



**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: 64788

DST#: 3

Test Start: 2018.10.25 @ 23:29:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:25:30

Time Test Ended: 10:03:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale/Ben

Unit No: 73/66

Interval: 3538.00 ft (KB) To 3587.00 ft (KB) (TVD)

Reference Elevations: 2172.00 ft (KB)

Total Depth: 3587.00 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: 270.23 psig @ 3539.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.10.25 End Date: 2018.10.26

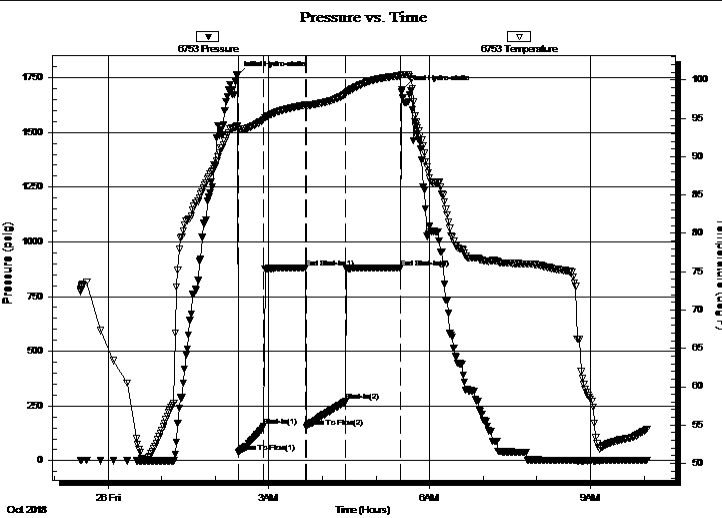
Last Calib.: 2018.10.26

Start Time: 23:29:05 End Time: 10:03:00

Time On Btm: 2018.10.26 @ 02:25:00

Time Off Btm: 2018.10.26 @ 05:29:00

TEST COMMENT: 30-I.F.- BOB 17 mins . built 24.77"
45-I.S.I.- slow ly built to 1"
45-F.F.- BOB 16 mins . built to 36.18"
60-F.S.I.- slow ly built to 2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1759.50	93.93	Initial Hydro-static
1	38.27	93.57	Open To Flow (1)
29	157.05	94.81	Shut-In(1)
76	879.64	96.72	End Shut-In(1)
77	152.75	96.60	Open To Flow (2)
121	270.23	98.15	Shut-In(2)
183	879.98	100.52	End Shut-In(2)
184	1696.27	100.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
370.00	GWMCO, 15%G 10%W 30%M 45%O	3.13
205.00	GMCO ,5%G 15%M 80%O	2.91
0.00	50' GIP	0.00
0.00	tool sample 20%G 15%W 30%M 35%O	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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ATTN: Roger Martin

Widman #7

Job Ticket: 64788

DST#: 3

Test Start: 2018.10.25 @ 23:29:00

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:

28000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 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 bbbl
370.00	GWMCO,15%G 10%W 30%M 45%O	3.128
205.00	GMCO ,5%G 15%M 80%O	2.906
0.00	50' GIP	0.000
0.00	tool sample 20%G 15%W 30%M 35%O	0.000

Total Length: 575.00 ft

Total Volume: 6.034 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: 0.34@48deg

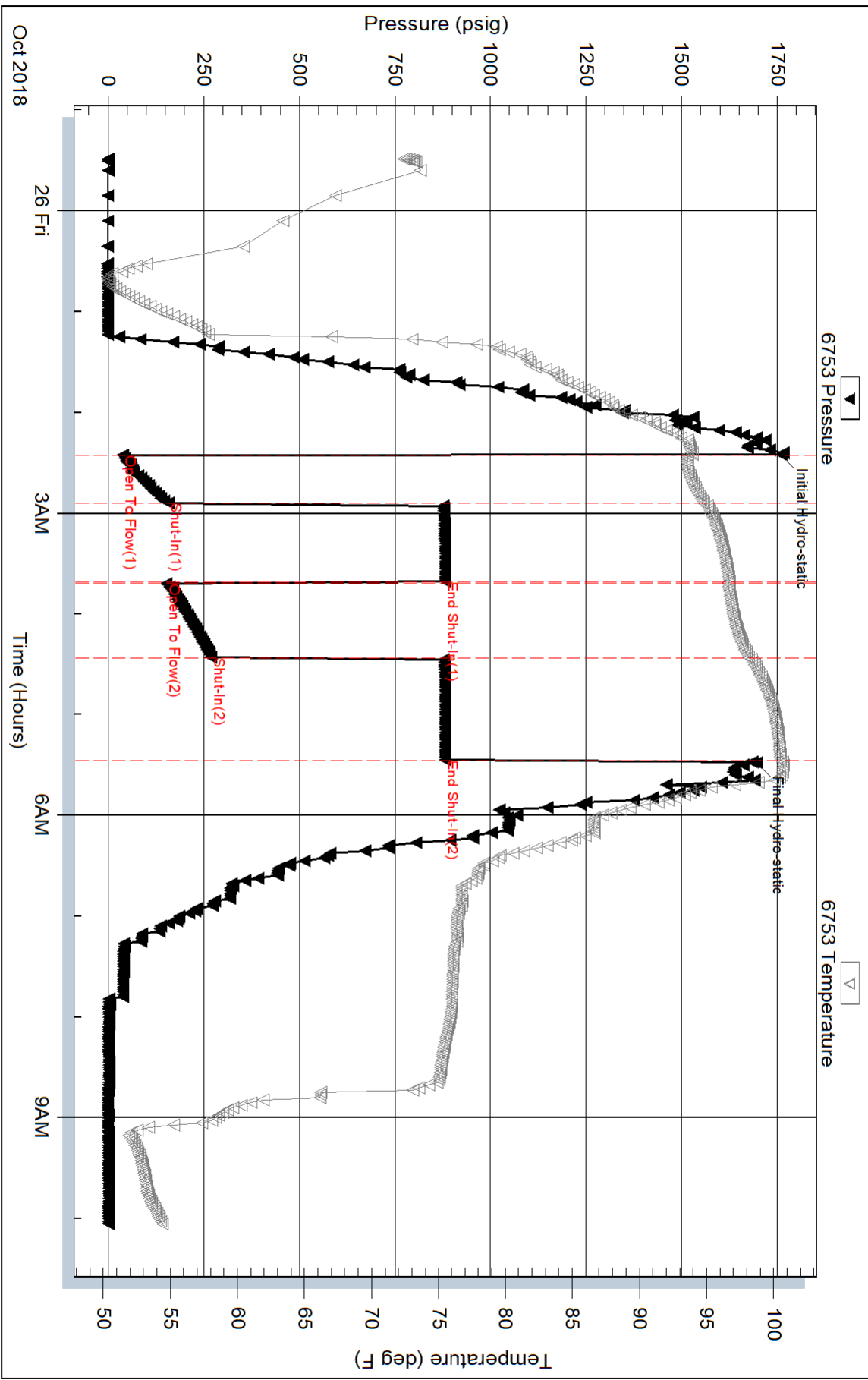
Serial #: 6753

Outside Vess Oil Corporation

Wellman #7

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 64788

Printed: 2018.10.26 @ 11:12:59

Serial #: 6771

Inside

Vess Oil Corporation

Midman #7

DST Test Number: 3

