



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess oil Corporation
 1700 N Waterfront Parkw ay
 Building 500
 Wichita, Kansas 67206+6619
 ATTN: Roger Martin

21/9S/18W/Rooks

Paradise Creek 3-03

Job Ticket: 63465

DST#: 2

Test Start: 2018.10.03 @ 01:52:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:17

Time Test Ended: 09:39:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Hays 60

Interval: **3395.00 ft (KB) To 3555.00 ft (KB) (TVD)**

Reference Elevations: 2176.00 ft (KB)

Total Depth: 3555.00 ft (KB) (TVD)

2169.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6752 Outside

Press@RunDepth: 360.50 psig @ 3397.00 ft (KB)

Capacity: psig

Start Date: 2018.10.03

End Date: 2018.10.03

Last Calib.: 2018.10.03

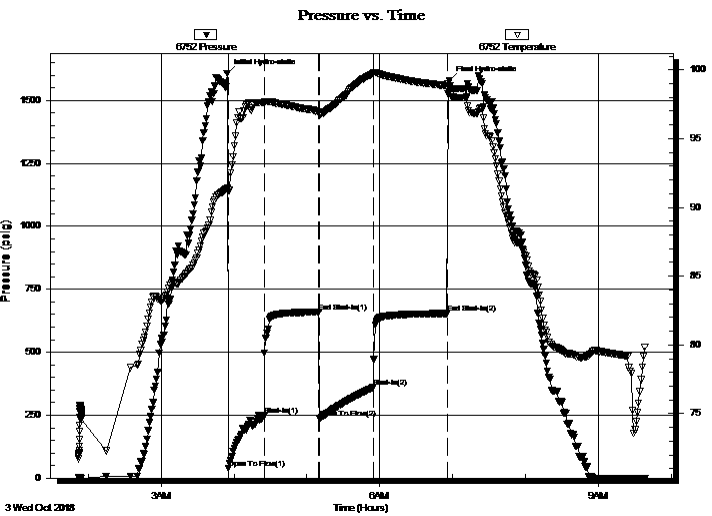
Start Time: 01:52:01

End Time: 09:39:02

Time On Btm: 2018.10.03 @ 03:54:47

Time Off Btm: 2018.10.03 @ 06:57:17

TEST COMMENT: I.F. 30 Minutes/ Blow built to BOB in 5m 15s/ Total build 44 inches
 I.S.I. 45 Mintues/ No blow back
 F.F. 45 Minutes/ Blow built to BOB in 11 min/ Total build 41 inches
 F.S.I. 60 Minutes/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.61	91.39	Initial Hydro-static
1	39.50	91.25	Open To Flow (1)
30	248.14	97.63	Shut-In(1)
75	659.05	96.89	End Shut-In(1)
76	237.06	96.78	Open To Flow (2)
120	360.50	99.76	Shut-In(2)
181	653.94	98.85	End Shut-In(2)
183	1577.89	98.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
472.00	Oil cut Muddy Water/ O 5% M 10% W 85%	6.62
148.00	Oil cut Watery Mud/ O 10% W 40% M 50%	2.08
134.00	Oil cut Mud/ O 5% M 95%	1.88
1.00	Clean Oil	0.01

Gas Rates

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



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GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:17

Time Test Ended: 09:39:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Hays 60

Interval: 3395.00 ft (KB) To 3555.00 ft (KB) (TVD)

Reference Elevations: 2176.00 ft (KB)

Total Depth: 3555.00 ft (KB) (TVD)

2169.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8322

Inside

Press@RunDepth: 632.95 psig @ 3396.00 ft (KB)

Capacity: psig

Start Date: 2018.10.03

End Date:

2018.10.03

Last Calib.:

2018.10.03

Start Time: 01:52:01

End Time:

09:38:02

Time On Btm:

2018.10.03 @ 03:54:47

Time Off Btm:

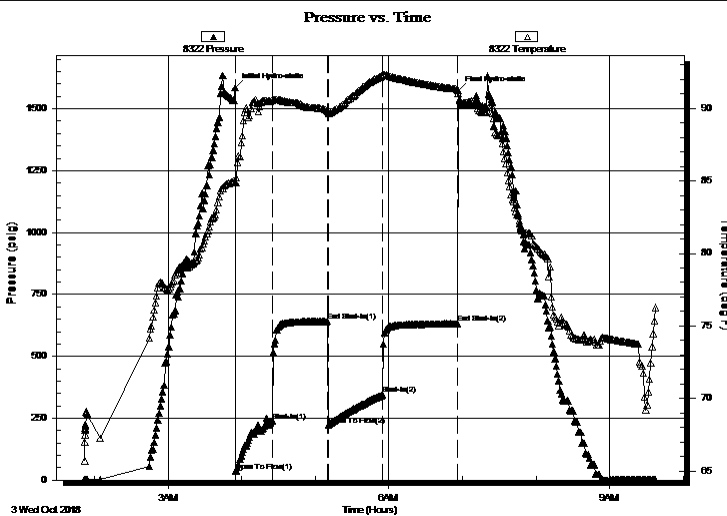
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TEST COMMENT: I.F. 30 Minutes/ Blow built to BOB in 5m 15s/ Total build 44 inches

I.S.I. 45 Mintues/ No blow back

F.F. 45 Minutes/ Blow built to BOB in 11 min/ Total build 41 inches

F.S.I. 60 Minutes/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.38	84.96	Initial Hydro-static
1	34.66	84.88	Open To Flow (1)
30	240.18	90.53	Shut-In(1)
76	641.08	89.79	End Shut-In(1)
76	223.66	89.67	Open To Flow (2)
120	345.17	92.28	Shut-In(2)
181	632.95	91.35	End Shut-In(2)
182	1573.59	91.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
472.00	Oil cut Muddy Water/ O 5% M 10% W 85%	6.62
148.00	Oil cut Watery Mud/ O 10% W 40% M 50%	2.08
134.00	Oil cut Mud/ O 5% M 95%	1.88
1.00	Clean Oil	0.01

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess oil Corporation

21/9S/18W/Rooks

1700 N Waterfront Parkway
Building 500
Wichita, Kansas 67206+6619
ATTN: Roger Martin

Paradise Creek 3-03

Job Ticket: 63465

DST#: 2

Test Start: 2018.10.03 @ 01:52:00

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:

17000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
472.00	Oil cut Muddy Water/ O 5% M 10% W 85%	6.621
148.00	Oil cut Watery Mud/ O 10% W 40% M 50%	2.076
134.00	Oil cut Mud/ O 5% M 95%	1.880
1.00	Clean Oil	0.014

Total Length: 755.00 ft Total Volume: 10.591 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

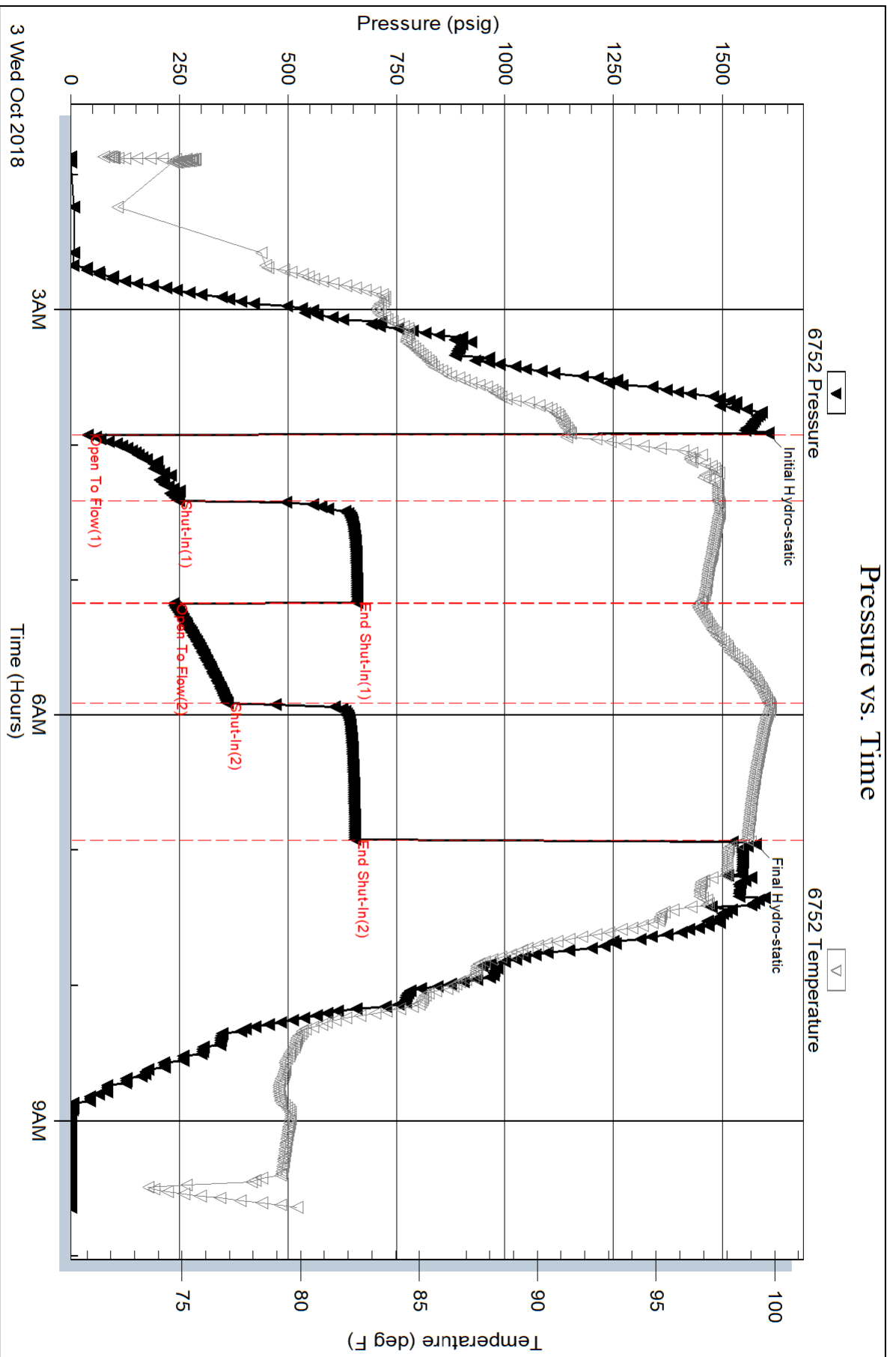
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .460 ohms @ 77 deg.

Tool Fluid Sample Oil 5% Mud 10% Water 85%



Pressure vs. Time

