



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43281

DST#: 7

Test Start: 2011.08.02 @ 12:15:15

GENERAL INFORMATION:

Formation: **Cherokee/Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:54:30

Time Test Ended: 18:46:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4518.00 ft (KB) To 4608.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4608.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8358 Outside

Press @ Run Depth: 73.77 psig @ 4603.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.02

End Date: 2011.08.02

Last Calib.: 2011.08.02

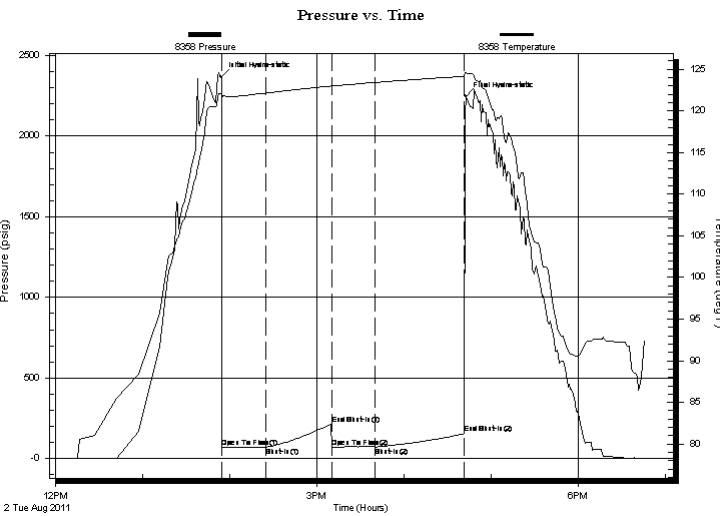
Start Time: 12:15:15

End Time: 18:46:30

Time On Btm: 2011.08.02 @ 13:54:15

Time Off Btm: 2011.08.02 @ 16:42:45

TEST COMMENT: IF-Built to 1"
IS- No Return
FF- No Blow
FF- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.23	122.10	Initial Hydro-static
1	68.83	121.40	Open To Flow (1)
31	72.57	122.16	Shut-In(1)
76	215.46	123.01	End Shut-In(1)
77	72.36	122.97	Open To Flow (2)
106	73.77	123.44	Shut-In(2)
168	154.72	124.16	End Shut-In(2)
169	2247.86	124.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	m	0.12

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:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	m	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

