

F. G. Holl Co.
Panning 1-13

13-20s-14w
15-009-24928

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 04-18-2006 Location 90 1/2 - 60 1/2 N 1/2 W 4 1320 S 14 W 1895 ft. Elevation 1887 ft. County Barton

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

Charts Mailed to 9431 East Central Suite 100 Wichita Kansas 67206

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 2500 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X H.

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

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

Top Packer Depth 2516 Bottom Packer Depth 2521 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2521 TO 2599 ANCHOR LENGTH 78 TOTAL DEPTH 2599 Hole Size 7 7/8"

LEASE & WELL NO. Panning #1-13 FORMATION TESTED Limestone TEST NO. 1

Mud Weight 8.4 Viscosity 49 Water Loss 89 Chlorides - Pits 2800 D.S.T. _____

Maximum Temp. 93 °F Initial Hydrostatic Pressure (A) 1220 P.S.I. Final Hydrostatic Pressure (H) 1198 P.S.I.

Tool Open I.F.P. from 5:00 AM to 5:15 AM 15 min

Tool Closed I.C.I.P. from 5:15 AM to 5:45 AM 30 min

Tool Open F.F.P. from 5:45 AM to 6:00 AM 15 min

Tool Closed F.C.I.P. from 6:00 AM to 6:30 AM 30 min

Initial Blow Weak blow for 12 minutes & DRY

Final Blow no blow

Total Feet Recovered 20 Gravity of Oil _____ Corrected _____

20 Feet of Drill pipe man % 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 yes Safety Joint yes Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 4143 Clock No. Electronic Depth 2395 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 2596 Insurance NONE

Price of Job _____

Tool Operator Don Sulley

Approved By _____

Nº 14467

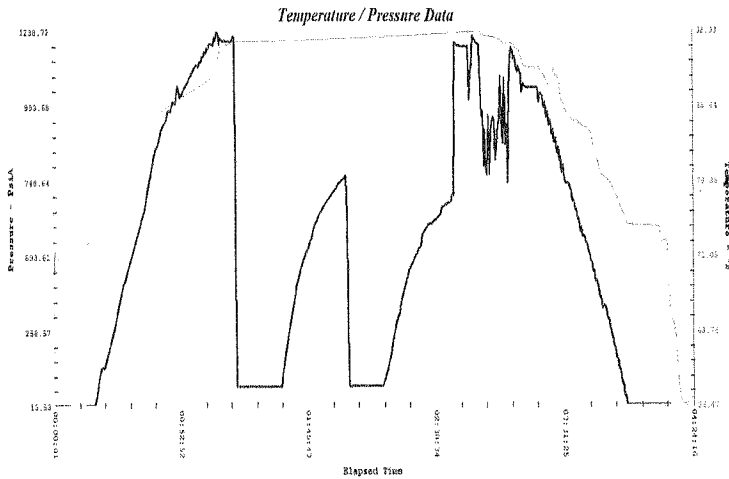
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SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1220
2	Initial Flow Pressure	77
3	Final Initial Flow Pressure	78
4	Initial Shut-In Pressure	767
5	Initial Final Flow Pressure	79
6	Final Flow Pressure	81
7	Final Shut-In Pressure	705
8	Final Hydrostatic Pressure	1198

Maximum Temperature 93

GENERAL INFORMATION

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

TEST DATE 4/18/06

SECTION-TOWN-RANGE 13-20S-14W

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1807

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER PANNING #1-13

FORMATION TESTED LANGDON

DRILL STEM TEST NUMBER 1

REPORT NUMBER 14467

ELEVATION KELLY BUSHINGS 1895

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2521

TEST INTERVAL (to) 2599

ANCHOR LENGTH 78

TOTAL DEPTH (ft) 2599

TOP PACKER DEPTH 2516

BOTTOM PACKER DEPTH 2521

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 5:00

TOOL OPEN (from) 5:45

INITIAL OPEN TOOL OPEN (to) 5:15

FINAL OPEN TOOL OPEN (to) 6:00

DURATION (min.) 15

DURATION (min.) 15

TOOL CLOSED (from) 5:15

TOOL CLOSED (from) 6:00

INITIAL SHUT-IN TOOL CLOSED (to) 5:45

FINAL SHUT-IN TOOL CLOSED (to) 6:30

DURATION (min.) 30

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW FOR 12 MINUTES AND DIED

FINAL FLOW

NO BLOW

RESISTIVITY

AT

DEGREES

CHLORIDES

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 20	DRILLING MUD				
2)					
3)					
4)					
5)					

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. PANNING #1-13 Test #: 1 Date: 04-18-2006 SEC. 13
TWP. 20S RGE. 14W

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	PANNING #1-13
TEST DATE	4/18/06	FORMATION TESTED	LANGDON
SECTION-TOWN-RANGE	13-20S-14W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14467
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1895
ELEVATION GROUND LEVEL	1807	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

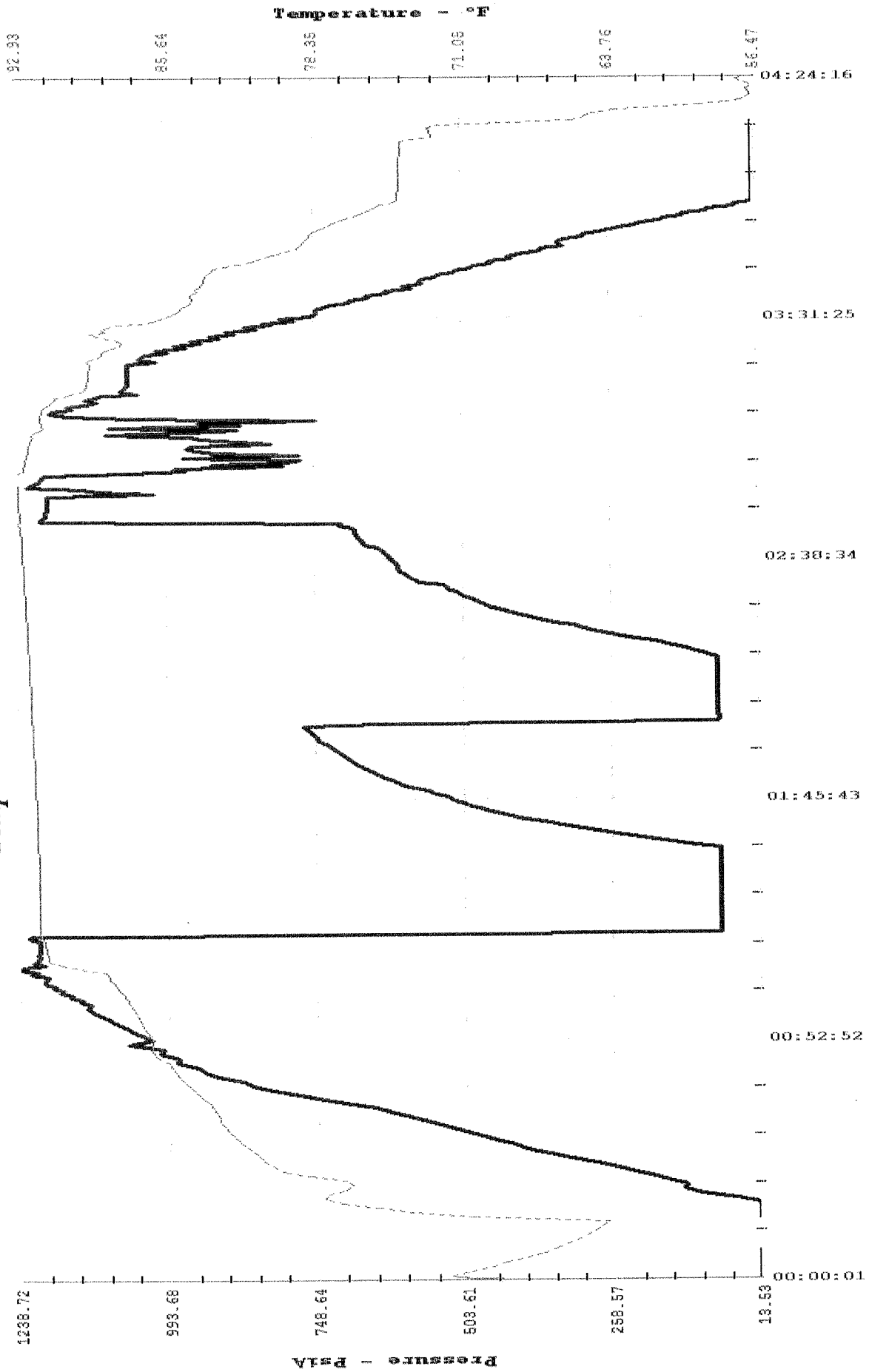
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	2596	BOTTOM RECORDER DEPTH	2597
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING CO. #2	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2500	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	8.6
WEIGHT PIPE I.D.	2.25	VISCOSITY	49
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8
		CHLORIDES-PITS	2800
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 04-20-2006 Location 90° - 69° E 1 1/2° N 9 1/4 W 13-20 1/4 Elevation 1895 KB County Doeton

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

Charts Mailed to 9431 East Central Suite 100 Nich. in Kansas 67206

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3237 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11

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

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

Top Packer Depth 3253 Bottom Packer Depth 3258 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3258 TO 3302 ANCHOR LENGTH 44 TOTAL DEPTH 3302 Hole Size 7 1/8"

EASE & WELL NO. PANNING #1-B FORMATION TESTED KANSAS CITY "A-B" TEST NO. 2

Mud Weight 9.1 Viscosity 50 Water Loss 7.7 Chlorides - Pits 5000 D.S.T.

Maximum Temp. 105 °F Initial Hydrostatic Pressure (A) 1697 P.S.I. Final Hydrostatic Pressure (H) 1636 P.S.I.

Tool Open I.F.P. from 12:00 A m to 12:15 A m 15 min

Tool Closed I.C.I.P. from 12:15 A m to 12:45 A m 30 min

Tool Open F.F.P. from 12:45 A m to 1:00 A m 15 min

Tool Closed F.C.I.P. from 1:00 A m to 1:30 A m 30 min

Initial Blow WEAK STEADY SURFACE BLOW THROUGH OUT

Final Blow WEAK STEADY SURFACE BLOW THROUGH OUT

Total Feet Recovered 10 Gravity of Oil Corrected

10 Feet of oil cut mud with a good show of % Gas % Oil % Mud % Water

Feet of Free oil on top of the tool % Gas % Oil % Mud % Water

50 Feet of Gas in the Pipe % 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. YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 4143 Clock No. ELECTRONIC Depth 3298 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 3299 Insurance NONE

Price of Job

Tool Operator Don Budig

Approved By

Nº 14468

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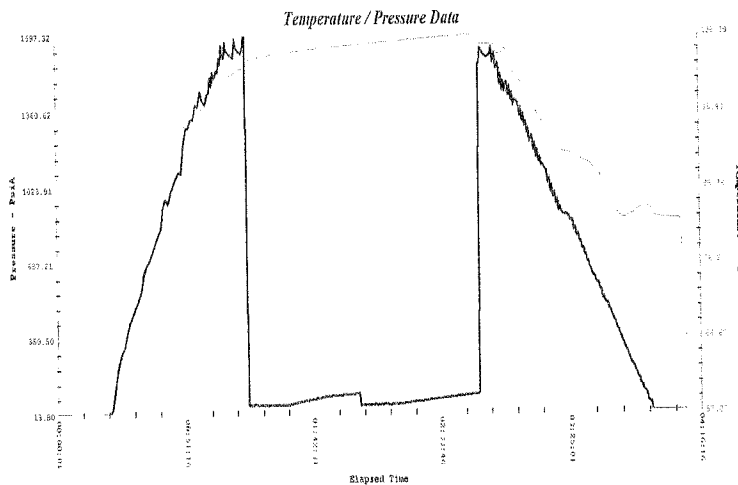
SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

1(800)792-6902

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. PANNING #1-13 Test #: 2 Date: 04-20-2006 SEC. 13
TWP. 20S RGE. 14W



1	Initial Hydrostatic Pressure	1697
2	Initial Flow Pressure	51
3	Final Initial Flow Pressure	52
4	Initial Shut-In Pressure	104
5	Initial Final Flow Pressure	50
6	Final Flow Pressure	54
7	Final Shut-In Pressure	100
8	Final Hydrostatic Pressure	1636

Maximum Temperature 105

GENERAL INFORMATION

COMPANY NAME	 F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	 PANNING #1-13
TEST DATE	 4/20/06	FORMATION TESTED	 KANSAS CITY "A-B"
SECTION-TOWN-RANGE	 13-20S-14W	DRILL STEM TEST NUMBER	 2
STATE	 KANSAS	REPORT NUMBER	 14468
COUNTY	 BARTON	ELEVATION KELLY BUSHINGS	 1895
ELEVATION GROUND LEVEL	 1887	TESTING ENGINEER	 GENE BUDIG
COMPANY REPRESENTATIVE	 BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	 3258	TOP PACKER DEPTH	 3253
TEST INTERVAL (to)	 3302	BOTTOM PACKER DEPTH	 3258
ANCHOR LENGTH	 44	NUMBER OF PACKERS	 2
TOTAL DEPTH (ft)	 3302	PACKER SIZE	 6 3/4
		HOLE SIZE	 7 7/8

FLOW TIMES

TOOL OPEN (from)	 12:00	TOOL OPEN (from)	 12:45
INITIAL OPEN TOOL OPEN (to)	 12:15	FINAL OPEN TOOL OPEN (to)	 1:00
DURATION (min.)	 15	DURATION (min.)	 15
TOOL CLOSED (from)	 12:15	TOOL CLOSED (from)	 1:00
INITIAL SHUT-IN TOOL CLOSED (to)	 12:45	FINAL SHUT-IN TOOL CLOSED (to)	 1:30
DURATION (min.)	 30	DURATION (min.)	 30

INITIAL FLOW WEAK STEADY SURFACE BLOW THROUGH OUT

FINAL FLOW WEAK STEADY SURFACE BLOW THROUGH OUT

RESISTIVITY		AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY	DESCRIPTION		% GAS	% OIL	% MUD	% WATER
Recovery							
1) 50		GAS IN THE PIPE					
2) 10		OIL CUT MUD WITH A GOOD SHOW OF FREE OIL BETWEEN THE TOOLS					
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	PANNING #1-13
TEST DATE	4/20/06	FORMATION TESTED	KANSAS CITY"A-B"
SECTION-TOWN-RANGE	13-20S-14W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	14468
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1895
ELEVATION GROUND LEVEL	1887	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

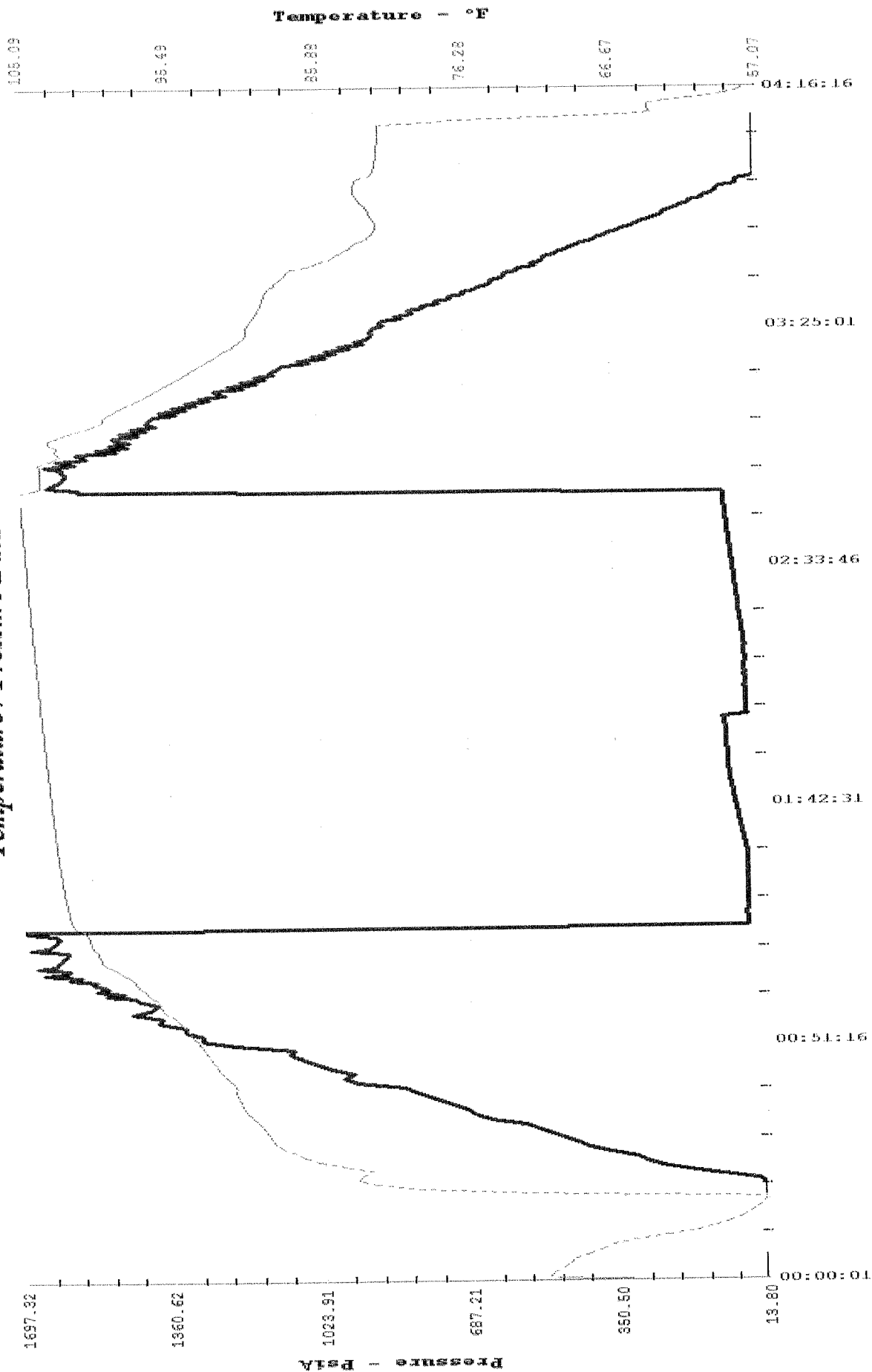
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	3298	BOTTOM RECORDER DEPTH	3299
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3237	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	50
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	7.2
		CHLORIDES-PITS	5000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 04-20-2006 Location 97.62 N 13-25 E 1895 KB Elevation 18876 L County Barton

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

Charts Mailed to 9431 East Central Suite 200 Wichita Kansas 67206

Drilling Contractor Dave Drilling Co #8

Length Drill Pipe 3281 I.D. Drill Pipe 380 Tool Joint Size 4 1/2 X 11

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

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

Top Packer Depth 3298 Bottom Packer Depth 3303 Number of Packers 2 Packer Size 63 1/4"

TESTED FROM 3303 TO 3345 ANCHOR LENGTH 42 TOTAL DEPTH 3345 Hole Size 2 7/8"

LEASE & WELL NO. Pannine # 1-13 FORMATION TESTED Kansas C. H. TEST NO. 3

Mud Weight 9.2 Viscosity 58 Water Loss 7.4 Chlorides - Pits 5600 D.S.T. _____

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1701 P.S.I. Final Hydrostatic Pressure (H) 1687 P.S.I.

Tool Open I.F.P. from 3:12 p.m. to 3:30 p.m. 15 min

Tool Closed I.C.I.P. from 3:30 p.m. to 4:00 p.m. 30 min

Tool Open F.F.P. from 4:00 p.m. to 4:15 p.m. 15 min

Tool Closed F.C.I.P. from 4:15 p.m. to 4:45 p.m. 30 min

Initial Blow WEAK blow for 8 minutes & DIED

Final Blow no blow

Total Feet Recovered 3 Gravity of Oil _____ Corrected

3 Feet of Oil cut mud % Gas _____ % Oil _____ % Mud _____ % Water _____

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

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

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

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. 4143 Clock No. Electronic Depth 3341 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 3342 Insurance NONE

Price of Job _____

Tool Operator James Buding

Approved By _____

NO 14469

from [B]	<u>48</u>	P.S.I. to [C]	<u>49</u>	P.S.I.
[D]	<u>127</u>			P.S.I.
from [E]	<u>50</u>	P.S.I. to [F]	<u>50</u>	P.S.I.
[G]	<u>67</u>			P.S.I.

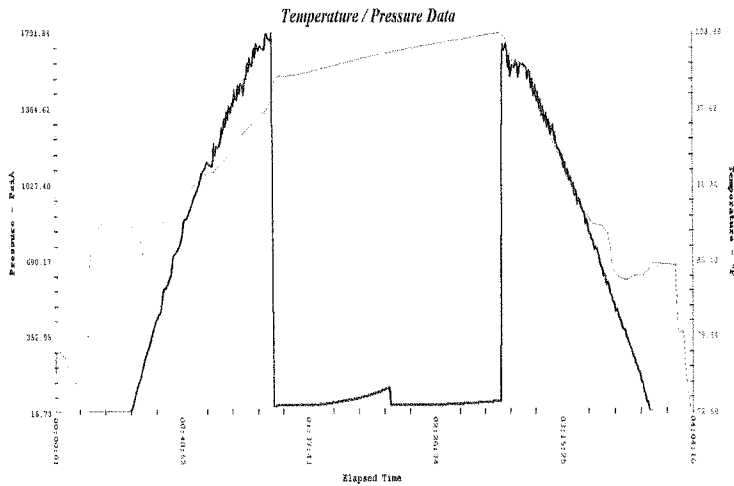
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SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1701
2	Initial Flow Pressure	48
3	Final Initial Flow Pressure	49
4	Initial Shut-In Pressure	127
5	Initial Final Flow Pressure	1701
6	Final Flow Pressure	50
7	Final Shut-In Pressure	50
8	Final Hydrostatic Pressure	67

Maximum Temperature 104

GENERAL INFORMATION

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

TEST DATE 4/20/06

SECTION-TOWN-RANGE 13-20S-14W

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1887

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER PANNING #1-13

FORMATION TESTED KANSAS CITY

DRILL STEM TEST NUMBER 3

REPORT NUMBER 14469

ELEVATION KELLY BUSHINGS 1895

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3303

TEST INTERVAL (to) 3345

ANCHOR LENGTH 42

TOTAL DEPTH (ft) 3345

TOP PACKER DEPTH 3298

BOTTOM PACKER DEPTH 3303

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 3:15

INITIAL OPEN TOOL OPEN (to) 3:30

DURATION (min.) 15

TOOL OPEN (from) 4:00

FINAL OPEN TOOL OPEN (to) 4:15

DURATION (min.) 15

TOOL CLOSED (from) 3:30

INITIAL SHUT-IN TOOL CLOSED (to) 4:00

DURATION (min.) 30

TOOL CLOSED (from) 4:15

FINAL SHUT-IN TOOL CLOSED (to) 4:45

DURATION (min.) 30

INITIAL FLOW

WEAK BLOW FOR 8 MINUTES And died

FINAL FLOW

NO BLOW

RESISTIVITY		AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY	DESCRIPTION		% GAS	% OIL	% MUD	% WATER
1)	3	oil cut mud					
2)							
3)							
4)							
5)							

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. PANNING #1-13 Test #: 3 Date: 04-20-2006 SEC. 13
TWP. 20S RGE. 14W

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	PANNING #1-13
TEST DATE	4/20/06	FORMATION TESTED	KANSAS CITY
SECTION-TOWN-RANGE	13-20S-14W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	14469
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1895
ELEVATION GROUND LEVEL	1887	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

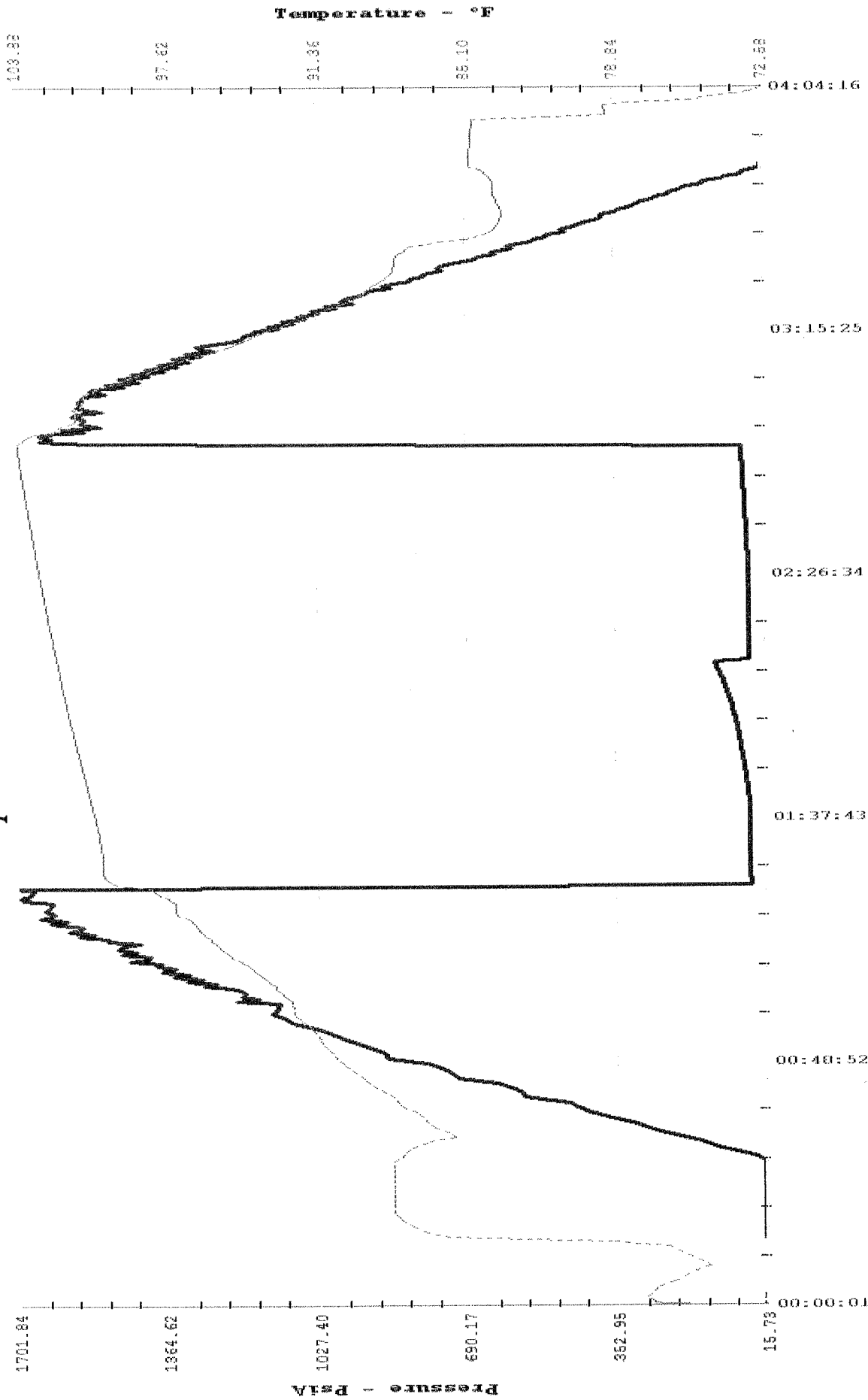
JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3341	BOTTOM RECORDER DEPTH	3342
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3281	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	9.2
WEIGHT PIPE I.D.	2.25	VISCOSITY	58
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	7.2
		CHLORIDES-PITS	5600
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

1875th

Date 04-21-2006 Location 90/5 67 1/2 N 1/4 Sec 14 13-20 1/2 W Elevation 1887 County Butler Number of Copies 5

Company F.C. Hall Company L.L.C.

Charts Mailed to 9431 East Central Santa Fe Wichita, Kansas 67202

Drilling Contractor Duke Drilling Rig #8 Tool Joint Size 4 1/2 X 1 1/2

Length Drill Pipe 3359 I.D. Drill Pipe 3 1/8 Tool Joint Size NONE

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

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

Top Packer Depth 3375 Bottom Packer Depth 3380 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3380 TO 3402 ANCHOR LENGTH 22 TOTAL DEPTH 3402 Hole Size 7 1/8"

LEASE & WELL NO. Pennine #1-13 FORMATION TESTED Kansas City "H" TEST NO. 4

Mud Weight 9.2 Viscosity 58 Water Loss 7.2 Chlorides - Pits 5600 D.S.T.

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1757 P.S.I. Final Hydrostatic Pressure (H) 1691 P.S.I.

Tool Open I.F.P. from 4:55 m to 5:00 am 5 min

Tool Closed I.C.I.P. from 5:00 am to 5:30 am 30 min

Tool Open F.F.P. from 5:30 am to 6:15 am 45 min

Tool Closed F.C.I.P. from 6:15 am to 7:45 am 90 min

Initial Blow Straw Blow Bottom of a 5 Gallon Bucket in 30 seconds

Final Blow Straw Blow - Gas to Surface in 8 minutes - See Gas Flow Report

Total Feet Recovered 900 Feet of CLSON Gassy Oil

60 Feet of Mud cut Gassy Oil

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

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Feet of

Feet of

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Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

Feet of

from [B] 139 P.S.I. to [C] 94 P.S.I.
[D] 797 P.S.I.
from [E] 128 P.S.I. to [F] 238 P.S.I.
[G] 730 P.S.I.

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SUPERIOR TESTERS ENTERPRISES L.L.C.

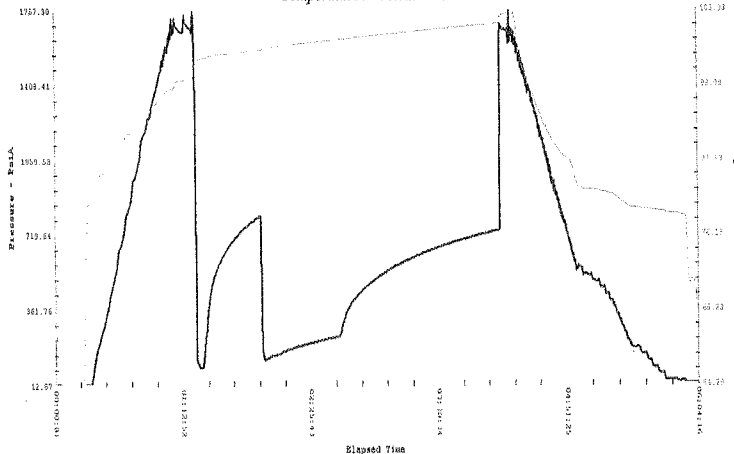
1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. PANNING #1-13 Test #: 4 Date: 04-21-2006 SEC. 13
TWP. 20S RGE. 14W

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1757
2	Initial Flow Pressure	139
3	Final Initial Flow Pressure	94
4	Initial Shut-In Pressure	797
5	Initial Final Flow Pressure	128
6	Final Flow Pressure	238
7	Final Shut-In Pressure	730
8	Final Hydrostatic Pressure	1691

Maximum Temperature 108

GENERAL INFORMATION

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

TEST DATE 4/21/06

SECTION-TOWN-RANGE 13-20S-14W

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1887

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER "PANNING #1-13

FORMATION TESTED KANSAS CITY "H"

DRILL STEM TEST NUMBER 4

REPORT NUMBER 14470

ELEVATION KELLY BUSHINGS 1895

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3380

TEST INTERVAL (to) 3402

ANCHOR LENGTH 22

TOTAL DEPTH (ft) 3402

TOP PACKER DEPTH 3375

BOTTOM PACKER DEPTH 3380

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 4:55

TOOL OPEN (from) 5:30

INITIAL OPEN TOOL OPEN (to) 5:00

FINAL OPEN TOOL OPEN (to) 6:15

DURATION (min.) 5

DURATION (min.) 45

TOOL CLOSED (from) 5:00

TOOL CLOSED (from) 6:15

INITIAL SHUT-IN TOOL CLOSED (to) 5:30

FINAL SHUT-IN TOOL CLOSED (to) 7:45

DURATION (min.) 30

DURATION (min.) 90

INITIAL FLOW

STRONG BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 30 SECONDS

FINAL FLOW

STRONG BLOW WITH GAS TO SURFACE IN 8 MINUTES-SEE GAS FLOW REPORT

		RESISTIVITY	AT	DEGREES	CHLORIDES			
FEET OF		RECOVERY			%	%	%	%
Recovery		DESCRIPTION			GAS	OIL	MUD	WATER
1)	900	CLEAN GASSY OIL						
2)	60	MUD CUT GASSY OIL			20	40	30	0
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	"PANNING #1-13
TEST DATE	4/21/06	FORMATION TESTED	KANSAS CITY "H"
SECTION-TOWN-RANGE	13-20S-14W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	14470
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1895
ELEVATION GROUND LEVEL	1887	TESTING ENGINEER	GENE BUDIG
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
	19 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3399	BOTTOM RECORDER DEPTH	3400
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3359	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	9.2
WEIGHT PIPE I.D.	2.25	VISCOSITY	58
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	7.7
		CHLORIDES-PITS	5600
		CHLORIDES-DST	

COMMENTS

SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

GAS FLOW RATE

(800) 792-6902

#

STATE..... KANSAS

Test Date 1/0/1900

COUNTY..... BARTON

Sec Town Range 13-20S-14W

FIELD.....

Report Number 14470

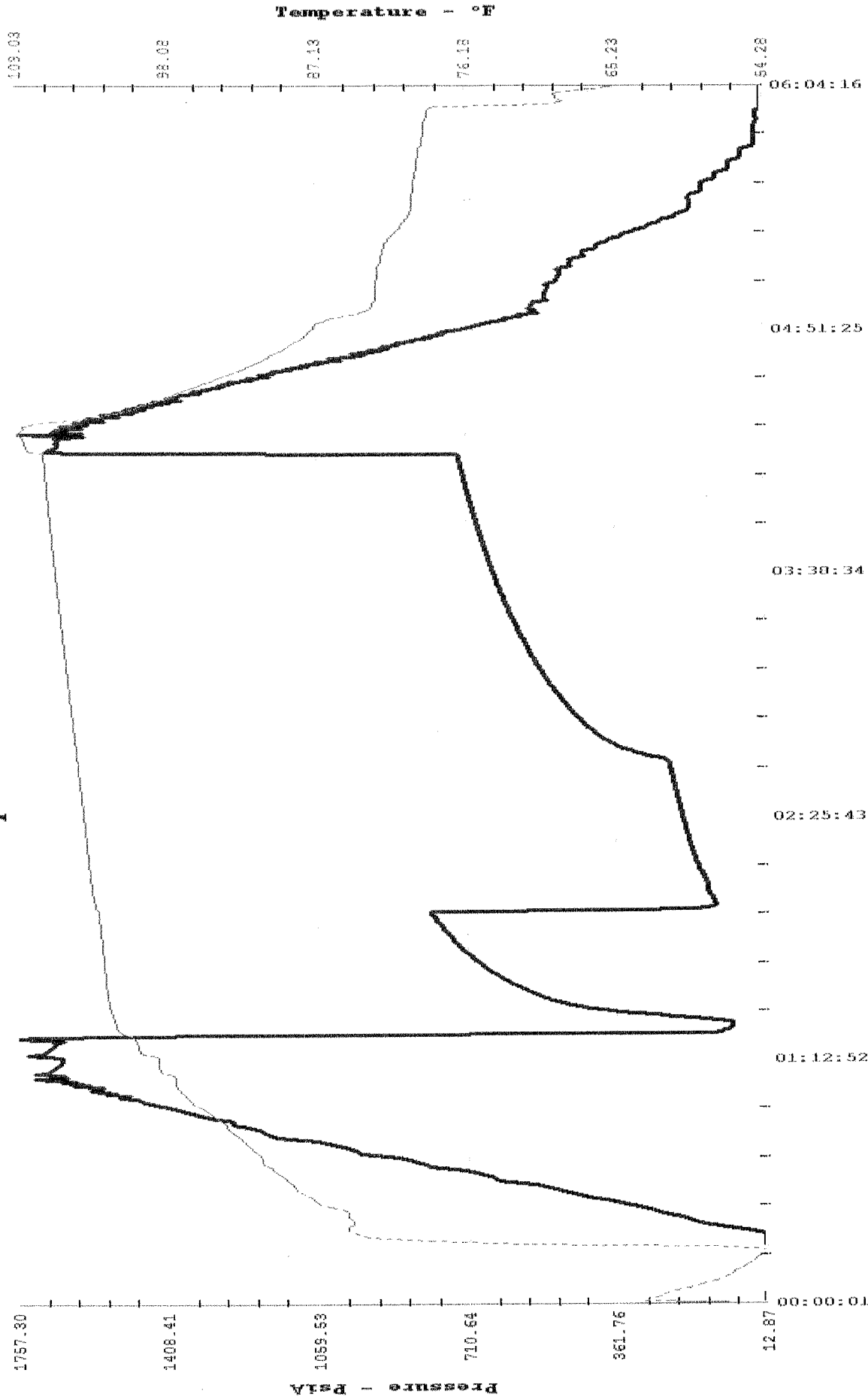
Initial Flow

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

Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED AT	5:40	10	TO SMALL TO MEASURE				
5:30	5:45	15	4			1/8	1.080
WITH GAS TO	5:55	25	14			1/8	1.980
SSURFACE IN	6:05	35	15			1/8	2.050
8 MINUTES AT	6:15	45	16			1/8	2.110
5:38							

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

1895 KB

Date 04-21-2006 Location 90/109 C N 3/4 13-20-14 W Elevation 1887.6 L County Barton

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

Charts Mailed to 9431 East Central Suite 100 Wichita Kansas 67206

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3382 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11

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

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

Top Packer Depth 3398 Bottom Packer Depth 3403 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3403 TO 3435 ANCHOR LENGTH 32 TOTAL DEPTH 3435 Hole Size 7 7/8

LEASE & WELL NO. Pannino #1-13 FORMATION TESTED Kansas City "I" TEST NO. 5

Mud Weight 9.4 Viscosity 61 Water Loss 8.9 Chlorides - Pits 900 D.S.T.

Maximum Temp. 111 °F Initial Hydrostatic Pressure (A) 1727 P.S.I. Final Hydrostatic Pressure (H) 1672 P.S.I.

Tool Open I.F.P. from 10:15 p.m. to 10:30 p.m. 15 min

Tool Closed I.C.I.P. from 10:30 p.m. to 11:00 p.m. 30 min

Tool Open F.F.P. from 11:00 p.m. to 11:45 p.m. 45 min

Tool Closed F.C.I.P. from 11:45 p.m. to 12:15 a.m. 90 min

Initial Blow 1st fair blow built to 10 inches into the water

Final Blow fair blow built to the bottom of a 5 gallon bucket in 17 min

Total Feet Recovered 120 Gravity of Oil Corrected

90 Feet of muddy Gassy O.I. 15 % Gas 60 % Oil 25 % Mud 0 % Water

30 Feet of O.I. & Gas cut muddy water 10 % Gas 40 % Oil 20 % Mud 30 % Water

180 Feet of Gas in the P.P.E % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Remarks

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

Top Recorder No. 4143 Clock No. Electronix Depth 3431 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 4744 Depth 3432 Insurance NONE

Price of Job

Tool Operator Steve Budig

Approved By

No 14471

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

SUPERIOR TESTERS ENTERPRISES L.L.C.

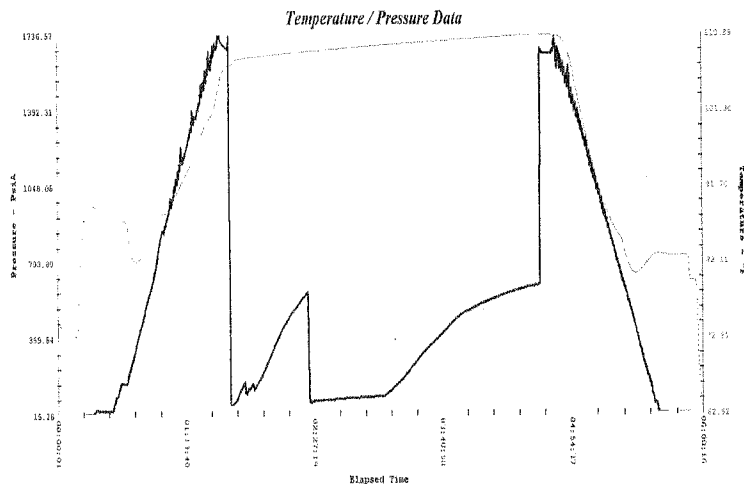
1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G.HOLL COMPANY L.L.C.
TWP. 20S RGE. 14W

Lease & Well No. PANNING #1-13 Test #: 5 Date: 04-21-2006 SEC. 13



1	Initial Hydrostatic Pressure	1727
2	Initial Flow Pressure	64
3	Final Initial Flow Pressure	140
4	Initial Shut-In Pressure	567
5	Initial Final Flow Pressure	68
6	Final Flow Pressure	99
7	Final Shut-In Pressure	603
8	Final Hydrostatic Pressure	1672

Maximum Temperature 111

GENERAL INFORMATION

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

TEST DATE 4/21/06

SECTION-TOWN-RANGE 13-20S-14W

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1887

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER PANNING #1-13

FORMATION TESTED KANSAS CITY "I"

DRILL STEM TEST NUMBER 5

REPORT NUMBER 14471

ELEVATION KELLY BUSHINGS 1895

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3403

TEST INTERVAL (to) 3435

ANCHOR LENGTH 32

TOTAL DEPTH (ft) 3435

TOP PACKER DEPTH 3398

BOTTOM PACKER DEPTH 3403

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 10:15

INITIAL OPEN

TOOL OPEN (to) 10:30

FINAL OPEN

DURATION (min.) 15

TOOL OPEN (from) 11:00

TOOL OPEN (to) 11:45

DURATION (min.) 45

TOOL CLOSED (from) 10:30

INITIAL SHUT-IN

TOOL CLOSED (to) 11:00

FINAL SHUT-IN

DURATION (min.) 30

TOOL CLOSED (from) 11:45

TOOL CLOSED (to) 1:15

DURATION (min.) 45

INITIAL FLOW

FAIR BLOW BUILT TO 10 INCHES INTO THE WATER

FINAL FLOW

FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 17 MINUTES

		RESISTIVITY	AT	DEGREES	CHLORIDES			
FEET OF		RECOVERY			%	%	%	%
Recovery		DESCRIPTION			GAS	OIL	MUD	WATER
1)	90	MUDDY GASSY OIL			15	60	25	0
2)	30	OIL AND GAS CUT MUDDY WATER			10	40	20	30
3)	180	Gas in the pipe						
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	PANNING #1-13
TEST DATE	4/21/06	FORMATION TESTED	KANSAS CITY "I"
SECTION-TOWN-RANGE	13-20S-14W	DRILL STEM TEST NUMBER	5
STATE	KANSAS	REPORT NUMBER	14471
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1895
ELEVATION GROUND LEVEL	1887	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

EXTRA EQUIPMENT

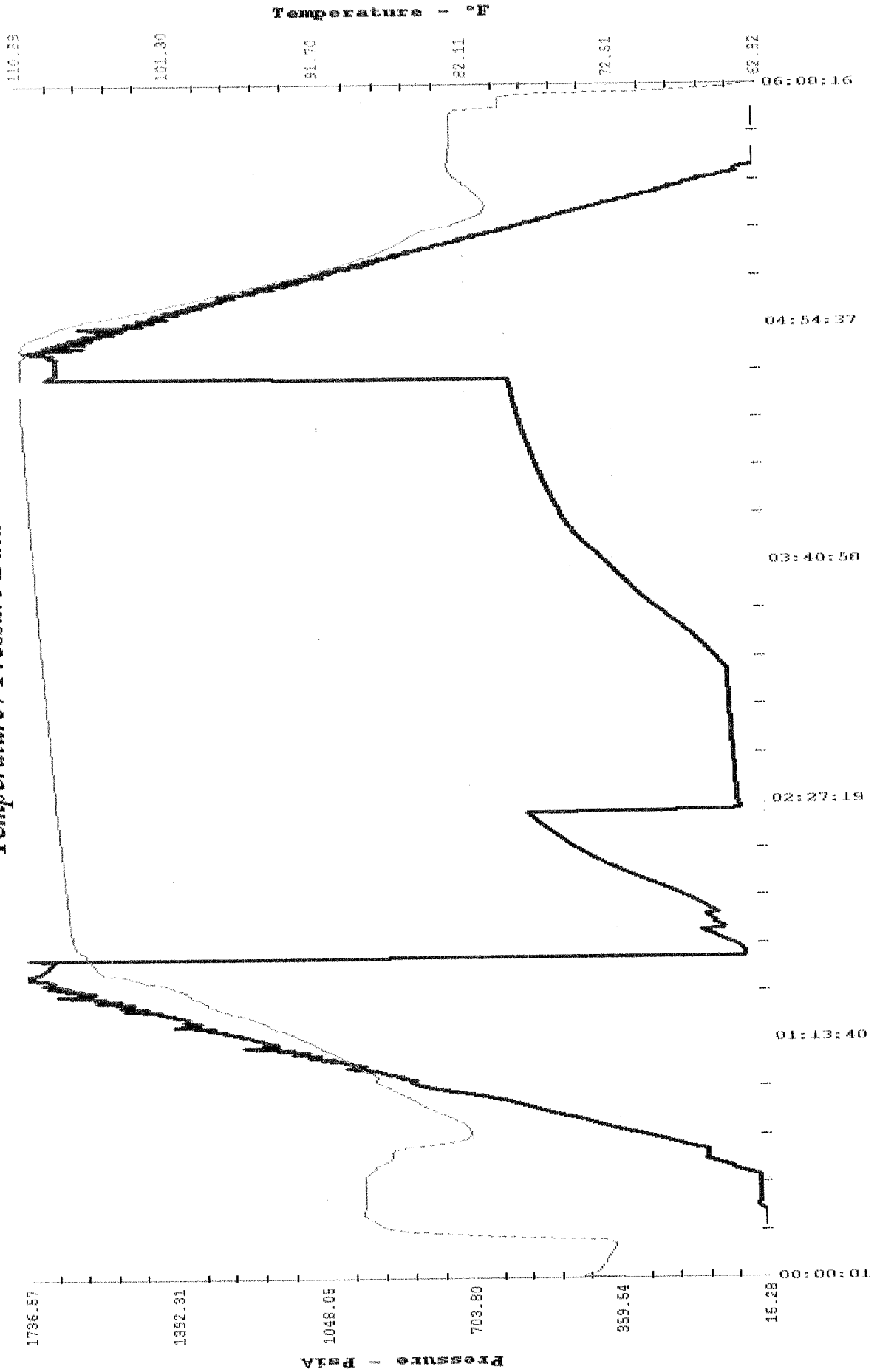
JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	3431	BOTTOM RECORDER DEPTH	3432
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING INC #1	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH		DRILL COLLAR I.D.	2.25
DRILL PIPE I.D.	3.8	TOOL JOINT SIZE	4 1/2 X.H.
TOOL JOINT SIZE	1 1/2 X.H.		
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.4
WEIGHT PIPE I.D.	2.25	VISCOSITY	61
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8
		CHLORIDES-PITS	8000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

Job No. 04-21-2006 Location 13-20^S-14^W Elevation 1895 KB County Barton
Company F.G. Hall Company LLC Number of Copies 5
Tests Mailed to 9431 East Central Suite 100 Wichita, Kansas 67206
Drilling Contractor Duke Drilling & Rig # 8 Tool Joint Size 4 1/2 x 4
Length Drill Pipe 3455 I.D. Drill Pipe 3.80 Tool Joint Size NONE
Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE
Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE
Top Packer Depth 3471 Bottom Packer Depth 3476 Number of Packers 2 Packer Size 6 3/4"
TESTED FROM 3476 TO 3548 ANCHOR LENGTH 72 TOTAL DEPTH 3548 Hole Size 7 7/8"
LEASE & WELL NO. PROVIDE #1-13 FORMATION TESTED Arbuckle TEST NO. 6
Mud Weight 12.9 Viscosity 80 Water Loss 8700 Chlorides - Pits 8700 D.S.T.
Maximum Temp. 112 °F Initial Hydrostatic Pressure (A) 1812 P.S.I. Final Hydrostatic Pressure (H) 1750 P.S.I.

Tool Open I.F.P. from 4:40 p.m. to 4:45 p.m. 5 min
Tool Closed I.C.I.P. from 4:45 p.m. to 5:15 p.m. 30 min
Tool Open F.F.P. from 5:15 p.m. to 6:00 p.m. 45 min
Tool Closed F.C.I.P. from 6:00 p.m. to 7:30 p.m. 90 min
Initial Blow Strong blow

from [B]	<u>149</u>	P.S.I. to [C]	<u>85</u>	P.S.I.
[D]	<u>1112</u>			P.S.I.
from [E]	<u>91</u>	P.S.I. to [F]	<u>80</u>	P.S.I.
[G]	<u>1112</u>			P.S.I.

Final Blow Strong Blow with Gas to Surface in 8 min.

Total Feet Recovered 65

Feet of	<u>65</u>	% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water
Feet of		% Gas		% Oil		% Mud		% Water

Remarks

Extra Equipment - Jars None Safety Joint yes Extra Packer None Straddle None Hook Wall None
Top Recorder No. 4143 Clock No. Electron Depth 3544 Cir. Sub None Sampler None
Bottom Recorder No. 5463 Clock No. 47441 Depth 3545 Insurance None

Price of Job

Tool Operator Gene Bull

Approved By

No. 14472

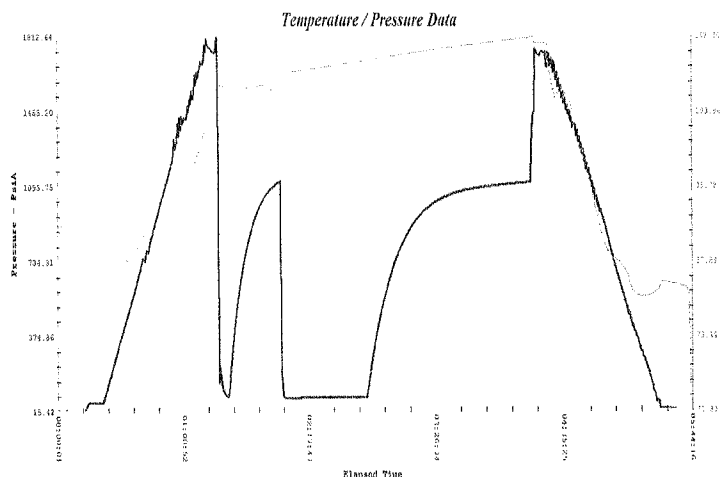
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SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



- | | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1812 |
| 2 | Initial Flow Pressure | 149 |
| 3 | Final Initial Flow Pressure | 85 |
| 4 | Initial Shut-In Pressure | 1115 |
| 5 | Initial Final Flow Pressure | 91 |
| 6 | Final Flow Pressure | 80 |
| 7 | Final Shut-In Pressure | 1112 |
| 8 | Final Hydrostatic Pressure | 1750 |

Maximum Temperature 112

GENERAL INFORMATION

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

TEST DATE 4/21/06

SECTION-TOWN-RANGE 13-20S-14W

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1887

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER PANNING #1-13

FORMATION TESTED ARBUCKLE

DRILL STEM TEST NUMBER 6

REPORT NUMBER 14472

ELEVATION KELLY BUSHINGS 1895

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3476

TEST INTERVAL (to) 3548

ANCHOR LENGTH 72

TOTAL DEPTH (ft) 3548

TOP PACKER DEPTH 3471

BOTTOM PACKER DEPTH 3476

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 4:40

INITIAL OPEN TOOL OPEN (to) 4:45

DURATION (min.) 5

TOOL OPEN (from) 5:15

FINAL OPEN TOOL OPEN (to) 6:00

DURATION (min.) 45

TOOL CLOSED (from) 4:45

INITIAL SHUT-IN TOOL CLOSED (to) 5:15

DURATION (min.) 30

TOOL CLOSED (from) 6:00

FINAL SHUT-IN TOOL CLOSED (to) 7:30

DURATION (min.) 90

INITIAL FLOW

STRONG BLOW

FINAL FLOW

STRONG BLOW WITH GAS TO SURFACE IN 8 MINUTES

RESISTIVITY

AT

DEGREES

CHLORIDES

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 65	GASSY MUD				
2)					
3)					
4)					
5)					

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. PANNING #1-13 Test #: 6 Date: 04-21-2006 SEC. 13
 TWP. 20S RGE. 14W

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	PANNING #1-13
TEST DATE	4/21/06	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	13-20S-14W	DRILL STEM TEST NUMBER	6
STATE	KANSAS	REPORT NUMBER	14472
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1895
ELEVATION GROUND LEVEL	1887	TESTING ENGINEER	GENE BUDIG
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
	18 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3544	BOTTOM RECORDER DEPTH	3545
RECORDER NUMBER	91981	RECORDER NUMBER	5463

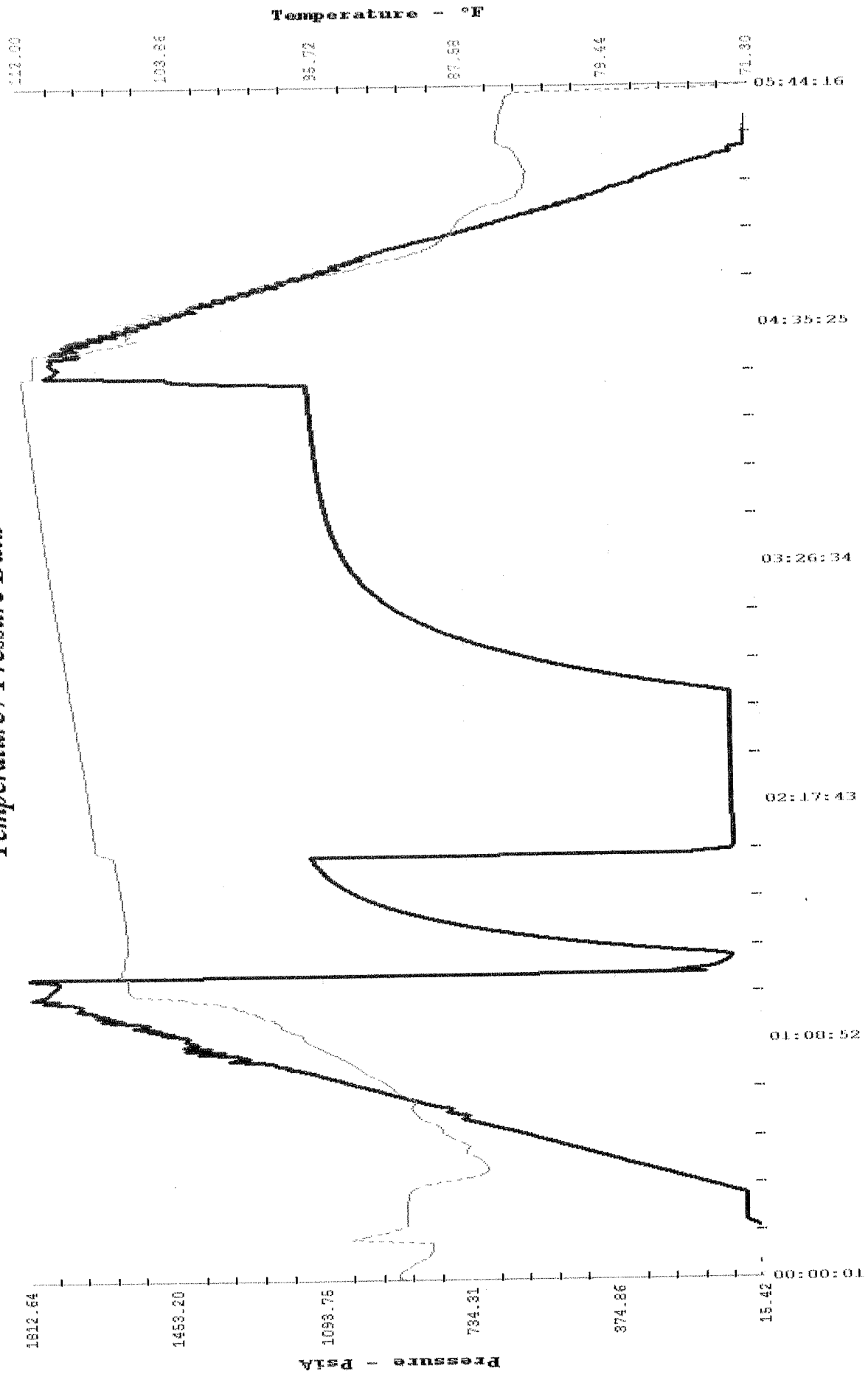
WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3455	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	62
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8.4
		CHLORIDES-PITS	8700
		CHLORIDES-DST	

COMMENTS

#

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 04-23-2006 Location 13-20^s-14th Elevation 1895 K6 County Beeton

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

Charts Mailed to 9431 East ~~100th~~ Suite 100 Wichita Kansas 67206

Drilling Contractor Park Drilling Rig

Length Drill Pipe 3532 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/2"

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

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

Top Packer Depth — Bottom Packer Depth 3548 Number of Packers 1 Packer Size 6 3/4"

TESTED FROM 3548 TO 3568 ANCHOR LENGTH 20 TOTAL DEPTH 3568 Hole Size 7 7/8"

LEASE & WELL NO. Pawnee #1-13 FORMATION TESTED Arbuckle TEST NO. 7

Mud Weight 9.1 Viscosity 62 Water Loss 8 1/2 Chlorides - Pits 8700 D.S.T. —

Maximum Temp. 115 °F Initial Hydrostatic Pressure (A) 1805 P.S.I. Final Hydrostatic Pressure (H) 1763 P.S.I.

Tool Open I.F.P. from 7:30 A.M. to 7:45 A.M. 15 min

Tool Closed I.C.I.P. from 7:45 A.M. to 8:15 A.M. 30 min

Tool Open F.F.P. from 8:15 A.M. to 9:00 A.M. 45 min

Tool Closed F.C.I.P. from 9:00 A.M. to 10:30 A.M. 90 min

Initial Blow fair blow built to the bottom of a 5 column bucket in 5 min.

Final Blow Strong blow - Decreased to fair

Total Feet Recovered 40

40 Feet of SLIGHTLY oil cut mud Gravity of Oil — Corrected

3300 Feet of Gas in the P.P.s 30 % Gas 15 % Oil 55 % Mud 0 % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

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

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

Feet of — % Gas — % Oil — % Mud — % Water

from [B] 38 P.S.I. to [C] 46 P.S.I.
[D] 907 P.S.I.
from [E] 43 P.S.I. to [F] 48 P.S.I.
[G] 1077 P.S.I.

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Extra Equipment - Jars none Safety Joint yes Extra Packer none Straddle none Hook Wall none

Top Recorder No. 4143 Clock No. Electric Depth 3564 Cir. Sub none Sampler none

Bottom Recorder No. 5463 Clock No. 4144 Depth 3565 Insurance none

Price of Job —

Tool Operator Sam Smith

Approved By —

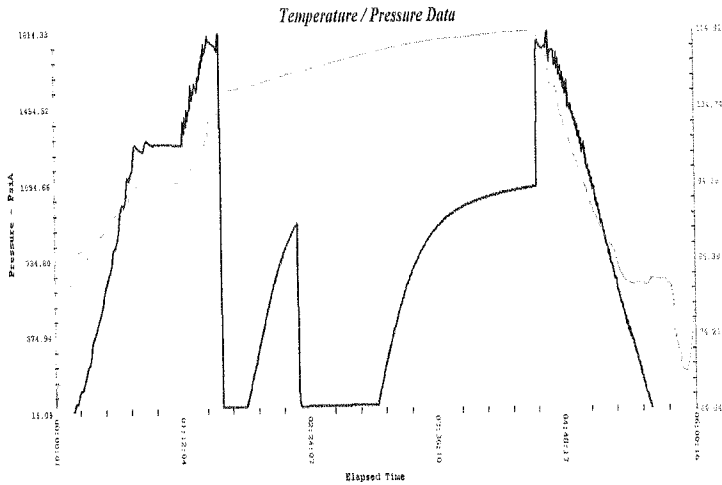
No 14473

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1805
2	Initial Flow Pressure	38
3	Final Initial Flow Pressure	46
4	Initial Shut-In Pressure	907
5	Initial Final Flow Pressure	43
6	Final Flow Pressure	48
7	Final Shut-In Pressure	1077
8	Final Hydrostatic Pressure	1763

Maximum Temperature 115

GENERAL INFORMATION

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

TEST DATE 4/23/06

SECTION-TOWN-RANGE 13-20S-14W

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1887

COMPANY REPRESENTATIVE BILL REE

LEASE AND WELL NUMBER PANNING#1-13

FORMATION TESTED ARBUCKLE

DRILL STEM TEST NUMBER 7

REPORT NUMBER 14473

ELEVATION KELLY BUSHINGS 1895

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3548

TEST INTERVAL (to) 3568

ANCHOR LENGTH 20

TOTAL DEPTH (ft) 3568

TOP PACKER DEPTH 3548

BOTTOM PACKER DEPTH 3548

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 7:30

INITIAL OPEN TOOL OPEN (to) 7:45

DURATION (min.) 15

TOOL OPEN (from) 8:15

FINAL OPEN TOOL OPEN (to) 9:00

DURATION (min.) 45

TOOL CLOSED (from) 7:45

INITIAL SHUT-IN TOOL CLOSED (to) 8:15

DURATION (min.) 30

TOOL CLOSED (from) 9:00

FINAL SHUT-IN TOOL CLOSED (to) 10:30

DURATION (min.) 90

INITIAL FLOW

FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 5 MINUTES

FINAL FLOW

STRONG BLOW DECREASED TO A FAIR BLOW

RESISTIVITY		AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY	DESCRIPTION		% GAS	% OIL	% MUD	% WATER
1) 40		SLIGHTLY OIL CUT MUD		30	15	55	0
2)							
3)							
4)							
5)							

Company: F.G.HOLL COMPANY L.L.C.
TWP. 20S RGE.14W

Lease & Well No. PANNING #1-13 Test #: 7 Date: 04-23-2006 SEC. 13

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	E.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	PANNING#1-13
TEST DATE	4/23/06	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	13-20S-14W	DRILL STEM TEST NUMBER	7
STATE	KANSAS	REPORT NUMBER	14473
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1895
ELEVATION GROUND LEVEL	1887	TESTING ENGINEER	GENE BUDIG
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
	18 MILES ROUND TRIP FROM		
TOP RECORDER DEPTH	3564	BOTTOM RECORDER DEPTH	3565
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3532	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	62
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8.4
		CHLORIDES-PITS	8700
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data

