



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil CO

14-16-34 Scott, Ks

202 w Main st.
Salem, Il
62881
ATTN: Mac Armstrong

Radnor Cog 1-14

Job Ticket: 59082 **DST#: 1**
Test Start: 2014.09.29 @ 13:10:29

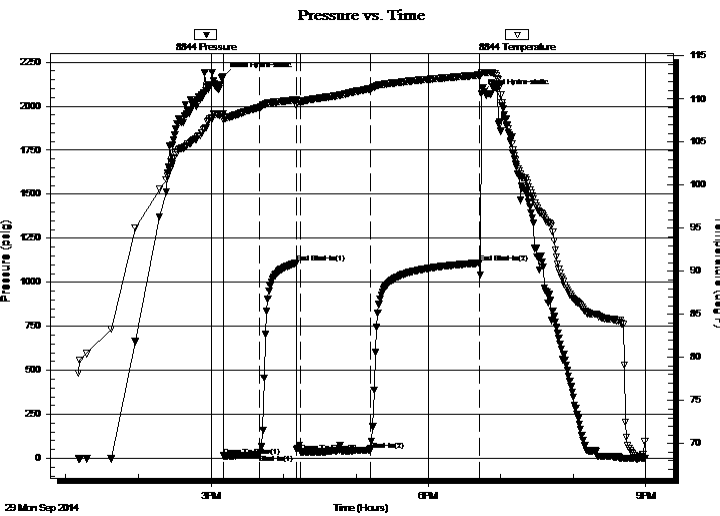
GENERAL INFORMATION:

Formation: **Marmaton a**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 15:10:14
 Time Test Ended: 20:58:59
 Interval: **4406.00 ft (KB) To 4468.00 ft (KB) (TVD)**
 Total Depth: 4468.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3126.00 ft (KB)
 3114.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8844 Outside

Press @ Run Depth: 47.75 psig @ 4407.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.29 End Date: 2014.09.29 Last Calib.: 2014.09.29
 Start Time: 13:10:29 End Time: 20:58:59 Time On Btm: 2014.09.29 @ 15:09:59
 Time Off Btm: 2014.09.29 @ 18:43:59

TEST COMMENT: 3/4" in blow
 No return
 2 1/4" in blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.98	108.29	Initial Hydro-static
1	14.43	107.54	Open To Flow (1)
31	21.05	109.04	Shut-In(1)
61	1109.23	109.91	End Shut-In(1)
64	36.20	109.69	Open To Flow (2)
122	47.75	111.20	Shut-In(2)
213	1109.26	112.78	End Shut-In(2)
214	2072.13	113.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	s m c o 10 % m 90 % o	0.25
60.00	c o 100 % o	0.84

Gas Rates

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



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FLUID SUMMARY

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Radnor Cog 1-14

Job Ticket: 59082

DST#: 1

ATTN: Mac Armstrong

Test Start: 2014.09.29 @ 13:10:29

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
18.00	s m c o 10 % m 90 % o	0.252
60.00	c o 100 % o	0.842

Total Length: 78.00 ft Total Volume: 1.094 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

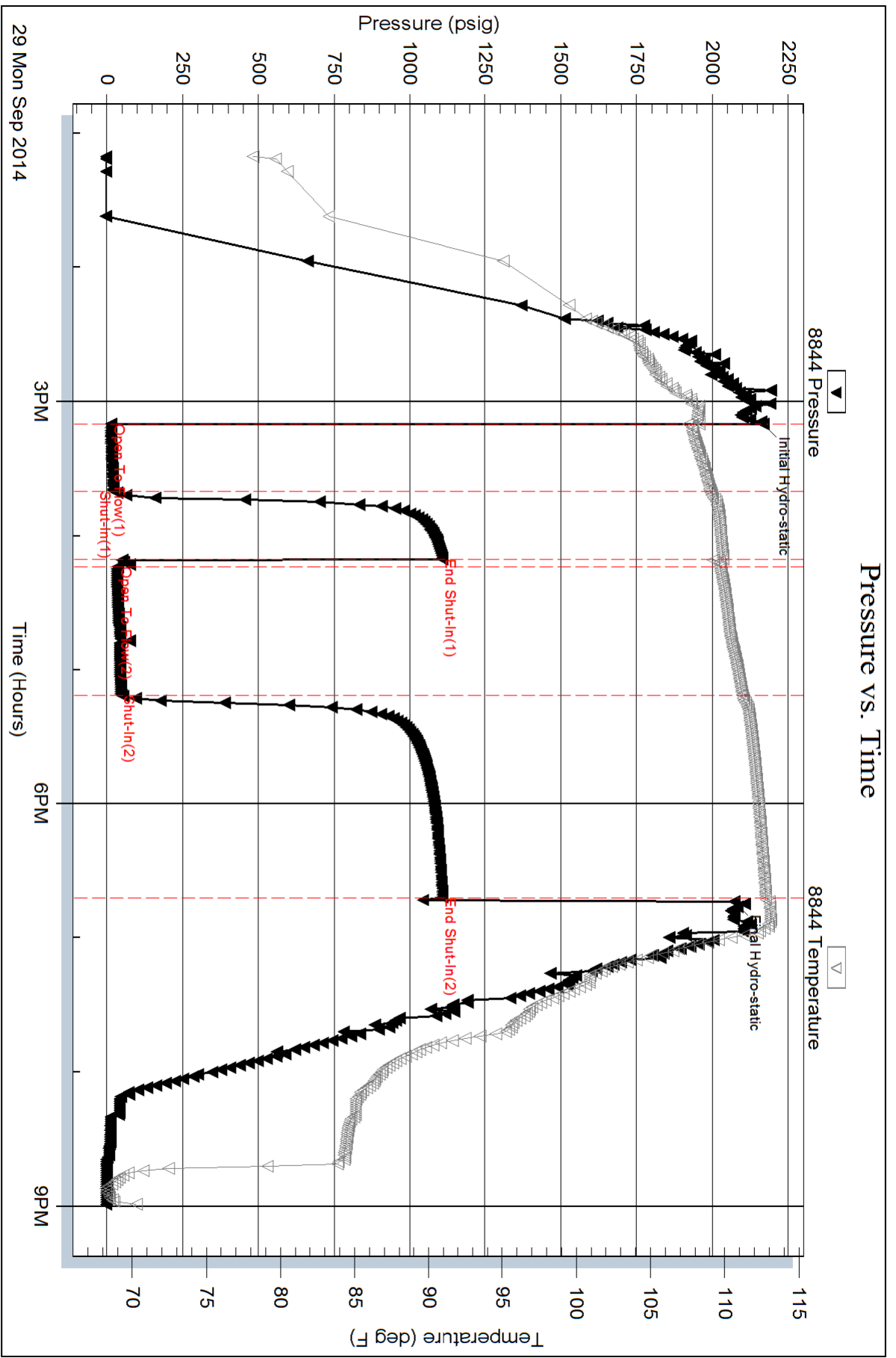
Recovery Comments:

Serial #: 8844

Outside Shakespeare Oil CO

Radnor Cog 1-14

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59082

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