

**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
BARNHILLA33DST1

Company Vess Oil Corporation Lease & Well No. Barnhill "A" No. 33  
Elevation 1399 KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. F344  
Date 11-3-14 Sec. 6 Twp. 26S Range 5E County Butler State Kansas  
Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 2,418 ft. to 2,479 ft. Total Depth 2,479 ft.  
Packer Depth 2,413 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 2,418 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 2,398 ft. Recorder Number 5951 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 2,453 ft. Recorder Number 5584 Cap. 5,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 178 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 56 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.0 Water Loss 5.4 cc. Drill Pipe Length 2,207 ft I.D. 3 in.  
Chlorides 1,800 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.  
Bars: Make Sterling Serial Number 5 Anchor Length 28' perf. w/33' 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: Surface blow increasing to 5 1/4 ins. No blow back during shut-in.  
2nd Open: Surface blow increasing to 4 3/4 ins. No blow back during shut-in.

Recovered 65 ft. of clean oil = .319800 bbls. (Grind out: 100%-oil) Gravity: 34.5 @ 60°  
Recovered 40 ft. of oil cut mud = .196800 bbls. (Grind out: 15%-oil; 85%-mud)  
Recovered 105 ft. of TOTAL FLUID = .516600 bbls.  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 20%-oil; 80%-mud

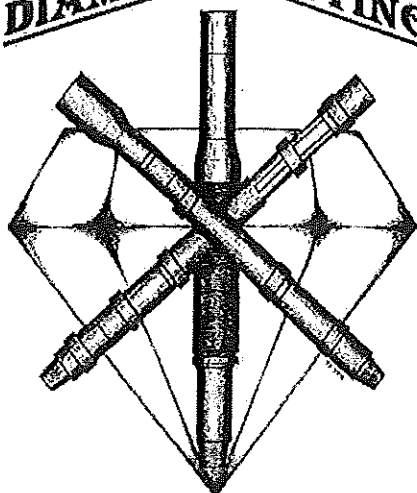
Time Set Packer(s) 12:59 P.M. Time Started off Bottom 3:59 P.M. Maximum Temperature 101°  
Initial Hydrostatic Pressure.....(A) 1151 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 7 P.S.I. to (C) 25 P.S.I.  
Initial Closed In Period.....Minutes 45 (D) 883 P.S.I.  
Initial Flow Period.....Minutes 45 (E) 29 P.S.I. to (F) 46 P.S.I.  
Initial Closed In Period.....Minutes 60 (G) 881 P.S.I.  
Initial Hydrostatic Pressure.....(H) 1145 P.S.I.

# DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313

**DIAMOND TESTING**



## TEST INFORMATION

Well Name	Barnhill "A" #33
Formation	Arbuckle 2418'-2479'
Surface Location	Sec 6-26s-5e-Butler Co-KS
Company Name	Vess Oil Corporation
Test Type	Bottom-Hole DST W/J&J
Gauge Name	Inside 5951
Start Test Date	2014/11/03
Start Test Time	10:53:00
Final Test Date	2014/11/03
Final Test Time	18:33:00
Job Number	F344
Contact	Casey Coats
Site Contact	Roger Martin

## TEST RESULTS

Initial flow, surface blow, increased to 5.25".

Final flow, surface blow, increased to 4.75".

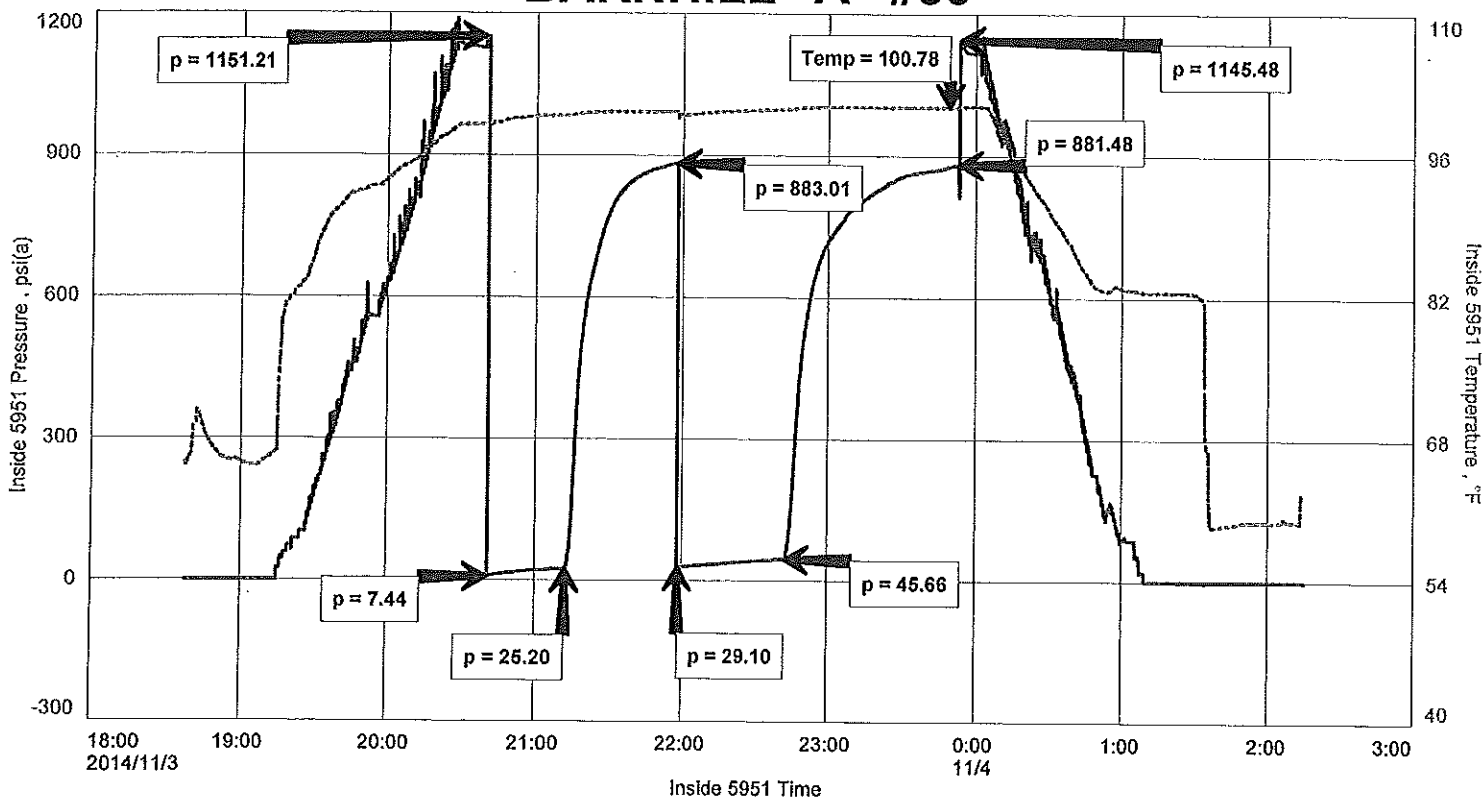
TOTAL FLUID RECOVERY: 105'

65'	Clean Oil	100% oil
40'	OCM	15% oil, 85% mud
-----	Tool sample: OCM	20% oil, 80% mud
-----	Gravity: 34.5	(corrected to 60F)

Vess Oil Corporation  
 DST #1 Arbuckle 2418'-2479'  
 Start Test Date: 2014/11/03  
 Final Test Date: 2014/11/03

Barnhill "A" #33  
 Formation: Arbuckle 2418'-2479'  
 Job Number: F344

## BARNHILL "A" #33



Vess Oil Corporation  
 DST #1 Arbuckle 2418-2479'  
 Start Test Date: 2014/1/03  
 Final Test Date: 2014/1/03

# BARNHILL "A" #33

Barnhill "A" #33  
 Formation: Arbuckle 2418-2479'  
 Job Number: F344

