



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co.
 202 W Main St.
 Salem, IL 62881
 ATTN: Steve Davis

17-13s-32w-Logan KS

Campbell #2-17

Job Ticket: 48886

DST#: 6

Test Start: 2012.09.09 @ 12:35:00

GENERAL INFORMATION:

Formation: **Johnson Zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:32:15
 Time Test Ended: 19:53:30
 Interval: **4545.00 ft (KB) To 4594.00 ft (KB) (TVD)**
 Total Depth: 4594.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 3037.50 ft (KB)
 3027.00 ft (CF)
 KB to GR/CF: 10.50 ft

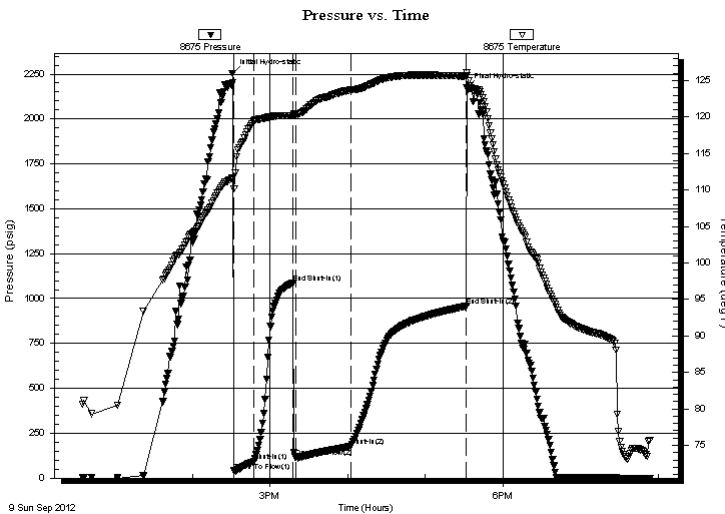
Serial #: 8675

Inside

Press @ Run Depth: 176.69 psig @ 4546.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.09 End Date: 2012.09.09 Last Calib.: 2012.09.09
 Start Time: 12:35:15 End Time: 19:53:30 Time On Btm: 2012.09.09 @ 14:31:00
 Time Off Btm: 2012.09.09 @ 17:32:00

TEST COMMENT: B.O.B. in 11 min
 Bled off for 5 min. No return blow
 B.O.B. in 10 min.
 Bled off for 5 min. Built to 3" return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.11	111.59	Initial Hydro-static
2	40.14	110.20	Open To Flow (1)
17	94.22	119.48	Shut-In(1)
47	1085.08	120.21	End Shut-In(1)
49	114.47	120.37	Open To Flow (2)
92	176.69	123.69	Shut-In(2)
181	957.96	125.60	End Shut-In(2)
181	2172.64	126.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCGO 15%M 15%G 70%O	1.74
196.00	MCGO 10%M 10%G 80%O	2.75

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Salem, IL 62881

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Job Ticket: 48886

DST#: 6

ATTN: Steve Davis

Test Start: 2012.09.09 @ 12:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	MCGO 15%M 15%G 70%O	1.739
196.00	MCGO 10%M 10%G 80%O	2.749

Total Length: 320.00 ft

Total Volume: 4.488 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

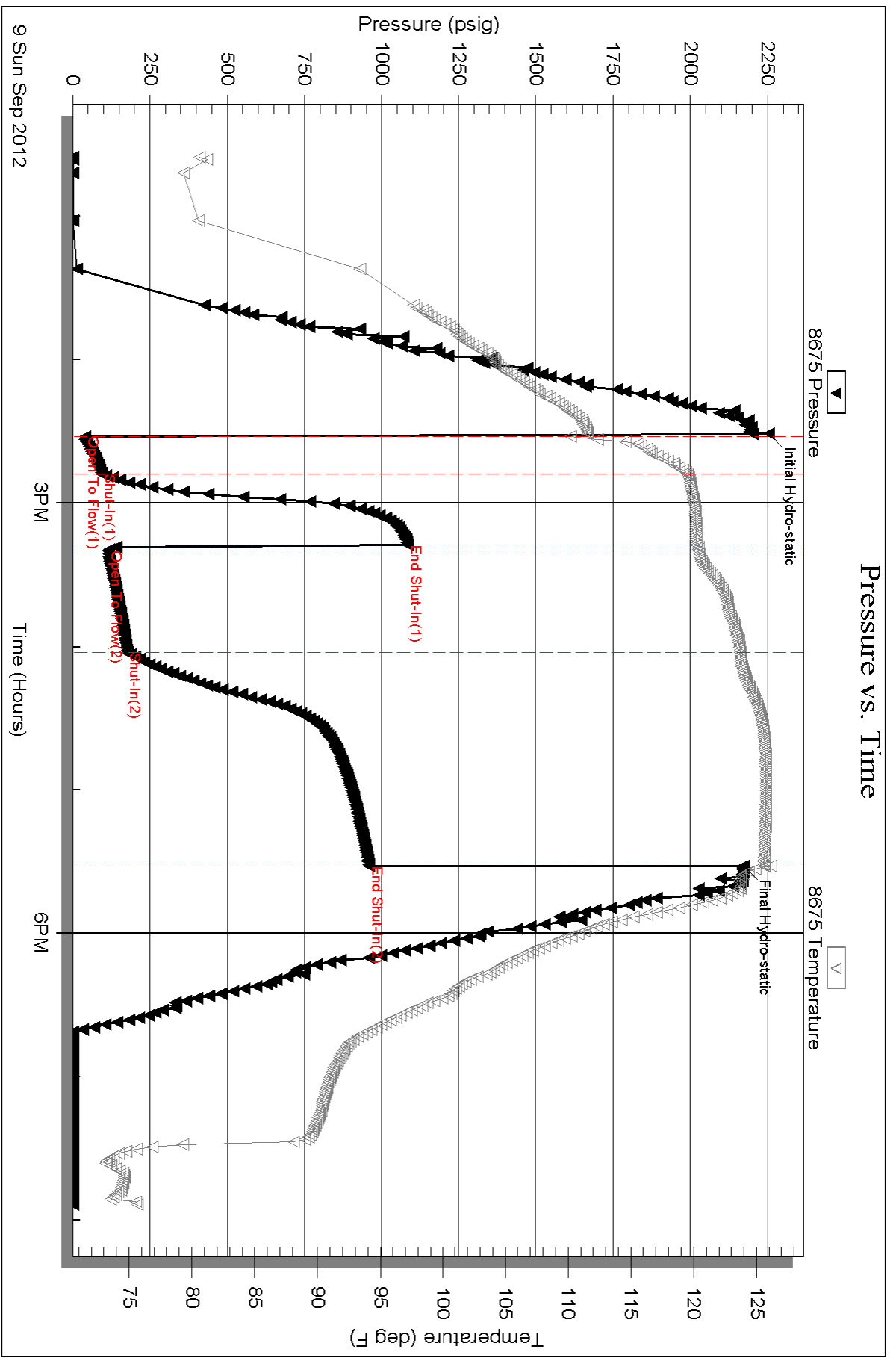
Serial #: 8675

Inside

Shakespeare Oil Co.

Campbell #2-17

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 48886

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