



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespear Oil Co.

S22-15-33 Logan, KS

202 W. Main St.
Salem, IL 62881

Zanobia #1-22

Job Ticket: 48927

DST#: 2

ATTN: Tim Priest

Test Start: 2012.07.07 @ 01:03:00

GENERAL INFORMATION:

Formation: **LKC 'J'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:19:00

Time Test Ended: 08:47:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4005.00 ft (KB) To 4032.00 ft (KB) (TVD)

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4032.00 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: 260.99 psig @ 4007.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.07

End Date:

2012.07.07

Last Calib.:

2012.07.07

Start Time: 01:03:02

End Time:

08:47:30

Time On Btm:

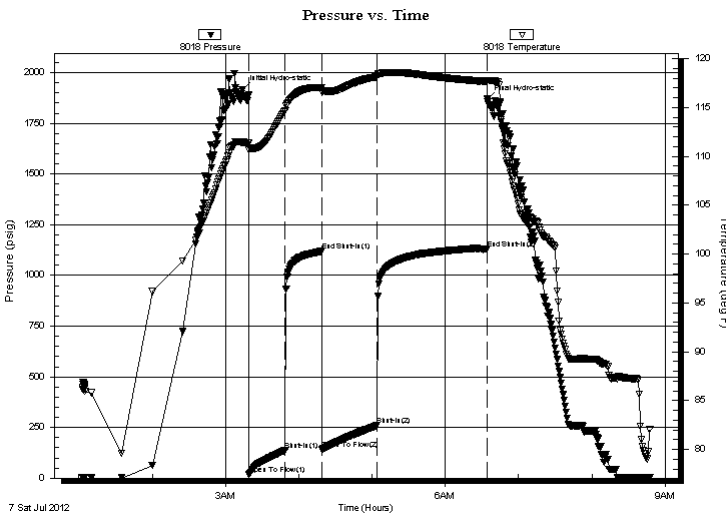
2012.07.07 @ 03:13:50

Time Off Btm:

2012.07.07 @ 06:34:30

TEST COMMENT: B.O.B. @ 18 min.
No return.
B.O.B. @ 20 min.
Weak return, died @ 10 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1918.06	111.45	Initial Hydro-static
6	18.40	110.62	Open To Flow (1)
35	137.75	114.72	Shut-In(1)
65	1121.16	117.06	End Shut-In(1)
66	143.76	116.58	Open To Flow (2)
111	260.99	118.17	Shut-In(2)
200	1130.63	117.65	End Shut-In(2)
201	1869.04	117.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .220 @ 70 Degrees F = 32000 PPM	0.00
422.00	MW 5m 95w Popping gas	4.81
180.00	MW 40m 60w	2.52

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Zanobia #1-22

Job Ticket: 48927

DST#: 2

ATTN: Tim Priest

Test Start: 2012.07.07 @ 01:03:00

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:

32000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	RW: .220 @ 70 Degrees F = 32000 PPM	0.000
422.00	MW 5m 95w Popping gas	4.808
180.00	MW 40m 60w	2.525

Total Length: 602.00 ft

Total Volume: 7.333 bbl

Num Fluid Samples: 0

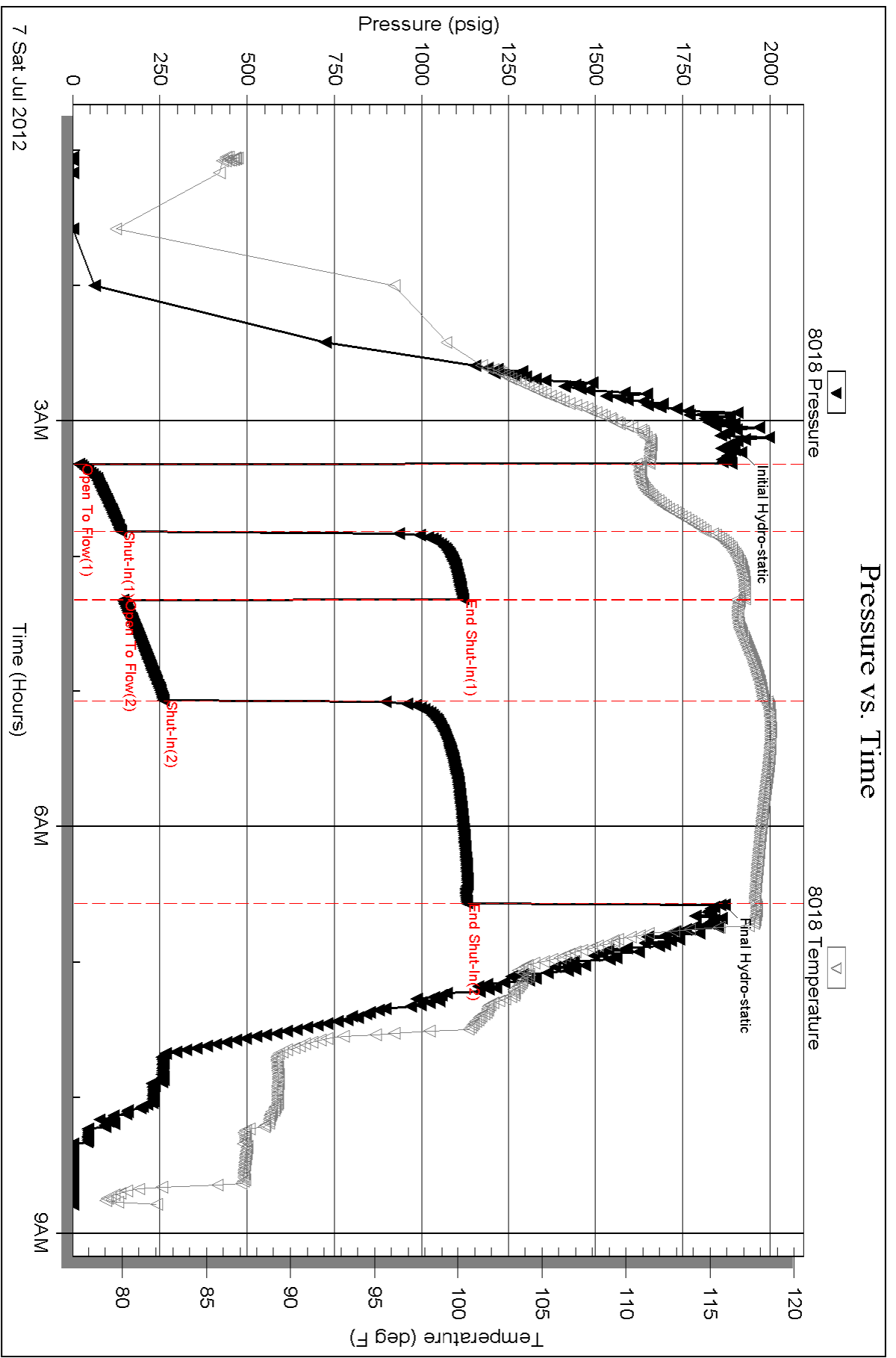
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 6751

Outside Shakespeare Oil Co.

Zanobia #1-22

DST Test Number: 2

