



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (620) 653-7550 • (800) 542-7313  
 PORTERD#93DST#1

Company Vess Oil Corporation Lease & Well No. Porter "D" No. 93  
 Elevation 1412 KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. P0195  
 Date 7-29-17 Sec. 1 Twp. 26S Range 4E County Butler State Kansas  
 Test Approved By Roger L. Martin Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 2,338 ft. to 2,420 ft. Total Depth 2,420 ft.  
 Packer Depth 2,333 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 2,338 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 2,323 ft. Recorder Number 5950 Cap. 5,000 psi.  
 Bottom Recorder Depth (Outside) 2,406 ft. Recorder Number 5588 Cap. 6,000 psi.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 237 ft I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 46 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Weight 9.1 Water Loss 9.2 cc. Drill Pipe Length 2,068 ft I.D. 3 in.  
 Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-FH in.  
 Jars: Make Sterling Serial Number 11 Anchor Length 20' perf. w/62' drill pipe Size 4 1/2-FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4-FH in.

Blow: 1st Open: 1/4 in. blow increasing to 2 3/4 ins. in 30 mins. No blow back during shut-in.

2nd Open: No blow increasing to 2 ins. in 45 mins. No blow back during shut-in.

Recovered 25 ft. of gas in pipe  
 Recovered 50 ft. of clean oil = .542000 bbls. (Gravity: 33 @ 60°)  
 Recovered 30 ft. of slightly oil cut mud = .325200 bbls. (Grind out: 15%-oil; 85%-mud)  
 Recovered 80 ft. of TOTAL FLUID = .867200 bbls.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks Tool Sample Grind Out: 20%-oil; 80%-mud

Time Set Packer(s) 7:35 P.M. Time Started off Bottom 10:35 P.M. Maximum Temperature 106°  
 Initial Hydrostatic Pressure.....(A) \_\_\_\_\_ 1104 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) \_\_\_\_\_ 15 P.S.I. to (C) \_\_\_\_\_ 28 P.S.I.  
 Initial Closed In Period.....Minutes 45 (D) \_\_\_\_\_ 886 P.S.I.  
 Final Flow Period.....Minutes 45 (E) \_\_\_\_\_ 32 P.S.I. to (F) \_\_\_\_\_ 45 P.S.I.  
 Final Closed In Period.....Minutes 60 (G) \_\_\_\_\_ 886 P.S.I.  
 Final Hydrostatic Pressure.....(H) \_\_\_\_\_ 1076 P.S.I.



**Hoisington, Kansas**

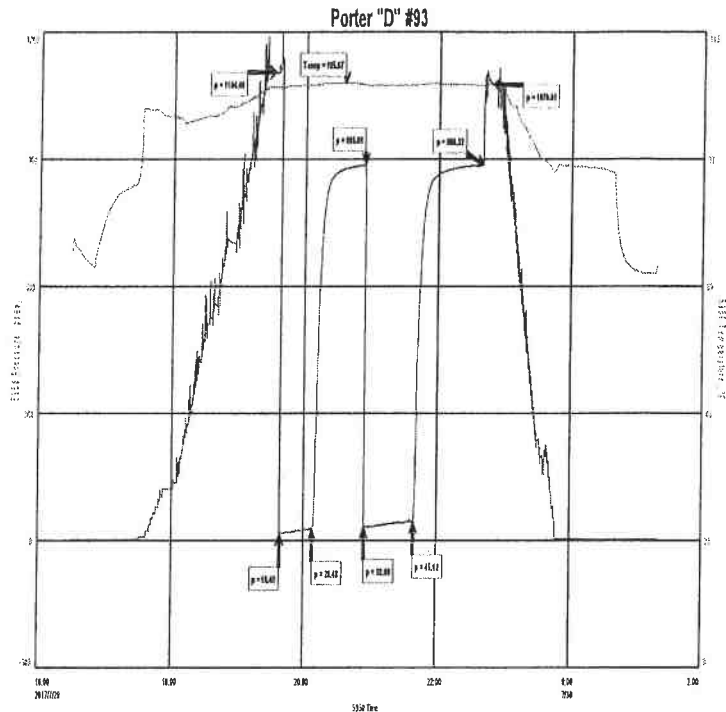
**Michael Carroll**  
 620-617-0368  
 carroll.dtlc@gmail.com

**General Information**

Company Name Vess Oil Corporation

Contact	Casey Coats
Well Name	Porter "D" #93
Unique Well ID	Dst #1 Arbuckle 2338-2420'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation

Formation	Dst #1 Arbuckle 2338-2420'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/07/29
Start Test Time	16:30:00
Final Test Time	01:20:00
Job Number	P0195
Report Date	2017/07/29
Prepared By	Michael Carroll



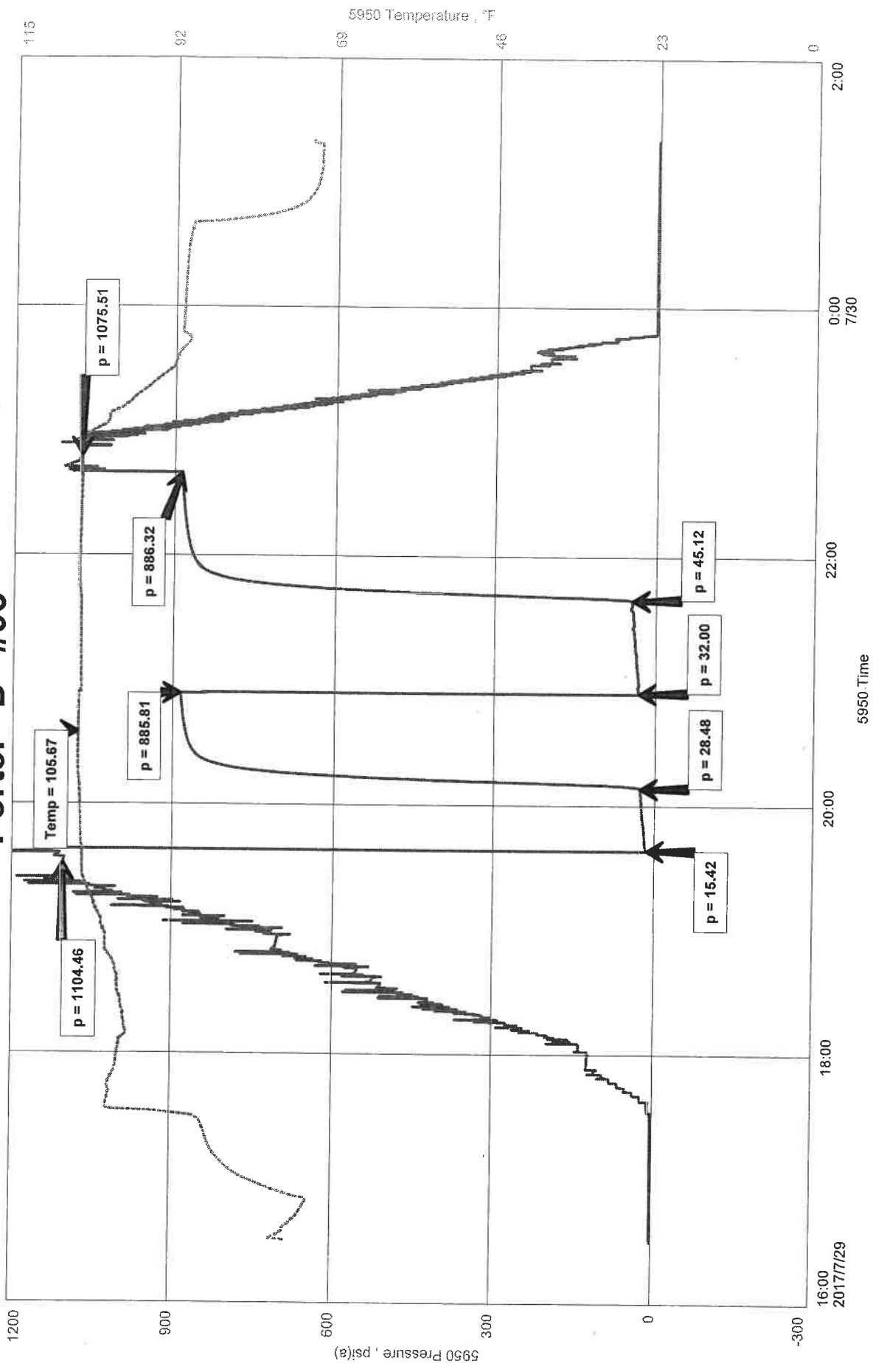
**TEST RECOVERY**

Remarks Recovery:	25'	Gas In Pipe
	50'	Clean Oil Gravity: 33 @ 60 Degrees
	30'	SLOCM 15% O 85% M
	80'	Total Fluid
Tool Sample:	20% O	80% M

Vess Oil Corporation  
 Dst #1 Arbuckle 2338-2420'  
 Start Test Date: 2017/07/29  
 Final Test Date: 2017/07/30

Porter "D" #93  
 Formation: Dst #1 Arbuckle 2338-2420'  
 Pool: Infield  
 Job Number: P0195

# Porter "D" #93





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
PORTERD#93DST#2

Company Vess Oil Corporation Lease & Well No. Porter "D" No. 93  
Elevation 1412 KB Formation Arbuckle Effective Pay      Ft. Ticket No. P0196  
Date 7-30-17 Sec. 1 Twp. 26S Range 4E County Butler State Kansas  
Test Approved By Roger L. Martin Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 2,420 ft. to 2,430 ft. Total Depth 2,430 ft  
Packer Depth 2,415 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 2,420 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 2,405 ft. Recorder Number 5950 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 2,421 ft. Recorder Number 5588 Cap. 6,000 psi.  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 237 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 48 Weight Pipe Length      ft I.D.      in.  
Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 2,150 ft I.D. 3 in.  
Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-FH in.  
Jars: Make Sterling Serial Number 11 Anchor Length 10 ft. Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4-FH in.

Blow: 1st Open: Weak, surface blow. Died in 11 mins. No blow back during shut-in.

2nd Open: No blow. No build. No blow back during shut-in.

Recovered 10 ft. of slightly oil cut mud = .108400 bbls. (Grind out: 3%-oil; 97%-mud)  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of     

Remarks Tool Sample Grind Out: 3%-oil; 97%-mud

Time Set Packer(s) 1:45 P.M. Time Started off Bottom 4:45 P.M. Maximum Temperature 104°  
Initial Hydrostatic Pressure.....(A) 1156 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.  
Initial Closed In Period.....Minutes 45 (D) 891 P.S.I.  
Final Flow Period.....Minutes 45 (E) 16 P.S.I. to (F) 19 P.S.I.  
Final Closed In Period.....Minutes 60 (G) 900 P.S.I.  
Final Hydrostatic Pressure.....(H) 1138 P.S.I.



**Hoisington, Kansas**

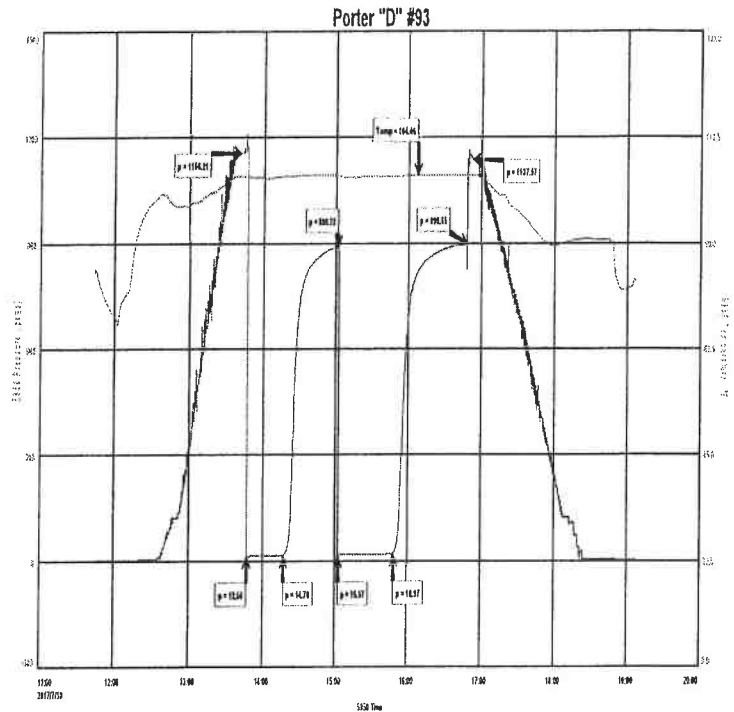
**Michael Carroll**  
 620-617-0368  
 carroll.dtlc@gmail.com

**General Information**

Company Name Vess Oil Corporation

Contact	Casey Coats
Well Name	Porter "D" #93
Unique Well ID	Dst #2 Arbuckle 2420-2430'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation

Formation	Dst #2 Arbuckle 2420-2430'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/07/30
Start Test Time	11:45:00
Final Test Time	19:08:00
Job Number	P0196
Report Date	2017/07/30
Prepared By	Michael Carroll



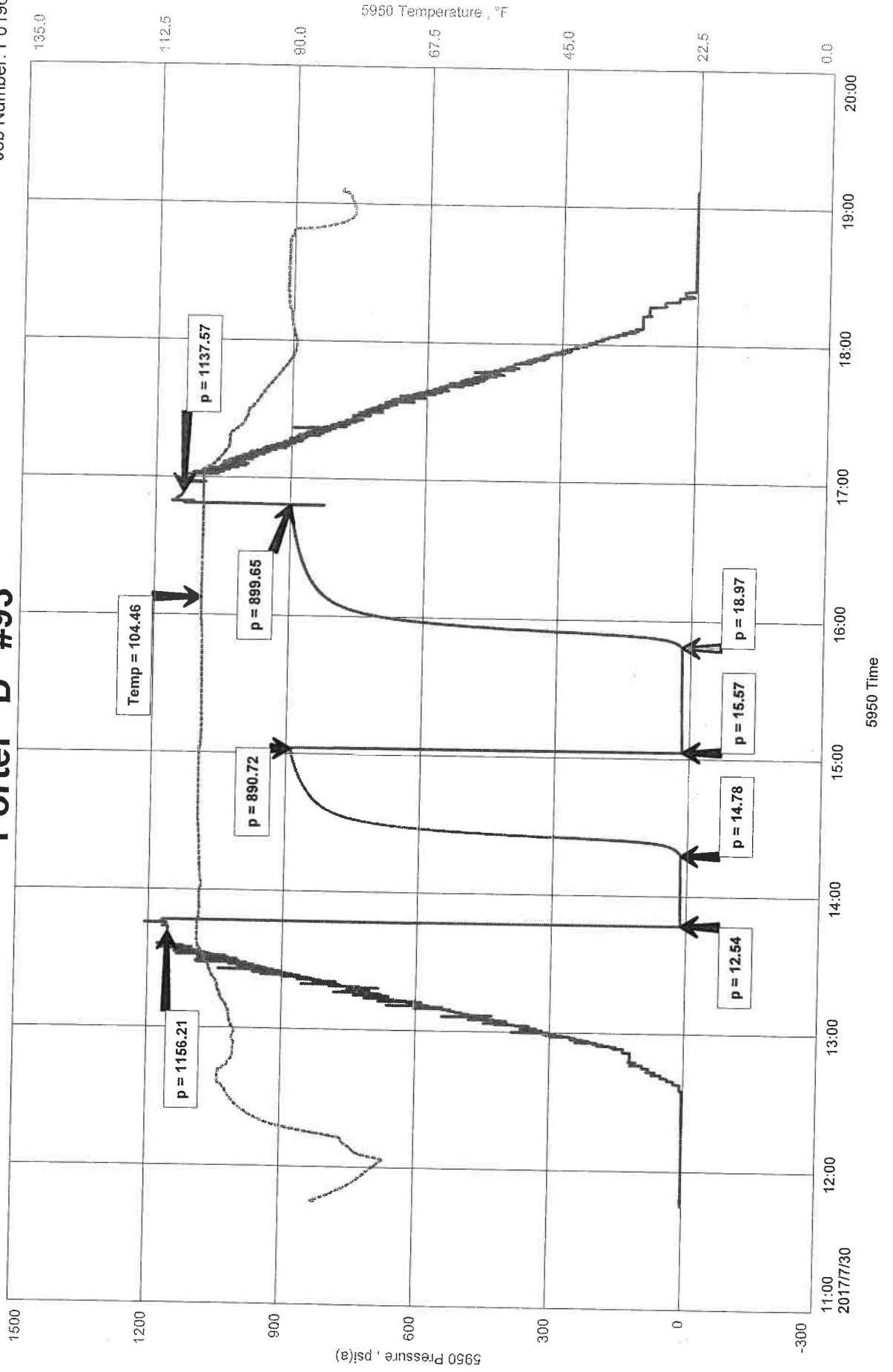
**TEST RECOVERY**

Remarks Recovery:	10'	SLOCM	3% O	97% M
	10'	Total Fluid		
Tool Sample:	3% O	97% M		

Vess Oil Corporation  
Dst #2 Arbuckle 2420-2430'  
Start Test Date: 2017/07/30  
Final Test Date: 2017/07/30

Porter "D" #93  
Formation: Dst #2 Arbuckle 2420-2430'  
Pool: Infield  
Job Number: P0196

# Porter "D" #93





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
PORTERD#93DST#3

Company Vess Oil Corporation Lease & Well No. Porter "D" No. 93  
Elevation 1412 KB Formation Arbuckle Effective Pay      Ft. Ticket No. P0197  
Date 7-31-17 Sec. 1 Twp. 26S Range 4E County Butler State Kansas  
Test Approved By Roger L. Martin Diamond Representative Michael Carroll

Formation Test No. 3 Interval Tested from 2,426 ft. to 2,435 ft. Total Depth 2,435 ft.  
Packer Depth 2,421 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 2,426 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 2,411 ft. Recorder Number 5950 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 2,427 ft. Recorder Number 5588 Cap. 6,000 psi.  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 237 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 48 Weight Pipe Length      ft I.D.      in.  
Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 2,156 ft I.D. 3 in.  
Chlorides 1,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-FH in.  
Jars: Make Sterling Serial Number 11 Anchor Length 9 ft. Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4-FH in.

Blow: 1st Open: 3 in. blow increasing. Off bottom of bucket in 1 min. 15 secs. No blow back during shut-in.

2nd Open: 1 in. blow increasing. Off bottom of bucket in 1 min. 55 secs. No blow back during shut-in.

Recovered 2 ft. of clean oil = .028460 bbls.  
Recovered 18 ft. of slightly oil cut, slightly mud cut water = .256140 bbls. (Grind out: 12%-oil; 71%-water; 17%-mud)  
Recovered 403 ft. of slightly oil cut, mud cut water = 5.734690 bbls. (Grind out: 2%-oil; 78%-water; 20%-mud)  
Recovered 1,353 ft. of slightly oil cut, slightly mud cut water = 18.449760 bbls. (Grind out: 1%-oil; 96%-water; 3%-mud)  
Recovered 1,776 ft. of TOTAL FLUID = 24.469050 bbls. Chlorides: 25,000 Ppm PH: 7.0 RW: .30 @ 70°  
Recovered      ft. of

Remarks Tool Sample Grind Out: 16%-oil; 44%-water; 40%-mud

Time Set Packer(s) 4:25 A.M. Time Started off Bottom 7:25 A.M. Maximum Temperature 104°  
Initial Hydrostatic Pressure.....(A) 1149 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 61 P.S.I. to (C) 484 P.S.I.  
Initial Closed In Period.....Minutes 45 (D) 939 P.S.I.  
Final Flow Period.....Minutes 45 (E) 492 P.S.I. to (F) 800 P.S.I.  
Final Closed In Period.....Minutes 60 (G) 940 P.S.I.  
Final Hydrostatic Pressure.....(H) 1134 P.S.I.



**Hoisington, Kansas**

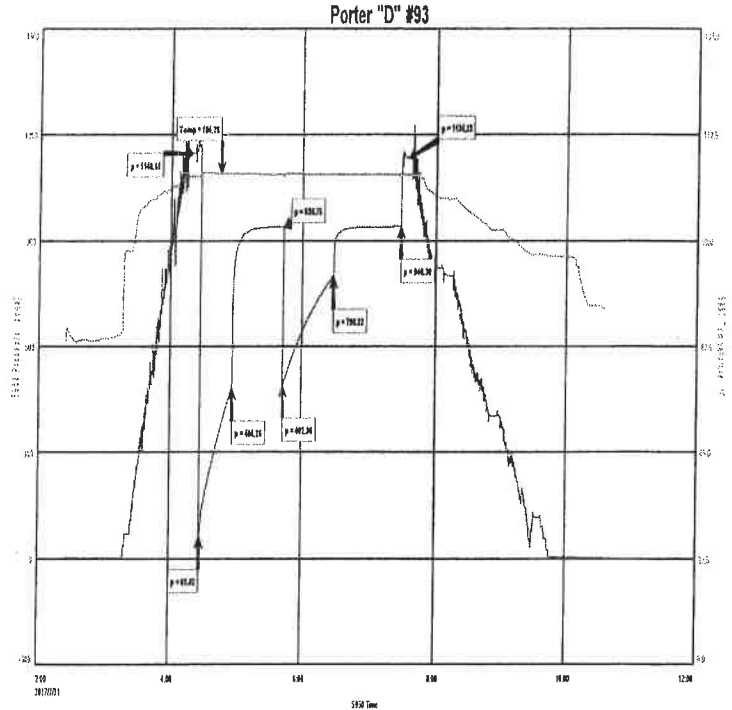
**Michael Carroll**  
 620-617-0368  
 carroll.dtlc@gmail.com

General Information

Company Name Vess Oil Corporation

Contact	Casey Coats
Well Name	Porter "D" #93
Unique Well ID	Dst #3 Arbuckle 2426-2435'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation

Formation	Dst #3 Arbuckle 2426-2435'
Well Fluid Type	06 Water
Test Purpose	Initial Test
Start Test Date	2017/07/31
Start Test Time	02:25:00
Final Test Time	10:37:00
Job Number	P0197
Report Date	2017/07/31
Prepared By	Michael Carroll



TEST RECOVERY

Remarks Recovery:	2'	Clean Oil			
	18'	SLOCSLMCW	12% O	71% W	17% M
	403'	SLOCMCW	2% O	78% W	20% M
	1353'	SLOCSLMCW	1% O	96% W	3% M
	1776'	Total Fluid			

Tool Sample: 16% O 44% W 40% M

Chlorides: 25,000 PPM  
 PH: 7  
 RW: .3 @ 70 Degrees



Vess Oil Corporation

Dst #3 Arbuckle 2426-2435'

Start Test Date: 2017/07/31

Final Test Date: 2017/07/31

Porter "D" #93

Formation: Dst #3 Arbuckle 2426-2435'

Pool: Infield

Job Number: P0197

# Porter "D" #93

