

F.G. Moll Co.  
Booth 2-18

18-20s-13w  
15-009-25036

### Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530  
(800) 792-6902

Company F.G. Hull Company L.L.C.  
 Address 9431 E. Central Suite 100  
 Lease & # Booth # 2-18 Sec. 18 Twp 20s Rng 13w  
 Date 03-21-2007 County Barton Elevation 1885 G.L. 1893 K.B.  
 Drilling Contractor Duke DRLG Rig #8  
 Drill Pipe Length 1688 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2  
 Drill Collar Length None I.D. of Drill Collars None Tool Joint Size None  
 Mud Weight 8.8 Viscosity 40 Filtrate 7.6 Chlorides-Pits 18,000 DST #1  
 Top Packer Depth 1710 Bottom Packer Depth 1715 Number of Packers 2  
 Tested From 1715 to 1775 Total Depth 1775 Anchor Length 60'  
 Test # 1 Formation Tested Herrington-Krider Hole Size 7 7/8  
 Initial Blow Weak Building Blow to 9 inches in 15 min

Blow back on the 1st Shut-in Yes/weak  
 Final Blow Bottom of Bucket in less than a minute  
 Blow back on the 2nd Shut-in Yes/weak  
 Initial Hydrostatic 841 P.S.I. Final Hydrostatic 802 P.S.I. Maximum Temp. 82 F

Initial Opening <u>42</u> P.S.I. to <u>54</u> P.S.I. from <u>10:17</u> m to <u>10:32</u> m <u>15</u> minutes
Initial Shut-in <u>412</u> P.S.I. from <u>10:32</u> m to <u>10:02</u> m <u>30</u> minutes
Final Opening <u>81</u> P.S.I. to <u>90</u> P.S.I. from <u>11:02</u> m to <u>11:32</u> m <u>30</u> minutes
Final Shut-in <u>451</u> P.S.I. from <u>11:32</u> m to <u>12:32</u> m <u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
15'	Mud			100	
120'	muddy water			85	15
	No Gas Detected				

Total Feet Recovered 135 Recovery Chlorides 22,000 Rw. \_\_\_\_\_ ohms @ \_\_\_\_\_ Degrees  
 Gravity of oil \_\_\_\_\_ Corrected Gas to Surface in \_\_\_\_\_ minutes into the \_\_\_\_\_  
 Max. Gas Gauged \_\_\_\_\_ MCF/day See Gas Flow Report Was a gas sample taken \_\_\_\_\_  
 Comments \_\_\_\_\_

Extra Equipment-Jars Yes Safety Joint Yes Circulating Sub \_\_\_\_\_ Straddle \_\_\_\_\_  
 Electronic Recorder No. 91986 Depth 1771 Extra Packer (3rd) \_\_\_\_\_ Hook Wall \_\_\_\_\_  
 Bottom Recorder No. 4337 Depth 1772 Extra Packer (4th) \_\_\_\_\_ Sampler \_\_\_\_\_  
 Tool Operator Brent Babcock Approved By \_\_\_\_\_

Ticket No. 15114

# SUPERIOR TESTERS ENTERPRISES L.L.C.

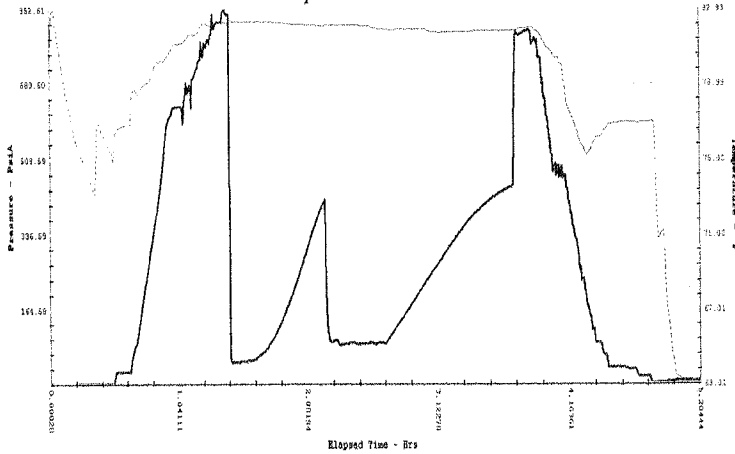
1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F. G. HOLL COMPANY L.L.C. Lease & Well No. BOOTH #2-18 Test #: DST#1 Date: 3-21-2007 SEC. 18 TWP. 20S  
 RGE. 13W

*Temperature / Pressure Data*



1	Initial Hydrostatic Pressure	841
2	Initial Flow Pressure	42
3	Final Initial Flow Pressure	54
4	Initial Shut-In Pressure	412
5	Initial Final Flow Pressure	81
6	Final Flow Pressure	90
7	Final Shut-In Pressure	451
8	Final Hydrostatic Pressure	802
Maximum Temperature		82

**GENERAL INFORMATION**

COMPANY NAME ..... FG HOLL COMPANY LLC	
TEST DATE ..... 3/21/07	LEASE AND WELL NUMBER ..... BOOTH#2-18
SECTION-TOWN-RANGE ..... 18-20S-13W	FORMATION TESTED ..... HERRINGTON-KRIDER
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... DST#1
COUNTY ..... BARTON	REPORT NUMBER ..... 15114
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1893
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... BRENT BABCOCK

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) ..... 1715	TOP PACKER DEPTH ..... 1710
TEST INTERVAL (to) ..... 1775	BOTTOM PACKER DEPTH ..... 1715
ANCHOR LENGTH ..... 60	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 1775	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

**FLOW TIMES**

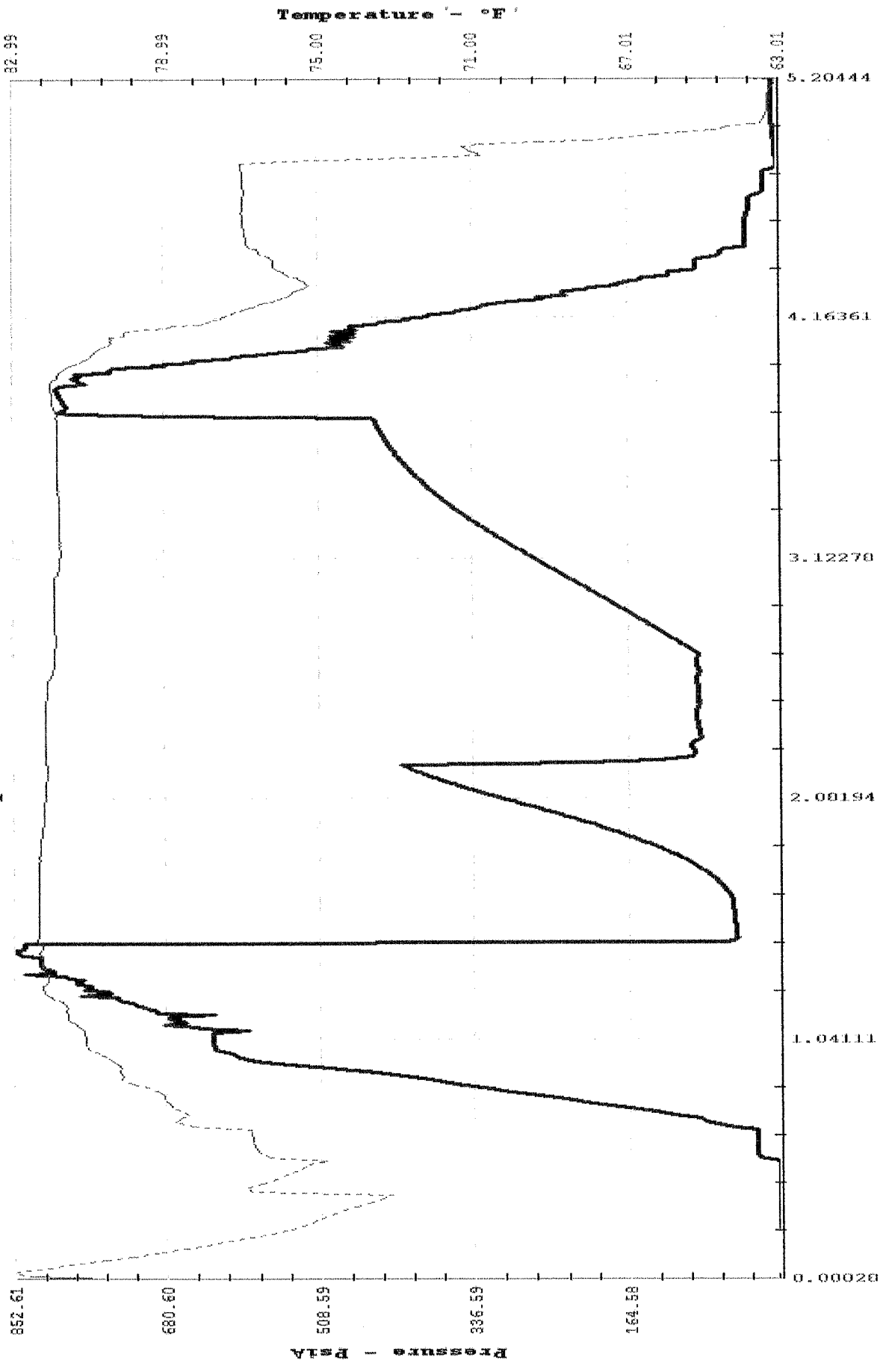
<i>INITIAL OPEN</i>	<i>FINAL OPEN</i>
TOOL OPEN (from) ..... 10:17	TOOL OPEN (from) ..... 11:02
TOOL OPEN (to) ..... 10:32	TOOL OPEN (to) ..... 11:32
DURATION (min.) ..... 15	DURATION (min.) ..... 30
<i>INITIAL SHUT-IN</i>	<i>FINAL SHUT-IN</i>
TOOL CLOSED (from) ..... 10:32	TOOL CLOSED (from) ..... 11:32
TOOL CLOSED (to) ..... 11:02	TOOL CLOSED (to) ..... 12:32
DURATION (min.) ..... 30	DURATION (min.) ..... 60

**INITIAL FLOW**      WEAK BUILDING BLOW BUILDING TO 9 INCHES IN 15 MIN

**FINAL FLOW**      BOTTOM OF BUCKET IN LESS THAN A MINUTE



# Temperature / Pressure Data



# Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

Company F.G. Hall company L.L.C.  
 Address 9431 E central Suite #100  
 Lease & # Booth 2-18 Sec. 18 Twp 20 Rng 13  
 Date 3-23-2007 County Barton Elevation 1885 G.L. 1894 K.B.  
 Drilling Contractor Duke Rig #8  
 Drill Pipe Length 2574 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 XH  
 Drill Collar Length — I.D. of Drill Collars — Tool Joint Size —  
 Mud Weight 8.7 Viscosity 42 Filtrate 8.8 Chlorides-Pits 3500 DST —  
 Top Packer Depth 2593 Bottom Packer Depth 2598 Number of Packers 2  
 Tested From 2598 to 2606 Total Depth 2606 Anchor Length 68  
 Test # 2 Formation Tested Willard sands Hole Size 7 7/8  
 Initial Blow Surface Blow

Final Blow Very weak surface Blow died after 10 min Blow back on the 1st Shut-in NO

Initial Hydrostatic 1180 S.I. Final Hydrostatic 1148 P.S.I. Maximum Temp. 92 F Blow back on the 2nd Shut-in NO

Initial Opening	104	P.S.I. to 101	P.S.I.	from 10:00 pm	to 10:15	m	15	minutes
Initial Shut-in	415		P.S.I.	from 10:15	to 10:45	m	30	minutes
Final Opening	108	P.S.I. to 104	P.S.I.	from 10:45	to 11:00	m	15	minutes
Final Shut-in	311		P.S.I.	from 11:00	to 11:30	pm	30	minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
10	Mud			100	

Total Feet Recovered — Recovery Chlorides — Rw. — ohms @ — Degrees  
 Gravity of oil — Corrected Gas to Surface in — minutes into the —  
 Max. Gas Gauged — MCF/day See Gas Flow Report Was a gas sample taken —  
 Comments Slid to Bottom 15 feet

Extra Equipment-Jars Yes Safety Joint Yes Circulating Sub NO Straddle —  
 Electronic Recorder No. 51984 Depth 2602 Extra Packer (3rd) — Hook Wall —  
 Bottom Recorder No. 5403 Depth 2603 Extra Packer (4th) — Sampler —  
 Tool Operator DAVID NICHOLS Approved By —

Ticket No. 15115

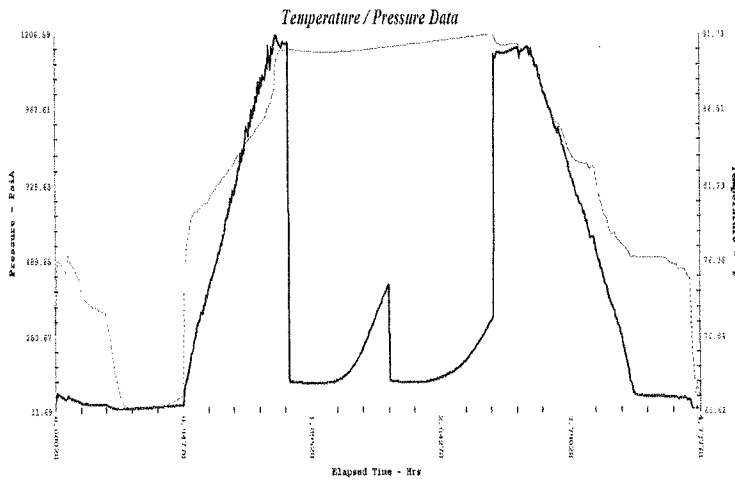
# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G. HOLL COMPANY L.L.C  
 Lease & Well No. BOOTH 2-28  
 Test #: 2  
 Date: 3-23-07  
 SEC. 18  
 TWP. 20  
 RGE. 13



<b>1</b>	Initial Hydrostatic Pressure	1180
<b>2</b>	Initial Flow Pressure	104
<b>3</b>	Final Initial Flow Pressure	101
<b>4</b>	Initial Shut-In Pressure	415
<b>5</b>	Initial Final Flow Pressure	108
<b>6</b>	Final Flow Pressure	104
<b>7</b>	Final Shut-In Pressure	311
<b>8</b>	Final Hydrostatic Pressure	1148

Maximum Temperature      92

### GENERAL INFORMATION

COMPANY NAME ..... F.G. HOLL COMPANY L.L.C	
TEST DATE ..... 3/23/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... WILLARD SANDS
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 2
COUNTY ..... BARTON	REPORT NUMBER ..... 15115
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVID NICHOLS

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 2598	TOP PACKER DEPTH ..... 2593
TEST INTERVAL (to) ..... 2666	BOTTOM PACKER DEPTH ..... 2598
ANCHOR LENGTH ..... 68	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 2666	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

<i>INITIAL OPEN</i>		<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... 10:00		TOOL OPEN (from) ..... 10:45	
TOOL OPEN (to) ..... 10:15		TOOL OPEN (to) ..... 11:00	
DURATION (min.) ..... 15		DURATION (min.) ..... 15	
<i>INITIAL SHUT-IN</i>		<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... 10:15		TOOL CLOSED (from) ..... 11:00	
TOOL CLOSED (to) ..... 10:45		TOOL CLOSED (to) ..... 11:30	
DURATION (min.) ..... 30		DURATION (min.) ..... 30	

INITIAL FLOW      SURFACE BLOW

FINAL FLOW      VERY WEAK SURFACE BLOW DIED AFTER 10 MIN

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME .....	F.G. HOLL COMPANY L.L.C	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/23/07	FORMATION TESTED .....	WILLARD SANDS
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	2
STATE .....	KANSAS	REPORT NUMBER .....	15115
COUNTY .....	BARTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVID NICHOLS
COMPANY REPRESENTATIVE .....	BILL REE		

### EXTRA EQUIPMENT

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	<b>16 MILES ROUND TRIP FROM</b>	<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	2662	BOTTOM RECORDER DEPTH .....	2663
RECORDER NUMBER .....	5463	RECORDER NUMBER .....	5463

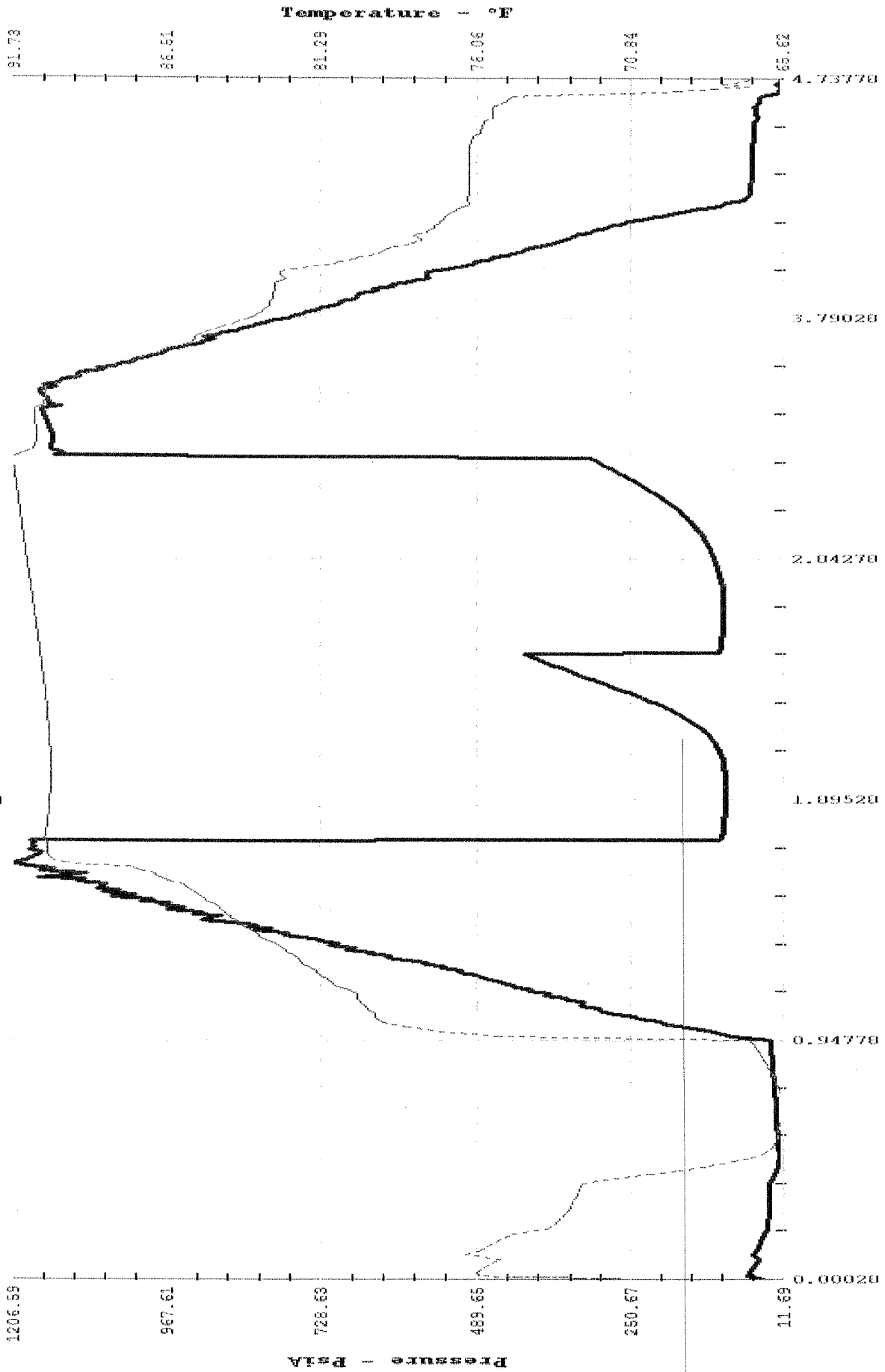
### WELL INFORMATION

DRILLING CONTRACTOR .....	DUKE #8		
DRILL PIPE LENGTH .....	2574		
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.

### COMMENTS



*Temperature / Pressure Data*





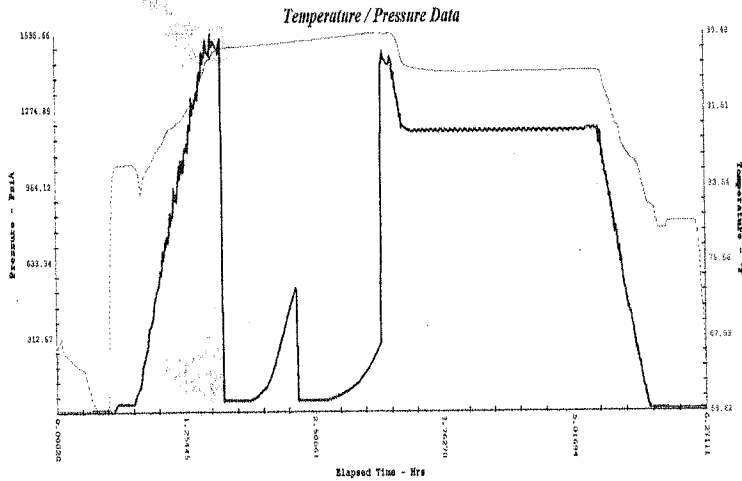
# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

1(800)792-6902

Company: F.G. HOLL COMPANY L.L.C  
 Lease & Well No. BOOTH 2-18  
 Test #: 3  
 Date: 3-25-07  
 SEC. 18  
 TWP. 20  
 RGE. 13



- |          |                              |      |
|----------|------------------------------|------|
| <b>1</b> | Initial Hydrostatic Pressure | 1569 |
| <b>2</b> | Initial Flow Pressure        | 38   |
| <b>3</b> | Final Initial Flow Pressure  | 40   |
| <b>4</b> | Initial Shut-In Pressure     | 507  |
| <b>5</b> | Initial Final Flow Pressure  | 39   |
| <b>6</b> | Final Flow Pressure          | 41   |
| <b>7</b> | Final Shut-In Pressure       | 285  |
| <b>8</b> | Final Hydrostatic Pressure   | 1515 |

Maximum Temperature      99

### GENERAL INFORMATION

COMPANY NAME ..... F.G. HOLL COMPANY L.L.	
TEST DATE ..... 3/25/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... TORONTO DOUGALS SA
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 3
COUNTY ..... BARTON	REPORT NUMBER ..... 15116
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVID NICHOLS

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 3130	TOP PACKER DEPTH ..... 3125
TEST INTERVAL (to) ..... 3190	BOTTOM PACKER DEPTH ..... 3130
ANCHOR LENGTH ..... 60	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3190	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

<i>INITIAL OPEN</i>	<i>FINAL OPEN</i>
TOOL OPEN (from) ..... 6:45	TOOL OPEN (from) ..... 7:30
TOOL OPEN (to) ..... 7:00	TOOL OPEN (to) ..... 7:45
DURATION (min.) ..... 15	DURATION (min.) ..... 15
<i>INITIAL SHUT-IN</i>	<i>FINAL SHUT-IN</i>
TOOL CLOSED (from) ..... 7:00	TOOL CLOSED (from) ..... 7:45
TOOL CLOSED (to) ..... 7:30	TOOL CLOSED (to) ..... 8:15
DURATION (min.) ..... 30	DURATION (min.) ..... 30

INITIAL FLOW	SURFACE BLOW
FINAL FLOW	VERY WEAK SURFACE BLOW

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

GREAT BEND ,KANSAS 67530 (800)792-6902

**GENERAL INFORMATION**

COMPANY NAME .....	<b>F.G. HOLL COMPANY L.L.</b>	LEASE AND WELL NUMBER .....	<b>BOOTH 2-18</b>
TEST DATE .....	<b>3/25/07</b>	FORMATION TESTED .....	<b>TORONTO DOUGALS SANDS</b>
SECTION-TOWN-RANGE .....	<b>18-20-13</b>	DRILL STEM TEST NUMBER .....	<b>3</b>
STATE .....	<b>KANSAS</b>	REPORT NUMBER .....	<b>15116</b>
COUNTY .....	<b>BARTON</b>	ELEVATION KELLY BUSHINGS .....	<b>1894</b>
ELEVATION GROUND LEVEL .....	<b>1885</b>	TESTING ENGINEER .....	<b>DAVID NICHOLS</b>
COMPANY REPRESENTATIVE .....	<b>BILL REE</b>		

**EXTRA EQUIPMENT**

JARS .....	<b>YES</b>	EXTRA PACKER (3RD) .....	<b>NO</b>
SAFETY JOINT .....	<b>YES</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>
	<b>16 MILES ROUND TRIP FROM</b>	SAMPLER .....	<b>NO</b>
	<b>GREAT BEND</b>		
TOP RECORDER DEPTH .....	<b>3186</b>	BOTTOM RECORDER DEPTH .....	<b>3187</b>
RECORDER NUMBER .....	<b>919186</b>	RECORDER NUMBER .....	<b>5463</b>

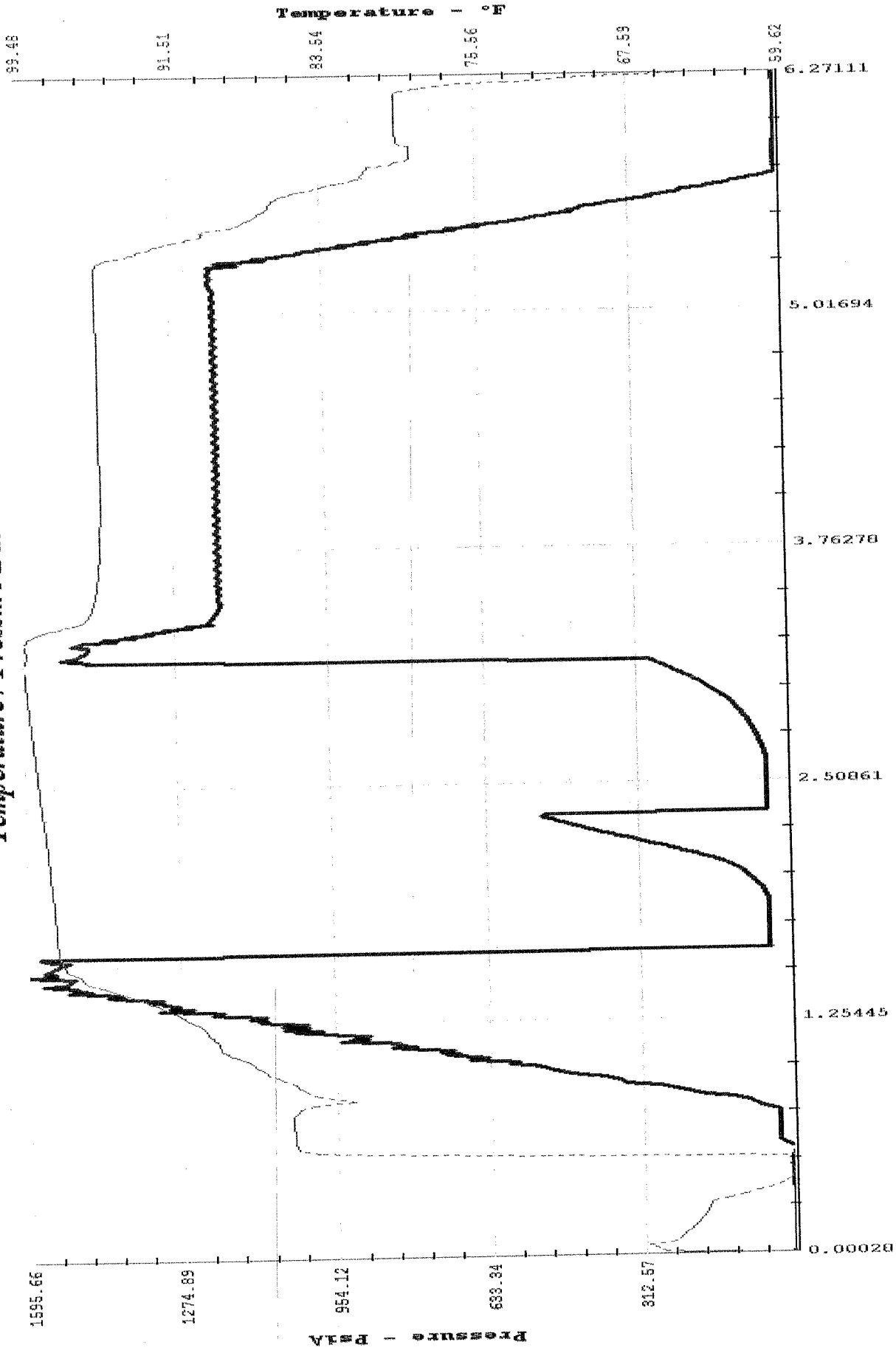
**WELL INFORMATION**

DRILLING CONTRACTOR .....	<b>DUKE #8</b>	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	<b>3104</b>	DRILL COLLAR I.D. ....	<b>2.25</b>
DRILL PIPE I.D. ....	<b>3.8</b>	TOOL JOINT SIZE .....	<b>4 1/2 X.H.</b>
TOOL JOINT SIZE .....	<b>4 1/2 X.H.</b>		
CHLORIDES-PITS .....		MUD WEIGHT #/GAL .....	<b>8.8</b>
CHLORIDES-DST .....		VISCOSITY .....	<b>40</b>
		WATER LOSS .....	<b>7.6</b>

**COMMENTS**



# Temperature / Pressure Data



# Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

Company FG. Hall company L.L.C  
 Address 9431 F central Suite #100 Wichita KS  
 Lease & # Booth 2-18 Sec. 18 Twp 20 Rng 13  
 Date 3-26-2007 County Barton Elevation 1885 G.L. 1894 K.B.  
 Drilling Contractor Duke #8  
 Drill Pipe Length 3213 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 XH  
 Drill Collar Length      I.D. of Drill Collars      Tool Joint Size       
 Mud Weight 7.1 Viscosity 62 Filtrate 88 Chlorides-Pits 6800 DST       
 Top Packer Depth 3233 Bottom Packer Depth 3240 Number of Packers 2  
 Tested From 3240 to 3282 Total Depth 3282 Anchor Length 42  
 Test # 4 Formation Tested Lansing A-B Hole Size 7 7/8  
 Initial Blow good Blow Built to Bottom Bucket in 2 min  
 Final Blow Strong Blow Bottom Bucket less 1 min Blow back on the 1st Shut-in Yes Bottom

Initial Hydrostatic 1633 P.S.I. Final Hydrostatic 1593 P.S.I. Maximum Temp. 106 F  
 Blow back on the 2nd Shut-in Yes Bottom

Initial Opening	P.S.I. to <u>150</u> P.S.I.	from <u>9:00</u> m to <u>9:15</u> pm	<u>15</u> minutes
Initial Shut-in	<u>832</u> P.S.I.	from <u>9:15</u> m to <u>10:15</u> m	<u>60</u> minutes
Final Opening	<u>150</u> P.S.I. to <u>174</u> P.S.I.	from <u>10:15</u> m to <u>11:15</u> m	<u>60</u> minutes
Final Shut-in	<u>1051</u> P.S.I.	from <u>11:15</u> m to <u>12:45</u> am	<u>90</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>30</u>	<u>oil</u>		<u>100</u>		
<u>60</u>	<u>Mud cut oil with a trace of gas</u>	<u>5</u>	<u>60</u>	<u>35</u>	
<u>60</u>	<u>oil and gas cut Mud</u>	<u>30</u>	<u>15</u>	<u>55</u>	
<u>60</u>	<u>oil and gas cut Mud</u>	<u>40</u>	<u>20</u>	<u>40</u>	

Total Feet Recovered 210 Recovery Chlorides      Rw.      ohms @      Degrees  
 Gravity of oil 37 Corrected Gas to Surface in 35 minutes into the 2nd opening  
 Max. Gas Gauged 8,890 MCF/day See Gas Flow Report Was a gas sample taken Yes  
 Comments     

Extra Equipment-Jars Yes Safety Joint Yes Circulating Sub      Straddle       
 Electronic Recorder No. 91994 Depth 3279 Extra Packer (3rd)      Hook Wall       
 Bottom Recorder No. 5463 Depth 3299 Extra Packer (4th)      Sampler       
 Tool Operator Paul Miller Approved By     

Ticket No. 15117

# SUPERIOR TESTERS ENTERPRISES L.L.C.

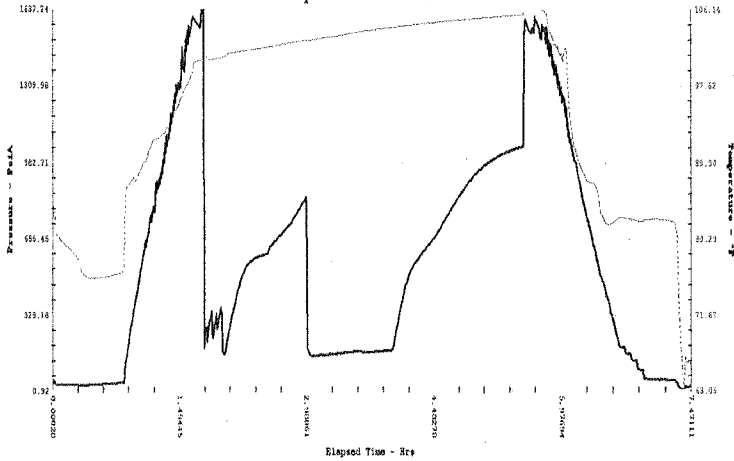
1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G. HOLL COMPANY L.L.C  
 Lease & Well No. BOOTH 2-18  
 Test #: 4  
 Date: 3-26-07  
 SEC. 18  
 TWP. 20  
 RGE. 13

Temperature / Pressure Data



- |          |                              |      |
|----------|------------------------------|------|
| <b>1</b> | Initial Hydrostatic Pressure | 1633 |
| <b>2</b> | Initial Flow Pressure        |      |
| <b>3</b> | Final Initial Flow Pressure  | 156  |
| <b>4</b> | Initial Shut-In Pressure     | 832  |
| <b>5</b> | Initial Final Flow Pressure  | 150  |
| <b>6</b> | Final Flow Pressure          | 174  |
| <b>7</b> | Final Shut-In Pressure       | 1051 |
| <b>8</b> | Final Hydrostatic Pressure   | 1593 |

Maximum Temperature      106

**GENERAL INFORMATION**

COMPANY NAME ..... F.G. HOLL COMPANY L.L.C	
TEST DATE ..... 3/26/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... LANSING A-B
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 4
COUNTY ..... BARTON	REPORT NUMBER ..... 15117
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVID NICHOLS

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) ..... 3240	TOP PACKER DEPTH ..... 3235
TEST INTERVAL (to) ..... 3282	BOTTOM PACKER DEPTH ..... 3240
ANCHOR LENGTH ..... 42	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3282	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

**FLOW TIMES**

<i>INITIAL OPEN</i>		<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... 9:00		TOOL OPEN (from) ..... 10:15	
TOOL OPEN (to) ..... 9:15		TOOL OPEN (to) ..... 11:15	
DURATION (min.) ..... 15		DURATION (min.) ..... 60	
 <i>INITIAL SHUT-IN</i>		 <i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... 9:15		TOOL CLOSED (from) ..... 11:15	
TOOL CLOSED (to) ..... 10:15		TOOL CLOSED (to) ..... 12:45	
DURATION (min.) ..... 60		DURATION (min.) ..... 90	

**INITIAL FLOW**      GOOD BLOW BOTTOM OF BUCKET IN 4 MIN

**FINAL FLOW**      GOOD BLOW BOTTOM BUCKET IN LESS 1 MIN

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

GREAT BEND ,KANSAS 67530 (800)792-6902

**GENERAL INFORMATION**

COMPANY NAME .....	F.G. HOLL COMPANY L.L.C	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/26/07	FORMATION TESTED .....	LANSING A-B
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	4
STATE .....	KANSAS	REPORT NUMBER .....	15117
COUNTY .....	BARTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVID NICHOLS
COMPANY REPRESENTATIVE .....	BILL REE		

**EXTRA EQUIPMENT**

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	<b>16 MILES ROUND TRIP FROM</b>	<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	3278	BOTTOM RECORDER DEPTH .....	3279
RECORDER NUMBER .....	91986	RECORDER NUMBER .....	5463

**WELL INFORMATION**

DRILLING CONTRACTOR .....	DUKE#8	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3215	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		

**COMMENTS**

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

GREAT BEND, KANSAS

**GAS FLOW RATE**

(800) 792-6902

#

<b>STATE</b> .....	KANSAS	<b>Test Date</b> .....	1/0/1900
<b>COUNTY</b> .....	BARTON	<b>Sec Town Range</b> .....	18-20-13
<b>FIELD</b> .....		<b>Report Number</b> .....	15117

**Initial Flow**

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (In)	Gas Rate (MCF/Day)

**Final Flow**

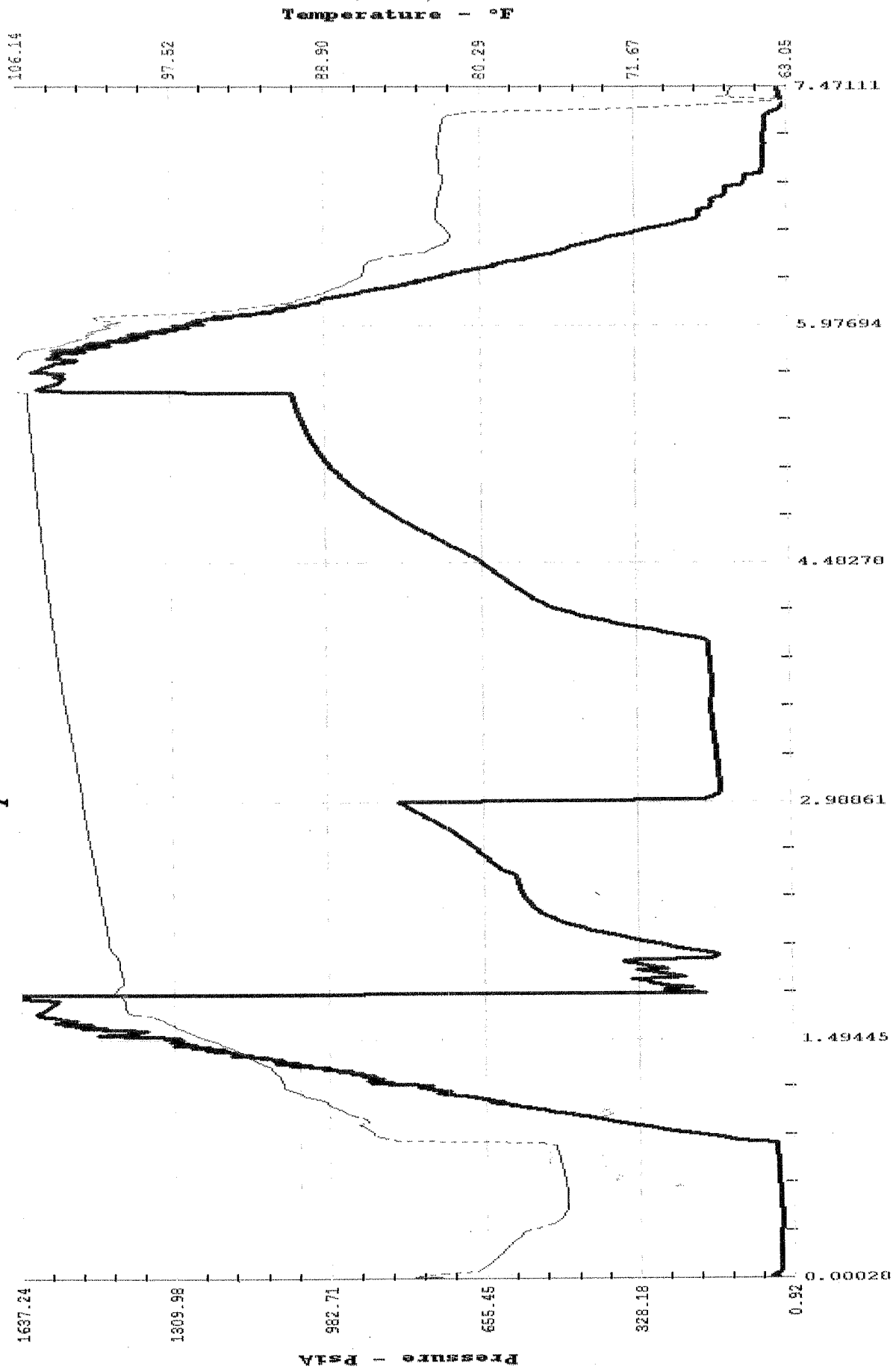
Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (In)	Gas Rate (MCF/Day)
GAS TO SURFACE	11:00	45	16			1/4	6.720
IN 35 MIN	11:10	55	28			1/4	8.890
TOOL OPENED AT 10:15 PM	11:15	60	28			1/4	8.890

**Was there a gas sample taken**

**YES**



*Temperature / Pressure Data*



# Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

Company F.G. Hall Company L.L.C.  
 Address 9431 E Central Suite #100 Wichita 175  
 Lease & # Booth 2-18 Sec. 18 Twp 20 Rng 13  
 Date 3-26-2007 County Barton Elevation 1885 G.L. 1895 K.B.  
 Drilling Contractor Duke Rig #8  
 Drill Pipe Length 3294 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 X H  
 Drill Collar Length \_\_\_\_\_ I.D. of Drill Collars \_\_\_\_\_ Tool Joint Size \_\_\_\_\_  
 Mud Weight \_\_\_\_\_ Viscosity \_\_\_\_\_ Filtrate \_\_\_\_\_ Chlorides-Pits \_\_\_\_\_ DST \_\_\_\_\_  
 Top Packer Depth 3284 Bottom Packer Depth 3289 Number of Packers 2  
 Tested From 3289 to 3321 Total Depth 3321 Anchor Length 32  
 Test # 5 Formation Tested Lansing F+D Hole Size 7 7/8  
 Initial Blow Surface Blow

Blow back on the 1st Shut-in NO

Final Blow Surface Blow

Blow back on the 2nd Shut-in NO

Initial Hydrostatic 1653 P.S.I. Final Hydrostatic 1429 P.S.I. Maximum Temp. 102 F

Initial Opening <u>92</u> P.S.I. to <u>94</u> P.S.I.	from <u>1:05</u> m to <u>1:20</u> m	<u>15</u> minutes
Initial Shut-in <u>113</u> P.S.I.	from <u>1:20</u> m to <u>1:50</u> m	<u>30</u> minutes
Final Opening <u>96</u> P.S.I. to <u>98</u> P.S.I.	from <u>1:50</u> m to <u>2:05</u> m	<u>15</u> minutes
Final Shut-in <u>109</u> P.S.I.	from <u>2:05</u> m to <u>2:35</u> m	<u>30</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
15	Mud with a slight show of oil			100	

Total Feet Recovered \_\_\_\_\_ Recovery Chlorides \_\_\_\_\_ Rw. \_\_\_\_\_ ohms @ \_\_\_\_\_ Degrees  
 Gravity of oil \_\_\_\_\_ Corrected Gas to Surface in \_\_\_\_\_ minutes into the \_\_\_\_\_  
 Max. Gas Gauged \_\_\_\_\_ MCF/day See Gas Flow Report Was a gas sample taken \_\_\_\_\_  
 Comments \_\_\_\_\_

Extra Equipment-Jars yes Safety Joint yes Circulating Sub \_\_\_\_\_ Straddle \_\_\_\_\_  
 Electronic Recorder No. 91980 Depth 3317 Extra Packer (3rd) \_\_\_\_\_ Hook Wall \_\_\_\_\_  
 Bottom Recorder No. \_\_\_\_\_ Depth 3318 Extra Packer (4th) \_\_\_\_\_ Sampler \_\_\_\_\_  
 Tool Operator Paul Wheeler Approved By \_\_\_\_\_

Ticket No. **15118**

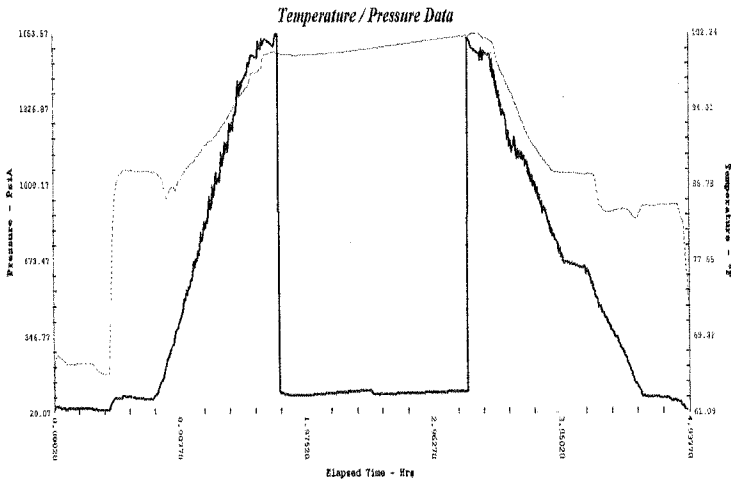
# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G. HOLL COMPANY L.L.C  
 RGE. 13  
 Lease & Well No. BOOTH 2-18  
 Test #: 5  
 Date: 3-26-07  
 SEC. 18  
 TWP. 20



<b>1</b>	Initial Hydrostatic Pressure	1653
<b>2</b>	Initial Flow Pressure	92
<b>3</b>	Final Initial Flow Pressure	94
<b>4</b>	Initial Shut-In Pressure	113
<b>5</b>	Initial Final Flow Pressure	96
<b>6</b>	Final Flow Pressure	98
<b>7</b>	Final Shut-In Pressure	109
<b>8</b>	Final Hydrostatic Pressure	1629
Maximum Temperature		102

### GENERAL INFORMATION

COMPANY NAME ..... F.G.HOLL COMPANY L.L.C	
TEST DATE ..... 3/26/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... LANSING D-F
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 5
COUNTY ..... BQRTON	REPORT NUMBER ..... 15118
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVID NICHOLS

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 3289	TOP PACKER DEPTH ..... 3284
TEST INTERVAL (to) ..... 3321	BOTTOM PACKER DEPTH ..... 3289
ANCHOR LENGTH ..... 32	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3321	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

<i>INITIAL OPEN</i>		<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... 1:05		TOOL OPEN (from) ..... 1:50	
TOOL OPEN (to) ..... 1:20		TOOL OPEN (to) ..... 2:05	
DURATION (min.) ..... 15		DURATION (min.) ..... 15	
<i>INITIAL SHUT-IN</i>		<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... 1:20		TOOL CLOSED (from) ..... 2:05	
TOOL CLOSED (to) ..... 1:50		TOOL CLOSED (to) ..... 2:35	
DURATION (min.) ..... 30		DURATION (min.) ..... 30	

INITIAL FLOW            SURFACE BLOW

FINAL FLOW            SURFACE BLOW

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME .....	F.G.HOLL COMPANY L.L.C	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/26/07	FORMATION TESTED .....	LANSING D-F
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	5
STATE .....	KANSAS	REPORT NUMBER .....	15118
COUNTY .....	BQRTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVID NICHOLS
COMPANY REPRESENTATIVE .....	BILL REE		

### EXTRA EQUIPMENT

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	16 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH .....	3317	BOTTOM RECORDER DEPTH .....	3318
RECORDER NUMBER .....	91986	RECORDER NUMBER .....	5463

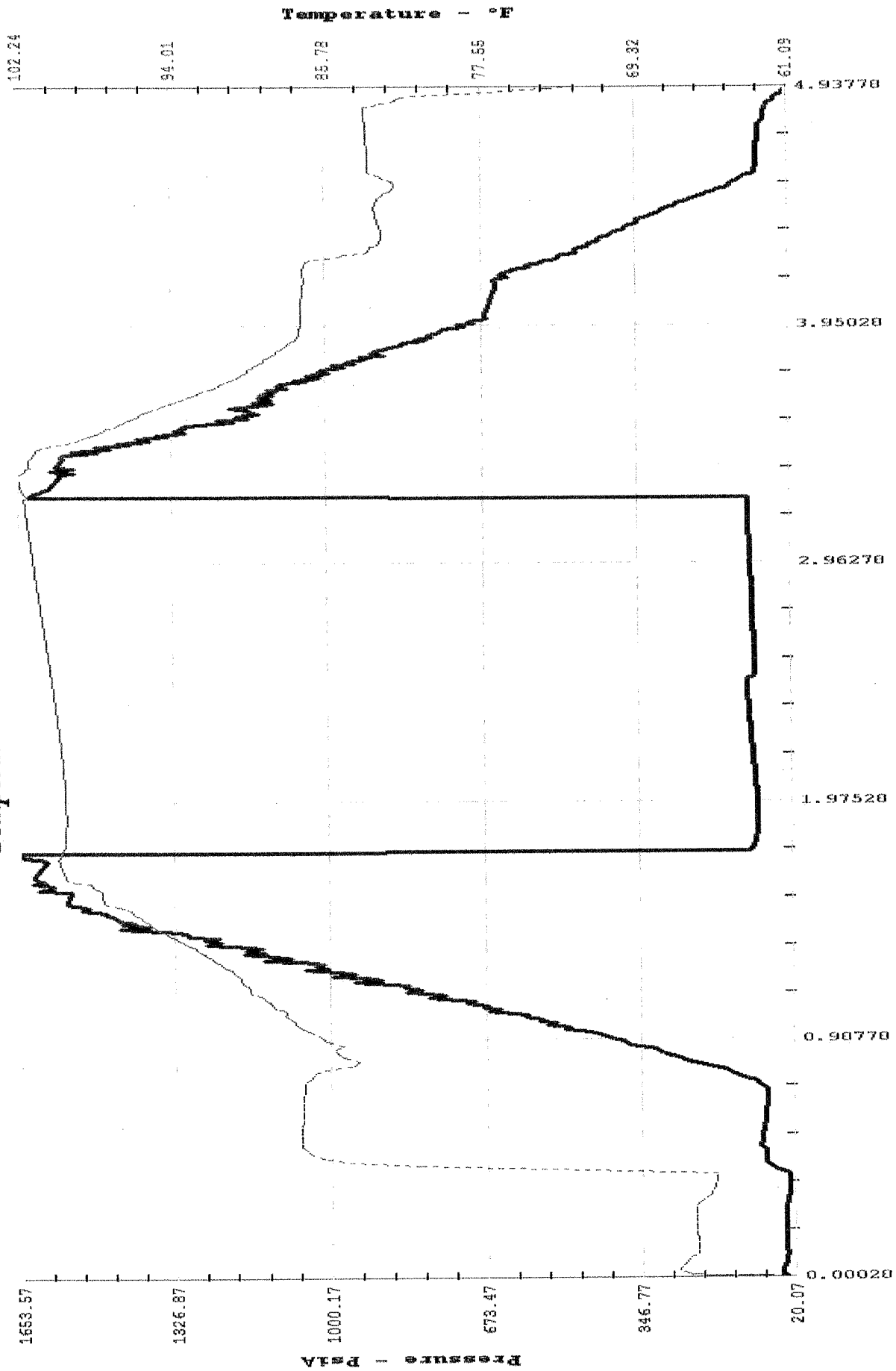
### WELL INFORMATION

DRILLING CONTRACTOR .....	DUKE #8	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3264	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		
CHLORIDES-PITS .....		MUD WEIGHT #/GAL .....	
CHLORIDES-DST .....		VISCOSITY .....	
		WATER LOSS .....	

### COMMENTS



*Temperature / Pressure Data*





# SUPERIOR TESTERS ENTERPRISES L.L.C.

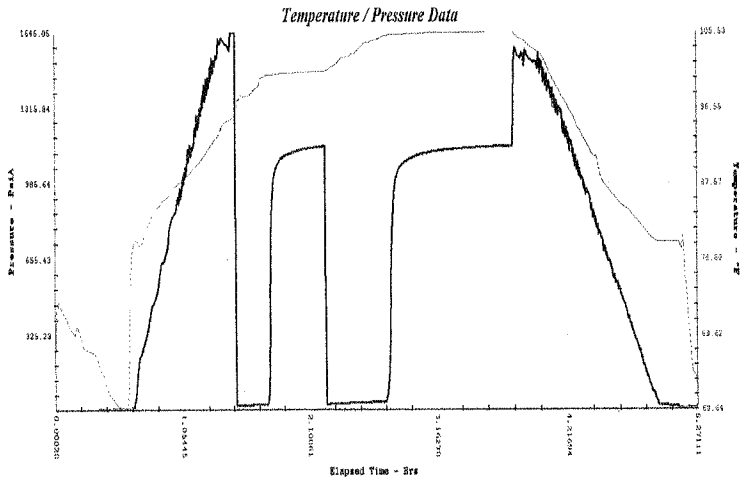
1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

RGE. 13

Company: FG HOLL COMPANY LLC Lease & Well No. BOOTH 2-18 Test #: 6 Date: 3-27-07 SEC. 18 1WP. 20



<b>1</b>	Initial Hydrostatic Pressure	1646
<b>2</b>	Initial Flow Pressure	14
<b>3</b>	Final Initial Flow Pressure	18
<b>4</b>	Initial Shut-In Pressure	1146
<b>5</b>	Initial Final Flow Pressure	19
<b>6</b>	Final Flow Pressure	30
<b>7</b>	Final Shut-In Pressure	1148
<b>8</b>	Final Hydrostatic Pressure	1576
Maximum Temperature		106

**GENERAL INFORMATION**

COMPANY NAME ..... FG HOLL COMPANY, LLC

TEST DATE ..... 3/27/07

SECTION-TOWN-RANGE ..... 18-20-13

STATE ..... KANSAS

COUNTY ..... BARTON

ELEVATION GROUND LEVEL ..... 1885

COMPANY REPRESENTATIVE ..... BILL REED

LEASE AND WELL NUMBER ..... BOOTH 2-18

FORMATION TESTED ..... LANSING G

DRILL STEM TEST NUMBER ..... 6

REPORT NUMBER ..... 15119

ELEVATION KELLY BUSHINGS ..... 1894

TESTING ENGINEER ..... DAVID NICHOLS

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) ..... 3328

TEST INTERVAL (to) ..... 3340

ANCHOR LENGTH ..... 12

TOTAL DEPTH (ft) ..... 3340

TOP PACKER DEPTH ..... 3323

BOTTOM PACKER DEPTH ..... 3328

NUMBER OF PACKERS ..... 2

PACKER SIZE ..... 6 3/4

HOLE SIZE ..... 7 7/8

**FLOW TIMES**

INITIAL OPEN  
TOOL OPEN (from) ..... 1:20

TOOL OPEN (to) ..... 1:35

DURATION (min.) ..... 15

INITIAL SHUT-IN  
TOOL CLOSED (from) ..... 1:35

TOOL CLOSED (to) ..... 2:05

DURATION (min.) ..... 30

FINAL OPEN  
TOOL OPEN (from) ..... 2:05

TOOL OPEN (to) ..... 2:35

DURATION (min.) ..... 30

FINAL SHUT-IN  
TOOL CLOSED (from) ..... 2:35

TOOL CLOSED (to) ..... 3:35

DURATION (min.) ..... 60

INITIAL FLOW WEAK BLOW BUILT TO 2" INTO WATER IN 8 MIN.

FINAL FLOW WEAK BLOW BUILT TO 3" INTO WATER IN 35 MIN.

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

GREAT BEND ,KANSAS 67530 (800)792-6902

**GENERAL INFORMATION**

COMPANY NAME .....	FG HOLL COMPANY,LLC	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/27/07	FORMATION TESTED .....	LANSING G
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	6
STATE .....	KANSAS	REPORT NUMBER .....	15119
COUNTY .....	BARTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVID NICHOLS
COMPANY REPRESENTATIVE .....	BILL REED		

**EXTRA EQUIPMENT**

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	<b>16 MILES ROUND TRIP FROM</b>	<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	3336	BOTTOM RECORDER DEPTH .....	3337
RECORDER NUMBER .....	91986	RECORDER NUMBER .....	5463

**WELL INFORMATION**

DRILLING CONTRACTOR .....	DUKE RIG #8	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3303	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		

**COMMENTS**



# Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

Company FG HOLL COMPANY, LLC.  
 Address 9431 E. CENTRAL, SUITE 100  
 Lease & # BOOTH 2-18 Sec. 18 Twp 20 Rng 13  
 Date 3-27-20 County BARTON Elevation 1885 G.L. 1894 K.B.  
 Drilling Contractor DUKE DRILLING COMPANY Inc. REG # 8  
 Drill Pipe Length 3342 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 XH  
 Drill Collar Length        I.D. of Drill Collars        Tool Joint Size         
 Mud Weight 8.9 Viscosity 51 Filtrate 9.6 Chlorides-Pits 7000 DST         
 Top Packer Depth 3362 Bottom Packer Depth 3367 Number of Packers 2  
 Tested From 3367 to 3400 Total Depth 3400 Anchor Length 33  
 Test # 7 Formation Tested LAWSONG H + I Hole Size 7 7/8  
 Initial Blow Good Blow bottom of the bucket 1 min.  
 Blow back on the 1st Shut-in YES  
 Final Blow Good Blow Bottom of the bucket less than 1 min.  
 Blow back on the 2nd Shut-in       

Initial Hydrostatic 1686 P.S.I. Final Hydrostatic 1615 P.S.I. Maximum Temp. 106 F

Initial Opening <u>39</u> P.S.I. to <u>49</u> P.S.I.	from <u>5:20 p m</u> to <u>5:25 p m</u>	5	minutes
Initial Shut-in <u>987</u> P.S.I.	from <u>5:25 p m</u> to <u>6:25 p m</u>	60	minutes
Final Opening <u>58</u> P.S.I. to <u>154</u> P.S.I.	from <u>6:25 p m</u> to <u>7:25 p m</u>	60	minutes
Final Shut-in <u>878</u> P.S.I.	from <u>7:25 p m</u> to <u>8:55 p m</u>	90	minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>260</u>	<u>GASSEY OIL</u>	<u>15%</u>	<u>85%</u>		
<u>60</u>	<u>Mud + OIL cut GAS</u>	<u>60%</u>	<u>15%</u>	<u>15%</u>	
<u>60</u>	<u>OIL + GAS cut MUD</u>	<u>40%</u>	<u>10%</u>	<u>50%</u>	

Total Feet Recovered 380 Recovery Chlorides        Rw.        ohms @        Degrees  
 Gravity of oil 36 Corrected Gas to Surface in 40 minutes into the 2nd opening  
 Max. Gas Gauged 22,500 MCF/day See Gas Flow Report Was a gas sample taken         
 Comments       

Extra Equipment-Jars YES Safety Joint YES Circulating Sub        Straddle         
 Electronic Recorder No. 91986 Depth 3396 Extra Packer (3rd)        Hook Wall         
 Bottom Recorder No. 5463 Depth 3397 Extra Packer (4th)        Sampler         
 Tool Operator Louy French Approved By       

Ticket No. **15120**

# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

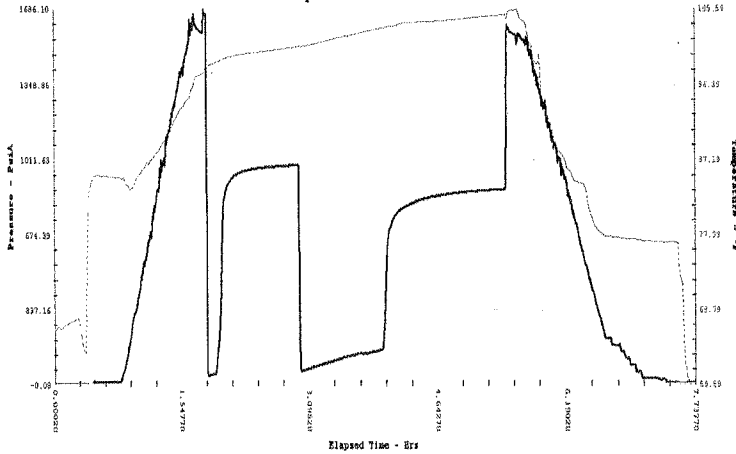
## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

RGE. 13

Company: FG HOLL COMPANY L.L.C. Lease & Well No. BOOTH 2-18 Test #: 7 Date: 3-27-07 SEC. 18 TWP. 20

*Temperature / Pressure Data*



<b>1</b>	Initial Hydrostatic Pressure	1686
<b>2</b>	Initial Flow Pressure	39
<b>3</b>	Final Initial Flow Pressure	49
<b>4</b>	Initial Shut-In Pressure	987
<b>5</b>	Initial Final Flow Pressure	58
<b>6</b>	Final Flow Pressure	154
<b>7</b>	Final Shut-In Pressure	878
<b>8</b>	Final Hydrostatic Pressure	1615

Maximum Temperature      106

**GENERAL INFORMATION**

COMPANY NAME ..... FG HOLL COMPANY LLC	
TEST DATE ..... 3/27/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... LANSING H&I
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 7
COUNTY ..... BARTON	REPORT NUMBER ..... 15120
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVE NICHOLS

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) ..... 3367	TOP PACKER DEPTH ..... 3362
TEST INTERVAL (to) ..... 3400	BOTTOM PACKER DEPTH ..... 3367
ANCHOR LENGTH ..... 33	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3400	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

**FLOW TIMES**

<i>INITIAL OPEN</i>		<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... 5:20		TOOL OPEN (from) ..... 6:25	
TOOL OPEN (to) ..... 5:25		TOOL OPEN (to) ..... 7:25	
DURATION (min.) ..... 5		DURATION (min.) ..... 60	
<i>INITIAL SHUT-IN</i>		<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... 5:25		TOOL CLOSED (from) ..... 7:25	
TOOL CLOSED (to) ..... 6:25		TOOL CLOSED (to) ..... 8:55	
DURATION (min.) ..... 60		DURATION (min.) ..... 90	

**INITIAL FLOW**      GOOD BLOW BOTTOM OF THE BUCKET 1 MIN.

**FINAL FLOW**      GOOD BLOW BOTTOM OF THE BUCKET LESS THAN 1 MIN.

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

GREAT BEND ,KANSAS 67530 (800)792-6902

**GENERAL INFORMATION**

COMPANY NAME .....	FG HOLL COMPANY LLC	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/27/07	FORMATION TESTED .....	LANSING H&I
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	7
STATE .....	KANSAS	REPORT NUMBER .....	15120
COUNTY .....	BARTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVE NICHOLS
COMPANY REPRESENTATIVE .....	BILL REE		

**EXTRA EQUIPMENT**

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
	<b>16 MILES ROUND TRIP FROM</b>	SAMPLER .....	NO
		<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	3396	BOTTOM RECORDER DEPTH .....	3397
RECORDER NUMBER .....	91986	RECORDER NUMBER .....	5463

**WELL INFORMATION**

DRILLING CONTRACTOR .....	DUKE RIG #8	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3342	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		

**COMMENTS**

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

GREAT BEND, KANSAS

**GAS FLOW RATE**

(800) 792-6902

#

<b>STATE</b> ..... KANSAS	<b>Test Date</b> .....	1/0/1900
<b>COUNTY</b> ..... BARTON	<b>Sec Town Range</b> .....	18-20-13
<b>FIELD</b> .....	<b>Report Number</b> .....	15120

**Initial Flow**

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (In)	Gas Rate (MCF/Day)
TOOL OPENED AT 5:20							

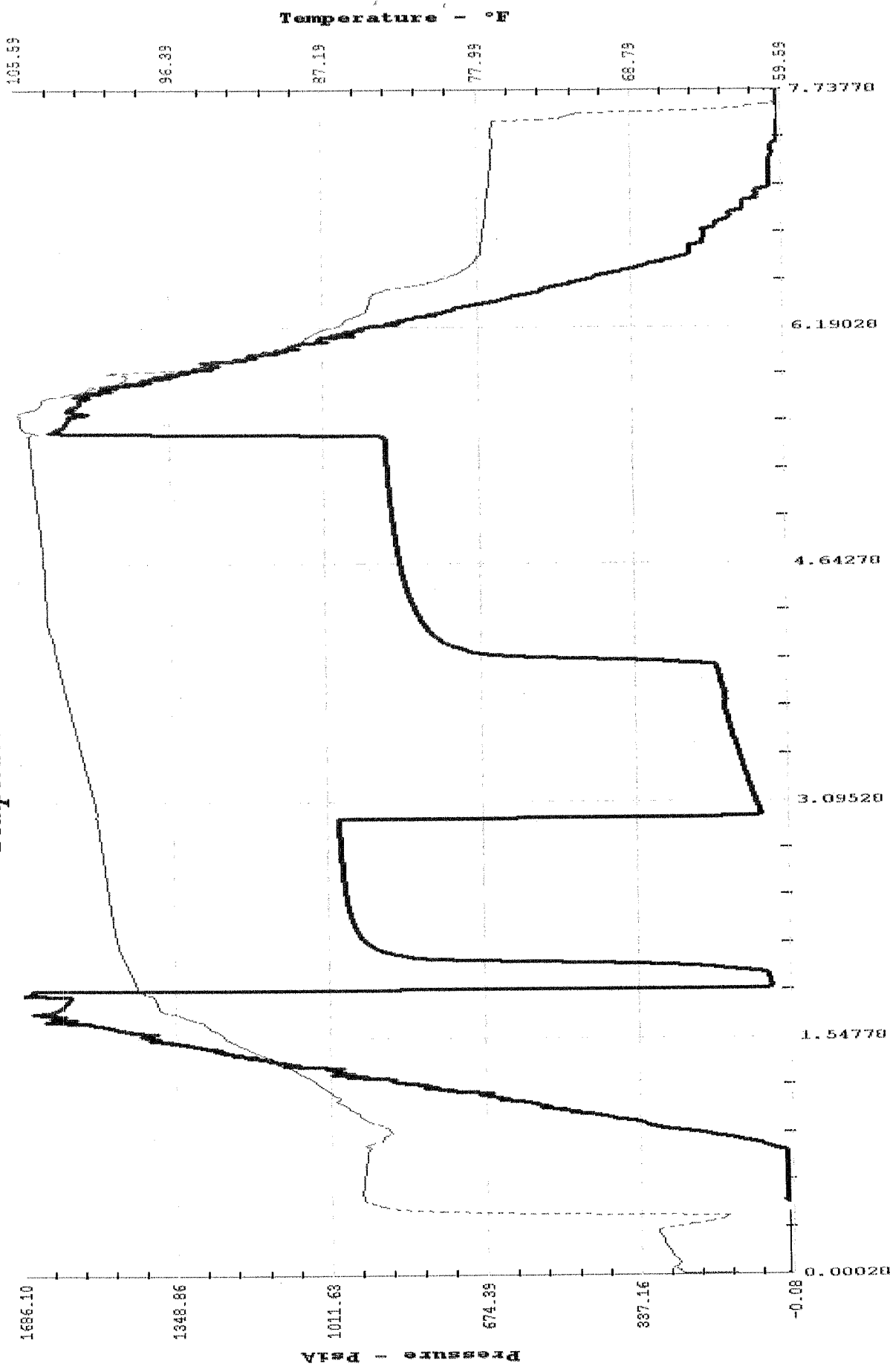
**Final Flow**

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (In)	Gas Rate (MCF/Day)
	7:10	45	40			3/8	22.500
TOOL OPENED	7:20	55	8			3/8	10.100
AT 6:25	7:25	60	5			3/8	7.980
GAS TO SURFACE IN 40 MIN							

**Was there a gas sample taken**



*Temperature / Pressure Data*





# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

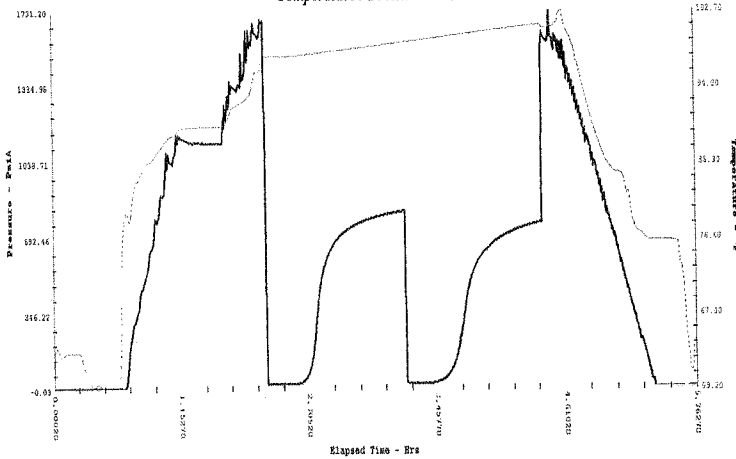
GREAT BEND, KANSAS 67530

RGE. 13

Company: FG HOLL COMPANY LLC

Lease & Well No. BOOTH 2-18 Test #: 8 Date: 3-28-07 SEC. 18 TWP. 20

*Temperature / Pressure Data*



<b>1</b>	Initial Hydrostatic Pressure	1689
<b>2</b>	Initial Flow Pressure	24
<b>3</b>	Final Initial Flow Pressure	23
<b>4</b>	Initial Shut-In Pressure	818
<b>5</b>	Initial Final Flow Pressure	25
<b>6</b>	Final Flow Pressure	26
<b>7</b>	Final Shut-In Pressure	766
<b>8</b>	Final Hydrostatic Pressure	1630
Maximum Temperature		103

### GENERAL INFORMATION

COMPANY NAME ..... FG HOLL COMPANY LLC	
TEST DATE ..... 3/28/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... LANSING J
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 8
COUNTY ..... BARTON	REPORT NUMBER ..... 15121
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVE NICHOLS

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 3403	TOP PACKER DEPTH ..... 3398
TEST INTERVAL (to) ..... 3420	BOTTOM PACKER DEPTH ..... 3403
ANCHOR LENGTH ..... 17	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3420	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

<i>INITIAL OPEN</i>	<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... 7:35	TOOL OPEN (from) ..... 8:50	
TOOL OPEN (to) ..... 7:50	TOOL OPEN (to) ..... 9:05	
DURATION (min.) ..... 15	DURATION (min.) ..... 15	
<i>INITIAL SHUT-IN</i>	<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... 7:50	TOOL CLOSED (from) ..... 9:05	
TOOL CLOSED (to) ..... 8:50	TOOL CLOSED (to) ..... 10:05	
DURATION (min.) ..... 60	DURATION (min.) ..... 60	

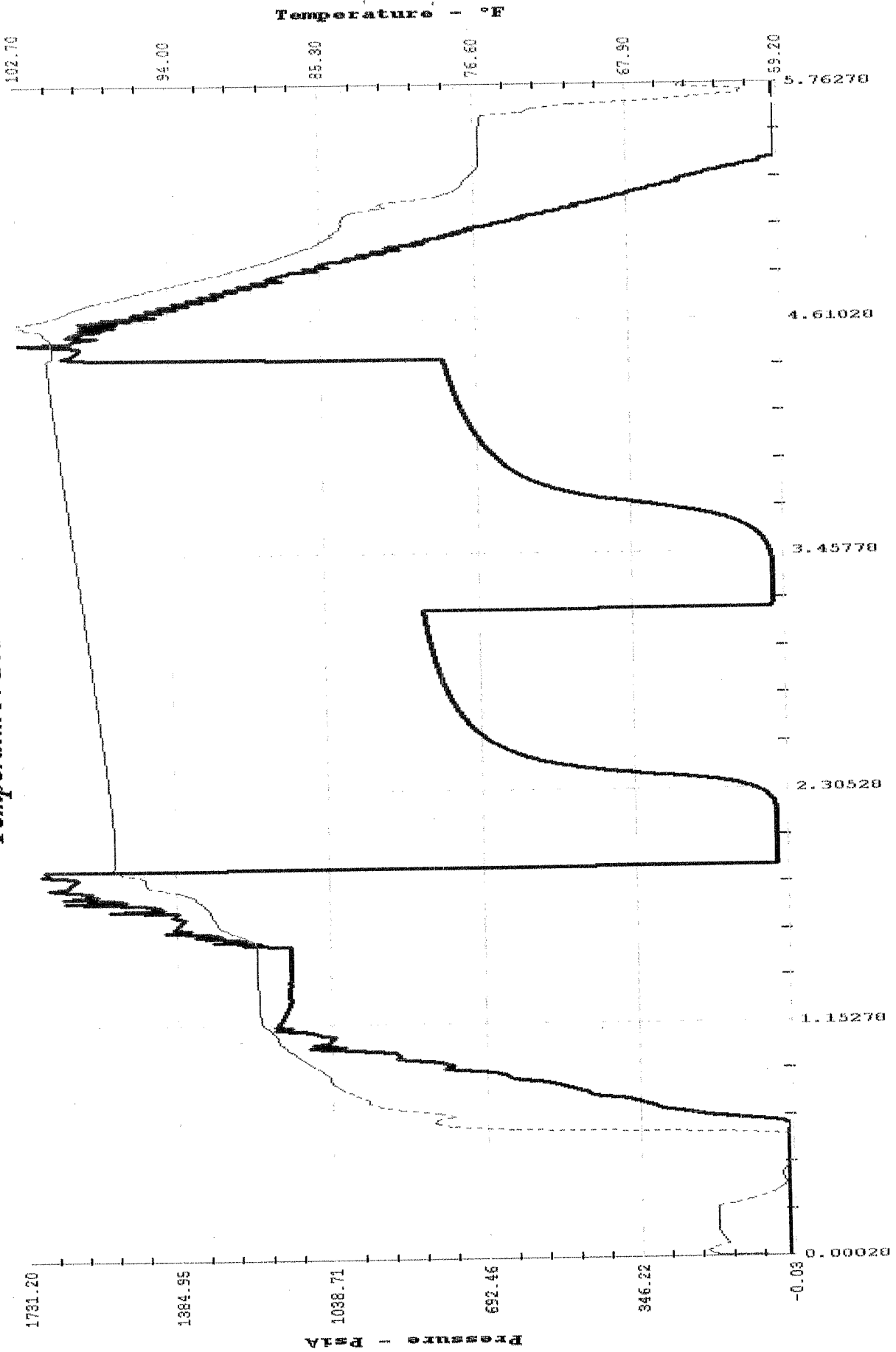
**INITIAL FLOW**      WEAK BUILDING BLOW BUILT TO 1.5" INTO WATER IN 11 MIN.

**FINAL FLOW**      WEAK SURFACE BLOW





*Temperature / Pressure Data*





# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

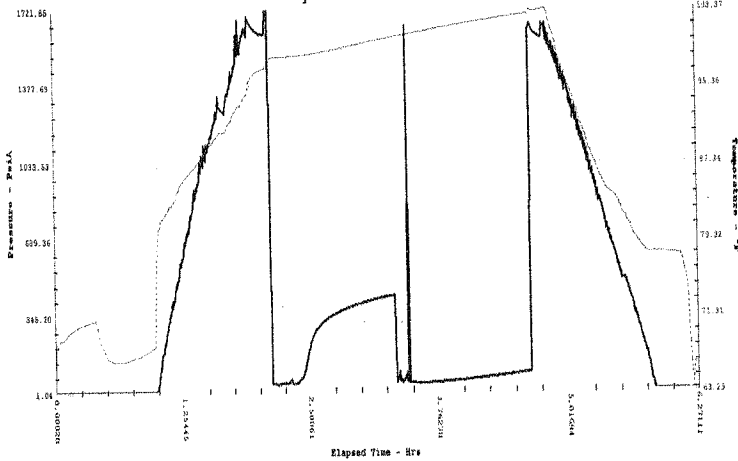
1(800)792-6902

RGE. 13

Company: FG HOLL COMPANY LLC

Lease & Well No. BOOTH 2-18 Test #: 9 Date: 3-28-07 SEC. 18 1WF. 20

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1721
2	Initial Flow Pressure	35
3	Final Initial Flow Pressure	37
4	Initial Shut-In Pressure	435
5	Initial Final Flow Pressure	39
6	Final Flow Pressure	40
7	Final Shut-In Pressure	88
8	Final Hydrostatic Pressure	1651
Maximum Temperature		103

### GENERAL INFORMATION

COMPANY NAME ..... FG HOLL COMPANY LLC	
TEST DATE ..... 3/28/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... LANSING K-L
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 9
COUNTY ..... BARTON	REPORT NUMBER ..... 15122
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVE NICHOLS

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 3427	TOP PACKER DEPTH ..... 3398
TEST INTERVAL (to) ..... 3462	BOTTOM PACKER DEPTH ..... 3403
ANCHOR LENGTH ..... 35	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3462	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

<i>INITIAL OPEN</i>		<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... 9:40		TOOL OPEN (from) ..... 10:55	
TOOL OPEN (to) ..... 9:55		TOOL OPEN (to) ..... 11:10	
DURATION (min.) ..... 15		DURATION (min.) ..... 15	
 <i>INITIAL SHUT-IN</i>		 <i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... 9:55		TOOL CLOSED (from) ..... 11:10	
TOOL CLOSED (to) ..... 10:55		TOOL CLOSED (to) ..... 12:10	
DURATION (min.) ..... 60		DURATION (min.) ..... 60	

### INITIAL FLOW

WEAK BLOW BUILT TO 1/2 INCH INTO WATER IN 1 MIN

### FINAL FLOW

VERY WEAK SURFACE BLOW DIED AFTER 1 MIN FLUSHED TOOL WEAK SURFACE BLOW

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

GREAT BEND ,KANSAS 67530 (800)792-6902

**GENERAL INFORMATION**

COMPANY NAME .....	FG HOLL COMPANY LLC	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/28/07	FORMATION TESTED .....	LANSING K-L
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	9
STATE .....	KANSAS	REPORT NUMBER .....	15122
COUNTY .....	BARTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVE NICHOLS
COMPANY REPRESENTATIVE .....	BILL REE		

**EXTRA EQUIPMENT**

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	<b>16 MILES ROUND TRIP FROM</b>	<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	3458	BOTTOM RECORDER DEPTH .....	3459
RECORDER NUMBER .....	91986	RECORDER NUMBER .....	5463

**WELL INFORMATION**

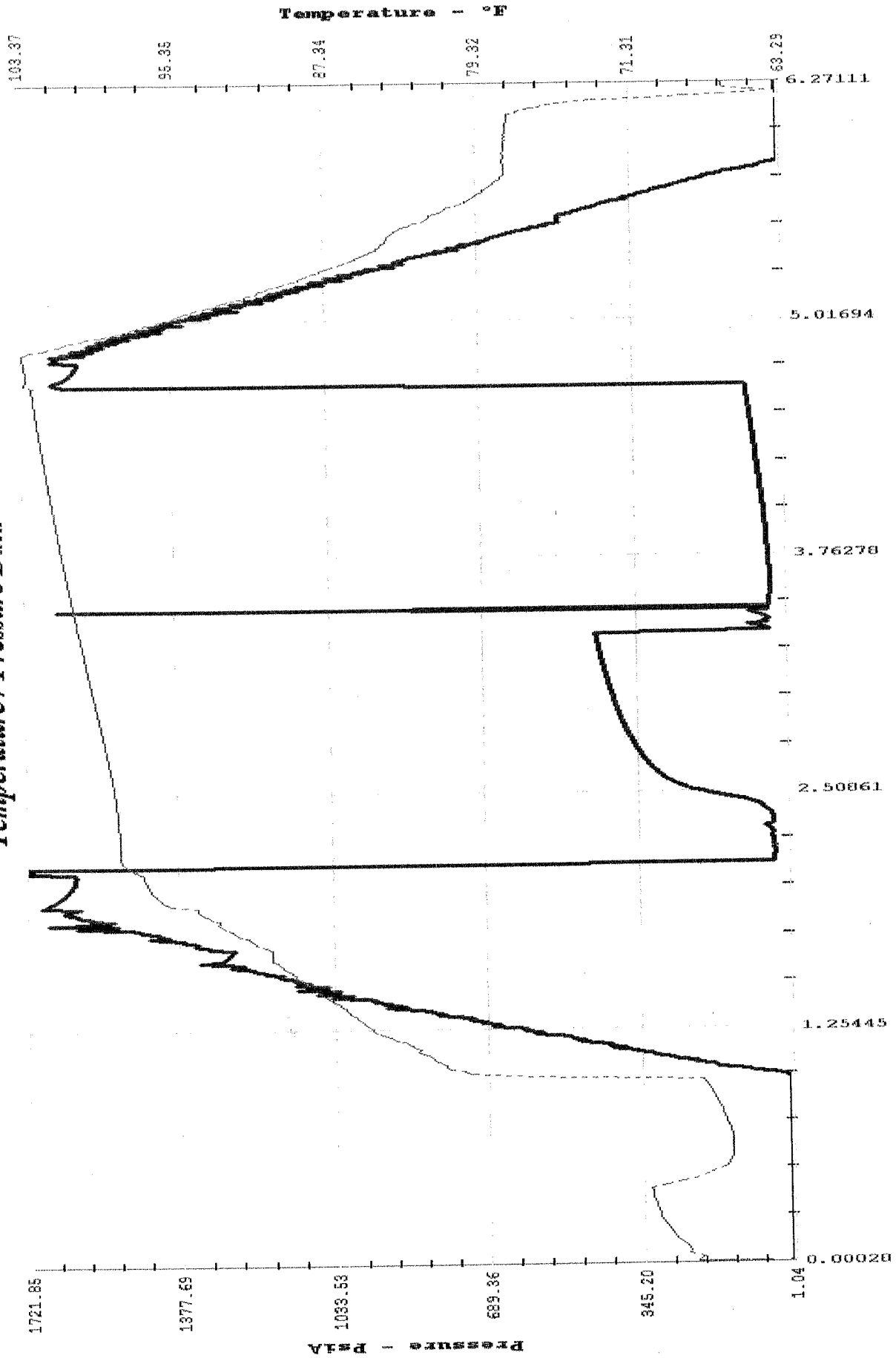
9

DRILLING CONTRACTOR .....	DUKE RIG #8	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3402	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		

**COMMENTS**



*Temperature / Pressure Data*





# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

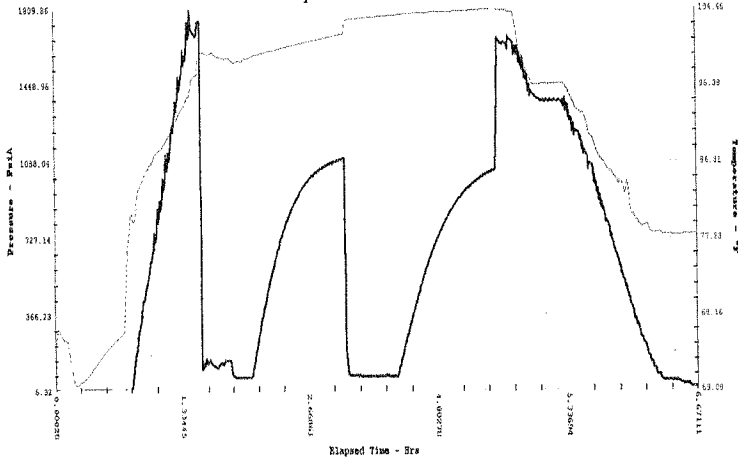
GREAT BEND, KANSAS 67530

RGE. 13

Company: FG HOLL COMPANY LLC

Lease & Well No. BOOTH 2-18 Test #: 10 Date: 3-29-07 SEC. 18 TWP. 20

Temperature / Pressure Data



<b>1</b>	Initial Hydrostatic Pressure	1750
<b>2</b>	Initial Flow Pressure	62
<b>3</b>	Final Initial Flow Pressure	64
<b>4</b>	Initial Shut-In Pressure	1100
<b>5</b>	Initial Final Flow Pressure	72
<b>6</b>	Final Flow Pressure	70
<b>7</b>	Final Shut-In Pressure	1048
<b>8</b>	Final Hydrostatic Pressure	1671
Maximum Temperature		104

**GENERAL INFORMATION**

COMPANY NAME ..... FG HOLL COMPANY LLC	
TEST DATE ..... 3/29/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... ARBUCKLE
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 10
COUNTY ..... BARTON	REPORT NUMBER ..... 15123
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVE NICHOLS

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) ..... 3457	TOP PACKER DEPTH ..... 3452
TEST INTERVAL (to) ..... 3530	BOTTOM PACKER DEPTH ..... 3457
ANCHOR LENGTH ..... 73	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3530	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

**FLOW TIMES**

<i>INITIAL OPEN</i>		<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... 1:30		TOOL OPEN (from) ..... 3:00	
TOOL OPEN (to) ..... 2:00		TOOL OPEN (to) ..... 3:30	
DURATION (min.) ..... 30		DURATION (min.) ..... 30	
<i>INITIAL SHUT-IN</i>		<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... 2:00		TOOL CLOSED (from) ..... 3:30	
TOOL CLOSED (to) ..... 3:00		TOOL CLOSED (to) ..... 4:30	
DURATION (min.) ..... 60		DURATION (min.) ..... 60	

**INITIAL FLOW**      GOOD BLOW BOTTOM OF THE BUCKET IN 2 MIN  
                           GAS TO SURFACE IN 25 MIN

**FINAL FLOW**        GOOD BLOW BOTTOM OF THE BUCKET IN LESS THAN 1 MIN

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

GREAT BEND ,KANSAS 67530 (800)792-6902

**GENERAL INFORMATION**

COMPANY NAME .....	FG HOLL COMPANY LLC	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/29/07	FORMATION TESTED .....	ARBUCKLE
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	10
STATE .....	KANSAS	REPORT NUMBER .....	15123
COUNTY .....	BARTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVE NICHOLS
COMPANY REPRESENTATIVE .....	BILL REE		

**EXTRA EQUIPMENT**

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	<b>16 MILES ROUND TRIP FROM</b>	<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	3526	BOTTOM RECORDER DEPTH .....	3527
RECORDER NUMBER .....	91986	RECORDER NUMBER .....	5463

**WELL INFORMATION**

9

DRILLING CONTRACTOR .....	DUKE RIG #8	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3432	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		

**COMMENTS**

# SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

## GAS FLOW RATE

(800) 792-6902

#

STATE.....	KANSAS	Test Date .....	1/0/1900
COUNTY.....	BARTON	Sec Town Range .....	18-20-13
FIELD.....		Report Number .....	15123

### Initial Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED AT 1:30 GAS TO SURFACE IN 25 MIN.							

### Final Flow

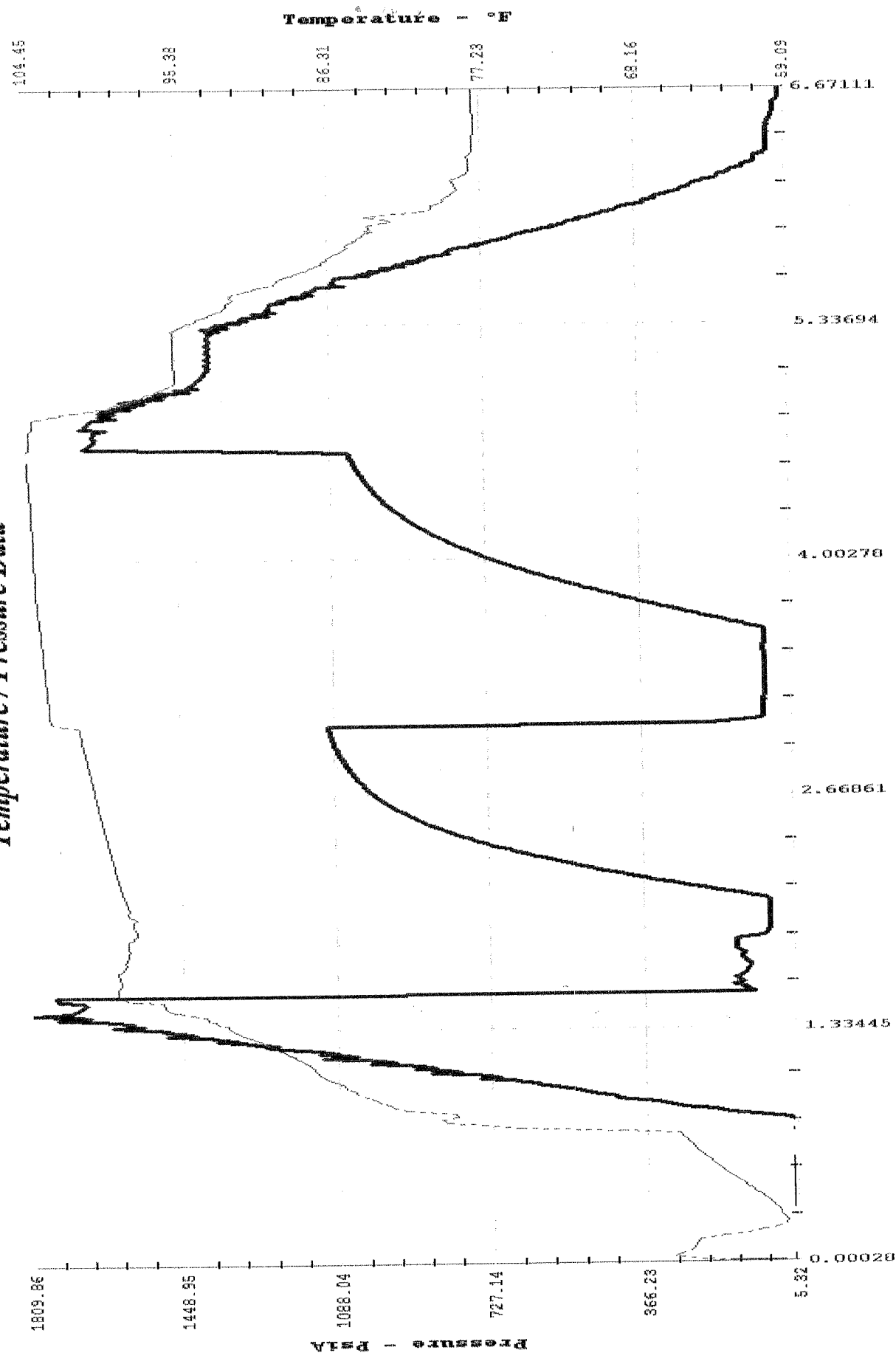
Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPEN	3:10	10	11			1/2	20.900
AT 3:00	3:20	20	11			1/2	20.900
	3:30	30	13			1/2	22.800

Was there a gas sample taken

YES



# Temperature / Pressure Data



Elapsed Time - Hrs

# Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

Company F.G. Holl Company L.L.C.  
 Address 9431 E central Suite #100 Wichita KS  
 Lease & # Booth 2-18 Sec. 18 Twp 20 Rng 13  
 Date 3-30-07 County Barton Elevation 1885 G.L. 1894 K.B.  
 Drilling Contractor Duke Rig #8  
 Drill Pipe Length 3505 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 XH  
 Drill Collar Length — I.D. of Drill Collars — Tool Joint Size —  
 Mud Weight 8.9 Viscosity 53 Filtrate 9.2 Chlorides-Pits 8000 DST —  
 Top Packer Depth 3525 Bottom Packer Depth 3530 Number of Packers 2  
 Tested From 3530 to 3545 Total Depth 3545 Anchor Length 15  
 Test # 11 Formation Tested ARBuckle Hole Size 7 7/8  
 Initial Blow good Blow Bottom Bucket in 3 min

Blow back on the 1st Shut-in Bottom Bucket

Final Blow good Blow Bottom Bucket in less 2 min

Blow back on the 2nd Shut-in Bottom Bucket

Initial Hydrostatic 1785 P.S.I. Final Hydrostatic 1688 P.S.I. Maximum Temp. 102 F

Initial Opening <u>28</u> P.S.I. to <u>27</u> P.S.I.	from <u>3:15</u> m to <u>3:45</u> m	<u>30</u> minutes
Initial Shut-in <u>791</u> P.S.I.	from <u>3:45</u> m to <u>4:45</u> m	<u>60</u> minutes
Final Opening <u>34</u> P.S.I. to <u>28</u> P.S.I.	from <u>4:45</u> m to <u>5:15</u> m	<u>30</u> minutes
Final Shut-in <u>682</u> P.S.I.	from <u>5:15</u> m to <u>6:15</u> m	<u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>40</u>	<u>Mud with a slight show of oil</u>		<u>2.98</u>		
<u>1980</u>	<u>gas in pipe</u>	<u>100</u>			

Total Feet Recovered \_\_\_\_\_ Recovery Chlorides \_\_\_\_\_ Rw. \_\_\_\_\_ ohms @ \_\_\_\_\_ Degrees  
 Gravity of oil \_\_\_\_\_ Corrected Gas to Surface in \_\_\_\_\_ minutes into the \_\_\_\_\_  
 Max. Gas Gauged \_\_\_\_\_ MCF/day See Gas Flow Report Was a gas sample taken \_\_\_\_\_  
 Comments \_\_\_\_\_

Extra Equipment-Jars yes Safety Joint yes Circulating Sub \_\_\_\_\_ Straddle \_\_\_\_\_  
 Electronic Recorder No. 91986 Depth 3541 Extra Packer (3rd) \_\_\_\_\_ Hook Wall \_\_\_\_\_  
 Bottom Recorder No. 5763 Depth 3542 Extra Packer (4th) \_\_\_\_\_ Sampler \_\_\_\_\_  
 Tool Operator Paul Minter Approved By \_\_\_\_\_

Ticket No. 15124

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

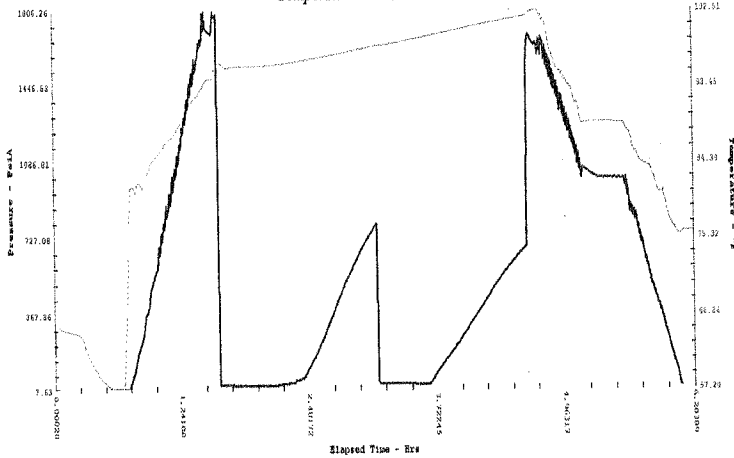
GREAT BEND, KANSAS 67530

1(800)792-6902

Company: F.G. HOLL COMPANY L.L.C

RGE. 13 Lease & Well No. BOOTH 2-18 Test #: 11 Date: 3-30-07 SEC. 18 IWP: 20

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1785
2	Initial Flow Pressure	28
3	Final Initial Flow Pressure	27
4	Initial Shut-In Pressure	791
5	Initial Final Flow Pressure	34
6	Final Flow Pressure	28
7	Final Shut-In Pressure	682
8	Final Hydrostatic Pressure	1688

Maximum Temperature      102

### GENERAL INFORMATION

COMPANY NAME ..... F.G. HOLL COMPANY L.L.C	
TEST DATE ..... 3/30/07	LEASE AND WELL NUMBER ..... BOOTH 2-18
SECTION-TOWN-RANGE ..... 18-20-13	FORMATION TESTED ..... ARBUCKLE
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 11
COUNTY ..... BARTON	REPORT NUMBER ..... 15124
ELEVATION GROUND LEVEL ..... 1885	ELEVATION KELLY BUSHINGS ..... 1894
COMPANY REPRESENTATIVE ..... BILL REE	TESTING ENGINEER ..... DAVE NICHOLS

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 3530	TOP PACKER DEPTH ..... 3525
TEST INTERVAL (to) ..... 3545	BOTTOM PACKER DEPTH ..... 3530
ANCHOR LENGTH ..... 15	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3545	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

<p><i>INITIAL OPEN</i></p> <p>TOOL OPEN (from) ..... 3:15</p> <p>TOOL OPEN (to) ..... 3:45</p> <p>DURATION (min.) ..... 30</p> <p><i>INITIAL SHUT-IN</i></p> <p>TOOL CLOSED (from) ..... 3:45</p> <p>TOOL CLOSED (to) ..... 4:45</p> <p>DURATION (min.) ..... 60</p>	<p><i>FINAL OPEN</i></p> <p>TOOL OPEN (from) ..... 4:45</p> <p>TOOL OPEN (to) ..... 5:15</p> <p>DURATION (min.) ..... 30</p> <p><i>FINAL SHUT-IN</i></p> <p>TOOL CLOSED (from) ..... 5:15</p> <p>TOOL CLOSED (to) ..... 6:15</p> <p>DURATION (min.) ..... 60</p>
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**INITIAL FLOW      GOOD BLOW BOTTOM BUCKET IN 3 MIN**

**FINAL FLOW      GOOD BLOW BOTTOM BUCKET IN LESS 1 MIN**

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

GREAT BEND ,KANSAS 67530 (800)792-6902

**GENERAL INFORMATION**

COMPANY NAME .....	F.G. HOLL COMPANY L.L.C	LEASE AND WELL NUMBER .....	BOOTH 2-18
TEST DATE .....	3/30/07	FORMATION TESTED .....	ARBUCKLE
SECTION-TOWN-RANGE .....	18-20-13	DRILL STEM TEST NUMBER .....	11
STATE .....	KANSAS	REPORT NUMBER .....	15124
COUNTY .....	BARTON	ELEVATION KELLY BUSHINGS .....	1894
ELEVATION GROUND LEVEL .....	1885	TESTING ENGINEER .....	DAVE NICHOLS
COMPANY REPRESENTATIVE .....	BILL REE		

**EXTRA EQUIPMENT**

JARS .....	YES	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	YES	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	<b>16 MILES ROUND TRIP FROM</b>	<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	3541	BOTTOM RECORDER DEPTH .....	3542
RECORDER NUMBER .....	91986	RECORDER NUMBER .....	5463

**WELL INFORMATION**

9

DRILLING CONTRACTOR .....	DUKE #8	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3505	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		

**COMMENTS**



# Temperature / Pressure Data

