



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

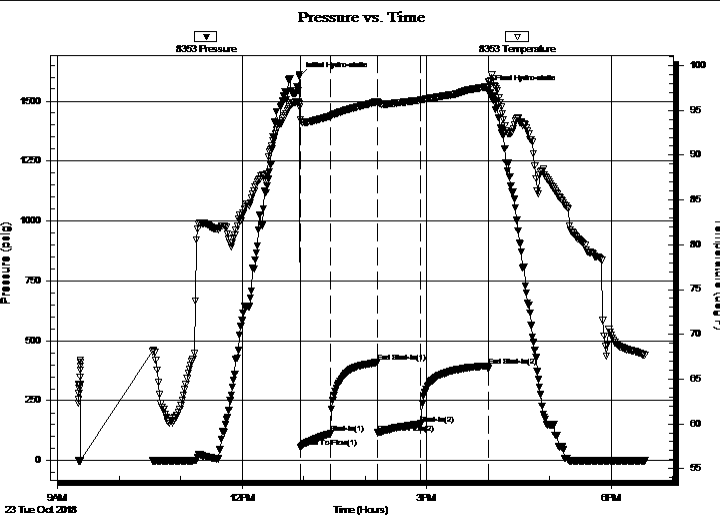
21-9s-18w Rooks, KS
Widman #7
Job Ticket: 63558 **DST#: 1**
Test Start: 2018.10.23 @ 09:20:12

GENERAL INFORMATION:

Formation: **Oread- LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:56:52
Time Test Ended: 18:33:22
Interval: **3200.00 ft (KB) To 3435.00 ft (KB) (TVD)**
Total Depth: 3435.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan Lonsdale/Ben
Unit No: 71
Reference Elevations: 2172.00 ft (KB)
2164.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8353 Inside
Press@RunDepth: 153.74 psig @ 3237.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.10.23 End Date: 2018.10.23 Last Calib.: 2018.10.23
Start Time: 09:20:13 End Time: 18:33:22 Time On Btm: 2018.10.23 @ 12:56:02
Time Off Btm: 2018.10.23 @ 16:00:12

TEST COMMENT: 30- IF- Slow ly built to 11.5"
45- IS- No blow
45- FF- Slow ly built to 5.5"
60- FSI- Very weak surface blow died 6mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.99	95.34	Initial Hydro-static
1	55.30	93.97	Open To Flow (1)
30	112.50	94.35	Shut-In(1)
76	410.01	95.98	End Shut-In(1)
77	115.72	95.84	Open To Flow (2)
119	153.74	96.12	Shut-In(2)
184	395.02	97.64	End Shut-In(2)
185	1549.56	98.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SWM w/ oil spots, 5%W 95%M	0.46
188.00	M	1.38
0.00	Tool Sample, <1%O 5%W 95%M	0.00

Gas Rates

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



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Widman #7
 Job Ticket: 63558 **DST#: 1**
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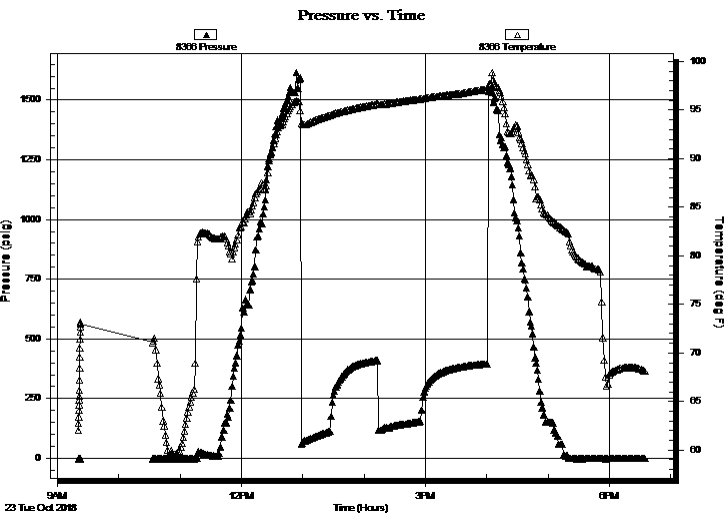
GENERAL INFORMATION:

Formation: **Oread- LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:56:52
 Time Test Ended: 18:33:22
 Interval: **3200.00 ft (KB) To 3435.00 ft (KB) (TVD)**
 Total Depth: 3435.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale/Ben
 Unit No: 71
 Reference Elevations: 2172.00 ft (KB)
 2164.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8366 Outside

Press@RunDepth: psig @ 3237.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.10.23 End Date: 2018.10.23 Last Calib.: 2018.10.23
 Start Time: 09:20:47 End Time: 18:34:35 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- Slow ly built to 11.5"
 45- IS- No blow
 45- FF- Slow ly built to 5.5"
 60- FSI- Very weak surface blow died 6mins



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SWM w/ oil spots, 5%W 95%M	0.46
188.00	M	1.38
0.00	Tool Sample, <1%O 5%W 95%M	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

21-9s-18w Rooks, KS

1700 w aterfront pkwy bldg 500 wichita ks
67206+6619`

Widman #7

Job Ticket: 63558

DST#: 1

ATTN: Roger Martin

Test Start: 2018.10.23 @ 09:20:12

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:

29000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SWM w / oil spots, 5%W 95%M	0.455
188.00	M	1.381
0.00	Tool Sample, <1%O 5%W 95%M	0.000

Total Length: 250.00 ft Total Volume: 1.836 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .29@61deg

Serial #: 8353

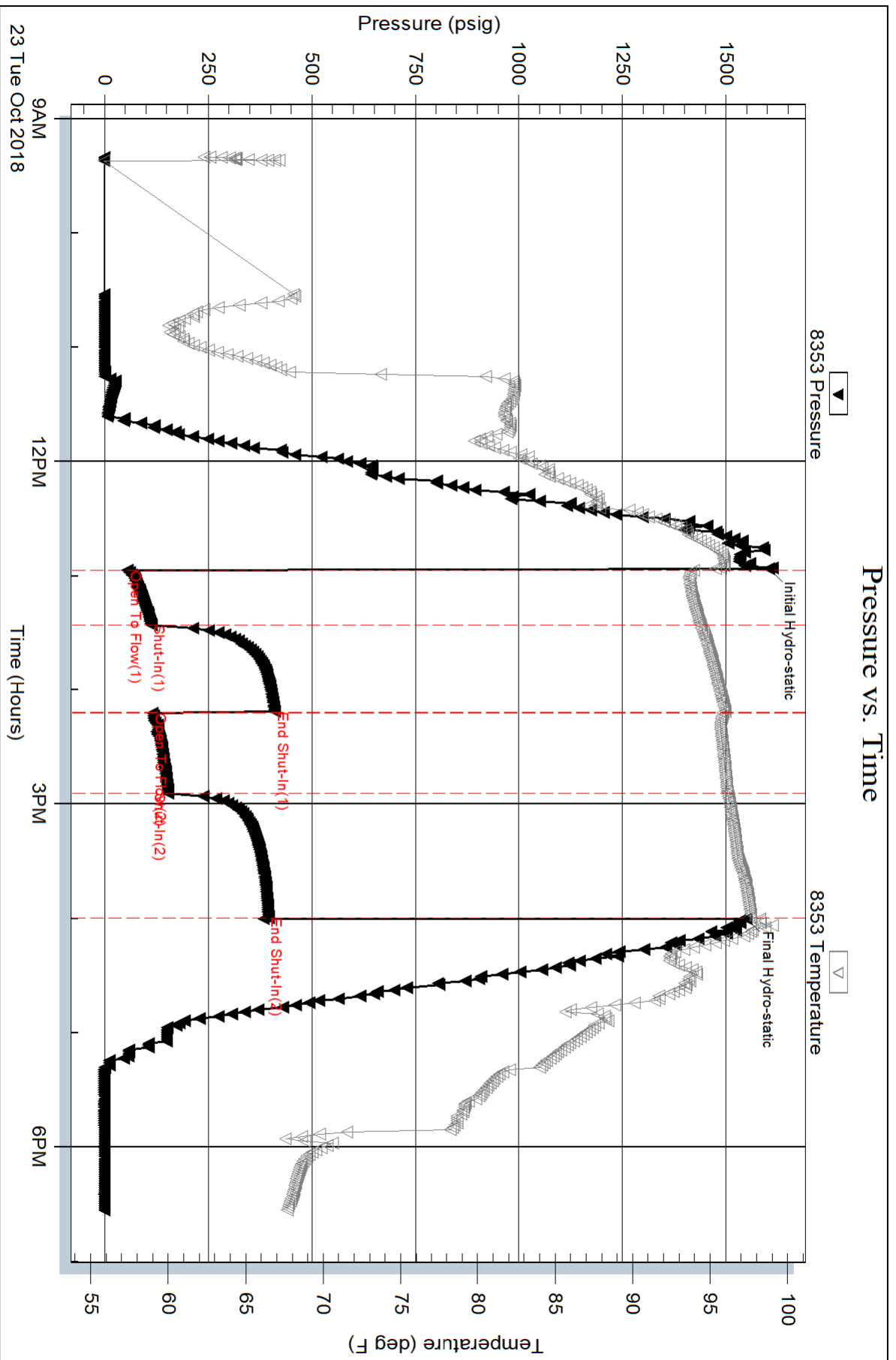
Inside

Vess Oil Corporation

Midman #7

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63558

Printed: 2018.10.23 @ 19:00:20

Serial #: 8366

Outside Vess Oil Corporation

Wellman #7

DST Test Number: 1

