



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

17-13-32 Logan, KS

202 w main st
Salem, IL 62881

Campbell 3-17

ATTN: Tim Priest

Job Ticket: 54975

DST#: 5

Test Start: 2013.11.21 @ 07:40:12

GENERAL INFORMATION:

Formation: **J&K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:52:12
 Tester: Brandon Turley
 Time Test Ended: 14:57:42
 Unit No: 60
 Interval: **4230.00 ft (KB) To 4275.00 ft (KB) (TVD)**
 Reference Elevations: 3036.00 ft (KB)
 Total Depth: 4275.00 ft (KB) (TVD)
 3029.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 7.00 ft

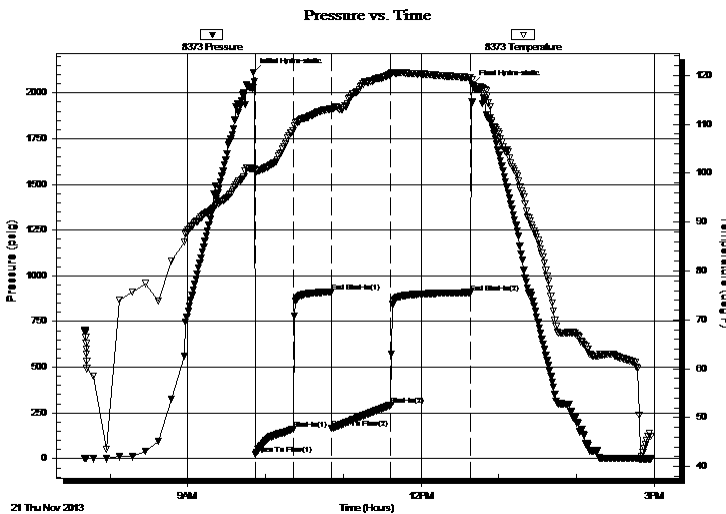
Serial #: 8373

Inside

Press @ Run Depth: 292.83 psig @ 4235.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.21 End Date: 2013.11.21 Last Calib.: 2013.11.21
 Start Time: 07:40:17 End Time: 14:57:41 Time On Btm: 2013.11.21 @ 09:50:42
 Time Off Btm: 2013.11.21 @ 12:39:42

TEST COMMENT: IF: 1/4 blow BOB in 15 min.
 IS: No return.
 FF: BOB in 16 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2111.77	100.96	Initial Hydro-static
2	25.54	100.40	Open To Flow (1)
31	162.10	108.68	Shut-In(1)
60	911.71	113.18	End Shut-In(1)
61	165.15	112.95	Open To Flow (2)
106	292.83	120.28	Shut-In(2)
168	908.59	119.54	End Shut-In(2)
169	2046.63	118.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 80%w 20%m	2.39
186.00	mcw 70%w 30%m	2.61
186.00	w cm 40%w 60%m	2.61

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

72000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
248.00	mcw 80%w 20%m	2.395
186.00	mcw 70%w 30%m	2.609
186.00	w cm 40%w 60%m	2.609

Total Length: 620.00 ft Total Volume: 7.613 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .29@26=72000

Serial #: 8373

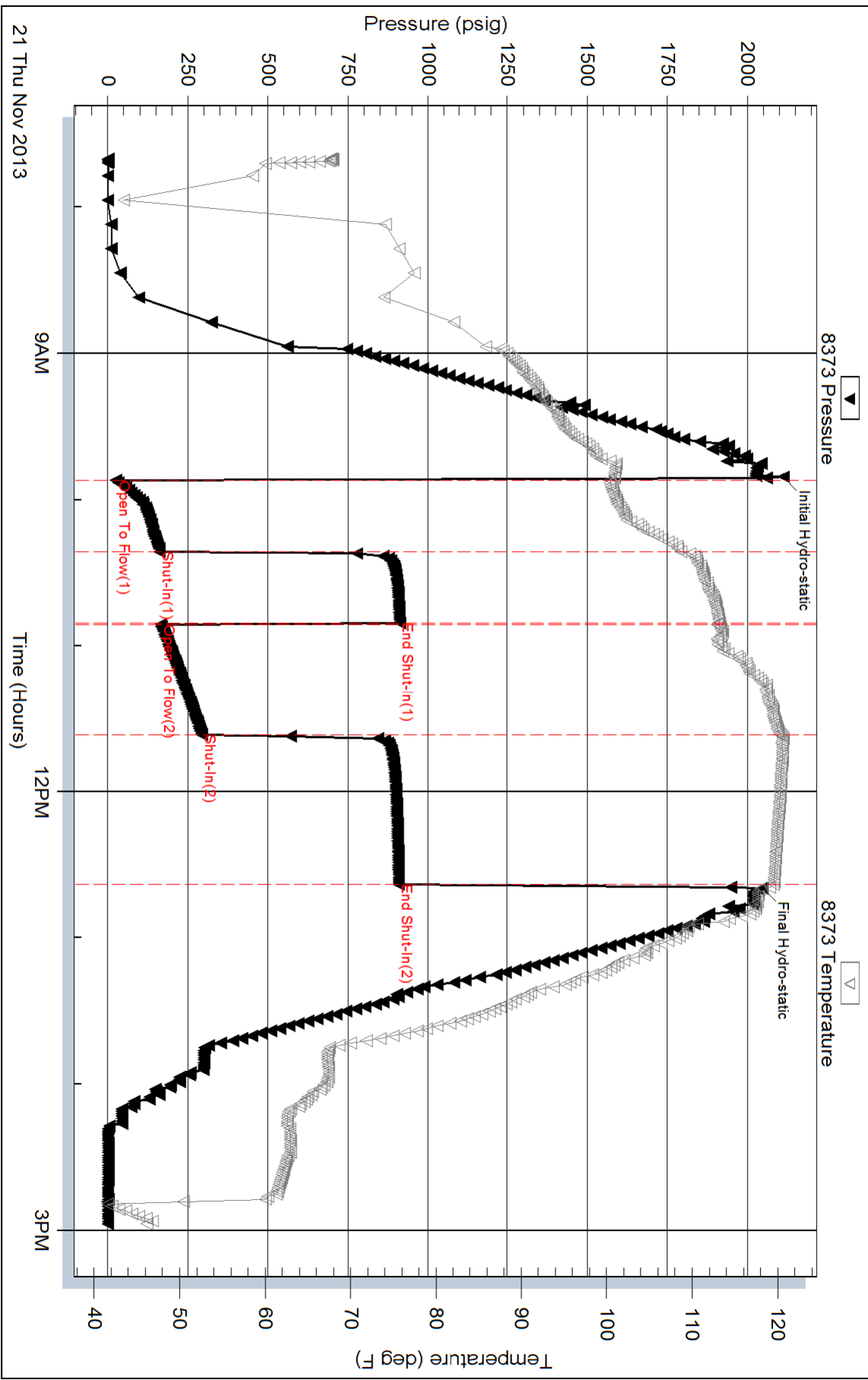
Inside

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Campbell 3-17

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54975

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