

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 316-250-6970

## GEOLOGIST'S REPORT

### DRILLING TIME AND SAMPLE LOG

<b>COMPANY</b> VESS OIL CORPORATION	<b>ELEVATIONS</b>
<b>LEASE</b> ED OSWALD 'B' #11	<b>KB</b> 1849' <b>GL</b> 1844'
<b>FIELD</b> FAIRPORT	<b>Measurements Are All From</b> KB
<b>LOCATION</b> 1980' FSL & 660' FWL	<b>API #</b> 15-167-24096
<b>SECTION</b> 8 <b>TOWNSHIP</b> 12S <b>RANGE</b> 15W	
<b>COUNTY</b> RUSSELL <b>STATE</b> KANSAS	
<b>CONTRACTOR</b> MURFIN RIG #108	<b>CASING</b>
<b>SPUD</b> 10/08/2019 <b>COMP</b> 10/16/2019	<b>SURFACE</b> 8 5/8" set @ 346' w/250 ss 60/40 Ppz, 3% CC, 2% gel
<b>RTD</b> 3254' <b>LTD</b> 3253'	<b>PRODUCTION</b> 79 jbs 1/2" 15.50 MW-55 set w/150 ss AA2, 130 ss A-con
<b>ELECTRICAL SURVEYS</b>	
ELI: DIL, MEL, CDL/CNL/PE	

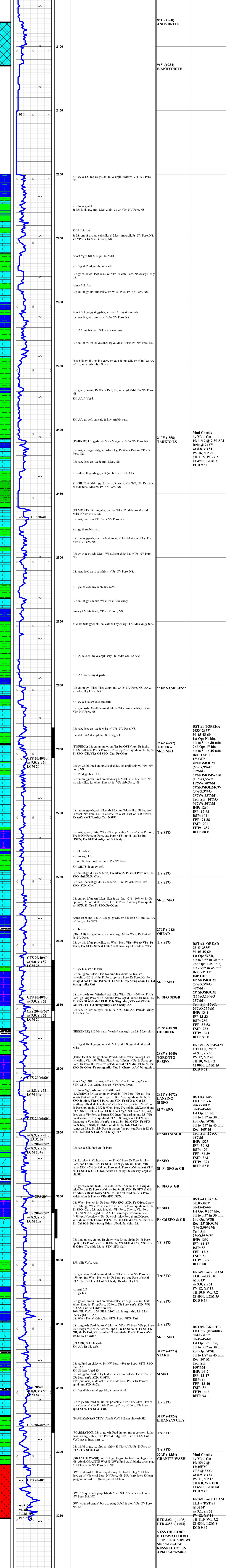
FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
ANHYDRITE	876' (+973)	881' (+968)	10/08/2019- MIRU MDC Rig #108, SPUD 12 1/4" hole @ 7:30 PM. Run 8 jbs 8 5/8" csg, set @ 346' w/250 ss 60/40 Ppz, 3% CC, 2% gel. Plug down @ 6:15 AM 10/09/2019.
BASE ANHYDRITE	912' (+937)	915' (+934)	
TARKIO LS	2466' (-557)	2407' (-558)	10/09/2019- WOC @ 346'.
TOPEKA	2648' (-799)	2646' (-797)	10/10/2019- DTD 1650' @ 7:30 AM. Mud up, Wt 9.3, vis 30
OREAD	2790' (-941)	2792' (-943)	10/11/2019- DTD 2424' @ 7:30 AM. Wt 8.8, vis 51, LCM #
HEEBNER	2869' (-1020)	2869' (-1020)	10/12/2019- CTCH @ 2657'. Run DST #1. MW 9.0, vis 57, WL 7.2, CI 4900, LCM 2#.
TORONTO	2887' (-1038)	2889' (-1040)	10/12/2019- DTD 2855' @ 6:05 PM. Run DST #2.
LANSING	2920' (-1071)	2921' (-1072)	
STARK	3120' (-1271)	3122' (-1273)	10/13/2019- DTD 2886' @ 7:30 AM. Wt 9.1, vis 55, LCM #. Lost circ @ -2892'.
B/KANSAS CITY	3170' (-1321)	3173' (-1324)	Increased LCM to 100, lost -40 bbl mud. Run DST #3, Spot 80 bbl 40/bbl pill in prep for DST.
GRANITE WASH/GRANITE	3264' (-1355)	3203' (-1354)	
RTD/LTD	3253' (-1404)	3254' (-1405)	10/14/2019- DTD 3013' @ 7:30 AM. Wt 9.0, vis 51, LCM #
			10/15/2019- CFS 3150' @ 7:30 AM. Wt 8.9, vis 64, LCM #, DTD 3254' RTD.
			10/16/2019- Run E-logs & THH for DST #5 straddle LCM #.

**REMARKS:**

Run 79 jbs new 5 1/2" MW-55 casing. Set casing 1' off bottom @ 3253'. DV @ 890'. Cemented 1st stage w/150 ss AA-2 (10% gypsum + 10% salt, + 6 pps albionite, + 1/4 pps cello-flake, + 0.5 fluid loss, + 0.5 defoamer), dropped plug and displaced w/ 55 bbl water & 21.5 bbl mud. Had 3000' of lift pressure. Dumped plug w/ 15000' @ 12:45 AM 10/17/2019. Head. Insert should be 3211'. Dropped DV opening tool, opened, circ'd w/ rig @ cemented w/130 ss A-Con Blend (3% CC, 1/4 pps cello-flake). Cement did circ to surface (-20 bbl circ). Centralizers on top of it #1, 2, 5, 10, 12, 15, 20, & 60. Baskets on [ #7 & #79, J1-#79 was moved between 55 & 56 @ -912'.

\*\* E-Log tops by P. Ramondetta, Geologist, VCO

Respectfully submitted,  
Roger L. Martin, Geologist, Wellsite





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**24**  
 2019

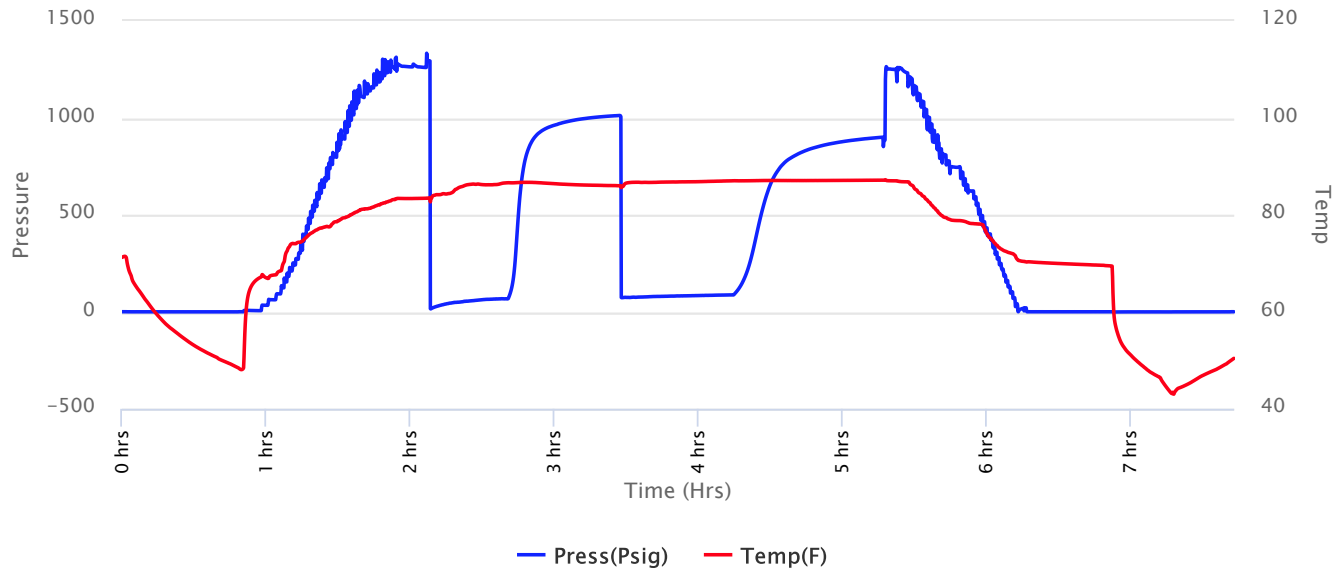
**DST #1      Formation: Topeka      Test Interval: 2633 - 2657'      Total Depth: 2657'**

Time On: 22:32 10/24      Time Off: 06:01 10/12  
 Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

Electronic Volume  
 Estimate:  
 149'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: 5" at 30 min	Current Reading: .1" at 45 min	Current Reading: 5" at 45 min	Current Reading: 0" at 60 min
Max Reading: 5"	Max Reading: .1"	Max Reading: 5"	Max Reading: .5"

Inside Recorder





# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**24**  
 2019

**DST #1**      **Formation: Topeka**      **Test Interval: 2633 - 2657'**      **Total Depth: 2657'**  
 Time On: 22:32 10/24      Time Off: 06:01 10/12  
 Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

Recovered

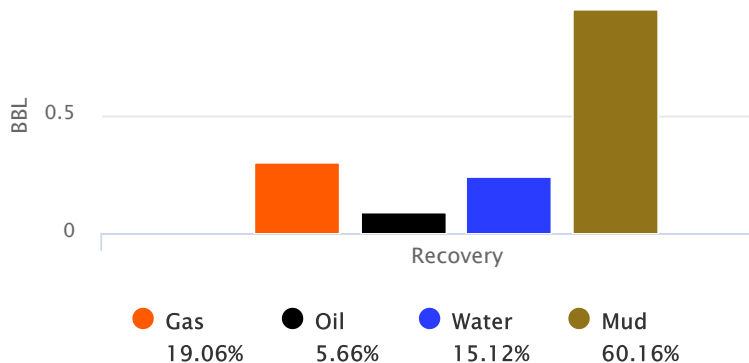
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
15	0.21345	G	100	0	0	0
48	0.68304	SLGCSLOCM	6	9	0	85
63	0.3737335	SLOCSLGCSLWCM	10	5	15	70
63	0.30996	SLGCSLOCHMCW	3	3	59	35

Total Recovered: 189 ft  
 Total Barrels Recovered: 1.5801835

Reversed Out  
 NO

Initial Hydrostatic Pressure	1260	PSI
Initial Flow	17 to 68	PSI
<b>Initial Closed in Pressure</b>	<b>1011</b>	<b>PSI</b>
Final Flow Pressure	74 to 88	PSI
<b>Final Closed in Pressure</b>	<b>901</b>	<b>PSI</b>
Final Hydrostatic Pressure	1257	PSI
Temperature	88	°F
Pressure Change Initial Close / Final Close	10.9	%

**Recovery at a glance**



GIP cubic foot volume: 1.69055



# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

### Operation:

Uploading recovery &  
pressures

### DATE

October

**24**

2019

**DST #1      Formation: Topeka      Test Interval: 2633 -      Total Depth: 2657'**  
**2657'**

Time On: 22:32 10/24

Time Off: 06:01 10/12

Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

### BUCKET MEASUREMENT:

*Diesel in Bucket*

1st Open: No Blow. Built to 5 inches in 30 Mins

1st Close: Weak Blow Back

2nd Open: 1" Blow. Built to 5 inches in 45 mins

2nd Close: 1/2" Blow Back

### REMARKS:

Tool Sample: 0% Gas 10% Oil 60% Water 30% Mud

Ph: 7

Measured RW: 1.2 @ 48 degrees °F

RW at Formation Temp: 0.694 @ 88 °F

Chlorides: 20,000 ppm



# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**12**  
 2019

**DST #2**      **Formation: Oread**      **Test Interval: 2815 - 2855'**      **Total Depth: 2855'**  
 Time On: 21:15 10/12      Time Off: 04:05 10/13  
 Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

Electronic Volume Estimate:  
 122'

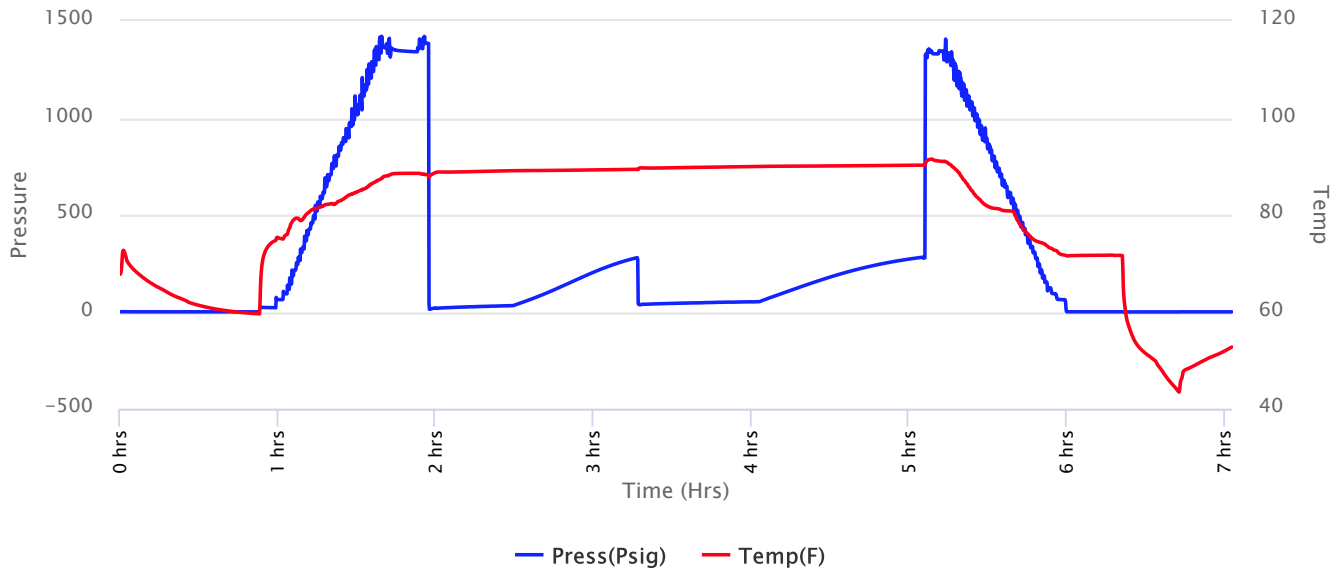
1st Open  
 Minutes: 30  
 Current Reading:  
 2.5" at 30 min  
 Max Reading: 3.4"

1st Close  
 Minutes: 45  
 Current Reading:  
 0" at 45 min  
 Max Reading: 0"

2nd Open  
 Minutes: 45  
 Current Reading:  
 1.8" at 45 min  
 Max Reading: 2.8"

2nd Close  
 Minutes: 60  
 Current Reading:  
 0" at 60 min  
 Max Reading: 0"

Inside Recorder







**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**12**  
 2019

**DST #2**      **Formation: Oread**      **Test Interval: 2815 - 2855'**      **Total Depth: 2855'**  
 Time On: 21:15 10/12      Time Off: 04:05 10/13  
 Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

Recovered

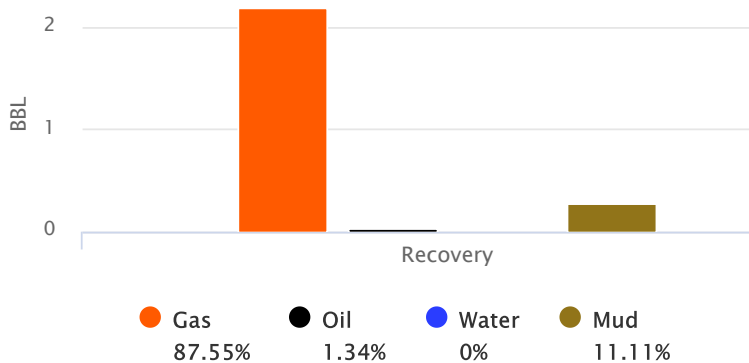
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
180	2.1317435	G	100	0	0	0
10	0.0492	SLOCSLGCM	5	5	0	90
63	0.30996	SLOCSLGCM	15	10	0	75

Total Recovered: 253 ft  
 Total Barrels Recovered: 2.4909035

Reversed Out  
 NO

Initial Hydrostatic Pressure	1341	PSI
Initial Flow	13 to 33	PSI
<b>Initial Closed in Pressure</b>	<b>280</b>	<b>PSI</b>
Final Flow Pressure	37 to 53	PSI
<b>Final Closed in Pressure</b>	<b>282</b>	<b>PSI</b>
Final Hydrostatic Pressure	1341	PSI
Temperature	91	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**



GIP cubic foot volume: 12.24353



# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

### Operation:

Uploading recovery &  
pressures

### DATE

October  
**12**  
2019

**DST #2**

**Formation: Oread**

**Test Interval: 2815 -  
2855'**

**Total Depth: 2855'**

Time On: 21:15 10/12

Time Off: 04:05 10/13

Time On Bottom: 23:09 10/12

Time Off Bottom: 02:09 10/13

### BUCKET MEASUREMENT:

*Diesel in Bucket*

1st Open: WSB. Built to 3 1/2 inches in 30 mins

1st Close: NOBB

2nd Open: 1 1/4" Blow. Built to 2 3/4 inches in 45 mins.

2nd Close: NOBB

### REMARKS:

Tool Sample: 3% Gas 20% Oil 0% Water 77% Mud



# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**14**  
 2019

**DST #3**      **Formation: Toronto-  
Lans F**      **Test Interval: 2863 -  
3013'**      **Total Depth: 3013'**

Time On: 00:43 10/14      Time Off: 07:50 10/14  
 Time On Bottom: 02:45 10/14      Time Off Bottom: 05:45 10/14

Electronic Volume  
 Estimate:  
 138'

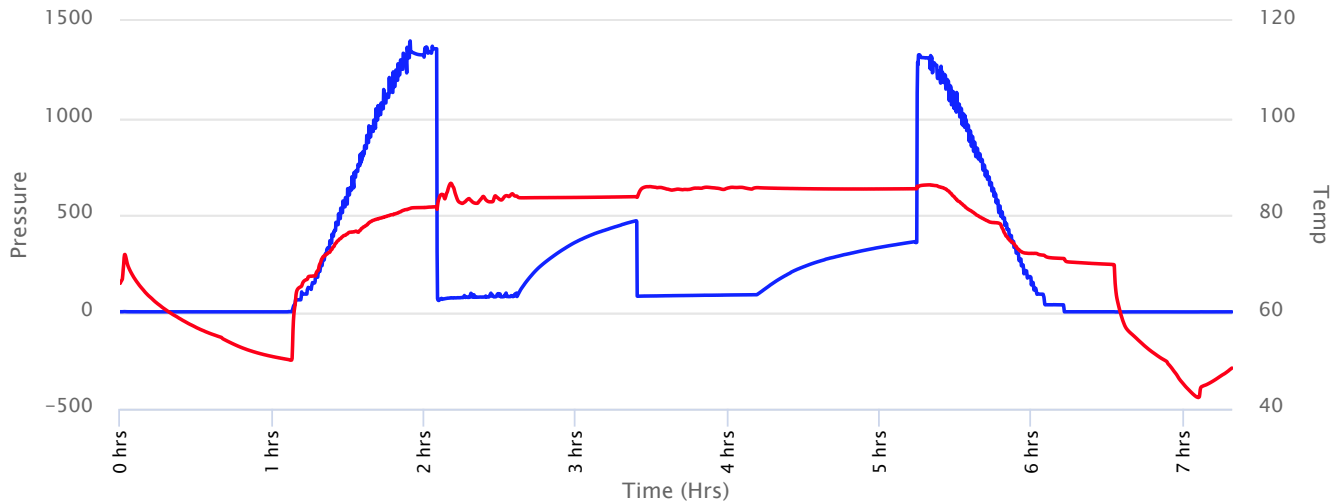
1st Open  
 Minutes: 30  
 Current Reading:  
 6.2" at 30 min  
 Max Reading: 7.5"

1st Close  
 Minutes: 45  
 Current Reading:  
 0" at 45 min  
 Max Reading: 0"

2nd Open  
 Minutes: 45  
 Current Reading:  
 .6" at 45 min  
 Max Reading: .8"

2nd Close  
 Minutes: 60  
 Current Reading:  
 0" at 60 min  
 Max Reading: 0"

Inside Recorder



— Press(Psig)    — Temp(F)



# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**14**  
 2019

**DST #3**      **Formation: Toronto-Lans F**      **Test Interval: 2863 - 3013'**      **Total Depth: 3013'**  
 Time On: 00:43 10/14      Time Off: 07:50 10/14  
 Time On Bottom: 02:45 10/14      Time Off Bottom: 05:45 10/14

Recovered

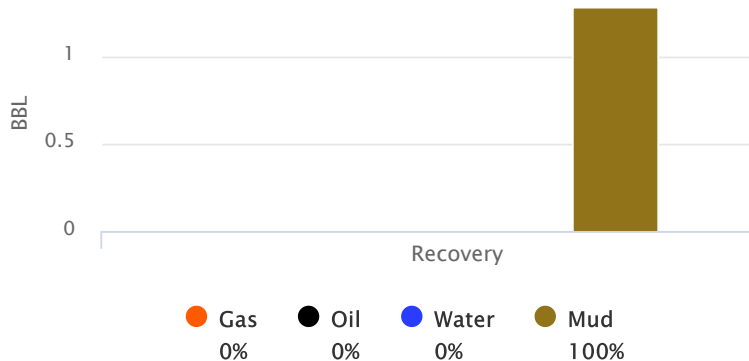
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
168	1.2813535	M	0	0	0	100

Total Recovered: 168 ft  
 Total Barrels Recovered: 1.2813535

Reversed Out  
 NO

Initial Hydrostatic Pressure	1325	PSI
Initial Flow	59 to 83	PSI
<b>Initial Closed in Pressure</b>	<b>470</b>	<b>PSI</b>
Final Flow Pressure	81 to 89	PSI
<b>Final Closed in Pressure</b>	<b>363</b>	<b>PSI</b>
Final Hydrostatic Pressure	1324	PSI
Temperature	87	°F
Pressure Change Initial Close / Final Close	22.9	%

**Recovery at a glance**



GIP cubic foot volume: 0



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**

Uploading recovery &  
pressures

**DATE**

October  
**14**  
2019

<b>DST #3</b>	<b>Formation: Toronto- Lans F</b>	<b>Test Interval: 2863 - 3013'</b>	<b>Total Depth: 3013'</b>
	Time On: 00:43 10/14	Time Off: 07:50 10/14	
	Time On Bottom: 02:45 10/14	Time Off Bottom: 05:45 10/14	

**BUCKET MEASUREMENT:**

1st Open: 1" Blow. Built to 7 1/2 inches in 30 mins  
1st Close: NOBB  
2nd Open: WSB. Built to 3/4 inch in 45 mins  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**14**  
 2019

**DST #4      Formation: Lans G      Test Interval: 3010 - 3033'      Total Depth: 3033'**  
 Time On: 13:54 10/14      Time Off: 20:31 10/14  
 Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

Electronic Volume  
 Estimate:  
 13'

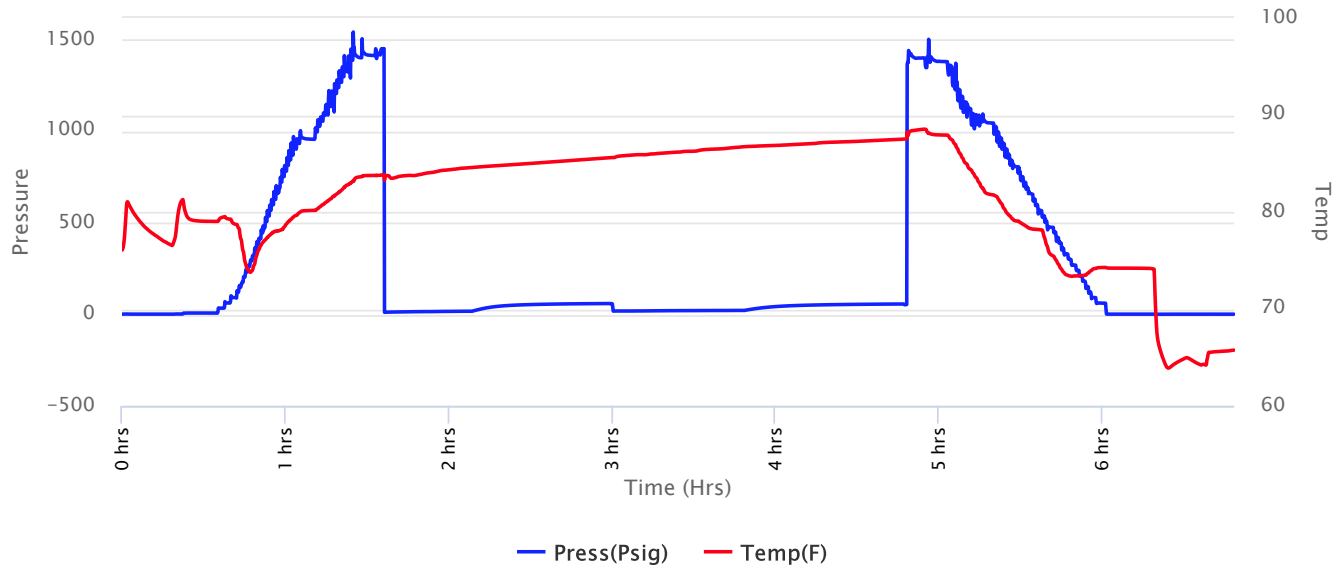
1st Open  
 Minutes: 30  
 Current Reading:  
 .5" at 30 min  
 Max Reading: .5"

1st Close  
 Minutes: 45  
 Current Reading:  
 0" at 45 min  
 Max Reading: 0"

2nd Open  
 Minutes: 45  
 Current Reading:  
 .1" at 45 min  
 Max Reading: .1"

2nd Close  
 Minutes: 60  
 Current Reading:  
 0" at 60 min  
 Max Reading: 0"

Inside Recorder





# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**14**  
 2019

**DST #4**      **Formation: Lans G**      **Test Interval: 3010 - 3033'**      **Total Depth: 3033'**

Time On: 13:54 10/14      Time Off: 20:31 10/14  
 Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

Recovered

Foot      BBLS  
 25      0.123

Description of Fluid  
 SLOCM

Gas %  
 0

Oil %  
 1

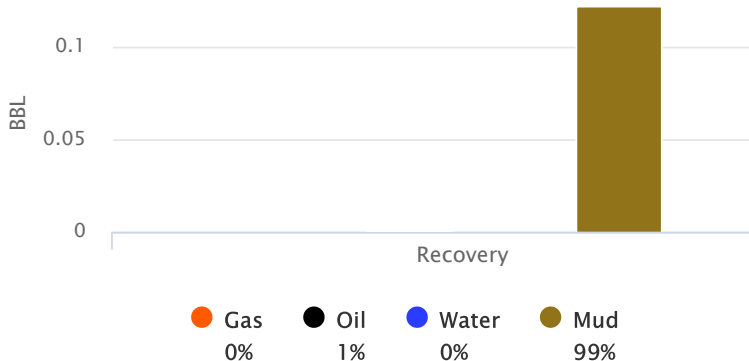
Water %  
 0

Mud %  
 99

Total Recovered: 25 ft  
 Total Barrels Recovered: 0.123

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1399	PSI
Initial Flow	11 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>58</b>	<b>PSI</b>
Final Flow Pressure	17 to 21	PSI
<b>Final Closed in Pressure</b>	<b>56</b>	<b>PSI</b>
Final Hydrostatic Pressure	1399	PSI
Temperature	88	°F
Pressure Change Initial Close / Final Close	4.2	%

GIP cubic foot volume: 0



**Company: Vess Oil Corporation**

**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W

County: RUSSELL

State: Kansas

Drilling Contractor: WW Drilling, LLC -  
Rig 108

Elevation: 1845 EGL

Field Name: Fairport

Pool: Infield

Job Number: 405

API #: 15-167-24096-00-00

**Operation:**

Uploading recovery &  
pressures

**DATE**

October

**14**

2019

**DST #4**

**Formation: Lans G**

**Test Interval: 3010 -  
3033'**

**Total Depth: 3033'**

Time On: 13:54 10/14

Time Off: 20:31 10/14

Time On Bottom: 15:28 10/14

Time Off Bottom: 18:28 10/14

**BUCKET MEASUREMENT:**

*Diesel in Bucket*

1st Open: 1/4" Blow. Built to 1/2 inch in 30 mins

1st Close: NOBB

2nd Open: Weak Surface Blow. Blow Never Built.

2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud





# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**16**  
 2019

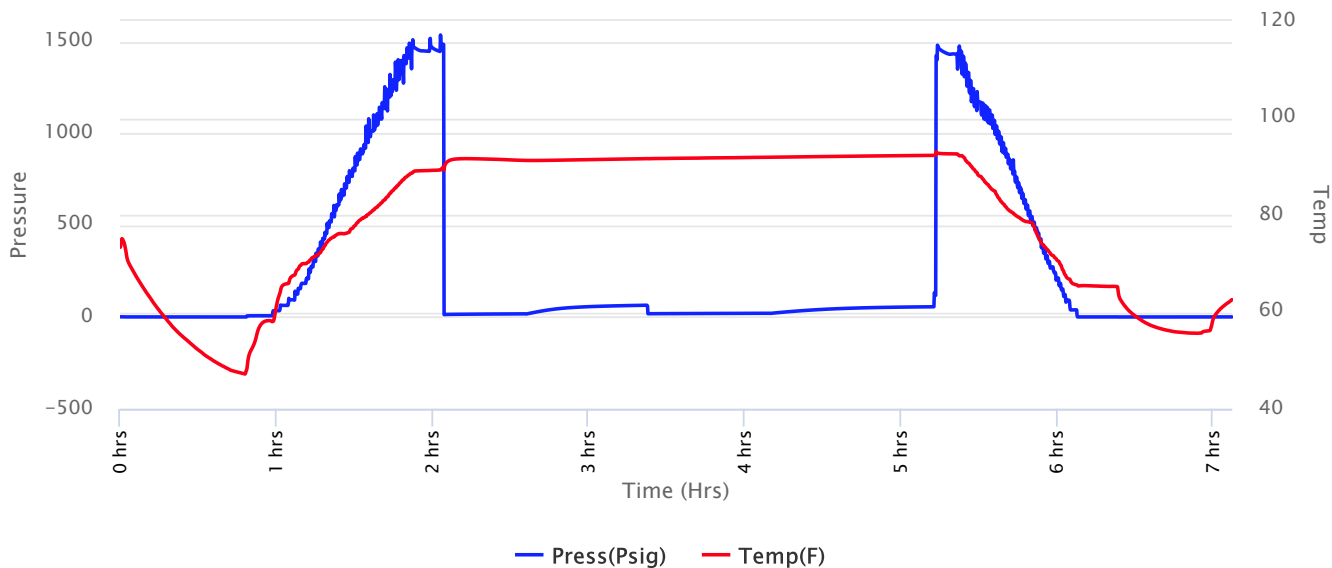
**DST #5**      **Formation: LKC H-I-J-K-L**      **Test Interval: 3042 - 3185'**      **Total Depth: 3253'**

Time On: 06:38 10/16      Time Off: 13:33 10/16  
 Time On Bottom: 08:40 10/16      Time Off Bottom: 11:40 10/16

Electronic Volume Estimate:  
 21'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: .8" at 30 min	Current Reading: 0" at 45 min	Current Reading: .15" at 45 min	Current Reading: 0" at 60 min
Max Reading: .8"	Max Reading: 0"	Max Reading: .15"	Max Reading: 0"

Inside Recorder





# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**16**  
 2019

**DST #5**      **Formation: LKC H-I-J-K-L**      **Test Interval: 3042 - 3185'**      **Total Depth: 3253'**

Time On: 06:38 10/16      Time Off: 13:33 10/16  
 Time On Bottom: 08:40 10/16      Time Off Bottom: 11:40 10/16

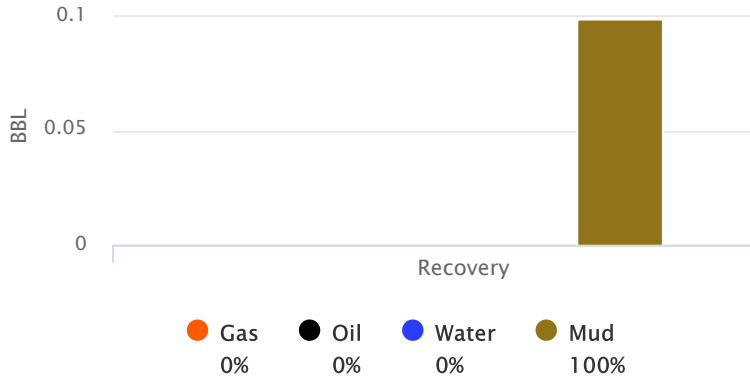
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.0984	M	0	0	0	100

Total Recovered: 20 ft  
 Total Barrels Recovered: 0.0984

**Reversed Out**  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1447	PSI
Initial Flow	13 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>64</b>	<b>PSI</b>
Final Flow Pressure	18 to 20	PSI
<b>Final Closed in Pressure</b>	<b>56</b>	<b>PSI</b>
Final Hydrostatic Pressure	1446	PSI
Temperature	93	°F
Pressure Change Initial Close / Final Close	12.3	%

GIP cubic foot volume: 0



# Company: Vess Oil Corporation

## Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

### Operation:

Uploading recovery &  
pressures

### DATE

October  
**16**  
2019

DST #5 Formation: LKC H-I- J-K-L Test Interval: 3042 - 3185' Total Depth: 3253'

Time On: 06:38 10/16 Time Off: 13:33 10/16  
Time On Bottom: 08:40 10/16 Time Off Bottom: 11:40 10/16

### BUCKET MEASUREMENT:

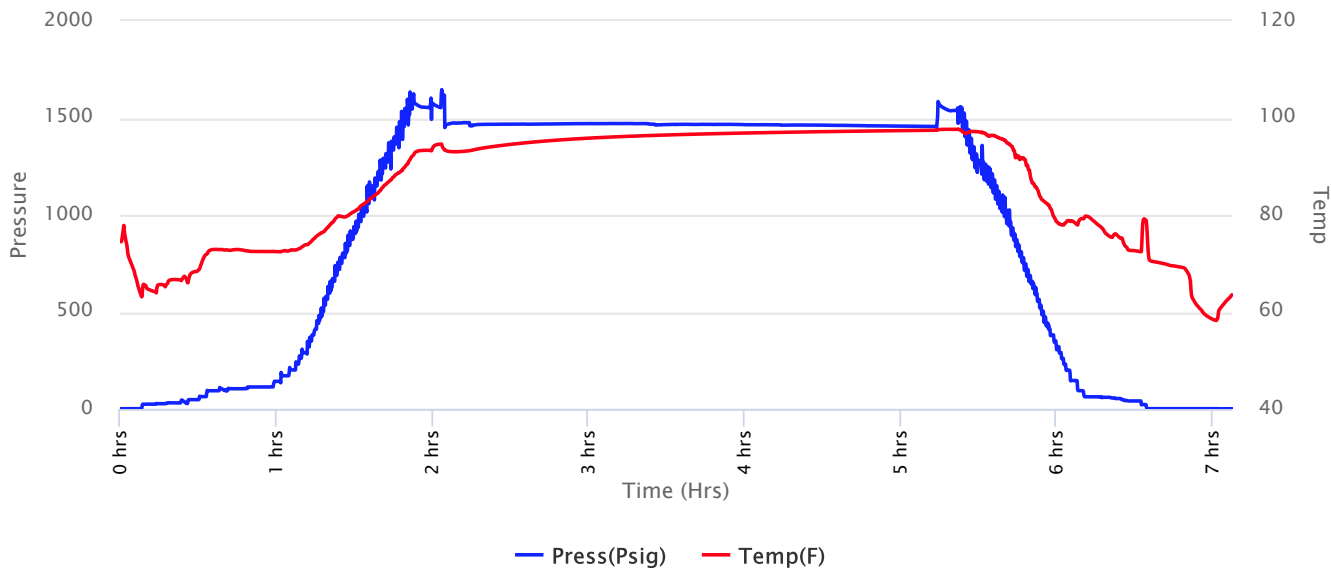
1st Open: 1/4" Blow. Built to 3/4 inch in 30 mins.  
1st Close: NOBB  
2nd Open: Weak Surface Below. Built to 1/8 inch in 45 mins  
2nd Close: NOBB

### REMARKS:

Straddle Packer Held. (1455 Pressure)

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud

### Below Straddle Recorder





PAGE 1 of 1	CUST NO 1004542	YARD # 1718	INVOICE DATE 10/10/2019
INVOICE NUMBER <b>93065240</b>			

Pratt (620) 672-1201  
 B VESS OIL CORPORATION  
 I 1700 WATERFRONT PKWY BLDG 500  
 L WICHITA  
 L KS US 67206  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Oswald, Ed B 11  
 O LOCATION  
 B COUNTY Russell  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41192492	27463		Net - 30 days	11/09/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 10/09/2019 to 10/09/2019</i>				
0041192492				
171818349A Cement-New Well Casing/Pi 10/09/2019 Cement Surface Casing				
60/40 Poz	225.00	SK	9.99	2,247.75 T
Celloflake	57.00	LB	1.48	84.36 T
Calcium Chloride	582.00	LB	0.37	215.34 T
Depth Charge, 0'-1000'	1.00	HR	444.00	444.00
Light Vehicle Mileage	100.00	MI	1.90	190.00
Ton Mileage	970.00	MI	1.17	1,134.90
Service Supervisor Charge	1.00	EA	75.00	75.00
Driver Charge	3.00	EA	35.00	105.00
Heavy Equipment Mileage	200.00	MI	3.12	624.00
Blending & Mixing Service Charge	225.00	SK	0.56	126.00

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	5,246.35
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	216.53
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	5,462.88
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



**BASIC<sup>SM</sup>**  
ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET

1718 18349 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>10-9-19</b>		DISTRICT <b>Pratt Ks. *1718</b>		NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER <b>Vess Oil Co.</b>				LEASE <b>Oswald rd B</b>			WELL NO. <b>11</b>			
ADDRESS				COUNTY <b>Russell</b>		STATE <b>Kansas</b>				
CITY		STATE		SERVICE CREW <b>Carl B Bon 6 Ricky</b>						
AUTHORIZED BY				JOB TYPE: <b>Surface 2-42</b>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME	
<b>27463</b>	<b>.75</b>					<b>10-8-19</b>			<b>8:30</b>	
<b>70959-19860</b>	<b>.50</b>					<b>ARRIVED AT JOB</b>	<b>10-9-19</b>		<b>AM</b>	
						<b>START OPERATION</b>			<b>AM</b>	
						<b>FINISH OPERATION</b>			<b>PM</b>	
						<b>RELEASED</b>			<b>PM</b>	
						<b>MILES FROM STATION TO WELL</b>			<b>100</b>	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<b>BC 132</b>	<b>60:40: P02</b>	<b>SX</b>	<b>225</b>		<b>6075</b>
<b>PC 102</b>	<b>Cello Flake</b>	<b>lb</b>	<b>57</b>		<b>228</b>
<b>PC 109</b>	<b>Calcium chloride</b>	<b>lb</b>	<b>582</b>		<b>582</b>
<b>CC 1</b>	<b>Depth charge 0-1000'</b>	<b>HR</b>	<b>1</b>		<b>1200</b>
<b>MS 101</b>	<b>Light Vehicle Mileage</b>	<b>Mi</b>	<b>100</b>		<b>500</b>
<b>ME 102</b>	<b>Heavy Equipment Mileage</b>	<b>Mi</b>	<b>200</b>		<b>1600</b>
<b>Tm</b>	<b>Ton Mileage</b>	<b>Mi</b>	<b>970</b>		<b>2910</b>
<b>CE 240</b>	<b>Blending + mixing service charge</b>	<b>SX</b>	<b>225</b>		<b>315</b>
<b>BS 143</b>	<b>Service supervisor charge</b>	<b>ea</b>	<b>1</b>		<b>75</b>
<b>BS 144</b>	<b>Driver charge</b>	<b>ea</b>	<b>3</b>		<b>105</b>

SUB TOTAL **13,590**

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<b>5246 35</b>

*[Signature]*

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE *[Signature]*

FIELD SERVICE ORDER NO. \_\_\_\_\_

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer <i>Vess Oil Corp</i>	Lease No.	Date <i>10-9-19</i>	
Lease <i>Oswald Ed B</i>	Well # <i>11</i>		
Field Order # <i>18549</i>	Station <i>Pratt, KS #1718</i>	Casing <i>8 7/8</i>	Depth <i>346'</i>
County <i>Russell</i>		State <i>Kansas</i>	
Type Job <i>Surface</i>	Formation	Legal Description <i>8-125-154</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>8 7/8</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>346</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>20 3/4</i>	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>326</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative *Dylan Klaus* Station Manager *Torstin Wertenman* Treater *Paul Babin*

Service Units <i>27463 70959 19860</i>								
Driver Names <i>Ron G</i>								

Time	Casing Pressure	Tubing Pressure	Bbbls. Pumped	Rate	Service Log
<i>2:00 AM</i>					<i>on location + Rig up</i>
					<i>Run 346' 8 7/8 casing</i>
					<i>Break circulation w/ Rig</i>
<i>5:30 AM</i>					<i>Rig up to cement</i>
	<i>100</i>		<i>3</i>	<i>3</i>	<i>start freshwater</i>
	<i>100</i>		<i>48</i>	<i>5</i>	<i>Mix + pump 225 sk 60:40: + additive</i>
	<i>100</i>		<i>20 3/4</i>	<i>5</i>	<i>Displace with 20 3/4 Bblr water</i>
<i>5:10 AM</i>	<i>100</i>				<i>leave 20' cement in pipe + shut in</i>
					<i>Cement did circulate</i>
					<i>225 x 1.21 x .1781 48 slurry</i>
					<i>28 Bbls wa-teco mix</i>
					<i>Annulus cap = 142 cu FT</i>
					<i>Have 272 = 91% excess</i>
					<i>116 Differential</i>
					<i>346 - 20 = 326 x .0637 = 20 3/4 Displ</i>



**BASIC**  
ENERGY SERVICES



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004542	1718	10/21/2019
INVOICE NUMBER			
93071573			

Pratt (620) 672-1201  
 B VESS OIL CORPORATION  
 I 1700 WATERFRONT PKWY BLDG 500  
 L WICHITA  
 L KS US 67206  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Oswald Ed B11  
 O LOCATION  
 B COUNTY Russell  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41193151	20920		Net - 30 days	11/20/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<b>For Service Dates: 10/17/2019 to 10/17/2019</b>				
0041193151				
171818382A Cement-New Well Casing/Pi 10/17/2019 Longstring				
AA2 Premium Cement	150.00	SK	8.55	1,282.50 T
A-Con Blend	170.00	EA	15.50	2,635.00 T
C-17	71.00	LB	10.80	766.80 T
C-41P	71.00	LB	1.80	127.80 T
Calcium Chloride	480.00	LB	0.45	216.00 T
Gypsum	705.00	LB	0.45	317.25 T
Gilsonite	751.00	LB	0.45	337.95 T
Salt	783.00	LB	0.22	176.17 T
Celloflake	81.00	LB	1.80	145.80 T
Mud Flush	500.00	GAL	0.68	337.50 T
Depth Charge, 3001-4000'	1.00	HR	990.00	990.00
Plug Container Utilization Charge	1.00	EA	112.50	112.50
Casing Swivel Rental	1.00	EA	200.00	200.00
Light Vehicle Mileage	100.00	MI	2.25	225.00
Heavy Equipment Mileage	200.00	MI	3.60	720.00
Ton Mileage	1,505.00	MI	1.35	2,031.75
Blending & Mixing Service Charge	320.00	SK	0.63	201.60
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	176.40	176.40
Two Stage Cement Collar, 5 1/2" (Blue)	1.00	EA	2,160.00	2,160.00
5 1/2" Basket (Blue)	2.00	EA	142.10	284.20
Turbolizer, 5 1/2" (Blue)	8.00	EA	52.80	422.40
Service Supervisor Charge	1.00	EA	75.00	75.00
Driver Charge	3.00	EA	35.00	105.00

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	14,046.62
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	539.14
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	14,585.76
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

1 of 2

TTMH  
55

FIELD SERVICE TICKET  
1718 18382 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 10-17-19 DISTRICT Pratt				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER VASS oil CORPORATION				LEASE OSWALD ED		WELL NO. B 11			
ADDRESS				COUNTY Russell		STATE KS			
CITY STATE				SERVICE CREW MATTAI MARQUEZ CLARINE					
AUTHORIZED BY				JOB TYPE: Z-42 5 1/2" 2 STAGE LONG STR					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
20926	3.5								
						ARRIVED AT JOB	10-17	AM PM	7:00
19918	1					START OPERATION	10-17	AM PM	2:20
						FINISH OPERATION		AM PM	3:36
						RELEASED		AM PM	4:15
						MILES FROM STATION TO WELL			100

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
BC 145	AA-2 Premium cement	sq	150		2,850 00
BC 118	A-con	sq	170		8,500 00
CC 187	C-17	lb	71		1,704 00
CC 105	C-41P	lb	71		284 00
CC 109	calcium chloride	lb	480		480 00
CC 113	GYP	lb	705		705 00
CC 201	SILSUNITE	lb	751		751 80
CC 111	SALT	lb	783		391 50
CC 102	cellulose	lb	81		324 00
CC 151	MUD FLUSH	gal	500		750 00
CC 4	DEPTH CHAIR 3001-4000	hr	1		2,200 00
CC 504	PLUG COAT.	ea	1		250 00
CC 501	CASING SWIVEL	ea	1		200 00
M-101	LIGHT VEH MISC	M	100		500 00
M-102	HEAVY EQ MISC	M	24		1,600 00
TM	TON MISC	M	1505		4,515 00
CC 240	BLM + MIX	sq	320		448 00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

SERVICE REPRESENTATIVE Mike Mattai	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>JW</i> Roger Martin
------------------------------------	--

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



2 of 2



**BASIC<sup>SM</sup>**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

CONTINUATION OF 18382

FIELD SERVICE TICKET

1718 ~~18383~~ A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 10-17-19 DISTRICT: Pratt				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:			
CUSTOMER: Voss oil CORPORATION				LEASE: OSWALD ED WELL NO.: 811			
ADDRESS:				COUNTY: STATE:			
CITY: STATE:				SERVICE CREW:			
AUTHORIZED BY:				JOB TYPE:			

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
						ARRIVED AT JOB		AM PM	
						START OPERATION		AM PM	
						FINISH OPERATION		AM PM	
						RELEASED		AM PM	
MILES FROM STATION TO WELL									

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CF 1251	AUTO KILL FLOAT SHOP 5 1/2	PA	1		4,500 00
CF 451	TWO STAGE CMT COLLOID 5 1/2	PA	1		580 00
CF 1901	BASKET 5 1/2	PA	2		880 00
CF 1651	TURBULIZER 5 1/2	PA	8		75 00
BC 143	SUPERVISOR	PA	1		105 00
BC 144	DRIVER	PA	3		

SUB TOTAL 32,952 50

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL 34,016 00

SERVICE REPRESENTATIVE: M. Ke Martin	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Roger Martin (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--------------------------------------	--

FIELD SERVICE ORDER NO.

Customer Vess oil company Lease No. OSWALO 50 Date 10-17-19  
 Lease ~~colton~~ Well # 42 B 11  
 Field Order # 18382 Station Pratt Casing 5 1/2 Depth County Russell State KS  
 Type Job Z-42 5 1/2" 2 stage long string Formation Legal Description 24-115-17w

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <u>5 1/2</u>	Tubing Size	Shots/Ft		Acid	<u>150 SXS AA-2</u>	RATE	PRESS	ISIP
Depth <u>3252.94</u>	Depth	From	To	Pre Pad	<u>Vess Blend</u>	Max		5 Min.
Volume <u>47.411</u>	Volume	From	To	Pad		Min		10 Min.
Max Press <u>2,000</u>	Max Press	From	To	Frac		Avg		15 Min.
Well Connection <u>PC</u>	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth <u>3210.84</u>	Packer Depth	From	To	Flush	<u>76.4</u>	Gas Volume		Total Load

Customer Representative Dylan Klaus Station Manager WESTMAN Treater MATTAL

Service Units	<u>63357</u>	<u>84980</u>	<u>20920</u>						
Driver Names	<u>MARRI</u>	<u>MARQUEZ</u>							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					ON LOCATION / SAFETY MEETING
9:15					Run 5 1/2" casing DV tool @ 890'
					BASES - ON TOP OF 6-20' UP + 78
					TURBOS ON 1, 2, 5, 10, 12, 25, 20, 60
10:45					Casing on BOTTOM
10:58					HOOK TO CASING / BREAK CIRC W RIG
12:05	200		12	5	PUMP 500 GAL. MUD AHSB
12:08	200		5	5	PUMP 5 bbl water
12:09	175		39.8	5	MIX 150 SXS AA-2
12:20			4	4	WASH PUMP + LINE / DROP PLUG
12:27	150		-	6	START DISPLACEMENT, WATER 55 MUD 21.5
12:38	300		60	5	LIFT PRESSURE
12:41	600		66	3	SLOW RATE, STOP ROTATING
12:45	900		76.4	-	PLUG DOWN, RELEASED + HOLD
12:50					DROP OPENING TOOL
1:05	800				OPEN TOOL
1:10					CIRCULATE WITH RIG

Customer <b>Vess Oil Corp</b>	Lease No. <b>OSWAID ED</b>	Date <b>10-17-19</b>
Lease <b>Catfish</b>	Well # <b>B 11</b>	
Field Order # <b>18342</b>	Station <b>Pratt</b>	Casing
		Depth
Type Job <b>Z-42 5 1/2" 25795c</b>	Formation	County <b>Russell</b> State <b>KS</b>
		Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid <b>170 SWS A-con</b>	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad <b>370 cc</b>	Max		5 Min.	
Volume	Volume	From	To	Pad <b>1/4 # CF</b>	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager	Treater
Service Units		
Driver Names		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
3:10	}		73.5		Mix 140 SWS A-con
3:26		—	4	4	WASH PUMP + LINE / DROP PLUG
3:29		250	—	6	START DISPLACEMENT (cement to surface)
3:36		900/1500	21.5		Plug Down / release + hold
3:05			7		Plug RAT hole
					CIRCULATION thru JOB
					JOB complete
					THANK YOU!
					M. W. MATTAL
					EDUARDO + CLARENCE

## ATTACHMENT TO ACO-1

### Ed Oswald B #11 --API #15-167-24096-0000

1980' FSL & 660 FWL  
 Sec 8-12S-15W  
 Russell Co, KS

Estimated Tops Zone	Ed Oswald B #11 (sample) KB 1849		Ed Oswald B #11 (logs) KB 1849	
	Depth	(Datum)	Depth	(Datum)
ANHYDRITE	881	(+968)	876	+973
TARKIO LIME	2407	(-558)	2406	-557
THIRD TARKIO SAND			2441	-592
TOPEKA	2646	(-797)	2648	-799
OREAD	2792	(-943)	2790	-941
HEEBNER	2869	(-1020)	2869	-1020
TORONTO	2889	(-1040)	2887	-1038
LANSING-KANSAS CITY	2921	(-1072)	2920	-1071
STARK SHALE	3122	(-1273)	3120	-1271
B/KANSAS CITY	3173	(-1324)	3170	-1321
GRANITE WASH / GRANITE	3203	(-1354)	3204	-1355
PTD	3254	(-1405)	3253	-1404

<b>DST #1:</b>	<b>Topeka</b>	
<b>Depth:</b>	<b>2633 - 2657'</b>	
<b>1st Open:</b>	No blow. Built to 5" in 30 min.	
<b>2nd Open:</b>	1" Blow. Built to 5" in 45 min.	
<b>Rec:</b>	15' G 48' SLGCSLOCM (6%G, 9%O, 85%M) 63' SLOCSLGCSLWCM (10%G, 5%O, 15%W, 70%M) 63' SLGCSLOCHMCW (3%G, 3%O, 59%W, 35%M) <b>Total recovery: 189'; 1.58 bbls</b>	
<b>Tool Sample:</b>	<b>10% O, 60% W, 30% M</b>	
<b>IHP:</b>	1260 psi	<b>FHP:</b> 1257 psi
<b>IFP:</b>	17-68 psi	<b>FFP:</b> 74-88 psi
<b>ISIP:</b>	1011 psi	<b>FSIP:</b> 901 psi
<b>Temp:</b>	88*	

<b>DST #2:</b>	<b>Oread</b>	
<b>Depth:</b>	<b>2815 - 2855'</b>	
<b>1st Open:</b>	WSB. Built to 3 ½" in 30 min.	
<b>2nd Open:</b>	1 ¼" blow. Built to 2 ¾" in 45 min.	
<b>Rec:</b>	180' G 10' SLOCSLGCM (5%G, 5%O, 90%M) 63' SLOCSLGCM (15%G, 10%O, 75%M) <b>Total recovery: 253'; 2.49 bbls</b>	
<b>Tool Sample:</b>	<b>3% G, 20% O, 0% W, 77% M</b>	
	<b>IHP:</b> 1341 psi	<b>FHP:</b> 1341 psi
	<b>IFP:</b> 13-33 psi	<b>FFP:</b> 37-53 psi
	<b>ISIP:</b> 280 psi	<b>FSIP:</b> 282 psi
<b>Temp:</b>	91*	

<b>DST #3:</b>	<b>Toronto – LKC 'F'</b>	
<b>Depth:</b>	<b>2863 - 3013'</b>	
<b>1st Open:</b>	1" Blow. Built to 7 ½" in 30 min.	
<b>2nd Open:</b>	WSB. Built to ¾" in 45 min.	
<b>Rec:</b>	168' M <b>Total recovery: 168'; 1.28 bbls</b>	
<b>Tool Sample:</b>	<b>0% G, 2% O, 0% W, 98% M</b>	
	<b>IHP:</b> 1325 psi	<b>FHP:</b> 1324 psi
	<b>IFP:</b> 59-83 psi	<b>FFP:</b> 81-89 psi
	<b>ISIP:</b> 470 psi	<b>FSIP:</b> 363 psi
<b>Temp:</b>	87*	

<b>DST #4:</b>	<b>LKC 'G'</b>	
<b>Depth:</b>	<b>3010 - 3033'</b>	
<b>1st Open:</b>	¼" Blow. Built to ½" in 30 min.	
<b>2nd Open:</b>	WSB. Blow never built.	
<b>Rec:</b>	25' SLOCM (1%O, 99%M) <b>Total recovery: 25'; 0.123 bbls</b>	
<b>Tool Sample:</b>	<b>0% G, 2% O, 0% W, 98% M</b>	
<b>IHP:</b>	1399 psi	<b>FHP:</b> 1399 psi
<b>IFP:</b>	11-17 psi	<b>FFP:</b> 17-21 psi
<b>ISIP:</b>	58 psi	<b>FSIP:</b> 56 psi
<b>Temp:</b>	88*	

<b>DST #5:</b>	<b>LKC 'H' to LKC 'L'</b>	
<b>Depth:</b>	<b>3042 - 3185'</b>	
<b>1st Open:</b>	¼" Blow. Built to ¾" in 30 min.	
<b>2nd Open:</b>	WSB. Built to 1/8" in 45 min.	
<b>Rec:</b>	20' Mud (100%M) <b>Total recovery: 20'; .0984 bbls</b>	
<b>Tool Sample:</b>	<b>0% G, 0% O, 0% W, 100% M</b>	
<b>IHP:</b>	1447 psi	<b>FHP:</b> 1446 psi
<b>IFP:</b>	13-17 psi	<b>FFP:</b> 18-20 psi
<b>ISIP:</b>	64 psi	<b>FSIP:</b> 56 psi
<b>Temp:</b>	93*	



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

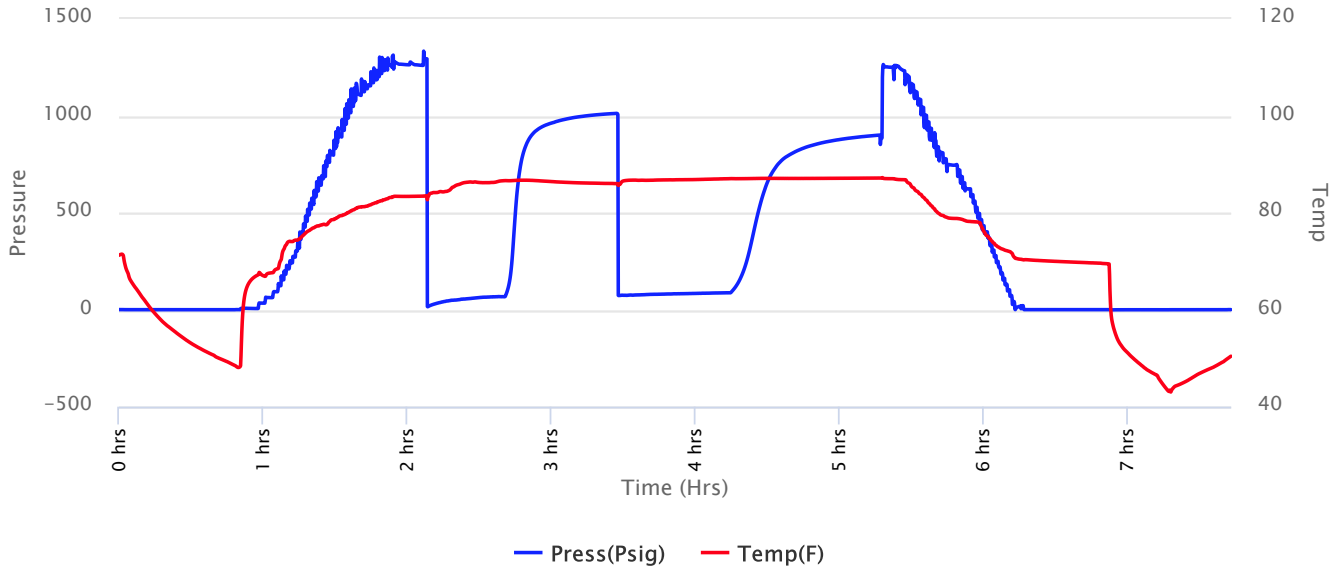
**DATE**  
 October  
**24**  
 2019

**DST #1**      **Formation: Topeka**      **Test Interval: 2633 - 2657'**      **Total Depth: 2657'**  
 Time On: 22:32 10/24      Time Off: 06:01 10/12  
 Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

Electronic Volume  
 Estimate:  
 149'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: 5" at 30 min	Current Reading: .1" at 45 min	Current Reading: 5" at 45 min	Current Reading: 0" at 60 min
Max Reading: 5"	Max Reading: .1"	Max Reading: 5"	Max Reading: .5"

Inside Recorder





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**24**  
 2019

**DST #1**      **Formation: Topeka**      **Test Interval: 2633 - 2657'**      **Total Depth: 2657'**  
 Time On: 22:32 10/24      Time Off: 06:01 10/12  
 Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

Recovered

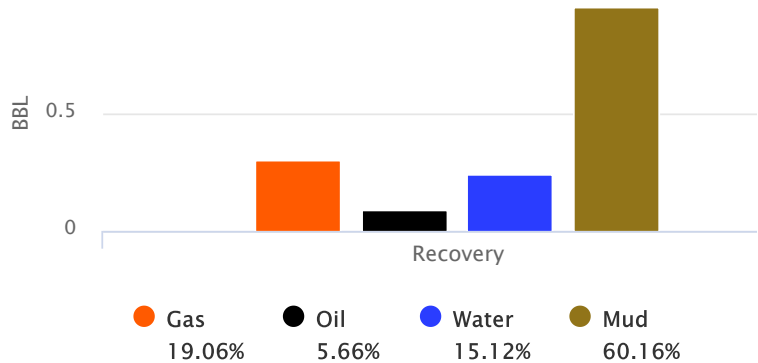
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
15	0.21345	G	100	0	0	0
48	0.68304	SLGCSLOCM	6	9	0	85
63	0.3737335	SLOCSLGCSLWCM	10	5	15	70
63	0.30996	SLGCSLOCHMCW	3	3	59	35

Total Recovered: 189 ft  
 Total Barrels Recovered: 1.5801835

Reversed Out  
 NO

Initial Hydrostatic Pressure	1260	PSI
Initial Flow	17 to 68	PSI
<b>Initial Closed in Pressure</b>	<b>1011</b>	<b>PSI</b>
Final Flow Pressure	74 to 88	PSI
<b>Final Closed in Pressure</b>	<b>901</b>	<b>PSI</b>
Final Hydrostatic Pressure	1257	PSI
Temperature	88	°F
Pressure Change Initial Close / Final Close	10.9	%

**Recovery at a glance**



GIP cubic foot volume: 1.69055





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**24**  
2019

**DST #1      Formation: Topeka      Test Interval: 2633 -      Total Depth: 2657'**  
**2657'**  
Time On: 22:32 10/24      Time Off: 06:01 10/12  
Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

**BUCKET MEASUREMENT:**

*Diesel in Bucket*

1st Open: No Blow. Built to 5 inches in 30 Mins

1st Close: Weak Blow Back

2nd Open: 1" Blow. Built to 5 inches in 45 mins

2nd Close: 1/2" Blow Back

**REMARKS:**

Tool Sample: 0% Gas 10% Oil 60% Water 30% Mud

Ph: 7

Measured RW: 1.2 @ 48 degrees °F

RW at Formation Temp: 0.694 @ 88 °F

Chlorides: 20,000 ppm



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**24**  
2019

**DST #1**      **Formation: Topeka**      **Test Interval: 2633 - 2657'**      **Total Depth: 2657'**  
Time On: 22:32 10/24      Time Off: 06:01 10/12  
Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

**Down Hole Makeup**

<b>Heads Up:</b> 28.9 FT	<b>Packer 1:</b> 2628 FT
<b>Drill Pipe:</b> 2510.18 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 2633 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 2617.42 FT
<b>Collars:</b> 119.15 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 2635 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 24	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	
<b>Packer Sub:</b> 1 FT	<b>Bottom Choke:</b> 5/8"
<b>Perforations: (top):</b> 0 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 23 FT <i>4 1/2-FH</i>	



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**24**  
2019

**DST #1**      **Formation: Topeka**      **Test Interval: 2633 -**  
**2657'**      **Total Depth: 2657'**  
Time On: 22:32 10/24      Time Off: 06:01 10/12  
Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.8      **Viscosity:** 51      **Filtrate:** 7.2      **Chlorides:** 4900 ppm



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**24**  
 2019

**DST #1**      **Formation: Topeka**      **Test Interval: 2633 - 2657'**      **Total Depth: 2657'**  
 Time On: 22:32 10/24      Time Off: 06:01 10/12  
 Time On Bottom: 00:36 10/12      Time Off Bottom: 03:36 10/12

**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
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**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

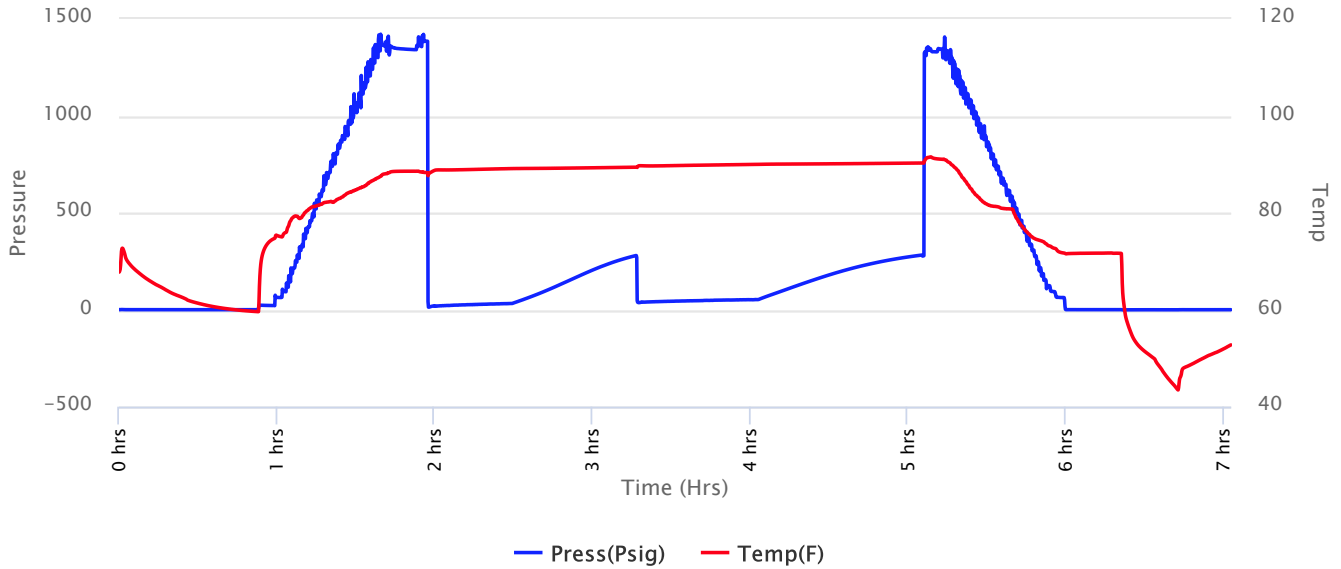
**DATE**  
 October  
**12**  
 2019

**DST #2**      **Formation: Oread**      **Test Interval: 2815 - 2855'**      **Total Depth: 2855'**  
 Time On: 21:15 10/12      Time Off: 04:05 10/13  
 Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

Electronic Volume  
 Estimate:  
 122'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: 2.5" at 30 min	Current Reading: 0" at 45 min	Current Reading: 1.8" at 45 min	Current Reading: 0" at 60 min
Max Reading: 3.4"	Max Reading: 0"	Max Reading: 2.8"	Max Reading: 0"

Inside Recorder





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**12**  
 2019

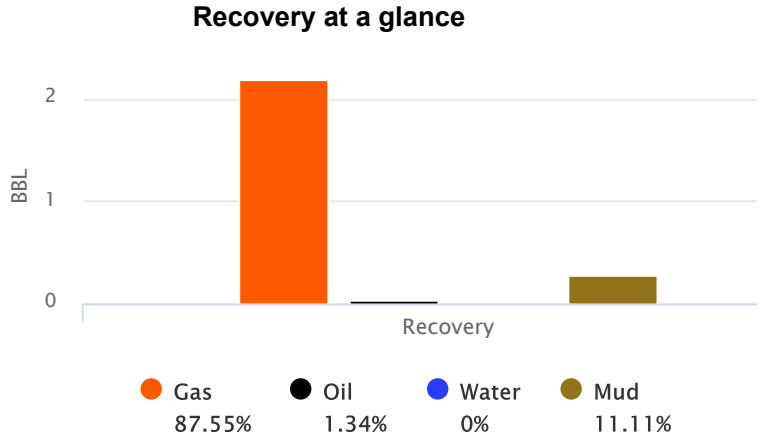
**DST #2**      **Formation: Oread**      **Test Interval: 2815 - 2855'**      **Total Depth: 2855'**  
 Time On: 21:15 10/12      Time Off: 04:05 10/13  
 Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
180	2.1317435	G	100	0	0	0
10	0.0492	SLOCSLGCM	5	5	0	90
63	0.30996	SLOCSLGCM	15	10	0	75

Total Recovered: 253 ft  
 Total Barrels Recovered: 2.4909035

Reversed Out  
 NO

Initial Hydrostatic Pressure	1341	PSI
Initial Flow	13 to 33	PSI
<b>Initial Closed in Pressure</b>	<b>280</b>	<b>PSI</b>
Final Flow Pressure	37 to 53	PSI
<b>Final Closed in Pressure</b>	<b>282</b>	<b>PSI</b>
Final Hydrostatic Pressure	1341	PSI
Temperature	91	°F
Pressure Change Initial Close / Final Close	0.0	%



GIP cubic foot volume: 12.24353



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**12**  
2019

**DST #2**      **Formation: Oread**      **Test Interval: 2815 - 2855'**      **Total Depth: 2855'**  
Time On: 21:15 10/12      Time Off: 04:05 10/13  
Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

**BUCKET MEASUREMENT:**

*Diesel in Bucket*

1st Open: WSB. Built to 3 1/2 inches in 30 mins

1st Close: NOBB

2nd Open: 1 1/4" Blow. Built to 2 3/4 inches in 45 mins.

2nd Close: NOBB

**REMARKS:**

Tool Sample: 3% Gas 20% Oil 0% Water 77% Mud



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**12**  
 2019

**DST #2      Formation: Oread      Test Interval: 2815 - 2855'      Total Depth: 2855'**  
 Time On: 21:15 10/12      Time Off: 04:05 10/13  
 Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

**Down Hole Makeup**

<b>Heads Up:</b> 3.53000000000001 FT	<b>Packer 1:</b> 2810 FT
<b>Drill Pipe:</b> 2666.81 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 2815 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 2799.42 FT
<b>Collars:</b> 119.15 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 2820 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 40	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 36 FT <i>4 1/2-FH</i>	





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**12**  
2019

**DST #2**      **Formation: Oread**      **Test Interval: 2815 - 2855'**      **Total Depth: 2855'**  
Time On: 21:15 10/12      Time Off: 04:05 10/13  
Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9      **Viscosity:** 53      **Filtrate:** 7.2      **Chlorides:** 11,200 ppm



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**12**  
 2019

**DST #2      Formation: Oread      Test Interval: 2815 - 2855'      Total Depth: 2855'**  
 Time On: 21:15 10/12      Time Off: 04:05 10/13  
 Time On Bottom: 23:09 10/12      Time Off Bottom: 02:09 10/13

**Gas Volume Report**

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

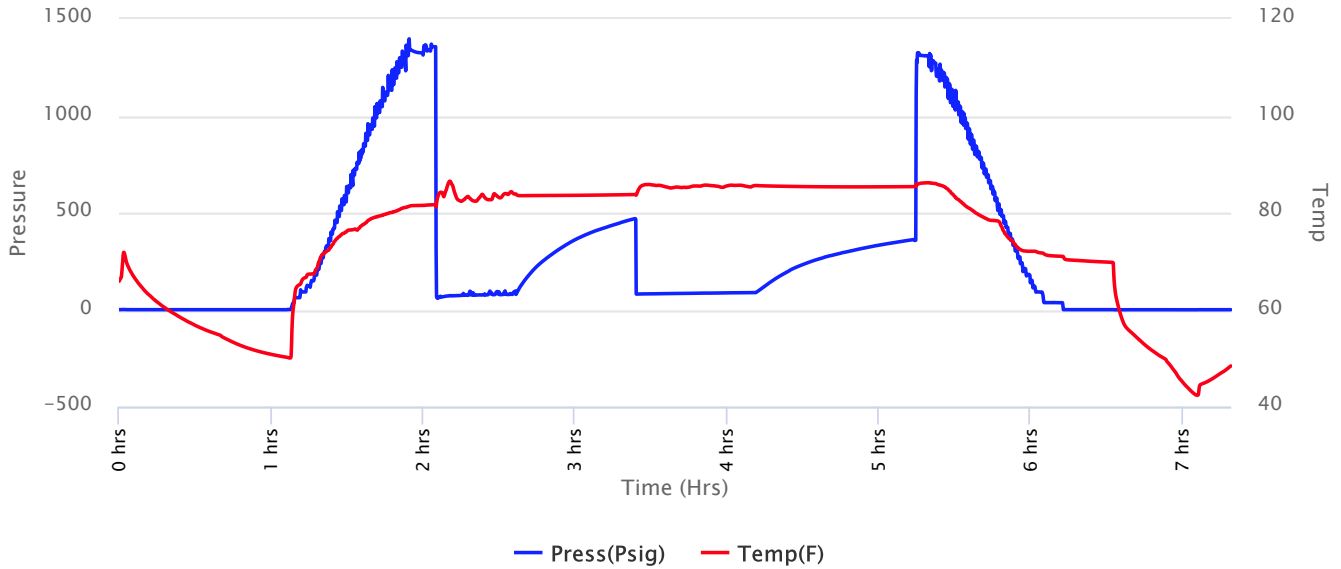
**DATE**  
 October  
**14**  
 2019

**DST #3      Formation: Toronto-Lans F      Test Interval: 2863 - 3013'      Total Depth: 3013'**  
 Time On: 00:43 10/14      Time Off: 07:50 10/14  
 Time On Bottom: 02:45 10/14      Time Off Bottom: 05:45 10/14

Electronic Volume Estimate:  
 138'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: 6.2" at 30 min	Current Reading: 0" at 45 min	Current Reading: .6" at 45 min	Current Reading: 0" at 60 min
Max Reading: 7.5"	Max Reading: 0"	Max Reading: .8"	Max Reading: 0"

Inside Recorder





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**14**  
 2019

**DST #3**      **Formation: Toronto-Lans F**      **Test Interval: 2863 - 3013'**      **Total Depth: 3013'**  
 Time On: 00:43 10/14      Time Off: 07:50 10/14  
 Time On Bottom: 02:45 10/14      Time Off Bottom: 05:45 10/14

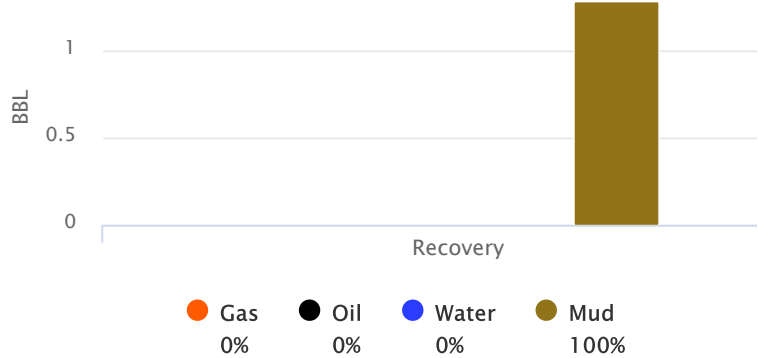
Recovered

<u>Foot</u>	<u>BBLs</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
168	1.2813535	M	0	0	0	100

Total Recovered: 168 ft  
 Total Barrels Recovered: 1.2813535

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1325	PSI
Initial Flow	59 to 83	PSI
<b>Initial Closed in Pressure</b>	<b>470</b>	<b>PSI</b>
Final Flow Pressure	81 to 89	PSI
<b>Final Closed in Pressure</b>	<b>363</b>	<b>PSI</b>
Final Hydrostatic Pressure	1324	PSI
Temperature	87	°F
Pressure Change Initial Close / Final Close	22.9	%

GIP cubic foot volume: 0



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**14**  
2019

<b>DST #3</b>	<b>Formation: Toronto- Lans F</b>	<b>Test Interval: 2863 - 3013'</b>	<b>Total Depth: 3013'</b>
	Time On: 00:43 10/14	Time Off: 07:50 10/14	
	Time On Bottom: 02:45 10/14	Time Off Bottom: 05:45 10/14	

**BUCKET MEASUREMENT:**

1st Open: 1" Blow. Built to 7 1/2 inches in 30 mins  
1st Close: NOBB  
2nd Open: WSB. Built to 3/4 inch in 45 mins  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



# Company: Vess Oil Corporation Lease: Ed B. Oswald #11

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**14**  
2019

**DST #3**      **Formation: Toronto-Lans F**      **Test Interval: 2863 - 3013'**      **Total Depth: 3013'**  
Time On: 00:43 10/14      Time Off: 07:50 10/14  
Time On Bottom: 02:45 10/14      Time Off Bottom: 05:45 10/14

### Down Hole Makeup

<b>Heads Up:</b>	19.49 FT	<b>Packer 1:</b>	2858 FT
<b>Drill Pipe:</b>	2730.77 FT	<b>Packer 2:</b>	2863 FT
<i>ID-3 1/2</i>		<b>Top Recorder:</b>	2847.42 FT
<b>Weight Pipe:</b>	FT	<b>Bottom Recorder:</b>	2978 FT
<i>ID-2 7/8</i>		<b>Well Bore Size:</b>	7 7/8
<b>Collars:</b>	119.15 FT	<b>Surface Choke:</b>	1"
<i>ID-2 1/4</i>		<b>Bottom Choke:</b>	5/8"
<b>Test Tool:</b>	33.57 FT		
<i>ID-3 1/2-FH</i>			
<i>Jars</i>			
<i>Safety Joint</i>			
<b>Total Anchor:</b>	150		
<u><b>Anchor Makeup</b></u>			
<b>Packer Sub:</b>	1 FT		
<b>Perforations: (top):</b>	16 FT		
<i>4 1/2-FH</i>			
<b>Change Over:</b>	1 FT		
<b>Drill Pipe: (in anchor):</b>	95 FT		
<i>ID-3 1/2</i>			
<b>Change Over:</b>	1 FT		
<b>Perforations: (below):</b>	36 FT		
<i>4 1/2-FH</i>			



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**14**  
 2019

**DST #3      Formation: Toronto-      Test Interval: 2863 -      Total Depth: 3013'**  
                                 **Lans F    3013'**  
 Time On: 00:43 10/14                      Time Off: 07:50 10/14  
 Time On Bottom: 02:45 10/14      Time Off Bottom: 05:45 10/14

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.1      **Viscosity:** 55      **Filtrate:** 9.2      **Chlorides:** 8000 ppm



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**14**  
2019

**DST #3    Formation: Toronto-Lans F    Test Interval: 2863 - 3013'    Total Depth: 3013'**  
Time On: 00:43 10/14    Time Off: 07:50 10/14  
Time On Bottom: 02:45 10/14    Time Off Bottom: 05:45 10/14

### Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

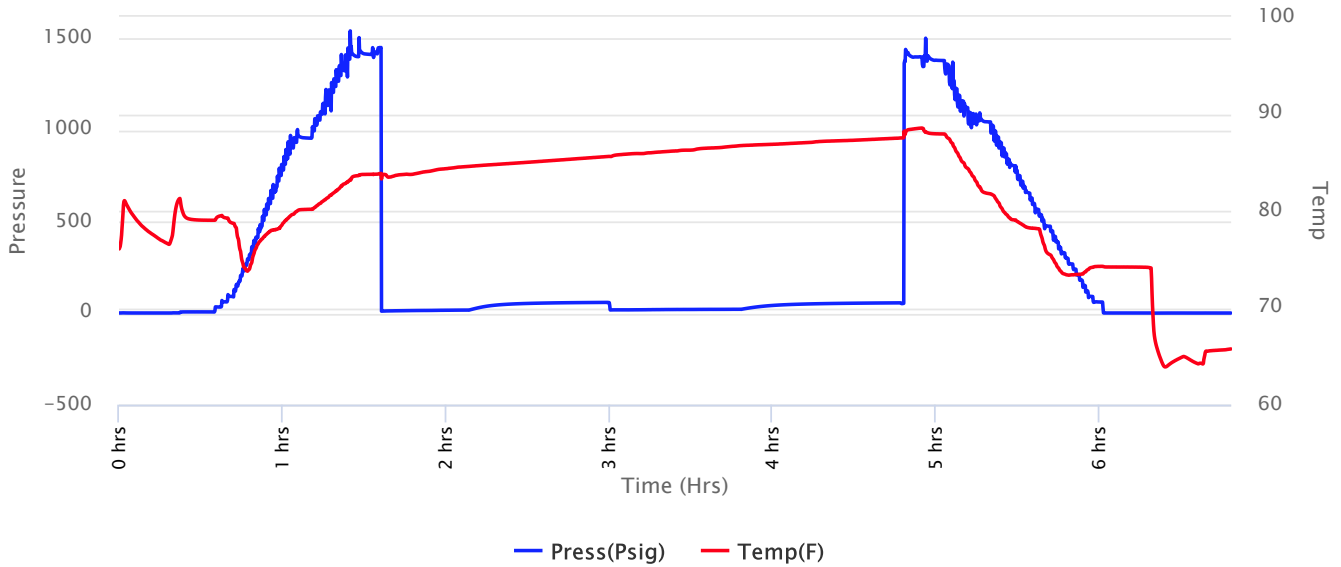
**DATE**  
 October  
**14**  
 2019

**DST #4**      **Formation: Lans G**      **Test Interval: 3010 - 3033'**      **Total Depth: 3033'**  
 Time On: 13:54 10/14      Time Off: 20:31 10/14  
 Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

Electronic Volume Estimate:  
 13'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: .5" at 30 min	Current Reading: 0" at 45 min	Current Reading: .1" at 45 min	Current Reading: 0" at 60 min
Max Reading: .5"	Max Reading: 0"	Max Reading: .1"	Max Reading: 0"

Inside Recorder





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**14**  
 2019

**DST #4**      **Formation: Lans G**      **Test Interval: 3010 - 3033'**      **Total Depth: 3033'**  
 Time On: 13:54 10/14      Time Off: 20:31 10/14  
 Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

Recovered

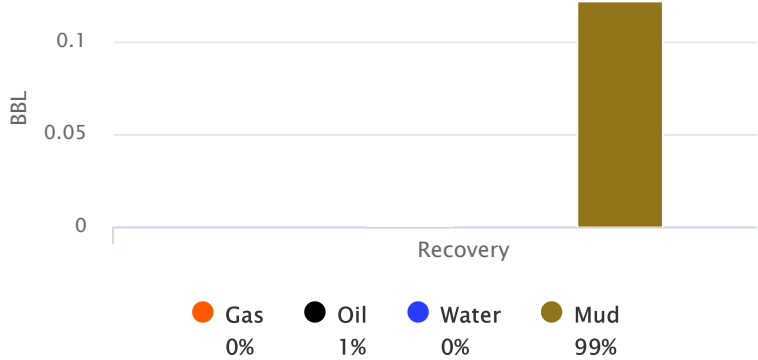
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
25	0.123	SLOCM	0	1	0	99

Total Recovered: 25 ft  
 Total Barrels Recovered: 0.123

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	1399	PSI
Initial Flow	11 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>58</b>	<b>PSI</b>
Final Flow Pressure	17 to 21	PSI
<b>Final Closed in Pressure</b>	<b>56</b>	<b>PSI</b>
Final Hydrostatic Pressure	1399	PSI
Temperature	88	°F
Pressure Change Initial Close / Final Close	4.2	%

**Recovery at a glance**



GIP cubic foot volume: 0



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**14**  
2019

**DST #4      Formation: Lans G      Test Interval: 3010 -      Total Depth: 3033'**  
**3033'**  
Time On: 13:54 10/14      Time Off: 20:31 10/14  
Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

**BUCKET MEASUREMENT:**

*Diesel in Bucket*

1st Open: 1/4" Blow. Built to 1/2 inch in 30 mins

1st Close: NOBB

2nd Open: Weak Surface Blow. Blow Never Built.

2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**14**  
 2019

**DST #4      Formation: Lans G      Test Interval: 3010 - 3033'      Total Depth: 3033'**  
 Time On: 13:54 10/14      Time Off: 20:31 10/14  
 Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

**Down Hole Makeup**

<b>Heads Up:</b> 28.54 FT	<b>Packer 1:</b> 3005 FT
<b>Drill Pipe:</b> 2886.82 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3010 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 2994.42 FT
<b>Collars:</b> 119.15 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3012 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 23	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 0 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 22 FT <i>4 1/2-FH</i>	



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**14**  
2019

**DST #4**      **Formation: Lans G**      **Test Interval: 3010 - 3033'**      **Total Depth: 3033'**  
Time On: 13:54 10/14      Time Off: 20:31 10/14  
Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9      **Viscosity:** 51      **Filtrate:** 7.2      **Chlorides:** 4000 ppm



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**14**  
2019

**DST #4      Formation: Lans G      Test Interval: 3010 -      Total Depth: 3033'**  
**3033'**  
Time On: 13:54 10/14      Time Off: 20:31 10/14  
Time On Bottom: 15:28 10/14      Time Off Bottom: 18:28 10/14

**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

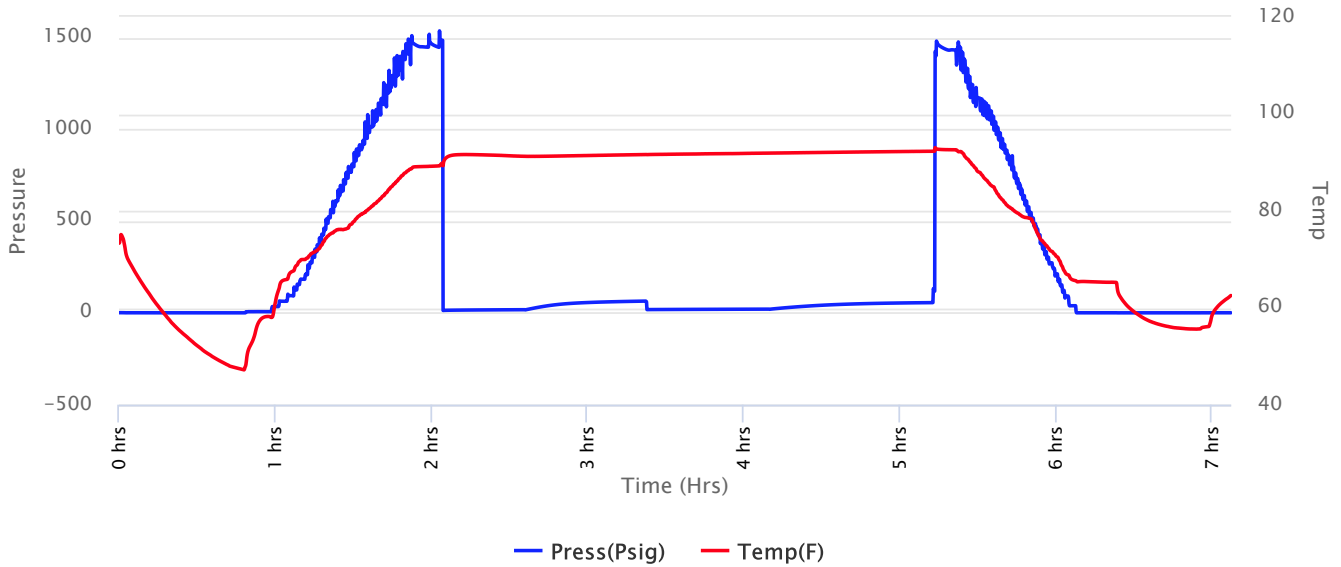
**DATE**  
 October  
**16**  
 2019

**DST #5**      **Formation: LKC H-I- J-K-L**      **Test Interval: 3042 - 3185'**      **Total Depth: 3253'**  
 Time On: 06:38 10/16      Time Off: 13:33 10/16  
 Time On Bottom: 08:40 10/16      Time Off Bottom: 11:40 10/16

Electronic Volume  
 Estimate:  
 21'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: .8" at 30 min	Current Reading: 0" at 45 min	Current Reading: .15" at 45 min	Current Reading: 0" at 60 min
Max Reading: .8"	Max Reading: 0"	Max Reading: .15"	Max Reading: 0"

Inside Recorder





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**16**  
 2019

**DST #5**      **Formation: LKC H-I-  
J-K-L**      **Test Interval: 3042 -  
3185'**      **Total Depth: 3253'**  
 Time On: 06:38 10/16      Time Off: 13:33 10/16  
 Time On Bottom: 08:40 10/16      Time Off Bottom: 11:40 10/16

Recovered

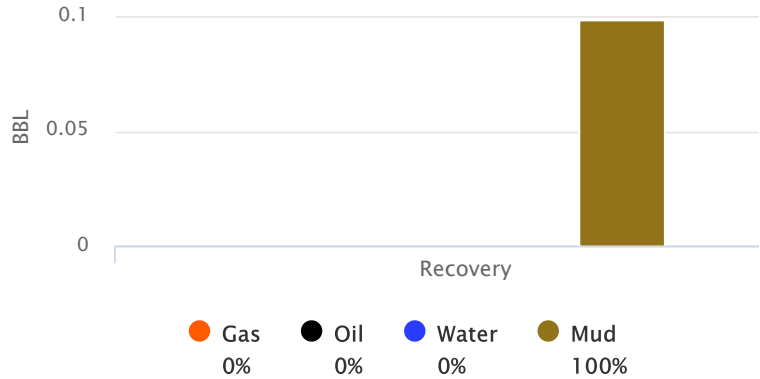
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.0984	M	0	0	0	100

Total Recovered: 20 ft  
 Total Barrels Recovered: 0.0984

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	1447	PSI
Initial Flow	13 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>64</b>	<b>PSI</b>
Final Flow Pressure	18 to 20	PSI
<b>Final Closed in Pressure</b>	<b>56</b>	<b>PSI</b>
Final Hydrostatic Pressure	1446	PSI
Temperature	93	°F
Pressure Change Initial Close / Final Close	12.3	%

**Recovery at a glance**



GIP cubic foot volume: 0





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**16**  
 2019

**DST #5**      **Formation: LKC H-I- J-K-L**      **Test Interval: 3042 - 3185'**      **Total Depth: 3253'**  
 Time On: 06:38 10/16      Time Off: 13:33 10/16  
 Time On Bottom: 08:40 10/16      Time Off Bottom: 11:40 10/16

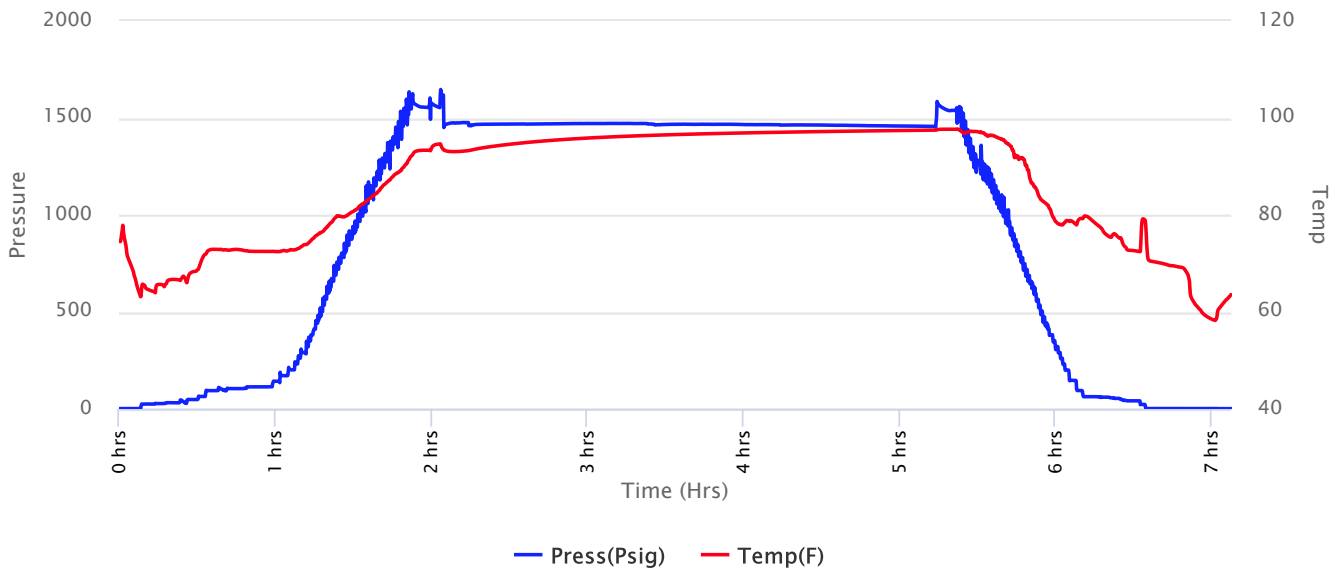
**BUCKET MEASUREMENT:**

1st Open: 1/4" Blow. Built to 3/4 inch in 30 mins.  
 1st Close: NOBB  
 2nd Open: Weak Surface Below. Built to 1/8 inch in 45 mins  
 2nd Close: NOBB

**REMARKS:**

Straddle Packer Held. (1455 Pressure)  
 Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud

**Below Straddle Recorder**





**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 October  
**16**  
 2019

**DST #5**      **Formation: LKC H-I- J-K-L**      **Test Interval: 3042 - 3185'**      **Total Depth: 3253'**  
 Time On: 06:38 10/16      Time Off: 13:33 10/16  
 Time On Bottom: 08:40 10/16      Time Off Bottom: 11:40 10/16

**Down Hole Makeup**

<b>Heads Up:</b> 28.3 FT	<b>Packer 1:</b> 3036.96 FT
<b>Drill Pipe:</b> 2918.54 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3041.96 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Packer 3:</b> 3185 FT
<b>Collars:</b> 119.15 FT <i>ID-2 1/4</i>	<b>Top Recorder:</b> 3026.38 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Bottom Recorder:</b> 3139 FT
	<b>Below Straddle Recorder:</b> 3251 FT
	<b>Well Bore Size:</b> 7 7/8
	<b>Surface Choke:</b> 1"
	<b>Bottom Choke:</b> 5/8"

**Total Anchor:** 143.04

**Anchor Makeup**

**Packer Sub:** 1 FT

**Perforations: (top):** 3 FT  
*4 1/2-FH*

**Change Over:** .5 FT

**Drill Pipe: (in anchor):** 94.54 FT  
*ID-3 1/2*

**Change Over:** 1 FT

**Perforations: (below):** 43 FT  
*4 1/2-FH*

**STRADDLE**

**Straddle Packer(s):** FT

**Change Over:** .5 FT

**Drill Pipe:** 62.53 FT  
*ID-3 1/2"*

**Change Over:** 1 FT

**Perforations (in tail pipe):** 3 FT  
*4 1/2-FH*



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
County: RUSSELL  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 108  
Elevation: 1845 EGL  
Field Name: Fairport  
Pool: Infield  
Job Number: 405  
API #: 15-167-24096-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
October  
**16**  
2019

**DST #5**      **Formation: LKC H-I-  
J-K-L**      **Test Interval: 3042 -  
3185'**      **Total Depth: 3253'**  
Time On: 06:38 10/16      Time Off: 13:33 10/16  
Time On Bottom: 08:40 10/16      Time Off Bottom: 11:40 10/16

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.1      **Viscosity:** 52      **Filtrate:** 7.2      **Chlorides:** 8 ppm



**Company: Vess Oil Corporation**  
**Lease: Ed B. Oswald #11**

SEC: 8 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 108  
 Elevation: 1845 EGL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 405  
 API #: 15-167-24096-00-00

**Operation:**  
 Uploading recovery &  
 pressures

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**DST #5**      **Formation: LKC H-I- J-K-L**      **Test Interval: 3042 - 3185'**      **Total Depth: 3253'**  
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**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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