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DEC 19 2003

KCC WICHITA

# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 11-18-2003 Location 4<sup>th</sup> 4<sup>th</sup> 7-13<sup>th</sup> 13<sup>N</sup> Elevation 1813<sup>KR</sup>  
18076L County Russell

Company Rains & Williamson Oil Company INC. Number of Copies 5

Charts Mailed to 220 W Douglas Suite 200 Wichita, Kansas 67202 - P.O. Box 1066 Hutchinson, Kansas 67501

Drilling Contractor Vonfeldt Drilling

Length Drill Pipe 2941 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 2955 Bottom Packer Depth 2960 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2960 TO 3126 ANCHOR LENGTH 66 TOTAL DEPTH 3126 Hole Size 7 7/8

EASE & WELL NO. Holland 1-7 FORMATION TESTED Kansas City TEST NO. 1

Mud Weight 8.8 Viscosity 42 Water Loss 9.2 Chlorides - Pits 2400 D.S.T. \_\_\_\_\_

Maximum Temp. 93 °F Initial Hydrostatic Pressure (A) 1513 P.S.I. Final Hydrostatic Pressure (H) 1422 P.S.I.

Tool Open I.F.P. from 1:45 a.m. to 2:15 a.m. 30 min

Tool Closed I.C.I.P. from 2:15 a.m. to 1:45 a.m. 30 min

Tool Open F.F.P. from 2:45 a.m. to 3:15 a.m. 30 min

Tool Closed F.C.I.P. from 3:15 a.m. to 3:45 a.m. 30 min

Initial Blow WEAK blow for 22 minutes & DIED

Final Blow no blow - flush tool Good Surber - No help

Total Feet Recovered 25 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

25 Feet of Drilling mud with a good show of % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of oil between the tools % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks \_\_\_\_\_

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 91716 Clock No. Electronic Depth 3121 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 21123 Insurance NONE

Price of Job \_\_\_\_\_

Tool Operator Steve Budy

Approved By \_\_\_\_\_

N<sup>o</sup> 12483

from [B]	<u>53</u>	P.S.I. to [C]	<u>57</u>	P.S.I.
[D]	<u>680</u>			P.S.I.
from [E]	<u>58</u>	P.S.I. to [F]	<u>66</u>	P.S.I.
[G]	<u>649</u>			P.S.I.

Superior Testers Enterprises, Inc. shall not be liable for damage 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 statements or opinion concerning the results 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.

**SUPERIOR TESTERS ENTERPRISES INC.**

**Great Bend, Kansas**

**CHART DATA**

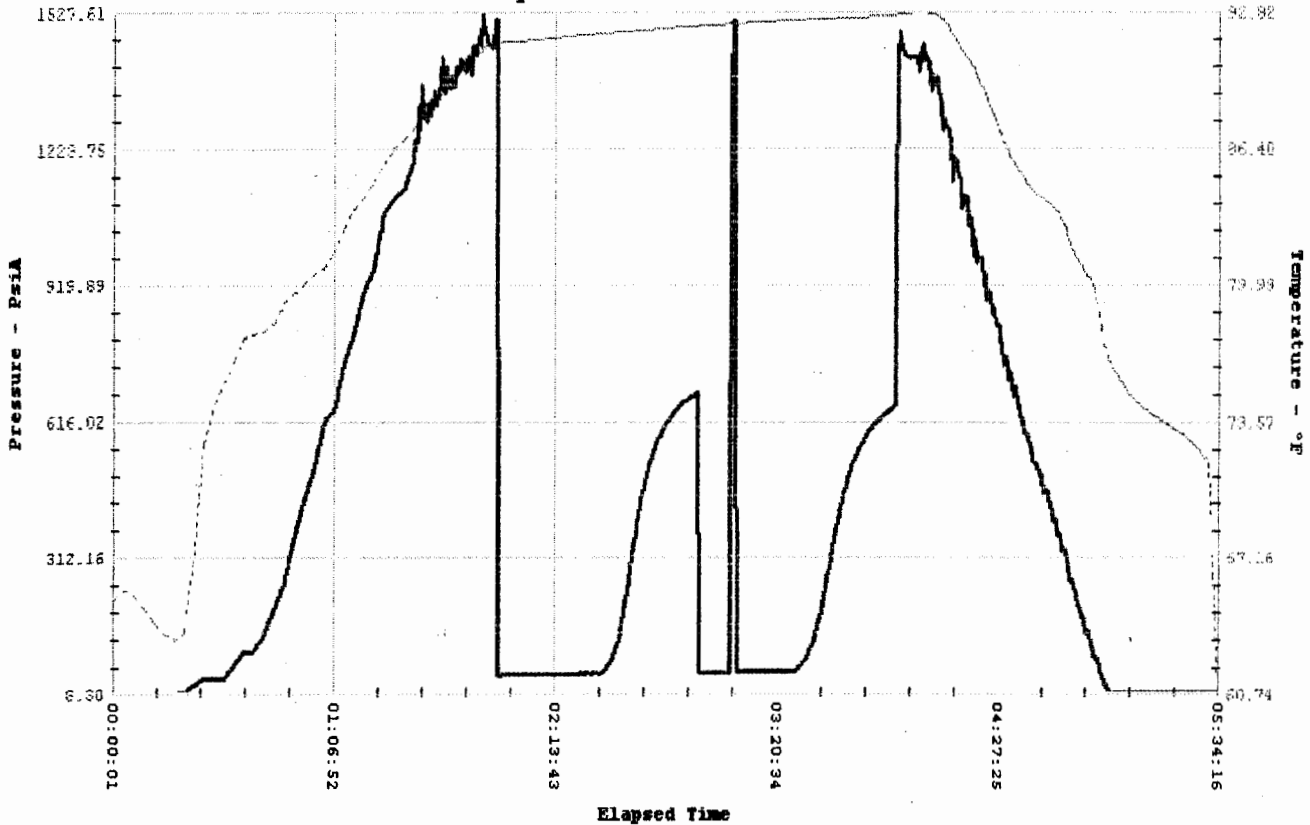
**(316) 792-6902**

State ..... KANSAS  
 County ..... RUSSELL  
 Field .....

Test Date ..... November 18, 2003  
 Sec Town Range ..... 7-13S-13W  
 Report Number ..... 12483

Company: RAINS & WILLIAMSON OIL COMPANY Lease & Well No. HOLLAND #1-7 Test #: 1 Date: 11-18-2003 SEC  
 7 TWP. 13S RGE. 13W

**Temperature / Pressure Data**



**Field Reading**

(1)	Initial Hydrostatic Pressure	1513
(2)	Initial Flow Pressure	53
(3)	Final Initial Flow Pressure	57
(4)	Initial Shut-In Pressure	680
(5)	Initial Final Flow Pressure	58
(6)	Final Flow Pressure	66
(7)	Final Shut-In Pressure	649
(8)	Final Hydrostatic Pressure	1422

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**ELECTRONIC RECORDER DEPTH 3019 FT, RECORDER NUMBER 80507**

**SUPERIOR TESTERS ENTERPRISES INC.**  
**DRILL STEM TEST REPORT**  
 GREAT BEND, KANSAS 67530 (316)792-8902

**GENERAL INFORMATION**

COMPANY NAME .....	<b>RAINS &amp; WILLIAMSON OIL COMPANY INC.</b>	LEASE AND WELL NUMBER .....	<b>HOLLAND</b>
TEST DATE .....	<b>11/18/2003</b>	FORMATION TESTED .....	<b>KANSAS CITY</b>
SECTION-TOWN-RANGE .....	<b>7-13S-13W</b>	DRILL STEM TEST NUMBER .....	<b>1</b>
STATE .....	<b>KANSAS</b>	REPORT NUMBER .....	<b>12483</b>
COUNTY .....	<b>RUSSELL</b>	ELEVATION KELLY BUSHINGS .....	<b>1813</b>
ELEVATION GROUND LEVEL .....	<b>1807</b>	TESTING ENGINEER .....	<b>GENE BUDIG</b>
COMPANY REPRESENTATIVE .....	<b>JIM MUSGROVE</b>		

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) .....	<b>2960</b>	TOP PACKER DEPTH .....	<b>2955</b>
TEST INTERVAL (to) .....	<b>3026</b>	BOTTOM PACKER DEPTH .....	<b>2960</b>
ANCHOR LENGTH .....	<b>66</b>	NUMBER OF PACKERS .....	<b>2</b>
TOTAL DEPTH (ft) .....	<b>3026</b>	PACKER SIZE .....	<b>6 3/4</b>
		HOLE SIZE .....	<b>7 7/8</b>

**FLOW TIMES**

*INITIAL OPEN*

TOOL OPEN (from) ..... **1:45**  
 TOOL OPEN (to) ..... **2:15**  
 DURATION (min.) ..... **30**

*INITIAL SHUT-IN*

TOOL CLOSED (from) ..... **2:15**  
 TOOL CLOSED (to) ..... **2:45**  
 DURATION (min.) ..... **30**

*FINAL OPEN*

TOOL OPEN (from) ..... **2:45**  
 TOOL OPEN (to) ..... **3:15**  
 DURATION (min.) ..... **30**

*FINAL SHUT-IN*

TOOL CLOSED (from) ..... **3:15**  
 TOOL CLOSED (to) ..... **3:45**  
 DURATION (min.) ..... **30**

**PRESSURE READINGS**

INITIAL HYDROSTATIC ..... **1513**  
 INITIAL FLOW ..... **53**  
 FINAL INITIAL FLOW ..... **57**  
 INITIAL SHUT-IN ..... **680**  
 INITIAL FINAL FLOW ..... **58**  
 FINAL FLOW ..... **66**  
 FINAL SHUT-IN ..... **649**  
 FINAL HYDROSTATIC ..... **1422**

MAXIMUM TEMPERATURE ..... **93**

TOP RECORDER DEPTH ..... **3019**  
 RECORDER NUMBER ..... **80507**  
 BOTTOM RECORDER DEPTH ..... **3023**  
 RECORDER NUMBER ..... **13208**

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INITIAL BLOW                      **WEAK BLOW FOR 22 MINUTES AND DIED**

FINAL BLOW                        **NO BLOW FLUSHED TOOL AFTER 10 MINUTES GOOD SURGE NO HELP**

**EXTRA EQUIPMENT**

JARS .....	<b>NO</b>	EXTRA PACKER (3RD) .....	<b>NO</b>
SAFETY JOINT .....	<b>NO</b>	EXTRA PACKER (4TH) .....	<b>NO</b>
ELECTRONIC RECORDER .....	<b>YES</b>	STRADDLE .....	<b>NO</b>
CIRCULATING SUB .....	<b>NO</b>	HOOK WALL .....	<b>NO</b>
		SAMPLER .....	<b>NO</b>



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# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530  
(316) 792-6902

Date 11-18-03 Location SW-NE-NE 7-13-13<sup>W</sup> Elevation 1813 RB, 18076L County Russell

Company Rains & Williamson Oil Company Inc Number of Copies 5

Parts Mailed to 220 West Douglas Suite 200 Wichita, Kansas 67202

Drilling Contractor Vonderloh Drilling Rig #1

Length Drill Pipe 2007 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X H

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3021 Bottom Packer Depth 3026 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3026 TO 3048 ANCHOR LENGTH 22 TOTAL DEPTH 3048 Hole Size 7 7/8"

BASE & WELL NO. Holland #1-7 FORMATION TESTED Kansas City TEST NO. 2

Mud Weight 8.8 Viscosity 42 Water Loss 9.4 Chlorides - Pits 2400 D.S.T. \_\_\_\_\_

Maximum Temp. 89 °F Initial Hydrostatic Pressure (A) 1505 P.S.I. Final Hydrostatic Pressure (H) 1438 P.S.I.

Time of Open I.F.P. from 1:00 pm to 1:30 pm 30 min

Time of Closed I.C.I.P. from 1:30 pm to 2:00 pm 30 min

Time of Open F.F.P. from 2:00 pm to 2:30 pm 30 min

Time of Closed F.C.I.P. from 2:30 pm to 3:00 pm 30 min

Initial Blow WEAK blow for 22 minutes & WEAK intermittent for 6 minutes

Final Blow No blow - flushed tool - WEAK intermittent blow for 12 minutes & DIED

Total Feet Recovered 50 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

50 Feet of Drilling mud no shows % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks \_\_\_\_\_

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 91716 Clock No. Electronic Depth 3043 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 3045 Insurance NONE

Price of Job \_\_\_\_\_

Tool Operator Dave Dudy

Approved By \_\_\_\_\_

No. 12484

from [B] <u>33</u> P.S.I. to [C] <u>46</u> P.S.I.
[D] <u>660</u> P.S.I.
from [E] <u>45</u> P.S.I. to [F] <u>54</u> P.S.I.
[G] <u>632</u> P.S.I.

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**SUPERIOR TESTERS ENTERPRISES INC.**

**Great Bend, Kansas**

**CHART DATA**

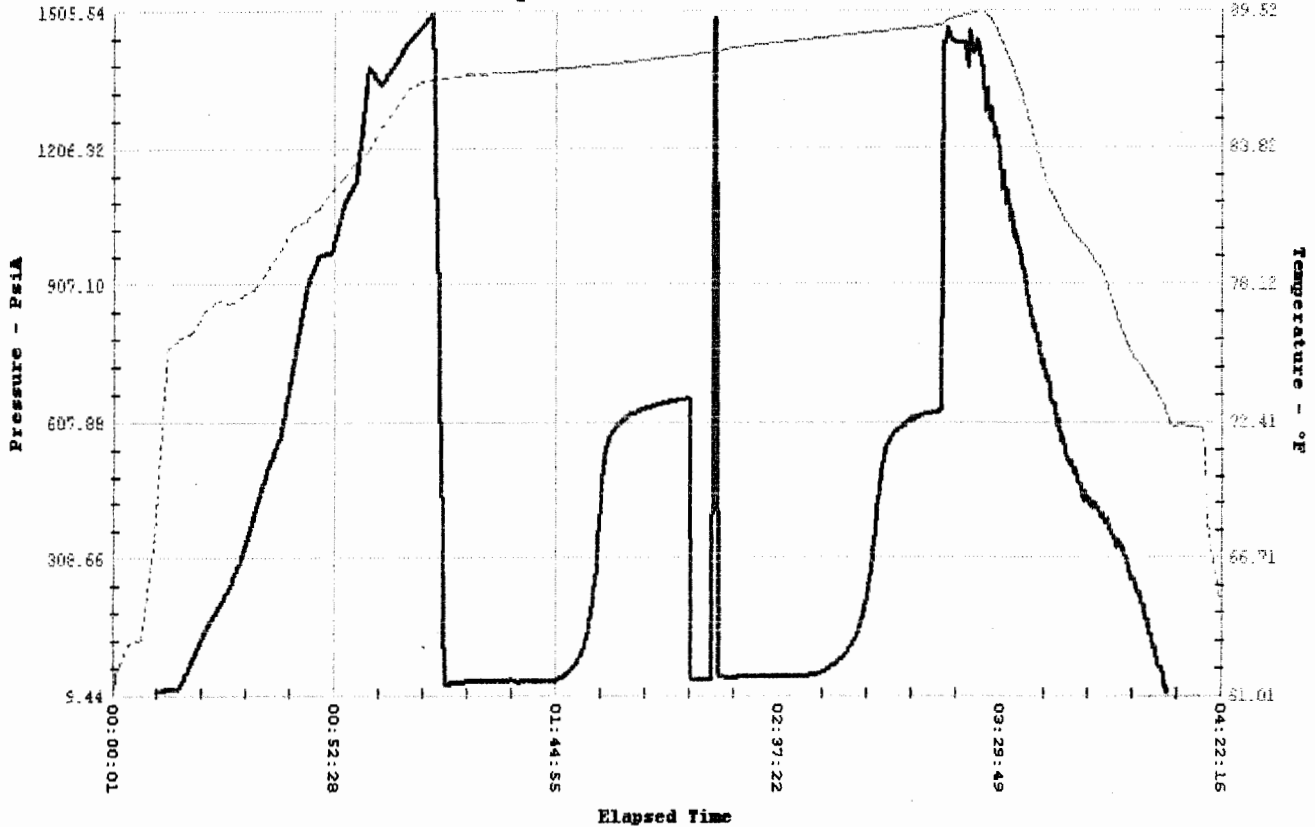
**(316) 792-6902**

State ..... KANSAS  
 County ..... RUSSELL  
 Field .....

Test Date ..... November 18, 2003  
 Sec Town Range ..... 7-13S-13W  
 Report Number ..... 12484

Company: **RAINS & WILLIAMSON OIL COMPANY INC.** Lease & Well No. **HOLLAND #1-7** Test #: **2** Date: **11-18-2003**  
 SEC. 7 TWP. 13S RGE. 13W

**Temperature / Pressure Data**



**Field Reading**

(1)	Initial Hydrostatic Pressure	1505
(2)	Initial Flow Pressure	33
(3)	Final Initial Flow Pressure	46
(4)	Initial Shut-In Pressure	660
(5)	Initial Final Flow Pressure	45
(6)	Final Flow Pressure	54
(7)	Final Shut-In Pressure	632
(8)	Final Hydrostatic Pressure	1438

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**ELECTRONIC RECORDER DEPTH 3041 FT, RECORDER NUMBER 91716**

# SUPERIOR TESTERS ENTERPRISES INC.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

### GENERAL INFORMATION

COMPANY NAME .....	<b>RAINS &amp; WILLIAMSON OIL COMPANY INC.</b>	LEASE AND WELL NUMBER .....	<b>HOLLAND #1-7</b>
TEST DATE .....	<b>11/18/2003</b>	FORMATION TESTED .....	<b>KANSAS CITY</b>
SECTION-TOWN-RANGE .....	<b>7-13S-13W</b>	DRILL STEM TEST NUMBER .....	<b>2</b>
STATE .....	<b>KANSAS</b>	REPORT NUMBER .....	<b>12484</b>
COUNTY .....	<b>RUSSELL</b>	ELEVATION KELLY BUSHINGS .....	<b>1813</b>
ELEVATION GROUND LEVEL .....	<b>1807</b>	TESTING ENGINEER .....	<b>GENE BUDIG</b>
COMPANY REPRESENTATIVE .....	<b>JIM MUSGROVE</b>		

### TOOL SETTING INFORMATION

TEST INTERVAL (From) .....	<b>3026</b>	TOP PACKER DEPTH .....	<b>3021</b>
TEST INTERVAL (to) .....	<b>3048</b>	BOTTOM PACKER DEPTH .....	<b>3026</b>
ANCHOR LENGTH .....	<b>22</b>	NUMBER OF PACKERS .....	<b>2</b>
TOTAL DEPTH (ft) .....	<b>3048</b>	PACKER SIZE .....	<b>6 3/4</b>
		HOLE SIZE .....	<b>7 7/8</b>

### FLOW TIMES

*INITIAL OPEN*

TOOL OPEN (from) ..... **1:00**  
 TOOL OPEN (to) ..... **1:30**  
 DURATION (min.) ..... **30**

*INITIAL SHUT-IN*

TOOL CLOSED (from) ..... **1:30**  
 TOOL CLOSED (to) ..... **2:00**  
 DURATION (min.) ..... **30**

*FINAL OPEN*

TOOL OPEN (from) ..... **2:00**  
 TOOL OPEN (to) ..... **2:30**  
 DURATION (min.) ..... **30**

*FINAL SHUT-IN*

TOOL CLOSED (from) ..... **2:30**  
 TOOL CLOSED (to) ..... **3:00**  
 DURATION (min.) ..... **30**

### PRESSURE READINGS

INITIAL HYDROSTATIC ..... **1505**  
 INITIAL FLOW ..... **33**  
 FINAL INITIAL FLOW ..... **46**  
 INITIAL SHUT-IN ..... **660**  
 INITIAL FINAL FLOW ..... **45**  
 FINAL FLOW ..... **54**  
 FINAL SHUT-IN ..... **632**  
 FINAL HYDROSTATIC ..... **1438**

MAXIMUM TEMPERATURE ..... **89**

TOP RECORDER DEPTH ..... **3041**  
 RECORDER NUMBER ..... **91716**  
 BOTTOM RECORDER DEPTH ..... **3045**  
 RECORDER NUMBER ..... **13208**

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### INITIAL BLOW

**WEAK BLOW FOR 22 MINUTES AND A WEAK INTERMITTANT FOR 6 MINUTES AND DIED**

### FINAL BLOW

**NO BLOW FLUSHED TOOL-GOOD SURGE-WEAK INTERMITTANT BLOW FOR 12 MINUTES AND DIED**

### EXTRA EQUIPMENT

JARS .....	<b>NO</b>	EXTRA PACKER (3RD) .....	<b>NO</b>
SAFETY JOINT .....	<b>NO</b>	EXTRA PACKER (4TH) .....	<b>NO</b>
ELECTRONIC RECORDER .....	<b>YES</b>	STRADDLE .....	<b>NO</b>
CIRCULATING SUB .....	<b>NO</b>	HOOK WALL .....	<b>NO</b>
		SAMPLER .....	<b>NO</b>

**SUPERIOR TESTERS ENTERPRISES INC.**  
**DRILL STEM TEST REPORT**  
 GREAT BEND, KANSAS 67530 (316)792-6902

**WELL INFORMATION**

DRILLING CONTRACTOR ..... **VONVELDT DRILLING RIG #1**  
 DRILL PIPE LENGTH ..... **3007** DRILL COLLAR LENGTH .....  
 DRILL PIPE I.D. .... **3.8** DRILL COLLAR I.D. .... **2.25**  
 TOOL JOINT SIZE ..... **4 1/2 X.H.** TOOL JOINT SIZE ..... **4 1/2 X.H.**  
 WEIGHT PIPE LENGTH ..... MUD WEIGHT #/GAL ..... **8.8**  
 WEIGHT PIPE I.D. .... **2.25** VISCOSITY ..... **42**  
 TOOL JOINT SIZE ..... **4 1/2 X.H.** WATER LOSS ..... **9.2**  
 CHLORIDES-PITS ..... **2400**  
 CHLORIDES-DST .....

	FEET OF RECOVERY	RECOVERY DESCRIPTION	%	%	%	%
			GAS	OIL	MUD	WATER
1)	50	DRILLING MUD NO SHOWS				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

**COMMENTS**

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Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 11-19-2003 Location SW-NE-NE 7-13-BW Elevation 1803 <sup>ft</sup> 18076.6 County Russell  
 Company Rains & Williamson Oil Company Inc. Number of Copies 5  
 Parts Mailed to 220 West Douglas Wichita, Kansas 67202  
 Drilling Contractor VonFeldt Drilling Rig #1  
 Length Drill Pipe 3032 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" NPT  
 Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE  
 Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE  
 Top Packer Depth 3046 Bottom Packer Depth 3051 Number of Packers 2 Packer Size 6 3/4  
 TESTED FROM 3051 TO 3081 ANCHOR LENGTH 30 TOTAL DEPTH 3081 Hole Size 7 7/8"  
 CASE & WELL NO. HOLLAND #1-7 FORMATION TESTED Kansas City TEST NO. 2  
 Mud Weight 9.9 Viscosity 57 Water Loss 11.2 Chlorides - Pits 4000 D.S.T. \_\_\_\_\_  
 Maximum Temp. 88 °F Initial Hydrostatic Pressure (A) 1501 P.S.I. Final Hydrostatic Pressure (H) 1321 P.S.I.

Tool Open I.F.P. from 11:45 a.m. to 12:15 a.m. 30 min  
 Tool Closed I.C.I.P. from 12:15 a.m. to 12:45 a.m. 30 min  
 Tool Open F.F.P. from 12:45 a.m. to 1:15 a.m. 30 min  
 Tool Closed F.C.I.P. from 1:15 a.m. to 1:45 a.m. 30 min  
 Initial Blow WEAK blow for 17 minutes & DIED  
 Final Blow WEAK blow 7 min & DIED flushed tool weak blow 18 min & DIED  
 Total Feet Recovered 50

from [B]	<u>35</u>	P.S.I. to [C]	<u>8048</u>	P.S.I.
[D]			<u>759</u>	P.S.I.
from [E]	<u>45</u>	P.S.I. to [F]	<u>58</u>	P.S.I.
[G]			<u>702</u>	P.S.I.

Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_  
50 Feet of SLIGHTLY O.7 cut mud 0% Gas 3 % Oil 87 % Mud 0 % Water  
 \_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water  
 \_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water  
 \_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water  
 \_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water  
 \_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water  
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 \_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water  
 \_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Remarks \_\_\_\_\_

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE  
 Top Recorder No. 91716 Clock No. ELECTRICAL Depth NONE Cir. Sub NONE Sampler NONE  
 Bottom Recorder No. 13208 Clock No. 13208 Depth NONE Insurance NONE

Price of Job \_\_\_\_\_  
 Tool Operator Gene Budig  
 Approved By \_\_\_\_\_  
 No. 12485

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**SUPERIOR TESTERS ENTERPRISES INC.**

Great Bend, Kansas

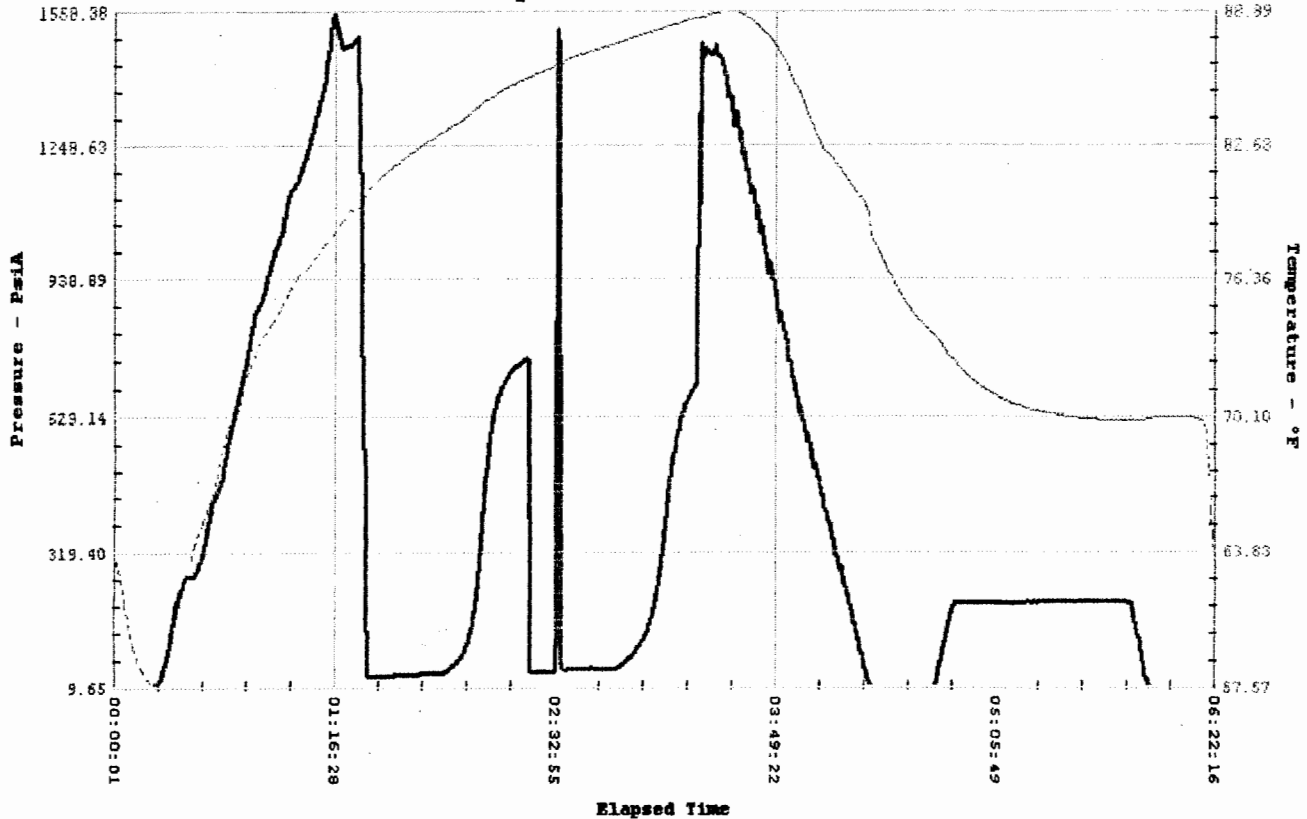
**CHART DATA**

(316) 792-6902

State ..... KANSAS  
 County ..... RUSSELL  
 Field .....

Test Date ..... November 19, 2003  
 Sec Town Range ..... 7-13S-13W  
 Report Number ..... 12485

*Temperature / Pressure Data*



**Field Reading**

(1)	Initial Hydrostatic Pressure	1501
(2)	Initial Flow Pressure	35
(3)	Final Initial Flow Pressure	43
(4)	Initial Shut-In Pressure	759
(5)	Initial Final Flow Pressure	45
(6)	Final Flow Pressure	58
(7)	Final Shut-In Pressure	702
(8)	Final Hydrostatic Pressure	1321

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 DEC 19 2003  
 KCC WICHITA

ELECTRONIC RECORDER DEPTH 3074 FT, RECORDER NUMBER 91716

Company: RAINS & WILLIAMSON OIL COMPANY INC. Lease & Well No. HOLLAND #1-7 Test #: 3 Date: 11-19-2003  
 SEC. 7 TWP. 13S RGE. 13W

# SUPERIOR TESTERS ENTERPRISES INC.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-8902

### GENERAL INFORMATION

COMPANY NAME .....	<b>RAINS &amp; WILLIAMSON OIL COMPANY INC.</b>	LEASE AND WELL NUMBER .....	<b>HOLLAND #1-7</b>
TEST DATE .....	<b>11/19/2003</b>	FORMATION TESTED .....	<b>KANSAS CITY</b>
SECTION-TOWN-RANGE .....	<b>7-13S-13W</b>	DRILL STEM TEST NUMBER .....	<b>3</b>
STATE .....	<b>KANSAS</b>	REPORT NUMBER .....	<b>12485</b>
COUNTY .....	<b>RUSSELL</b>	ELEVATION KELLY BUSHINGS .....	<b>1813</b>
ELEVATION GROUND LEVEL .....	<b>1807</b>	TESTING ENGINEER .....	<b>GENE BUDIG</b>
COMPANY REPRESENTATIVE .....	<b>JIM MUSGROVE</b>		

### TOOL SETTING INFORMATION

TEST INTERVAL (From) .....	<b>3061</b>	TOP PACKER DEPTH .....	<b>3046</b>
TEST INTERVAL (to) .....	<b>3081</b>	BOTTOM PACKER DEPTH .....	<b>3061</b>
ANCHOR LENGTH .....	<b>30</b>	NUMBER OF PACKERS .....	<b>2</b>
TOTAL DEPTH (ft) .....	<b>3081</b>	PACKER SIZE .....	<b>6 3/4</b>
		HOLE SIZE .....	<b>7 7/8</b>

### FLOW TIMES

*INITIAL OPEN*

TOOL OPEN (from) .....
 **11:45** |

TOOL OPEN (to) .....
 **12:15** |

DURATION (min.) .....
 **30** |

*INITIAL SHUT-IN*

TOOL CLOSED (from) .....
 **12:15** |

TOOL CLOSED (to) .....
 **12:45** |

DURATION (min.) .....
 **30** |

*FINAL OPEN*

TOOL OPEN (from) .....
 **12:45** |

TOOL OPEN (to) .....
 **1:15** |

DURATION (min.) .....
 **30** |

*FINAL SHUT-IN*

TOOL CLOSED (from) .....
 **1:15** |

TOOL CLOSED (to) .....
 **1:45** |

DURATION (min.) .....
 **30** |

### PRESSURE READINGS

INITIAL HYDROSTATIC .....
 **1501** |

INITIAL FLOW .....
 **35** |

FINAL INITIAL FLOW .....
 **43** |

INITIAL SHUT-IN .....
 **759** |

INITIAL FINAL FLOW .....
 **45** |

FINAL FLOW .....
 **58** |

FINAL SHUT-IN .....
 **702** |

FINAL HYDROSTATIC .....
 **1321** |

MAXIMUM TEMPERATURE .....
 **88** |

TOP RECORDER DEPTH .....
 **3074** |

RECORDER NUMBER .....
 **91716** |

BOTTOM RECORDER DEPTH .....
 **3078** |

RECORDER NUMBER .....
 **13208** |

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### INITIAL BLOW

**WEAK BLOW FOR 17 MINUTES AND DIED**

### FINAL BLOW

**WEAK BLOW FOR 7 MINUTES AND DIED FLUSHED TOOL GOOD SURGE WEAK BLOW FOR 18 MINUTES AND DIED**

### EXTRA EQUIPMENT

JARS .....	<b>NO</b>	EXTRA PACKER (3RD) .....	<b>NO</b>
SAFETY JOINT .....	<b>NO</b>	EXTRA PACKER (4TH) .....	<b>NO</b>
ELECTRONIC RECORDER .....	<b>YES</b>	STRADDLE .....	<b>NO</b>
CIRCULATING SUB .....	<b>NO</b>	HOOK WALL .....	<b>NO</b>
		SAMPLER .....	<b>NO</b>

# SUPERIOR TESTERS ENTERPRISES INC.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

### WELL INFORMATION

DRILLING CONTRACTOR ..... **VONFELDT DRILLING RIG #1**

DRILL PIPE LENGTH ..... **3032**

DRILL PIPE I.D. .... **3.8**

TOOL JOINT SIZE ..... **4 1/2 X.H.**

DRILL COLLAR LENGTH .....

DRILL COLLAR I.D. .... **2.25**

TOOL JOINT SIZE ..... **4 1/2 X.H.**

WEIGHT PIPE LENGTH .....

WEIGHT PIPE I.D. .... **2.25**

TOOL JOINT SIZE ..... **4 1/2 X.H.**

MUD WEIGHT #/GAL ..... **9**

VISCOSITY ..... **57**

WATER LOSS ..... **11.2**

CHLORIDES-PITS ..... **4000**

CHLORIDES-DST .....

FEET OF RECOVERY	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 50	SLIGHTLY OIL CUT MUD	0	3	97	0
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					

TOTAL RECOVERY

### COMMENTS

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DEC 19 2003

# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

KCC WICHITA

Date 11-19-2003 Location SW 1/4 NE 7-13-13 W Elevation 1813 R.B. 18076.0 County Russell

Company Rains & Williamson Oil Company Inc. Number of Copies 5

Charts Mailed to 220 West Douglas Suite 200 Wichita, Kansas 67202

Drilling Contractor Vonfeldt Drilling Rig #1

Length Drill Pipe 3133 I.D. Drill Pipe 4 1/2" K.H. Tool Joint Size 3.80

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3157 Bottom Packer Depth 3152 Number of Packers 2644 Packer Size 6 3/4"

TESTED FROM 3152 TO 3200 ANCHOR LENGTH 48 TOTAL DEPTH 3200 Hole Size 7 7/8"

LEASE & WELL NO. Holland #1-7 FORMATION TESTED KANSAS CITY TEST NO. 4

Mud Weight 9.01 Viscosity 44 Water Loss 9.4 Chlorides - Pits 7000 D.S.T.

Maximum Temp. 91 °F Initial Hydrostatic Pressure (A) 1560 P.S.I. Final Hydrostatic Pressure (H) 1511 P.S.I.

Tool Open I.F.P. from 3:45 pm to 3:45 pm 30 min

Tool Closed I.C.I.P. from 4:15 m to 4:5 p m 30 min

Tool Open F.F.P. from 4:45 m to 5:15 p m 30 min

Tool Closed F.C.I.P. from 5:15 p m to 5:45 p m 30 min

Initial Blow WEEK blow for 8 minutes & DIED

Final Blow No blow flushed tool no help

Total Feet Recovered 15 Gravity of Oil \_\_\_\_\_ Corrected

<u>15</u> Feet of <u>Drilling mud</u>	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water

from [B] <u>43</u> P.S.I. to [C] <u>49</u> P.S.I.
[D] <u>926</u> P.S.I.
from [E] <u>45</u> P.S.I. to [F] <u>46</u> P.S.I.
[G] <u>902</u> P.S.I.

Remarks \_\_\_\_\_

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 91716 Clock No. Electronic Depth 3195 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 3197 Insurance NONE

Price of Job \_\_\_\_\_

Tool Operator Gene Ludwig

Approved By \_\_\_\_\_

**NO 12486**

Superior Testers Enterprises, Inc. shall not be liable for damage 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 statements or opinion concerning the results 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.

**SUPERIOR TESTERS ENTERPRISES INC.**

**Great Bend, Kansas**

**CHART DATA**

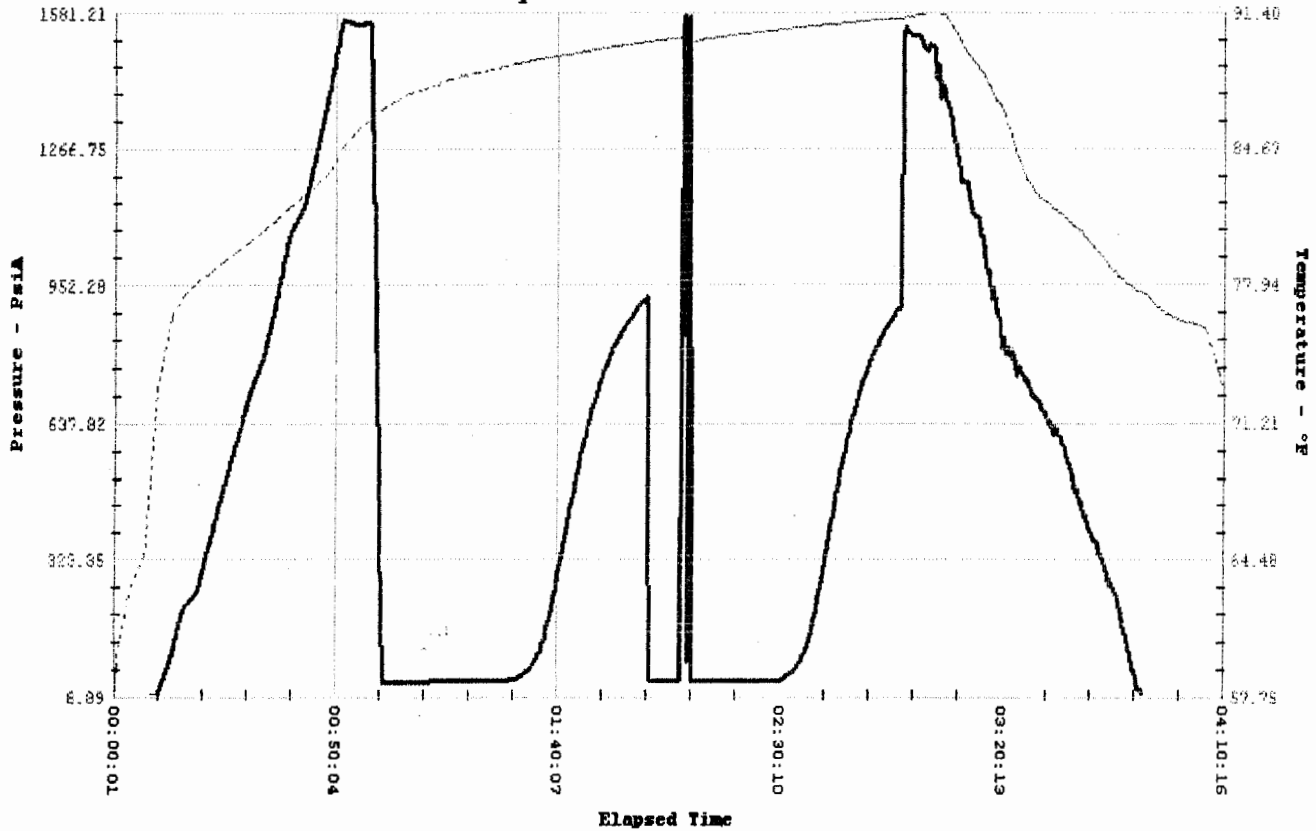
**(316) 792-6902**

**State** ..... KANSAS  
**County** ..... RUSSELL  
**Field** .....

**Test Date** ..... November 19, 2003  
**Sec Town Range** ..... 7-13S-13W  
**Report Number** ..... 12486

Company: **RAINS & WILLIAMSON OIL COMPANY INC.** Lease & Well No. **HOLLAND #1-7** Test #: **4** Date: **11-19-2003**  
SEC. 7 TWP. 13S RGE. 13W

**Temperature / Pressure Data**



**Field Reading**

(1)	Initial Hydrostatic Pressure	1560
(2)	Initial Flow Pressure	42
(3)	Final Initial Flow Pressure	49
(4)	Initial Shut-In Pressure	926
(5)	Initial Final Flow Pressure	4
(6)	Final Flow Pressure	546
(7)	Final Shut-In Pressure	902
(8)	Final Hydrostatic Pressure	1511

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**ELECTRONIC RECORDER DEPTH 3193 FT, RECORDER NUMBER 80507**

# SUPERIOR TESTERS ENTERPRISES INC.

## DRILL STEM TEST REPORT

- GREAT BEND, KANSAS 67530 (316)792-6902

### GENERAL INFORMATION

COMPANY NAME .....	<b>RAINS &amp; WILLIAMSON OIL COMPANY INC.</b>	LEASE AND WELL NUMBER .....	<b>HOLLAND #1-7</b>
TEST DATE .....	<b>11/19/2003</b>	FORMATION TESTED .....	<b>KANSAS CITY</b>
SECTION-TOWN-RANGE .....	<b>7-13S-13W</b>	DRILL STEM TEST NUMBER .....	<b>4</b>
STATE .....	<b>KANSAS</b>	REPORT NUMBER .....	<b>12486</b>
COUNTY .....	<b>RUSSELL</b>	ELEVATION KELLY BUSHIN .....	<b>1813</b>
ELEVATION GROUND LEVEL .....	<b>1807</b>	TESTING ENGINEER .....	<b>GENE BUDIG</b>
COMPANY REPRESENTATIVE .....	<b>JIM MUSGROVE</b>		

### TOOL SETTING INFORMATION

TEST INTERVAL (From) .....	<b>3162</b>	TOP PACKER DEPTH .....	<b>3147</b>
TEST INTERVAL (to) .....	<b>3200</b>	BOTTOM PACKER DEPTH .....	<b>3162</b>
ANCHOR LENGTH .....	<b>48</b>	NUMBER OF PACKERS .....	<b>2</b>
TOTAL DEPTH (ft) .....	<b>3200</b>	PACKER SIZE .....	<b>6 3/4</b>
		HOLE SIZE .....	<b>7 7/8</b>

### FLOW TIMES

*INITIAL OPEN*

TOOL OPEN (from) .....

TOOL OPEN (to) .....

DURATION (min.) .....

*INITIAL SHUT-IN*

TOOL CLOSED (from) .....

TOOL CLOSED (to) .....

DURATION (min.) .....

*FINAL OPEN*

TOOL OPEN (from) .....

TOOL OPEN (to) .....

DURATION (min.) .....

*FINAL SHUT-IN*

TOOL CLOSED (from) .....

TOOL CLOSED (to) .....

DURATION (min.) .....

### PRESSURE READINGS

INITIAL HYDROSTATIC .....

INITIAL FLOW .....

FINAL INITIAL FLOW .....

INITIAL SHUT-IN .....

INITIAL FINAL FLOW .....

FINAL FLOW .....

FINAL SHUT-IN .....

FINAL HYDROSTATIC .....

MAXIMUM TEMPERATURE .....

TOP RECORDER DEPTH .....

RECORDER NUMBER .....

BOTTOM RECORDER DEP' .....

RECORDER NUMBER .....

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### INITIAL BLOW

**WEAK BLOW FOR 8 MINUTES AND DIED**

### FINAL BLOW

**NO BLOW**

### EXTRA EQUIPMENT

JARS .....	<b>NO</b>	EXTRA PACKER (3RD) .....	<b>NO</b>
SAFETY JOINT .....	<b>NO</b>	EXTRA PACKER (4TH) .....	<b>NO</b>
ELECTRONIC RECORDER .....	<b>YES</b>	STRADDLE .....	<b>NO</b>
CIRCULATING SUB .....	<b>NO</b>	HOOK WALL .....	<b>NO</b>
		SAMPLER .....	<b>NO</b>

# SUPERIOR TESTERS ENTERPRISES INC.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

### WELL INFORMATION

DRILLING CONTRACTOR ..... **VONFELDT DRILLING RIG #1**

DRILL PIPE LENGTH ..... **3133**

DRILL PIPE I.D. .... **3.8**

TOOL JOINT SIZE ..... **4 1/2 X.H.**

DRILL COLLAR LENGTH .....

DRILL COLLAR I.D. .... **2.25**

TOOL JOINT SIZE ..... **4 1/2 X.H.**

MUD WEIGHT #/GAL ..... **9**

VISCOSITY ..... **44**

WATER LOSS ..... **9.6**

RESISTIVITY-PITS @ DEGREES

RESISTIVITY-DST @ DEGREES

CHLORIDES-PITS .....

CHLORIDES-DST ..... **7000**

FEET OF RECOVERY	RECOVERY DECIPTION	% GAS	% OIL	% MUD	% WATER
1) 15	DRILLING MUD				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
TOTAL RECOVERY					

### COMMENTS

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DEC 19 2003  
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