

F.G. Holl Co.
Russell Trust 1-3

3-25-17w
15-047-21547

Superior Testers Enterprises, Inc.

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

KB 2198

Date 2-4-07 Location 3-25-17 Elevation 2127 County Edwards

Company F.G. Holl company 220 Number of Copies 5

Charts Mailed to 9431 E. Central, Suite 100 Wichita KS 67206

Drilling Contractor Duke Drilling company, Reg 1

Length Drill Pipe 2386 I.D. Drill Pipe 3.8 Tool Joint Size 4 1/2 XH

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 2437 Bottom Packer Depth 2442 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 2442 TO 2461 ANCHOR LENGTH 19 TOTAL DEPTH 2461 Hole Size 7 1/8

LEASE & WELL NO. RUSSELL TRUST #1-3 FORMATION TESTED FORT RILEY TEST NO. 1

Mud Weight 87 Viscosity 46 Water Loss 72 Chlorides - Pits 9,600 D.S.T. 148000

Maximum Temp. 90 °F Initial Hydrostatic Pressure (A) 1223 P.S.I. Final Hydrostatic Pressure (H) 1181 P.S.I.

Tool Open I.F.P. from 5:47 A_m to 6:17 A_m 30 min

Tool Closed I.C.I.P. from 6:17 A_m to 7:17 A_m 60 min

Tool Open F.F.P. from 7:17 A_m to 7:47 A_m 30 min

Tool Closed F.C.I.P. from 7:47 A_m to 8:47 A_m 60 min

Initial Blow Fail Blow, 10 min to bottom of bucket

Final Blow Strong Blow, bottom of bucket in 2 min, in down back

Total Feet Recovered 205 Gravity of Oil _____ Corrected

25 Feet of water cut mud % Gas _____ % Oil 95 % Mud 5 % Water

60 Feet of water cut mud % Gas _____ % Oil 70 % Mud 30 % Water

120 Feet of water cut mud % Gas _____ % Oil 8 % Mud 92 % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of chlor. & S = 148,000 % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks Tool slide 10 feet to bottom when open

Extra Equipment - Jars yes Safety Joint yes Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4023 Clock No. Electronica Depth 2457 Cir. Sub _____ Sampler _____

Bottom Recorder No. 3088 Clock No. 47441 Depth 2458 Insurance _____

Price of Job _____

Tool Operator Jim Killed

Approved By _____

No 14345

from [B] <u>59</u> P.S.I. to [C] <u>81</u> P.S.I.
[D] <u>683</u> P.S.I.
from [E] <u>81</u> P.S.I. to [F] <u>111</u> P.S.I.
[G] <u>686</u> P.S.I.

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SUPERIOR TESTERS ENTERPRISES L.L.C.

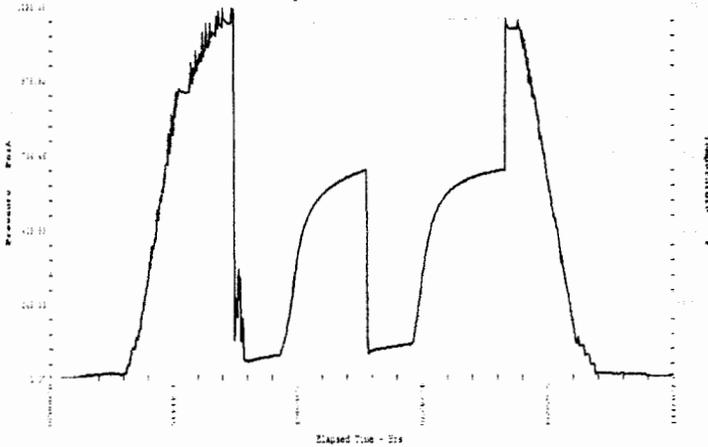
1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. RUSSEL TRUST # 1-3 Test #: 1 Date: 2-04-07 SEC. 3
 TWP. 25 RGE. 17

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1223
2	Initial Flow Pressure	59
3	Final Initial Flow Pressure	81
4	Initial Shut-In Pressure	683
5	Initial Final Flow Pressure	81
6	Final Flow Pressure	111
7	Final Shut-In Pressure	686
8	Final Hydrostatic Pressure	1181

Maximum Temperature 90

GENERAL INFORMATION

COMPANY NAME F.G. HOLL COMPANY L.L.C.

TEST DATE 2/4/07

LEASE AND WELL NUMBER RUSSEL TRUST # 1-3

SECTION-TOWN-RANGE 3-25-17 WEST

FORMATION TESTED FORT RILEY

STATE KANSAS

DRILL STEM TEST NUMBER 1

COUNTY EDWARDS

REPORT NUMBER 14345

ELEVATION GROUND LEVEL 2127

ELEVATION KELLY BUSHINGS 2138

COMPANY REPRESENTATIVE BILL REE

TESTING ENGINEER SCOTT HILLIARD

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2442.

TOP PACKER DEPTH 2437

TEST INTERVAL (to) 2461

BOTTOM PACKER DEPTH 2442

ANCHOR LENGTH 19

NUMBER OF PACKERS 2

TOTAL DEPTH (ft) 2461

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 5:47

TOOL OPEN (from) 7:17

INITIAL OPEN TOOL OPEN (to) 6:17

FINAL OPEN TOOL OPEN (to) 7:47

DURATION (min.) 30 MIN

DURATION (min.) 30 MIN

TOOL CLOSED (from) 6:17

TOOL CLOSED (from) 7:47

INITIAL SHUT-IN TOOL CLOSED (to) 7:17

FINAL SHUT-IN TOOL CLOSED (to) 8:47

DURATION (min.) 60

DURATION (min.) 60 MIN

INITIAL FLOW FAIR BLOW BOTTOM OF BUCKET IN 10 MIN

FINAL FLOW STRONG BLOW , BOTTOM OF BUCKET IN 2 MIN, 1/2 INCH BLOWBACK

Feet of Recovery	RESISTIVITY		AT	DEGREES	CHLORIDES			
	RECOVERY DESCRIPTION				% GAS	% OIL	% MUD	% WATER
1) 25	WATER CUT MUD						95	5
2) 60	WATER CUT MUD						70	30
3) 120	WATER CUT MUD						8	92
4)	CHLORIDES 148,000							
5)								

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	..... RUSSEL TRUST # 1-3
TEST DATE	..... 2/4/07	FORMATION TESTED	..... FORT RILEY
SECTION-TOWN-RANGE	..... 3-25-17 WEST	DRILL STEM TEST NUMBER	..... 1
STATE	..... KANSAS	REPORT NUMBER	..... 14345
COUNTY	..... EDWARDS	ELEVATION KELLY BUSHINGS	..... 2138
ELEVATION GROUND LEVEL	..... 2127	TESTING ENGINEER	..... SCOTT HILLIARD
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
TOP RECORDER DEPTH	..... 2457	SAMPLER	..... NO
RECORDER NUMBER	..... 91971	95 MILES ROUND TRIP FROM	GREAT BEND
		BOTTOM RECORDER DEPTH	..... 2458
		RECORDER NUMBER	..... 3875

DRILL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING COMPANY		
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	..... 8.7
WEIGHT PIPE I.D.	..... 2.25	VISCOSITY	..... 46
TOOL JOINT SIZE	..... 4 1/2 X.H.	WATER LOSS	..... 7.2
		CHLORIDES-PITS	..... 7,600
		CHLORIDES-DST #####

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902

KB 2138

Date 2-5-07 Location 3-25-17w Elevation 2127 County Edwards

Company F.G. Hall Company LLC Number of Copies 5

Charts Mailed to 9431 E Central St #100 Wichita KS 67206

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 2692 I.D. Drill Pipe 3.8 Tool Joint Size 4 1/2 XH

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 2748 Bottom Packer Depth 2748 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 2748 TO 2795 ANCHOR LENGTH 47 TOTAL DEPTH 2795 Hole Size 7 7/8

LEASE & WELL NO. Russell Trust #1-3 FORMATION TESTED Cottonwood TEST NO. 2

Mud Weight 9.1 Viscosity 90 Water Loss 12.0 Chlorides - Pits 45,000 D.S.T. 130,000

Maximum Temp. 462.0 °F Initial Hydrostatic Pressure (A) 14774 P.S.I. Final Hydrostatic Pressure (H) 1370 P.S.I.

Tool Open I.F.P. from 10:31 A.m to 10:36 A.m 5 min

Tool Closed I.C.I.P. from 10:36 A.m to 11:36 A.m 60 min

Tool Open F.F.P. from 11:36 A.m to 12:36 P.m 60 min

Tool Closed F.C.I.P. from 12:36 P.m to 2:06 P.m 90 min

Initial Blow Strong Blow Bottom of Bucket in 1 min

Final Blow Strong Blow Bottom of Bucket in 1 min (Gas to surface 20 min)

Total Feet Recovered 1972 feet Gas in pipe 720 feet Fluid in pipe Gravity of Oil _____ Corrected

300 Feet of Gassy mud cut water 10 % Gas 50 % Oil 40 % Mud 40 % Water

180 Feet of Gassy water cut mud 10 % Gas 30 % Oil 60 % Mud 60 % Water

240 Feet of Gassy water 10 % Gas 10 % Oil 80 % Mud 80 % Water

_____ Feet of 1972 feet Gas in pipe _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of 130,000 chlorides _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks Gas to surface 20 min

Extra Equipment - Jars Yes Safety Joint Yes Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4023 Clock No. Electronica Depth 2791 Cir. Sub _____ Sampler _____

Bottom Recorder No. 3088 Clock No. 47441 Depth 2792 Insurance _____

Price of Job _____

Tool Operator [Signature]

Approved By [Signature]

110 14346

from [B] <u>71</u> P.S.I. to [C] <u>92</u> P.S.I.
[D] <u>860</u> P.S.I.
from [E] <u>104</u> P.S.I. to [F] <u>276</u> P.S.I.
[G] <u>810</u> P.S.I.

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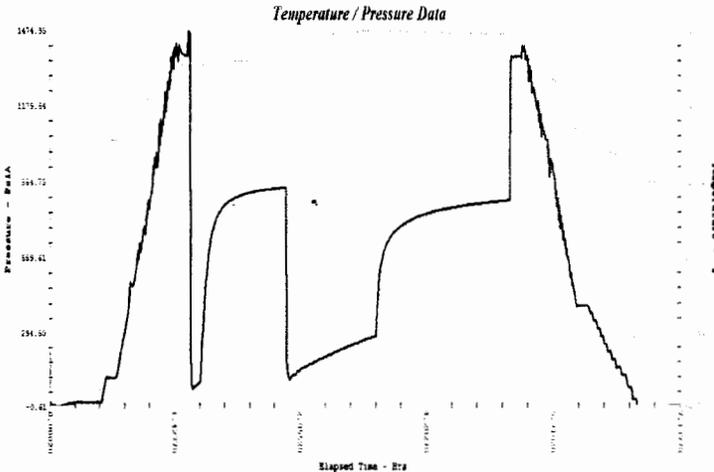
SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C Lease & Well No. RUSSEL TRUST 1-3 Test #: 2 Date 2-5-07 SEC. 3 TWP. 25 RGE. 17



1	Initial Hydrostatic Pressure	1474
2	Initial Flow Pressure	71
3	Final Initial Flow Pressure	92
4	Initial Shut-In Pressure	860
5	Initial Final Flow Pressure	104
6	Final Flow Pressure	276
7	Final Shut-In Pressure	810
8	Final Hydrostatic Pressure	1370
Maximum Temperature		96

GENERAL INFORMATION

COMPANY NAME F.G HOLL COMPANY L.L.C	
TEST DATE 2/5/07	LEASE AND WELL NUMBER RUSSEL TRUST 1-3
SECTION-TOWN-RANGE 3-25-17W	FORMATION TESTED COTTONWOOD
STATE KANSAS	DRILL STEM TEST NUMBER 2
COUNTY EDWARDS	REPORT NUMBER 14346
ELEVATION GROUND LEVEL 2127	ELEVATION KELLY BUSHINGS 2138
COMPANY REPRESENTATIVE BILL REE	TESTING ENGINEER JARED SCHECK

TOOL SETTING INFORMATION

TEST INTERVAL (from) 2748	TOP PACKER DEPTH 2743
TEST INTERVAL (to) 2795	BOTTOM PACKER DEPTH 2790
ANCHOR LENGTH 47	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 2795	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

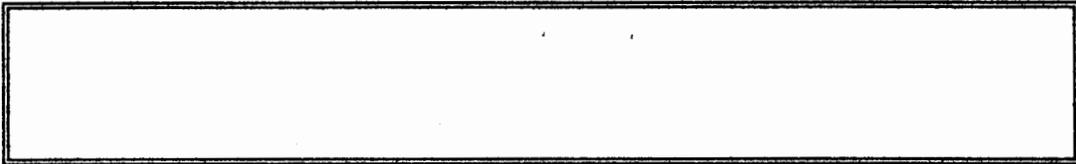
TOOL OPEN (from) 10:31A	TOOL OPEN (from) 11:36
INITIAL OPEN TOOL OPEN (to) 10:36	FINAL OPEN TOOL OPEN (to) 12:36P
DURATION (min.) 5	DURATION (min.) 60
TOOL CLOSED (from) 10:36	TOOL CLOSED (from) 12:36
INITIAL SHUT-IN TOOL CLOSED (to) 11:36	FINAL SHUT-IN TOOL CLOSED (to) 2:06
DURATION (min.) 60	DURATION (min.) 90

STRONG BLOW BOTTOM OF BUCKET IN 1 MIN

FINAL FLOW

STRONG BLOW BOTTOM OF BUCKET IN 1 MIN

Feet of	RESISTIVITY	AT	DEGREES	CHLORIDES			
				% GAS	% OIL	% MUD	% WATER
1) 1972	GAS IN PIPE			100			
2) 300	GASSY MUD CUT WATER			10		50	40
3) 180	GASSY WATER CUT MUD			10		30	60
4) 240	GASS WATER			10		10	80
5)							



GENERAL INFORMATION

COMPANY NAME		LEASE AND WELL NUMBER	
TEST DATE	2/5/07	FORMATION TESTED	
SECTION-TOWN-RANGE	3-25-17W	DRILL STEM TEST NUMBER	
STATE	KANSAS	REPORT NUMBER	14346
COUNTY	EDWARDS	ELEVATION KELLY BUSHINGS	2138
ELEVATION GROUND LEVEL	2127	TESTING ENGINEER	JARED SCHECK
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
	95 MILES ROUND TRIP FROM	SAMPLER	NO
	GREAT BEND		
TOP RECORDER DEPTH	2791	BOTTOM RECORDER DEPTH	2792
RECORDER NUMBER	91971	RECORDER NUMBER	3875

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #1		
DRILL PIPE LENGTH	2692	DRILL COLLAR LENGTH	30
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	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	40
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	12
		CHLORIDES-PITS	43,000
		CHLORIDES-DST	#####

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902 KB 2138

Date 2-7-07 Location 3-25-17w Elevation 2127 County Edwards

Company F.G. Hall Company LLC Number of Copies 5

Charts Mailed to 9431 E Central St #100 Wichita KS 67206

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 3474 I.D. Drill Pipe 3.8 Tool Joint Size 4 1/2 XH

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3525 Bottom Packer Depth 3530 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3530 TO 3572 ANCHOR LENGTH 42 TOTAL DEPTH 3572 Hole Size 7 7/8

LEASE & WELL NO. Russel Trust #1-3 FORMATION TESTED Tapoka TEST NO. 3

Mud Weight 9.1 Viscosity 55 Water Loss 8.8 Chlorides - Pits 1,300 D.S.T. 76,000

Maximum Temp. 109 °F Initial Hydrostatic Pressure (A) 1770 P.S.I. Final Hydrostatic Pressure (H) 1662 P.S.I.

Tool Open I.F.P. from 3:36 pm to 3:51 pm 15 min
 Tool Closed I.C.I.P. from 3:51 pm to 4:31 pm 60 min
 Tool Open F.F.P. from 4:51 pm to 5:21 pm 30 min
 Tool Closed F.C.I.P. from 5:21 pm to 6:21 pm 60 min

from [B] <u>94</u>	P.S.I. to [C] <u>127</u>	P.S.I.
[D] <u>1251</u>		P.S.I.
from [E] <u>140</u>	P.S.I. to [F] <u>293</u>	P.S.I.
[G] <u>1242</u>		P.S.I.

Initial Blow Strong Blow Bottom of Bucket in 8 min

Final Blow Strong Blow Bottom of Bucket in 9 min

Total Feet Recovered 480 feet fluid Total Gravity of Oil _____ Corrected

<u>120</u>	Feet of <u>water cut mud</u>	% Gas	% Oil <u>30</u>	% Mud <u>70</u>	% Water
<u>120</u>	Feet of <u>water cut mud</u>	% Gas	% Oil <u>30</u>	% Mud <u>70</u>	% Water
<u>20</u>	Feet of <u>water cut mud</u>	% Gas	% Oil <u>10</u>	% Mud <u>90</u>	% Water
<u>120</u>	Feet of <u>water cut mud</u>	% Gas	% Oil <u>5</u>	% Mud <u>95</u>	% Water
_____	Feet of _____	% Gas	% Oil _____	% Mud _____	% Water
_____	Feet of _____	% Gas	% Oil _____	% Mud _____	% Water
_____	Feet of _____	% Gas	% Oil _____	% Mud _____	% Water
_____	Feet of <u>Chlorides 76,000</u>	% Gas	% Oil _____	% Mud _____	% Water
_____	Feet of _____	% Gas	% Oil _____	% Mud _____	% Water

Remarks _____

Extra Equipment - Jars yes Safety Joint yes Extra Packer _____ Straddle _____ Hook Wall _____
 Top Recorder No. 4023 Clock No. Electron 6a Depth 3568 Cir. Sub _____ Sampler _____
 Bottom Recorder No. 3085 Clock No. 47441 Depth 3569 Insurance _____

Price of Job _____
 Tool Operator [Signature]
 Approved By [Signature]
 NO 14347

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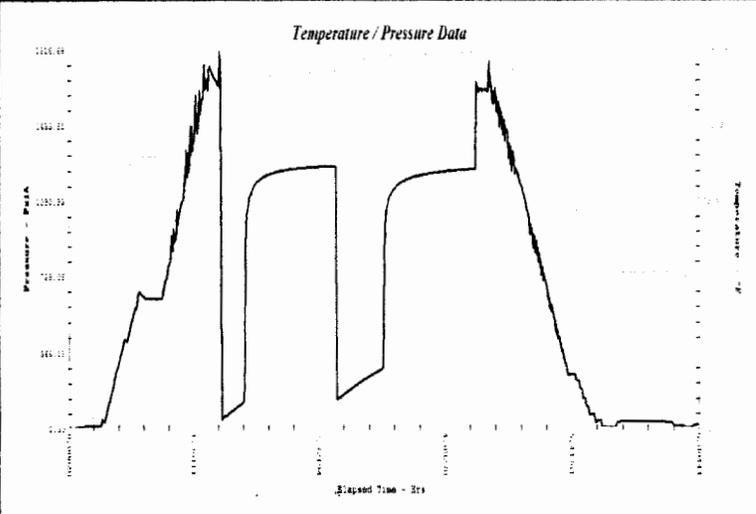
SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C Lease & Well No. RUSSEL TRUST 1-3 Test #: 3 Date: 2-7-07 SEC. 3 TWP. 25 RGE. 17



1	Initial Hydrostatic Pressure	1772
2	Initial Flow Pressure	44
3	Final Initial Flow Pressure	127
4	Initial Shut-In Pressure	1251
5	Initial Final Flow Pressure	140
6	Final Flow Pressure	293
7	Final Shut-In Pressure	1242
8	Final Hydrostatic Pressure	1662

Maximum Temperature 109

GENERAL INFORMATION

COMPANY NAME F.G HOLL COMPANY L.L.C	
TEST DATE 2/7/07	LEASE AND WELL NUMBER RUSSEL TRUST 1-3
SECTION-TOWN-RANGE 3-25-17W	FORMATION TESTED TOPEKA
STATE KANSAS	DRILL STEM TEST NUMBER 3
COUNTY EDWARDS	REPORT NUMBER 14347
ELEVATION GROUND LEVEL 2127	ELEVATION KELLY BUSHINGS 2138
COMPANY REPRESENTATIVE BILL REE	TESTING ENGINEER JARED SCHECK

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3530	TOP PACKER DEPTH 3525
TEST INTERVAL (to) 3572	BOTTOM PACKER DEPTH 3530
ANCHOR LENGTH 42	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 3572	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 3:36P	TOOL OPEN (from) 4:51
INITIAL OPEN TOOL OPEN (to) 3:51	FINAL OPEN TOOL OPEN (to) 5:21
DURATION (min.) 15	DURATION (min.) 30
TOOL CLOSED (from) 3:51	TOOL CLOSED (from) 5:21
INITIAL SHUT-IN TOOL CLOSED (to) 4:51	FINAL SHUT-IN TOOL CLOSED (to) 6:21P
DURATION (min.) 60	DURATION (min.) 60

INITIAL FLOW STRONG BLOW BOTTOM OF BUCKET IN 8 MIN

FINAL FLOW STRONG BLOW BOTTOM OF BUCKET IN 9 MIN

Feet of Recovery	RESISTIVITY	AT	DEGREES	CHLORIDES			
	RECOVERY DESCRIPTION			% GAS	% OIL	% MUD	% WATER
1) 120	WATER CUT MUD					30	70
2) 120	WATER CUT MUD					30	70
3) 120	WATER CUT MUD					10	90
4) 120	WATER CUT MUD					5	95
5)	CHLORIDES 76,000						

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	RUSSEL TRUST 1-3
TEST DATE	2/7/07	FORMATION TESTED	TOPEKA
SECTION-TOWN-RANGE	3-25-17W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	14347
COUNTY	EDWARDS	ELEVATION KELLY BUSHINGS	2138
ELEVATION GROUND LEVEL	2127	TESTING ENGINEER	JARED SCHECK
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

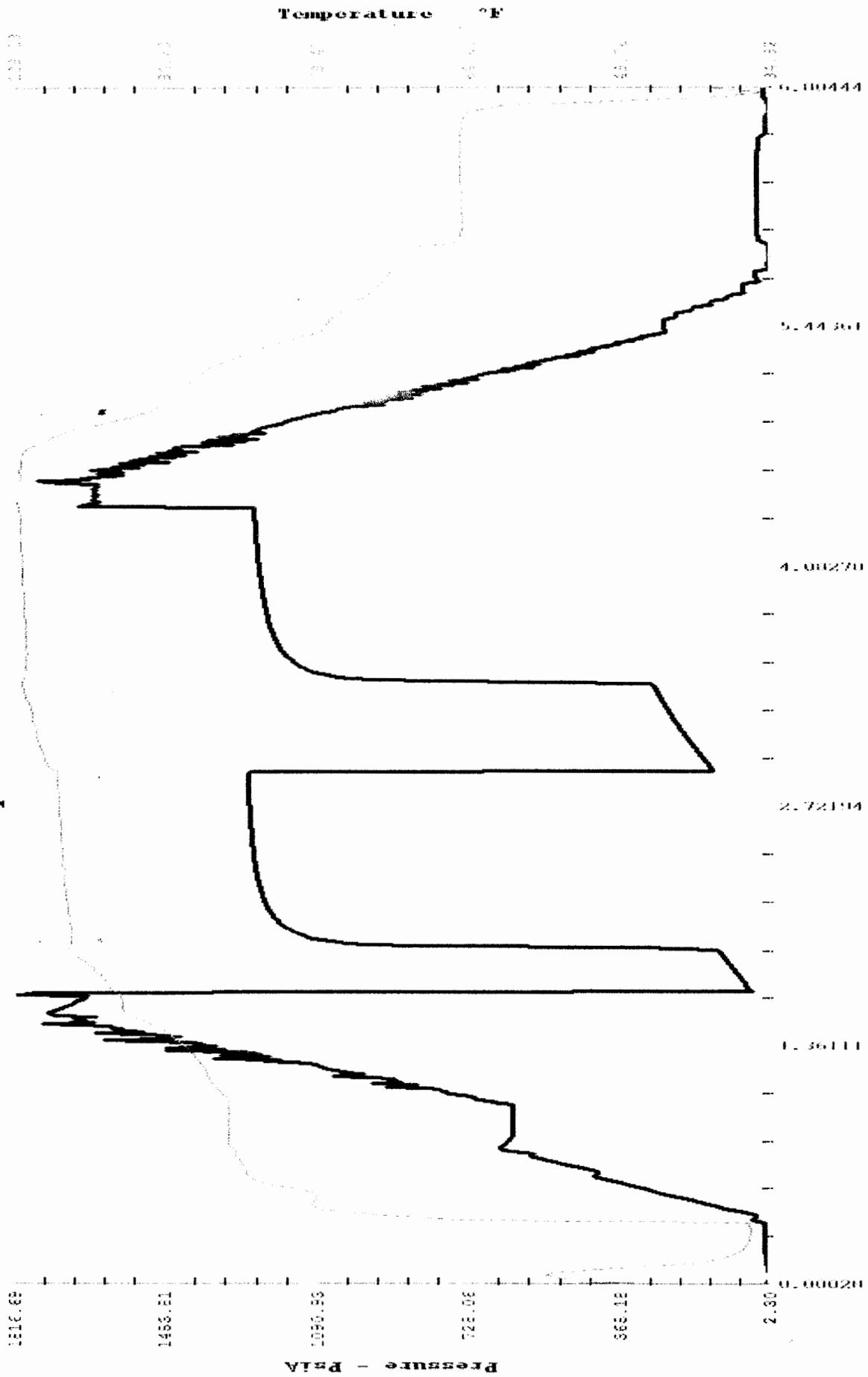
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	95 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	3568	BOTTOM RECORDER DEPTH	3569
RECORDER NUMBER	91971	RECORDER NUMBER	3875

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #1	DRILL COLLAR LENGTH	30
DRILL PIPE LENGTH	3474	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.		
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	55
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8.8
		CHLORIDES-PITS	6,300
		CHLORIDES-DST	76,000

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, inc.

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

(316) 792-6902 **KB 2138**

Date 2-9-07 Location 3-25-17w Elevation 2127 County Edward's

Company F. S. Hall Company LLC Number of Copies 5

Charts Mailed to 9431 E Central SW 1/4 100 Wichita, KS 67206

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 1084 I.D. Drill Pipe 3.8 Tool Joint Size 4 1/2 XH

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 4135 Bottom Packer Depth 4140 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 4140 TO 4166 ANCHOR LENGTH 26 TOTAL DEPTH 4166 Hole Size 7 7/8

LEASE & WELL NO. Russel Trust #1-B FORMATION TESTED Lansing zone TEST NO. 4

Mud Weight 9.5 Viscosity 48 Water Loss 10.2 Chlorides - Pits 7,700 D.S.T. 63,000

Maximum Temp. 116 °F Initial Hydrostatic Pressure (A) 2082 P.S.I. Final Hydrostatic Pressure (H) 1940 P.S.I.

Tool Open I.F.P. from 1:13 pm to 1:28 m 15 min

Tool Closed I.C.I.P. from 1:28 m to 1:58 m 30 min

Tool Open F.F.P. from 1:58 m to 2:13 m 15 min

Tool Closed F.C.I.P. from 2:13 m to 3:13 m 60 min

Initial Blow Fair Blow Built Leinchs into Bucket in 15 min

Final Blow Fair Blow Built 5 inchs into Bucket in 15 min

Total Feet Recovered 150 feet Slud Total Gravity of Oil _____ Corrected

30 Feet of Water cut mud % Gas _____ % Oil 30 % Mud 70 % Water

120 Feet of Water cut mud % Gas _____ % Oil 10 % Mud 90 % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

_____ Feet of Chlorides 63,000 % 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 yes Safety Joint yes Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4023 Clock No. Electron on Depth 4162 Cir. Sub _____ Sampler _____

Bottom Recorder No. 3088 Clock No. 99441 Depth 4163 Insurance _____

Price of Job _____

Tool Operator [Signature]

Approved By _____

NO 14348

from [B] <u>25</u> P.S.I. to [C] <u>67</u> P.S.I.
[D] <u>1360</u> P.S.I.
from [E] <u>47</u> P.S.I. to [F] <u>90</u> P.S.I.
[G] <u>1365</u> P.S.I.

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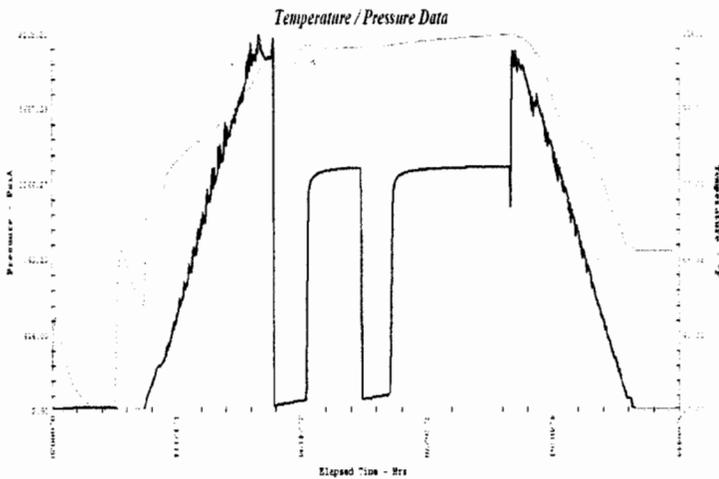
SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C Lease & Well No. RUSSEL TRUST 1-3 Test #: 4 Date: 2-9-07 SEC.
 3 TWP. 25 RGE. 17



1	Initial Hydrostatic Pressure	2082
2	Initial Flow Pressure	25
3	Final Initial Flow Pressure	61
4	Initial Shut-In Pressure	1360
5	Initial Final Flow Pressure	67
6	Final Flow Pressure	90
7	Final Shut-In Pressure	1365
8	Final Hydrostatic Pressure	1940

Maximum Temperature 116

GENERAL INFORMATION

COMPANY NAME		F.G HOLL COMPANY L.L.C	
TEST DATE	2/9/07	LEASE AND WELL NUMBER	RUSSEL TRUST 1-3
SECTION-TOWN-RANGE	3-25-17W	FORMATION TESTED	LANSING "J"
STATE	KANSAS	DRILL STEM TEST NUMBER	4
COUNTY	EDWARDS	REPORT NUMBER	14348
ELEVATION GROUND LEVEL	2127	ELEVATION KELLY BUSHINGS	2138
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	JARED SCHECK

TOOL SETTING INFORMATION

TEST INTERVAL (From)	4140	TOP PACKER DEPTH	4135
TEST INTERVAL (to)	4166	BOTTOM PACKER DEPTH	4140
ANCHOR LENGTH	26	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	4166	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

TOOL OPEN (from)	1:13	TOOL OPEN (from)	1:58
INITIAL OPEN TOOL OPEN (to)	1:28	FINAL OPEN TOOL OPEN (to)	2:13
DURATION (min.)	15	DURATION (min.)	15
TOOL CLOSED (from)	1:28	TOOL CLOSED (from)	2:13
INITIAL SHUT-IN TOOL CLOSED (to)	1:58	FINAL SHUT-IN TOOL CLOSED (to)	3:13
DURATION (min.)	30	DURATION (min.)	60

INITIAL FLOW FAIR BLOW BUILT 6 INCHS INTO BUCKET IN 15 MIN

FINAL FLOW FAIR BLOW BUILT 5 ICHS IN 15 MIN

Feet of Recovery	RESISTIVITY AT DEGREES		CHLORIDES			
	RECOVERY DESCRIPTION		% GAS	% OIL	% MUD	% WATER
1) 30	WATER CUT MUD				30	70
2) 120	WATER CUT MUD				10	90
3)						
4)	CHLORIDES 63,000					
5)						

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	..... RUSSEL TRUST 1-3
TEST DATE	..... 2/9/07	FORMATION TESTED	..... LANSING "J"
SECTION-TOWN-RANGE	..... 3-25-17W	DRILL STEM TEST NUMBER	..... 4
STATE	..... KANSAS	REPORT NUMBER	..... 14348
COUNTY	..... EDWARDS	ELEVATION KELLY BUSHINGS	..... 2138
ELEVATION GROUND LEVEL	..... 2127	TESTING ENGINEER	..... JARED SCHECK
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
	95 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	..... 4162	BOTTOM RECORDER DEPTH	..... 4163
RECORDER NUMBER	..... 91971	RECORDER NUMBER	..... 3875

WELL INFORMATION

DRILLING CONTRACTOR	..... DUKE DRILLING RIG # 1	DRILL COLLAR LENGTH	..... 30
DRILL PIPE LENGTH	..... 4084	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.		
WEIGHT PIPE LENGTH	.....	MUD WEIGHT #/GAL	..... 9.5
WEIGHT PIPE I.D.	..... 2.25	VISCOSITY	..... 48
TOOL JOINT SIZE	..... 4 1/2 X.H.	WATER LOSS	..... 10.2
		CHLORIDES-PITS	..... 7,700
		CHLORIDES-DST	..... 63,000

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 2-10-07 Location 3-25-17 Elevation 2127 County Edwards

Company S.S. Hall company LLC Number of Copies 5

Charts Mailed to 9431 E central Suite 100 Wichita KS 67206

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 4359 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars _____ I.D. Drill Collars _____ Tool Joint Size _____

Top Packer Depth 4373 Bottom Packer Depth 4378 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 4378 TO 4428 ANCHOR LENGTH 50 TOTAL DEPTH 4428 Hole Size 7 7/8

LEASE & WELL NO. Russel trust 1-3 FORMATION TESTED cheer-lee synd TEST NO. 5

Mud Weight 9.4 Viscosity 52 Water Loss 12.2 Chlorides - Pits 10,000 U.S.T.

Maximum Temp. 122 °F Initial Hydrostatic Pressure (A) 2214 P.S.I. Final Hydrostatic Pressure (H) 2128 P.S.I.

Tool Open I.F.P. from 5:30 A m to 5:35 A m 5 min

Tool Closed I.C.I.P. from 5:35 A m to 6:35 A m 60 min

Tool Open F.F.P. from 6:35 A m to _____ m _____ min

Tool Closed F.C.I.P. from _____ m to _____ m _____ min

Initial Blow Strong Blow gas to surface 2 min

Final Blow Strong Blow

Total Feet Recovered 60 Gravity of Oil _____ Corrected

60 Feet of Mud cut water % Gas _____ % Oil 30 % Mud 70 % 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 _____ Safety Joint _____ Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 91986 Clock No. etc Depth 4424 Cir. Sub _____ Sampler _____

Bottom Recorder No. 4337 Clock No. 5463 Depth 4425 Insurance _____

Price of Job _____

Tool Operator DAVID Nichols

Approved By NID 11349

from [B] <u>529</u> P.S.I. to [C] <u>609</u> P.S.I.
[D] <u>1366</u> P.S.I.
from [E] <u>841</u> P.S.I. to [F] <u>934</u> P.S.I.
[G] <u>1523</u> P.S.I.

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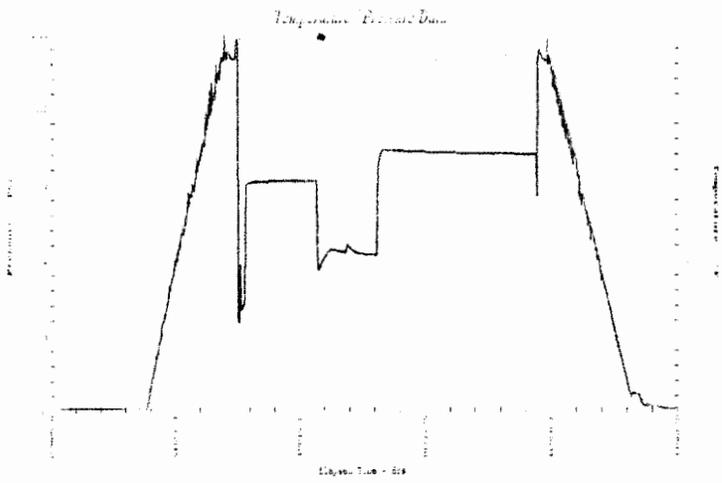
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. RUSSEL TRUST 1-3 Test #: 5 Date: 2-11-07 SEC. 3 TWP. 25 RGE. 17



1	Initial Hydrostatic Pressure	2216
2	Initial Flow Pressure	529
3	Final Initial Flow Pressure	609
4	Initial Shut-In Pressure	1366
5	Initial Final Flow Pressure	841
6	Final Flow Pressure	934
7	Final Shut-In Pressure	1523
8	Final Hydrostatic Pressure	2128

Maximum Temperature 122

GENERAL INFORMATION

COMPANY NAME F.G HOLL COMPANY L.L.C	
TEST DATE 2/11/07	LEASE AND WELL NUMBER RUSSEL TRUST 1-3
SECTION-TOWN-RANGE 42819	FORMATION TESTED CHEEREKEE SAND
STATE KANSAS	DRILL STEM TEST NUMBER 5
COUNTY EDWARDS	REPORT NUMBER 14349
ELEVATION GROUND LEVEL 2127	ELEVATION KELLY BUSHINGS
COMPANY REPRESENTATIVE BILL REE	TESTING ENGINEER DAVID NICHOLS

TOOL SETTING INFORMATION

TEST INTERVAL (From) 4378	TOP PACKER DEPTH 4373
TEST INTERVAL (to) 4428	BOTTOM PACKER DEPTH 4378
ANCHOR LENGTH 50	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 4428	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 5:30	TOOL OPEN (from) 6:35
INITIAL OPEN TOOL OPEN (to) 5:35	FINAL OPEN TOOL OPEN (to)
DURATION (min.) 5	DURATION (min.)
TOOL CLOSED (from) 5:35	TOOL CLOSED (from)
INITIAL SHUT-IN TOOL CLOSED (to) 6:35	FINAL SHUT-IN TOOL CLOSED (to)
DURATION (min.) 60	DURATION (min.)

INITIAL FLOW STRONG BLOW GAS TO SURFACE IN 2 MIN

FINAL FLOW STRONG BLOW

Feet of Recovery	RESISTIVITY AT DEGREES		CHLORIDES			
	RECOVERY DESCRIPTION		% GAS	% OIL	% MUD	% WATER
1) 60	MUD CUT WATER				30	70
2)						
3)						
4)						
5)						

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (785) 800-1792-8802

GENERAL INFORMATION

COMPANY NAME	ROY HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	RUSSEL TRUST 1-3
TEST DATE	2/11/07	FORMATION TESTED	CHEEREKEE SAND
SECTION-TOWN-RANGE	3/25/2017	DRILL STEM TEST NUMBER	5
STATE	KANSAS	REPORT NUMBER	14349
COUNTY	EDWARDS	ELEVATION KELLY BUSHINGS	
ELEVATION GROUND LEVEL	2127	TESTING ENGINEER	DAVID NICHOLS
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
	95	SAMPLER	NO
		GREAT BEND	
TOP RECORDER DEPTH	4424	BOTTOM RECORDER DEPTH	4425
RECORDER NUMBER	91971	RECORDER NUMBER	3875

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG#1	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	4359	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.		
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.4
WEIGHT PIPE I.D.	2.25	VISCOSITY	52
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	12.2
		CHLORIDES-PITS	10,000
		CHLORIDES-DST	

COMMENTS

SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

GAS FLOW RATE

(800) 792-6962

#

STATE..... KANSAS	Test Date 1/0/1900	
COUNTY..... EDWARDS	Sec Town Range #####	
FIELD.....	Report Number 14349	

Initial Flow

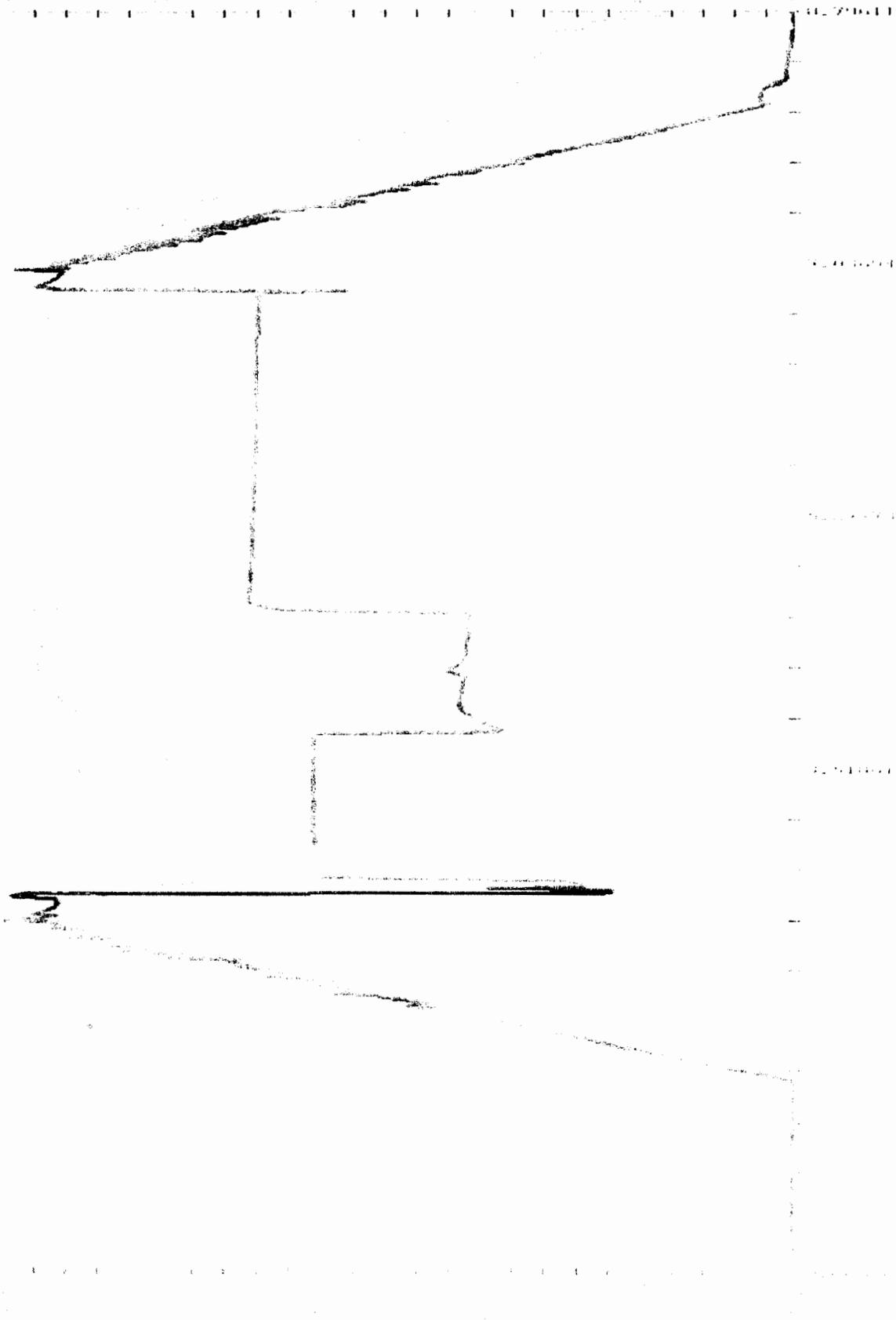
Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPEN AT 5:35 GAS TO SURFACE IN 2 MIN							

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 AT	6:55	20					4830.000
6:35	7:05	30					4830.000

Temperature / Pressure Plot

Temperature - °F



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 2-12-07 Location 3-25-17 Elevation 2127 County Edwards

Company F.G. Hall Company L.L.C Number of Copies 5

Charts Mailed to 9431 E Central Suite 100 Wichita KS 67204

Drilling Contractor Duke Rig #1

Length Drill Pipe 4381 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X H

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 X H

Top Packer Depth 4420 Bottom Packer Depth 4431 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 4431 TO 4470 ANCHOR LENGTH 39 TOTAL DEPTH 4470 Hole Size 7 7/8

LEASE & WELL NO. Russell trust 1-3 FORMATION TESTED Mississippian TEST NO. 6

Mud Weight 9.25 Viscosity 45 Water Loss 12.4 Chlorides - Pits 11,000 D.S.T. _____

Maximum Temp. 120 °F Initial Hydrostatic Pressure (A) 2233 S.I. Final Hydrostatic Pressure (H) 2090 P.S.I.

Tool Open I.F.P. from 10:35 p.m. to 10:45 p.m. 10 min

Tool Closed I.C.I.P. from 10:45 p.m. to 11:45 p.m. 60 min

Tool Open F.F.P. from 11:45 p.m. to 12:30 p.m. 45 min

Tool Closed F.C.I.P. from 12:30 p.m. to 2:00 p.m. 90 min

Initial Blow Strong Blow Bottom Bucket in 2 min gss to surface 9 min

Final Blow Strong Blow Bottom Bucket less 1 min

Total Feet Recovered 70 Gravity of Oil _____ Corrected _____

70 Feet of Mud % Gas _____ % Oil 100 % 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 _____ Safety Joint YES Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 9196 Clock No. etc Depth 4400 Cir. Sub _____ Sampler _____

Bottom Recorder No. 4337 Clock No. 2403 Depth 4407 Insurance _____

Price of Job _____

Tool Operator DAVID NICHOLS

Approved By _____ No. 14350

from [B] <u>33</u> P.S.I. to [C] <u>30</u> P.S.I.
[D] <u>935</u> P.S.I.
from [E] <u>39</u> P.S.I. to [F] <u>43</u> P.S.I.
[G] <u>1170</u> P.S.I.

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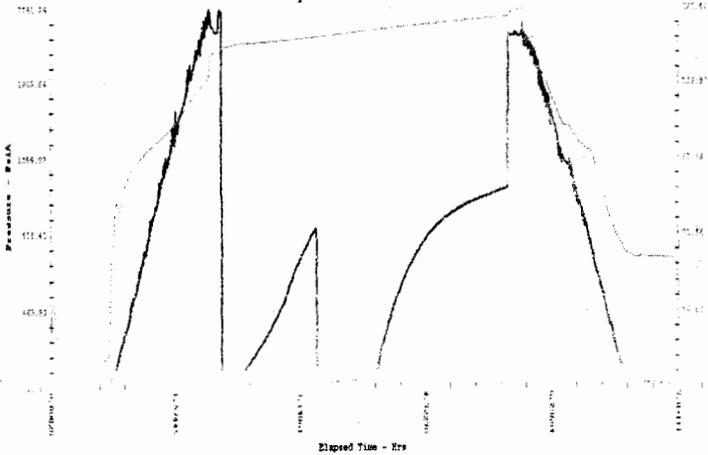
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DRILL STEM TEST REPORT

1(800)792-6902

GREAT BEND, KANSAS 67530

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	2233
2	Initial Flow Pressure	33
3	Final Initial Flow Pressure	36
4	Initial Shut-In Pressure	935
5	Initial Final Flow Pressure	39
6	Final Flow Pressure	43
7	Final Shut-In Pressure	1176
8	Final Hydrostatic Pressure	2090

Maximum Temperature 120

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. RUSSEL TRUST 1-3 Test #: 1 Date: 2-12-07 SEC. 3 TWP. 25 RGE. 17

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY L.L.C

TEST DATE 2/12/07

SECTION-TOWN-RANGE 42819

STATE KANSAS

COUNTY EDWARDS

ELEVATION GROUND LEVEL 2127

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER RUSSEL TRUST1-3

FORMATION TESTED MISSISSIPPIAN

DRILL STEM TEST NUMBER 6

REPORT NUMBER 14350

ELEVATION KELLY BUSHINGS

TESTING ENGINEER JARED SCHECK

TOOL SETTING INFORMATION

TEST INTERVAL (From) 4431

TEST INTERVAL (to) 4470

ANCHOR LENGTH 39

TOTAL DEPTH (ft) 4470

TOP PACKER DEPTH 4426

BOTTOM PACKER DEPTH 4431

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 10:35

INITIAL OPEN TOOL OPEN (to) 10:45

DURATION (min.) 10

TOOL CLOSED (from) 10:45

INITIAL SHUT-IN TOOL CLOSED (to) 11:45

DURATION (min.) 60

TOOL OPEN (from) 11:45

FINAL OPEN TOOL OPEN (to) 12:30

DURATION (min.) 45

TOOL CLOSED (from) 12:30

FINAL SHUT-IN TOOL CLOSED (to) 2:00

DURATION (min.) 90

INITIAL FLOW

STRONG BLOW BOTTOM OF BUCKET IN 2 MIN GAS TO SURFACE IN 4 MIN

FINAL FLOW

STRONG BLOW BOTTOM OF BUCKET IN LESS 1 MIN

Feet of Recovery	RESISTIVITY	AT	DEGREES	CHLORIDES			
	RECOVERY DESCRIPTION			% GAS	% OIL	% MUD	% WATER
1) 70	MUD					100	
2)							
3)							
4)							
5)							

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEEM TEST REPORT
GREAT BEND, KANSAS 67530 782-6502

GENERAL INFORMATION

COMPANY NAME	..... F.G.HOLL COMPANY L.L.C	LEASE AND WELL NUMBER	..... RUSSEL TRUST1-3
TEST DATE	..... 2/12/07	FORMATION TESTED	..... MISSISSIPIAN
SECTION-TOWN-RANGE	..... 3/25/2017	DRILL STEM TEST NUMBER	..... 6
STATE	..... KANSAS	REPORT NUMBER	..... 14350
COUNTY	..... EDWARDS	ELEVATION KELLY BUSHINGS	.....
ELEVATION GROUND LEVEL	..... 2127	TESTING ENGINEER	..... DAVID NICHOLS
COMPANY REPRESENTATIVE	..... BILL REE		

EXTRA EQUIPMENT

JARS	..... NO	EXTRA PACKER (3RD)	..... NO
SAFETY JOINT	..... YES	EXTRA PACKER (4TH)	..... NO
ELECTRONIC RECORDER	..... YES	STRADDLE	..... NO
CIRCULATING SUB	..... NO	HOCK WALL	..... NO
		SAMPLER	..... NO
	95 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	..... 4466	BOTTOM RECORDER DEPTH	..... 4467
RECORDER NUMBER	..... 91971	RECORDER NUMBER	..... 3875

WELL INFORMATION

DRILLING CONTRACTOR	..... DUKE RIG#1	DRILL COLLAR LENGTH	..... 30
DRILL PIPE LENGTH	..... 4381	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.		
WEIGHT PIPE LENGTH	.....	MUD WEIGHT #/GAL	..... 9.25
WEIGHT PIPE I.D.	..... 2.25	VISCOSITY	..... 45
TOOL JOINT SIZE	..... 4 1/2 X.H.	WATER LOSS	..... 12.4
		CHLORIDES-PITS	..... 11,000
		CHLORIDES-DST	.....

COMMENTS

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 Wichita KS 67206
 Lease & # Russel Trust 1-3 Sec. 3 Twp 17 Rng 25
 Date 2-13-2007 County Edwards Elevation 2127 G.L. _____ K.B. _____
 Drilling Contractor Pulte Rig #1
 Drill Pipe Length 4500 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 XH
 Drill Collar Length 30 I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2 XH
 Mud Weight 9.1 Viscosity 52 Filtrate 9.4 Chlorides-Pits 11,500 DST _____
 Top Packer Depth 4545 Bottom Packer Depth 4550 Number of Packers 2
 Tested From 4550 to 4610 Total Depth 4610 Anchor Length 60
 Test # 7 Formation Tested Viola Hole Size 7.718
 Initial Blow Very weak Blow 1/2 inch into water in 15 min
 Blow back on the 1st Shut-in _____
 Final Blow Very weak surface Blow

Blow back on the 2nd Shut-in _____

Initial Hydrostatic 2397 P.S.I. Final Hydrostatic 2272 P.S.I. Maximum Temp. 12.5 F

Initial Opening	<u>50</u> P.S.I. to <u>57</u> P.S.I.	from	<u>2:10</u> am to <u>2:25</u> am	<u>15</u> minutes
Initial Shut-in	<u>1495</u> P.S.I.	from	<u>2:25</u> m to <u>3:25</u> m	<u>60</u> minutes
Final Opening	<u>64</u> P.S.I. to <u>70</u> P.S.I.	from	<u>3:25</u> m to <u>3:40</u> m	<u>15</u> minutes
Final Shut-in	<u>1475</u> P.S.I.	from	<u>3:40</u> m to <u>4:40</u> m	<u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>75</u>	<u>Mud</u>			<u>100</u>	

Total Feet Recovered 75 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 _____ Safety Joint Yes Circulating Sub _____ Straddle _____
 Electronic Recorder No. 91984 Depth 4600 Extra Packer (3rd) _____ Hook Wall _____
 Bottom Recorder No. 4337 Depth 4607 Extra Packer (4th) _____ Sampler _____
 Tool Operator DAVID Nichols Approved By _____

Ticket No. 15101

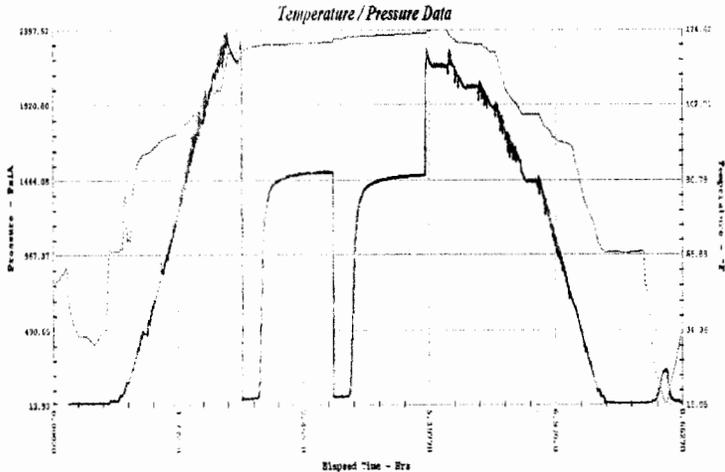
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G. HOLL COMPANY L.L.C Lease & Well No. RUSSEL TRUST 1-3 Test #: 7 Date: 2-13-07
 SEC. 3 TWP. 17 RGE. 25



- 1 Initial Hydrostatic Pressure 2397
- 2 Initial Flow Pressure 50
- 3 Final Initial Flow Pressure 57
- 4 Initial Shut-In Pressure 1495
- 5 Initial Final Flow Pressure 64
- 6 Final Flow Pressure 70
- 7 Final Shut-In Pressure 1475
- 8 Final Hydrostatic Pressure 2272

Maximum Temperature 125

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY L.L.C		LEASE AND WELL NUMBER RUSSEL TRUST 1-3
TEST DATE 2/13/07	FORMATION TESTED VIOLA	DRILL STEM TEST NUMBER 7
SECTION-TOWN-RANGE 45733	DRILL STEM TEST NUMBER 7	REPORT NUMBER 15101
STATE KANSAS	REPORT NUMBER 15101	ELEVATION KELLY BUSHINGS
COUNTY EDWARDS	ELEVATION KELLY BUSHINGS 	TESTING ENGINEER DAVID NICHOLS
ELEVATION GROUND LEVEL 2127	TESTING ENGINEER DAVID NICHOLS	
COMPANY REPRESENTATIVE BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From) 4550	TOP PACKER DEPTH 4545
TEST INTERVAL (to) 4610	BOTTOM PACKER DEPTH 4550
ANCHOR LENGTH 60	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 4610	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 2:10	TOOL OPEN (from) 3:25
INITIAL OPEN TOOL OPEN (to) 2:25	FINAL OPEN TOOL OPEN (to) 3:40
DURATION (min.) 15	DURATION (min.) 15
TOOL CLOSED (from) 2:25	TOOL CLOSED (from) 3:40
INITIAL SHUT-IN TOOL CLOSED (to) 3:25	FINAL SHUT-IN TOOL CLOSED (to) 4:40
DURATION (min.) 60	DURATION (min.) 60

INITIAL FLOW VERY WEAK BLOW BUILT TO 1/2 INCH INTO WATER IN 15 MIN

FINAL FLOW VERY WEAK SURFACE BLOW

Feet of Recovery	RESISTIVITY		AT	DEGREES	CHLORIDES			
	RECOVERY DESCRIPTION				% GAS	% OIL	% MUD	% WATER
76	75	MUD					100	
2)								
3)								
4)								
5)								

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.C.HOLL COMPANY L.L.C	LEASE AND WELL NUMBER	RUSSEL TRUST 1-3
TEST DATE	2/13/07	FORMATION TESTED	VIOLA
SECTION-TOWN-RANGE	3/17/2025	DRILL STEM TEST NUMBER	7
STATE	KANSAS	REPORT NUMBER	15101
COUNTY	EDWARDS	ELEVATION KELLY BUSHINGS	
ELEVATION GROUND LEVEL	2127	TESTING ENGINEER	DAVID NICHOLS
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

WELLS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	95 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	4606	BOTTOM RECORDER DEPTH	4607
RECORDER NUMBER	91971	RECORDER NUMBER	3875

WELL INFORMATION

DRILLING CONTRACTOR	DUKE RIG#1	DRILL COLLAR LENGTH	30
DRILL PIPE LENGTH	4500	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.		
WEIGHT PIPE LENGTH		MUD WEIGHT #GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	52
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	9.6
		CHLORIDES-PITS	11,500
		CHLORIDES-DST	

COMMENTS

SUPERIOR TESTERS ENTERPRISES L.L.C.

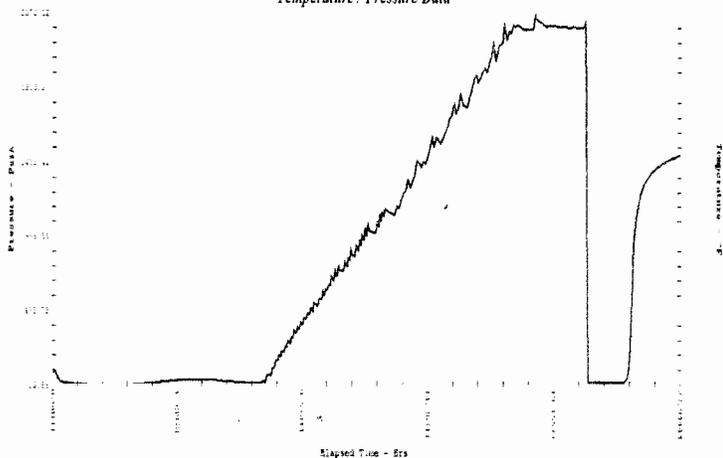
1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G.HOLL COMPANY L.L.C Lease & Well No. RUSSEL TRUST 1-3 Test #: 8 Date: 2-14-07 SEC. 3 TWP. 25 RGE. 17

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	2320
2	Initial Flow Pressure	39
3	Final Initial Flow Pressure	42
4	Initial Shut-In Pressure	1395
5	Initial Final Flow Pressure	44
6	Final Flow Pressure	50
7	Final Shut-In Pressure	1355
8	Final Hydrostatic Pressure	2270

Maximum Temperature 121

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY L.L.C

TEST DATE 2/14/07

SECTION-TOWN-RANGE 42819

STATE KANSAS

COUNTY EDWARDS

ELEVATION GROUND LEVEL 2127

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER RUSSEL TRUST 1-3

FORMATION TESTED VIOLA

DRILL STEM TEST NUMBER 8

REPORT NUMBER 15102

ELEVATION KELLY BUSHINGS

TESTING ENGINEER DAVID NICHOLS

TOOL SETTING INFORMATION

TEST INTERVAL (From) 4698

TEST INTERVAL (to) 4723

ANCHOR LENGTH 25

TOTAL DEPTH (ft) 4723

TOP PACKER DEPTH 4693

BOTTOM PACKER DEPTH 4698

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 5:10

INITIAL OPEN

TOOL OPEN (to) 5:25

FINAL OPEN

TOOL OPEN (from) 6:25

TOOL OPEN (to) 6:40

DURATION (min.) 15

DURATION (min.) 15

TOOL CLOSED (from) 5:25

INITIAL SHUT-IN TOOL CLOSED (to) 6:25

DURATION (min.) 60

TOOL CLOSED (from) 6:40

FINAL SHUT-IN

TOOL CLOSED (to) 7:40

DURATION (min.) 60

INITIAL FLOW

VERY WEAK BLOW BUILT TO 1/2 INCH INTO WATER

FINAL FLOW

VERY WEAK SURFACE BLOW

Feet of Recovery	RESISTIVITY	AT	DEGREES	CHLORIDES			
	RECOVERY DESCRIPTION			% GAS	% OIL	% MUD	% WATER
1) 55	MUD					100	
2)							
3)							
4)							
5)							

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	RUSSEL TRUST 1-3
TEST DATE	2/14/07	FORMATION TESTED	VIOLA
SECTION-TOWN-RANGE	3/25/2017	DRILL STEM TEST NUMBER	8
STATE	KANSAS	REPORT NUMBER	15102
COUNTY	EDWARDS	ELEVATION KELLY BUSHINGS	
ELEVATION GROUND LEVEL	2127	TESTING ENGINEER	DAVID NICHOLS
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	95 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	4719	BOTTOM RECORDER DEPTH	4720
RECORDER NUMBER	91971	RECORDER NUMBER	3875

WELL INFORMATION

DRILLING CONTRACTOR	DUKE RIG#1	DRILL COLLAR LENGTH	30
DRILL PIPE LENGTH	4649	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.		
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	46
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	10.8
		CHLORIDES-PITS	14,000
		CHLORIDES-DST	

COMMENTS