

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
jwsmith48dst1

Company Vess Oil Corporation Lease & Well No. J. W. Smith No. 48
Elevation 1272 KB Formation Kansas City Effective Pay _____ Ft. Ticket No. F133
Date 5-30-13 Sec. 20 Twp. 28S Range 4E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 2,045 ft. to 2,060 ft. Total Depth 2,060 ft.
Packer Depth 2,040 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,045 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,024 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,057 ft. Recorder Number 11033 Cap. 5,150 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 52 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 1,832 ft I.D. 3 in.
Chlorides 900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 15 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: Surface blow. Dead in 10 mins. No blow back during shut-in.

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

Recovered 1 ft. of drilling mud = .004920 bbls. (Grind out: 100%-mud)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-drilling mud

Time Set Packer(s) 3:05 A.M. Time Started off Bottom 6:05 A.M. Maximum Temperature 95°
Initial Hydrostatic Pressure.....(A) 1000 P.S.I.
Initial Flow Period.....Minutes 30 (B) 7 P.S.I. to (C) 9 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 124 P.S.I.
Final Flow Period.....Minutes 45 (E) 9 P.S.I. to (F) 9 P.S.I.
Final Closed In Period.....Minutes 60 (G) 105 P.S.I.
Final Hydrostatic Pressure.....(H) 996 P.S.I.



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Vess Oil Corporation	Well Name	JW Smith #48
Well Operator	Vess Oil Corporation	Unique Well ID	DST #1 Kansas City 2045'-2060'
Contact	Casey Coats	Surface Location	Sec 20-28s-4e-Butler Co.-KS
Site Contact	Roger Martin	Test Unit	#5
Field	Augusta	Pool	Augusta
Well Type	Vertical	Job Number	F133
Prepared By	Jake Fahrenbruch	Qualified By	Roger Martin

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	Kansas City 2045'-2060'	Gauge Name	0062
Start Test Date	2013/05/30	Start Test Time	01:08:00
Final Test Date	2013/05/30	Final Test Time	08:09:00

Test Results

30 min initial flow: Surface blow, dead in 10 minutes.
 45 min initial shut-in: No blow.
 45 min final flow: No blow.
 60 min final shut-in: No blow.

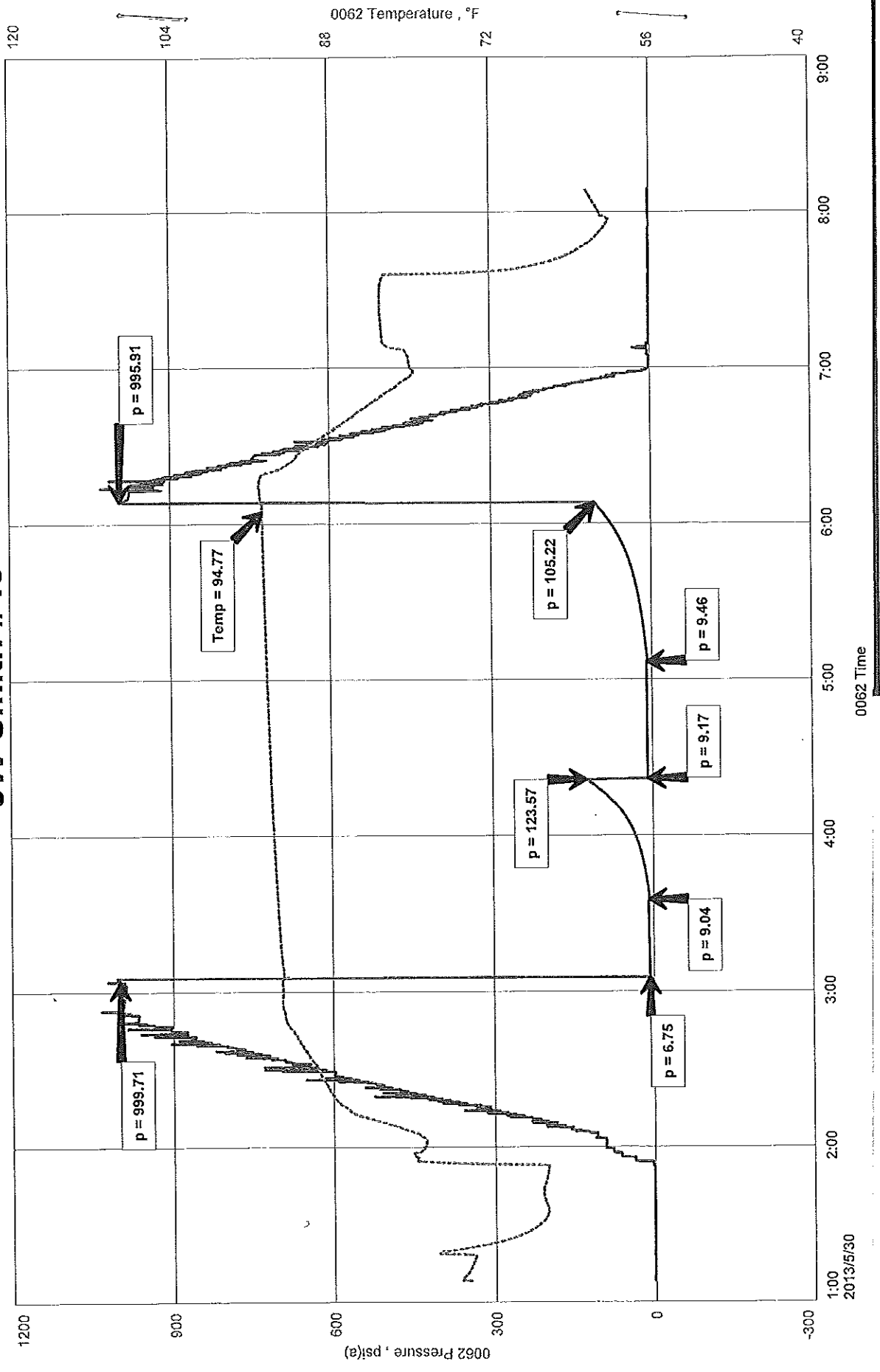
Recovered: 1' Drilling Mud 100% mud
 Tool Sample: 100% Drilling Mud
 Bottom-Hole Temp: 95 Deg F

Pressures: IHP: 1000
 IFP: 7-9
 ISIP: 124
 FFP: 9-9
 FSIP: 105
 FHP: 996

JW Smith #48
 Formation: Kansas City 2045'-2060'
 Pool: Augusta
 Job Number: F133

Vess Oil Corporation
 DST #1 Kansas City 2045'-2060'
 Start Test Date: 2013/05/30
 Final Test Date: 2013/05/30

JW Smith #48





DIAMOND TESTING, LLC
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 jwsmith48dst2

Company Vess Oil Corporation Lease & Well No. J. W. Smith No. 48
 Elevation 1272 KB Formation Arbuckle Effective Pay _____ Ft. Ticket No. F134
 Date 6-1-13 Sec. 20 Twp. 28S Range 4E County Butler State Kansas
 Test Approved By Roger L. Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 2,399 ft. to 2,475 ft. Total Depth 2,475 ft.
 Packer Depth 2,394 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 2,399 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,378 ft. Recorder Number 0062 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 2,472 ft. Recorder Number 11033 Cap. 5,150 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 150 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 50 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.4 Water Loss 8.4 cc. Drill Pipe Length 2,216 ft I.D. 3 in.
 Chlorides 900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 5 Anchor Length 44' perf. w/32' 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 1 3/4 ins. No blow back during shut-in.
 2nd Open: No blow increasing to 1/2 in. No blow back during shut-in.

Recovered 25 ft. of free oil = .123000 bbls. (Grind out: 100%-oil) Gravity: 32.5
 Recovered 20 ft. of oil cut mud = .098400 bbls. (Grind out: 15%-oil; 85%-mud)
 Recovered 45 ft. of TOTAL FLUID = .221400 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks Tool Sample Grind Out: 20%-oil; 80%-mud

Time Set Packer(s) 10:35 P.M. Time Started off Bottom 1:35 A.M. Maximum Temperature 106°
 Initial Hydrostatic Pressure.....(A) 1185 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 19 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 914 P.S.I.
 Final Flow Period.....Minutes 45 (E) 22 P.S.I. to (F) 32 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 913 P.S.I.
 Final Hydrostatic Pressure.....(H) 1184 P.S.I.



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General Information

Company Name Vess Oil Corporation
Well Operator Vess Oil Corporation
Contact Casey Coats
Site Contact Roger Martin
Field Augusta
Well Type Vertical
Prepared By Jake Fahrenbruch

Well Name JW Smith #48
Unique Well ID DST #2 Arbuckle 2399'-2475'
Surface Location Sec 20-28s-4e-Butler Co.-KS
Test Unit #5
Pool Augusta
Job Number F134
Qualified By Roger Martin

Test Information

Test Type Conventional Bottom-Hole
Formation Arbuckle 2399'-2475'
Start Test Date 2013/05/31
Final Test Date 2013/06/01

Test Purpose Initial Test
Gauge Name 0062
Start Test Time 20:30:00
Final Test Time 04:15:00

Test Results

30 min initial flow: Surface blow, increased to 1.75".
45 min initial shut-in: No blowback.
45 min final flow: No blow, increased to .5".
60 min final shut-in: No blowback.

Recovered: 25' Free Oil 100% oil
20' OCM 15% oil, 85% mud
---- Total Recovered Fluid: 45'
---- Tool Sample: OCM, 20% oil, 80% mud
---- Gravity: 32.5 (corrected)
---- Bottom-Hole Temperature: 106 Deg F

Pressures: IHP: 1185
IFP: 11-19
ISIP: 914
FFP: 22-32
FSIP: 913
FHP: 1184

Vess Oil Corporation
DST #2 Arbuckle 2399'-2475'
Start Test Date: 2013/05/31
Final Test Date: 2013/06/01

JW Smith #48
Formation: Arbuckle 2399'-2475'
Pool: Augusta
Job Number: F134

JW Smith #48

