

F.G. Hall Co. LLC
Wind Feed Yard 1-19

19-21s-15w
15-145-21554

Superior Testers Enterprises L.L.C.

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

(800) 792-6902

Company F.G. Hall Company, LLC
Address 9431 E. Central Suite 100
Lease & # WARD FEED YARD # 1-19 Sec. 19 Twp 21 S Rng 15 W
Date 4 - 7 - 20 07 County PAWNEE Elevation 1972 G.L. 1981 K.B.
Drilling Contractor DUKE DRILLING COMPANY REG # 8
Drill Pipe Length 1945 I.D. of Drill Pipe _____ Tool Joint Size 4 1/2 XH
Drill Collar Length _____ I.D. of Drill Collars _____ Tool Joint Size _____
Mud Weight 9.5 Viscosity 44 Filtrate 11.2 Chlorides-Pits 80,000 DST # 1
Top Packer Depth 1966 Bottom Packer Depth 1971 Number of Packers 2
Tested From 1971 to 2011 Total Depth 2011 Anchor Length 40'
Test # 1 Formation Tested Winfield Hole Size 7 7/8
Initial Blow WEAK building blow built to 4 inches into the water
Blow back on the 1st Shut-in NO
Final Blow WEAK building blow built to 5 inches into the water
Blow back on the 2nd Shut-in NO
Initial Hydrostatic 983 P.S.I. Final Hydrostatic 961 P.S.I. Maximum Temp. 79 F

Initial Opening	<u>41</u> P.S.I. to <u>40</u> P.S.I.	from <u>1:55 p m</u> to <u>2:10 p m</u>	<u>15</u> minutes
Initial Shut-in	<u>575</u> P.S.I.	from <u>2:10 p m</u> to <u>2:40 p m</u>	<u>30</u> minutes
Final Opening	<u>42</u> P.S.I. to <u>55</u> P.S.I.	from <u>2:40 p m</u> to <u>3:10 p m</u>	<u>30</u> minutes
Final Shut-in	<u>571</u> P.S.I.	from <u>3:10 p m</u> to <u>4:10 p m</u>	<u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>62</u>	<u>mud with a slight stain of oil</u> <u>Between the tools</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 _____

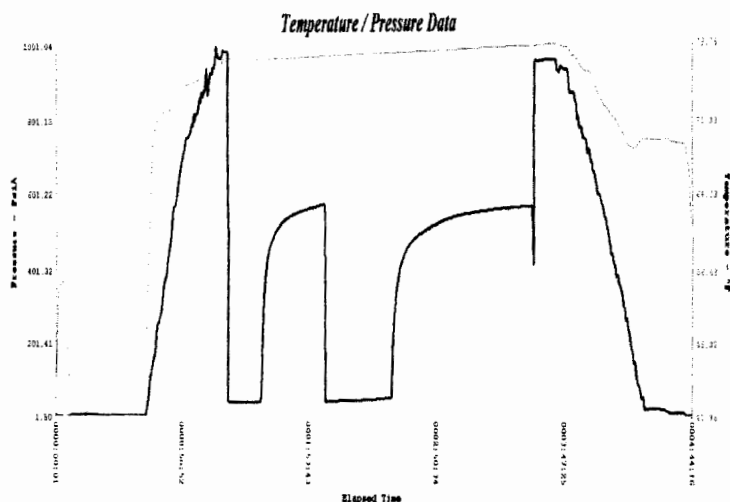
Extra Equipment-Jars Yes Safety Joint Yes Circulating Sub _____ Straddle _____
Electronic Recorder No. 91986 Depth 2007 Extra Packer (3rd) _____ Hook Wall _____
Bottom Recorder No. 5463 Depth 2008 Extra Packer (4th) _____ Sampler _____
Tool Operator [Signature] Approved By _____

SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	983
2	Initial Flow Pressure	41
3	Final Initial Flow Pressure	40
4	Initial Shut-In Pressure	575
5	Initial Final Flow Pressure	42
6	Final Flow Pressure	55
7	Final Shut-In Pressure	571
8	Final Hydrostatic Pressure	961

Maximum Temperature 79

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC

TEST DATE 4/7/07

SECTION-TOWN-RANGE 19-21S-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1972

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER WARD FEED YARD "A"

FORMATION TESTED WINFIELD

DRILL STEM TEST NUMBER 1

REPORT NUMBER 15125

ELEVATION KELLY BUSHINGS 1981

TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 1971

TEST INTERVAL (to) 2011

ANCHOR LENGTH 40

TOTAL DEPTH (ft) 2011

TOP PACKER DEPTH 1966

BOTTOM PACKER DEPTH 1971

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 1:55

TOOL OPEN (to) 2:10

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 2:10

TOOL CLOSED (to) 2:40

FINAL OPEN

TOOL OPEN (from) 2:40

TOOL OPEN (to) 3:10

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 3:10

TOOL CLOSED (to) 4:10

Comp ny: FG HOLL COMPANY LLC Lease & Well No. WARD FEED YARD #1-19 Test #: 1
19 T NP. 21S RGE. 15W

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	WARD FEED YARD A #1-19
TEST DATE	4/7/07	FORMATION TESTED	WINFIELD
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	15125
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	2007	BOTTOM RECORDER DEPTH	2008
RECORDER NUMBER	91986	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING COMPANY RIG #8		
DRILL PIPE LENGTH	1945	DRILL COLLAR LENGTH	
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.

COMMENTS

Recovery Sample Description

Great Bend, Kansas 67530

Drill Pipe	I.D.	Feet	Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	62	MUD WITH A SLIGHT SHOW OF OIL BETWEEN THE TOOLS					0.8804
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
Drill Collars	I.D.		Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000	
	2.25							0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
Total Recovery	62	Feet	Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000	Total
			Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
			Total bbls Recovered	0.0000	0.0000	0.0000	0.0000	0.8804
				Gas	Oil	Mud	Water	
MUD WEIGHT #/GAL	9.5		Resistivity		ohms @		Degrees	
VISCOSITY	44		Recovery Chlorides		ppm			
WATER LOSS	11.2		Pit Chlorides	80,000	ppm			
			4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W	WARD FEED YARD "A"	DST#1	WINFIELD				

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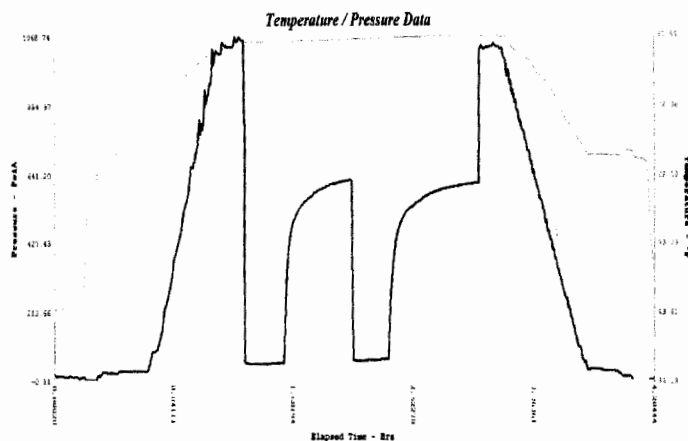
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1054
2	Initial Flow Pressure	53
3	Final Initial Flow Pressure	55
4	Initial Shut-In Pressure	621
5	Initial Final Flow Pressure	65
6	Final Flow Pressure	67
7	Final Shut-In Pressure	616
8	Final Hydrostatic Pressure	1036

Maximum Temperature 82

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC

TEST DATE 4/8/07

SECTION-TOWN-RANGE 19-21S-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1972

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER WARD FEED YARD A 1-

FORMATION TESTED FORT RILEY

DRILL STEM TEST NUMBER 2

REPORT NUMBER 15151

ELEVATION KELLY BUSHINGS 1981

TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2060

TEST INTERVAL (to) 2123

ANCHOR LENGTH 63

TOTAL DEPTH (ft) 2123

TOP PACKER DEPTH 2055

BOTTOM PACKER DEPTH 2060

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 3:40

TOOL OPEN (to) 3:55

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 3:55

TOOL CLOSED (to) 4:25

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 4:25

TOOL OPEN (to) 4:40

DURATION (min.) 15

FINAL SHUT-IN

TOOL CLOSED (from) 4:40

TOOL CLOSED (to) 5:10

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO 5" INTO THE WATER

FINAL FLOW

WEAK SURFACE BLOW BUILT TO 4" INTO THE WATER

Company: FG HOLL COMPANY LLC
19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD A 1-19 Test #: 2 Date: 4-8-07

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	WARD FEED YARD A 1-19
TEST DATE	4/8/07	FORMATION TESTED	FORT RILEY
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	15151
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	2120	BOTTOM RECORDER DEPTH	2121
RECORDER NUMBER	91986	RECORDER NUMBER	5463

WELL INFORMATION

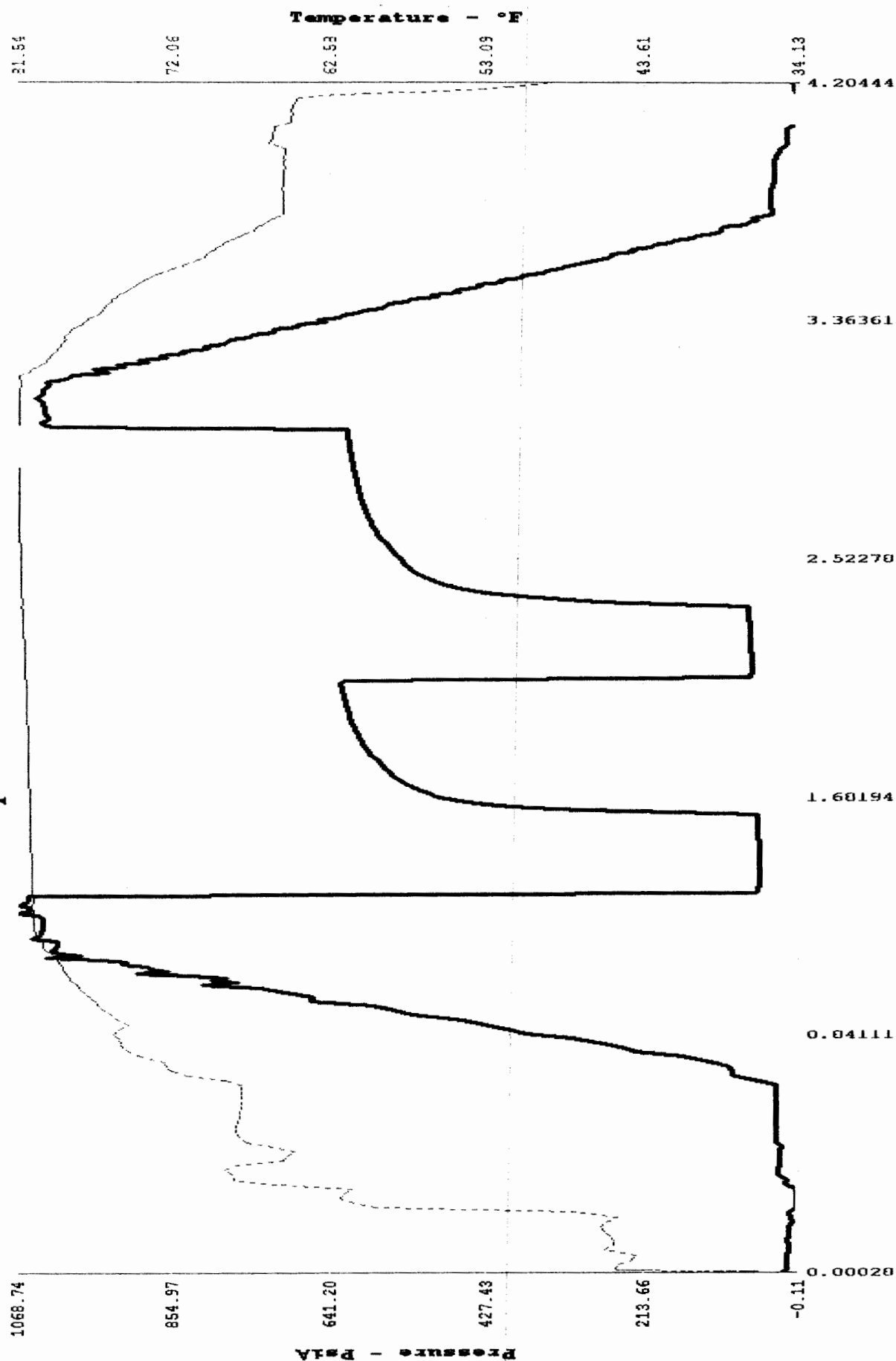
DRILLING CONTRACTOR	DUKE DRILLING RIG # 8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2034	DRILL COLLAR I.D.	2.25
DRILL PIPE I.D.	3.8	TOOL JOINT SIZE	4 1/2 X.H.
TOOL JOINT SIZE	4 1/2 X.H.		

COMMENTS

Great Bend, Kansas 67530

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Temperature / Pressure Data



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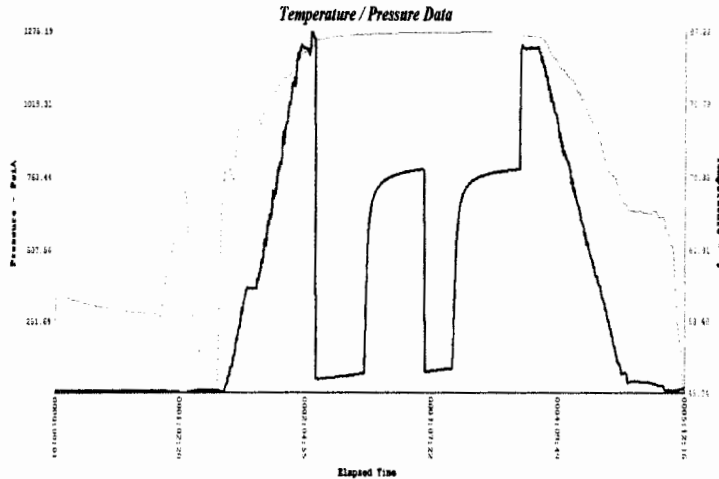
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1250
2	Initial Flow Pressure	45
3	Final Initial Flow Pressure	65
4	Initial Shut-In Pressure	792
5	Initial Final Flow Pressure	72
6	Final Flow Pressure	82
7	Final Shut-In Pressure	1205
8	Final Hydrostatic Pressure	1220

Maximum Temperature 87

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC

TEST DATE 4/9/07

SECTION-TOWN-RANGE 19-21S-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1972

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER WARD FEED YARD A

FORMATION TESTED COTTONWOOD

DRILL STEM TEST NUMBER 3

REPORT NUMBER 15152

ELEVATION KELLY BUSHINGS 1981

TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2378

TEST INTERVAL (to) 2437

ANCHOR LENGTH 59

TOTAL DEPTH (ft) 2437

TOP PACKER DEPTH 2373

BOTTOM PACKER DEPTH 2378

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 1:00

TOOL OPEN (to) 1:15

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 1:15

TOOL CLOSED (to) 1:45

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 1:45

TOOL OPEN (to) 2:00

DURATION (min.) 15

FINAL SHUT-IN

TOOL CLOSED (from) 2:00

TOOL CLOSED (to) 2:30

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO 5 INCHES INTO THE WATER

FINAL FLOW

WEAK SURFACE BLOW BUILT TO 5 INCHES INTO THE WATER

Company: FG HOLL COMPANY LLC
19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD A #1-19 Test #: 3 Date: 4-9-07 SEC.

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	WARD FEED YARD A #1-19
TEST DATE	4/9/07	FORMATION TESTED	COTTONWOOD
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	15152
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	2433	BOTTOM RECORDER DEPTH	2434
RECORDER NUMBER	91986	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2352	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.		

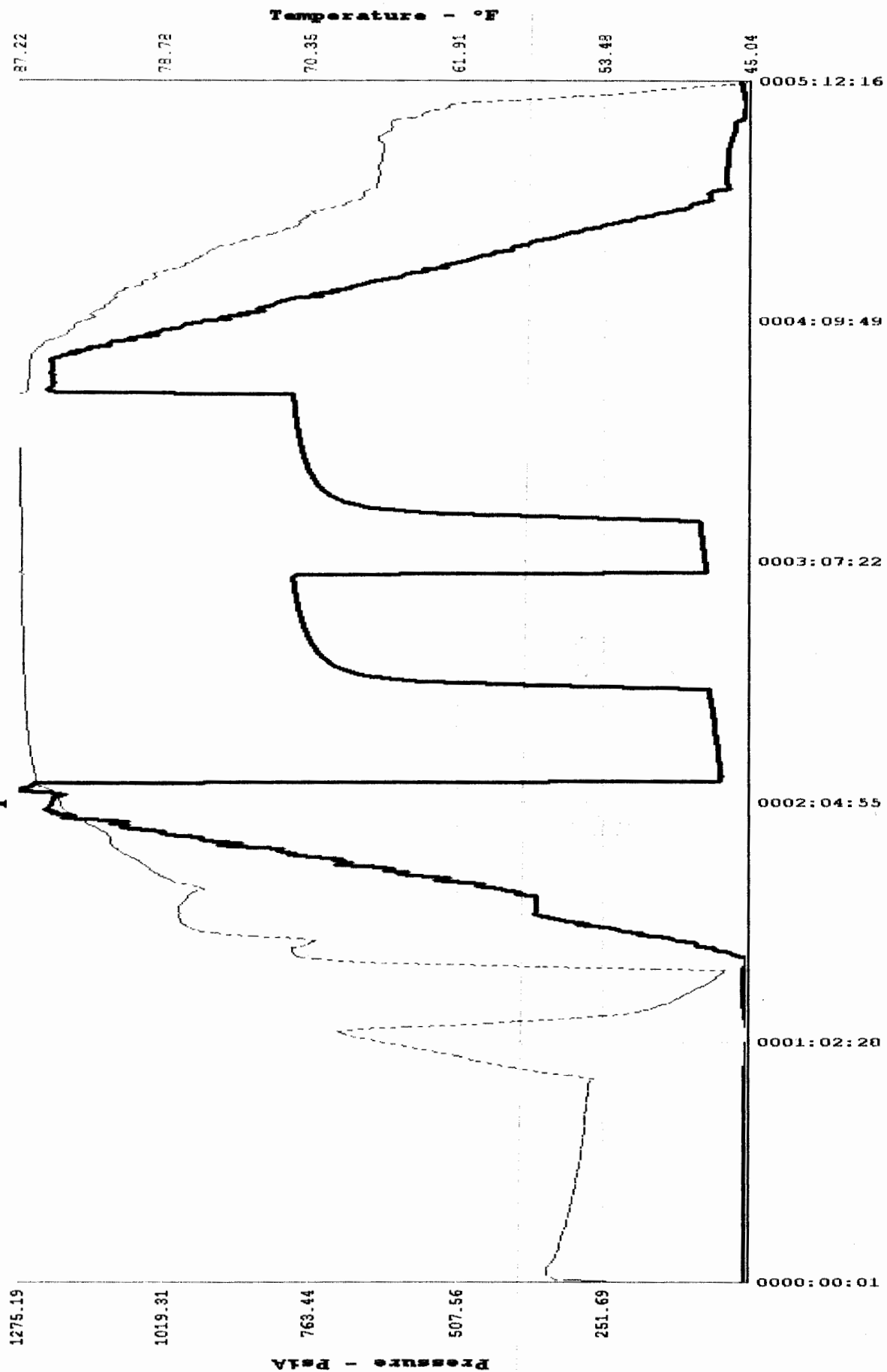
COMMENTS

Recovery Sample Description

Great Bend, Kansas 67530

Drill Pipe	I.D.	Feet		Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	90	DRILLING MUD						1.2780
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Drill Collars	I.D.			Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000	
	2.25								0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Total Recovery	90	Feet		Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000	Total
				Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
				Total bbls Recovered	0.0000	0.0000	0.0000	0.0000	1.2780
					Gas	Oil	Mud	Water	
MUD WEIGHT #GAL	9.4			Resistivity		ohms @		Degrees	
VISCOSITY	39			Recovery Chlorides		ppm			
WATER LOSS	12.4			Pit Chlorides	64,000	ppm			
				4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W			WARD FEED YARD "A"	DST#3	COTTONWOOD			

Temperature / Pressure Data



Superior Testers Enterprises L.L.C.

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

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Company FG Hall Company LLC
Address 9431 E Company, Suite 100 Wichita KS 67205
Lease & # WARD Feed Yard #1-19 Sec. 19 Twp 21S Rng 15W
Date 4-10-2007 County PAWNEE Elevation 1972 G.L. 1981 K.B.
Drilling Contractor DUKE DRILLING RIG #8
Drill Pipe Length 2424 I.D. of Drill Pipe _____ Tool Joint Size 4 1/2 X 14
Drill Collar Length _____ I.D. of Drill Collars _____ Tool Joint Size _____
Mud Weight 9.6 Viscosity 56 Filtrate 12.4 Chlorides-Pits 64,000 DST 4
Top Packer Depth 2435 Bottom Packer Depth 2440 Number of Packers 2
Tested From 2440 to 2515 Total Depth 2515 Anchor Length 65
Test # 4 Formation Tested RED EAGLE Hole Size 7 7/8
Initial Blow WEAK surface blow built to 1/2" into the water & then decreased to very top of water. Blow back on the 1st Shut-in NO
Final Blow Very weak surface blow through bit Blow back on the 2nd Shut-in NO
Initial Hydrostatic 1267 P.S.I. Final Hydrostatic 1237 P.S.I. Maximum Temp. 85 F

Initial Opening	<u>48</u> P.S.I. to <u>48</u> P.S.I.	from	<u>2:45</u> pm to	<u>3:00</u> pm	<u>15</u> minutes
Initial Shut-in	<u>492</u> P.S.I.	from	<u>3:00</u> pm to	<u>3:30</u> pm	<u>30</u> minutes
Final Opening	<u>51</u> P.S.I. to <u>51</u> P.S.I.	from	<u>3:30</u> pm to	<u>3:45</u> pm	<u>15</u> minutes
Final Shut-in	<u>517</u> P.S.I.	from	<u>3:45</u> pm to	<u>4:15</u> pm	<u>30</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>36</u> <u>TS</u>	<u>Drillerc mud</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 2511 Extra Packer (3rd) _____ Hook Wall _____
Bottom Recorder No. 5463 Depth 2512 Extra Packer (4th) _____ Sampler _____
Tool Operator Larry Puck Approved By _____

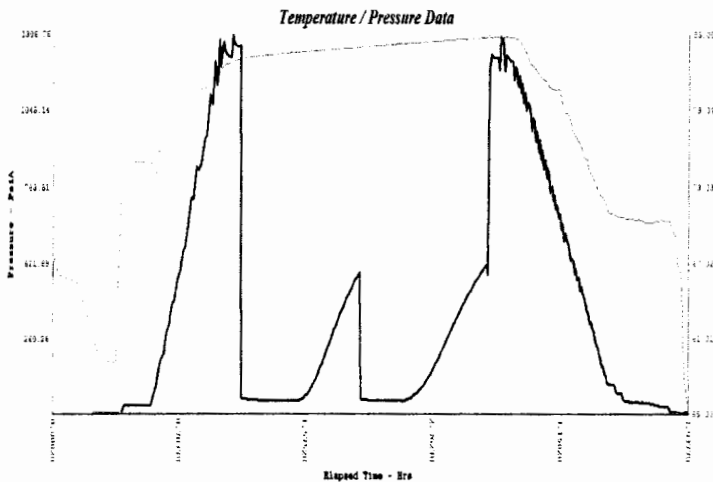
Ticket No. 15153

SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1267
2	Initial Flow Pressure	48
3	Final Initial Flow Pressure	48
4	Initial Shut-In Pressure	492
5	Initial Final Flow Pressure	51
6	Final Flow Pressure	51
7	Final Shut-In Pressure	517
8	Final Hydrostatic Pressure	1237

Maximum Temperature 85

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY	
TEST DATE 4/10/07	LEASE AND WELL NUMBER WARD FEED YARD A
SECTION-TOWN-RANGE 19-21S-15W	FORMATION TESTED RED EAGLE
STATE KANSAS	DRILL STEM TEST NUMBER 4
COUNTY PAWNEE	REPORT NUMBER 15153
ELEVATION GROUND LEVEL 1972	ELEVATION KELLY BUSHINGS 1981
COMPANY REPRESENTATIVE BILL REE	TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2440	TOP PACKER DEPTH 2435
TEST INTERVAL (to) 2515	BOTTOM PACKER DEPTH 2440
ANCHOR LENGTH 65	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 2515	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN		FINAL OPEN	
TOOL OPEN (from) 2:45		TOOL OPEN (from) 3:30	
TOOL OPEN (to) 3:00		TOOL OPEN (to) 3:45	
DURATION (min.) 15		DURATION (min.) 15	
INITIAL SHUT-IN		FINAL SHUT-IN	
TOOL CLOSED (from) 3:00		TOOL CLOSED (from) 3:45	
TOOL CLOSED (to) 3:30		TOOL CLOSED (to) 4:15	
DURATION (min.) 30		DURATION (min.) 30	

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO HALF INCH INTO THE WATER
AND THEN DECREASED BACK TO SURFACE

FINAL FLOW

VERY WEAK SURFACE BLOW THROUGHOUT

Company: FG HOLL COMPANY LLC
19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD #1-19 Test #: 4 Date: 4-10-07 SEC.

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	WARD FEED YARD A #1-19
TEST DATE	4/10/07	FORMATION TESTED	RED EAGLE
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	15153
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	2511	BOTTOM RECORDER DEPTH	2512
RECORDER NUMBER	91986	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2424	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

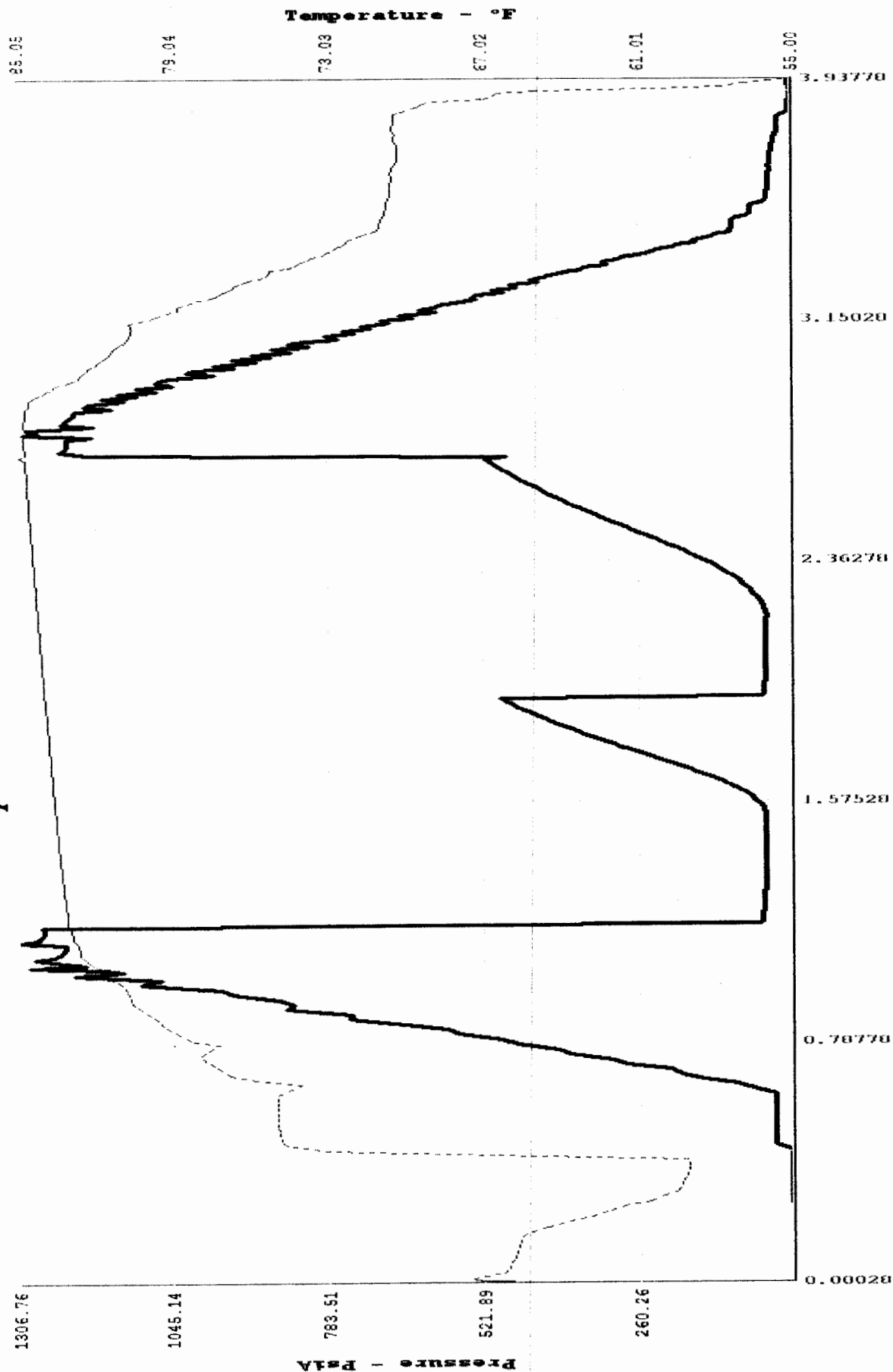
Recovery Sample Description

1-800-792-6902

Great Bend, Kansas 67530

Drill Pipe	I.D.	Feet	Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	15	drilling					0.2130
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
Drill Collars	I.D.		Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000	
	2.25							0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
Total Recovery	15	Feet	Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000	Total
			Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
			Total bbls Recovered	0.0000	0.0000	0.0000	0.0000	0.2130
				Gas	Oil	Mud	Water	
							Degrees	
MUD WEIGHT #/GAL	9.6		Resistivity	ohms @				
VISCOSITY	56		Recovery Chlorides	ppm				
WATER LOSS	12.4		Pit Chlorides	ppm				
			4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W		WARD FEED YARD A 1-19	DST#4	RED EAGLE			

Temperature / Pressure Data



Superior Testers Enterprises L.L.C.

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

(800) 792-6902

Company FG Hall Company LLC
Address 9431 Central Suite 100 Wichita, KS
Lease & # WARD FEED YARD #1-19 Sec. 19 Twp 21S Rng 15W
Date 4-11-2007 County PAWNEE Elevation 1972 G.L. 1981 K.B.
Drilling Contractor DUKE DRILLING RIG #8
Drill Pipe Length 2718 I.D. of Drill Pipe _____ Tool Joint Size 4 1/2 XH
Drill Collar Length _____ I.D. of Drill Collars _____ Tool Joint Size _____
Mud Weight 8.8 Viscosity 54 Filtrate 8.8 Chlorides-Pits 7,800 DST 5
Top Packer Depth 2739 Bottom Packer Depth 2744 Number of Packers 2
Tested From 2744 to 2852 Total Depth 2852 Anchor Length 108
Test # 5 Formation Tested LANGDON + WILLARD SAND Hole Size 7 7/8
Initial Blow Weak Surface Blow built to 1/2" into the water
Blow back on the 1st Shut-in No
Final Blow VERY WEAK SURFACE BLOW

Blow back on the 2nd Shut-in No
Initial Hydrostatic 1369 P.S.I. Final Hydrostatic 1317 P.S.I. Maximum Temp. 90 F

Initial Opening <u>60</u> P.S.I. to <u>63</u> P.S.I. from <u>6:00 pm</u> to <u>6:15 pm</u> <u>15</u> minutes
Initial Shut-in <u>83</u> P.S.I. from <u>6:15 pm</u> to <u>6:45 pm</u> <u>30</u> minutes
Final Opening <u>60</u> P.S.I. to <u>62</u> P.S.I. from <u>6:45 pm</u> to <u>7:00 pm</u> <u>15</u> minutes
Final Shut-in <u>87</u> P.S.I. from <u>7:00 pm</u> to <u>7:30 pm</u> <u>30</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>10</u>	<u>Drilling Mud</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 2848 Extra Packer (3rd) Hook Wall
Bottom Recorder No. 5463 Depth 2849 Extra Packer (4th) Sampler
Tool Operator Ray R Approved By _____

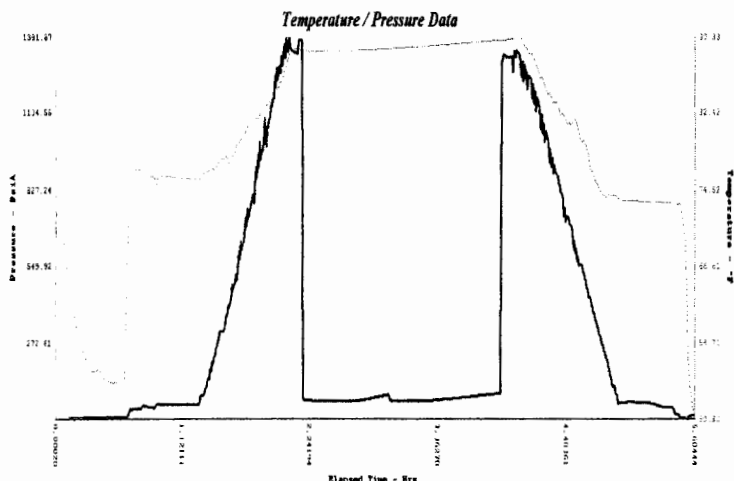
Ticket No. 15154

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1369
2	Initial Flow Pressure	61
3	Final Initial Flow Pressure	63
4	Initial Shut-In Pressure	83
5	Initial Final Flow Pressure	60
6	Final Flow Pressure	62
7	Final Shut-In Pressure	87
8	Final Hydrostatic Pressure	1317

Maximum Temperature 90

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC	
TEST DATE 4/10/07	LEASE AND WELL NUMBER WARD FEED YARD A
SECTION-TOWN-RANGE 19-21S-15W	FORMATION TESTED LANGDON & WILLARD
STATE KANSAS	DRILL STEM TEST NUMBER 5
COUNTY PAWNEE	REPORT NUMBER 15154
ELEVATION GROUND LEVEL 1972	ELEVATION KELLY BUSHINGS 1981
COMPANY REPRESENTATIVE BILL REE	TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2744	TOP PACKER DEPTH 2739
TEST INTERVAL (to) 2852	BOTTOM PACKER DEPTH 2744
ANCHOR LENGTH 108	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 2852	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

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

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO HALF INCH INTO THE WATER

FINAL FLOW

VERY WEAK SURFACE BLOW

Company: FG HOLL COMPANY LLC
SEC. 19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD "A" #1-19 Test #: 5 Date: 4-10-07

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	WARD FEED YARD A #1-19
TEST DATE	4/10/07	FORMATION TESTED	LANGDON & WILLARD SAND
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	5
STATE	KANSAS	REPORT NUMBER	15154
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	2848	BOTTOM RECORDER DEPTH	2849
RECORDER NUMBER	91986	RECORDER NUMBER	5463

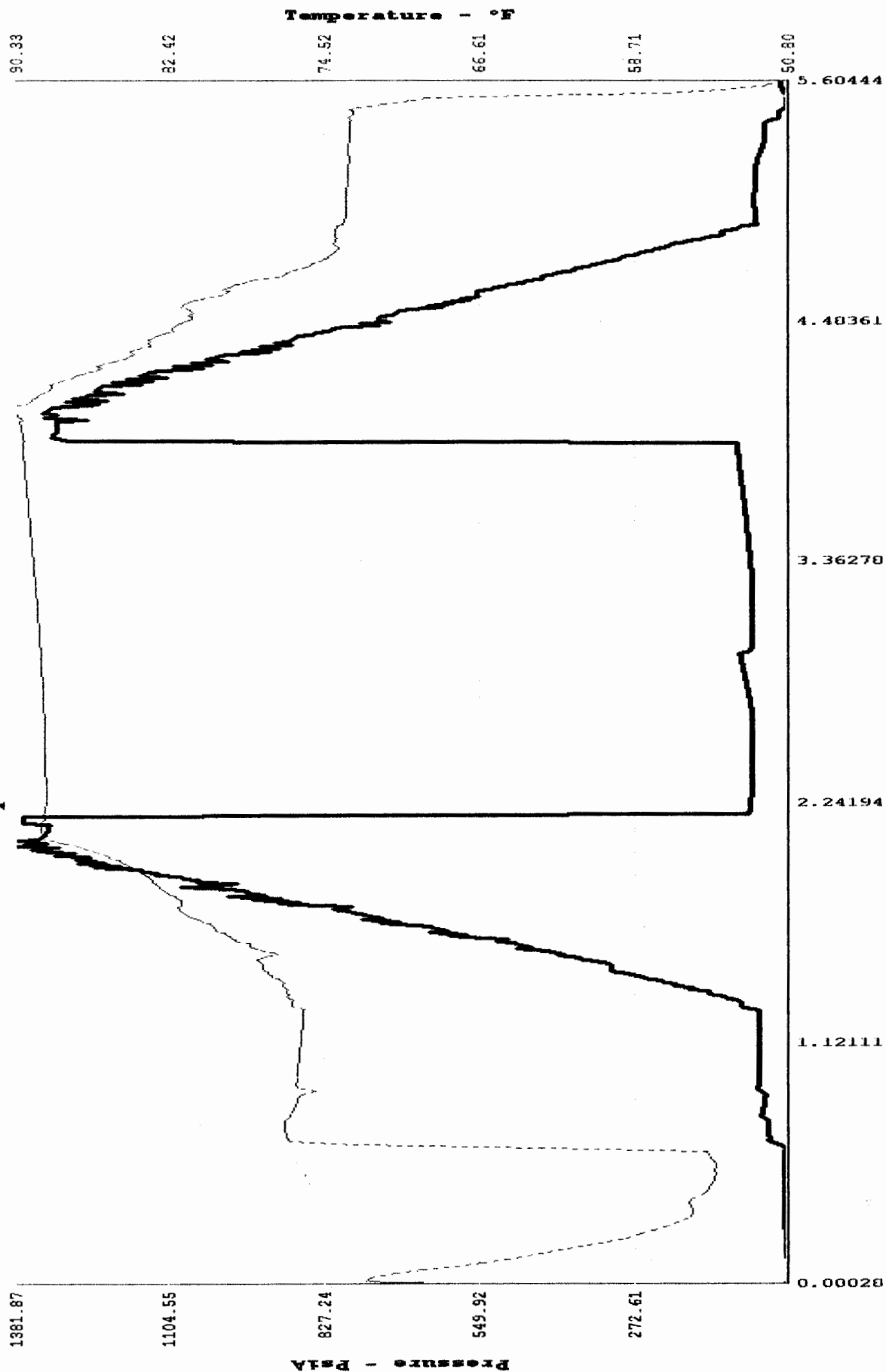
WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2718	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

Drill Pipe	I.D.	Feet		Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	10	DRILLING MUD						0.1420
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Drill Collars	I.D.			Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000	
	2.25								0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Total Recovery		10	Feet	Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000	Total
				Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
				Total bbls Recovered	0.0000	0.0000	0.0000	0.0000	0.1420
					Gas	Oil	Mud	Water	
MUD WEIGHT #/GAL		8.8		Resistivity		ohms @		Degrees	
VISCOSITY		54		Recovery Chlorides		ppm			
WATER LOSS		8.8		Pit Chlorides	7,800	ppm			
				4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W	WARD FEED YARD "A"	4-10-07	DST #5	LANGDON & WILLARD SD.				

Temperature / Pressure Data



(800) 792-6902

Initial Opening	P.S.I. to	47	P.S.I.	from	10 : 45 A m	to	11 : 00 A m	15	minutes
Initial Shut-in	P.S.I.	1026	P.S.I.	from	11 : 00 A m	to	11 : 30 A m	30	minutes
Final Opening	P.S.I. to	53	P.S.I.	from	11 : 30 A m	to	11 : 45 A m	15	minutes
Final Shut-in	P.S.I.	1019	P.S.I.	from	11 : 45 A m	to	12 : 15 P m	30	minutes

[illegible]

Extra Equipment-Jars Yes Safety Joint Yes Circulating Sub — Straddle —
Electronic Recorder No. 91986 Depth 2945 Extra Packer (3rd) — Hook Wall —
Bottom Recorder No 5463 Depth 2946 Extra Packer (4th) — Sampler —
Tool Operator Long Frank Approved By —

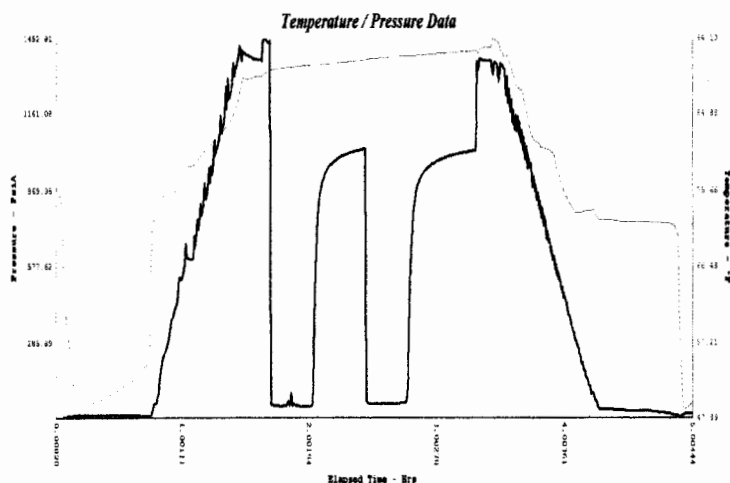
Ticket No. 15155

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1442
2	Initial Flow Pressure	46
3	Final Initial Flow Pressure	47
4	Initial Shut-In Pressure	1026
5	Initial Final Flow Pressure	51
6	Final Flow Pressure	53
7	Final Shut-In Pressure	1019
8	Final Hydrostatic Pressure	1371

Maximum Temperature 94

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC	
TEST DATE 4/11/07	LEASE AND WELL NUMBER WARD FEED YARD A
SECTION-TOWN-RANGE 19-21S-15W	FORMATION TESTED TARKIO
STATE KANSAS	DRILL STEM TEST NUMBER 6
COUNTY PAWNEE	REPORT NUMBER 15155
ELEVATION GROUND LEVEL 1972	ELEVATION KELLY BUSHINGS 1981
COMPANY REPRESENTATIVE BILL REE	TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2913	TOP PACKER DEPTH 2908
TEST INTERVAL (to) 2949	BOTTOM PACKER DEPTH 2913
ANCHOR LENGTH 36	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 2949	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN		FINAL OPEN	
TOOL OPEN (from) 10:45		TOOL OPEN (from) 11:30	
TOOL OPEN (to) 11:00		TOOL OPEN (to) 11:45	
DURATION (min.) 15		DURATION (min.) 15	
INITIAL SHUT-IN		FINAL SHUT-IN	
TOOL CLOSED (from) 11:00		TOOL CLOSED (from) 11:45	
TOOL CLOSED (to) 11:30		TOOL CLOSED (to) 12:15	
DURATION (min.) 30		DURATION (min.) 30	

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO 2 INCHES INTO THE WATER

FINAL FLOW

WEAK SURFACE BLOW BUILT TO 2 INCHES INTO THE WATER

Company: FG HOLL COMPANY LLC
19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD #1-19 Test #: 6 Date: 4-11-07 SEC.

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	WARD FEED YARD #1-19
TEST DATE	4/11/07	FORMATION TESTED	TARKIO
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	6
STATE	KANSAS	REPORT NUMBER	15155
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	2945	BOTTOM RECORDER DEPTH	2946
RECORDER NUMBER	91986	RECORDER NUMBER	5463

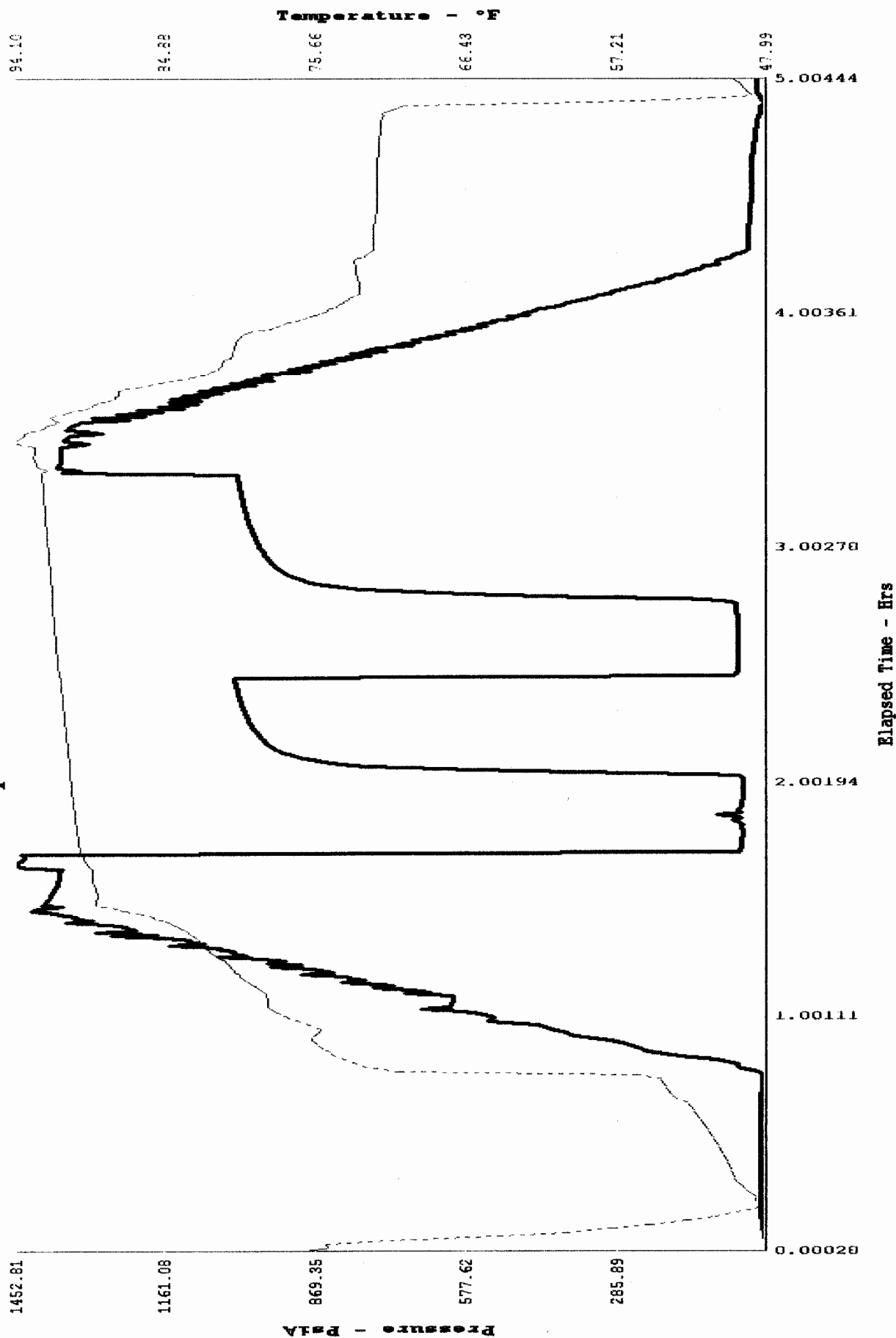
WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2887	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

Drill Pipe	I.D.	Feet		Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	60	DRILLING MUD						0.8520
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Drill Collars	I.D.			Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000	
	2.25								0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Total Recovery		60	Feet	Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000	Total
				Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
				Total bbls Recovered	0.0000	0.0000	0.0000	0.0000	0.8520
					Gas	Oil	Mud	Water	
MUD WEIGHT #/GAL	8.8			Resistivity		ohms @		Degrees	
VISCOSITY	54			Recovery Chlorides		ppm			
WATER LOSS	8.8			Pit Chlorides	7,800	ppm			
				4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W	WARD FEED YARD "A"	4-11-07	DST #6	TARKIO				

Temperature / Pressure Data



Superior Testers Enterprises L.L.C.

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

(800) 792-6902

Company FC Hall Company LLC
Address 9431 E. Central Suite 100 Wichita, KS
Lease & # WARD FORD YARD #4-19 Sec. 19 Twp 21S Rng 15W
Date 4-13-20 County PAWNEE Elevation 1972 G.L. 1981 K.B.
Drilling Contractor DAKE DRILLING RIG #8
Drill Pipe Length 3464 I.D. of Drill Pipe _____ Tool Joint Size 4 1/2 X 1 1/2
Drill Collar Length _____ I.D. of Drill Collars _____ Tool Joint Size _____
Mud Weight 9.0 Viscosity 54 Filtrate 8.0 Chlorides-Pits 11,000 DST 7
Top Packer Depth 3485 Bottom Packer Depth 3490 Number of Packers 2
Tested From 3490 to 3537 Total Depth 3537 Anchor Length 47
Test # 7 Formation Tested LANSDOWN B.C.D Hole Size 7 7/8
Initial Blow Weak blow built to 1 INCH into the water
Blow back on the 1st Shut-in NO
Final Blow WEAK BLOW BUILT TO 1 inch into the water
Blow back on the 2nd Shut-in NO
Initial Hydrostatic 1655 P.S.I. Final Hydrostatic 1642 P.S.I. Maximum Temp. _____ F

Initial Opening <u>32</u> P.S.I. to <u>35</u> P.S.I. from <u>5:25 A m</u> to <u>5:40 A m</u> <u>15</u> minutes
Initial Shut-in <u>76</u> P.S.I. from <u>5:40 A m</u> to <u>6:10 A m</u> <u>30</u> minutes
Final Opening <u>35</u> P.S.I. to <u>35</u> P.S.I. from <u>6:10 A m</u> to <u>6:40 A m</u> <u>30</u> minutes
Final Shut-in <u>76</u> P.S.I. from <u>6:40 A m</u> to <u>7:40 A m</u> <u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>10</u>	<u>DRILLING MUD</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. 23856 Depth 3533 Extra Packer (3rd) _____ Hook Wall _____
Bottom Recorder No. 5463 Depth 3534 Extra Packer (4th) _____ Sampler _____
Tool Operator Long Creek Approved By _____

Ticket No. 15156

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

1	Initial Hydrostatic Pressure	1655
2	Initial Flow Pressure	32
3	Final Initial Flow Pressure	35
4	Initial Shut-In Pressure	76
5	Initial Final Flow Pressure	35
6	Final Flow Pressure	35
7	Final Shut-In Pressure	76
8	Final Hydrostatic Pressure	1642

Maximum Temperature

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC

TEST DATE 4/13/07

SECTION-TOWN-RANGE 19-21S-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1972

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER WARD FEED YARD A

FORMATION TESTED LANSING B, C, & D

DRILL STEM TEST NUMBER 7

REPORT NUMBER 15156

ELEVATION KELLY BUSHINGS 1981

TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3490

TEST INTERVAL (to) 3537

ANCHOR LENGTH 47

TOTAL DEPTH (ft) 3537

TOP PACKER DEPTH 3485

BOTTOM PACKER DEPTH 3490

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 5:25

TOOL OPEN (to) 5:40

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 5:40

TOOL CLOSED (to) 6:10

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 6:10

TOOL OPEN (to) 6:40

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 6:40

TOOL CLOSED (to) 7:40

DURATION (min.) 60

INITIAL FLOW

WEAK BLOW BUILT TO 1 INCH INTO THE WATER

FINAL FLOW

WEAK BLOW BUILT TO 1 INCH INTO THE WATER

Company: FG HOLL COMPANY LLC
19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD #1-19 Test #: 7 Date: 4-13-07 SEC.

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	WARD FEED YARD A #1-19
TEST DATE	4/13/07	FORMATION TESTED	LANSING B, C, & D
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	7
STATE	KANSAS	REPORT NUMBER	15156
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	3533	BOTTOM RECORDER DEPTH	3534
RECORDER NUMBER	23856	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3464	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

Recovery Sample Description

Great Bend, Kansas 67530

[illegible]

(800) 792-6902

Initial Opening	<u>156</u> P.S.I. to <u>139</u> P.S.I.	from <u>9:40</u> a.m. to <u>10:10</u> a.m.	<u>30</u> minutes
Initial Shut-in	<u>1015</u> P.S.I.	from <u>10:10</u> a.m. to <u>11:10</u> a.m.	<u>60</u> minutes
Final Opening	<u>159</u> P.S.I. to <u>163</u> P.S.I.	from <u>11:10</u> a.m. to <u>11:40</u> a.m.	<u>30</u> minutes
Final Shut-in	<u>1002</u> P.S.I.	from <u>11:40</u> a.m. to <u>12:40</u> a.m.	<u>60</u> minutes

[illegible]

Comments _____

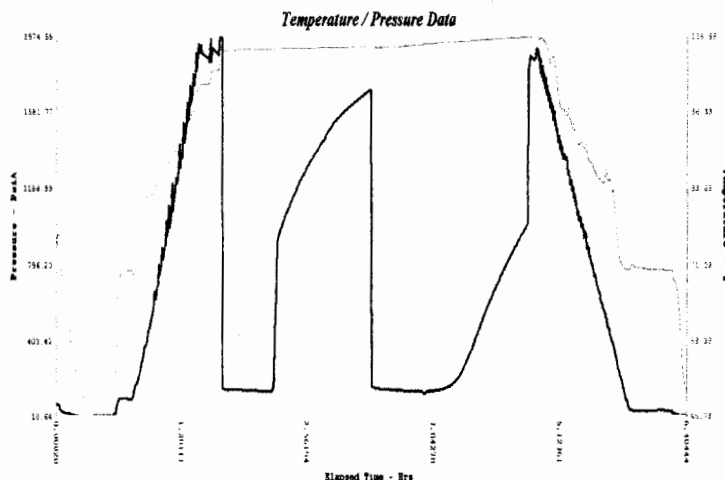
Ticket No. 15157

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1966
2	Initial Flow Pressure	156
3	Final Initial Flow Pressure	139
4	Initial Shut-In Pressure	1015
5	Initial Final Flow Pressure	159
6	Final Flow Pressure	163
7	Final Shut-In Pressure	1002
8	Final Hydrostatic Pressure	1810

Maximum Temperature 108

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC

TEST DATE 4/14/07

SECTION-TOWN-RANGE 19-21S-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1972

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER WARD FEED YARD A

FORMATION TESTED CONGLOMERATE

DRILL STEM TEST NUMBER 8

REPORT NUMBER 15157

ELEVATION KELLY BUSHINGS 1981

TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3706

TEST INTERVAL (to) 3790

ANCHOR LENGTH 84

TOTAL DEPTH (ft) 3790

TOP PACKER DEPTH 3701

BOTTOM PACKER DEPTH 3706

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 9:40

TOOL OPEN (to) 10:10

DURATION (min.) 30

INITIAL SHUT-IN

TOOL CLOSED (from) 10:10

TOOL CLOSED (to) 11:10

DURATION (min.) 60

FINAL OPEN

TOOL OPEN (from) 11:10

TOOL OPEN (to) 11:40

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 11:40

TOOL CLOSED (to) 12:40

DURATION (min.) 60

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO 2 INCHES INTO THE WATER

FINAL FLOW

VERY WEAK SURFACE BLOW FOR 12 MINUTES AND THEN DIED

Company: FG HOLL COMPANY LLC
19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD #1-19 Test #: 8 Date: 4-14-07 SEC.

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	WARD FEED YARD A #1-19
TEST DATE	4/14/07	FORMATION TESTED	CONGLOMERATE
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	8
STATE	KANSAS	REPORT NUMBER	15156
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3786	BOTTOM RECORDER DEPTH	3787
RECORDER NUMBER	23836	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3680	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.		

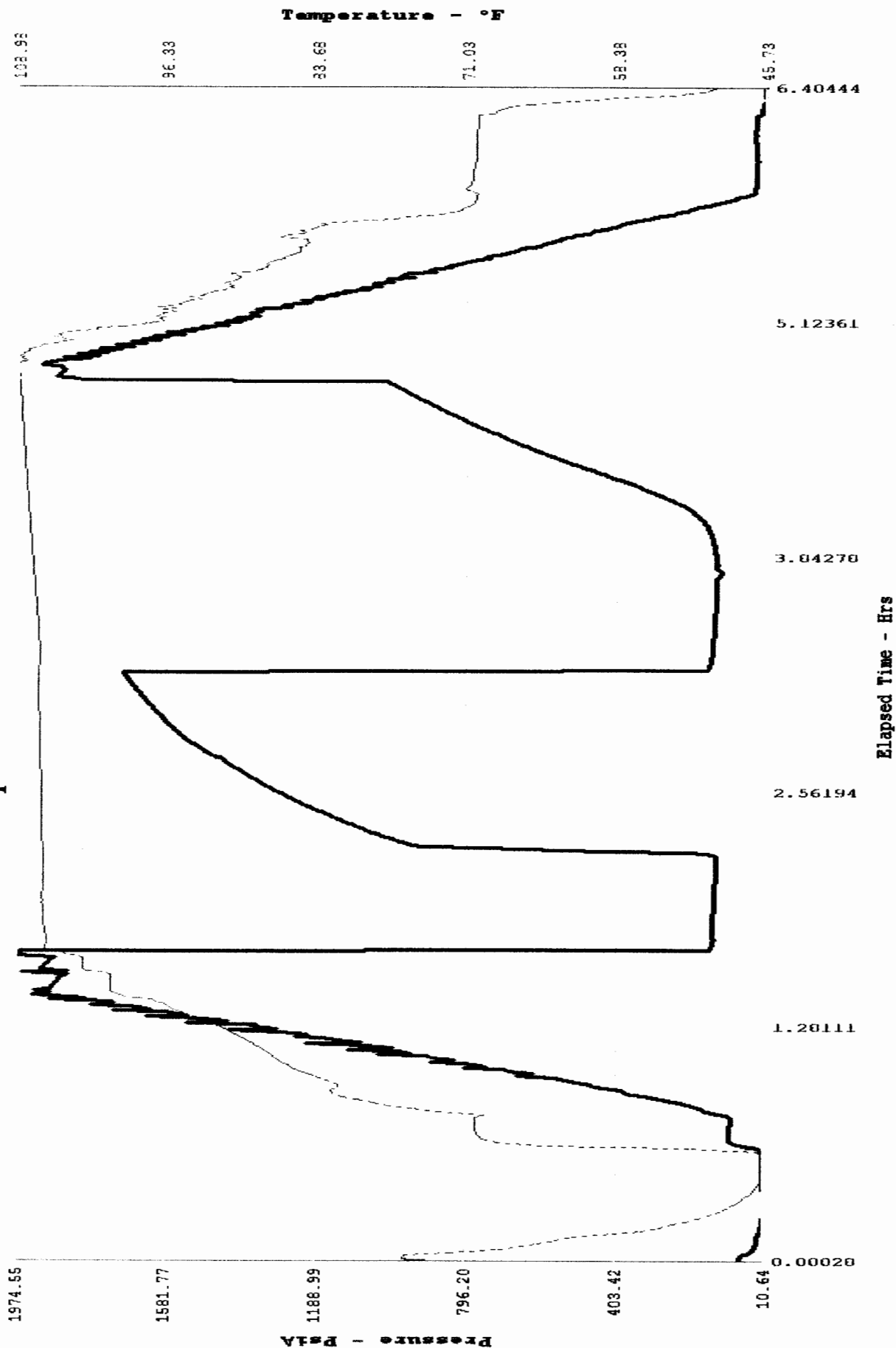
COMMENTS

Recovery Sample Description

Great Bend, Kansas 67530

Drill Pipe	I.D.	Feet		Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	30	DRILLING MUD						0.4260
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Drill Collars	I.D.			Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000	
	2.25								0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Total Recovery	30	Feet		Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000	Total
				Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
				Total bbls Recovered	0.0000	0.0000	0.0000	0.0000	0.4260
					Gas	Oil	Mud	Water	
MUD WEIGHT #/GAL	9.2			Resistivity		ohms @		Degrees	
VISCOSITY	66			Recovery Chlorides		ppm			
WATER LOSS	10.2			Pit Chlorides	8,000	ppm			
				4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W			WARD FEED YARD "A"	4-14-07	DST #8			CONGLOMERATE

Temperature / Pressure Data



Superior Testers Enterprises L.L.C.

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

(800) 792-6902

Company FCG Hall Company LLC
Address 9431 E. Central Suite, 100 Wichita, KS
Lease & # Ward Feed Yard #1-18 Sec. 19 Twp 21S Rng 15W
Date 4-15-2007 County PAWNEE Elevation 1972 G.L. 1981 K.B.
Drilling Contractor DUKE DRILLING RIG #8
Drill Pipe Length 3767 I.D. of Drill Pipe _____ Tool Joint Size 4 1/2 X 4
Drill Collar Length _____ I.D. of Drill Collars _____ Tool Joint Size _____
Mud Weight 9.2 Viscosity 66 Filtrate 10.2 Chlorides-Pits 8,000 DST 9
Top Packer Depth 3788 Bottom Packer Depth 3793 Number of Packers 2
Tested From 3793 to 3825 Total Depth 3825 Anchor Length 32
Test # 9 Formation Tested Viola Hole Size 7 7/8
Initial Blow WEAK SURFACE BLOW BUILT TO 2 INCH INTO THE
WATER. Blow back on the 1st Shut-in NO
Final Blow VERY WEAK SURFACE BLOW THROUGHOUT
Blow back on the 2nd Shut-in NO
Initial Hydrostatic 1937 P.S.I. Final Hydrostatic 1853 P.S.I. Maximum Temp. 106 F

Initial Opening <u>126</u> P.S.I. to <u>102</u> P.S.I. from <u>3:10 A m</u> to <u>3:40 A m</u> <u>30</u> minutes
Initial Shut-in <u>116</u> P.S.I. from <u>3:40 A m</u> to <u>4:40 A m</u> <u>60</u> minutes
Final Opening <u>120</u> P.S.I. to <u>100</u> P.S.I. from <u>4:40 A m</u> to <u>5:10 A m</u> <u>30</u> minutes
Final Shut-in <u>123</u> P.S.I. from <u>5:10 A m</u> to <u>6:10 A m</u> <u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
15	Drilling 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 _____

Extra Equipment-Jars YES Safety Joint YES Circulating Sub — Straddle —
Electronic Recorder No. 23836 Depth 3822 Extra Packer (3rd) — Hook Wall —
Bottom Recorder No. 5463 Depth 3821 Extra Packer (4th) — Sampler —
Tool Operator Larry French Approved By _____

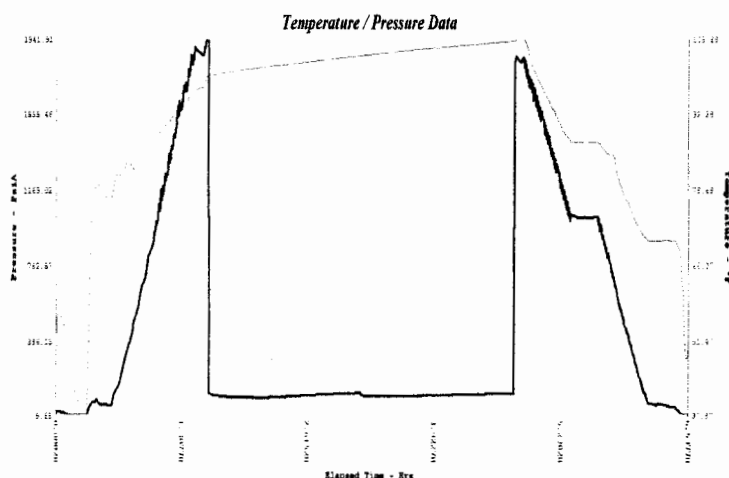
Ticket No. 15158

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1937
2	Initial Flow Pressure	126
3	Final Initial Flow Pressure	102
4	Initial Shut-In Pressure	116
5	Initial Final Flow Pressure	120
6	Final Flow Pressure	108
7	Final Shut-In Pressure	123
8	Final Hydrostatic Pressure	1853

Maximum Temperature 106

GENERAL INFORMATION

COMPANY NAME	 FG HOLL COMPANY LLC	LEASE AND WELL NUMBER	 WARD FEED YARD A
TEST DATE	 4/15/07	FORMATION TESTED	 VIOLA
SECTION-TOWN-RANGE	 19-21-07	DRILL STEM TEST NUMBER	 9
STATE	 KANSAS	REPORT NUMBER	 15158
COUNTY	 PAWNEE	ELEVATION KELLY BUSHINGS	 1981
ELEVATION GROUND LEVEL	 1972	TESTING ENGINEER	 COREY FRENCH
COMPANY REPRESENTATIVE	 BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	 3793	TOP PACKER DEPTH	 3788
TEST INTERVAL (to)	 3825	BOTTOM PACKER DEPTH	 3793
ANCHOR LENGTH	 32	NUMBER OF PACKERS	 2
TOTAL DEPTH (ft)	 3825	PACKER SIZE	 6 3/4
		HOLE SIZE	 7 7/8

FLOW TIMES

INITIAL OPEN		FINAL OPEN	
TOOL OPEN (from)	 3:10	TOOL OPEN (from)	 4:40
TOOL OPEN (to)	 3:40	TOOL OPEN (to)	 5:10
DURATION (min.)	 30	DURATION (min.)	 30
INITIAL SHUT-IN		FINAL SHUT-IN	
TOOL CLOSED (from)	 3:40	TOOL CLOSED (from)	 5:10
TOOL CLOSED (to)	 4:40	TOOL CLOSED (to)	 6:10
DURATION (min.)	 60	DURATION (min.)	 60

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO 1 INCH INTO THE WATER

FINAL FLOW

VERY WEAK SURFACE BLOW THROUGHOUT

Company: FG HOLL COMPANY LLC
19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD A #1-19 Test #: 9 Date: 4-15-07 SEC.

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	WARD FEED YARD A #1-19
TEST DATE	4/15/07	FORMATION TESTED	VIOLA
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	9
STATE	KANSAS	REPORT NUMBER	15158
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
COMPANY REPRESENTATIVE	BILLREE		

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
	35 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3822	BOTTOM RECORDER DEPTH	3823
RECORDER NUMBER	91986	RECORDER NUMBER	5463

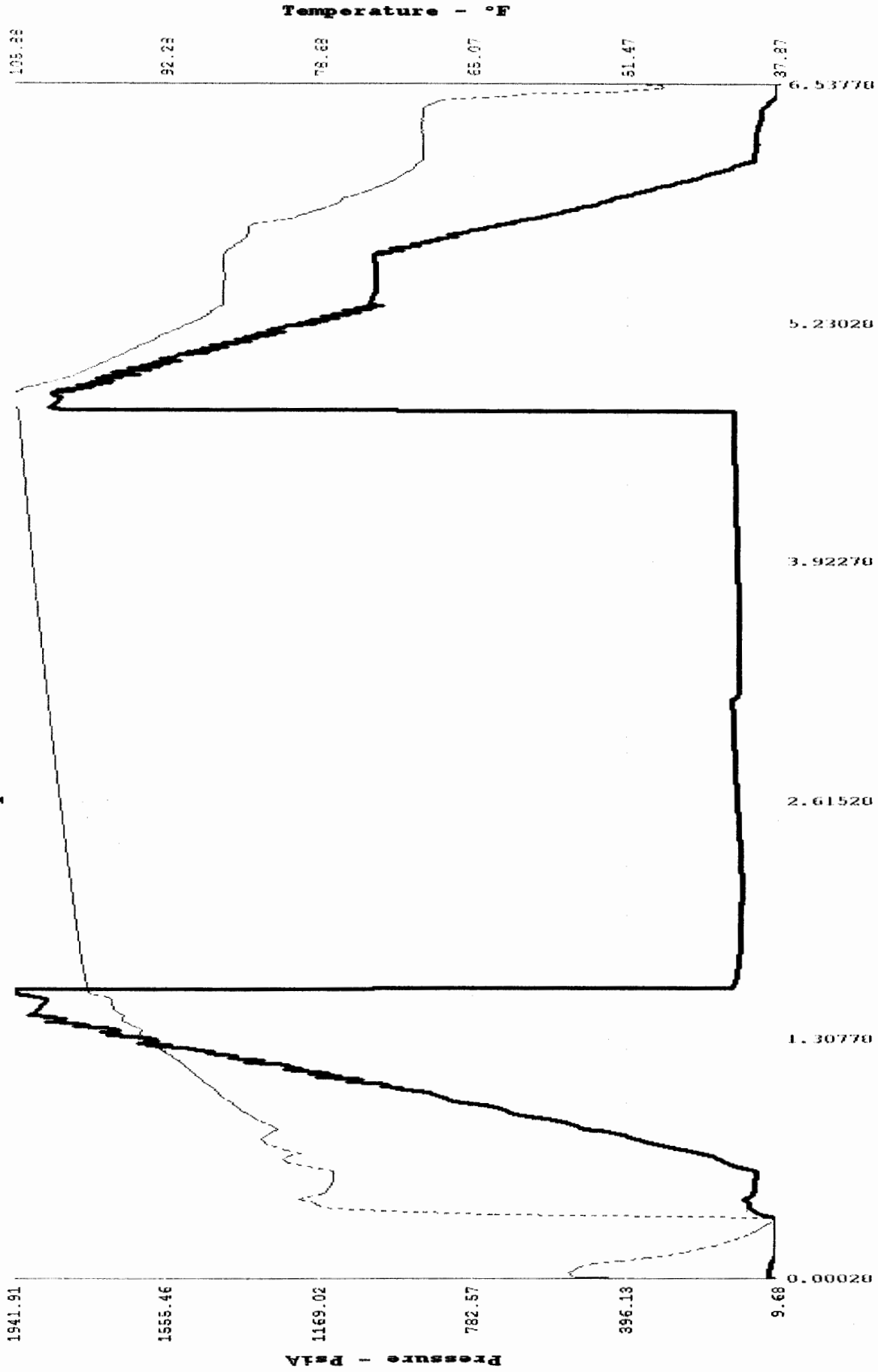
WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3767	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

Drill Pipe	I.D.	Feet		Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	15	DRILLING MUD				100%		0.2130
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Drill Collars	I.D.			Recovery Description For Drill Collars	0.0000	0.0000	0.2130	0.0000	
	2.25								0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Total Recovery		15 Feet		Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.2130	0.0000	Total
				Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
				Total bbls Recovered	0.0000	0.0000	0.2130	0.0000	0.2130
					Gas	Oil	Mud	Water	
MUD WEIGHT #/GAL		9.2		Resistivity		ohms @		Degrees	
VISCOSITY		66		Recovery Chlorides		ppm			
WATER LOSS		10.2		Pit Chlorides	8,000	ppm			
				4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W	WARD FEED YARD A	4-15-07	DST #9	VIOLA				

Temperature / Pressure Data



Superior Testers Enterprises L.L.C.

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

(800) 792-6902

Company FG Hall Company LLC
Address 9431 E. Central Suite 100, Wichita, KS.
Lease & # WARD Feed Yard #1-19 Sec. 19 Twp 21S Rng 15W
Date 4-15-20 County PAWNEE Elevation 1972 G.L. 1981 K.B.
Drilling Contractor DUKE DRILLING RIG #8
Drill Pipe Length 3789 I.D. of Drill Pipe _____ Tool Joint Size 4 1/2 XH
Drill Collar Length _____ I.D. of Drill Collars _____ Tool Joint Size _____
Mud Weight 9.1 Viscosity 49 Filtrate 11.4 Chlorides-Pits 11,000 DST 10
Top Packer Depth 3810 Bottom Packer Depth 3815 Number of Packers 2
Tested From 3815 to 3845 Total Depth 3845 Anchor Length 30
Test # 10 Formation Tested SIMPSON SAND Hole Size 7 7/8
Initial Blow WEAK SURFACE BLOW BUILT TO 2 inches into the water
Blow back on the 1st Shut-in NO
Final Blow WEAK SURFACE BLOW FOR 13 minutes & Died.
Blow back on the 2nd Shut-in NO
Initial Hydrostatic 2039 P.S.I. Final Hydrostatic 1874 P.S.I. Maximum Temp. 110 F

Initial Opening <u>139</u> P.S.I. to <u>120</u> P.S.I. from <u>5:10 pm</u> to <u>5:40 pm</u> <u>30</u> minutes
Initial Shut-in <u>123</u> P.S.I. from <u>5:40 pm</u> to <u>6:40 pm</u> <u>60</u> minutes
Final Opening <u>130</u> P.S.I. to <u>122</u> P.S.I. from <u>6:40 pm</u> to <u>7:25 pm</u> <u>45</u> minutes
Final Shut-in <u>134</u> P.S.I. from <u>7:25 pm</u> to <u>8:25 pm</u> <u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
20	DRILLING 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 _____

Extra Equipment-Jars YES Safety Joint YES Circulating Sub _____ Straddle _____
Electronic Recorder No. 23836 Depth 3842 Extra Packer (3rd) _____ Hook Wall _____
Bottom Recorder No. 5463 Depth 3841 Extra Packer (4th) _____ Sampler _____
Tool Operator Lonny French Approved By _____

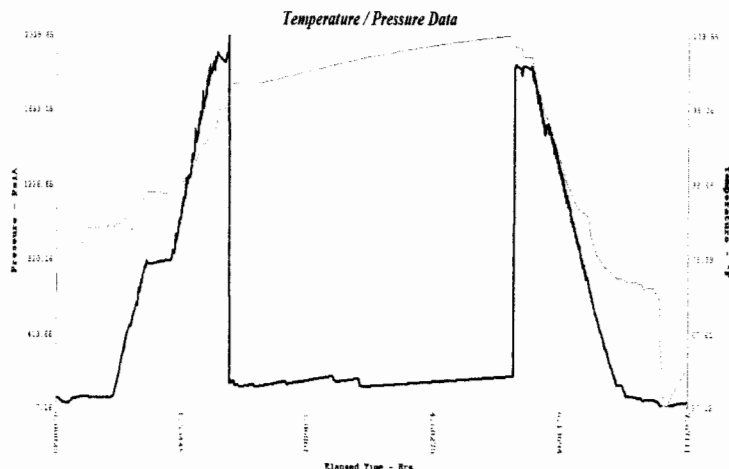
Ticket No. 15159

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	2039
2	Initial Flow Pressure	139
3	Final Initial Flow Pressure	120
4	Initial Shut-In Pressure	123
5	Initial Final Flow Pressure	130
6	Final Flow Pressure	122
7	Final Shut-In Pressure	134
8	Final Hydrostatic Pressure	1874

Maximum Temperature 109

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC

TEST DATE 4/15/07

SECTION-TOWN-RANGE 19-21S-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1972

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER WARD FEED YARD A

FORMATION TESTED SIMPSON SAND

DRILL STEM TEST NUMBER 10

REPORT NUMBER 15159

ELEVATION KELLY BUSHINGS 1981

TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3815

TEST INTERVAL (to) 3845

ANCHOR LENGTH 30

TOTAL DEPTH (ft) 3845

TOP PACKER DEPTH 3810

BOTTOM PACKER DEPTH 3815

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 5:10

TOOL OPEN (to) 5:40

DURATION (min.) 30

INITIAL SHUT-IN

TOOL CLOSED (from) 5:40

TOOL CLOSED (to) 6:40

DURATION (min.) 60

FINAL OPEN

TOOL OPEN (from) 6:40

TOOL OPEN (to) 7:25

DURATION (min.) 45

FINAL SHUT-IN

TOOL CLOSED (from) 7:25

TOOL CLOSED (to) 8:25

DURATION (min.) 60

INITIAL FLOW

WEAK SURFACE BLOW BUILT TO 2 INCHES INTO THE WATER

FINAL FLOW

WEAK SURFACE BLOW FOR 13 MINUTES INTO THE WATER AND DIED

Company: FG HOLL COMPANY LLC
SEC. 19 TWP. 21S RGE. 15W

Lease & Well No. WARD FEED YARD #1-19 Test #: 10 Date: 4-15-07

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	WARD FEED YARD A #1-19
TEST DATE	4/15/07	FORMATION TESTED	SIMPSON SAND
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	10
STATE	KANSAS	REPORT NUMBER	15159
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	35 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3841	BOTTOM RECORDER DEPTH	3842
RECORDER NUMBER	91986	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3789	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.		

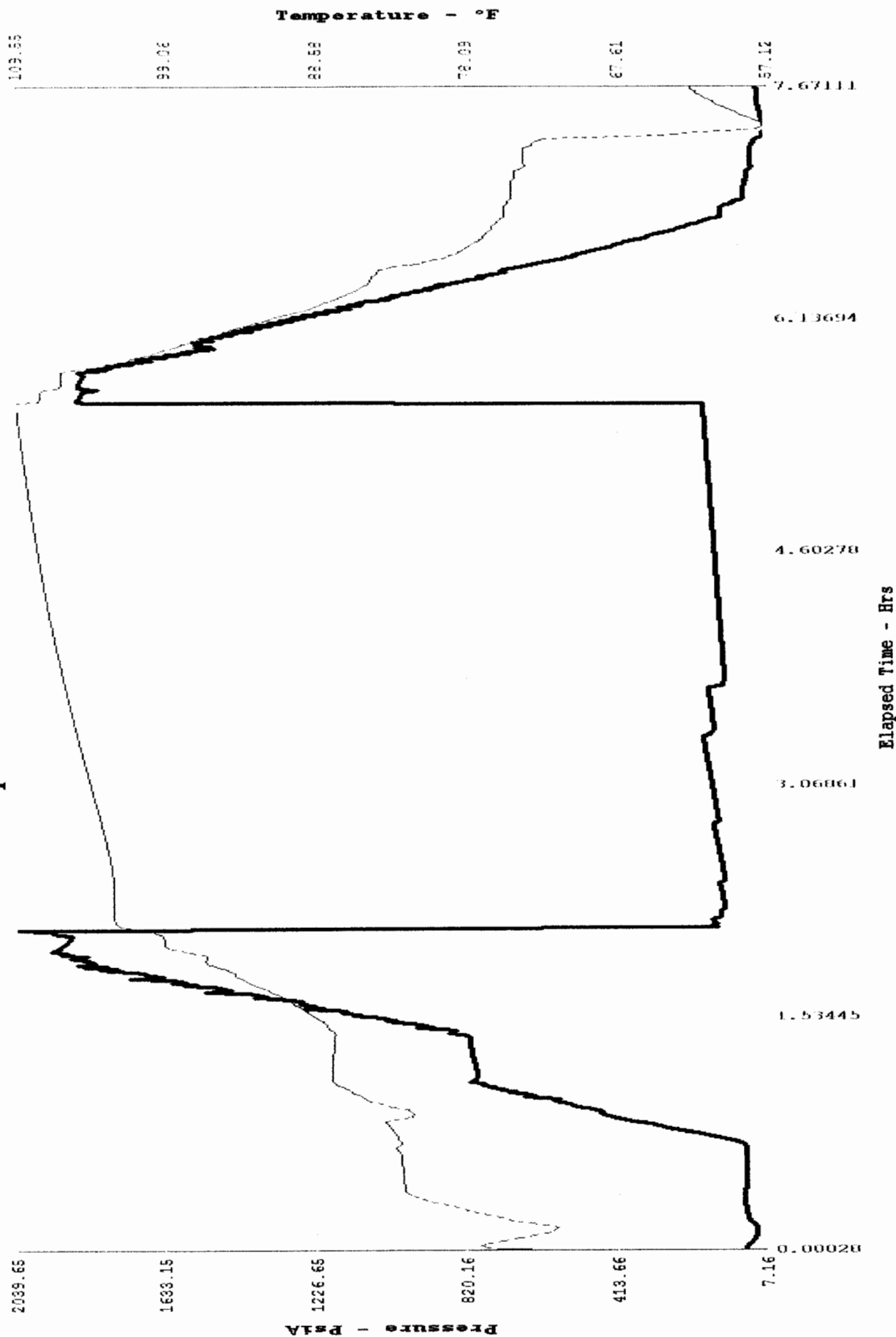
COMMENTS

Recovery Sample Description

Great Bend, Kansas 67530

[illegible]

Temperature / Pressure Data



Superior Testers Enterprises L.L.C.

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

(800) 792-6902

Company FG Hall Company
 Address 9431 E. Central Suite, 100 Wichita KS
 Lease & # Ward Feed Yard #1-19 Sec. 19 Twp 21S Rng 15W
 Date 4-16-2007 County Pawnee Elevation 1972 G.L. 1981 K.B.
 Drilling Contractor Duke Drilling RIG #8
 Drill Pipe Length 3814 I.D. of Drill Pipe _____ Tool Joint Size 4 1/2 X 14
 Drill Collar Length _____ I.D. of Drill Collars _____ Tool Joint Size _____
 Mud Weight 9.1 Viscosity 49 Filtrate 11.4 Chlorides-Pits 11,000 DST 11
 Top Packer Depth 3835 Bottom Packer Depth 3840 Number of Packers 2
 Tested From 3840 to 3875 Total Depth 3875 Anchor Length 35
 Test # 11 Formation Tested Arbuckle Hole Size 7 7/8
 Initial Blow Strong Blow built to the Bottom of the bucket in 4 minutes
 Blow back on the 1st Shut-in NO
 Final Blow Strong Blow built to the Bottom of the bucket in 3 minutes
 Blow back on the 2nd Shut-in NO
 Initial Hydrostatic 1958 P.S.I. Final Hydrostatic 1935 P.S.I. Maximum Temp. _____ F

Initial Opening	<u>282</u> P.S.I. to <u>199</u> P.S.I.	from	<u>8:05 A m</u> to <u>8:10 A m</u>	<u>5</u> minutes
Initial Shut-in	<u>1347</u> P.S.I.	from	<u>8:10 A m</u> to <u>9:10 A m</u>	<u>60</u> minutes
Final Opening	<u>199</u> P.S.I. to <u>376</u> P.S.I.	from	<u>9:10 A m</u> to <u>9:25 A m</u>	<u>15</u> minutes
Final Shut-in	<u>1347</u> P.S.I.	from	<u>9:25 A m</u> to <u>10:25 A m</u>	<u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>150</u>	<u>Muddy water</u>	<u>0</u>	<u>0</u>	<u>45</u>	<u>55</u>
<u>240</u>	<u>Slightly muddy water with a trace of oil</u>	<u>0</u>	<u>TRACE</u>	<u>8</u>	<u>92</u>
<u>330</u>	<u>water - CHLORIDES - 48000</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>99</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. 23836 Depth 3871 Extra Packer (3rd) _____ Hook Wall _____
 Bottom Recorder No. 5463 Depth 3872 Extra Packer (4th) _____ Sampler _____
 Tool Operator Greg Finch Approved By _____

Ticket No. 15160

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

1	Initial Hydrostatic Pressure	1958
2	Initial Flow Pressure	282
3	Final Initial Flow Pressure	199
4	Initial Shut-In Pressure	1347
5	Initial Final Flow Pressure	199
6	Final Flow Pressure	376
7	Final Shut-In Pressure	1347
8	Final Hydrostatic Pressure	1935

Maximum Temperature

GENERAL INFORMATION

COMPANY NAME FG HOLL COMPANY LLC	
TEST DATE 4/16/07	LEASE AND WELL NUMBER WARD FEED YARD A
SECTION-TOWN-RANGE 19-21S-15W	FORMATION TESTED ARBUCKLE
STATE KANSAS	DRILL STEM TEST NUMBER 11
COUNTY PAWNEE	REPORT NUMBER 15160
ELEVATION GROUND LEVEL 1972	ELEVATION KELLY BUSHINGS 1981
COMPANY REPRESENTATIVE BILL REE	TESTING ENGINEER COREY FRENCH

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3840	TOP PACKER DEPTH 3835
TEST INTERVAL (to) 3875	BOTTOM PACKER DEPTH 3840
ANCHOR LENGTH 35	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 3875	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN		FINAL OPEN	
TOOL OPEN (from) 8:05		TOOL OPEN (from) 9:10	
TOOL OPEN (to) 8:10		TOOL OPEN (to) 9:25	
DURATION (min.) 5		DURATION (min.) 15	
INITIAL SHUT-IN		FINAL SHUT-IN	
TOOL CLOSED (from) 8:10		TOOL CLOSED (from) 9:25	
TOOL CLOSED (to) 9:10		TOOL CLOSED (to) 10:25	
DURATION (min.) 60		DURATION (min.) 60	

INITIAL FLOW

STRONG BLOW BUILT TO THE BOTTOM OF THE BUCKET IN 4 MINUTES

FINAL FLOW

STRONG BLOW BUILT TO THE BOTTOM OF THE BUCKET IN 3 MINUTES

Company: FG HOLL COMPANY LLC Lease & Well No. WARD FEED YARD #1-19 Test #: 11 Date: 4-16-07
SEC. 19 TWP. 21S RGE. 15W

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	WARD FEED YARD A #1-19
TEST DATE	4/16/07	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	19-21S-15W	DRILL STEM TEST NUMBER	11
STATE	KANSAS	REPORT NUMBER	15160
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1981
ELEVATION GROUND LEVEL	1972	TESTING ENGINEER	COREY FRENCH
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
	MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	3871	BOTTOM RECORDER DEPTH	3872
RECORDER NUMBER	23836	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3814	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

Recovery Sample Description

Great Bend, Kansas 67530

Drill Pipe	I.D.	Feet		Recovery Description For Drill Pipe	Gas	Oil	Mud	Water	Total bbls.
4 1/2	3.82	150	MUDDY WATER		0%	0%	45%	55%	2.1300
		240	SLIGHTLY MUDDY WATER WITH A VERY SLIGHTL TRACE OF OIL		0%	TRACE	8%	92%	3.4080
		330	WATER-CHLORIDES 48000		0%	0%	1%	99%	4.6860
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Drill Collars	I.D.			Recovery Description For Drill Collars	0.0000	#####	1.2780	8.9460	
	2.25								0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
									0.0000
Total Recovery	720	Feet		Total bbls. Recovered From Drill Pipe	0.0000		1.2780	8.9460	Total
				Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.0000	0.0000	bbls
				Total bbls Recovered	0.0000	0.0000	1.2780	8.9460	10.2240
					Gas	Oil	Mud	Water	
MUD WEIGHT #/GAL	9.1			Resistivity		ohms @		Degrees	
VISCOSITY	49			Recovery Chlorides		ppm			
WATER LOSS	11.4			Pit Chlorides	11,000	ppm			
				4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
FG HOLL COMPANY LLC	19-21S-15W			WARD FEED YARD A	4-16-07	DST #11		ARBUCKLE	