



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co.

S22-15-33 Logan, KS

202 W. Main St.
Salem, IL 62881

Zanobia #1-22

Job Ticket: 48926

DST#: 1

ATTN: Tim Priest

Test Start: 2012.07.05 @ 08:58:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:33:00

Time Test Ended: 16:45:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 3701.00 ft (KB) To 3743.00 ft (KB) (TVD)

Reference Elevations: 2813.00 ft (KB)

Total Depth: 3743.00 ft (KB) (TVD)

2803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 236.48 psig @ 3703.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.05

End Date: 2012.07.05

Last Calib.: 2012.07.05

Start Time: 08:58:02

End Time: 16:45:19

Time On Btm: 2012.07.05 @ 11:31:00

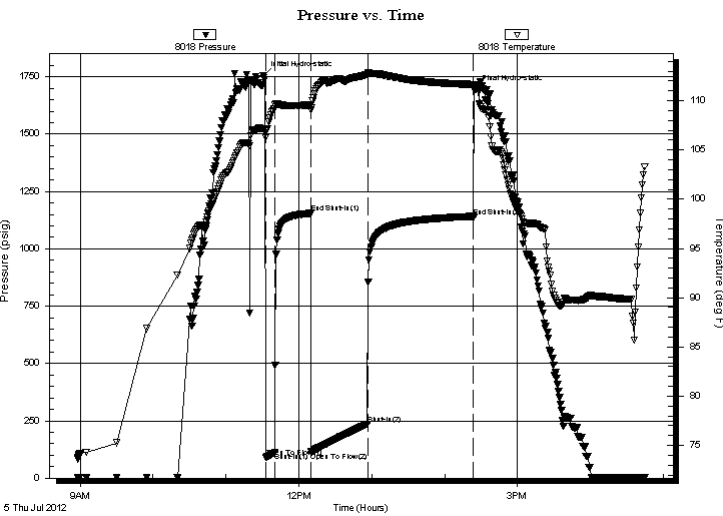
Time Off Btm: 2012.07.05 @ 14:25:00

TEST COMMENT: Tool opened and then slid 15', reset tool, 6" blow.

No return.

B.O.B. @ 19 min.

No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.22	107.11	Initial Hydro-static
2	91.90	106.25	Open To Flow (1)
10	110.54	109.17	Shut-In(1)
39	1155.56	109.55	End Shut-In(1)
39	114.26	109.05	Open To Flow (2)
86	236.48	112.67	Shut-In(2)
173	1141.41	111.65	End Shut-In(2)
174	1694.26	111.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
242.00	MW 5m 95w Oil spots in tool.	2.28
245.00	MW 25m 75w	3.44
0.00	RW: .190 @ 95 Degrees F = 26000PPM	0.00

Gas Rates

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



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FLUID SUMMARY

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S22-15-33 Logan, KS

202 W. Main St.
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Zanobia #1-22

Job Ticket: 48926

DST#: 1

ATTN: Tim Priest

Test Start: 2012.07.05 @ 08:58:00

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:

26000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
242.00	MW 5m 95w Oil spots in tool.	2.283
245.00	MW 25m 75w	3.437
0.00	RW: .190 @ 95 Degrees F = 26000PPM	0.000

Total Length: 487.00 ft

Total Volume: 5.720 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8018

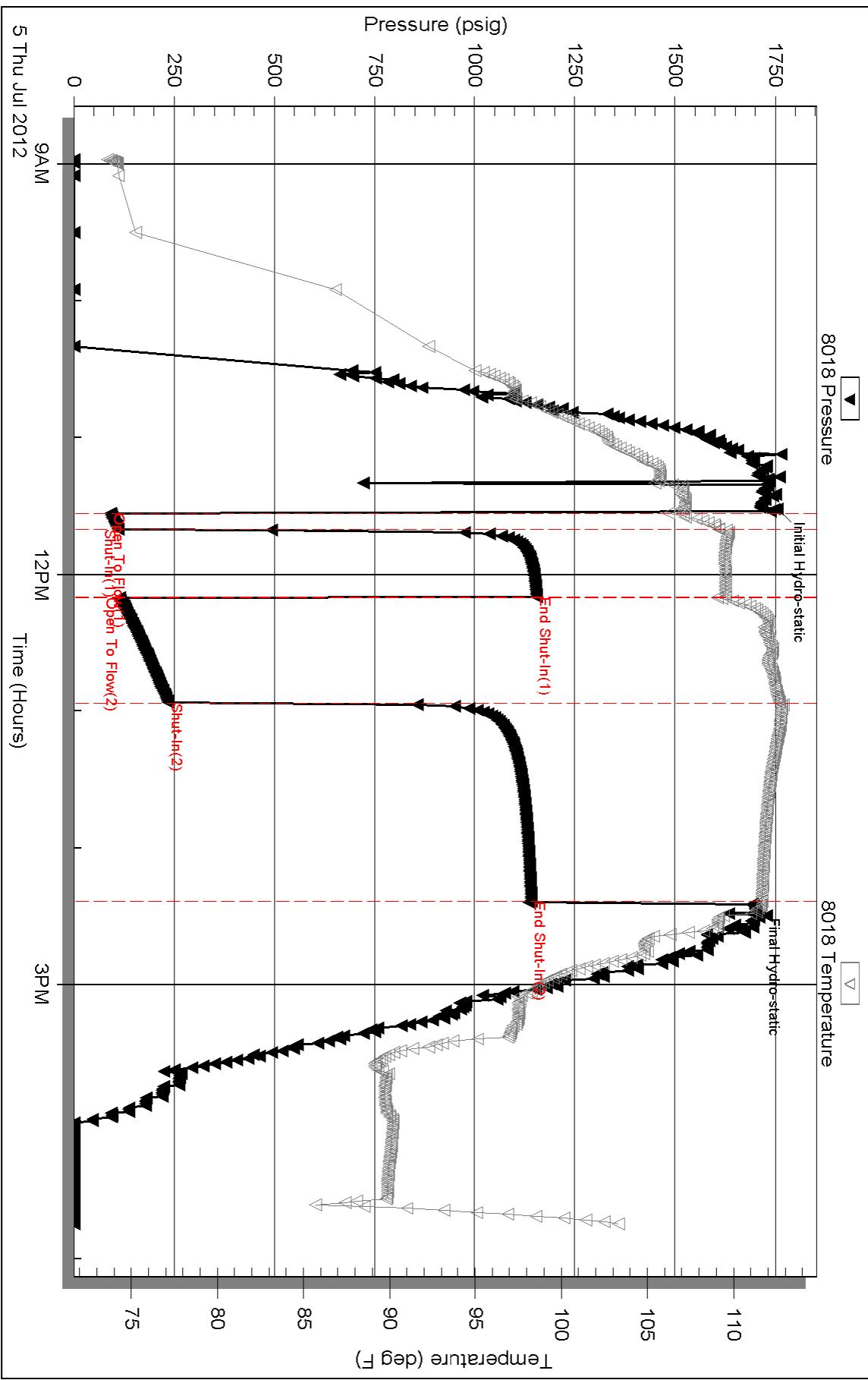
Inside

Shakespeare Oil Co.

Zanobia #1-22

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 48926

Printed: 2012.07.06 @ 08:44:58