



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

27-16s-34w Scott Co, KS

202 West Main Street
Salem IL, 62881

Church Of God 2-27

ATTN: Tim Priest

Job Ticket: 57269

DST#: 1

Test Start: 2014.09.14 @ 17:00:00

GENERAL INFORMATION:

Formation: **Marmaton 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:26:00

Time Test Ended: 04:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: 4439.00 ft (KB) To 4490.00 ft (KB) (TVD)

Reference Elevations: 3129.00 ft (KB)

Total Depth: 4490.00 ft (KB) (TVD)

3119.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 218.03 psig @ 4440.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.14

End Date:

2014.09.15

Last Calib.:

2014.09.15

Start Time: 17:00:15

End Time:

04:33:00

Time On Btm:

2014.09.14 @ 22:25:45

Time Off Btm:

2014.09.15 @ 01:41:30

TEST COMMENT:

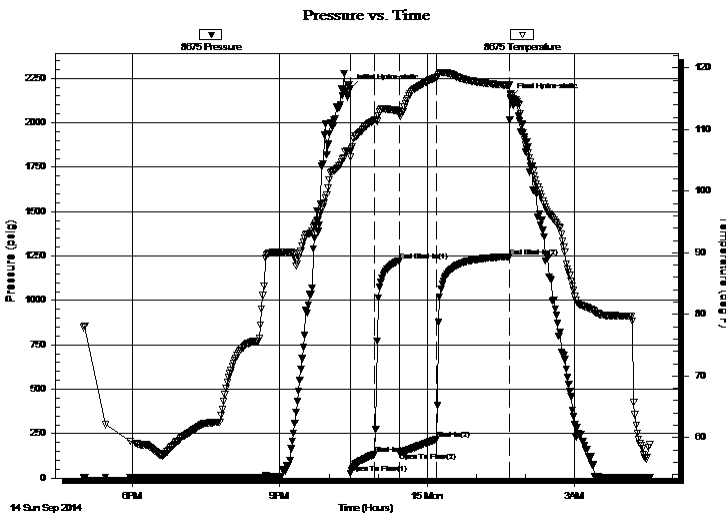
B.O.B. in 17 min.

Bled off for 5 min. Built to 1 1/4" return blow

B.O.B. in 12 min.

Bled off for 5 min. B.O.B. in 42 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.41	106.47	Initial Hydro-static
1	28.07	105.50	Open To Flow (1)
30	135.03	111.60	Shut-In(1)
60	1223.53	113.08	End Shut-In(1)
61	144.39	112.53	Open To Flow (2)
106	218.03	118.48	Shut-In(2)
195	1246.67	117.13	End Shut-In(2)
196	2140.38	115.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	gcom 20%G 20%O 60%M	1.48
244.00	mcco 30%M 30%G 40%O	3.42
203.00	gco 5%G 95%O	2.85
0.00	528 Feet Gas In Pipe	0.00

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	gcom 20%G 20%O 60%M	1.477
244.00	mcgo 30%M 30%G 40%O	3.423
203.00	gco 5%G 95%O	2.848
0.00	528 Feet Gas In Pipe	0.000

Total Length: 633.00 ft

Total Volume: 7.748 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 32 @ 50 F = 33

