



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc  
 202 W. Main St.  
 Salem IL 62881  
 ATTN: Tim Priest

**23-17s-33w Scott Co. KS**

**Rudolph #1-23**

Job Ticket: 58679

**DST#: 3**

Test Start: 2014.12.06 @ 13:12:00

## GENERAL INFORMATION:

Formation: **Marmanton " A "**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 17:14:40 Tester: Will MacLean  
 Time Test Ended: 22:33:25 Unit No: 71  
 Interval: **4386.00 ft (KB) To 4420.00 ft (KB) (TVD)** Reference Elevations: 3026.00 ft (KB)  
 Total Depth: 4420.00 ft (KB) (TVD) 3016.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

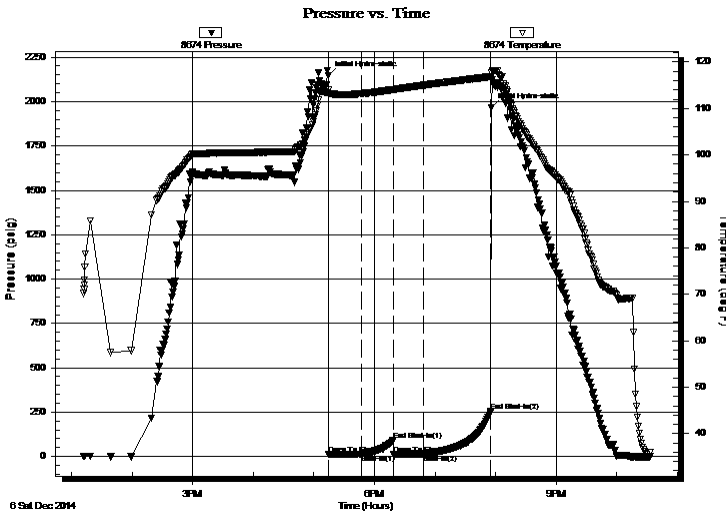
## Serial #: 8674

Inside

Press@RunDepth: 15.41 psig @ 4387.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.06 End Date: 2014.12.06 Last Calib.: 2014.12.06  
 Start Time: 13:12:00 End Time: 22:33:25 Time On Btm: 2014.12.06 @ 17:14:25  
 Time Off Btm: 2014.12.06 @ 19:55:39

TEST COMMENT: IF- Weak Surface Blow 1/4"  
 IS- No Blow  
 FF- No Blow  
 FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.83	113.92	Initial Hydro-static
1	13.09	113.10	Open To Flow (1)
33	13.77	113.18	Shut-In(1)
64	91.31	114.04	End Shut-In(1)
65	14.66	114.01	Open To Flow (2)
95	15.41	115.01	Shut-In(2)
161	255.53	116.87	End Shut-In(2)
162	1966.38	117.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	OCM 36%oil 64%m	0.01

\* 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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	OCM 36%oil 64%m	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

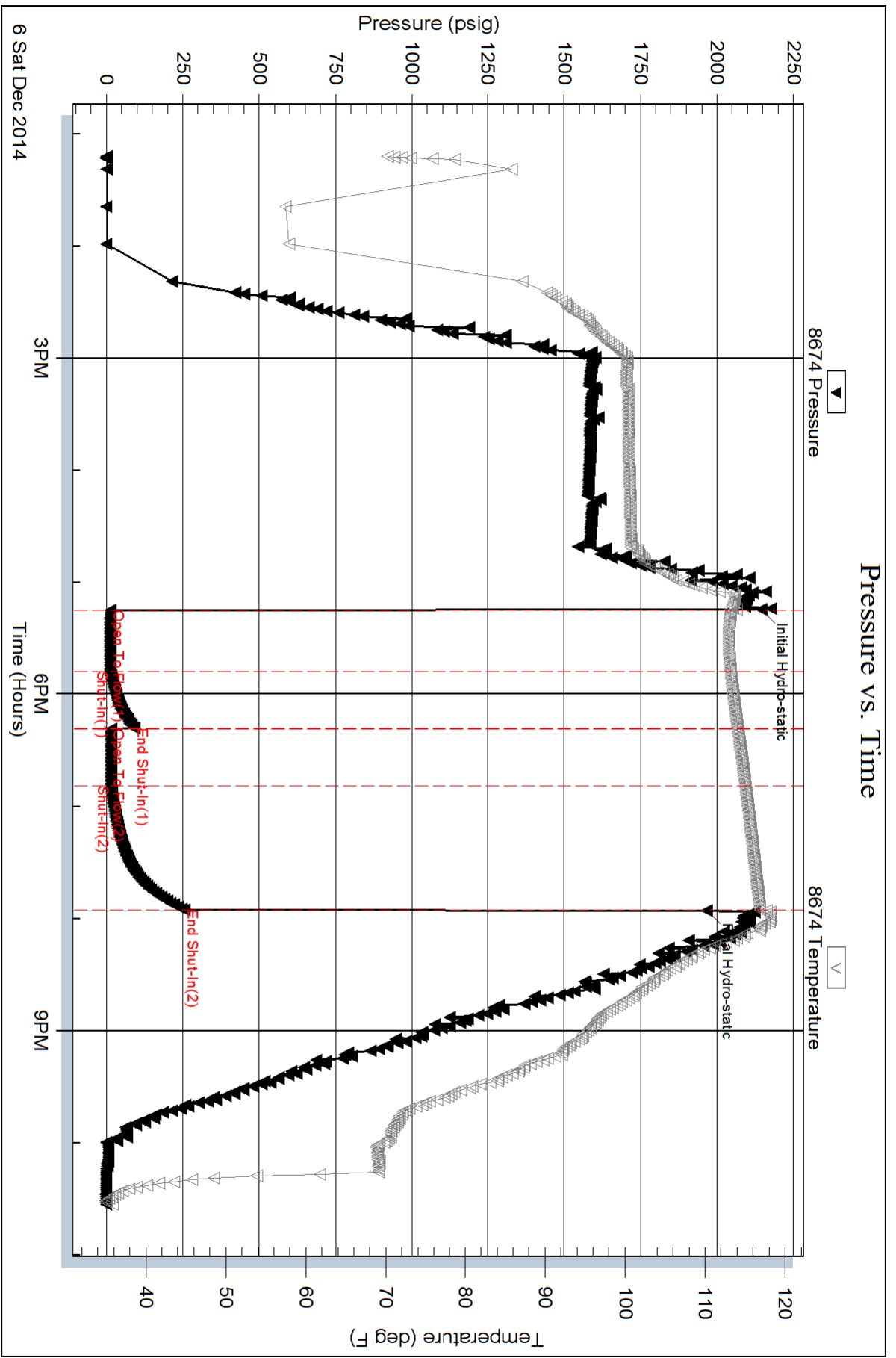
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Inside

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Rudolph #1-23

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 58679

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