



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: **STOPPEL1DST3**

TIME ON: 02:19  
TIME OFF: 08:49

Company Quail Oil & Gas, LC Lease & Well No. Stoppel #1-8  
Contractor WW Drlg. Rig # 4 Charge to Quail Oil & Gas, LC  
Elevation 1730' KB Formation Simpson SS Effective Pay \_\_\_\_\_ Ft. Ticket No. F434  
Date 6-2-16 Sec. 8 Twp. 22s S Range 9w W County Reno State KANSAS  
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 3590 ft. to 3615 ft. Total Depth 3615 ft.  
Packer Depth 3585 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3590 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3591 ft. Recorder Number 5591 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3592 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 (2# LCM) Drill Collar Length 122 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6,800 P.P.M. Drill Pipe Length 3,440 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 J&SJ Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Blow increased to 8.5" No blowback.  
2nd Open: Blow increased to 4.5" No blowback.

Recovered 90 ft. of Drlg Mud 100% mud  
Recovered 125 ft. of Mud Cut Water 10% mud, 90% water  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of Tool sample, HMCW w/Tr oil, <1% oil, 33% mud, >66% wtr

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL RECOVERED FLUID: 215'</u>	Insurance
<u>Chlorides: 19,000 PPM, RW: .36 ohm @ 70 F, PH: 7.0</u>	Total

Time Set Packer(s) 04:14 A.M. P.M. Time Started Off Bottom 07:00 A.M. P.M. Maximum Temperature 115 F

Initial Hydrostatic Pressure..... (A) 1805 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 83 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1039 P.S.I.  
Final Flow Period..... Minutes 30 (E) 86 P.S.I. to (F) 113 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1037 P.S.I.  
Final Hydrostatic Pressure..... (H) 1799 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.







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**DRILL-STEM TEST TICKET**  
 FILE: STOPPEZ 1DST3

ON LOCATION: 02:00  
 START RECORDERS: 02:19  
 STOP RECORDERS: 08:49

Company QUATEL OIL & GAS LLC Lease & Well No. STOPPEZ #1-8  
 Contractor W/W DRILLING RIG #4 Charge to QUATEL OIL & GAS LLC  
 Elevation 1730' KB Formation SEMPSONSS Effective Pay \_\_\_\_\_ Ft. Ticket No. F434  
 Date 6-2-16 Sec. 8 Twp. 22S Range 9W County RENO State KS  
 Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 3 Interval Tested from 3590 ft. to 3615 ft. Total Depth 3615 ft.  
 Packer Depth 3585 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3590 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3591 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3592 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Mud Type CHEMICAL Viscosity 52 (2#10CM) Drill Collar Length 122 ft. I.D. 2 1/4 in.  
 Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 6800 P.P.M. Drill Pipe Length 3440 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&S JNT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 25 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INC TO 8 1/2". NO BLOWBACK.  
 2nd Open: BLOW INC TO 4 1/2". NO BLOWBACK

Recovered 90 ft. of DRILL MUD 100% MUD  
 Recovered 125 ft. of MUD CUT WATER 10% MUD, 90% WTR  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of TOOL SAMPLE: HMCW w/TR OIL <1" OIL, 33% MUD, 76% WTR

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL RECOVERED FLUID: 215'</u>	<u>J&amp;S JNT</u>
<u>CHLORIDES: 19,000 PPM</u>	<u>III MRT (PRATT)</u>
<u>RW: .365 @ 70°F</u> <u>PH: 7.0</u>	Total

Time Set Packer(s) 04:15 A.M. P.M. Time Started Off Bottom 07:00 A.M. P.M. Maximum Temperature 115°F

Initial Hydrostatic Pressure..... (A) 1805 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 83 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1039 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 86 P.S.I. to (F) 113 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1037 P.S.I. Thank you!  
 Final Hydrostatic Pressure..... (H) 1799 P.S.I. Jake Fahrenbruch

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# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

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



## TEST INFORMATION

<b>Well Name</b>	Stoppel #1-8
<b>Company Name</b>	Quail Oil & Gas, LLC
<b>Formation</b>	DST #3, Simpson SS, 3590'-3615'
<b>Test Type</b>	Bottom-Hole w/jars & safety joint
<b>Surface Location</b>	Sec 8-22s-9w-Reno-KS
<b>KB Elevation (SL)</b>	1730.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2016/06/02
<b>Start Test Time</b>	02:19:00
<b>Final Test Date</b>	2016/06/02
<b>Final Test Time</b>	08:49:00
<b>Job Number</b>	F434
<b>Contact</b>	Wray Valentine
<b>Site Contact</b>	Roger Martin

## TEST RESULTS

Initial flow, blow increased to 8.5" in 30 minutes. No blowback.  
 Final flow, blow increased to 4.5" in 30 minutes. No blowback.

**TOTAL RECOVERED FLUID: 215'**

90' drilling mud      100% mud  
 125' mud cut water    10% mud, 90% water

-----Tool sample, heavy mud cut water w/trace oil show, <1% oil, 33% mud, >66% wtr.

-----Chlorides: 19,000 PPM, RW: .36 ohm @ 70 F, PH: 7.0

## DST #3, SIMPSON SS, 3590'-3615'

