



## DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Parkway  
Building 500  
Wichit, KS 67206

ATTN: Casey Coats/Roger Ma

**Chesney A #241**

**21-25S-5E Butler, KS**

Start Date: 2017.08.13 @ 01:12:00

End Date: 2017.08.13 @ 08:03:20

Job Ticket #: 63585                      DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vess Oil Corp.  
 1700 Waterfront Parkway  
 Building 500  
 Wichita, KS 67206  
 ATTN: Casey Coats/Roger Ma

21-25S-5E Butler, KS

Chesney A #241

Job Ticket: 63585

DST#: 1

Test Start: 2017.08.13 @ 01:12:00

## GENERAL INFORMATION:

Formation: **Douglas Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:09:40  
 Time Test Ended: 08:03:20

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80

Interval: **1370.00 ft (KB) To 1459.00 ft (KB) (TVD)**  
 Total Depth: 1459.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1353.00 ft (KB)  
 1347.00 ft (CF)  
 KB to GR/CF: 6.00 ft

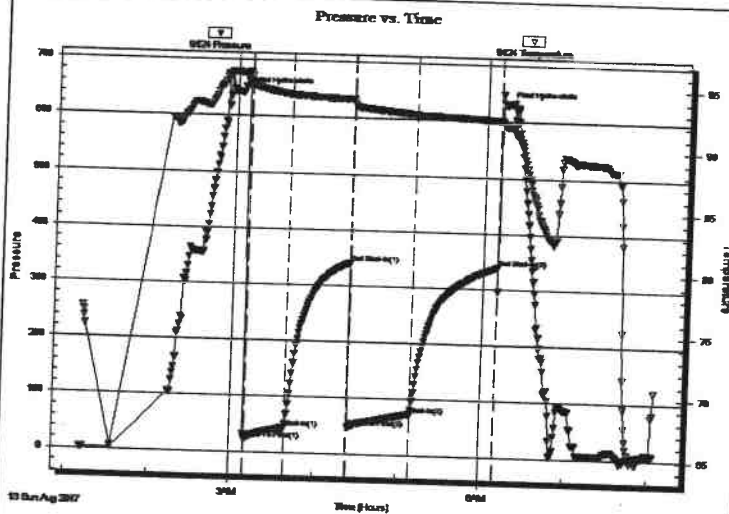
Serial #: 9124

Inside

Press@RunDepth: 73.13 psig @ 1371.00 ft (KB)  
 Start Date: 2017.08.13 End Date: 2017.08.13  
 Start Time: 01:12:05 End Time: 08:03:20

Capacity: 8000.00 psig  
 Last Calib.: 2017.08.13  
 Time On Btm: 2017.08.13 @ 03:03:50  
 Time Off Btm: 2017.08.13 @ 06:14:39

TEST COMMENT: IF - Weak blow building to strong blow in 90 seconds  
 FF - Weak blow building to strong blow in 1 minute  
 FS - Surface blow back during final shut-in period.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	642.59	95.82	Initial Hydro-static
6	23.42	95.15	Open To Flow (1)
35	43.23	94.12	Shut-In(1)
80	341.03	93.85	End Shut-In(1)
81	47.41	93.47	Open To Flow (2)
125	73.13	92.72	Shut-In(2)
186	339.16	92.39	End Shut-In(2)
191	629.94	91.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
130.00	Slight oil spotted mud trace O & 100% M	0.64
0.00	115' GIP 100% G	0.00
0.00	Tool Sample Oil cut mud 4% O & 96% M	0.00

## Gas Rates

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





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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vess Oil Corp.

**21-25S-5E Butler, KS**

1700 Waterfront Parkway

**Chesney A #241**

Building 500

Job Ticket: 63585

**DST#: 1**

Wichit, KS 67206

ATTN: Casey Coats/Roger Ma

Test Start: 2017.08.13 @ 01:12:00

### Tool Information

Drill Pipe:	Length: 1183.00 ft	Diameter: 3.34 inches	Volume: 12.82 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 36000.00 lb
			<u>Total Volume: 13.69 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	1370.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			1343.00	
Shut In Tool	5.00			1348.00	
Hydraulic tool	5.00			1353.00	
Jars	5.00			1358.00	
Safety Joint	3.00			1361.00	
Packer	4.00			1365.00	28.00 Bottom Of Top Packer
Packer	5.00			1370.00	
Stubb	1.00			1371.00	
Recorder	0.00	8679	Outside	1371.00	
Recorder	0.00	9124	Inside	1371.00	
Perforations	20.00			1391.00	
Change Over Sub	1.00			1392.00	
Blank Spacing	59.00			1451.00	
Change Over Sub	1.00			1452.00	
Perforations	2.00			1454.00	
Bullnose	5.00			1459.00	89.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>117.00</b>				



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**FLUID SUMMARY**

Vess Oil Corp.

21-25S-5E Butler, KS

1700 Waterfront Parkway  
Building 500  
Wichit, KS 67206

**Chesney A #241**

Job Ticket: 63585

**DST#: 1**

ATTN: Casey Coats/Roger Ma

Test Start: 2017.08.13 @ 01:12:00

## 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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1320.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Slight oil spotted mud trace O & 100% M	0.639
0.00	115' GIP 100% G	0.000
0.00	Tool Sample Oil cut mud 4% O & 96% M	0.000

Total Length: 130.00 ft

Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

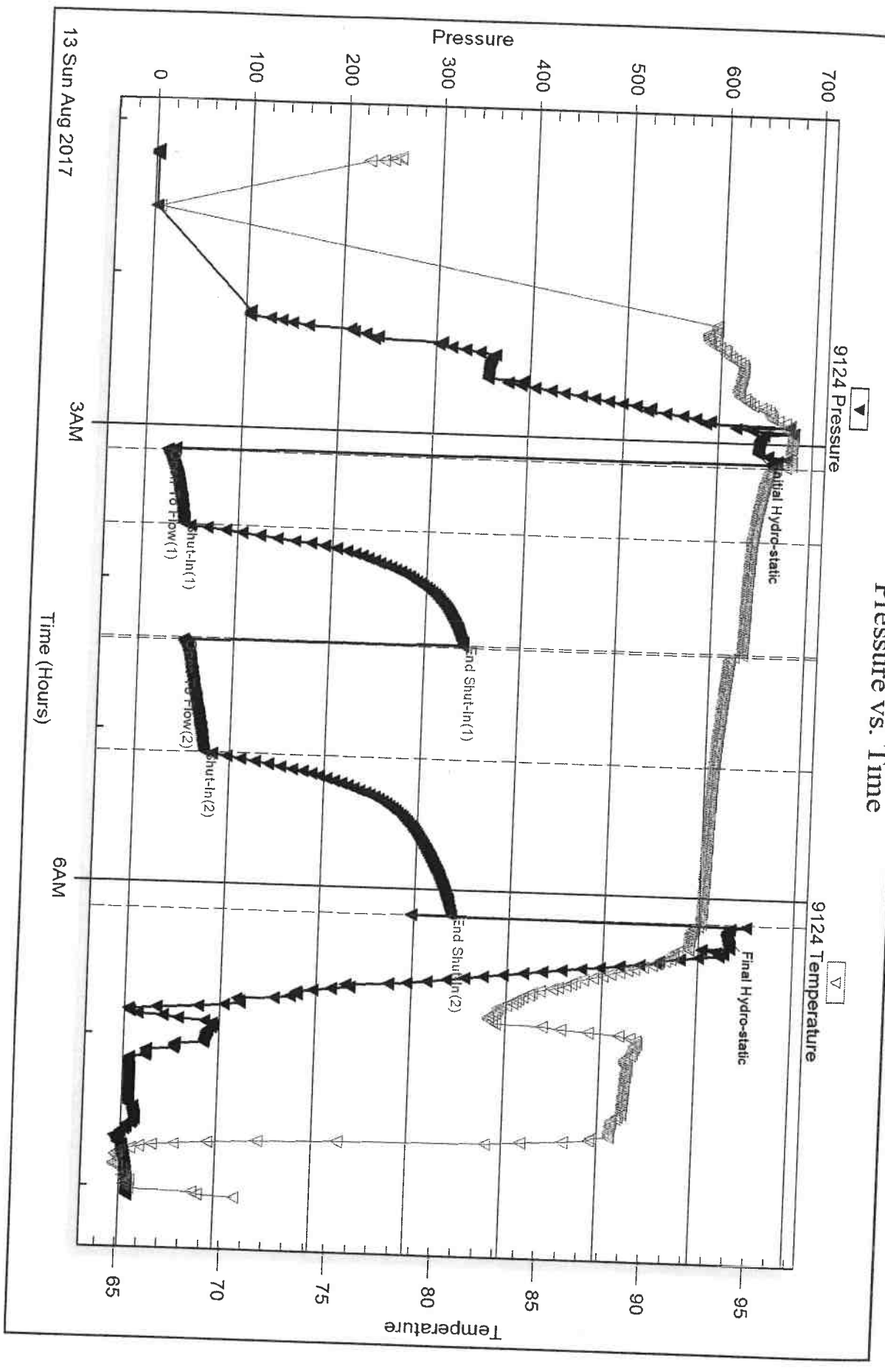
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

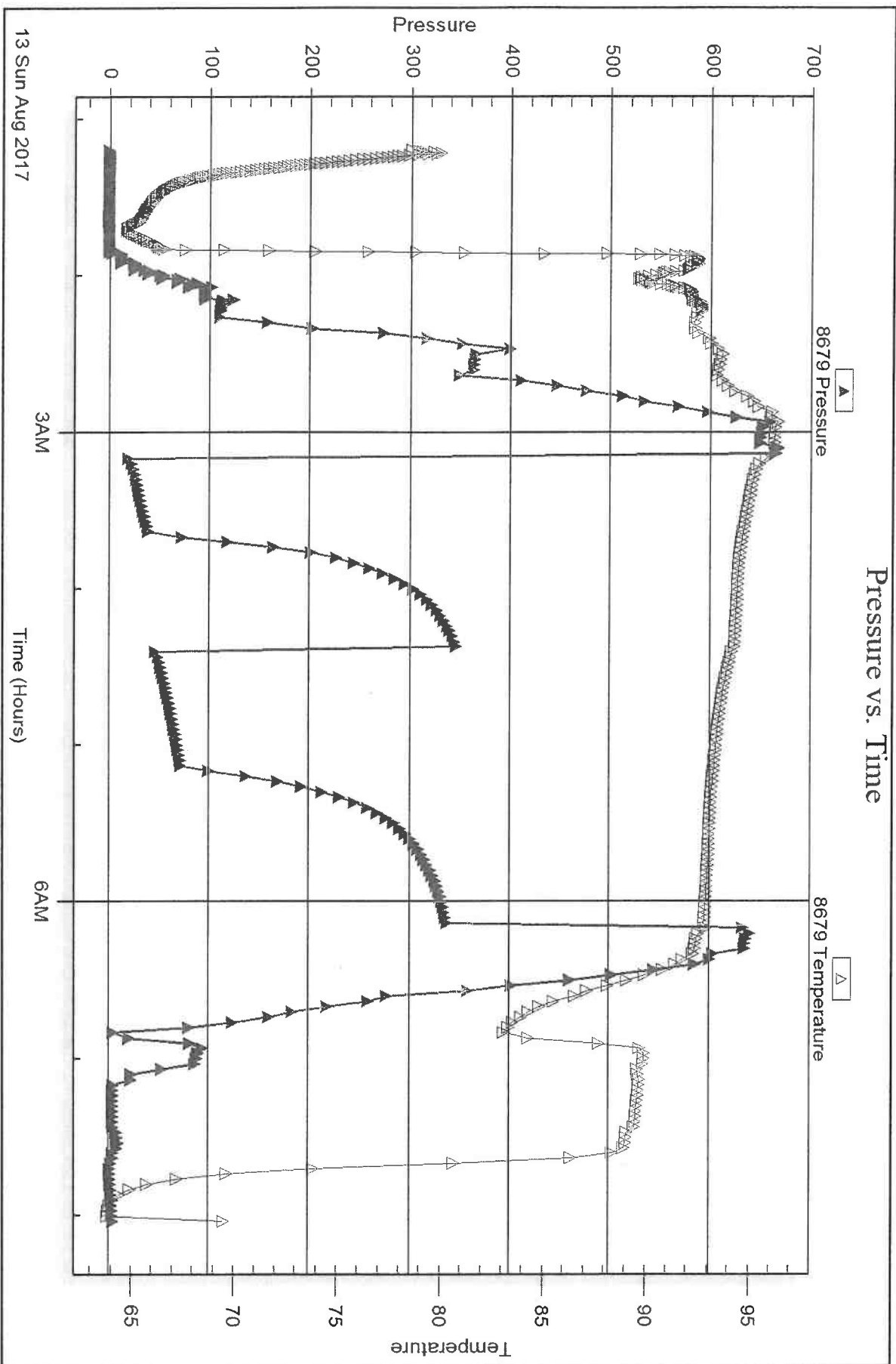


Serial #: 8679

Outside Vess Oil Corp.

Chesney A #241

DST Test Number: 1



13 Sun Aug 2017

3 AM

Time (Hours)

6 AM

Trilobite Testing, Inc

Ref. No: 63585

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