

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
kooglers107DST1

Company Vess Oil Corporation Lease & Well No. Koogler "S" No. 107
Elevation 1330 KB Formation Viola Effective Pay Ft. Ticket No. S0326
Date 5-9-13 Sec. 30 Twp. 26S Range 5E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 2,501 ft. to 2,624 ft. Total Depth 2,624 ft.
Packer Depth 2,496 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2,501 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,482 ft. Recorder Number 8471 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 2,621 ft. Recorder Number 3851 Cap. 5,700 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 89 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 51 Weight Pipe Length ft I.D. in.
Weight 9.4 Water Loss 8.2 cc. Drill Pipe Length 2,379 ft I.D. 3 1/2 in.
Chlorides 900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-FH in.
Jars: Make Sterling Serial Number 3 Anchor Length 35' perf. w/88' 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: Weak, 1/4 in. blow increasing to 3 ins. in 30 mins. No blow back during shut-in.
2nd Open: Weak surface blow increasing to 2 3/4 ins. in 45 mins. No blow back during shut-in.

Recovered 5 ft. of slightly oil specked mud = .054200 bbls. (Grind out: 100%-mud w/oil specks)
Recovered 90 ft. of slightly oil specked mud = .448720 bbls. (Grind out: 100%-mud w/oil specks)
Recovered 95 ft. of TOTAL FLUID = .502920 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud with oil specks

Time Set Packer(s) 4:33 P.M. Time Started off Bottom 7:33 P.M. Maximum Temperature 103°
Initial Hydrostatic Pressure.....(A) 1219 P.S.I.
Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 29 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 439 P.S.I.
Final Flow Period.....Minutes 45 (E) 31 P.S.I. to (F) 55 P.S.I.
Final Closed In Period.....Minutes 60 (G) 438 P.S.I.
Final Hydrostatic Pressure.....(H) 1205 P.S.I.



DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043

Company Name Vess Oil Corp.
 Contact Casey Coats
 Well Name Koogler S #107
 Unique Well ID DST #1 Viola 2501-2624'
 Surface Location SEC 30-26S-5E Butler County
 Field El Dorado

Test Information

Test Type	Drill Stem Test	Job Number	S0326
Formation	DST #1 Viola 2501-2624'	Test Unit	3
Test Purpose	Initial Test	Representative	Jacob McCallie
Well Fluid Type	01 Oil	Well Operator	Vess Oil Corp.
H2S		Report Date	2013/05/09
		Prepared By	Jacob McCallie
		Qualified By	Roger Martin

Start Test Date	2013/05/09	Start Test Time	14:14:00
Final Test Date	2013/05/09	Final Test Time	22:32:00

Remarks

RECOVERED:

	5'	SLOSM	100% M (oil specks)
DC	90'	SLOSM	100% M (oil specks)
	95'	TOTAL FLUID	

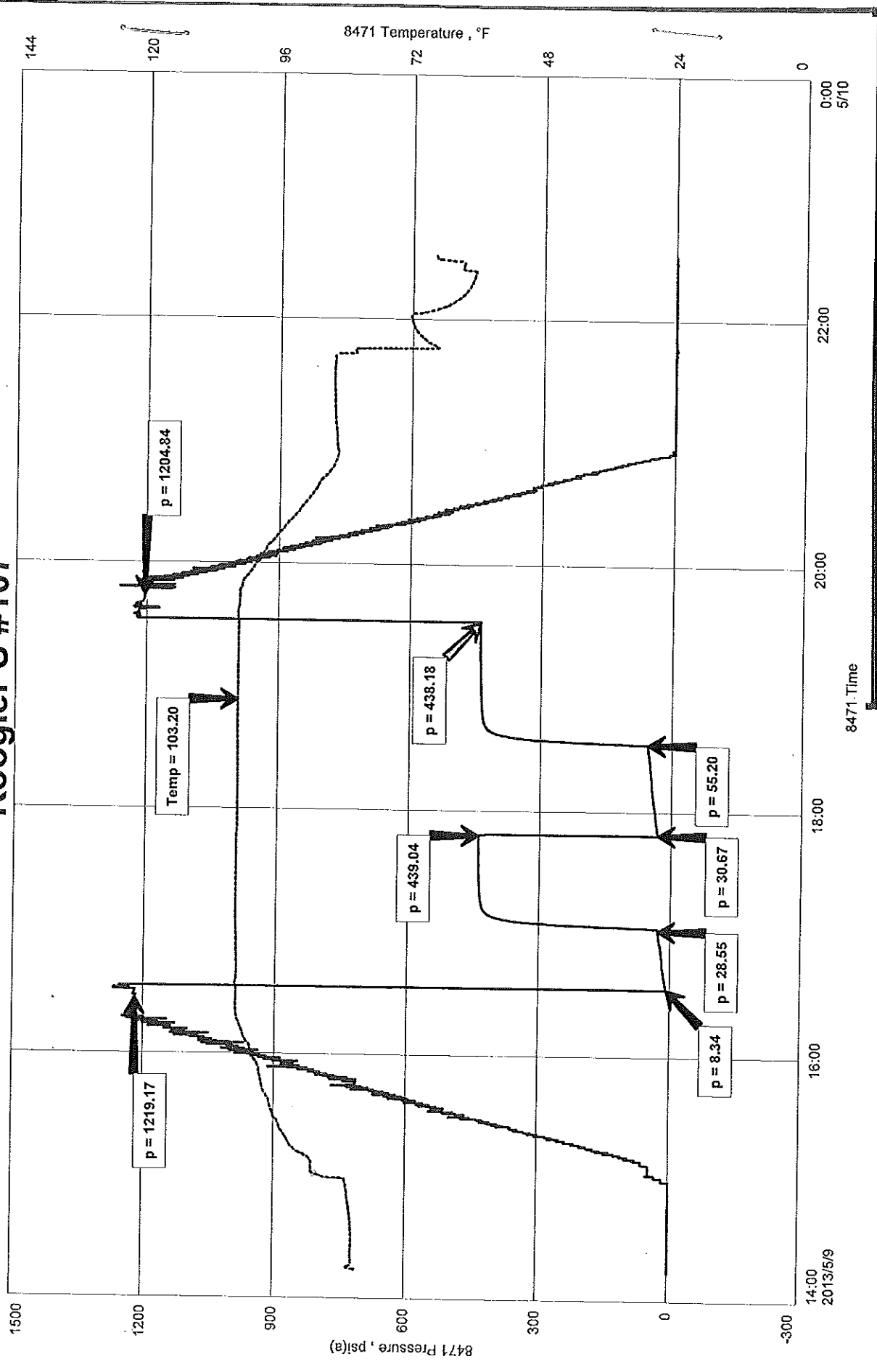
TOOL SAMPLE:

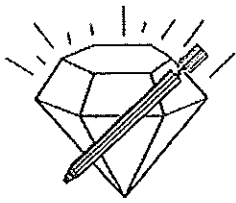
100% M (oil specks)

Vess Oil Corp.
 DST #1 Viola 2501-2624'
 Start Test Date: 2013/05/09
 Final Test Date: 2013/05/09

Coogler S #107

Coogler S #107
 Formation: DST #1 Viola 2501-2624'
 Pool: Infield
 Job Number: S0326





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
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kooglers107DST2

Company Vess Oil Corporation Lease & Well No. Koogler "S" No. 107
Elevation 1330 KB Formation Viola Effective Pay _____ Ft. Ticket No. S0327
Date 5-10-13 Sec. 30 Twp. 26S Range 5E County Butler State Kansas
Test Approved By Roger L. Martin Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 2,626 ft. to 2,634 ft. Total Depth 2,634 ft.
Packer Depth 2,621 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,626 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,607 ft. Recorder Number 8471 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 2,631 ft. Recorder Number 3851 Cap. 5,700 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 51 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.4 Water Loss 8.2 cc. Drill Pipe Length 2,415 ft I.D. 3 1/2 in.
Chlorides 900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 3 Anchor Length 8 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: Good, 7 1/2 in. blow increasing. Off bottom of bucket in 43 secs. No blow back during shut-in.

2nd Open: Weak, 1/2 in. blow increasing to 4 1/4 ins. in 45 mins. No blow back during shut-in.

Recovered 31 ft. of gas in pipe
Recovered 186 ft. of clean oil = 2.016240 bbls. (Grind out: 100%-oil) Gravity: 33.5 @ 60°
Recovered 91 ft. of slightly oil cut, mud cut water = .986440 bbls. (Grind out: 8%-oil; 66%-water; 26%-mud)
Recovered 682 ft. of oil specked, slightly mud cut water = 7.392880 bbls. (Grind out: 2%-oil; 86%-water; 12%-mud)
Recovered 180 ft. of oil specked, slightly mud cut water = .8974400 bbls. (Grind out: 2%-oil; 86%-water; 12%-mud) Chlorides: 21,000 Ppm PH: 7.0 RW: .25 @ 78°
Recovered 1,139 ft. of TOTAL FLUID = 11.293000 bbls.
Remarks Tool Sample Grind Out: 2%-oil; 97%-water; 1%-mud

Time Set Packer(s) 7:48 A.M. Time Started off Bottom 10:48 A.M. Maximum Temperature 106°
Initial Hydrostatic Pressure.....(A) 1270 P.S.I.
Initial Flow Period.....Minutes 30 (B) 114 P.S.I. to (C) 490 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 497 P.S.I.
Final Flow Period.....Minutes 45 (E) 488 P.S.I. to (F) 498 P.S.I.
Final Closed In Period.....Minutes 60 (G) 500 P.S.I.
Final Hydrostatic Pressure.....(H) 1262 P.S.I.



DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043

Company Name Vess Oil Corp.
 Contact Casey Coats
 Well Name Koogler S #107
 Unique Well ID DST #2 Viola 2626-2634'
 Surface Location SEC 30-26S-5E Butler County
 Field Eldorado

Test Information

Job Number S0327
 Test Unit 3
 Representative Jacob McCallie
 Well Operator Vess Oil Corp.
 Report Date 2013/05/10
 Prepared By Jacob McCallie
 Qualified By Roger Martin

Test Type Drill Stem Test
 Formation DST #2 Viola 2626-2634'
 Test Purpose Initial Test
 Well Fluid Type 01 Oil
 H2S

Start Test Date 2013/05/10 Start Test Time 05:51:00
 Final Test Date 2013/05/10 Final Test Time 14:20:00

Remarks

RECOVERED:

	31'	GIF		
	186'	CO	100% O	GRAVITY: 33.5 @ 60 degrees F
	91'	SLOCMCW	8% O 66% W 26% M	
	682'	OSSLMCW	2% O 86% W 12% M	
DC	180'	OSSLMCW	2% O 86% W 12% M	
	1139'	TOTAL FLUID		

PH: 7
 RW: .25 @ 78 degrees F
 Chlorides: 21,000 ppm

TOOL SAMPLE:
 2% O 97% W 1% M

Vess Oil Corp.
 DST #2 Viola 2626-2634'
 Start Test Date: 2013/05/10
 Final Test Date: 2013/05/10

Formation: DST #2 Viola 2626-2634'
 Pool: Infield
 Job Number: S0327

Coogler S #107

