

F.G. Holl Co.

Otte Family Trust 2-5

5-21s-14w

15-185-23325

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-4-05 Location 5-21^w-145 Elevation 1912 County Stafford
 Company F.G. Holl Company LLC Number of Copies 5
 Charts Mailed to 9431 E Central St #100 Wichita KS 67206
 Drilling Contractor Duke Drilling #9
 Length Drill Pipe 1720 I.D. Drill Pipe 380 Tool Joint Size 4 1/2 XH
 Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____
 Length Drill Collars _____ I.D. Drill Collars _____ Tool Joint Size _____
 Top Packer Depth 1741 Bottom Packer Depth 1746 Number of Packers 2 Packer Size 6 3/4
 TESTED FROM 1746 TO 1820 ANCHOR LENGTH 74 TOTAL DEPTH 1820 Hole Size 16 7/8
 LEASE & WELL NO. Otte #2-5 FORMATION TESTED Herrington/Kridar TEST NO. 1
 Mud Weight 8.8 Viscosity 37 Water Loss 3.0 Chlorides - Pits 5.000 D.S.T. _____
 Maximum Temp. 78 °F Initial Hydrostatic Pressure (A) 847 P.S.I. Final Hydrostatic Pressure (H) 834 P.S.I.

Tool Open I.F.P. from 12:25 m to 12:30 m 5 min
 Tool Closed I.C.I.P. from 12:30 p m to 1:30 m 60 min
 Tool Open F.F.P. from 1:30 p m to 2:30 p m 60 min
 Tool Closed F.C.I.P. from 2:30 p m to 4:00 p m 90 min

from [B] 49 P.S.I. to [C] 56 P.S.I.
 [D] 483 P.S.I.
 from [E] 53 P.S.I. to [F] 40 P.S.I.
 [G] 284 P.S.I.

Initial Blow Fair Blow 7 inches into Bucket in 5 minFinal Blow Fair Blow Bottom of Bucket in 15 minTotal Feet Recovered 40 Gravity of Oil _____ Corrected

40 Feet of 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 no Straddle no Hook Wall noTop Recorder No. 4005 Clock No. 47441 Depth 1818 Cir. Sub _____ Sampler _____Bottom Recorder No. 5463 Clock No. Electronic Depth 1817 Insurance _____

Price of Job _____

Tool Operator Paul Baker

Approved By _____

No 14794

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, or 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.

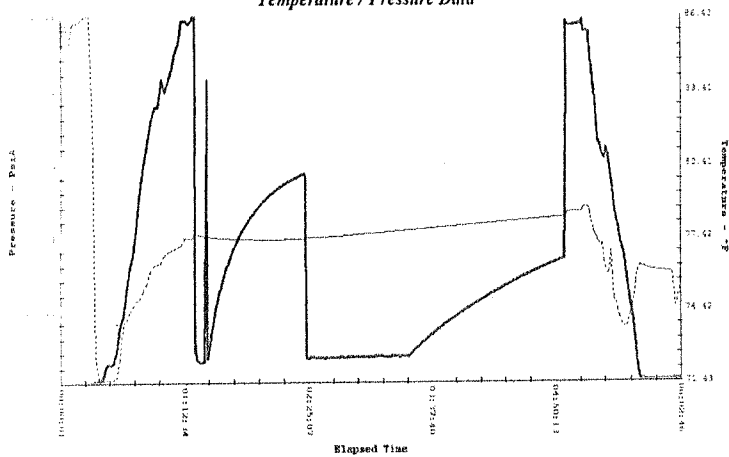
SUPERIOR TESTERS ENTERPRISES INC.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	847
2	Initial Flow Pressure	49
3	Final Initial Flow Pressure	56
4	Initial Shut-In Pressure	483
5	Initial Final Flow Pressure	53
6	Final Flow Pressure	60
7	Final Shut-In Pressure	284
8	Final Hydrostatic Pressure	834

Maximum Temperature 78

GENERAL INFORMATION

COMPANY NAME F.G HOLL

TEST DATE 8/4/05

SECTION-TOWN-RANGE 5-21S-14W W

STATE KANSAS

COUNTY STAFFORD

ELEVATION GROUND LEVEL 1914

COMPANY REPRESENTATIVE DUKE DRILLING

LEASE AND WELL NUMBER OTTE #2-5

FORMATION TESTED ARBUCKLE

DRILL STEM TEST NUMBER 1

REPORT NUMBER 14794

ELEVATION KELLY BUSHINGS 1922

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 1746

TEST INTERVAL (to)

ANCHOR LENGTH -1746

TOTAL DEPTH (ft)

TOP PACKER DEPTH 1741

BOTTOM PACKER DEPTH 1746

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 12:25P

INITIAL OPEN TOOL OPEN (to) 12:30P

DURATION (min.) 5

TOOL OPEN (from) 1:30P

TOOL OPEN (to) 2:30P

DURATION (min.) 60

TOOL CLOSED (from) 12:30P

INITIAL SHUT-IN TOOL CLOSED (to) 1:30P

DURATION (min.) 60

TOOL CLOSED (from) 2:30P

TOOL CLOSED (to) 4:00P

DURATION (min.) 90

INITIAL FLOW FAIR BLOW 7 IN IN TO BUCET IN 5 MIN

FINAL FLOW FAIR BLOW TO BOTTOM OF BUCKET IN 15 MIN

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
1) 40	MUD				
2)					
3)					
4)					
5)					
6)					

Company: F.G HOLL Lease & Well No. OTTE#2-5 Test #: 1 Date: 8-4-05 SEC. 5 TWP. 21S RGE. 14W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G HOLL	LEASE AND WELL NUMBER	OTTE #2-5
TEST DATE	8/4/05	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	5-21S-14W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14794
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1922
ELEVATION GROUND LEVEL	1914	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	DUKE DRILLING		

EXTRA EQUIPMENT

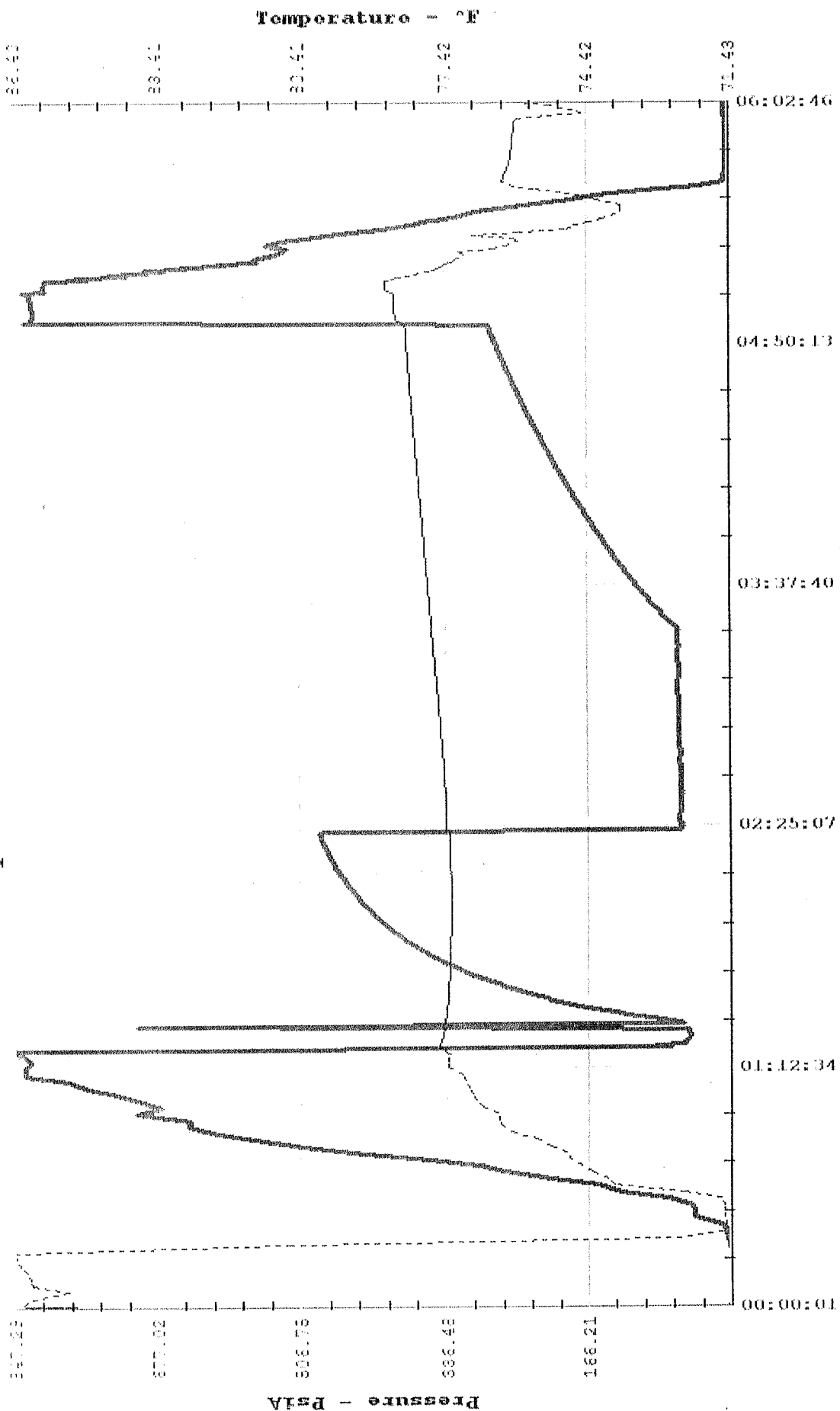
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	21 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH		BOTTOM RECORDER DEPTH	1
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	1720	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	8.8
WEIGHT PIPE I.D.	2.25	VISCOSITY	37
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	96.7
		CHLORIDES-PITS	5,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-5-05 Location 5-21K-14^N Elevation 1912 County Stafford
Company F.G Hall Company LLC Number of Copies 5

Charts Mailed to 9431 E Central St 100 Wichita KS 67206

Drilling Contractor Dyke Drilling Company Rig #8

Length Drill Pipe 1779 I.D. Drill Pipe _____ Tool Joint Size 4 1/2 XH

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

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

Top Packer Depth 1800 Bottom Packer Depth 1805 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 1805 TO 1800 ANCHOR LENGTH 55 TOTAL DEPTH 1860 Hole Size 9 7/8

EASE & WELL NO. DHe #2-5 FORMATION TESTED Winfield TEST NO. 2

Mud Weight 8.8 Viscosity 2958 Water Loss 10.88 Chlorides - Pits 7.000 D.S.T. _____

Maximum Temp. 80 °F Initial Hydrostatic Pressure (A) 9.2 P.S.I. Final Hydrostatic Pressure (H) 840 P.S.I.

Tool Open I.F.P. from 12:05 m to 12:20 m 15 min

Tool Closed I.C.I.P. from 12:20 m to 12:50 m 30 min

Tool Open F.F.P. from 12:50 m to 1:05 m 15 min

Tool Closed F.C.I.P. from 1:05 m to 1:35 m 30 min

Initial Blow Minimum Blow all the way through

Final Blow Next Surface Blow all the way through

Total Feet Recovered 30 Gravity of Oil _____ Corrected _____

30 Feet of 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 _____

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

Remarks _____

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

Top Recorder No. 40054023 Clock No. Electronic Depth 1857 Cir. Sub Yes Sampler _____

Bottom Recorder No. 5400 Clock No. 47441 Depth 1857 Insurance _____

Price of Job 3088

Tool Operator Art Scher

Approved By _____

NO 1A705

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SUPERIOR TESTERS ENTERPRISES INC.

(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company:
RGE. 14

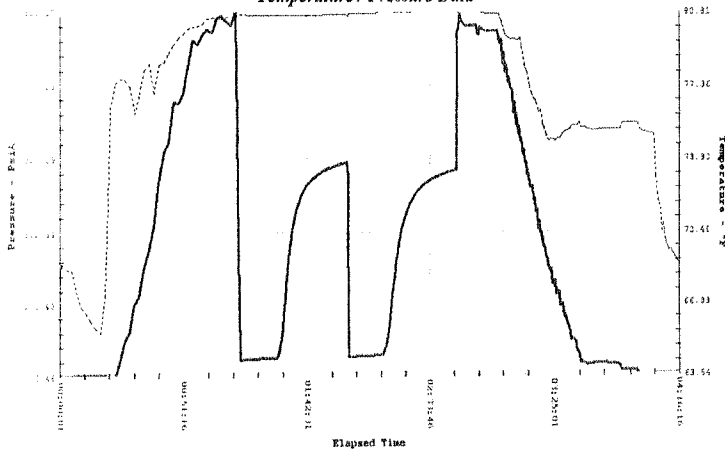
F.G HOLL COMPANY L.L.C

Lease & Well No. OTTE#2-5

Test #: 2 Date: 8-6-05

SEC. 5 TWP. 21

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	849
2	Initial Flow Pressure	40
3	Final Initial Flow Pressure	43
4	Initial Shut-In Pressure	518
5	Initial Final Flow Pressure	46
6	Final Flow Pressure	59
7	Final Shut-In Pressure	501
8	Final Hydrostatic Pressure	840

Maximum Temperature 80

GENERAL INFORMATION

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

TEST DATE 8/6/05

SECTION-TOWN-RANGE 41780

STATE KANSAS

COUNTY STAFFORD

ELEVATION GROUND LEVEL 1912

LEASE AND WELL NUMBER OTTE#2-5

FORMATION TESTED WINDFIELD

DRILL STEM TEST NUMBER 2

REPORT NUMBER 14795

ELEVATION KELLY BUSHINGS 1920

COMPANY REPRESENTATIVE DUKE DRILLING CO/ TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 1805

TEST INTERVAL (to) 1860

ANCHOR LENGTH 55

TOTAL DEPTH (ft) 1860

TOP PACKER DEPTH 1800

BOTTOM PACKER DEPTH 1805

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 12:05A

INITIAL OPEN

TOOL OPEN (to) 12:20A

FINAL OPEN

DURATION (min.) 15

TOOL OPEN (from) 12:50A

TOOL OPEN (to) 1:05A

DURATION (min.) 15

TOOL CLOSED (from) 12:20A

INITIAL SHUT-IN

TOOL CLOSED (to) 12:50A

FINAL SHUT-IN

TOOL CLOSED (from) 1:05A

TOOL CLOSED (to) 1:35A

DURATION (min.) 30

DURATION (min.) 30

INITIAL FLOW

WEAK BLOW ON SURFACE ALL THE WAY THROUGH

FINAL FLOW

WEAK BLOW ON SURFACE ALL THE WAY THROUGH

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 30	MUD				
2)					
3)					
4)					
5)					
6)					

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME F.G HOLL COMPANY L.L.C
TEST DATE 8/6/05
SECTION-TOWN-RANGE 5/21/2014
STATE KANSAS
COUNTY STAFFORD
ELEVATION GROUND LEVEL 1912
COMPANY REPRESENTATIVE DUKE DRILLING COMPANY R TESTING ENGINEER

LEASE AND WELL NUMBER OTTE#2-5
FORMATION TESTED WINDFIELD
DRILL STEM TEST NUMBER 2
REPORT NUMBER 14795
ELEVATION KELLY BUSHINGS 1920
GENE BUDIG

EXTRA EQUIPMENT

JARS YES
SAFETY JOINT YES
ELECTRONIC RECORDER YES
CIRCULATING SUB YES
21 MILES ROUND TRIP FROM GREAT BEND

EXTRA PACKER (3RD) NO
EXTRA PACKER (4TH) NO
STRADDLE NO
HOOK WALL NO
SAMPLER NO

TOP RECORDER DEPTH
RECORDER NUMBER 91981

BOTTOM RECORDER DEPTH 1857
RECORDER NUMBER 5463

WELL INFORMATION

DRILLING CONTRACTOR DUKE DRILLING COMPANY L.L.C
DRILL PIPE LENGTH 1779
DRILL PIPE I.D. 3.8
TOOL JOINT SIZE 4 1/2 X.H.

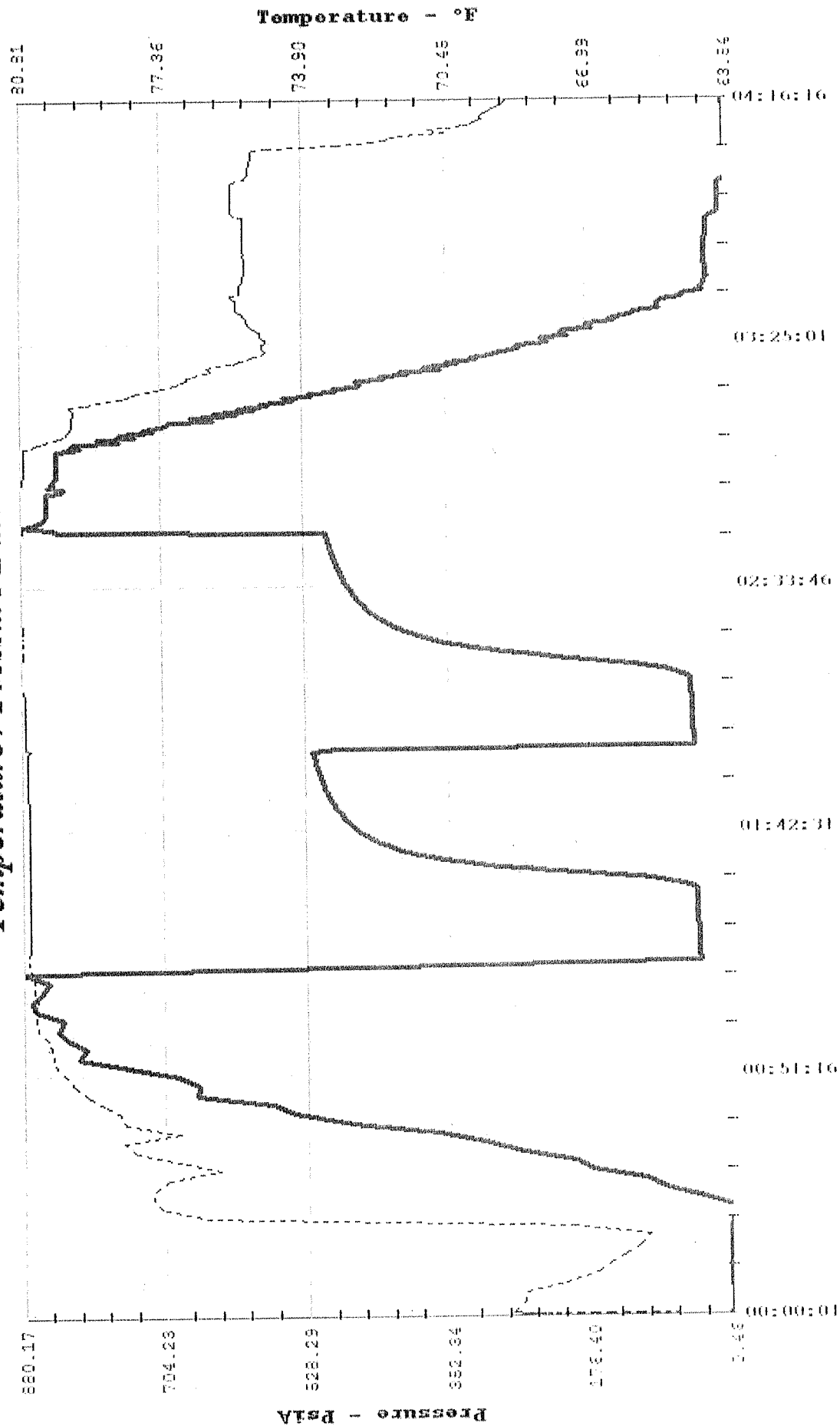
DRILL COLLAR LENGTH
DRILL COLLAR I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.

WEIGHT PIPE LENGTH
WEIGHT PIPE I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.

MUD WEIGHT #/GAL 8.8
VISCOSITY 58
WATER LOSS 9.2
CHLORIDES-PITS 7,000
CHLORIDES-DST

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-6-05 Location 5-21-14 Elevation 1912 County Stafford

Company F&H Oil Company LLC Number of Copies 5

Charts Mailed to 9431 E Central St 100 Wichita KS 67206

Drilling Contractor Duke Drilling Company Rig #8

Length Drill Pipe 2280 I.D. Drill Pipe _____ Tool Joint Size 4 1/2 KH

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

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

Top Packer Depth 2303 Bottom Packer Depth 2308 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 2308 TO 2344 ANCHOR LENGTH 36 TOTAL DEPTH 2344 Hole Size 7 1/8

LEASE & WELL NO. Off #2-5 FORMATION TESTED Red eagle TEST NO. 3

Mud Weight 8.7 Viscosity 44 Water Loss 9.6 Chlorides - Pits 15,000 D.S.T. _____

Maximum Temp. 88 °F Initial Hydrostatic Pressure (A) 1166 P.S.I. Final Hydrostatic Pressure (H) 1139 P.S.I.

Tool Open I.F.P. from 8:53 A.m. to 9:08 A.m. 15 min

Tool Closed I.C.I.P. from 9:08 A.m. to 9:36 A.m. 30 min

Tool Open F.F.P. from 9:38 A.m. to 9:53 A.m. 15 min

Tool Closed F.C.I.P. from 9:53 A.m. to 10:28 A.m. 30 min

Initial Blow Weak Blow surface of bucket all the way through

Final Blow Weak Blow all the way through top of Bucket

Total Feet Recovered 10 feet mvd Gravity of Oil _____ Corrected _____

10 Feet of mvd % 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 no Straddle no Hook Wall no

Top Recorder No. 4023 Clock No. Electronic Depth 2340 Cir. Sub yes Sampler _____

Bottom Recorder No. 3088 Clock No. 47441 Depth 2343 Insurance _____

Price of Job _____

Tool Operator Jeff B. McRae

Approved By _____

No 14796

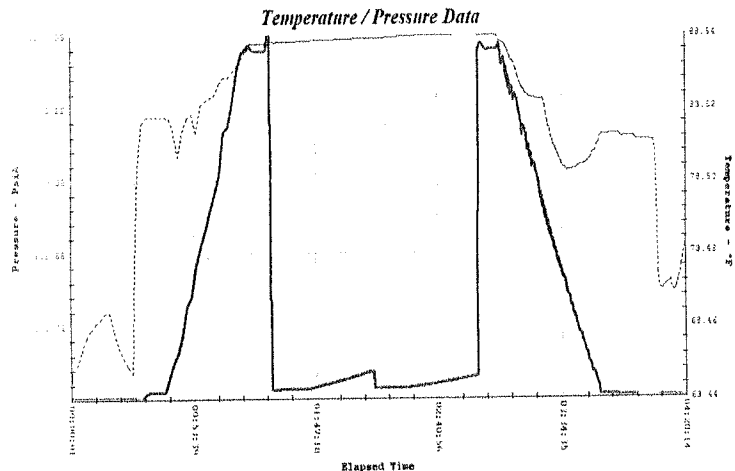
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SUPERIOR TESTERS ENTERPRISES INC.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1166
2	Initial Flow Pressure	27
3	Final Initial Flow Pressure	31
4	Initial Shut-In Pressure	83
5	Initial Final Flow Pressure	31
6	Final Flow Pressure	33
7	Final Shut-In Pressure	68
8	Final Hydrostatic Pressure	1139

Maximum Temperature 88

GENERAL INFORMATION

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

TEST DATE 8/6/05

SECTION-TOWN-RANGE 5-21S-14W

STATE KANSAS

COUNTY STAFFORD

ELEVATION GROUND LEVEL 1912

COMPANY REPRESENTATIVE DUKE DRILLING RIG TESTING ENGINEER

LEASE AND WELL NUMBER OTTE#2-5

FORMATION TESTED RED EAGLE

DRILL STEM TEST NUMBER 3

REPORT NUMBER 14796

ELEVATION KELLY BUSHINGS 1920

GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2308

TEST INTERVAL (to)

ANCHOR LENGTH -2308

TOTAL DEPTH (ft) 2344

TOP PACKER DEPTH 2303

BOTTOM PACKER DEPTH 2308

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 8:53A

INITIAL OPEN TOOL OPEN (to) 9:08A

DURATION (min.) 15

TOOL OPEN (from) 9:38A

TOOL OPEN (to) 9:53A

DURATION (min.) 15

TOOL CLOSED (from) 9:08A

INITIAL SHUT-IN TOOL CLOSED (to) 9:38A

DURATION (min.) 30

TOOL CLOSED (from) 9:53A

TOOL CLOSED (to) 10:23A

DURATION (min.) 30

INITIAL FLOW

WEAK BLOW ALL THE WAY THROUGH AT TOP OF BUCKET

FINAL FLOW

WEAK BLOW ALL THE WAY THROUGH AT TOP OF BUCKET

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
1)					
2)					
3)					
4)					
5)					
6)					

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

Lease & Well No. OTTE #2-5

Test #: 3

Date: 8-6-05

SEC. 5 TWP. 21 RGE. 14

SUPERIOR TESTERS ENTERPRISES INC.

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	OTTE#2-5
TEST DATE	8/6/05	FORMATION TESTED	RED EAGLE
SECTION-TOWN-RANGE	5-21S-14W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	14796
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1920
ELEVATION GROUND LEVEL	1912	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	DUKE DRILLING RIG #8		

EXTRA EQUIPMENT

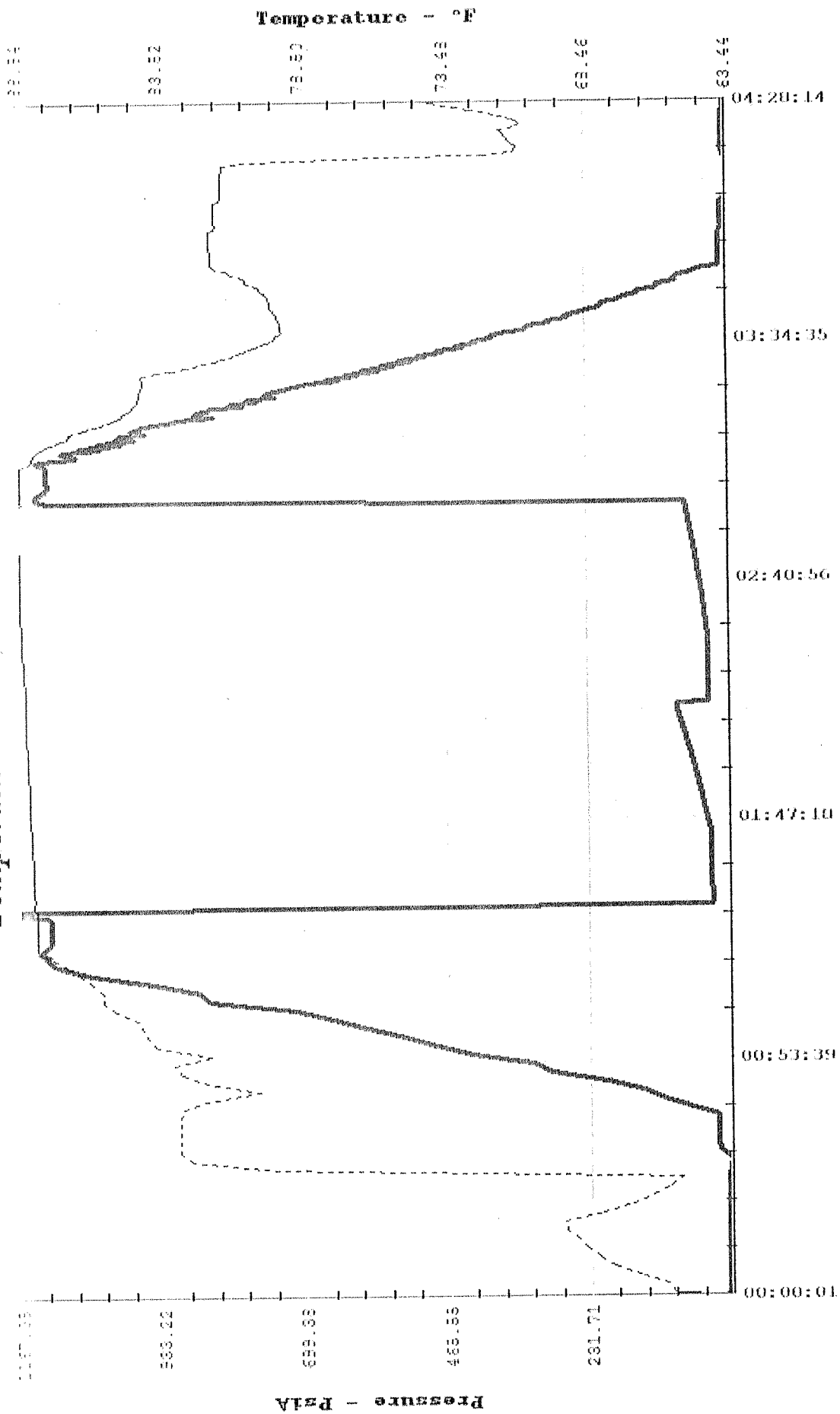
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	21 MILES ROUND TRIP FROM		
TOP RECORDER DEPTH		BOTTOM RECORDER DEPTH	2343
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2282	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	8.7
WEIGHT PIPE I.D.	2.25	VISCOSITY	44
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	9.6
		CHLORIDES-PITS	15000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-7-05 Location 5-21-14 Elevation 1912 County Stafford
 Company F.G. Hall company LLC Number of Copies 5
 Charts Mailed to 2431 E Central St 100 Wichita KS 67206
 Drilling Contractor Duke Drilling Company Rig #8
 Length Drill Pipe 2427 I.D. Drill Pipe 3.9 Tool Joint Size 4 1/2 XH

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

Top Packer Depth 2448 Bottom Packer Depth 2453 Number of Packers 2 Packer Size 6 3/4
 TESTED FROM 2453 TO 2503 ANCHOR LENGTH 50 TOTAL DEPTH 2503 Hole Size 7 7/8

EASE & WELL NO. OH#2-5 FORMATION TESTED Red Eagle TEST NO. 4

Mud Weight 8.8 Viscosity 46 Water Loss 6.4 Chlorides - Pits 16.000 D.S.T. _____

Maximum Temp. 92 °F Initial Hydrostatic Pressure (A) 1237 P.S.I. Final Hydrostatic Pressure (H) 1198 P.S.I.

Tool Open I.F.P. from 5:25 A m to 5:40 A m 15 min

Tool Closed I.C.I.P. from 5:40 A m to 6:10 A m 30 min

Tool Open F.F.P. from 6:10 A m to 6:25 A m 15 min

Tool Closed F.C.I.P. from 6:25 A m to 6:55 A m 30 min

Initial Blow Weak Blow inch into Bracket in 15 min

Final Blow NO Blow all the way through

Total Feet Recovered 15 feet Mud Gravity of Oil _____ Corrected _____

15 Feet of 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 Yes Safety Joint Yes Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4023 Clock No. Electronic Depth 2499 Cir. Sub yes Sampler _____

Bottom Recorder No. 3088 Clock No. 47441 Depth 2502 Insurance _____

Price of Job _____

Tool Operator Jeff Schick

Approved By _____

KIO 11707

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SUPERIOR TESTERS ENTERPRISES INC.

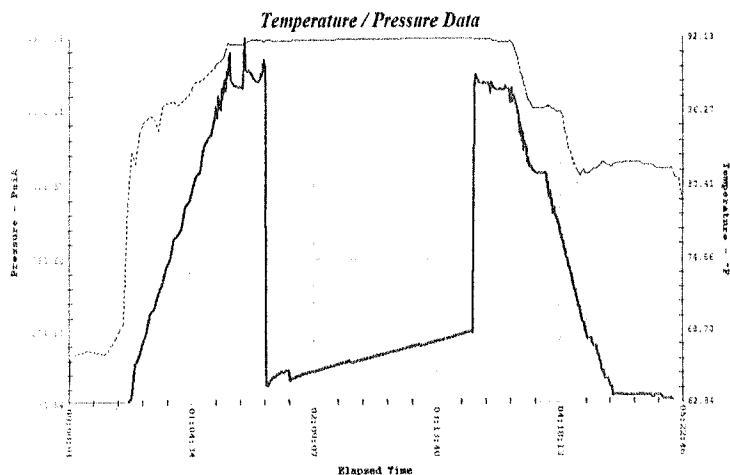
1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C
RGE. 14

Lease & Well No. OTTE #2-5 Test #: 4 Date: 8-7-05 SEC. 5 TWP. 21



1	Initial Hydrostatic Pressure	1237
2	Initial Flow Pressure	72
3	Final Initial Flow Pressure	74
4	Initial Shut-In Pressure	124
5	Initial Final Flow Pressure	104
6	Final Flow Pressure	124
7	Final Shut-In Pressure	268
8	Final Hydrostatic Pressure	1198

Maximum Temperature 92

GENERAL INFORMATION

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

TEST DATE 8/7/05

SECTION-TOWN-RANGE 5-21S-14W

STATE KANSAS

COUNTY STAFFORD

ELEVATION GROUND LEVEL 1912

LEASE AND WELL NUMBER OTTE#2-5

FORMATION TESTED RED EAGLE

DRILL STEM TEST NUMBER 4

REPORT NUMBER 14797

ELEVATION KELLY BUSHINGS 1920

COMPANY REPRESENTATIVE DUKE DRILLING RIG TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2453

TEST INTERVAL (to)

ANCHOR LENGTH -2453

TOTAL DEPTH (ft) 2503

TOP PACKER DEPTH 2448

BOTTOM PACKER DEPTH 2453

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 5:25A

INITIAL OPEN TOOL OPEN (to) 5:40A

DURATION (min.) 15

TOOL OPEN (from) 6:10A

TOOL OPEN (to) 6:25A

DURATION (min.) 15

TOOL CLOSED (from) 5:40A

INITIAL SHUT-IN TOOL CLOSED (to) 6:10A

DURATION (min.) 30

TOOL CLOSED (from) 6:25A

FINAL SHUT-IN TOOL CLOSED (to) 6:55A

DURATION (min.) 30

INITIAL FLOW

WEAK BLOW ALL THE WAY THROUGH 1 INCH IN TO BUCKET

FINAL FLOW

NO BLOW ALL THE WAY THROUGH

RECOVERY	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 15	MUD				
2)					
3)					
4)					
5)					
6)					

SUPERIOR TESTERS ENTERPRISES INC.

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	OTTE#2-5
TEST DATE	8/7/05	FORMATION TESTED	RED EAGLE
SECTION-TOWN-RANGE	5-21S-14W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	14797
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1920
ELEVATION GROUND LEVEL	1912	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	DUKE DRILLING RIG#8		

EXTRA EQUIPMENT

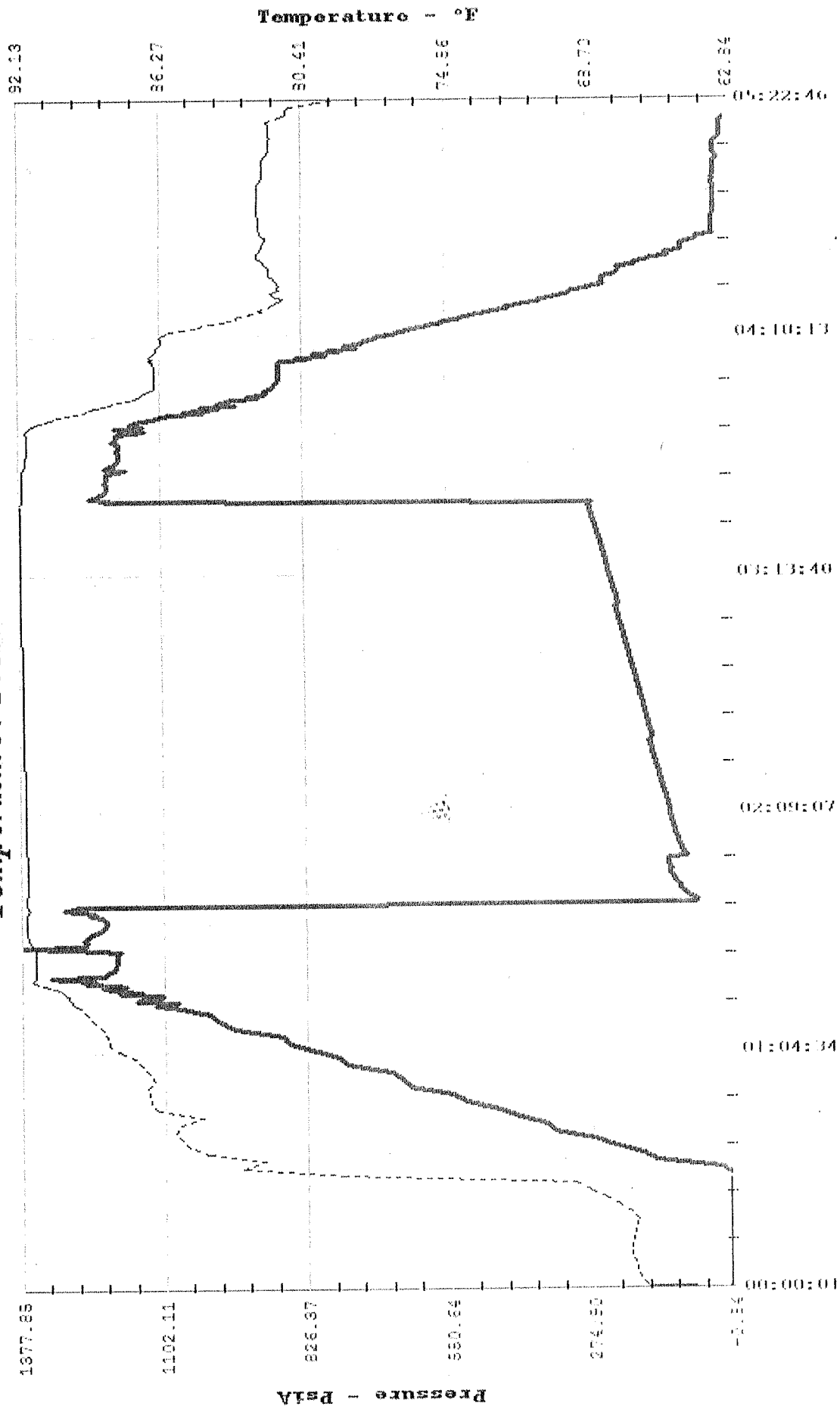
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	YES	HOOK WALL	NO
		SAMPLER	NO
	21 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	2499	BOTTOM RECORDER DEPTH	2502
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING COMPANY L.L.C RIG #8		
DRILL PIPE LENGTH	2427	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	8.8
WEIGHT PIPE I.D.	2.25	VISCOSITY	46
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	6.4
		CHLORIDES-PITS	16,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-9-05 Location 5-21-14 Elevation 1912 County Stafford
Company F6 Heli Company LLC Number of Copies 5
Charts Mailed to 9431 E Central St 100 Wichita KS 67206
Drilling Contractor Duke Drilling Company Rig #8
Length Drill Pipe 3289 I.D. Drill Pipe 3-8 Tool Joint Size 4 1/2 XH
Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____
Length Drill Collars _____ I.D. Drill Collars _____ Tool Joint Size _____
Top Packer Depth 3305 Bottom Packer Depth 3310 Number of Packers 2 Packer Size 6 3/4
TESTED FROM 3310 TO 3360 ANCHOR LENGTH 50 TOTAL DEPTH 3360 Hole Size 7 7/8
EASE & WELL NO. 0442-5 FORMATION TESTED LKC "A-B" TEST NO. 5
Mud Weight 9.1 Viscosity 44 Water Loss 9.6 Chlorides - Pits 4,800 D.S.T. 100%
Maximum Temp. _____ °F Initial Hydrostatic Pressure (A) 11607 P.S.I. Final Hydrostatic Pressure (H) 1593 P.S.I.

Tool Open I.F.P. from 7:44 P.m. to 7:59 P.m. 15 min
Tool Closed I.C.I.P. from 7:59 P.m. to 8:29 P.m. 30 min
Tool Open F.F.P. from 8:29 P.m. to 8:29 P.m. 00 min
Tool Closed F.C.I.P. from 9:29 P.m. to 10:59 P.m. 90 min
Initial Blow Weak surface All the way through
Final Blow No Blow all the way through

from [B]	<u>32</u>	P.S.I. to [C]	<u>33</u>	P.S.I.
[D]	<u>143</u>			P.S.I.
from [E]	<u>32</u>	P.S.I. to [F]	<u>33</u>	P.S.I.
[G]	<u>411</u>			P.S.I.

Total Feet Recovered 10 feet mud Gravity of Oil _____ Corrected _____
10 Feet of 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 _____

Remarks _____

Extra Equipment - Jars yes Safety Joint yes Extra Packer _____ Straddle _____ Hook Wall _____
Top Recorder No. 4023 Clock No. Electronic Depth 33510 Cir. Sub yes Sampler _____
Bottom Recorder No. 3088 Clock No. 47441 Depth 3359 Insurance _____

Price of Job _____
Tool Operator Sam Bink
Approved By _____
44708

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, or 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 INC.

DRILL STEM TEST REPORT

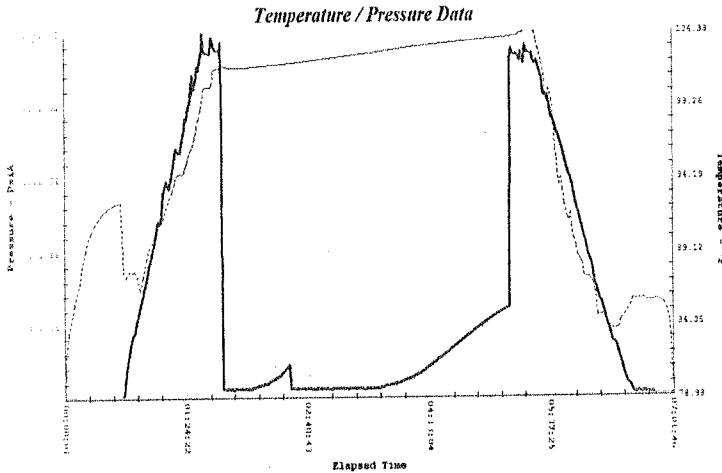
(800)792-6902

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C
RGE. 14

Lease & Well No. OTTE #2-5

Test #: 5 Date: 8-9-05 SEC. 5 TWP. 21



1	Initial Hydrostatic Pressure	1607
2	Initial Flow Pressure	32
3	Final Initial Flow Pressure	33
4	Initial Shut-In Pressure	143
5	Initial Final Flow Pressure	32
6	Final Flow Pressure	33
7	Final Shut-In Pressure	411
8	Final Hydrostatic Pressure	1593

Maximum Temperature 104

GENERAL INFORMATION

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

TEST DATE 8/9/05

SECTION-TOWN-RANGE 5-21S-14W

STATE KANSAS

COUNTY STAFFORD

ELEVATION GROUND LEVEL 1912

COMPANY REPRESENTATIVE DUKE DRILLING CO/ TESTING ENGINEER GENE BUDIG

LEASE AND WELL NUMBER OTTE #2-5

FORMATION TESTED KC "A-B"

DRILL STEM TEST NUMBER 5

REPORT NUMBER 14798

ELEVATION KELLY BUSHINGS 1920

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3310

TEST INTERVAL (to)

ANCHOR LENGTH -3310

TOTAL DEPTH (ft) 3360

TOP PACKER DEPTH 3305

BOTTOM PACKER DEPTH 3310

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 7:44P

INITIAL OPEN TOOL OPEN (to) 7:59P

DURATION (min.) 15

TOOL OPEN (from) 8:29P

TOOL OPEN (to) 9:29P

DURATION (min.) 60

TOOL CLOSED (from) 7:59P

INITIAL SHUT-IN TOOL CLOSED (to) 8:29P

DURATION (min.) 30

TOOL CLOSED (from) 9:29P

FINAL SHUT-IN TOOL CLOSED (to) 10:59P

DURATION (min.) 90

INITIAL FLOW WEAK BLOW ALL THE WAY THROUGH

FINAL FLOW NO BLOW ALL THE WAY THROUGH

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
1) 10	MUD				
2)					
3)					
4)					
5)					
6)					

SUPERIOR TESTERS ENTERPRISES INC.

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	OTTE #2-5
TEST DATE	8/9/05	FORMATION TESTED	KC "A-B"
SECTION-TOWN-RANGE	5-21S-14W	DRILL STEM TEST NUMBER	5
STATE	KANSAS	REPORT NUMBER	14798
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1920
ELEVATION GROUND LEVEL	1912	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	DUKE DRILLING COMPANY L		

EXTRA EQUIPMENT

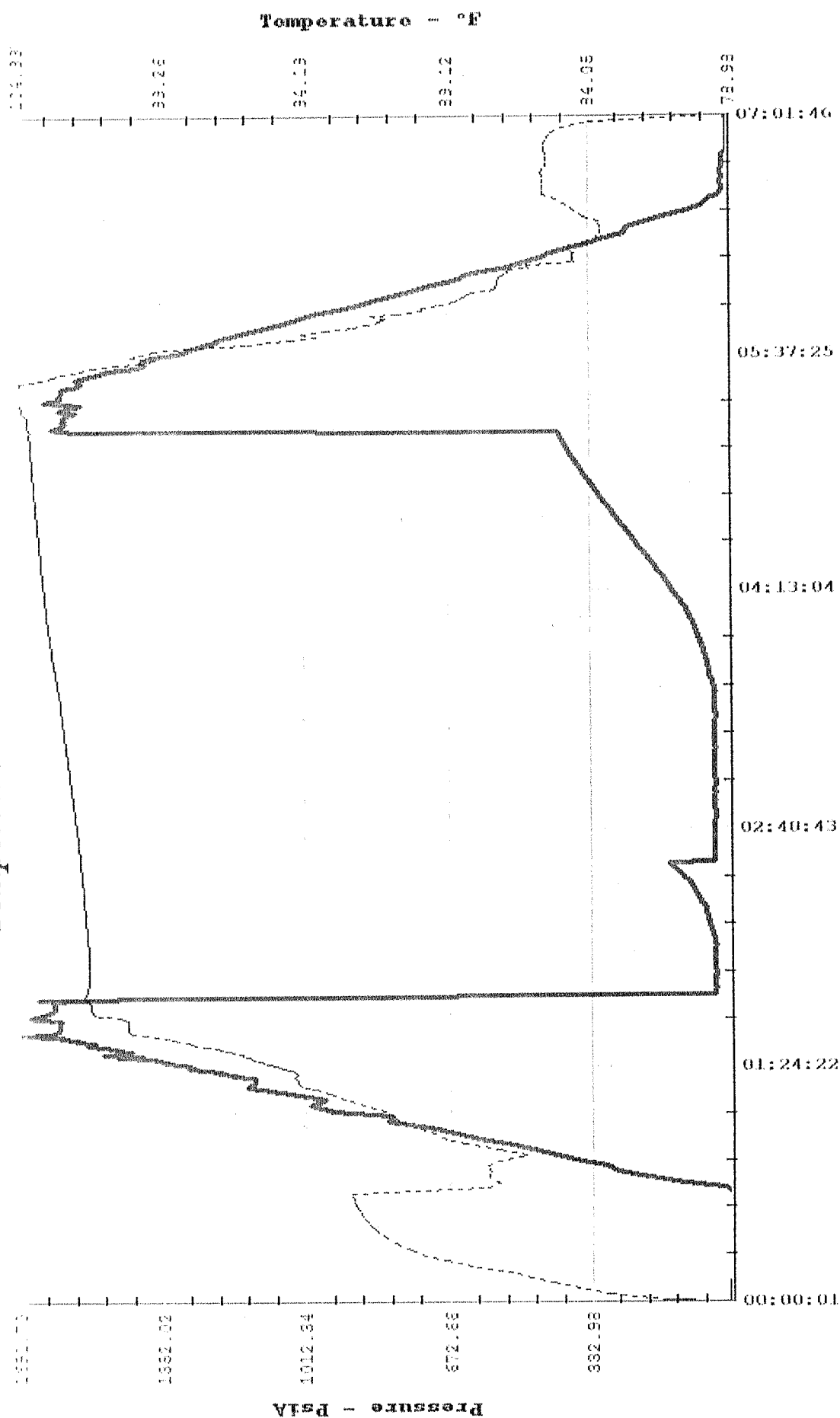
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	YES	HOOK WALL	NO
		SAMPLER	NO
	21 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3356	BOTTOM RECORDER DEPTH	3359
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG#8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3284	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	44
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	9.6
		CHLORIDES-PITS	4,800
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



8-9-05

5-21S-14W

OTTE #2-5

F.G HOLL COMPANY L.L.C

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-10-05 Location S-21-14 Elevation 1912 County Stafford

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

Charts Mailed to 9431 E Central St 100 Wichita KS 67206

Drilling Contractor Duke Drilling Company LLC Rig #8

Length Drill Pipe 3346 I.D. Drill Pipe 3.8 Tool Joint Size 4 1/2 XH

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

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

Top Packer Depth 3367 Bottom Packer Depth 3372 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3372 TO 3405 ANCHOR LENGTH 33 TOTAL DEPTH 3405 Hole Size 7 7/8

LEASE & WELL NO. OTC #2-5 FORMATION TESTED LKC "F" TEST NO. 6

Mud Weight 9.2 Viscosity 45 Water Loss 10 Chlorides - Pits 5000 D.S.T. _____

Maximum Temp. 103 °F Initial Hydrostatic Pressure (A) 1672 P.S.I. Final Hydrostatic Pressure (H) 1631 P.S.I.

Tool Open I.F.P. from 8:25 p.m. to 8:35 p.m. 10 min

Tool Closed I.C.I.P. from 8:35 p.m. to 9:35 p.m. 60 min

Tool Open F.F.P. from 9:35 p.m. to 10:05 p.m. 30 min

Tool Closed F.C.I.P. from 10:05 p.m. to 11:05 p.m. 60 min

Initial Blow Weak Blow Surface of Bucket

Final Blow Weak Blow 1 inch into Bucket

Total Feet Recovered 25 feet mud Gravity of Oil _____ Corrected _____

25 Feet of mud, Spet 0.1 % Gas 3 % Oil 10 % Mud 87 % 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

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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

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

Top Recorder No. 4023 Clock No. Electronic Depth 3401 Cir. Sub yes Sampler _____

Bottom Recorder No. 3088 Clock No. 4744 Depth 3404 Insurance _____

Price of Job _____

Tool Operator Paul Schaefer

Approved By _____

No 14799

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, or 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.

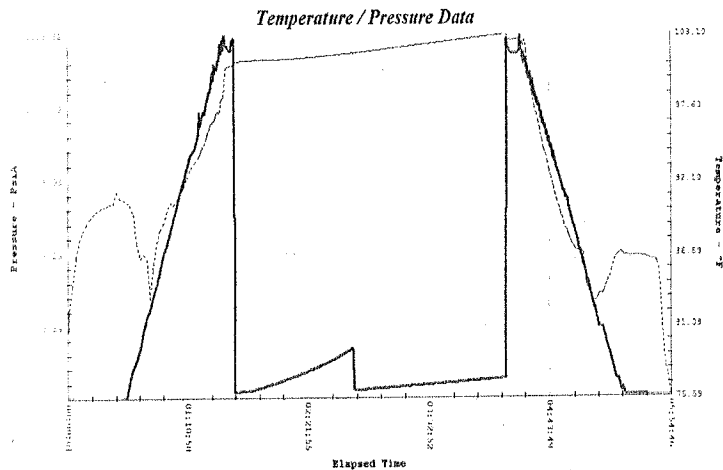
SUPERIOR TESTERS ENTERPRISES INC.

(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C
RGE. 14



1	Initial Hydrostatic Pressure	1672
2	Initial Flow Pressure	25
3	Final Initial Flow Pressure	29
4	Initial Shut-In Pressure	223
5	Initial Final Flow Pressure	31
6	Final Flow Pressure	34
7	Final Shut-In Pressure	85
8	Final Hydrostatic Pressure	1631

Maximum Temperature 103

F.G HOLL COMPANY L.L.C

TEST DATE 8/10/05
SECTION-TOWN-RANGE 5-21S-14W
STATE KANSAS
COUNTY STAFFORD
ELEVATION GROUND LEVEL 1912
COMPANY REPRESENTATIVE DUKE DRILLING CO/ TESTING ENGINEER
LEASE AND WELL NUMBER OTTE #2-5
FORMATION TESTED LKC" F"
DRILL STEM TEST NUMBER 6
REPORT NUMBER 14799
ELEVATION KELLY BUSHINGS 1920
GENE BUDIG

3372

ANCHOR LENGTH -3372
TOTAL DEPTH (ft) 3405

PACKER SIZE 6 3/4
HOLE SIZE 7 7/8

DURATION (min.) 10

DURATION (min.) 30

TOOL CLOSED (from) 8:35P

TOOL CLOSED (from) 10:05P

INITIAL SHUT-IN TOOL CLOSED (to) 9:35P

FINAL SHUT-IN TOOL CLOSED (to) 11:05P

DURATION (min.) 60

DURATION (min.) 60

WEAK SURFACE BLOW ALL THE WAY THROUGH

WEAK BLOW 1 INCH INTO BUCKET

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
25	SPOT OF OIL, MUD		3	10	87
4)					
5)					
6)					

Lease & Well No. OTTE #2-5
#6 Date: 8-10-05 SEC. 5 T11. 21

SUPERIOR TESTERS ENTERPRISES INC.

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	OTTE #2-5
TEST DATE	8/10/05	FORMATION TESTED	LKC"F"
SECTION-TOWN-RANGE	5-21S-14W	DRILL STEM TEST NUMBER	6
STATE	KANSAS	REPORT NUMBER	14799
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1920
ELEVATION GROUND LEVEL	1912	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	DUKE DRILLING COMPANY		

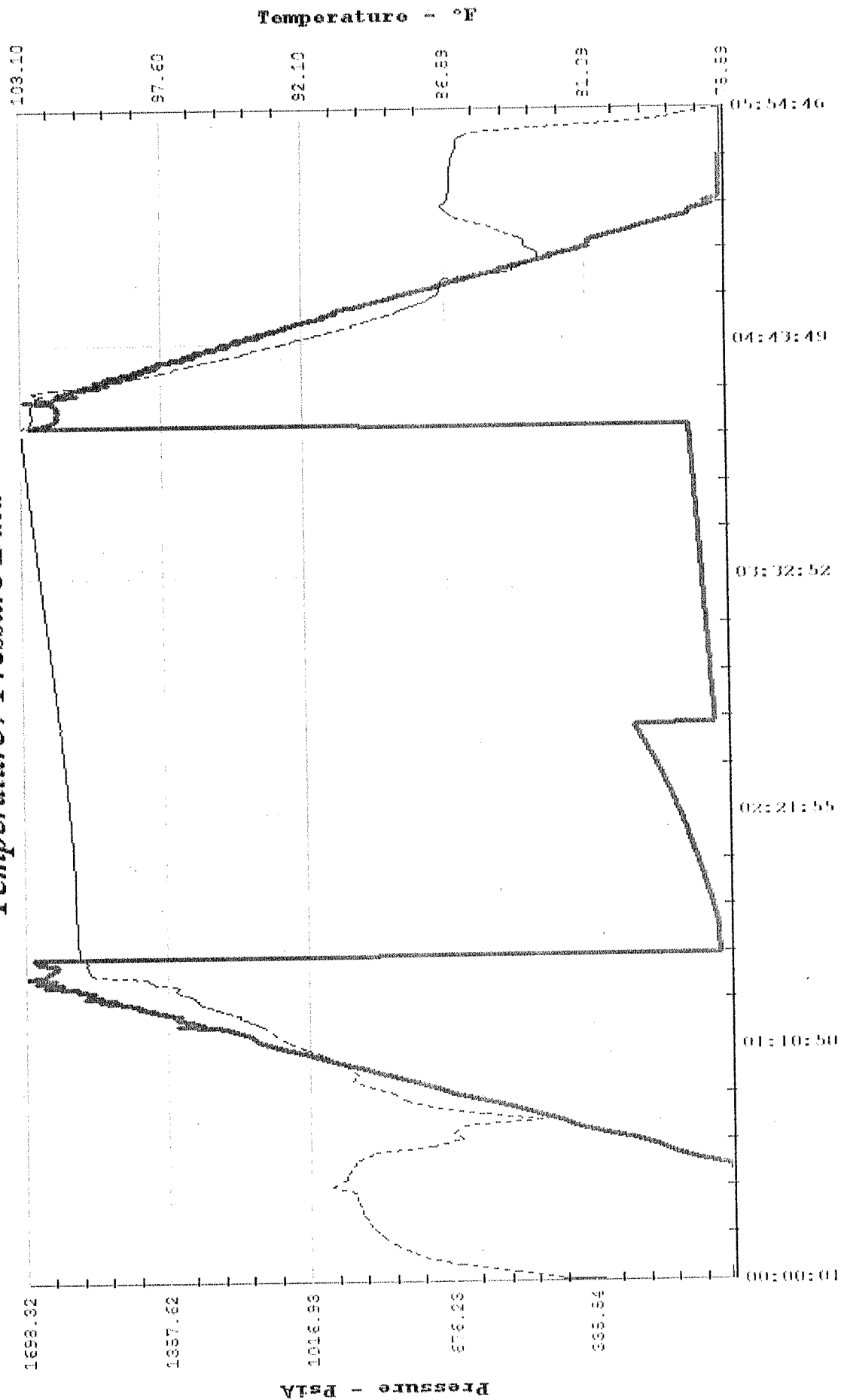
EXTRA EQUIPMENT

JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	YES	HOOK WALL	NO
		SAMPLER	NO
	21 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3401	BOTTOM RECORDER DEPTH	3404
RECORDER NUMBER	91951	RECORDER NUMBER	5463

WELL INFORMATION

DRILL PIPE LENGTH	3367	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	9.2
WEIGHT PIPE I.D.	2.25	VISCOSITY	45
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	10
		CHLORIDES-PITS	5,000
		CHLORIDES-DST	

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-11-05 Location 5-21-14 Elevation 1912 County Stafford

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

Charts Mailed to 9431 E central st 100 Wichita KS 67206

Drilling Contractor Duke Drilling Company LLC Rig #8

Length Drill Pipe 3390 I.D. Drill Pipe 3.8 Tool Joint Size 4 1/2 XH

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

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

Top Packer Depth 3391 Bottom Packer Depth 3396 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3396 TO 3410 ANCHOR LENGTH 14 TOTAL DEPTH 3410 Hole Size 7 7/8

LEASE & WELL NO. DHe #2-5 FORMATION TESTED LHC "6" zone TEST NO. 7

Mud Weight 9.2 Viscosity 49 Water Loss 9.2 Chlorides - Pits 5000 D.S.T. _____

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1078 P.S.I. Final Hydrostatic Pressure (H) 11662 P.S.I.

Tool Open I.F.P. from 10:05 A to 10:15 A 10 min

Tool Closed I.C.I.P. from 10:15 A to 10:45 A 30 min

Tool Open F.F.P. from 10:45 A to 11:00 A 15 min

Tool Closed F.C.I.P. from 11:00 A to 11:30 A 30 min

Initial Blow Weak Blow 1/2 inch into Bucket

Final Blow Weak Blow 1/2 inch into Bucket

Total Feet Recovered 15 mud Gravity of Oil _____ Corrected

15 Feet of 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 yes Safety Joint yes Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4023 Clock No. Electronic Depth 3406 Cir. Sub yes Sampler _____

Bottom Recorder No. 3088 Clock No. 47441 Depth 3409 Insurance _____

Price of Job _____

Tool Operator Frank Scholtz

Approved By _____

NO 14800

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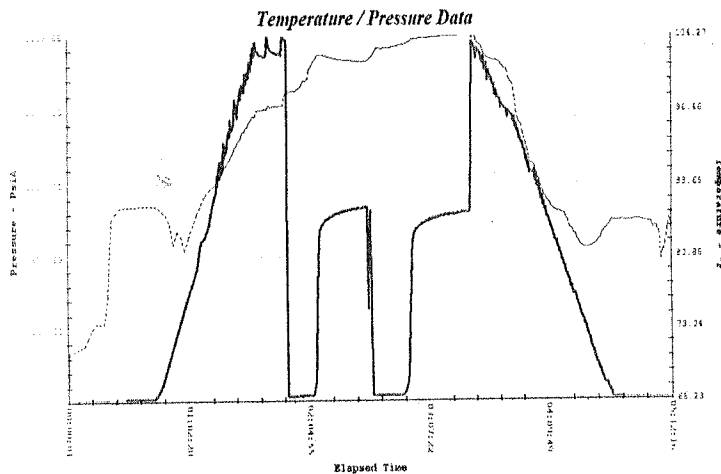
SUPERIOR TESTERS ENTERPRISES INC.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C
RGE. 14



1	Initial Hydrostatic Pressure	1678
2	Initial Flow Pressure	16
3	Final Initial Flow Pressure	20
4	Initial Shut-In Pressure	907
5	Initial Final Flow Pressure	19
6	Final Flow Pressure	23
7	Final Shut-In Pressure	884
8	Final Hydrostatic Pressure	1662

Maximum Temperature 104

GENERAL INFORMATION

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

TEST DATE 8/11/05

SECTION-TOWN-RANGE 5-21W-14S

STATE KANSAS

COUNTY STAFFORD

ELEVATION GROUND LEVEL 1912

COMPANY REPRESENTATIVE DUKE DRILLING CO

LEASE AND WELL NUMBER OTTE #2-5

FORMATION TESTED LKC" G"

DRILL STEM TEST NUMBER 7

REPORT NUMBER 14800

ELEVATION KELLY BUSHINGS 1920

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 5

TEST INTERVAL (to)

ANCHOR LENGTH -5

TOTAL DEPTH (ft)

TOP PACKER DEPTH

BOTTOM PACKER DEPTH 5

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 10:05A

INITIAL OPEN TOOL OPEN (to) 10:15A

DURATION (min.) 10

FINAL OPEN

TOOL OPEN (from) 10:45A

TOOL OPEN (to) 11:00A

DURATION (min.) 15

TOOL CLOSED (from) 10:15A

INITIAL SHUT-IN TOOL CLOSED (to) 10:45A

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 11:00A

TOOL CLOSED (to) 11:30A

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW 1/2 INCH INTO BUCKET

FINAL FLOW

WEAK SURFACE BLOW 1/2 INCH INTO BUCKET

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 15	MUD				
2)					
3)					
4)					
5)					
6)					

Lease & Well No. OTTE #2-5 Test #: 7 Date: 8-11-05 SEC. 5 TWP. 21

SUPERIOR TESTERS ENTERPRISES INC.

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	OTTE #2-5
TEST DATE	8/11/05	FORMATION TESTED	LKC"G"
SECTION-TOWN-RANGE	5-21W-14S	DRILL STEM TEST NUMBER	7
STATE	KANSAS	REPORT NUMBER	14800
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1920
ELEVATION GROUND LEVEL	1912	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	DUKE DRILLING COMPANY		

EXTRA EQUIPMENT

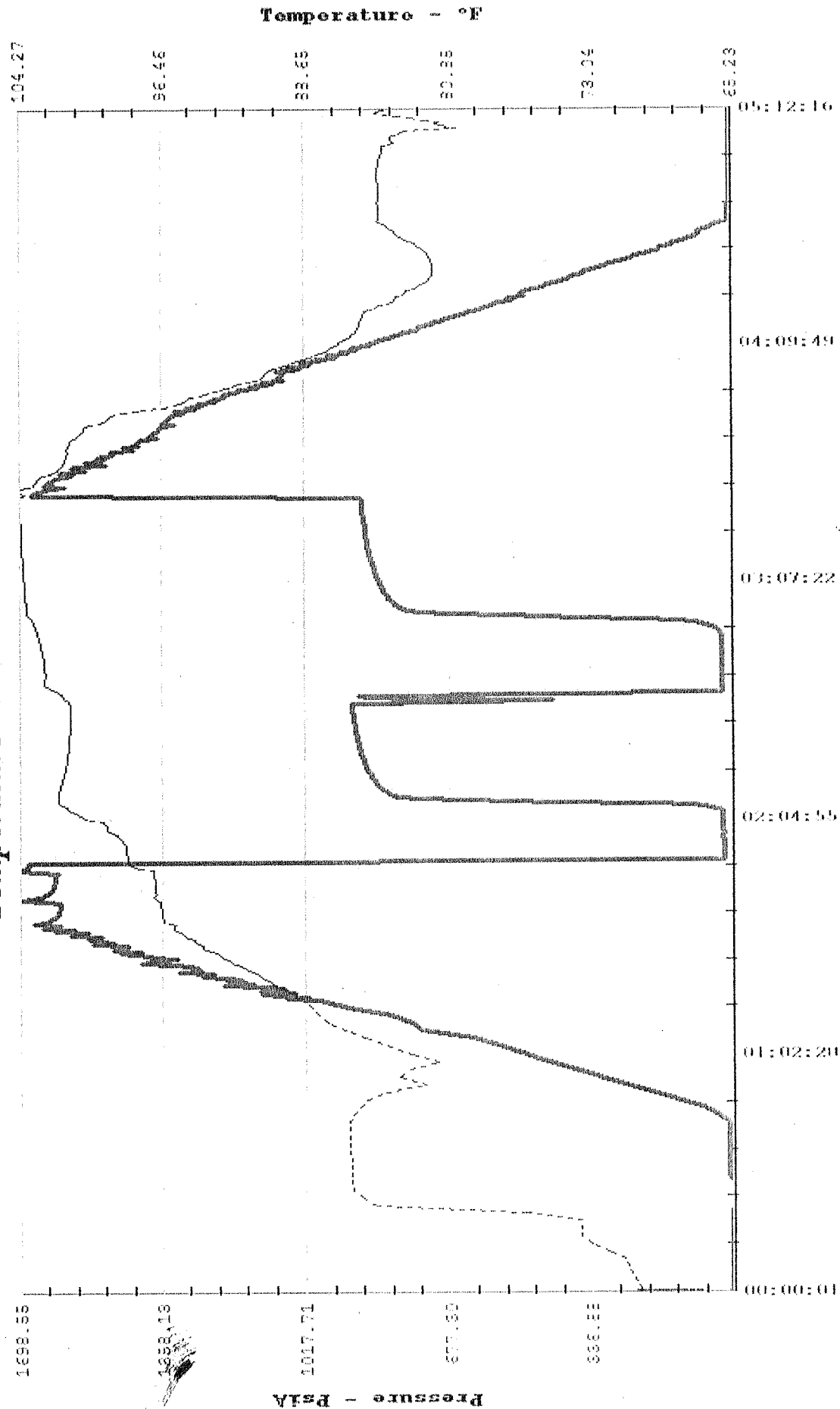
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	YES	HOOK WALL	NO
		SAMPLER	NO
	21 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3406	BOTTOM RECORDER DEPTH	3407
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING COMPANY L.L.C RIG #8		
DRILL PIPE LENGTH	3370	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	9.2
WEIGHT PIPE I.D.	2.25	VISCOSITY	49
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	9.2
		CHLORIDES-PITS	5,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

2-05 Location S-21-14 Elevation 1912 County Stafford
 to B Hall Company LLC Number of Copies 5
9431 E central St 100 Wichita KS 67206
 actor Duke Drilling Company LLC Rig # 8
 Pipe 3404 I.D. Drill Pipe 38 Tool Joint Size 4 1/2 XH
 it Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____
 Collars _____ I.D. Drill Collars _____ Tool Joint Size _____
 eph 3425 Bottom Packer Depth 3430 Number of Packers 2 Packer Size 6 3/4
 IM 3430 TO 3480 ANCHOR LENGTH 50 TOTAL DEPTH 3480 Hole Size 7 1/8
 ELL NO. 0tte #2-5 FORMATION TESTED LKC "H" "I" "J" TEST NO. 8
 mp. 92 Viscosity 49 Water Loss 92 Chlorides - Pits 5.000 D.S.T. _____
 mp. 104 °F Initial Hydrostatic Pressure (A) 1704 P.S.I. Final Hydrostatic Pressure (H) 1657 P.S.I.

F.P. from 4:55 A.m to 5:05 A.m 10 min
 I.C.I.P. from 5:05 A.m to 5:35 A.m 30 min
 F.P. from 5:35 A.m to 5:50 A.m 15 min
 F.C.I.P. from 5:50 A.m to 6:20 A.m 30 min

from [B] 36 P.S.I. to [C] 42 P.S.I.
 [D] 986 P.S.I.
 from [E] 44 P.S.I. to [F] 54 P.S.I.
 [G] 975 P.S.I.

Weak about 3/4 inch into Bucket Surface Blow
Weak Surface Blow 1 inch into water

recovered 35 feet speak oil & mud Gravity of Oil _____ Corrected _____
 et of speak oil, mud %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____
 et of _____ %Gas _____ %Oil _____ %Mud _____ %Water _____

ipment - Jars yes Safety Joint yes Extra Packer _____ Straddle _____ Hook Wall _____
 der No. 4023 Clock No. Electronic Depth 3476 Cir. Sub yes Sampler _____
 recorder No. 3088 Clock No. 47441 Depth 3477 Insurance _____

By [Signature]

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, or 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 INC.

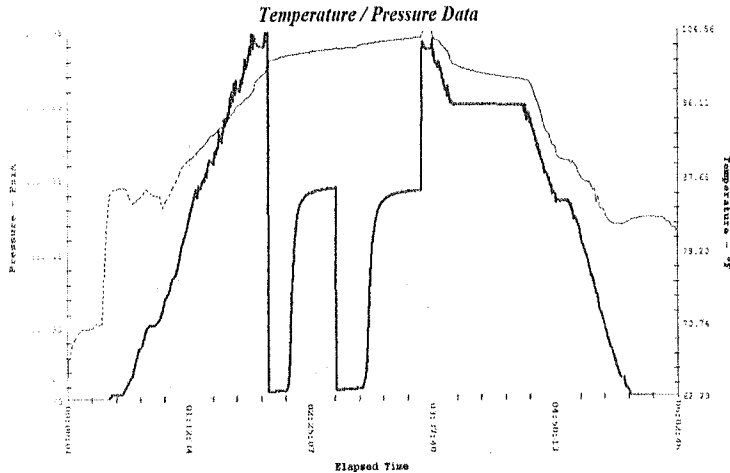
(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G HOLL COMPANY L.L.C
RGE. 14

Lease & Well No. OTTE #2-5 Test #: 8 Date: 8-12-05 SEC. 5 TWP. 21



1	Initial Hydrostatic Pressure	1704
2	Initial Flow Pressure	36
3	Final Initial Flow Pressure	42
4	Initial Shut-In Pressure	986
5	Initial Final Flow Pressure	44
6	Final Flow Pressure	54
7	Final Shut-In Pressure	975
8	Final Hydrostatic Pressure	1657

Maximum Temperature 104

GENERAL INFORMATION

COMPANY NAME F.G HOLL COMPANY L.L.C
TEST DATE 8/12/05
SECTION-TOWN-RANGE 5-21W-14S
STATE KANSAS
COUNTY STAFFORD
ELEVATION GROUND LEVEL 1912
COMPANY REPRESENTATIVE DUKE DRILLING CO/ TESTING ENGINEER GENE BUDIG
LEASE AND WELL NUMBER OTTE #2-5
FORMATION TESTED LKC "H" "I" "J"
DRILL STEM TEST NUMBER 8
REPORT NUMBER 14914
ELEVATION KELLY BUSHINGS 1920

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3430
TEST INTERVAL (to)
ANCHOR LENGTH -3430
TOTAL DEPTH (ft) 3480
TOP PACKER DEPTH 3425
BOTTOM PACKER DEPTH 3430
NUMBER OF PACKERS 2
PACKER SIZE 6 3/4
HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 4:55A
TOOL OPEN (from) 5:35A
INITIAL OPEN TOOL OPEN (to) 5:05A
TOOL OPEN (to) 5:50A
DURATION (min.) 10
DURATION (min.) 15
TOOL CLOSED (from) 5:05A
TOOL CLOSED (from) 5:50A
INITIAL SHUT-IN TOOL CLOSED (to) 5:35A
FINAL SHUT-IN TOOL CLOSED (to) 6:20A
DURATION (min.) 30
DURATION (min.) 30

INITIAL FLOW WEAK SURFACE BLOW 3/4 INCH IN TO BUCKET

FINAL FLOW WEAK SURFACE BLOW 1 INCH INTO BUCKET

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
1) 34	SPEAK OIL IN MUD				
2)					
3)					
4)					
5)					
6)					

SUPERIOR TESTERS ENTERPRISES INC.

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	OTTE #2-5
TEST DATE	8/12/05	FORMATION TESTED	LKC"H""I""J"
SECTION-TOWN-RANGE	5-21W-14S	DRILL STEM TEST NUMBER	8
STATE	KANSAS	REPORT NUMBER	14914
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1920
ELEVATION GROUND LEVEL	1912	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	DUKE DRILLING COMPANY		

EXTRA EQUIPMENT

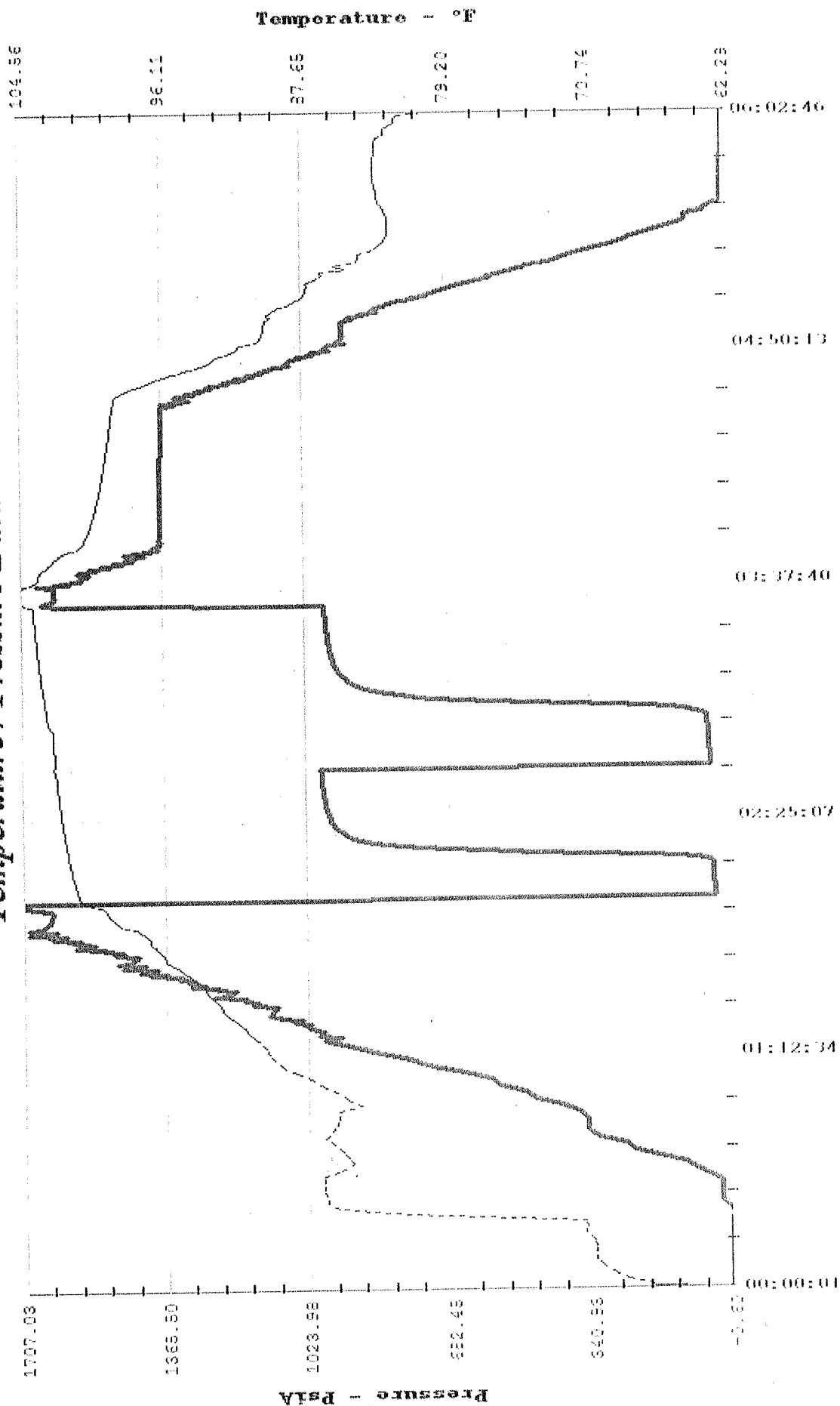
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	YES	HOOK WALL	NO
		SAMPLER	NO
	21 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3476	BOTTOM RECORDER DEPTH	3477
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING COMPANY L.L.C RIG #8		
DRILL PIPE LENGTH	3404	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	9.2
WEIGHT PIPE I.D.	2.25	VISCOSITY	49
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	9.2
		CHLORIDES-PITS	5,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-12-05 Location 5-21-14 Elevation 1912 County Stafford
Company F.G. Hall Company L.L.C. Number of Copies 5
Parts Mailed to 9431 E Central St 100 Wichita KS 67206
Drilling Contractor Duke Drilling Company L.L.C. Rig #8
Length Drill Pipe 3490 I.D. Drill Pipe 3.8 Tool Joint Size 4" x 4"
Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____
Length Drill Collars _____ I.D. Drill Collars _____ Tool Joint Size _____

Top Packer Depth 3513 Bottom Packer Depth 3518 Number of Packers 2 Packer Size 6 3/4
TESTED FROM 3518 TO 3544 ANCHOR LENGTH 28 TOTAL DEPTH 3544 Hole Size 7 7/8

Case & Well No. OH #2-5 FORMATION TESTED _____ TEST NO. 9
Mud Weight 9.1 Viscosity 41 Water Loss 8.8 Chlorides - Pits 5.000 D.S.T. _____
Maximum Temp. 102 °F Initial Hydrostatic Pressure (A) 1763 P.S.I. Final Hydrostatic Pressure (H) 1693 P.S.I.

Tool Open I.F.P. from 8:45 p.m. to 8:55 p.m. 10 min
Tool Closed I.C.I.P. from 8:55 p.m. to 9:00 p.m. 5 min
Tool Open F.F.P. from 9:00 p.m. to 9:15 p.m. 15 min
Tool Closed F.C.I.P. from 9:15 p.m. to 10:00 p.m. 45 min

from [B] <u>216</u> P.S.I. to [C] <u>28</u> P.S.I.
[D] <u>843</u> P.S.I.
from [E] <u>28</u> P.S.I. to [F] <u>34</u> P.S.I.
[G] <u>42</u> P.S.I.

Initial Blow NO Blow flushed tool
Final Blow Weak Surface Blow top of Bucket

Total Feet Recovered 20 speck of oil in mud Gravity of Oil _____ Corrected _____
Feet of speck oil in 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 _____

Remarks _____

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

Top Recorder No. 4823 Clock No. Electronic Depth 3540 Cir. Sub yes Sampler _____
Bottom Recorder No. 3088 Clock No. 417441 Depth 3543 Insurance _____

Price of Job _____

Tool Operator Am J. G. H.

Approved By _____

NO 14915

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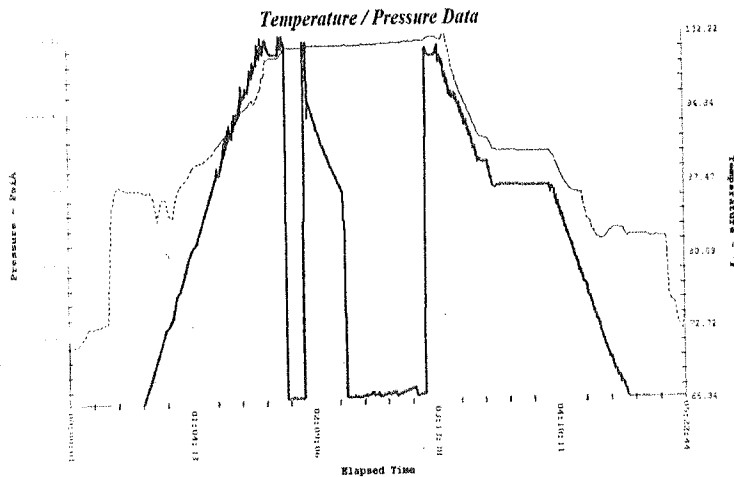
SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

1(866)792-6902

Company: F.G HOLL COMPANY L.L.C
RGE. 14



1	Initial Hydrostatic Pressure	1763
2	Initial Flow Pressure	26
3	Final Initial Flow Pressure	28
4	Initial Shut-In Pressure	843
5	Initial Final Flow Pressure	28
6	Final Flow Pressure	34
7	Final Shut-In Pressure	42
8	Final Hydrostatic Pressure	1693

Maximum Temperature 102

GENERAL INFORMATION

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

TEST DATE 8/12/05

SECTION-TOWN-RANGE 5-21W-14S

STATE KANSAS

COUNTY STAFFORD

ELEVATION GROUND LEVEL 1912

COMPANY REPRESENTATIVE DUKE DRILLING CO/ TESTING ENGINEER

LEASE AND WELL NUMBER OTTE #2-5

FORMATION TESTED

DRILL STEM TEST NUMBER 9

REPORT NUMBER 14915

ELEVATION KELLY BUSHINGS 1920

TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3518

TEST INTERVAL (to)

ANCHOR LENGTH -3518

TOTAL DEPTH (ft) 3544

TOP PACKER DEPTH 3513

BOTTOM PACKER DEPTH 3518

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 8:45P

INITIAL OPEN TOOL OPEN (to) 8:55P

DURATION (min.) 10

FINAL OPEN

TOOL OPEN (from) 9:00P

TOOL OPEN (to) 9:15P

DURATION (min.) 15

TOOL CLOSED (from) 8:55P

INITIAL SHUT-IN TOOL CLOSED (to) 9:00P

DURATION (min.) 5

FINAL SHUT-IN

TOOL CLOSED (from) 9:15P

TOOL CLOSED (to) 10:00P

DURATION (min.) 45

INITIAL FLOW

NO BLOW FLUSHED TOOL

FINAL FLOW

WEAK SURFACE BLOW TOP OF BUCKET

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 20	SPEAK OF OIL IN MUD				
2)					
3)					
4)					
5)					
6)					

Lease & Well No. OTTE #2-5

Test #: 9

Date: 8-12-05

SEC. 5 TWP. 21

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME F.G HOLL COMPANY L.L.C
TEST DATE 8/12/05
SECTION-TOWN-RANGE 5-21W-14S
STATE KANSAS
COUNTY STAFFORD
ELEVATION GROUND LEVEL 1912
COMPANY REPRESENTATIVE DUKE DRILLING COMPANY

LEASE AND WELL NUMBER OTTE #2-5
FORMATION TESTED
DRILL STEM TEST NUMBER 9
REPORT NUMBER 14915
ELEVATION KELLY BUSHINGS 1920
TESTING ENGINEER GENE BUDIG

EXTRA EQUIPMENT

JARS YES
SAFETY JOINT YES
ELECTRONIC RECORDER YES
CIRCULATING SUB YES
21 MILES ROUND TRIP FROM GREAT BEND

TOP RECORDER DEPTH
RECORDER NUMBER 91981

EXTRA PACKER (3RD) NO
EXTRA PACKER (4TH) NO
STRADDLE NO
HOOK WALL NO
SAMPLER NO
BOTTOM RECORDER DEPTH 1
RECORDER NUMBER 5463

WELL INFORMATION

DRILLING CONTRACTOR DUKE DRILLING COMPANY L.L.C RIG #8
DRILL PIPE LENGTH 3490
DRILL PIPE I.D. 3.8
TOOL JOINT SIZE 4 1/2 X.H.

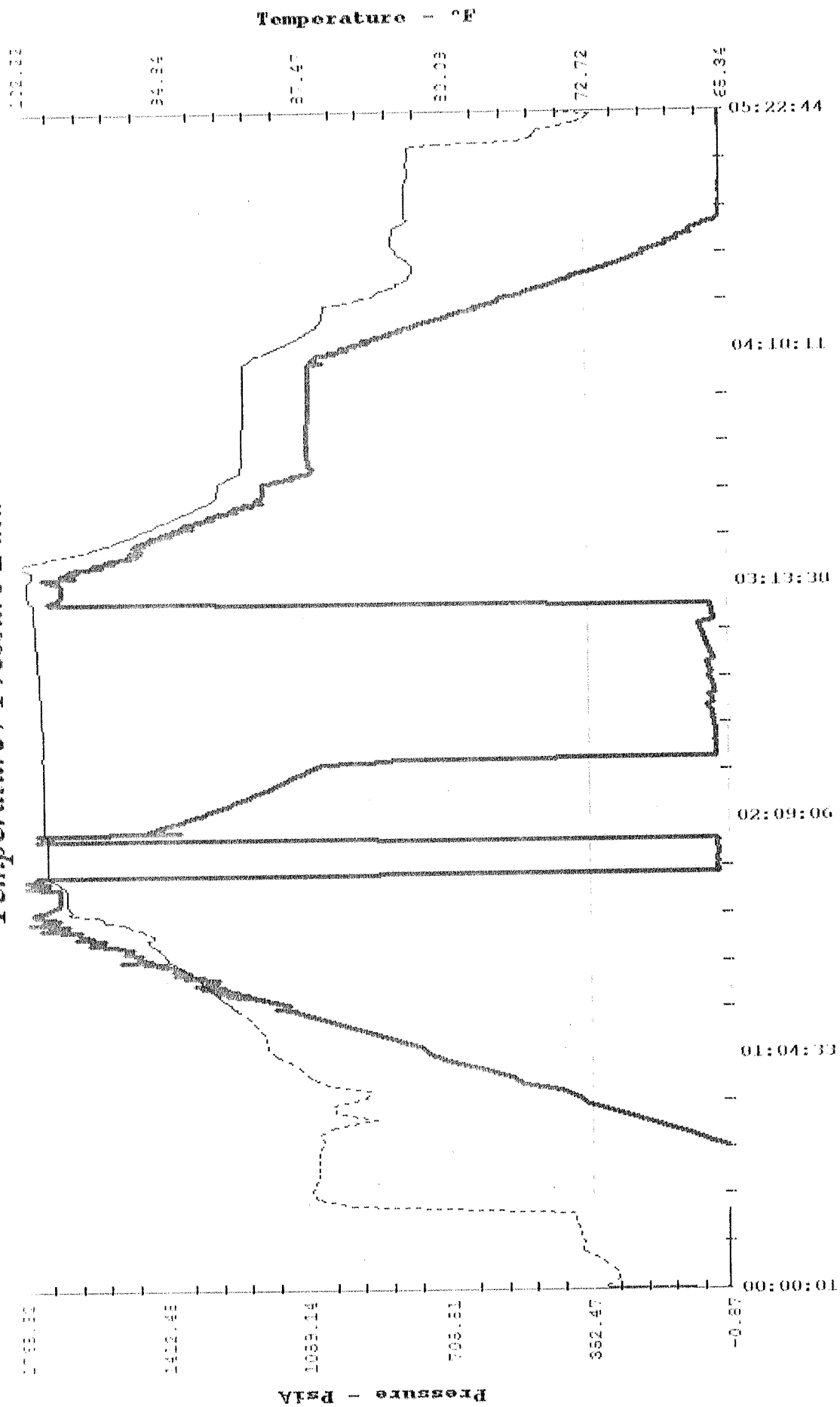
DRILL COLLAR LENGTH
DRILL COLLAR I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.

WEIGHT PIPE LENGTH
WEIGHT PIPE I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.

MUD WEIGHT #/GAL 9.1
VISCOSITY 41
WATER LOSS 8.8
CHLORIDES-PITS 5,000
CHLORIDES-DST

COMMENTS

Temperature / Pressure Data



F.G.HOLL COMPANY L.L.C OTTE #2-5 5-21W-14S 8-12-05