

F.G. Hall Co.
Brochee 1-14

14-20s-14w
15-009-24926

Superior Testers Enterprises, Inc.

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

(316) 792-6902

1900 K.B.

Date 4-23-06 Location 1/4 1/2 SW 14-20-14 Elevation 1895 GL County Barton

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

Charts Mailed to 9431 East Central Suite 100 Wichita Kansas 67206

Drilling Contractor Petromark Drilling Rig # 2

Length Drill Pipe 2474 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 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 X 1 1/2

Top Packer Depth 2520 Bottom Packer Depth 2525 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2525 TO 2602 ANCHOR LENGTH 77 TOTAL DEPTH 2602 Hole Size 7 7/8"

LEASE & WELL NO. Brochee # 1-14 FORMATION TESTED LAWSON SAND TEST NO. 1

Mud Weight 8.4 Viscosity 43 Water Loss 12.9 Chlorides - Pits 7700 D.S.T. _____

Maximum Temp. 92 °F Initial Hydrostatic Pressure (A) 1298 P.S.I. Final Hydrostatic Pressure (H) 1235 P.S.I.

Tool Open I.F.P. from 3:00 AM to 3:15 AM 15 min

Tool Closed I.C.I.P. from 3:15 AM to 3:45 AM 30 min

Tool Open F.F.P. from 3:45 AM to 4:00 AM 15 min

Tool Closed F.C.I.P. from 4:00 AM to 4:30 AM 30 min

Initial Blow WEAK blow for 8 minutes & DIED

Final Blow No blow

Total Feet Recovered 15 Gravity of Oil _____ Corrected _____

15 Feet of Drilling 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 _____

Remarks _____

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

Top Recorder No. 4005 Clock No. Electric Depth 2598 Cir. Sub None Sampler None

Bottom Recorder No. 988 Clock No. 47441 Depth 2594 Insurance None

Price of Job _____

Tool Operator Gene Smiley

Approved By _____

No 14476

from [B]	<u>59</u>	P.S.I. to [C]	<u>60</u>	P.S.I.
[D]	<u>109</u>			P.S.I.
from [E]	<u>59</u>	P.S.I. to [F]	<u>60</u>	P.S.I.
[G]	<u>81</u>			P.S.I.

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, 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. Lease & Well No. BROCHER #1-14 Test #: 1 Date: 04-23-2006 SEC. 14
 TWP. 20S RGE. 14W

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1298
2	Initial Flow Pressure	59
3	Final Initial Flow Pressure	60
4	Initial Shut-In Pressure	109
5	Initial Final Flow Pressure	59
6	Final Flow Pressure	60
7	Final Shut-In Pressure	81
8	Final Hydrostatic Pressure	1235

Maximum Temperature 92

GENERAL INFORMATION

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

TEST DATE 4/23/06

LEASE AND WELL NUMBER BROCHER #1-14

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

FORMATION TESTED LANGDON SAND

STATE KANSAS

DRILL STEM TEST NUMBER 1

COUNTY BARTON

REPORT NUMBER 14476

ELEVATION GROUND LEVEL 1895

ELEVATION KELLY BUSHINGS 1900

COMPANY REPRESENTATIVE RENE

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2525

TOP PACKER DEPTH 2520

TEST INTERVAL (to) 2602

BOTTOM PACKER DEPTH 2525

ANCHOR LENGTH 77

NUMBER OF PACKERS 2

TOTAL DEPTH (ft) 2602

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 3:00

TOOL OPEN (from) 3:45

INITIAL OPEN TOOL OPEN (to) 3:15

FINAL OPEN TOOL OPEN (to) 4:00

DURATION (min.) 15

DURATION (min.) 15

TOOL CLOSED (from) 3:15

TOOL CLOSED (from) 4:00

INITIAL SHUT-IN TOOL CLOSED (to) 3:45

FINAL SHUT-IN TOOL CLOSED (to) 4:30

DURATION (min.) 30

DURATION (min.) 30

INITIAL FLOW WEAK BLOW FOR 8 MINUTES AND DIED

FINAL FLOW NO BLOW

RESISTIVITY AT DEGREES CHLORIDES

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 15	DRILLING MUD				
2)					
3)					
4)					
5)					

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	E.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	BROCHER #1-14
TEST DATE	4/23/06	FORMATION TESTED	LANGDON SAND
SECTION-TOWN-RANGE	14-20S-14W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14476
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1900
ELEVATION GROUND LEVEL	1895	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	RENE		

EXTRA EQUIPMENT

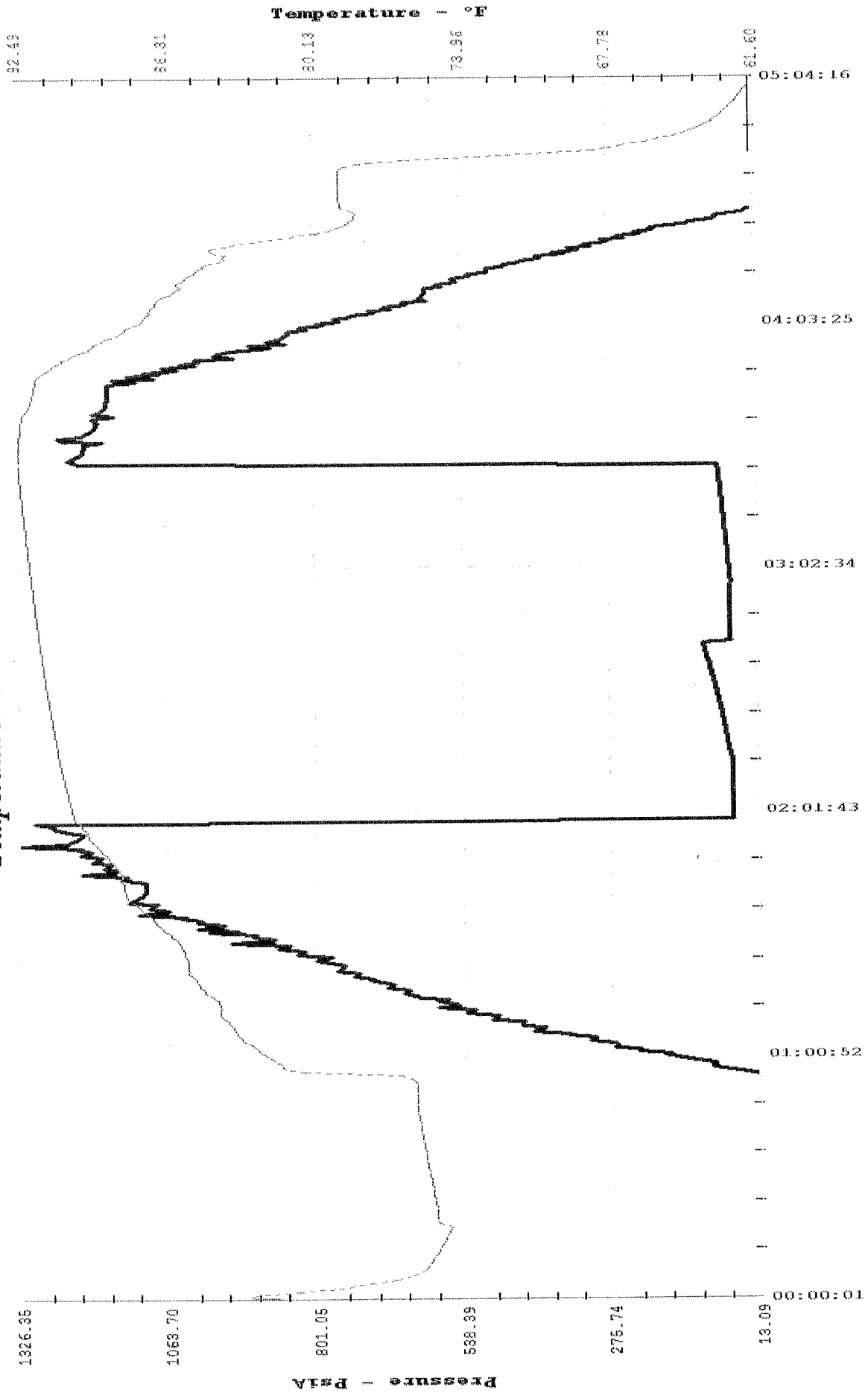
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	2598	BOTTOM RECORDER DEPTH	2599
RECORDER NUMBER	4005	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	PETROMARK DRILLING RIG #2		
DRILL PIPE LENGTH	2474	DRILL COLLAR LENGTH	
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	8.65
WEIGHT PIPE I.D.	2.25	VISCOSITY	43
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	12
		CHLORIDES-PITS	7700
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 04-25-2006 Location 1/2 - 1/2 - S W 14-20-14 Elevation 1895 County Barton

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

Charts Mailed to 9431 East Central Suite 100 Wichita Kansas 67206

Drilling Contractor Petromark Drilling Plo 2

Length Drill Pipe 3217 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 30 I.D. Drill Collars 2.25 Tool Joint Size NONE 4 1/2" X 1 1/2"

Top Packer Depth 3263 Bottom Packer Depth 3268 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3268 TO 3318 ANCHOR LENGTH 50 TOTAL DEPTH 3318 Hole Size 7 1/8"

LEASE & WELL NO. brocher # 1-14 FORMATION TESTED Kansas City NP TEST NO. 2

Mud Weight 9.3 Viscosity 55 Water Loss 11.8 Chlorides - Pits 11,8000 D.S.T. _____

Maximum Temp. 102 °F Initial Hydrostatic Pressure (A) 1729 P.S.I. Final Hydrostatic Pressure (H) 1655 P.S.I.

Tool Open I.F.P. from 6:00 A.M. to 6:15 P.M. 15 min

Tool Closed I.C.I.P. from 6:45 A.M. to 6:45 P.M. 30 min

Tool Open F.F.P. from 6:45 P.M. to 7:00 P.M. 15 min

Tool Closed F.C.I.P. from 7:00 P.M. to 7:30 P.M. 30 min

Initial Blow WEAK Blow for 7 minutes & Died

Final Blow no blow

Total Feet Recovered _____ Gravity of Oil _____ Corrected

Feet of	% Gas	% Oil	% Mud	% Water
<u>20</u> Feet of <u>oil speckle & drilling mud</u>				
_____ 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. 4005 Clock No. Electron Depth 3317 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 984 Clock No. 47442 Depth 3315 Insurance NONE

Price of Job _____

Tool Operator Dave Hulcy

Approved By _____

No 14477

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SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

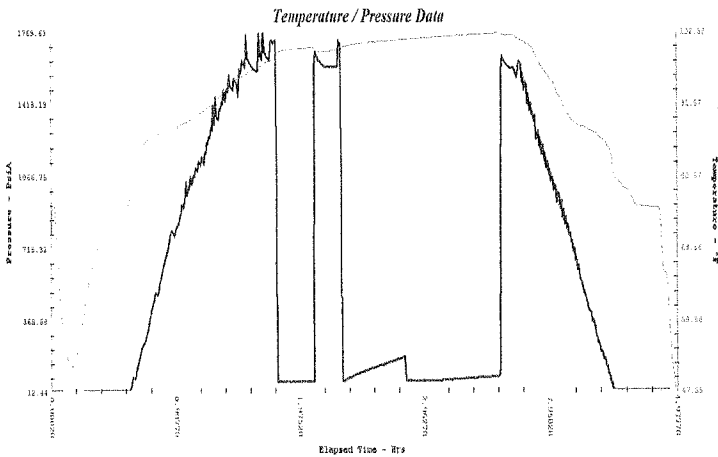
DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

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

Lease & Well No. BROCHER #1-14

Test #: 2 Date: 04-25-2006 SEC. 14



1	Initial Hydrostatic Pressure	1729
2	Initial Flow Pressure	60
3	Final Initial Flow Pressure	61
4	Initial Shut-In Pressure	184
5	Initial Final Flow Pressure	65
6	Final Flow Pressure	65
7	Final Shut-In Pressure	86
8	Final Hydrostatic Pressure	1655
Maximum Temperature		102

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY L.L.C.	
TEST DATE 4/25/06	LEASE AND WELL NUMBER BROCHER #1-14
SECTION-TOWN-RANGE 14-20S-14W	FORMATION TESTED KANSAS CITY "A-B"
STATE KANSAS	DRILL STEM TEST NUMBER 2
COUNTY BARTON	REPORT NUMBER 14477
ELEVATION GROUND LEVEL 1895	ELEVATION KELLY BUSHINGS 1900
COMPANY REPRESENTATIVE RENE	TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3268	TOP PACKER DEPTH 3263
TEST INTERVAL (to) 3318	BOTTOM PACKER DEPTH 3268
ANCHOR LENGTH 50	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 3318	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

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

INITIAL FLOW WEAK BLOW FOR 7 MINUTES AND DIED

FINAL FLOW NO BLOW

RESISTIVITY		AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY			%	%	%	%
Recovery	DESCRIPTION			GAS	OIL	MUD	WATER
1)	20	OIL SPECKED DRILLING MUD					
2)							
3)							
4)							
5)							

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	BROCHER #1-14
TEST DATE	4/25/06	FORMATION TESTED	KANSAS CITY "A-B
SECTION-TOWN-RANGE	14-20S-14W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	14477
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1900
ELEVATION GROUND LEVEL	1895	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	RENE		

EXTRA EQUIPMENT

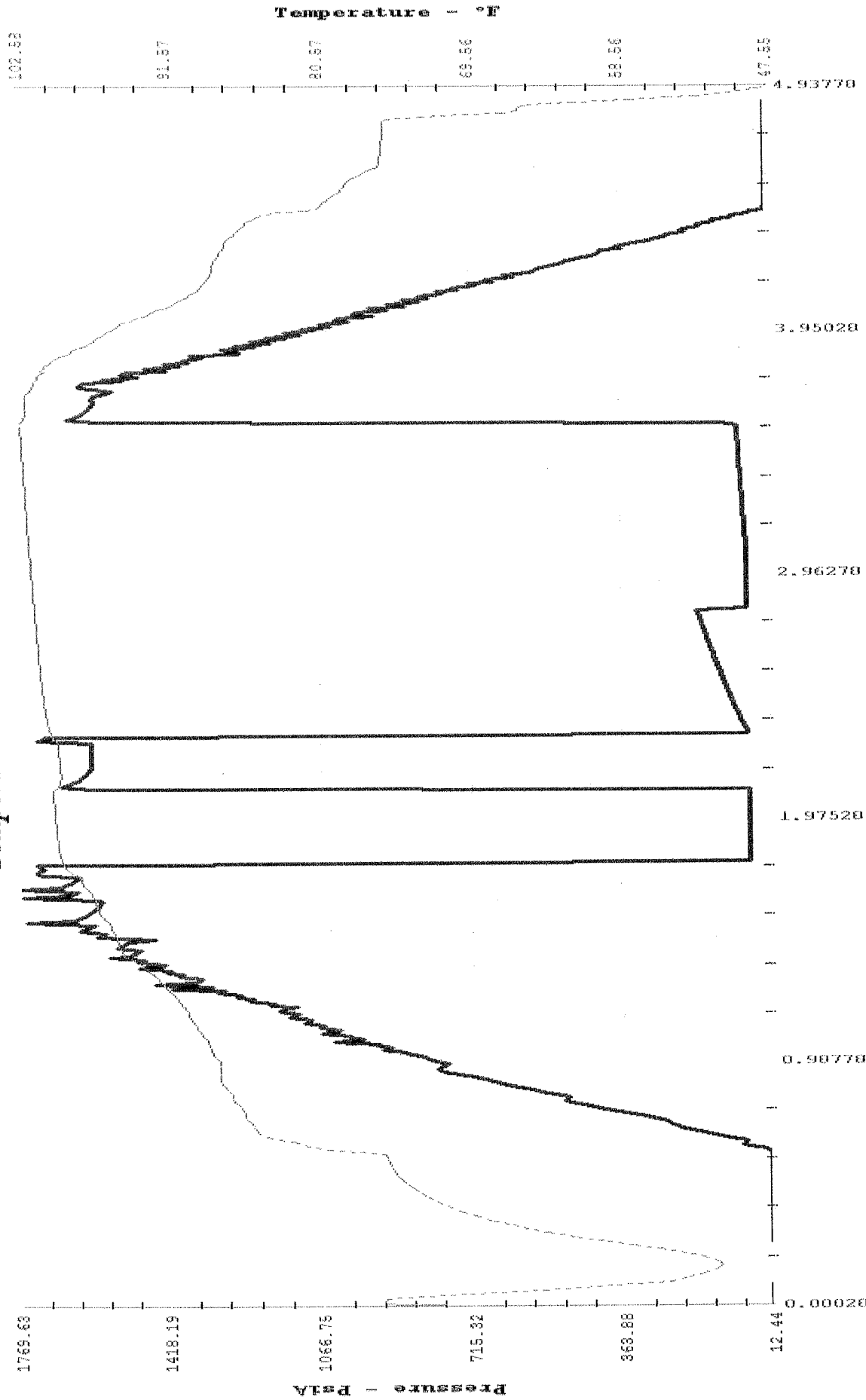
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3314	BOTTOM RECORDER DEPTH	3315
RECORDER NUMBER	4005	RECORDER NUMBER	988

WELL INFORMATION

DRILLING CONTRACTOR	PETROMARK DRILLING RIG # 2		
DRILL PIPE LENGTH	3217	DRILL COLLAR LENGTH	
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.3
WEIGHT PIPE I.D.	2.25	VISCOSITY	55
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	11.8
		CHLORIDES-PITS	11800
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 04-26-2006 Location Q 1/2 - 9/2 - 9w 14-20 5-14 w Elevation 1900 KB 1895 BL County Barton

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

Charts Mailed to 9431 East Central Suite 100 Wichita Kansas 67206

Drilling Contractor Petromark Drilling No #2

Length Drill Pipe 3434 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 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X. H.

Top Packer Depth 3387 Bottom Packer Depth 3392 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3392 TO 3432 ANCHOR LENGTH 40 TOTAL DEPTH 3432 Hole Size 7 1/8"

LEASE & WELL NO. Brook #1-14 FORMATION TESTED Kansas City #1 HD TEST NO. 3

Mud Weight 9.01 Viscosity 56 Water Loss 10.4 Chlorides - Pits 9500 D.S.T.

Maximum Temp. 103 °F Initial Hydrostatic Pressure (A) 1728 P.S.I. Final Hydrostatic Pressure (H) 1649 P.S.I.

Tool Open I.F.P. from 6:45 A.m to 7:00 A.m 15 min
 Tool Closed I.C.I.P. from 7:00 A.m to 7:30 A.m 30 min
 Tool Open F.F.P. from 7:30 A.m to 7:45 A.m 15 min
 Tool Closed F.C.I.P. from 7:45 A.m to 8:15 A.m 30 min
 Initial Blow WEAK blow for 12 minutes & DIED

from [B] 49 P.S.I. to [C] 51 P.S.I.
 [D] 174 P.S.I.
 from [E] 50 P.S.I. to [F] 53 P.S.I.
 [G] 1608 P.S.I.

Final Blow weak blow for 12 minutes & DIED

Total Feet Recovered _____ Gravity of Oil _____ Corrected

<u>60</u> Feet of	<u>Gas in the A.P.R</u>	% Gas	% Oil	% Mud	% Water
<u>15</u> Feet of	<u>oil & Gas at mud</u>	<u>5</u> % Gas	<u>25</u> % Oil	<u>70</u> % Mud	<u>0</u> % Water
_____ Feet of	<u>Good signs of clear oil between</u>	% Gas	% Oil	% Mud	% Water
_____ Feet of	<u>the tools</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

Remarks _____

Extra Equipment - Jars NONE Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE
 Top Recorder No. 4005 Clock No. Electron Depth 3428 Cir. Sub NONE Sampler NONE
 Bottom Recorder No. 966 Clock No. 47041 Depth 3429 Insurance NONE

Price of Job _____
 Tool Operator Same Body
 Approved By _____

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NO 14478

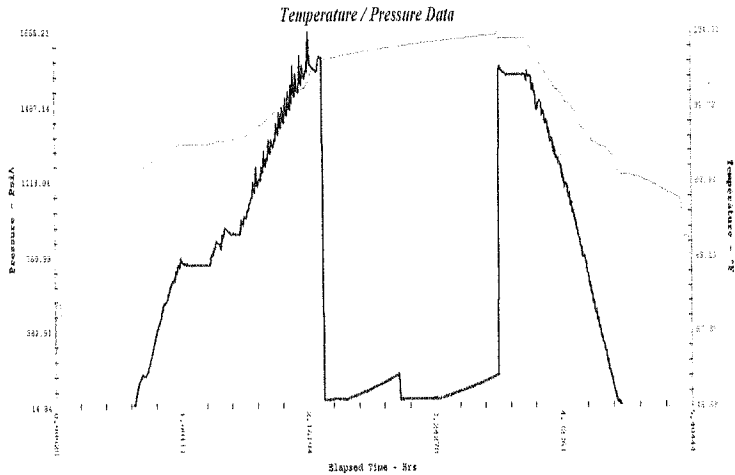
SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

1(800)792-6902

GREAT BEND, KANSAS 67530

Company: **F.G.HOLL COMPANY L.L.C.** Lease & Well No. **BROCHER #1-14** Test #: **3** Date: **04-26-2006** SEC. **14**
TWP. 20S RGE. 14W



1	Initial Hydrostatic Pressure	1728
2	Initial Flow Pressure	49
3	Final Initial Flow Pressure	51
4	Initial Shut-In Pressure	174
5	Initial Final Flow Pressure	50
6	Final Flow Pressure	53
7	Final Shut-In Pressure	168
8	Final Hydrostatic Pressure	1649
Maximum Temperature		103

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY L.L.C.	
TEST DATE 4/26/06	LEASE AND WELL NUMBER BROCHER #1-14
SECTION-TOWN-RANGE 14-20S-14W	FORMATION TESTED KANSAS CITY "H-I"
STATE KANSAS	DRILL STEM TEST NUMBER 3
COUNTY BARTON	REPORT NUMBER 14478
ELEVATION GROUND LEVEL 1895	ELEVATION KELLY BUSHINGS 1900
COMPANY REPRESENTATIVE RENE	TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3392	TOP PACKER DEPTH 3387
TEST INTERVAL (to) 3432	BOTTOM PACKER DEPTH 3392
ANCHOR LENGTH 40	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 3432	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

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

INITIAL FLOW WEAK BLOW FOR 12 MINUTES AND DIED

FINAL FLOW WEAK BLOW FOR 12 MINUTES AND DIED

		RESISTIVITY	AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY	RECOVERY DESCRIPTION			%	%	%	%
Recovery					GAS	OIL	MUD	WATER
1)	60	GAS IN THE PIPE						
2)	15	OIL AND GAS CUT MUD			5	25	70	0
3)		THERE WAS A GOOD SHOW OF FREE OIL BETWEEN TH						
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.
TEST DATE 4/26/06
SECTION-TOWN-RANGE 14-20S-14W
STATE KANSAS
COUNTY BARTON
ELEVATION GROUND LEVEL 1895
COMPANY REPRESENTATIVE RENE
LEASE AND WELL NUMBER BROCHER #1-14
FORMATION TESTED KANSAS CITY "H-I"
DRILL STEM TEST NUMBER 3
REPORT NUMBER 14478
ELEVATION KELLY BUSHINGS 1900
TESTING ENGINEER GENE BUDIG

EXTRA EQUIPMENT

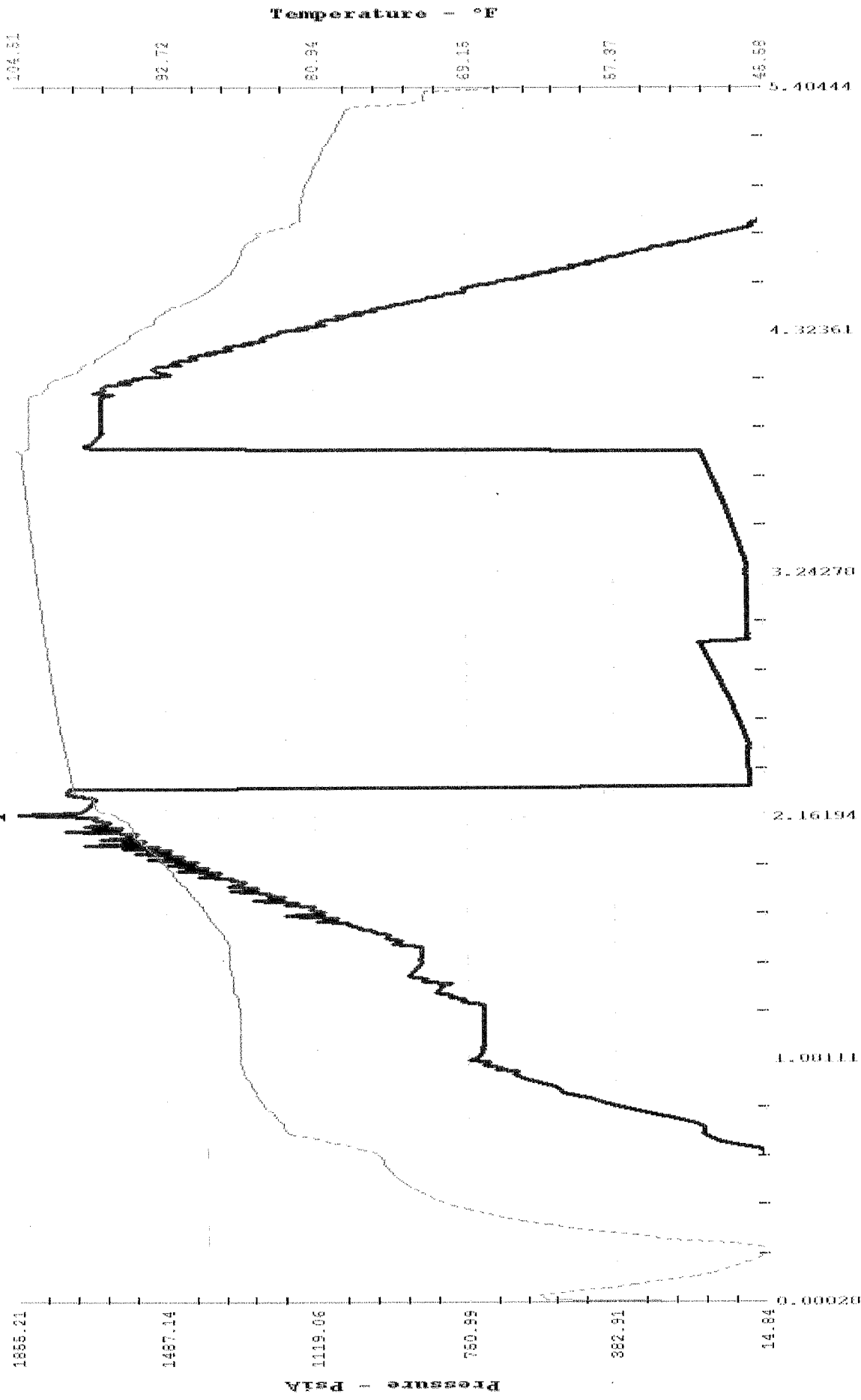
JARS NO
SAFETY JOINT NO
ELECTRONIC RECORDER YES
CIRCULATING SUB NO
TOP RECORDER DEPTH 3428
RECORDER NUMBER 91981
EXTRA PACKER (3RD) NO
EXTRA PACKER (4TH) NO
STRADDLE NO
HOOK WALL NO
SAMPLER NO
9 MILES ROUND TRIP FROM GREAT BEND
BOTTOM RECORDER DEPTH 3429
RECORDER NUMBER 5463

WELL INFORMATION

DRILLING CONTRACTOR PETROMARK DRILLING RIG #2
DRILL PIPE LENGTH 3434
DRILL PIPE I.D. 3.8
TOOL JOINT SIZE 4 1/2 X.H.
WEIGHT PIPE LENGTH
WEIGHT PIPE I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.
DRILL COLLAR LENGTH 30
DRILL COLLAR I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.
MUD WEIGHT #/GAL 9.8
VISCOSITY 56
WATER LOSS 10.2
CHLORIDES-PITS 9500
CHLORIDES-DST

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

1900KB,

Date 04-27-2006 Location 4 1/2 - 12 - 3/4 14-20^S-14^W Elevation 1895.6L County Barton

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

Charts Mailed to 9431 East Central Suite 100 Wichita Kansas 67206

Drilling Contractor Petromark Drilling Rig #2

Length Drill Pipe 3361 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 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3407 Bottom Packer Depth 3412 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3412 TO 3480 ANCHOR LENGTH 68 TOTAL DEPTH 3480 Hole Size 7 7/8"

LEASE & WELL NO. Brocher #1-14 FORMATION TESTED Kansas P14"JEK" TEST NO. 4

Mud Weight 9.4 Viscosity 48 Water Loss 9.7 Chlorides - Pits 8300 D.S.T. _____

Maximum Temp. 103 °F Initial Hydrostatic Pressure (A) 1729 P.S.I. Final Hydrostatic Pressure (H) 1703 P.S.I.

Tool Open I.F.P. from 2:45 A.m to 3:00 A.m 15 min

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

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

Tool Closed F.C.I.P. from 3:45 A.m to 4:15 A.m 30 min

Initial Blow WEAK surface blow for 12 minutes & DIED

Final Blow no blow

Total Feet Recovered 70 Gravity of Oil _____ Corrected _____

70 Feet of Drilling 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. 4005 Clock No. Electronic Depth 3476 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 988 Clock No. 47442 Depth 3477 Insurance NONE

Price of Job _____

Tool Operator Gene Budig

Approved By Gene Budig No. 14479

from [B] <u>67</u> P.S.I. to [C] <u>87</u> P.S.I.
[D] _____ <u>1100</u> _____ <u>104</u> P.S.I.
from [E] <u>1100</u> P.S.I. to [F] <u>92</u> P.S.I.
[G] _____ <u>1046</u> _____ P.S.I.

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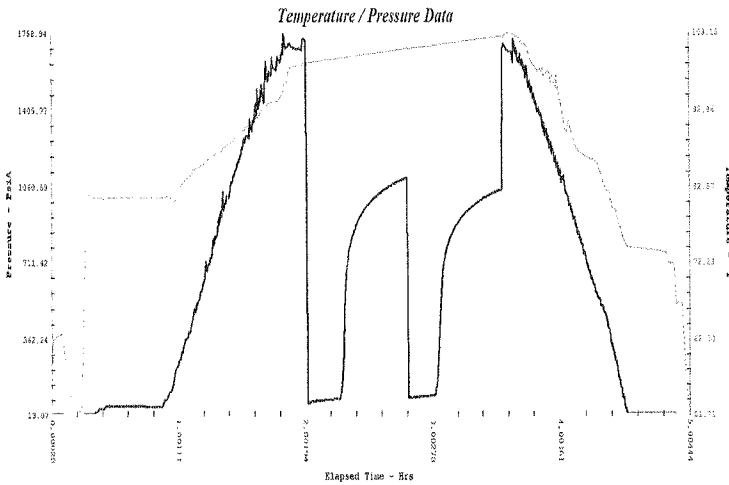
SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. BROCHER #1-14 Test #: 4 Date: 04-27-2006 SEC. 14
 TWP. 20S RGE. 14W



1	Initial Hydrostatic Pressure	1729
2	Initial Flow Pressure	67
3	Final Initial Flow Pressure	87
4	Initial Shut-In Pressure	1100
5	Initial Final Flow Pressure	92
6	Final Flow Pressure	101
7	Final Shut-In Pressure	1046
8	Final Hydrostatic Pressure	1703
Maximum Temperature		103

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY L.L.C.	
TEST DATE 4/27/06	LEASE AND WELL NUMBER BROCHER #1-14
SECTION-TOWN-RANGE 14-20S-14W	FORMATION TESTED KANSAS CITY "J&K"
STATE KANSAS	DRILL STEM TEST NUMBER 4
COUNTY BARTON	REPORT NUMBER 14479
ELEVATION GROUND LEVEL 1895	ELEVATION KELLY BUSHINGS 1900
COMPANY REPRESENTATIVE RENE	TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3412	TOP PACKER DEPTH 3407
TEST INTERVAL (to) 3480	BOTTOM PACKER DEPTH 3412
ANCHOR LENGTH 68	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 3480	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 2:45	TOOL OPEN (from) 3:30
INITIAL OPEN TOOL OPEN (to) 3:00	FINAL OPEN TOOL OPEN (to) 3:45
DURATION (min.) 15	DURATION (min.) 15
TOOL CLOSED (from) 3:00	TOOL CLOSED (from) 3:45
INITIAL SHUT-IN TOOL CLOSED (to) 3:30	FINAL SHUT-IN TOOL CLOSED (to) 4:15
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	DESCRIPTION			%	%	%	%
Recovery					GAS	OIL	MUD	WATER
1)	70	DRILLIN G MUD						
2)								
3)								
4)								
5)								

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	BROCHER #1-14
TEST DATE	4/27/06	FORMATION TESTED	KANSAS CITY"J&K"
SECTION-TOWN-RANGE	14-20S-14W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	14479
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1900
ELEVATION GROUND LEVEL	1895	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	RENE		

EXTRA EQUIPMENT

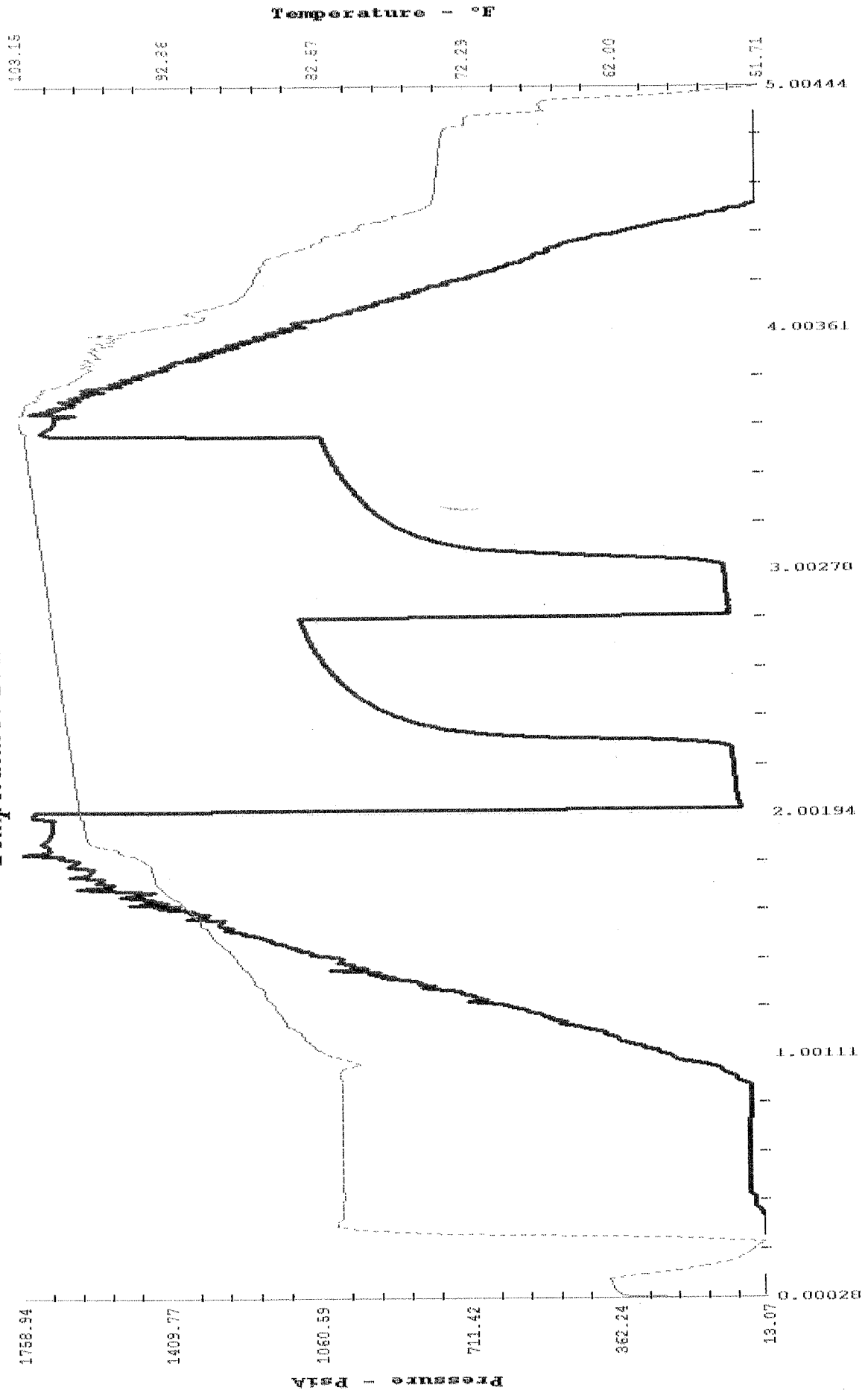
JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3476	BOTTOM RECORDER DEPTH	3477
RECORDER NUMBER	4005	RECORDER NUMBER	988

WELL INFORMATION

DRILLING CONTRACTOR	PETROMARK DRILLING RIG #2		
DRILL PIPE LENGTH	3361	DRILL COLLAR LENGTH	30
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.2
WEIGHT PIPE I.D.	2.25	VISCOSITY	48
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	9.2
		CHLORIDES-PITS	8300
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 4-27-08 Location 9 1/2 4-5 14-20-14 Elevation 18956L County Barton

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

Charts Mailed to 9431 East Central La Fete Wichita Kansas 67206

Drilling Contractor Petromark Drilling Rig #2

Length Drill Pipe 3465 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" x 1 1/4"

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 3481 Bottom Packer Depth 3486 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3486 TO 3550 ANCHOR LENGTH 64 TOTAL DEPTH 3550 Hole Size 7 7/8"

LEASE & WELL NO. Brocher #1-14 FORMATION TESTED Arbuckle TEST NO. 5

Mud Weight 9.9 Viscosity 47 Water Loss 104 Chlorides - Pits 10,000 D.S.T. _____

Maximum Temp. 106 °F Initial Hydrostatic Pressure (A) 1752 P.S.I. Final Hydrostatic Pressure (H) 1715 P.S.I.

Tool Open I.F.P. from 7:15 pm to 7:30 pm 15 min

Tool Closed I.C.I.P. from 7:30 pm to 8:00 pm 30 min

Tool Open F.F.P. from 8:00 pm to 8:45 pm 45 min

Tool Closed F.C.I.P. from 8:45 pm to 10:15 pm 90 min

Initial Blow WEAK building blow built to 3 1/2 inches into the water

Final Blow 90 Weak surface blow

Total Feet Recovered 90 Gravity of Oil _____ Corrected _____

90 Feet of Drilling 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. 4005 Clock No. Electronic Depth 3546 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 988 Clock No. 47441 Depth 3547 Insurance NONE

Price of Job _____

Tool Operator Sam Budig

Approved By _____

No 14480

from [B] <u>67</u> P.S.I. to [C] <u>76</u> P.S.I.
[D] <u>110</u> P.S.I.
from [E] <u>82</u> P.S.I. to [F] <u>92</u> P.S.I.
[G] <u>124</u> P.S.I.

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SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

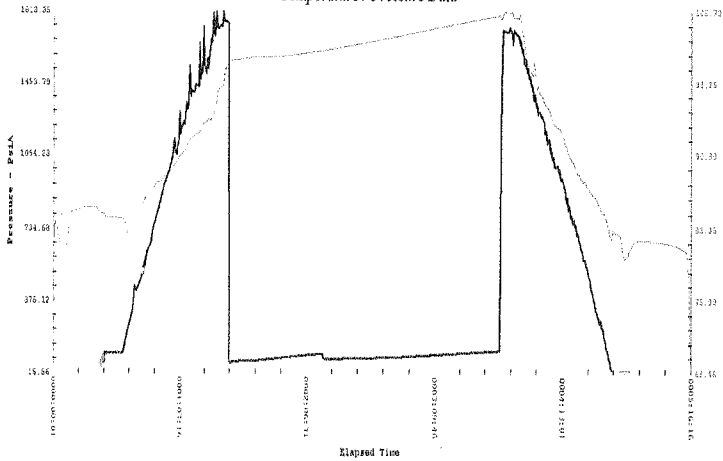
GREAT BEND, KANSAS 67530

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

TWP. 20S RGE. 14W Lease & Well No. BROCHER #1-14

Test #: 5 Date: 04-27-2006 SEC. 14

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1752
2	Initial Flow Pressure	67
3	Final Initial Flow Pressure	76
4	Initial Shut-In Pressure	110
5	Initial Final Flow Pressure	82
6	Final Flow Pressure	92
7	Final Shut-In Pressure	124
8	Final Hydrostatic Pressure	1715

Maximum Temperature 106

GENERAL INFORMATION

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

TEST DATE 4/27/06

LEASE AND WELL NUMBER BROCHER #1-14

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

FORMATION TESTED ARBUCKLE

STATE KANSAS

DRILL STEM TEST NUMBER 5

COUNTY BARTON

REPORT NUMBER 14480

ELEVATION GROUND LEVEL 1895

ELEVATION KELLY BUSHINGS 1900

COMPANY REPRESENTATIVE RENE

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3486

TOP PACKER DEPTH 3481

TEST INTERVAL (to) 3550

BOTTOM PACKER DEPTH 3486

ANCHOR LENGTH 64

NUMBER OF PACKERS 2

TOTAL DEPTH (ft) 3550

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 7:15

TOOL OPEN (from) 8:00

INITIAL OPEN TOOL OPEN (to) 7:30

FINAL OPEN TOOL OPEN (to) 8:30

DURATION (min.) 15

DURATION (min.) 30

TOOL CLOSED (from) 7:30

TOOL CLOSED (from) 8:30

INITIAL SHUT-IN TOOL CLOSED (to) 8:00

FINAL SHUT-IN TOOL CLOSED (to) 9:30

DURATION (min.) 30

DURATION (min.) 60

INITIAL FLOW

WEAK BUILDING BLOW BUILT TO 3 1/2 INCHES INTO THE WATER

FINAL FLOW

WEAK BUILDING BLOW BUILT TO 2 INCHES INTO THE WATER AND DECREASED TO A WEAK SURFACE BLOW

RESISTIVITY AT DEGREES CHLORIDES

FEET OF Recovery	RECOVERY DESCRIPTION	CHLORIDES			
		% GAS	% OIL	% MUD	% WATER
1) 90	drilling mud				
2)					
3)					
4)					
5)					

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME **F.G.HOLL COMPANY L.L.C.**
TEST DATE **4/27/06** LEASE AND WELL NUMBER **BROCHER #1-14**
SECTION-TOWN-RANGE **14-20S-14W** FORMATION TESTED **ARBUCKLE**
STATE **KANSAS** DRILL STEM TEST NUMBER **5**
COUNTY **BARTON** REPORT NUMBER **14480**
ELEVATION GROUND LEVEL **1895** ELEVATION KELLY BUSHINGS **1900**
COMPANY REPRESENTATIVE **RENE** TESTING ENGINEER **GENE BUDIG**

EXTRA EQUIPMENT

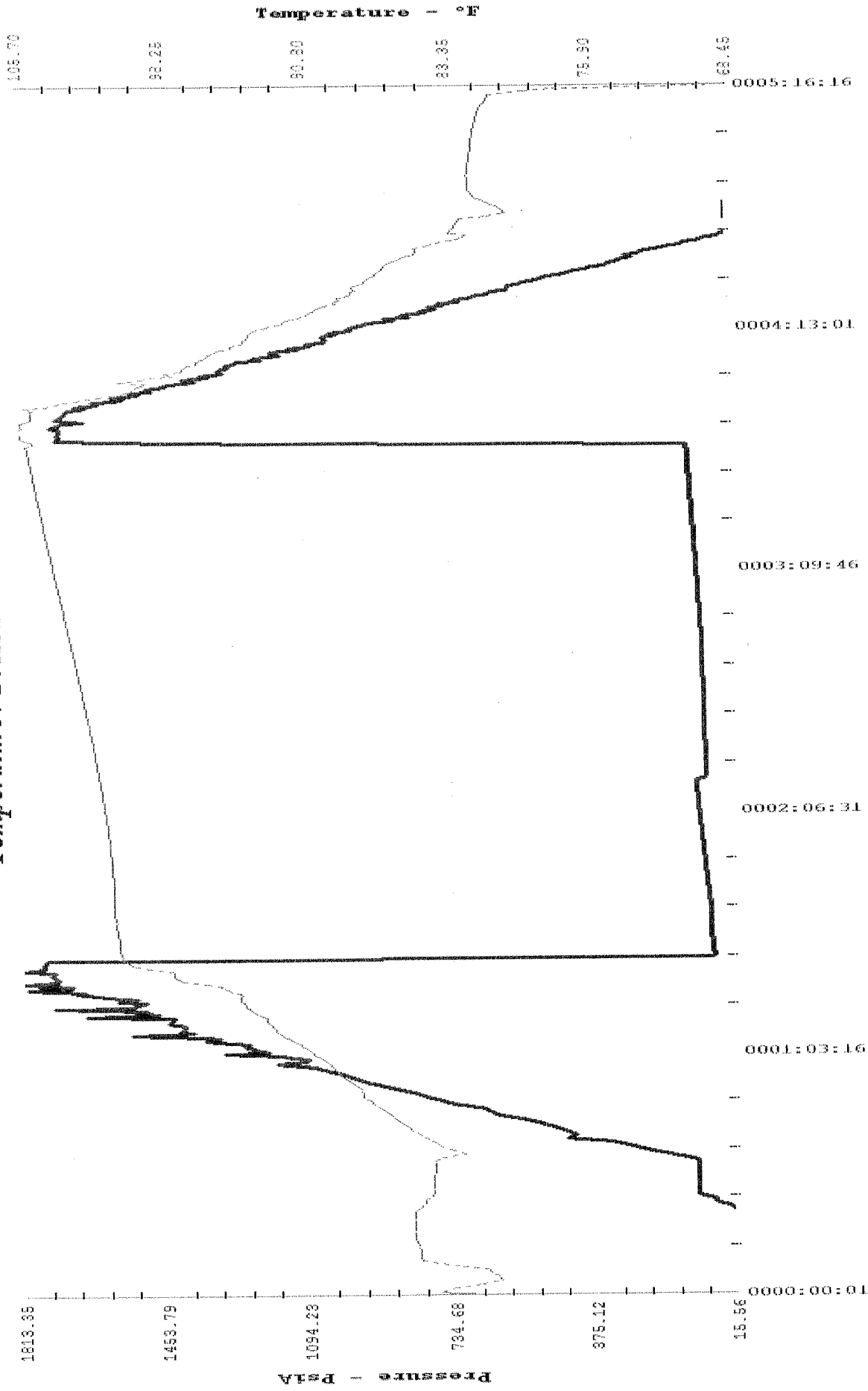
JARS **NO** EXTRA PACKER (3RD) **NO**
SAFETY JOINT **YES** EXTRA PACKER (4TH) **NO**
ELECTRONIC RECORDER **YES** STRADDLE **NO**
CIRCULATING SUB **NO** HOOK WALL **NO**
TOP RECORDER DEPTH **3546** SAMPLER **NO**
RECORDER NUMBER **4005** **18 MILES ROUND TRIP FROM GREAT BEND**
BOTTOM RECORDER DEPTH **3547**
RECORDER NUMBER **988**

WELL INFORMATION

DRILLING CONTRACTOR **PETROMARK DRILLING RIG #2**
DRILL PIPE LENGTH **3465** DRILL COLLAR LENGTH
DRILL PIPE I.D. **3.8** DRILL COLLAR I.D. **2.25**
TOOL JOINT SIZE **4 1/2 X.H.** TOOL JOINT SIZE **4 1/2 X.H.**
WEIGHT PIPE LENGTH MUD WEIGHT #/GAL **9**
WEIGHT PIPE I.D. **2.25** VISCOSITY **47**
TOOL JOINT SIZE **4 1/2 X.H.** WATER LOSS **10.4**
CHLORIDES-PITS **10000**
CHLORIDES-DST

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 04-28-2006 Location 1/2 - 1/2 - 3/16 14-20^s - 14^u Elevation 18956L County Barton 1900 KB

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

Charts Mailed to 9431 East Central Suite 100 Wichita Kansas 67206

Drilling Contractor Petromar Drilling No 2

Length Drill Pipe 3534 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 30 I.D. Drill Collars NONE 2.25 Tool Joint Size N 4 1/2" x 1 1/2"

Top Packer Depth - Bottom Packer Depth 35050 Number of Packers 1 Packer Size 6 3/4"

TESTED FROM 35050 TO 3570 ANCHOR LENGTH 20 TOTAL DEPTH 3570 Hole Size 7 7/8"

LEASE & WELL NO. Brochee # 1-14 FORMATION TESTED Archie TEST NO. 6

Mud Weight 9.01 Viscosity 47 Water Loss 10²¹ Chlorides - Pits 10,000 D.S.T. _____

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1834 P.S.I. Final Hydrostatic Pressure (H) 1736 P.S.I.

Tool Open I.F.P. from 9:55 m to 10:00 m 5 min

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

Tool Open F.F.P. from 10:30 m to 10:45 m 45 min

Tool Closed F.C.I.P. from 10:45 m to 12:45 m 90 min

from [B] <u>42</u> P.S.I. to [C] <u>30</u> P.S.I.
[D] <u>1134</u> P.S.I.
from [E] <u>37</u> P.S.I. to [F] <u>44</u> P.S.I.
[G] <u>1183</u> P.S.I.

Initial Blow Strong Blow

Final Blow Strong Blow - Gas to Surface in 2 minutes - See Gas Flow Report

Total Feet Recovered 40 Gravity of Oil _____ Corrected _____

Feet of	% Gas	% Oil	% Mud	% Water
<u>40</u> Feet of <u>Coarse Sand</u>	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____
_____ Feet of _____	_____	_____	_____	_____

Remarks _____

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

Top Recorder No. 4005 Clock No. Electro Depth 3566 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 988 Clock No. 47442 Depth 3567 Insurance NONE

Price of Job _____

Tool Operator Jim Budy

Approved By _____

No 14481

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SUPERIOR TESTERS ENTERPRISES L.L.C.

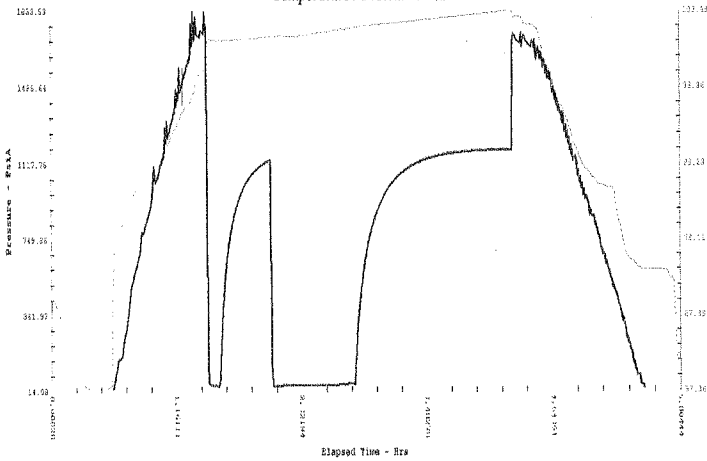
1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: **F.G.HOLL COMPANY L.L.C.**
 TWP. 20S RGE. 14W
 Lease & Well No. **BROCHER #1-14**
 Test #: **6**
 Date: **04-28-2006**
 SEC. **14**

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1834
2	Initial Flow Pressure	42
3	Final Initial Flow Pressure	38
4	Initial Shut-In Pressure	1134
5	Initial Final Flow Pressure	37
6	Final Flow Pressure	44
7	Final Shut-In Pressure	1183
8	Final Hydrostatic Pressure	1736

Maximum Temperature 108

GENERAL INFORMATION

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

TEST DATE **4/28/06**

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

STATE **KANSAS**

COUNTY **BARTON**

ELEVATION GROUND LEVEL **1895**

COMPANY REPRESENTATIVE **RENE**

LEASE AND WELL NUMBER **BROCHER #1-14**

FORMATION TESTED **ARBUCKLE**

DRILL STEM TEST NUMBER **6**

REPORT NUMBER **14481**

ELEVATION KELLY BUSHINGS **1900**

TESTING ENGINEER **GENE BUDIG**

TOOL SETTING INFORMATION

TEST INTERVAL (From) **3550**

TEST INTERVAL (to) **3570**

ANCHOR LENGTH **20**

TOTAL DEPTH (ft) **3570**

TOP PACKER DEPTH **.....**

BOTTOM PACKER DEPTH **3550**

NUMBER OF PACKERS **2**

PACKER SIZE **6 3/4**

HOLE SIZE **7 7/8**

FLOW TIMES

TOOL OPEN (from) **9:55**

TOOL OPEN (from) **10:30**

INITIAL OPEN TOOL OPEN (to) **10:00**

FINAL OPEN TOOL OPEN (to) **11:15**

DURATION (min.) **5**

DURATION (min.) **45**

TOOL CLOSED (from) **10:00**

TOOL CLOSED (from) **11:15**

INITIAL SHUT-IN TOOL CLOSED (to) **10:30**

FINAL SHUT-IN TOOL CLOSED (to) **12:45**

DURATION (min.) **30**

DURATION (min.) **90**

INITIAL FLOW **STRONG BLOW**

FINAL FLOW **STRONG BLOW WITH GAS TO SURFACE IN 2 MINUTES SEE GAS FLOW REPORT**

RESISTIVITY AT DEGREES CHLORIDES

FEET OF Recovery	RECOVERY DESCRIPTION	%	%	%	%
		GAS	OIL	MUD	WATER
1) 40	GASSY MUD				
2)					
3)					
4)					
5)					

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	BROCHER #1-14
TEST DATE	4/28/06	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	14-20S-14W-	DRILL STEM TEST NUMBER	6
STATE	KANSAS	REPORT NUMBER	14481
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1900
ELEVATION GROUND LEVEL	1895	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	RENE		

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	3566	BOTTOM RECORDER DEPTH	3567
RECORDER NUMBER	4005	RECORDER NUMBER	988

WELL INFORMATION

DRILLING CONTRACTOR	PETROMARK DRILLING RIG #2		
DRILL PIPE LENGTH	3534	DRILL COLLAR LENGTH	30
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9
WEIGHT PIPE I.D.	2.25	VISCOSITY	47
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	10.2
		CHLORIDES-PITS	10000
		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 14-20S-14W-

FIELD.....

Report Number 14481

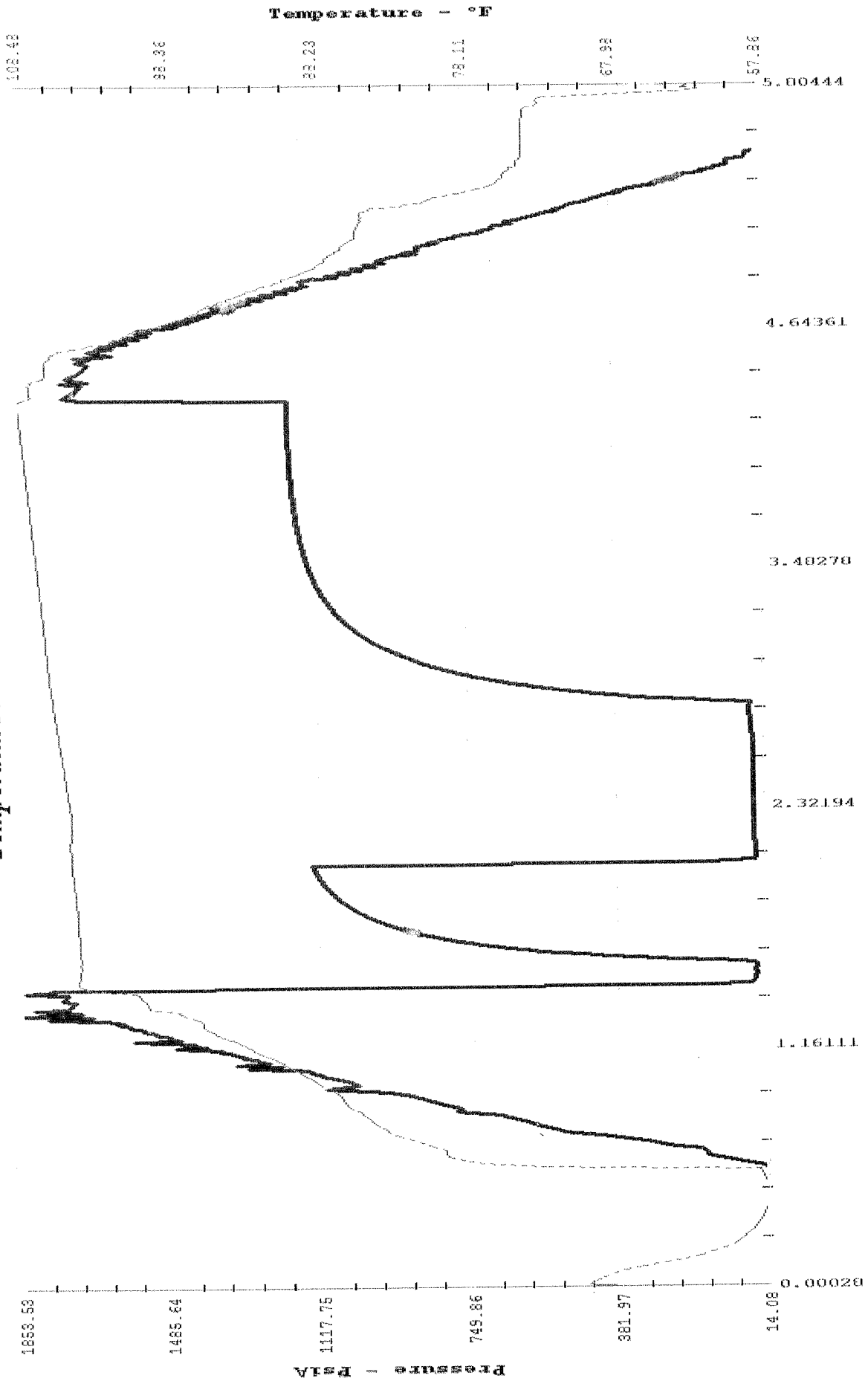
Initial Flow

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	10:35	5	12			1/2	21.900
10:30 WITH GAS	10:45	15	10			1/2	19.900
TO SURFACE IN 2	10:55	25	9			1/2	18.800
MINUTES AT	11:05	35	8			1/2	17.200
10:32	11:15	45	7			1/2	16.700
THERE WAS A GAS SAMPLE TAKEN							

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902 **KB1900**

Date 4-28-06 Location 14-20-14^W Elevation 1895 County BARTON

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

Charts Mailed to 9431 E. Central St. #100

Drilling Contractor PETROMARK Drilling RIG #2

Length Drill Pipe 3554 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

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

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

Top Packer Depth 3570 Bottom Packer Depth --- Number of Packers 1 Packer Size 6 3/4

TESTED FROM 3570 TO 3580 ANCHOR LENGTH 10 TOTAL DEPTH 3580 Hole Size 7 7/8

LEASE & WELL NO. Brocher #1-14 FORMATION TESTED ARBUCKLE TEST NO. 7

Mud Weight 9.0 Viscosity 58 Water Loss 9.4 Chlorides - Pits 11,000 D.S.T. ---

Maximum Temp. 114 °F Initial Hydrostatic Pressure (A) 1788 P.S.I. Final Hydrostatic Pressure (H) 1748 P.S.I.

Tool Open I.F.P. from 10:50 m to 11:05 m 15 min

Tool Closed I.C.I.P. from 11:05 m to 11:35 m 30 min

Tool Open F.F.P. from 11:35 m to 12:20 m 45 min

Tool Closed F.C.I.P. from 12:20 m to 1:50 m 90 min

from [B]	<u>39</u>	P.S.I. to [C]	<u>41</u>	P.S.I.
[D]	<u>1052</u>			P.S.I.
from [E]	<u>45</u>	P.S.I. to [F]	<u>65</u>	P.S.I.
[G]	<u>1084</u>			P.S.I.

Initial Blow FAIR Blow built to 7 inches in 5 gallon bucket in 15 minutes

Final Blow FAIR Blow built to 8 inches in 5 gallon bucket and decreased to 2 inches

Total Feet Recovered 80 Fluid 300 GAS Gravity of Oil --- Corrected

5 Feet of oil % Gas 100 % Oil --- % Mud --- % Water ---

15 Feet of oil cut mud % Gas 15 % Oil 85 % Mud --- % Water ---

600 Feet of oil mud cut water % Gas 15 % Oil 30 % Mud 55 % Water ---

Feet of --- % Gas --- % Oil --- % Mud --- % Water ---

Feet of --- % Gas --- % Oil --- % Mud --- % Water ---

Feet of --- % Gas --- % Oil --- % Mud --- % Water ---

Feet of --- % Gas --- % Oil --- % Mud --- % Water ---

Feet of --- % Gas --- % Oil --- % Mud --- % Water ---

Feet of --- % Gas --- % Oil --- % Mud --- % Water ---

Remarks ---

Extra Equipment - Jars --- Safety Joint YES Extra Packer --- Straddle --- Hook Wall ---

Top Recorder No. 4005 Clock No. electronic Depth 3576 Cir. Sub --- Sampler ---

Bottom Recorder No. 7895 Clock No. 3539 Depth 3577 Insurance ---

Price of Job ---

Tool Operator NATHAN MANRENG

Approved By No 14353

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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 LLC.	LEASE AND WELL NUMBER	BROCHER #1-14
TEST DATE	4/28/06	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	14-20-14W	DRILL STEM TEST NUMBER	7
STATE	KANSAS	REPORT NUMBER	14353
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1900
ELEVATION GROUND LEVEL	1895	TESTING ENGINEER	NATHAN MANRING
COMPANY REPRESENTATIVE	RENE		

EXTRA EQUIPMENT

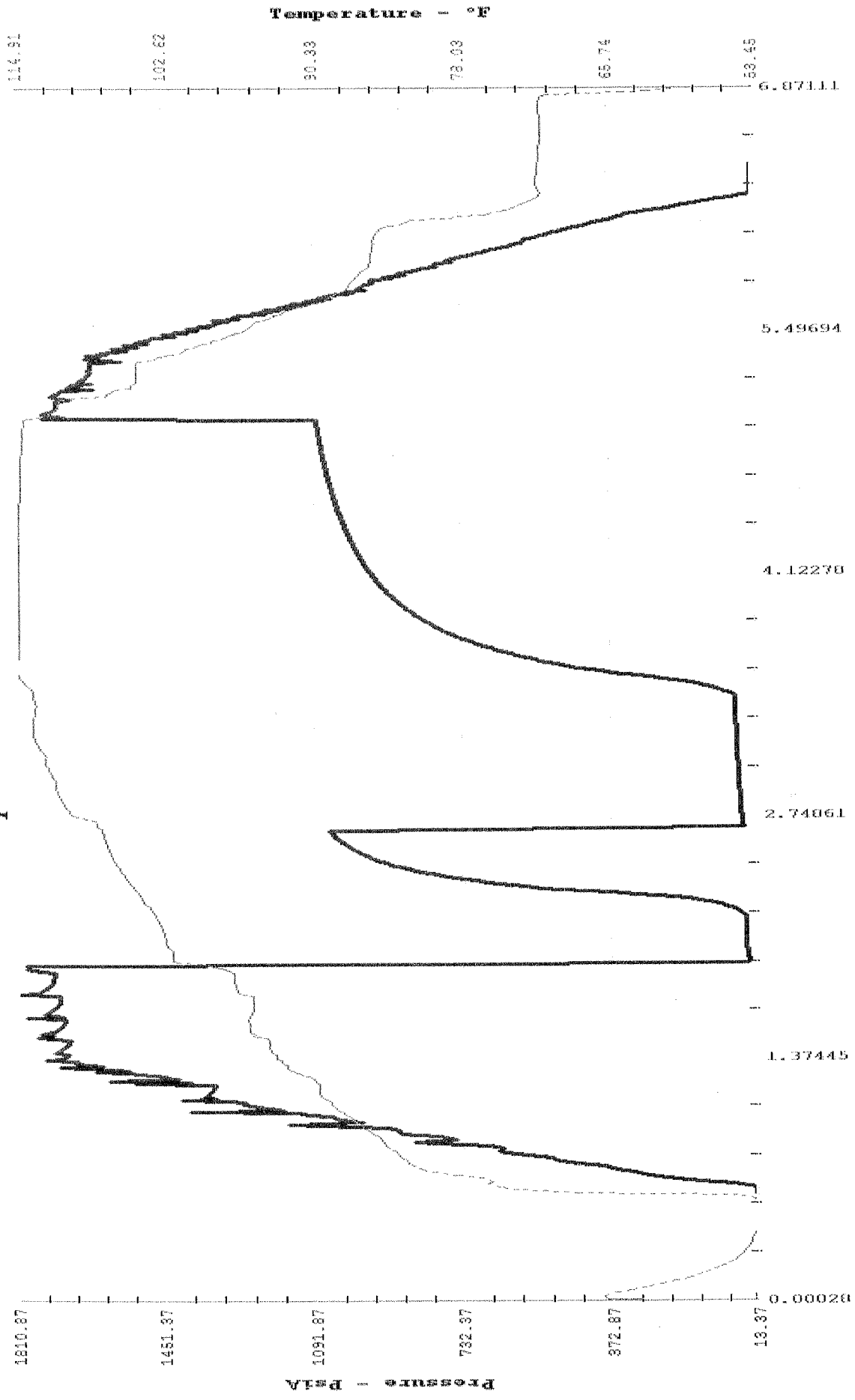
JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	18 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3576	BOTTOM RECORDER DEPTH	3577
RECORDER NUMBER	4005	RECORDER NUMBER	988

WELL INFORMATION

DRILLING CONTRACTOR	PETROMARK DRILLING RIG #2	DRILL COLLAR LENGTH	NONE
DRILL PIPE LENGTH	3554	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	NONE	MUD WEIGHT #/GAL	9
WEIGHT PIPE I.D.	2.25	VISCOSITY	58
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	9.4
		CHLORIDES-PITS	11,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902 **KD 1900**

Date 4-29-06 Location 14-20-14^N Elevation 1895 County BARTON

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

Charts Mailed to 9431 E Central St #100

Drilling Contractor Petromark Drilling RIG #2

Length Drill Pipe 3534 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

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

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

Top Packer Depth 3580 Bottom Packer Depth --- Number of Packers 1 Packer Size 6 3/4

TESTED FROM 3580 TO 3590 ANCHOR LENGTH 10 TOTAL DEPTH 3590 Hole Size 7 3/8

LEASE & WELL NO. Brocher #144 FORMATION TESTED ARBuckie TEST NO. 8

Mud Weight 9.0 Viscosity 58 Water Loss 9.4 Chlorides - Pits 14000 D.S.T. ---

Maximum Temp. 110 °F Initial Hydrostatic Pressure (A) 1774 P.S.I. Final Hydrostatic Pressure (H) 1741 P.S.I.

Tool Open I.F.P. from 12:25 m to 12:40 m 15 min

Tool Closed J.C.I.P. from 12:40 m to 1:10 m 30 min

Tool Open F.F.P. from 1:10 m to 1:40 m 30 min

Tool Closed F.C.I.P. from 1:40 m to 2:40 m 60 min

from [B] <u>35</u> P.S.I. to [C] <u>41</u> P.S.I.
[D] <u>886</u> P.S.I.
from [E] <u>43</u> P.S.I. to [F] <u>56</u> P.S.I.
[G] <u>989</u> P.S.I.

Initial Blow Fair blow built to 10 inches in 5 gallon bucket in 15 minutes

Final Blow Fair blow built to bottom 5 gallon bucket in 26 minutes

Total Feet Recovered 101 360 GAS Gravity of Oil --- Corrected

1 Feet of oil %Gas --- %Oil --- %Mud --- %Water

30 Feet of oily mud %Gas 35 %Oil 65 %Mud --- %Water

30 Feet of gas oil cut watery mud %Gas 15 %Oil 40 %Mud 30 %Water

Feet of --- %Gas --- %Oil --- %Mud --- %Water

Feet of --- %Gas --- %Oil --- %Mud --- %Water

Feet of --- %Gas --- %Oil --- %Mud --- %Water

Feet of --- %Gas --- %Oil --- %Mud --- %Water

Feet of --- %Gas --- %Oil --- %Mud --- %Water

Feet of --- %Gas --- %Oil --- %Mud --- %Water

Remarks ---

Extra Equipment - Jars --- Safety Joint YES Extra Packer --- Straddle --- Hook Wall ---

Top Recorder No. 4005 Clock No. electronic Depth 3586 Cir. Sub --- Sampler ---

Bottom Recorder No. 7895 Clock No. 3539 Depth 3587 Insurance ---

Price of Job ---

Tool Operator NATHAN MANRING

Approved By No 14354

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.

Temperature / Pressure Data

