



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation
 1700 w aterfront pkwy
 bldg 500
 wichita ks 67206+6619
 ATTN: Roger Martin

21-9s-18w Rooks, KS

Widman #7

Job Ticket: 64787

DST#: 2

Test Start: 2018.10.25 @ 01:22:59

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:23:50
 Time Test Ended: 10:16:19
 Interval: **3540.00 ft (KB) To 3580.00 ft (KB) (TVD)**
 Total Depth: 3580.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale/Ben
 Unit No: 73/66
 Reference Elevations: 2172.00 ft (KB)
 2164.00 ft (CF)
 KB to GR/CF: 8.00 ft

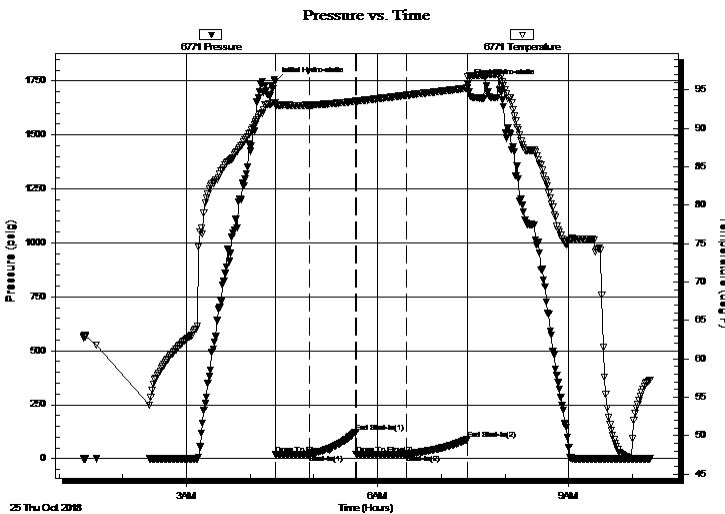
Serial #: 6771

Inside

Press@RunDepth: 21.39 psig @ 3541.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.10.25 End Date: 2018.10.25 Last Calib.: 2018.10.25
 Start Time: 01:23:00 End Time: 10:16:19 Time On Btm: 2018.10.25 @ 04:23:20
 Time Off Btm: 2018.10.25 @ 07:25:05

TEST COMMENT: 30- IF- Slowly built to .50"
 45- IS- No blow
 45- FF- No blow
 60- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.89	93.33	Initial Hydro-static
1	18.69	93.04	Open To Flow (1)
32	21.00	93.02	Shut-In(1)
76	122.01	93.54	End Shut-In(1)
77	20.40	93.52	Open To Flow (2)
124	21.39	94.31	Shut-In(2)
181	88.73	95.22	End Shut-In(2)
182	1737.29	96.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mw / oil show on top <1%	0.04
0.00	1 cup free oil	0.00
0.00	Tool Sample: 30%o 70%M	0.00

* Recovery from multiple tests

Gas Rates

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



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Widman #7

Job Ticket: 64787

DST#: 2

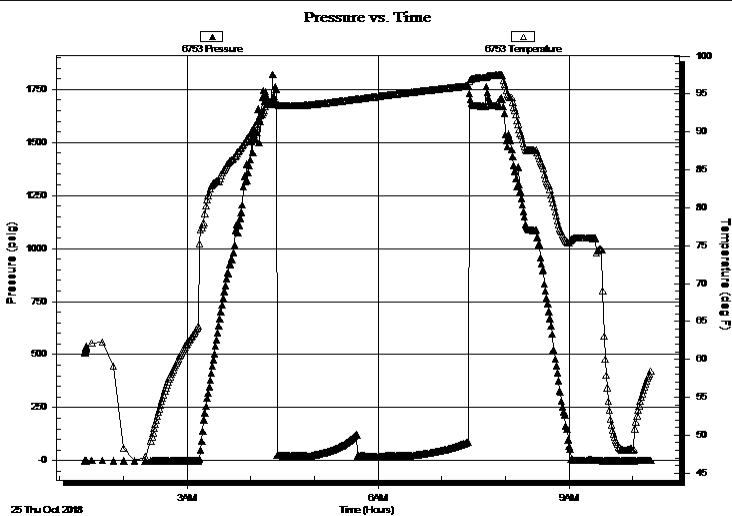
Test Start: 2018.10.25 @ 01:22:59

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:23:50 Tester: Brannan Lonsdale/Ben
 Time Test Ended: 10:16:19 Unit No: 73/66
Interval: 3540.00 ft (KB) To 3580.00 ft (KB) (TVD) Reference Elevations: 2172.00 ft (KB)
 Total Depth: 3580.00 ft (KB) (TVD) 2164.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6753 Outside
 Press@RunDepth: psig @ 3541.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.10.25 End Date: 2018.10.25 Last Calib.: 2018.10.25
 Start Time: 01:23:26 End Time: 10:16:51 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- Slow ly built to .50"
 45- ISL- No blow
 45- FF- No blow
 60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mw / oil show on top <1%	0.04
0.00	1 cup free oil	0.00
0.00	Tool Sample: 30%o 70%M	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

21-9s-18w Rooks, KS

1700 w aterfront pkw y
bldg 500
wichita ks 67206+6619`
ATTN: Roger Martin

Widman #7

Job Ticket: 64787

DST#: 2

Test Start: 2018.10.25 @ 01:22:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mw / oil show on top <1%	0.037
0.00	1 cup free oil	0.000
0.00	Tool Sample: 30%o 70%M	0.000

Total Length: 5.00 ft Total Volume: 0.037 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

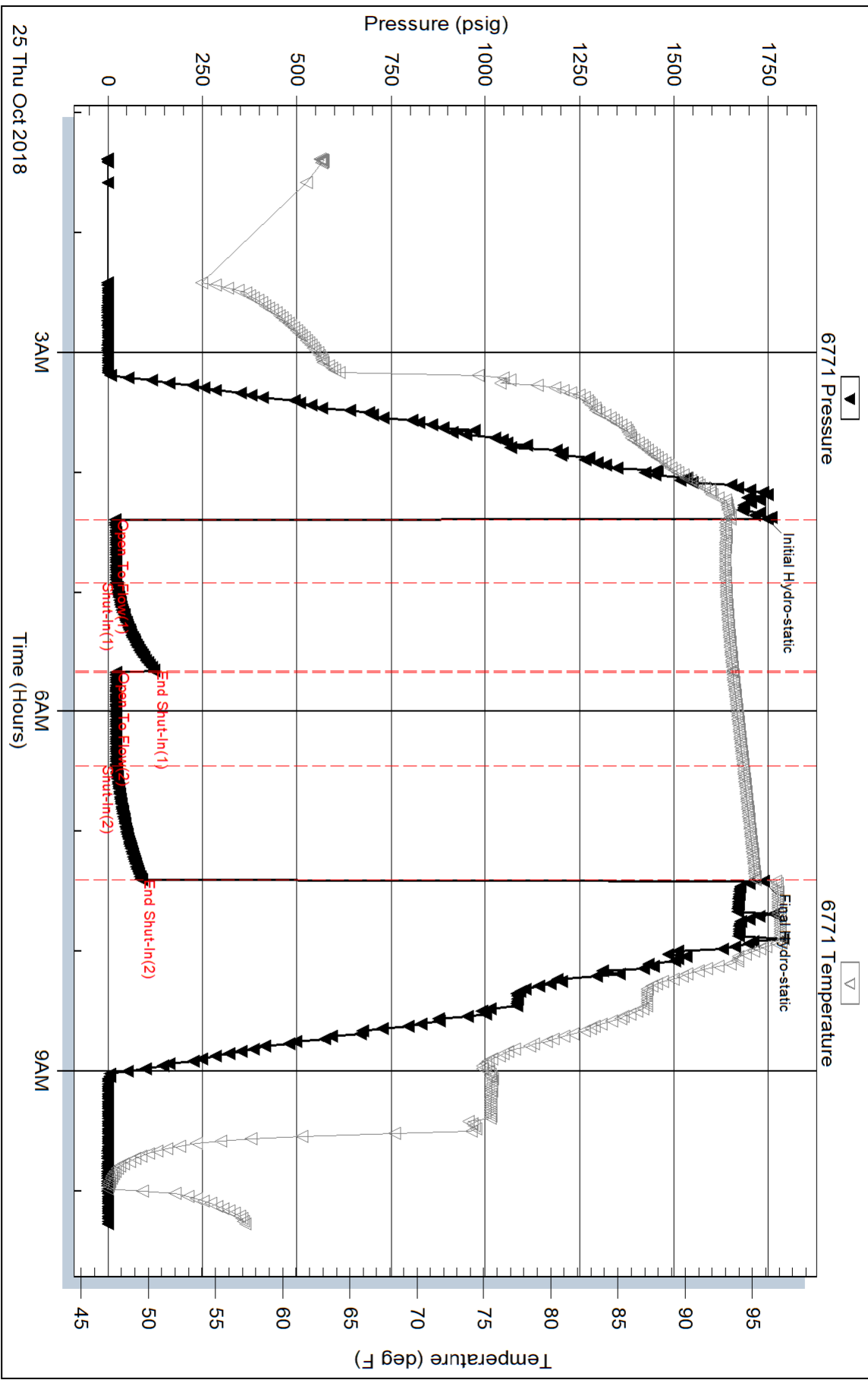
Inside

Vess Oil Corporation

Midman #7

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64787

Printed: 2018.10.25 @ 15:59:31

Serial #: 6753

Outside Vess Oil Corporation

Wellman #7

DST Test Number: 2

