



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
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STC/Varner-Prohaska1dst1

Company Vess Oil Corporation Lease & Well No. Varner-Prohaska No. 1
Elevation 1264 KB Formation Arbuckle Effective Pay Ft. Ticket No. J3376
Date 10-27-15 Sec. 8 Twp. 28S Range 4E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,387 ft. to 2,400 ft. Total Depth 2,400 ft.
Packer Depth 2,382 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2,387 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,390 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 2,397 ft. Recorder Number 13498 Cap. 6,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 180 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 48 Weight Pipe Length ft I.D. in.
Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 2,181 ft I.D. 3 in.
Chlorides 1,100 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 13 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: Strong blow increasing. Off bottom of bucket in 2 mins. Weak blow back during shut-in.
2nd Open: Strong blow increasing. Off bottom of bucket in 1 1/2 mins. No blow back during shut-in.

Recovered 60 ft. of gas in pipe
Recovered 590 ft. of gas cut oil = 6.395600 bbls. (Grind out: 15%-gas; 85%-oil) Gravity: 34 @ 60°
Recovered 225 ft. of slightly oil cut, gas cut water = 2.439000 bbls. (Grind out: 15%-gas; 5%-oil; 80%-water)
Recovered 980 ft. of very slightly oil cut, gas cut water = 9.557600 bbls. (Grind out: 15%-gas; 1%-oil; 84%-water)
Recovered 1,795 ft. of TOTAL FLUID = 18.392200 bbls.

Recovered ft. of
Remarks Tool Sample Grind Out: 100%-water (Chlorides: 24,000 Ppm RW: .45 @ 70°)

Time Set Packer(s) 7:25 P.M. Time Started off Bottom 10:25 P.M. Maximum Temperature 105°
Initial Hydrostatic Pressure.....(A) 1159 P.S.I.
Initial Flow Period.....Minutes 30 (B) 98 P.S.I. to (C) 446 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 951 P.S.I.
Final Flow Period.....Minutes 45 (E) 467 P.S.I. to (F) 749 P.S.I.
Final Closed In Period.....Minutes 60 (G) 952 P.S.I.
Final Hydrostatic Pressure.....(H) 1142 P.S.I.

Diamond Testing General Report



John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	VESS OIL CORPORATION	Job Number	J3376
Contact	PAUL RAMONETTA	Representative	JOHN RIEDL
Well Name	VARNER-PROHASKA #1	Well Operator	VESS OIL CORPORATION
Unique Well ID	DST #1 ARBUCKLE 2387-2400	Report Date	2015/10/28
Surface Location	S8/28S/4E BUTLER CO., KS	Prepared By	JOHN RIEDL
Field	AUGUSTA	Qualified By	ROGER MARTIN

Test Information

Test Type	DST #1 CONVENTIONAL
Formation	ARBUCKLE
Well Fluid Type	
Test Purpose	

Start Test Date	2015/10/27	Start Test Time	17:40:00
Final Test Date	2015/10/28	Final Test Time	03:20:00

Test Recovery

RECOVERY: 60' GAS IN PIPE
 590' GAS CUT OIL (15% GAS, 85% OIL) GRAVITY: 34 @ 60 DEGREES
 225' SLIGHTLY OIL CUT, GAS CUT WATER (15% GAS, 5% OIL, 80% WATER)
 980' VERY SLIGHTLY OIL CUT, GAS CUT WATER (15% GAS, 1% OIL, 84% WATER)
 1795' TOTAL FLUID

TOOL SAMPLE: 100% WATER

CHLORIDES: 24,000 PPM
RW: .45 @ 70 DEGREES

VESS OIL CORPORATION
DST #1 ARBUCKLE 2387-2400
Start Test Date: 2015/10/27
Final Test Date: 2015/10/28

VARNER-PROHASKA #1
Formation: ARBUCKLE
Pool: Infield
Job Number: J3376

VARNER-PROHASKA #1

