



**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: 50011

DST#: 1

Test Start: 2012.09.04 @ 23:28:24

GENERAL INFORMATION:

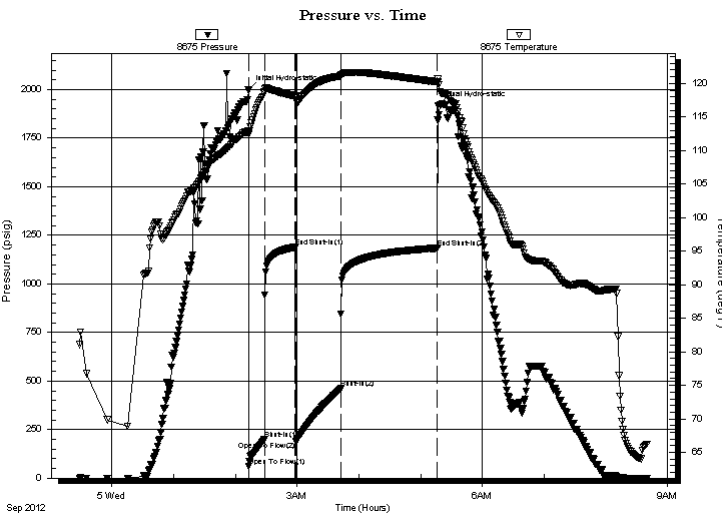
Formation: **LKC- "B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:13:09
 Time Test Ended: 08:39:39
 Interval: **4032.00 ft (KB) To 4060.00 ft (KB) (TVD)**
 Total Depth: 4060.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 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: 460.96 psig @ 4033.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.04 End Date: 2012.09.05 Last Calib.: 2012.09.05
 Start Time: 23:28:39 End Time: 08:39:39 Time On Btm: 2012.09.05 @ 02:12:39
 Time Off Btm: 2012.09.05 @ 05:17:09

TEST COMMENT: IF-B.O.B. 2 1/2 mins.
 ISI-Bled Off For 5 mins. B.O.B. in 12 mins.
 FF-B.O.B. 4 mins.
 FSI-Bled Off FOR 5 mins. Strong Blow Built to 10 in. in 18 mins. Died Back to 1 in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.46	112.94	Initial Hydro-static
1	62.33	112.42	Open To Flow (1)
16	199.73	118.74	Shut-In(1)
46	1189.46	118.08	End Shut-In(1)
46	189.08	117.62	Open To Flow (2)
90	460.96	121.08	Shut-In(2)
184	1183.91	120.19	End Shut-In(2)
185	1916.35	120.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1030.00	10%G 90%O	14.45
124.00	10%G 2%W 8%M 80%O	1.74
62.00	10%G 10%W 40%M 40%O	0.87
0.00	1800 G.I.P.	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Steve Davis

Test Start: 2012.09.04 @ 23:28:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1030.00	10%G 90%O	14.448
124.00	10%G 2%W 8%M 80%O	1.739
62.00	10%G 10%W 40%M 40%O	0.870
0.00	1800 G.I.P.	0.000

Total Length: 1216.00 ft

Total Volume: 17.057 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

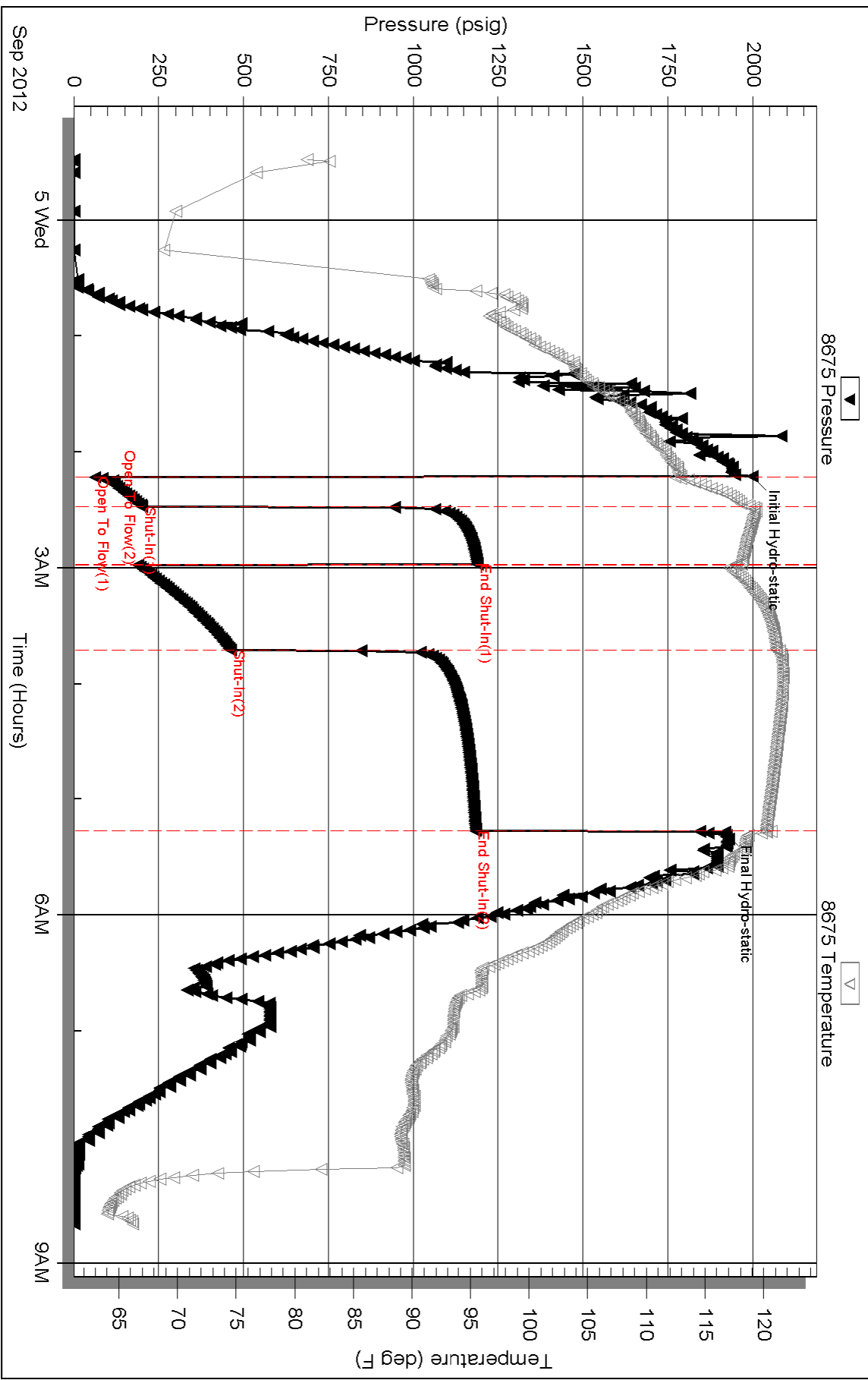
Inside

Shakespeare Oil Co.

Campbell #2-17

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50011

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