btm: 2012.11.05 @ 05:05:15

Time Off Btm: 2012.11.05 @ 07:48:00

TEST COMMENT: IF:BOB in 2 min.
IS:No return blow
FF:BOB in 2min
FS:NO return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1860.48	101.99	Initial Hydro-static
1	120.95	102.27	Open To Flow (1)
16	428.67	117.65	Shut-In(1)
45	1214.14	114.98	End Shut-In(1)
46	425.66	114.67	Open To Flow (2)
75	842.42	117.15	Shut-In(2)
162	1222.02	113.97	End Shut-In(2)
163	1805.78	112.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	sw cm 20%sw 80%m	3.25
1426.00	sw 100% sw	20.00

Gas Rates

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



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FLUID SUMMARY

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Salem IL 62881

Younkin 1 36

Job Ticket: 49866

DST#: 1

ATTN: Tim Priest

Test Start: 2012.11.05 @ 02:40:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	sw cm 20%sw 80%m	3.246
1426.00	sw 100% sw	20.003

Total Length: 1736.00 ft Total Volume: 23.249 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .325 @ 52.2*=32,000 ppm

Serial #: 8365

Outside Shakespeare Oil Company, Inc

Younkin 1 36

DST Test Number: 1

