

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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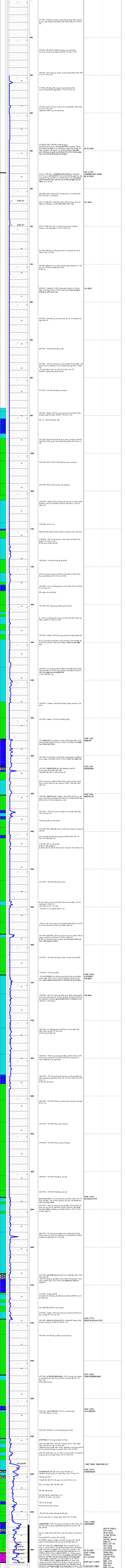
**ROGER L. MARTIN**  
INDEPENDENT PETROLEUM GEOLOGIST 316-250-0970

**GEOLOGIST'S REPORT**  
DRILLING TIME AND SAMPLE LOG

COMPANY <b>VESS OIL CORPORATION</b>		ELEVATIONS	
LEASE <b>MOLEK 'A' #37</b>		KB <b>1368'</b>	GL <b>1359'</b>
FIELD <b>EL DORADO</b>		Measurements Are All From <b>KB</b>	
LOCATION <b>1980' FNL &amp; 2310' FEL</b>		API # <b>15-01-5-24126-0000</b>	
SECTION <b>32</b>	TOWNSHIP <b>25S</b>	RANGE <b>05E</b>	
COUNTY <b>BUTLER</b>	STATE <b>KANSAS</b>		
CONTRACTOR <b>C&amp;G DRILLING, RIG #2</b>		CASING	
SPUD <b>07/16/2019</b>	COMP <b>07/19/2019</b>	SURFACE <b>6.30" 6.8" 2.80" 1.8" ut @ 252'</b>	
RTD <b>2467'</b>	LTD <b>n/a</b>	w/150' x 1.5" Class A 3.5% C <sub>2</sub> 2" up	
No Open Hole E-logs		PRODUCTION <b>59 jcs @ 12' 15.50m</b>	
ELECTRICAL SURVEYS		MS-48 ut @ 245' w/150' vs HSC	

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
ADMIRE SAND	--	689' (+739)	07152019-MIRU C&G Drilling, Rig #2
OREAD	--	1378' (-47)	07152019- Flank R1 & SFUD 12 1/4" hole @ 11.30AM. DTD of 267', ut 6.30" 6.8" 2.80" casing @ 232' and cemented 150' vs w/ 2.5% CC, 2.5% gel. Flow from @ 5-50' P/L.
HEEBNER	--	1445' (-47)	
DOUGLAS	--	1485' (-44)	
LANSING	--	1699' (-322)	07172019- Drilled out under surface. Current depth: 515' @ 7:30 AM.
KANSAS CITY	--	1984' (-416)	07182019- Current depth: 2386' @ 7:30AM. Perform bit rip and TH1 w/ ut cone bit.
BASE KANSAS CITY	--	2145' (-777)	07192019- DTD of 2467'. POOH to run DST w/ Vitr. Mud properties: 9.2api, 49-vc, 30000 ICM.
CHECKERBOARD	--	2219' (-811)	
HEFLER SD	--	NONE	
ALTAMONT	--	2265' (-897)	
CHEROKEE	--	2345' (-977)	
ARDMORE	--	2414' (-1046)	
VIOLA	--	2454' (-1086)	
RTD	--	2467' (-1099)	

**REMARKS:**  
 RH1 w/packer chn. 1.11 in and 0.91 in @ 512'; 1.5 60m W/O. 55 casing (hooked on jk 65, centralizers on jk 65, 9, 9, 11, 16, 25, and 29). Tagged bottom with landing ft. picked up -12', dropped ball, and packer chn. circled 1.5 hours, pumped 12 bbls mud flush and cemented w/ 150' x 1.5" displaced cement and banded along w/ 11.30 AM. 1380' bit back to track. Float equipment held. Avg lift pressure of 478 psi.  
 Respectfully submitted,  
 Roger L. Martin, Geologist (with title)







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
1700 N Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**32-25S-5E Butler, KS**

**Moler A #37**

Job Ticket: 63947

**DST#: 1**

Test Start: 2019.07.19 @ 02:43:00

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:32:00

Time Test Ended: 10:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 65

**Interval: 2417.00 ft (KB) To 2467.00 ft (KB) (TVD)**

Reference Elevations: 1368.00 ft (KB)

Total Depth: 2467.00 ft (KB) (TVD)

1359.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8369 Inside**

Press@RunDepth: 110.27 psig @ 2429.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.19

End Date:

2019.07.19

Last Calib.:

2019.07.19

Start Time: 02:43:01

End Time:

10:33:00

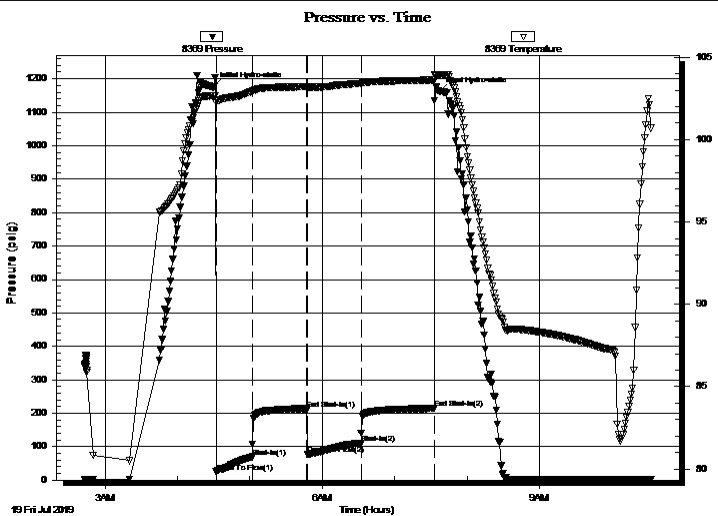
Time On Btm:

2019.07.19 @ 04:30:00

Time Off Btm:

2019.07.19 @ 07:37:00

TEST COMMENT: IF - Weak blow building to 8"  
FF - Weak blow building to 6"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1175.38	102.66	Initial Hydro-static
2	24.74	102.25	Open To Flow (1)
32	69.42	102.93	Shut-In(1)
77	213.25	103.21	End Shut-In(1)
78	76.71	103.18	Open To Flow (2)
122	110.27	103.42	Shut-In(2)
183	214.52	103.62	End Shut-In(2)
187	1162.17	103.95	Final Hydro-static

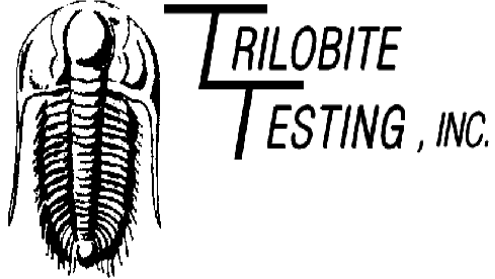
## Recovery

Length (ft)	Description	Volume (bbl)
135.00	OCM 13%O & 87% M	0.66
90.00	Clean Oil 100% O	0.53
0.00	TS O&SWCM 24%O 7%W 69%M	0.00

## Gas Rates

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





## DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

### **Moler A #37**

### **32-25S-5E Butler, KS**

Start Date: 2019.07.19 @ 02:43:00

End Date: 2019.07.19 @ 10:33:00

Job Ticket #: 63947                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.22 @ 15:47:45





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
1700 N Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**32-25S-5E Butler, KS**

**Moler A #37**

Job Ticket: 63947

**DST#: 1**

Test Start: 2019.07.19 @ 02:43:00

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:32:00

Time Test Ended: 10:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 65

**Interval: 2417.00 ft (KB) To 2467.00 ft (KB) (TVD)**

Reference Elevations: 1368.00 ft (KB)

Total Depth: 2467.00 ft (KB) (TVD)

1359.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8369 Inside**

Press@RunDepth: 110.27 psig @ 2429.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.19

End Date:

2019.07.19

Last Calib.:

2019.07.19

Start Time:

02:43:01

End Time:

10:33:00

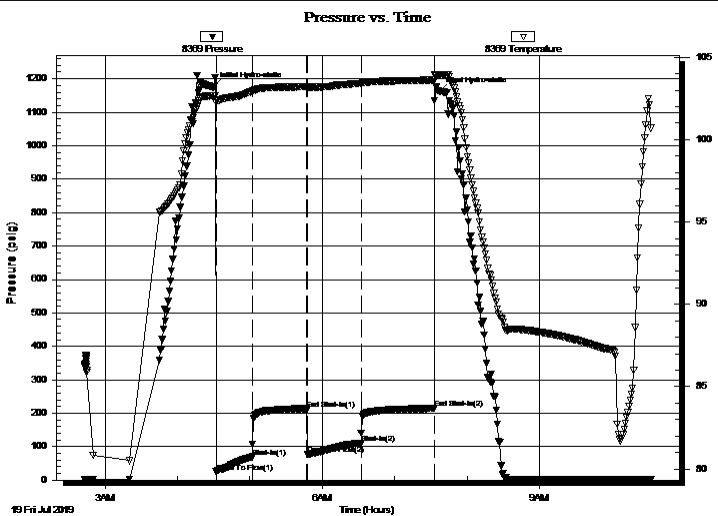
Time On Btm:

2019.07.19 @ 04:30:00

Time Off Btm:

2019.07.19 @ 07:37:00

TEST COMMENT: IF - Weak blow building to 8"  
FF - Weak blow building to 6"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1175.38	102.66	Initial Hydro-static
2	24.74	102.25	Open To Flow (1)
32	69.42	102.93	Shut-In(1)
77	213.25	103.21	End Shut-In(1)
78	76.71	103.18	Open To Flow (2)
122	110.27	103.42	Shut-In(2)
183	214.52	103.62	End Shut-In(2)
187	1162.17	103.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
135.00	OCM 13%O & 87% M	0.66
90.00	Clean Oil 100% O	0.53
0.00	TS O&SWCM 24%O 7%W 69%M	0.00

## Gas Rates

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





**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
1700 N Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

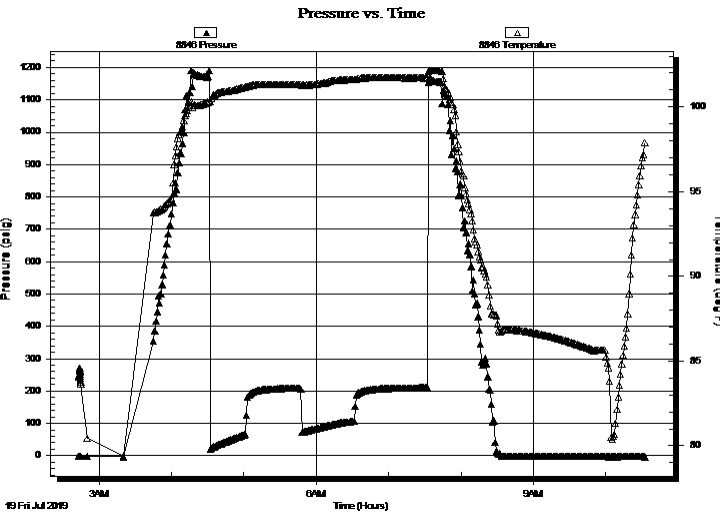
**32-25S-5E Butler, KS**  
**Moler A #37**  
Job Ticket: 63947 **DST#: 1**  
Test Start: 2019.07.19 @ 02:43:00

### GENERAL INFORMATION:

Formation: **Viola**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 04:32:00  
Time Test Ended: 10:33:00  
Interval: **2417.00 ft (KB) To 2467.00 ft (KB) (TVD)**  
Total Depth: 2467.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 1368.00 ft (KB)  
1359.00 ft (CF)  
KB to GR/CF: 9.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 65

**Serial #: 8846 Outside**  
Press@RunDepth: psig @ 2429.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2019.07.19 End Date: 2019.07.19 Last Calib.: 2019.07.19  
Start Time: 02:43:01 End Time: 10:32:50 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF - Weak blow building to 8"  
FF - Weak blow building to 6"



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
135.00	OCM 13%O & 87% M	0.66
90.00	Clean Oil 100% O	0.53
0.00	TS O&SWCM 24%O 7%W 69%M	0.00

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vess Oil Corporation

**32-25S-5E Butler, KS**

1700 N Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Moler A #37**

Job Ticket: 63947

**DST#: 1**

Test Start: 2019.07.19 @ 02:43:00

## Tool Information

Drill Pipe:	Length: 2206.00 ft	Diameter: 3.80 inches	Volume: 30.94 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 59000.00 lb
			<u>Total Volume: 32.00 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	2417.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			2391.00	
Shut In Tool	5.00			2396.00	
Hydraulic tool	5.00			2401.00	
Jars	5.00			2406.00	
Safety Joint	2.00			2408.00	
Packer	5.00			2413.00	27.00 Bottom Of Top Packer
Packer	4.00			2417.00	
Stubb	1.00			2418.00	
Perforations	10.00			2428.00	
change Over Sub	1.00			2429.00	
Recorder	0.00	8369	Inside	2429.00	
Recorder	0.00	8846	Outside	2429.00	
Blank Spacing	31.00			2460.00	
Change Over Sub	1.00			2461.00	
Perforations	3.00			2464.00	
Bullnose	3.00			2467.00	50.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>77.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vess Oil Corporation

**32-25S-5E Butler, KS**

1700 N Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Moler A #37**

Job Ticket: 63947

**DST#: 1**

Test Start: 2019.07.19 @ 02:43:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
135.00	OCM 13%O & 87% M	0.664
90.00	Clean Oil 100% O	0.534
0.00	TS O&SWCM 24%O 7%W 69%M	0.000

Total Length: 225.00 ft

Total Volume: 1.198 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



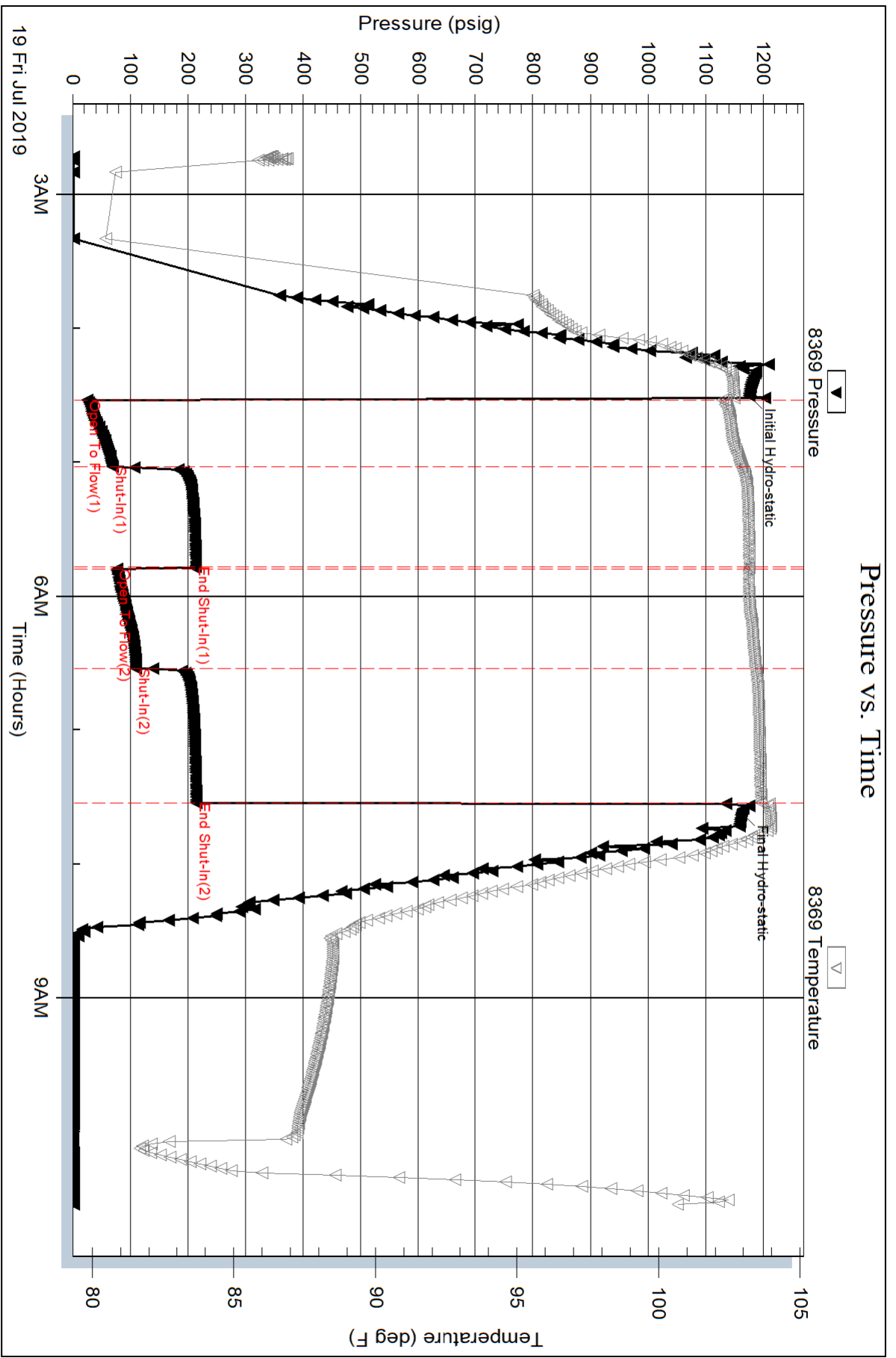
Serial #: 8369

Inside

Vess Oil Corporation

Moler A #37

DST Test Number: 1

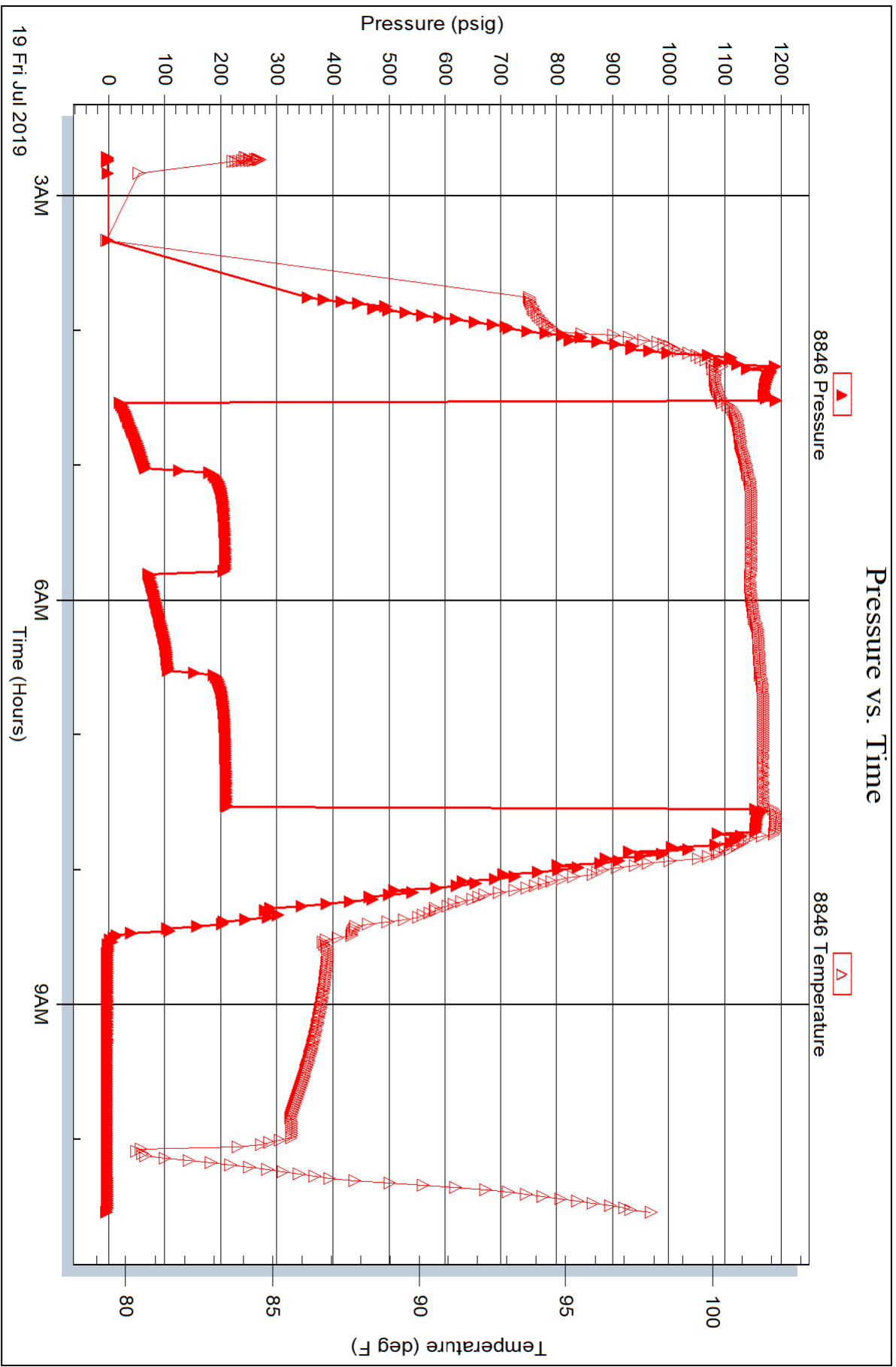


Serial #: 8846

Outside Vess Oil Corporation

Moler A #37

DST Test Number: 1







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63947

Well Name & No. Moler A #37 Test No. 1 Date 7-19-19  
 Company Vess Oil Corp. Elevation 1368 KB 1359 GL  
 Address 1700 N. Waterfront Parkway Bldg 500 Wichita, KS. 67206-6619  
 Co. Rep / Geo. Dylan Klaus / Roger Martin Rig C+G #1  
 Location: Sec. 32 Twp 25 S Rge. 5 E Co. Butler State KS

Interval Tested 2417-2467 Zone Tested Viola  
 Anchor Length 50' Drill Pipe Run 2206 Mud Wt. 9.3  
 Top Packer Depth 2412 Drill Collars Run 215 Vis 44  
 Bottom Packer Depth 2417 Wt. Pipe Run 0 WL 11.2  
 Total Depth 2467 Chlorides 1100 ppm System LCM  
 Blow Description IF-weak blow building to 8 inches IFP  
FF-weak blow building to 6 inches FFP

Rec	Feet of	%gas	%oil	%water	%mud
90	clean oil		100		
135	OCM		13		87
TS	O+SWCM		24	7	69

Rec Total 225 BHT 104 Gravity 39.0 API RW @ ° F Chlorides ppm  
 (A) Initial Hydrostatic  Test 1200 T-On Location 0150  
 (B) First Initial Flow  Jars 250 T-Started 0243  
 (C) First Final Flow  Safety Joint 75 T-Open 0432  
 (D) Initial Shut-In  Circ Sub T-Pulled 0732  
 (E) Second Initial Flow  Hourly Standby T-Out 1030  
 (F) Second Final Flow  Mileage 214rt RT 92 Comments  
 (G) Final Shut-In  Sampler  
 (H) Final Hydrostatic  Straddle  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total 1739

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60

Approved By Roger Martin Our Representative Jimmy Rutledge  
 Sub Total 1739  
 Total 1739  
 MP/DST Disc't

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

## ATTACHMENT TO ACO-1

### Moler A #37 – API #15-015-24126-0000

1980' FNL & 2310' FEL

Sec 32-25S-5E

Butler Co, KS

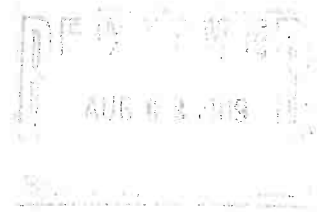
<b>DST #1:</b>	<b>Viola</b>		
<b>Depth:</b>	<b>2454 - 2467'</b>		
<b>1st Open:</b>	Weak blow building to 8"		
<b>2nd Open:</b>	Weak blow building to 6"		
<b>Rec:</b>	90' of clean oil, 135' of OCM (13%O & 87%M)		
	Tool sample: O&SWCM (24%O, 7%W, 69%M)		
<b>IHP:</b>	1175	<b>FHP:</b>	1162 psi
<b>IFP:</b>	25-69 psi	<b>FFP:</b>	77-110 psi
<b>ISIP:</b>	213 psi	<b>FSIP:</b>	215 psi
<b>Temp:</b>	104*		

Estimated Tops Zone	Moler A #37 (sample) KB 1368		Moler A #37 (logs) KB 1368	
	Depth	(Datum)	Depth	(Datum)
ADMIRE SAND	629	(+739)	626	+ 742
OREAD	1378	(-10)	1376	-8
HEEBNER	1415	(-47)	1413	-45
DOUGLAS	1452	(-84)	1449	-81
LANSING	1690	(-322)	1691	-323
KANSAS CITY	1984	(-616)	1983	-615
B/KANSAS CITY	2145	(-777)	2145	-777
CHECKERBOARD	2219	(-851)	2216	-848
HEPLER SAND	NONE	NA	NONE	NONE
ALTAMONT	2265	(-897)	2262	-894
CHEROKEE	2345	(-977)	2344	-976
ARDMORE	2414	(-1046)	2414	-1046
VIOLA	2454	(-1086)	2454	-1086
SIMPSON SAND	NP	NP	NP	NP
PTD	2467	(-1099)	2467	-1099





**HURRICANE SERVICES INC**



Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:  
VESS OIL CORP.  
1700 N WATERFRONT PKWY  
BLDG 500  
WICHITA, KS 67206

Invoice Date: 7/16/2019  
Invoice #: 0342758  
Lease Name: Moler A  
Well #: 37 (New)  
County: Butler  
Job Number: ICT2146

Date/Description	HRS/QTY	Rate	Total
	0.000	0.000	0.00
Surface	30.000	3.600	108.00
Heavy Eq Mileage	220.000	1.350	297.00
Ton Mileage	1.000	675.000	675.00
Pump truck #271 H-325	150.000	18.000	2,700.00

**Total** 3,780.00

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**

250 N. Water St., Suite #200  
 Wichita, KS 67202



HURRICANE SERVICES INC

Customer	Vess Oil	Lease & Well #	Motor A 37	Date	7/16/2019	
Service District	Madison	County & State	Butter Co., KS	Legals S/T/R	32-25s-5e	
Job Type	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> IN <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Job #	
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			Ticket #	
271	Kevin	<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging	
240	T.C	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection	
77	Jake H	<input checked="" type="checkbox"/> Safety Footwear	<input checked="" type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations	
		<input checked="" type="checkbox"/> PPE/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations	
		<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below		
<b>Comments</b>						
Cement 250 of 8 5/8" surface casing inside 12 25" hole. Calculated excess: 100%. Water available on the rig						
Product/Service Code	Description	Unit of Measure	Quantity	Net Amount		
M010	Heavy Equipment Mileage	mi	30.00		\$108.00	
M020	Ton Mileage	tm	270.00		\$297.00	
C010	Cement Pump	ea	1.00		\$675.00	
CP015	H-325	sack	150.00		\$2,700.00	
Customer Section: On the following scale how would you rate Hurricane Services Inc.?						
Based on this job, how likely is it you would recommend HSI to a colleague?				Total Taxable	\$ -	
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 10				Tax Rate:		
				State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax:	\$ -
				Total:	\$ 3,780.00	
				HSI Representative:	Jake Heard	

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1.5% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discounts is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discounts based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ CUSTOMER AUTHORIZATION SIGNATURE



**CEMENT TREATMENT REPORT**

Customer:	Vess Oil	Well:	Moler A 37	Ticket:	ICT 2146
City, State:		County:	Butler, KS	Date:	7/16/2019
Field Rep:	Judd	S-T-R:	8/25s/5e	Service:	Surface

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	267 ft
Casing Size:	8.625 in
Casing Depth:	254.91 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	15.42 bbls

Slurry	
Weight:	14.5 # / sx
Water / Sx:	7.44 gal / sx
Yield:	1.49 ft <sup>3</sup> / sx
Bbls / Ft:	0.0735
Depth:	267 ft
Volume:	19.84 bbls
Excess:	100% %
Total Slurry:	39.8 bbls
Total Sacks:	150 sx

Cement Blend		
Product	%	#
Class A	100.0	14100
Gel	2.0	282
CaCl	3.0	423
Metso		
KolSeal		
PhenoSeal	0.5	75
Salt		
<b>Total</b>		<b>14,880</b>

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
3:00 PM				On location safety meeting					
				Spot in and rig up					
				Wait on rig					
5:15 PM				Hook up to casing					
	4.0	50.0	10.0	Break circulation					
	4.0	50.0	39.8	Mix and pump cement					
	4.0	-		Wash up pump					
	4.0	40.0		Continue displacement					
	2.0		15.3	Stop					
5:50 PM		40.0		Shut in well					

CREW		UNIT	SUMMARY		
Cementer:	Jake H	77	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Kevin	271	3.6 bpm	36.00 psi	65.10 bbls
Bulk #1:	T.C	240			
Bulk #2:					





**HURRICANE SERVICES INC**

PAID  
AUG 05 2019

Ship To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:

VESS OIL CORP.  
1700 N WATERFRONT PKWY  
BLDG 500  
WICHITA, KS 67206

Invoice Date: 7/19/2019  
Invoice #: 0342897  
Lease Name: Moler A  
Well #: 37 (New)  
County: Butler  
Job Number: ICT2164

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Pump truck #271	1.000	1,275.000	1,275.00
Heavy Eq Mileage	30.000	3.400	102.00
Light Eq Mileage	30.000	1.700	51.00
Ton Mileage	322.000	1.275	410.55
H-Plug	50.000	11.050	552.50
HSC Blend	150.000	20.400	3,060.00
Mud flush	500.000	0.850	425.00
Centralizers 5 1/2"	7.000	51.000	357.00
Cement baskets 5 1/2"	1.000	255.000	255.00
5 1/2" LD Plug & Baffle	1.000	297.500	297.50
Type A Packer shoe 5 1/2"	1.000	1,570.000	1,570.00

**Total** 8,355.55

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**

100 N. Water St., Suite #200  
 Wichita, KS 67202



Customer	Vass Oil	Lease & Well #	Moler A 37	Date	7/19/2019	
Service District	Madison, KS	County & State	Butler	Legal S/T/R	Job #	
Job Type	Longstring	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket #	
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures				
271	Kevin	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging	
240	T.C	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection	
77	Jake H	<input checked="" type="checkbox"/> Safety Footwear	<input checked="" type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations	
	Garrett S.	<input checked="" type="checkbox"/> PPE/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations	
		<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below		
<b>Comments</b>						
Cement Longstring on C&G Rig #2.						
Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount		
cd15	Cement Pump	ea	1.00		\$1,275.00	
m010	Heavy Equipment Mileage	mi	30.00		\$102.00	
m015	Light Equipment Mileage	mi	30.00		\$51.00	
m020	Ton Mileage	tm	322.00		\$410.55	
cp055	H-Plug	sack	50.00		\$552.50	
cp031	HSC	sack	150.00		\$3,060.00	
cp170	Mud Flush	gal	500.00		\$425.00	
fe125	5 1/2" Centralizer	ea	7.09		\$357.00	
fe130	5 1/2" Cement Basket	ea	1.00		\$255.00	
fe170	5 1/2" Latch Down Plug & Baffle	ea	1.00		\$297.50	
fe175	5 1/2" Type A Packer Shoe	ea	1.00		\$1,570.00	
Customer Section: On the following scale how would you rate Hurricane Services Inc.?					Net:	\$8,355.55
Based on this job, how likely is it you would recommend HSI to a colleague?			Total Taxable	\$ -	Tax Rate:	
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10   Extreme Likelihood			State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax:	\$ -	
			Total:	\$	8,355.55	
HSI Representative: <b>Jake Heard</b>						

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X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**