



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

17-13-32 Logan, KS

202 w main st
Salem, IL 62881

Campbell 3-17

ATTN: Tim Priest

Job Ticket: 55577

DST#: 7

Test Start: 2013.11.23 @ 20:55:57

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:40:27
 Time Test Ended: 05:47:27
 Interval: **4573.00 ft (KB) To 4610.00 ft (KB) (TVD)**
 Total Depth: 4610.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 3036.00 ft (KB)
 3029.00 ft (CF)
 KB to GR/CF: 7.00 ft

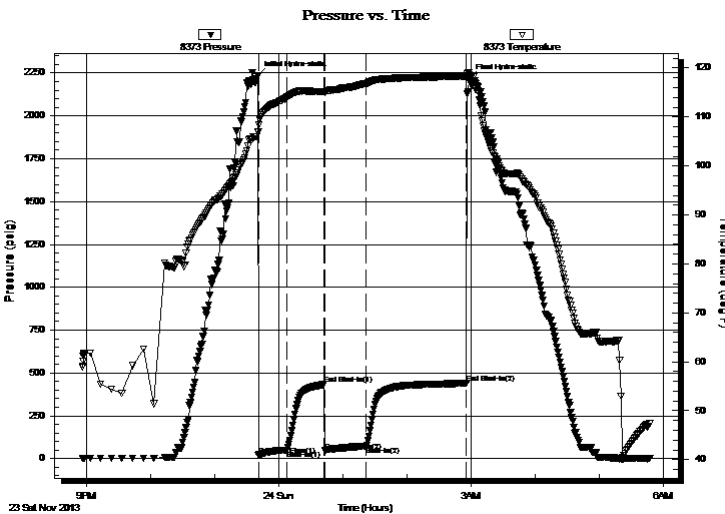
Serial #: 8373

Inside

Press@RunDepth: 72.45 psig @ 4578.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.23 End Date: 2013.11.24 Last Calib.: 2013.11.24
 Start Time: 20:56:02 End Time: 05:47:27 Time On Btm: 2013.11.23 @ 23:39:57
 Time Off Btm: 2013.11.24 @ 02:57:27

TEST COMMENT: IF: 1/4 blow BOB in 12 min.
 IS: Surface blow built to 1.
 FF: BOB in 8 min.
 FS: Surface blow built to 3.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.21	106.98	Initial Hydro-static
1	21.01	106.99	Open To Flow (1)
27	49.01	113.95	Shut-In(1)
62	433.77	115.22	End Shut-In(1)
63	45.21	115.07	Open To Flow (2)
102	72.45	116.82	Shut-In(2)
196	438.92	118.27	End Shut-In(2)
198	2215.60	119.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 30%g 50%o 20%m	0.30
62.00	mcgo 20%g 50%o 30%m	0.35
62.00	mcgo 10%g 60%o 30%m	0.87
	682 GIP	

* Recovery from multiple tests

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mcgo 30%g 50%o 20%m	0.305
62.00	mcgo 20%g 50%o 30%m	0.350
62.00	mcgo 10%g 60%o 30%m	0.870
	682 GIP	

Total Length: 186.00 ft

Total Volume: 1.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

