F.G. Hull Co.
Nolte 'A' 1-7

7-21s-12w
15-185-23380

Superior Testers Enterprises, Inc.

15-185-23380-00-00

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

Date 9-2-06 Location 7-21-12W Elevation 1854 KB 1860 County Stafford

Company F.G Holl Company LLC Number of Copies 5

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

Drilling Contractor Petromark Drilling Rig #2

Length Drill Pipe 3481.05 I.D. Drill Pipe 3.8 Tool Joint Size 4½ XH

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

Length Drill Collars 161.32 I.D. Drill Collars 2.25 Tool Joint Size 4½ XH

Top Packer Depth 3136 Bottom Packer Depth 3141 Number of Packers 2 Packer Size 6¾

TESTED FROM 3141 TO 3242 ANCHOR LENGTH 101 TOTAL DEPTH 3242 Hole Size 7⅞

LEASE & WELL NO. Nolte A1-7 FORMATION TESTED Douglas TEST NO. 1

Mud Weight 9.3 Viscosity 49 Water Loss 8.0 Chlorides - Pits 4,000 D.S.T. _____

Maximum Temp. _____ °F Initial Hydrostatic Pressure (A) 1490 P.S.I. Final Hydrostatic Pressure (H) 1460 P.S.I.

Tool Open I.F.P. from 12:11 pm to 12:26 pm 15 min

Tool Closed I.C.I.P. from 12:26 pm to 12:56 pm 30 min

Tool Open F.F.P. from 12:56 pm to 1:11 pm 15 min

Tool Closed F.C.I.P. from 1:11 pm to 1:41 pm 30 min

from [B]	77 P.S.I.	to [C]	77 P.S.I.
[D]	125 P.S.I.		
from [E]	77 P.S.I.	to [F]	77 P.S.I.
[G]	106 P.S.I.		

Initial Blow Weak Surface Died at

Final Blow Surface Blow Died at

Total Feet Recovered 5 Drilling Mud Gravity of Oil _____ Corrected

5 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

Remarks _____

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

Top Recorder No. 4023 Clock No. Electronic Depth 3238 Cir. Sub — Sampler —

Bottom Recorder No. 3088 Clock No. 47441 Depth 3239 Insurance _____

Price of Job _____

Tool Operator _____

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to t
property or personnel of the one for whom a test is made, of for any loss suffered
sustained, directly or indirectly, through the use of its equipment, or its statements

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1	Initial Hydrostatic Pressure	1490
2	Initial Flow Pressure	77
3	Final Initial Flow Pressure	77
4	Initial Shut-In Pressure	125
5	Initial Final Flow Pressure	77
6	Final Flow Pressure	77
7	Final Shut-In Pressure	106
8	Final Hydrostatic Pressure	1460

Maximum Temperature

GENERAL INFORMATION

COMPANY NAME	F. G. HOLL COMPANY L. L. C.		
TEST DATE	9/2/03	LEASE AND WELL NUMBER	NOLTE A
SECTION-TOWN-RANGE	7-21-12 W	FORMATION TESTED	DOOUGLES
STATE	KANSAS	DRILL STEM TEST NUMBER	1
COUNTY	STAFFORD	REPORT NUMBER	14399
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1860
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	JARED SCHECK

TOOL SETTING INFORMATION

		TOP PACKER DEPTH	3136
TEST INTERVAL (From)	3141	BOTTOM PACKER DEPTH	3141
TEST INTERVAL (to)	3242	NUMBER OF PACKERS	2
ANCHOR LENGTH	101	PACKER SIZE	6 3/4
TOTAL DEPTH (ft)	3242	HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	12:11PM		TOOL OPEN (from)	12:56PM
INITIAL OPEN	TOOL OPEN (to)	12:26PM	*FINAL OPEN*	TOOL OPEN (to)	1:11
	DURATION (min.)	15MN		DURATION (min.)	15MN
	TOOL CLOSED (from)	12:26PM		TOOL CLOSED (from)	1:11
INITIAL SHUT-IN	TOOL CLOSED (to)	12:56PM	*FINAL SHUT-IN*	TOOL CLOSED (to)	1:41PM
	DURATION (min.)	30MN		DURATION (min.)	30MN

INITIAL FLOW WEAK SURFACE BLOW DIED OFF

FINAL FLOW SURFACE BLOW DIED OFF

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

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. 1-7 Test #: 1 Date: 9-2-06 SEC. 7 TWP. 21 RGE. 12

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	9/2/03	LEASE AND WELL NUMBER	NOLTE A
SECTION-TOWN-RANGE	7-21-12 W	FORMATION TESTED	KANSAS CITY
STATE	KANSAS	DRILL STEM TEST NUMBER	1
COUNTY	STAFFORD	REPORT NUMBER	14398
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1860
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	JARED SCHECK

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	15 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3238	BOTTOM RECORDER DEPTH	3239
RECORDER NUMBER	4023	RECORDER NUMBER	3088

WELL INFORMATION

DRILLING CONTRACTOR	PETROMARK DRILLING L. L.	RIG #2	
DRILL PIPE LENGTH	3481.05	DRILL COLLAR LENGTH	161.32
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	49
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8
		CHLORIDES-PITS	6,000
		CHLORIDES-DST	

COMMENTS

Superior Testers Enterprises, Inc.

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

Date 9-3-06 Location 7-21-12 Elevation 1854 County Stafford

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

Charts Mailed to 9431 E. Central Suite #100

Drilling Contractor Petromark Drilling

Length Drill Pipe 30 4/4 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

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

Length Drill Collars 180 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3241 Bottom Packer Depth 3246 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3246 TO 3288 ANCHOR LENGTH 42 TOTAL DEPTH 3288 Hole Size 7 7/8

LEASE & WELL NO. NOLTE "A" FORMATION TESTED Kansas City TEST NO. 2

Mud Weight 9.3 Viscosity 48 Water Loss 8.0 Chlorides - Pits 7,000 D.S.T. ____

Maximum Temp. 102 °F Initial Hydrostatic Pressure (A) 1633 P.S.I. Final Hydrostatic Pressure (H) 1594 P.S.I.

Tool Open I.F.P. from 3:28 A m to 3:38 A m 10 min

Tool Closed I.C.I.P. from 3:38 A m to 4:38 A m 60 min

Tool Open F.F.P. from 4:38 A m to 5:23 A m 45 min

Tool Closed F.C.I.P. from 5:23 A m to 6:53 A m 90 min

from [B]	58 P.S.I.	to [C]	70 P.S.I.
[D]	297		P.S.I.
from [E]	62 P.S.I.	to [F]	85 P.S.I
[G]	255		P.S.I.

Initial Blow good Blow Bottom Bucket in 3 min

Final Blow good Blow Bottom of Bucket in Less 1 min died

Total Feet Recovered Down to 1in into Water in 10 Min Gravity of Oil ____ Corrected

70 Feet of	O,L Mud	%Gas	3 %Oil	95 %Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water
____ Feet of		%Gas	%Oil	%Mud	%Water

Remarks ____

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

Top Recorder No. 9148C Clock No. C/C Depth 3284 Cir. Sub — Sampler —

Bottom Recorder No. 17441 Clock No. 5463 Depth 3285 Insurance ____

Price of Job ____

Tool Operator DAWID Nichols

Approved By ____

NO 14099

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.

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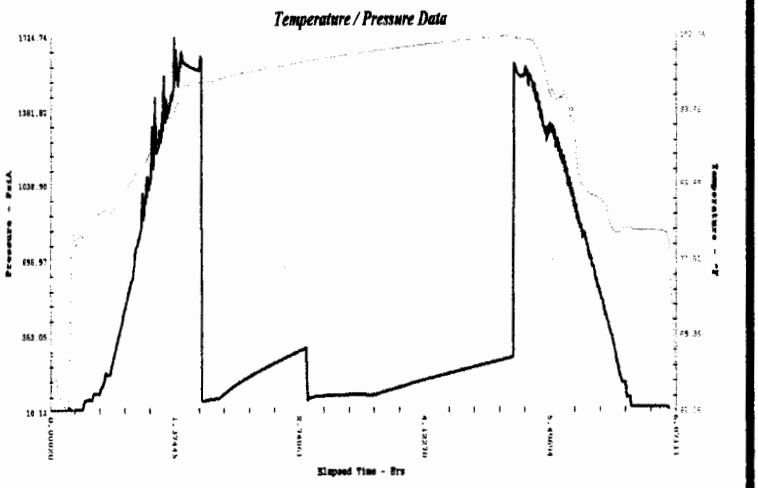
DRILL STEM TEST REPORT

GREAT BEND,KANSAS 67530



1	Initial Hydrostatic Pressure	1633
2	Initial Flow Pressure	58
3	Final Initial Flow Pressure	70
4	Initial Shut-In Pressure	297
5	Initial Final Flow Pressure	62
6	Final Flow Pressure	85
7	Final Shut-In Pressure	255
8	Final Hydrostatic Pressure	1594
	Maximum Temperature	102

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.		
TEST DATE	9/3/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12 W	FORMATION TESTED	KANSAS CITY
STATE	KANSAS	DRILL STEM TEST NUMBER	2
COUNTY	STAFFORD	REPORT NUMBER	14999
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVID GOLDSMITH

TOOL SETTING INFORMATION

		TOP PACKER DEPTH	3241
TEST INTERVAL (From)	3246	BOTTOM PACKER DEPTH	3246
TEST INTERVAL (to)	3288	NUMBER OF PACKERS	2
ANCHOR LENGTH	42	PACKER SIZE	6 3/4
TOTAL DEPTH (ft)	3288	HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	3:28	TOOL OPEN (from)	4:38
INITIAL OPEN	TOOL OPEN (to)	3:38AM	*FINAL OPEN* TOOL OPEN (to)	5:23
	DURATION (min.)	10	DURATION (min.)	45
	TOOL CLOSED (from)	3:38	TOOL CLOSED (from)	5:23
INITIAL SHUT-IN	TOOL CLOSED (to)	4:38	*FINAL SHUT-IN* TOOL CLOSED (to)	6:53
	DURATION (min.)	60	DURATION (min.)	90

INITIAL FLOW GOOD BLOW BOTTOM BUCKET 3MN

FINAL FLOW GOOD BLOW BOTTOM OF BUCKET IN LESS 1MN DIED DOWN TO 1IN INTO WATER IN 10MN

Feet of Recovery	RESISTIVITY AT DEGREES	CHLORIDES			
	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 70	OIL MUD		5	95	
2)					
3)					
4)					
5)					

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. NOLTE A 1-7 Test #: 2 Date: 9-3-06 SEC. 7 TWP. 21 RGE. 12

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	9/3/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12 W	FORMATION TESTED	KANSAS CITY
STATE	KANSAS	DRILL STEM TEST NUMBER	2
COUNTY	STAFFORD	REPORT NUMBER	14999
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVID GOLDSMITH

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	NO	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23 MILES ROUND TRIP FROM GREAT BEND		
TOP RECORDER DEPTH	3284	BOTTOM RECORDER DEPTH	3285
RECORDER NUMBER	91986	RECORDER NUMBER	5463

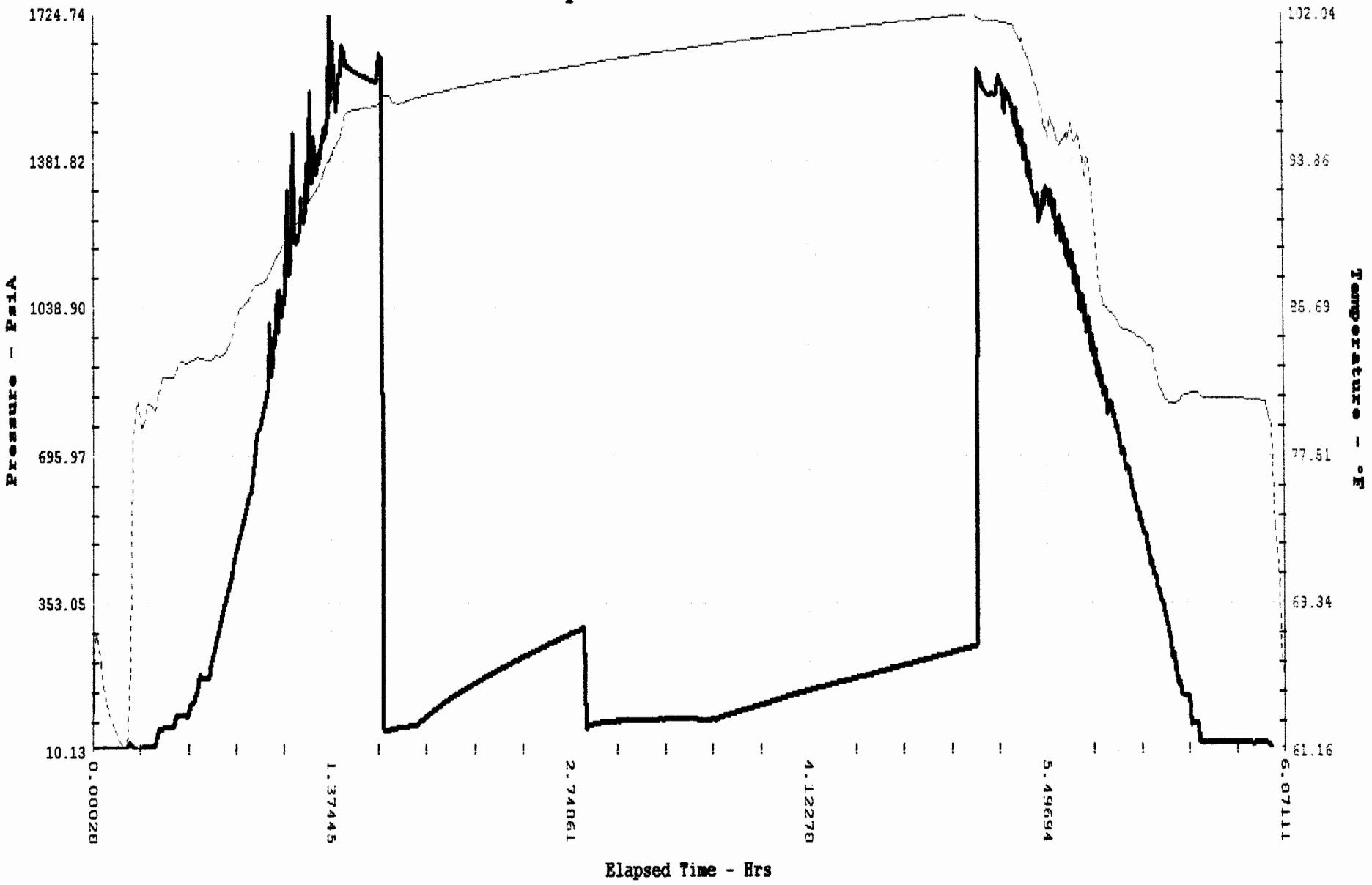
WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK DRILLING L.L.C.

DRILL PIPE LENGTH	3044	DRILL COLLAR LENGTH	180
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	48
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8
		CHLORIDES-PITS	7000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



F.G.HOLL DRILLING COMPANY L.L.C. 7-21-12 W 9-3-06 DST 2 KANSAS CITY

Superior Testers Enterprises, Inc.

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

Date 9-3-06 Location 7-21-12 Elevation 1854 County Stafford

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

Charts Mailed to 9431 E. Central Suite 100

Drilling Contractor Petromark Drilling LL

Length Drill Pipe 3166 I.D. Drill Pipe 3.80 Tool Joint Size 4½ XH

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

Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4½ XH

Top Packer Depth 3303 Bottom Packer Depth 3308 Number of Packers 2 Packer Size 6¾

TESTED FROM 3308 TO 3332 ANCHOR LENGTH 24 TOTAL DEPTH 3332 Hole Size 7⅞

LEASE & WELL NO. Nolte A 1-7 FORMATION TESTED Kansas City TEST NO. 3

Mud Weight 9.3 Viscosity 48 Water Loss 8.0 Chlorides - Pits 7,000 D.S.T.

Maximum Temp. 105 °F Initial Hydrostatic Pressure (A) 1522 P.S.I. Final Hydrostatic Pressure (H) 1505 P.S.I.

Tool Open I.F.P. from 6:40 p m to 6:55 p m 15 min

Tool Closed I.C.I.P. from 6:55 p m to 7:25 p m 30 min

Tool Open F.F.P. from 7:25 p m to 7:55 p m 30 min

Tool Closed F.C.I.P. from 7:55 p m to 8:55 p m 60 min

from [B]	57 P.S.I.	to [C]	69 P.S.I.
[D]	797 P.S.I.		
from [E]	64 P.S.I.	to [F]	93 P.S.I.
[G]	819 P.S.I.		

Initial Blow very Weak Building Blow Built to 1in into water

Final Blow very Weak surface blow

Total Feet Recovered Gravity of Oil Corrected

60 Feet of Muddy water	%Gas	%Oil	40 %Mud	60 %Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	
Feet of	%Gas	%Oil	%Mud	%Water	

Remarks

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

Top Recorder No. 91986 Clock No. ELE Depth 3328 Cir. Sub — Sampler —

Bottom Recorder No. 47441 Clock No. 5463 Depth 3329 Insurance —

Price of Job

Tool Operator David K Goldsmith

Approved By

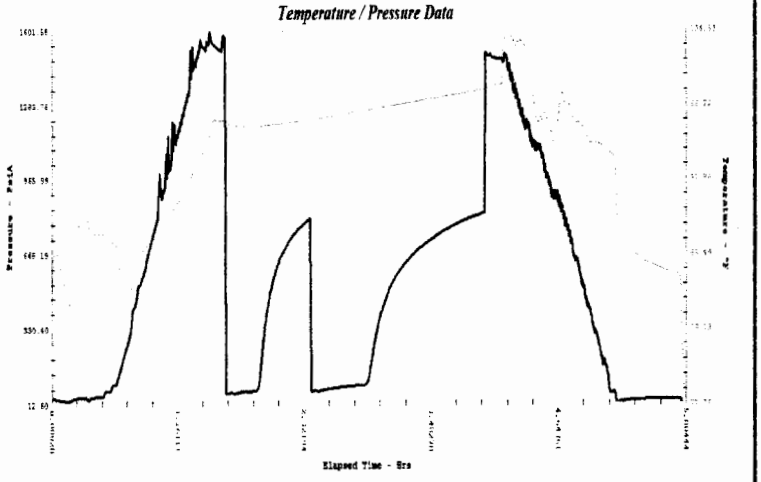
Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test.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

№ 15000

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902 — **DRILL STEM TEST REPORT** — GREAT BEND,KANSAS 67530

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1577
2	Initial Flow Pressure	57
3	Final Initial Flow Pressure	69
4	Initial Shut-In Pressure	797
5	Initial Final Flow Pressure	64
6	Final Flow Pressure	93
7	Final Shut-In Pressure	819
8	Final Hydrostatic Pressure	1505
	Maximum Temperature	105

GENERAL INFORMATION

COMPANY NAME	F.G. HOLL COMPANY L.L.C.		
TEST DATE	9/3/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	KANSAS CITY
STATE	KANSAS	DRILL STEM TEST NUMBER	3
COUNTY	STAFFORD	REPORT NUMBER	15000
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1860
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3308	TOP PACKER DEPTH	3303
TEST INTERVAL (to)	3332	BOTTOM PACKER DEPTH	3308
ANCHOR LENGTH	24	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3332	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	6:40		TOOL OPEN (from)	7:25
INITIAL OPEN	TOOL OPEN (to)	6:55	*FINAL OPEN*	TOOL OPEN (to)	7:55
	DURATION (min.)	15		DURATION (min.)	30
	TOOL CLOSED (from)	6:55		TOOL CLOSED (from)	7:55
INITIAL SHUT-IN	TOOL CLOSED (to)	7:25	*FINAL SHUT-IN*	TOOL CLOSED (to)	8:55
	DURATION (min.)	30		DURATION (min.)	60

INITIAL FLOW VERY WEAK BUILDING BLOW BUILT TO 1" INTO WATER

FINAL FLOW VERY WEAK SURFACE BLOW

	Feet of Recovery	RESISTIVITY AT DEGREES — RECOVERY DESCRIPTION	CHLORIDES % GAS	% OIL	% MUD	% WATER
1)	60	MUDDY WATER			40	60
2)						
3)						
4)						
5)						

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. NOLTE A 1-7 Test #: 3 Date: 9-3-06 SEC. 7 TWP. 21 RGE. 12

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	9/3/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	KANSAS CITY
STATE	KANSAS	DRILL STEM TEST NUMBER	3
COUNTY	STAFFORD	REPORT NUMBER	15000
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1860
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3328	BOTTOM RECORDER DEPTH	3329
RECORDER NUMBER	91986	RECORDER NUMBER	47441

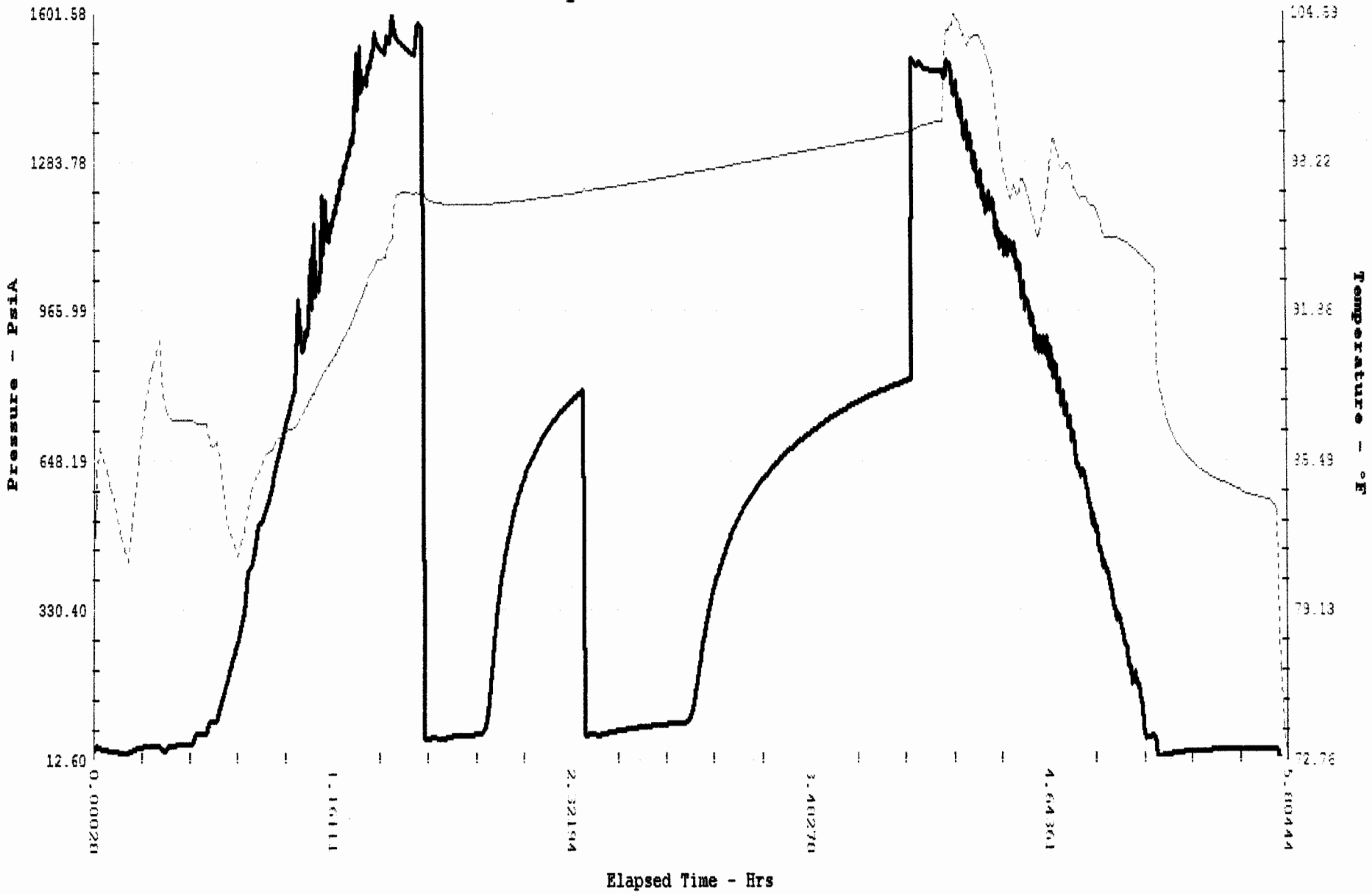
WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK DRILLING L.L.C.

DRILL PIPE LENGTH	3166	DRILL COLLAR LENGTH	120
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	48
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8
		CHLORIDES-PITS	7000
		CHLORIDES-DST	71,000

COMMENTS

Temperature / Pressure Data



F.G. HOLL COMPANY L.L.C. 7-21-12W 9-3-06 DST3 KANSAS CITY

Superior Testers Enterprises, Inc.

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

Date 9-4-06 Location 7-21-12 Elevation 1854 County Stafford

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

Charts Mailed to 9431 E Central Wichita KS 67206

Drilling Contractor Petromark Drilling Rig #2

Length Drill Pipe 3226 I.D. Drill Pipe 3.80 Tool Joint Size 4½ XH

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

Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 2½ XH

Top Packer Depth 3363 Bottom Packer Depth 3368 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3368 TO 3393 ANCHOR LENGTH 25 TOTAL DEPTH 3393 Hole Size 7 7/8

LEASE & WELL NO. Nolte "A" 1-7 FORMATION TESTED Kansas City TEST NO. 4

Mud Weight 9.1 Viscosity 60 Water Loss 12.8 Chlorides - Pits 10,000 D.S.T. 79,000

Maximum Temp 103 °F Initial Hydrostatic Pressure (A) 1620 P.S.I. Final Hydrostatic Pressure (H) 1537 P.S.I.

Tool Open I.F.P. from 10:07 A m to 10:13 A m 5 min

Tool Closed I.C.I.P. from 10:13 A m to 11:13 A m 60 min

Tool Open F.F.P. from 11:13 A m to 11:43 A m 30 min

Tool Closed F.C.I.P. from 11:43 A m to 12:43 A m 60 min

from [B]	81 P.S.I.	to [C]	91 P.S.I.
[D]	635 P.S.I.		
from [E]	91 P.S.I.	to [F]	124 P.S.I
[G]	597 P.S.I.		

Initial Blow Fair Blow Bottom Bucket in 4min

Final Blow good Blow Bottom Bucket in Less 1min Than weakend

Total Feet Recovered 165 Gravity of Oil ____ Corrected

60 Feet of Mud trace of gas	%Gas	%Oil	%Mud	%Water
60 Feet of Muddy water trace gas	%Gas	%Oil 50	%Mud 50	%Water
45 Feet of Mud cut water trace of gas	%Gas	%Oil 20	%Mud 80	%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. 9986 Clock No. etc Depth 3384 Cir. Sub — Sampler —

Bottom Recorder No. 4741 Clock No. 5463 Depth 3390 Insurance ____

Price of Job ____

Tool Operator DAVID Nichols

Approved By ____

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.

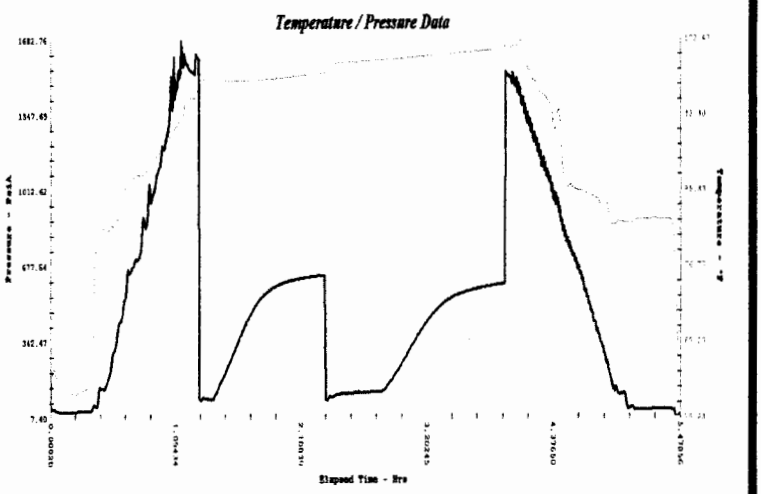
№ 14826

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND,KANSAS 67530



1	Initial Hydrostatic Pressure	1620
2	Initial Flow Pressure	81
3	Final Initial Flow Pressure	91
4	Initial Shut-In Pressure	635
5	Initial Final Flow Pressure	91
6	Final Flow Pressure	124
7	Final Shut-In Pressure	597
8	Final Hydrostatic Pressure	1537
	Maximum Temperature	103

GENERAL INFORMATION

COMPANY NAME	F.G HOLL COMPANY L.L.C		
TEST DATE	9/4/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12\	FORMATION TESTED	KANSAS CITY
STATE	KANSAS	DRILL STEM TEST NUMBER	4
COUNTY	STAFFORD	REPORT NUMBER	14826
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL	TESTING ENGINEER	DAVID NICHOLS

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3368	TOP PACKER DEPTH	3363
TEST INTERVAL (to)	3393	BOTTOM PACKER DEPTH	3368
ANCHOR LENGTH	25	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3393	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	10:07		TOOL OPEN (from)	11:13
INITIAL OPEN	TOOL OPEN (to)	10:13	*FINAL OPEN*	TOOL OPEN (to)	11:43
	DURATION (min.)	5		DURATION (min.)	30
	TOOL CLOSED (from)	10:13		TOOL CLOSED (from)	11:43
INITIAL SHUT-IN	TOOL CLOSED (to)	11:13	*FINAL SHUT-IN*	TOOL CLOSED (to)	12:43
	DURATION (min.)	60		DURATION (min.)	60

INITIAL FLOW FAIR BLOW BOTTOM OF BUCKET IN 4 MIN

FINAL FLOW GOOD BLOW BOTTOM OF BUCKET IN LESS 1 MIN THAN WEAKEND

RESISTIVITY AT DEGREES CHLORIDES 79000

Feet of Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 60	MUD WITH A TRACE OF GAS			100	
2) 60	MUDDY WATER			50	50
3) 45	MUD CUT WATER TRACE OF GAS			20	80
4)					
5)					

Company: F.G. HOLL COMPANY L.L.C Lease & Well No. NOLTE A 1-7 Test #: 4 Date: 9-4-06 SEC. 7 TWP. 21 RGE. 12

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	9/4/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12\	FORMATION TESTED	KANSAS CITY
STATE	KANSAS	DRILL STEM TEST NUMBER	4
COUNTY	STAFFORD	REPORT NUMBER	14826
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL	TESTING ENGINEER	DAVID NICHOLS

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3389	BOTTOM RECORDER DEPTH	3390
RECORDER NUMBER	91986	RECORDER NUMBER	5463

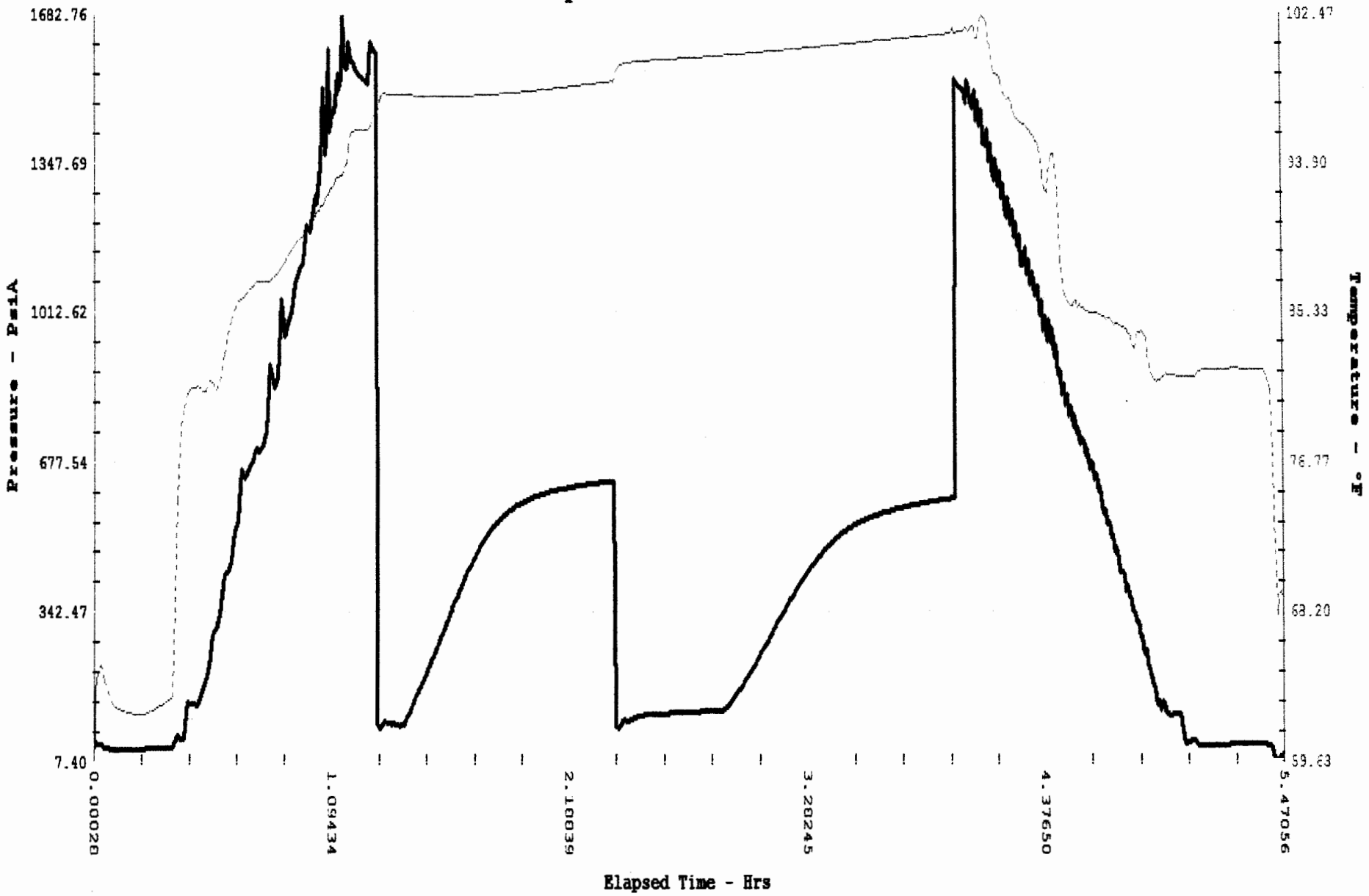
WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK DRILLING RIG#2

DRILL PIPE LENGTH	3226	DRILL COLLAR LENGTH	120
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	60
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	12.8
		CHLORIDES-PITS	10,000
		CHLORIDES-DST	79,000

COMMENTS

Temperature / Pressure Data



F.G. HOLL COMPANY L.L.C 7-21-12 NOLTE A 1-7 9-4-06 DST#4 KANSASCITY

Superior Testers Enterprises, Inc.

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

Date 9-5-06 Location 7-21-12 Elevation 1854 County Stafford
Company F.G. Holl company L.L.C Number of Copies 5
Charts Mailed to 9431 E central Wichita KS 672060
Drilling Contractor Petromark Drilling Rig #2
Length Drill Pipe 3249 I.D. Drill Pipe 3.80 Tool Joint Size 4½ XH
Length Weight Pipe — I.D. Weight Pipe — Tool Joint Size —
Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4½ XH
Top Packer Depth 3386 Bottom Packer Depth 3391 Number of Packers 2 Packer Size 6¾
TESTED FROM 3391 TO 3457 ANCHOR LENGTH 66 TOTAL DEPTH 3457 Hole Size 7⅞
LEASE & WELL NO. Nolte 'A' 1-7 FORMATION TESTED Kansas City TEST NO. 5
Mud Weight 9.1 Viscosity 60 Water Loss 12.8 Chlorides - Pits 10,000 D.S.T. —
Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1612 P.S.I. Final Hydrostatic Pressure (H) 1685 P.S.I.

Tool Open I.F.P. from 5:55 A m to 6:10 A m 15 min
Tool Closed I.C.I.P. from 6:10 A m to 6:40 A m 30 min
Tool Open F.F.P. from 6:40 A m to 6:55 A m 15 min
Tool Closed F.C.I.P. from 6:55 A m to 7:25 A m 30 min

from [B]	88 P.S.I.	to [C]	91 P.S.I.
[D]	121 P.S.I.		
from [E]	99 P.S.I.	to [F]	100 P.S.I.
[G]	109 P.S.I.		

Initial Blow very weak Surface Blow ½ in into water Died after 13min
Final Blow No Blow
Total Feet Recovered 10 Gravity of Oil — Corrected

10 Feet of	Mud	%Gas	%Oil	100 %Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water
— Feet of	—	%Gas	%Oil	%Mud	%Water

Remarks —

Extra Equipment - Jars — Safety Joint Yes Extra Packer — Straddle — Hook Wall —
Top Recorder No. 9198G Clock No. 6le Depth 3453 Cir. Sub — Sampler —
Bottom Recorder No. 4744 Clock No. 5463 Depth 3454 Insurance —

Price of Job —
Tool Operator DAVID Nichols
Approved By —

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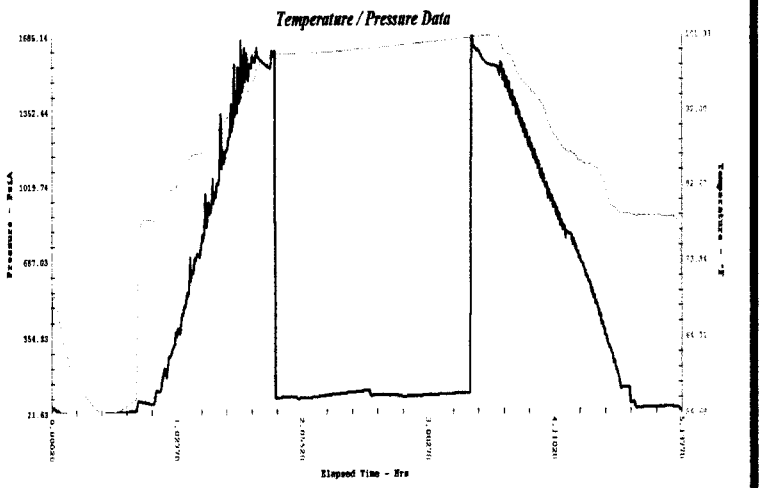
№ 14827

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902 — **DRILL STEM TEST REPORT** — GREAT BEND,KANSAS 67530



1	Initial Hydrostatic Pressure	1612
2	Initial Flow Pressure	88
3	Final Initial Flow Pressure	91
4	Initial Shut-In Pressure	121
5	Initial Final Flow Pressure	99
6	Final Flow Pressure	100
7	Final Shut-In Pressure	109
8	Final Hydrostatic Pressure	1685
	Maximum Temperature	101

GENERAL INFORMATION

COMPANY NAME	F.G. HOLL COMPANY L.L.C		
TEST DATE	9/5/06	LEASE AND WELL NUMBER	NOLTE A 1-7-
SECTION-TOWN-RANGE	41111	FORMATION TESTED	KANSASCITY
STATE	KANSAS	DRILL STEM TEST NUMBER	5
COUNTY	STAFFORD	REPORT NUMBER	14827
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1959
COMPANY REPRESENTATIVE	BILL	TESTING ENGINEER	DAVID NICHOLS

TOOL SETTING INFORMATION

		TOP PACKER DEPTH	3386
TEST INTERVAL (From)	3391	BOTTOM PACKER DEPTH	3391
TEST INTERVAL (to)	3457	NUMBER OF PACKERS	2
ANCHOR LENGTH	66	PACKER SIZE	6 3/4
TOTAL DEPTH (ft)	3457	HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	5:55	TOOL OPEN (from)	6:40
INITIAL OPEN	TOOL OPEN (to)	6:10	*FINAL OPEN* TOOL OPEN (to)	6:55
	DURATION (min.)	15	DURATION (min.)	15
	TOOL CLOSED (from)	6:10	TOOL CLOSED (from)	6:55
INITIAL SHUT-IN	TOOL CLOSED (to)	6:40	*FINAL SHUT-IN* TOOL CLOSED (to)	7:25
	DURATION (min.)	30	DURATION (min.)	30

INITIAL FLOW VERY WEAK SURFACE BLOW 1/2 IN INTO WATER DIED AFTER 13 MIN

FINAL FLOW NO BLOW

Feet of Recovery	RESISTIVITY AT DEGREES CHLORIDES — RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 10	MUD			100	
2)					
3)					
4)					
5)					

Company: F.G. HOLL COMPANY L.L.C Lease & Well No. NOLTE A 1-7 Test #: 5 Date: 9--5-06 SEC. 7 TWP. 21 RGE. 12

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	9/5/06	LEASE AND WELL NUMBER	NOLTE A 1-7-
SECTION-TOWN-RANGE	7/21/2012	FORMATION TESTED	KANSASCITY
STATE	KANSAS	DRILL STEM TEST NUMBER	5
COUNTY	STAFFORD	REPORT NUMBER	14827
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1959
COMPANY REPRESENTATIVE	BILL	TESTING ENGINEER	DAVID NICHOLS

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3453	BOTTOM RECORDER DEPTH	3454
RECORDER NUMBER	91986	RECORDER NUMBER	5463

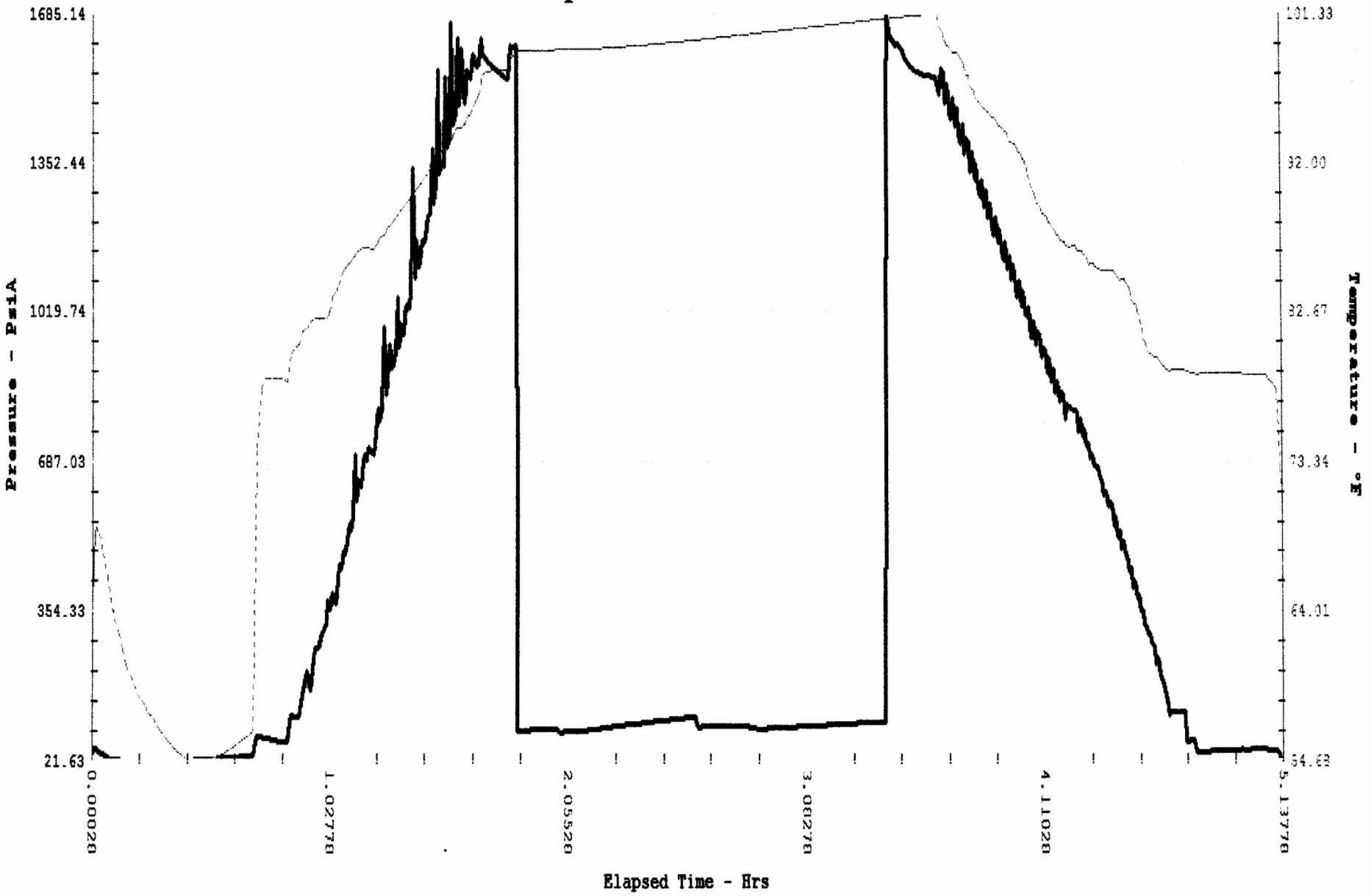
WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK RIG #2

DRILL PIPE LENGTH	3249	DRILL COLLAR LENGTH	120
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	60
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	12.8
		CHLORIDES-PITS	10,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



F.G. HOLL COMPANY L.L.C | 7-21-12 | NOLTE A 1-7 | 9-5-06 | DST#5 | KANSASCITY

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902 KE 6

Date 9-5-06 Location 7-21-12 W Elevation 1854 County Stafford

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

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

Drilling Contractor Petromark Drilling L.L.C. Rig 2

Length Drill Pipe 3316 I.D. Drill Pipe 3.80 Tool Joint Size 4½ XH

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

Length Drill Collars ~~162~~ 120 I.D. Drill Collars 2.25 Tool Joint Size 4½ XH

Top Packer Depth 3453 Bottom Packer Depth 3458 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3453 TO 3487 ANCHOR LENGTH 29 TOTAL DEPTH 3487 Hole Size 7 7/8

LEASE & WELL NO. Nolte A 1-7 FORMATION TESTED Kansas City L TEST NO. 6

Mud Weight 9.1 Viscosity 54 Water Loss 8.8 Chlorides - Pits 19000 D.S.T. ____

Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1664 P.S.I. Final Hydrostatic Pressure (H) 1650 P.S.I.

Tool Open I.F.P. from 7:33 m to 7:48 m 15 min

Tool Closed I.C.I.P. from 7:48 m to 8:18 m 30 min

Tool Open F.F.P. from 8:18 m to 8:33 m 15 min

Tool Closed F.C.I.P. from 8:33 m to 9:03 m 30 min

from [B]	66 P.S.I.	to [C]	69 P.S.I.
[D]	731 P.S.I.		
from [E]	63 P.S.I.	to [F]	77 P.S.I.
[G]	160 P.S.I.		

Initial Blow very weak Blow into Bucket. Blow Died after 5mn

Final Blow very weak Blow into Bucket. Blow Died after 3mn

Total Feet Recovered ____ Gravity of Oil ____ Corrected

10 Feet of Mud	%Gas	%Oil	100 %Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water
____ Feet of	%Gas	%Oil	%Mud	%Water

Remarks ____

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

Top Recorder No. 19886 Clock No. elc Depth 3486 Cir. Sub ____ Sampler —

Bottom Recorder No. 47441 Clock No. 5463 Depth 3487 Insurance —

Price of Job ____

Tool Operator Dave Goldsmith

Approved By ____

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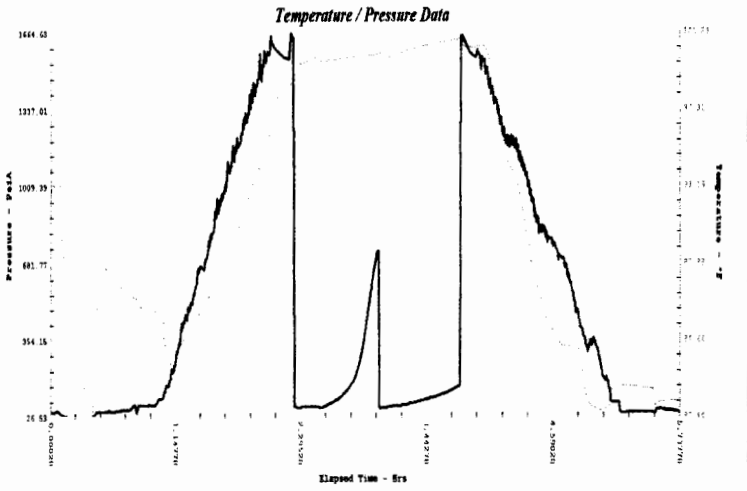
№ 14828

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902 — **DRILL STEM TEST REPORT** — GREAT BEND,KANSAS 67530



1	Initial Hydrostatic Pressure	1654
2	Initial Flow Pressure	66
3	Final Initial Flow Pressure	69
4	Initial Shut-In Pressure	731
5	Initial Final Flow Pressure	63
6	Final Flow Pressure	77
7	Final Shut-In Pressure	160
8	Final Hydrostatic Pressure	1650
	Maximum Temperature	101

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.		
TEST DATE	9/5/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	KANSAS CITY L
STATE	KANSAS	DRILL STEM TEST NUMBER	6
COUNTY	STAFFORD	REPORT NUMBER	14828
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3453	TOP PACKER DEPTH	3453
TEST INTERVAL (to)	3487	BOTTOM PACKER DEPTH	3458
ANCHOR LENGTH	29	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3487	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	7:33		TOOL OPEN (from)	8:18
INITIAL OPEN	TOOL OPEN (to)	7:48	*FINAL OPEN*	TOOL OPEN (to)	8:33
	DURATION (min.)	15		DURATION (min.)	15
	TOOL CLOSED (from)	7:48		TOOL CLOSED (from)	8:33
INITIAL SHUT-IN	TOOL CLOSED (to)	8:18	*FINAL SHUT-IN*	TOOL CLOSED (to)	9:03
	DURATION (min.)	30		DURATION (min.)	30

INITIAL FLOW VERY WEAK BLOW INTO BUCKET. BLOW DIED AFTER 5MN.

FINAL FLOW VERY WEAK BLOW INTO BUCKET. BLOW DIED AFTER 3MN.

Feet of Recovery	RESISTIVITY AT DEGREES CHLORIDES — RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 10	MUD			100	
2)					
3)					
4)					
5)					

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. NOLTE A 1-7 Test #: 6 Date: 9-5-06 SEC. 7 TWP. 21 RGE. 12W

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	9/5/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	KANSAS CITY L
STATE	KANSAS	DRILL STEM TEST NUMBER	6
COUNTY	STAFFORD	REPORT NUMBER	14828
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23		GREAT BEND
TOP RECORDER DEPTH	3486	BOTTOM RECORDER DEPTH	3487
RECORDER NUMBER	91986	RECORDER NUMBER	47441

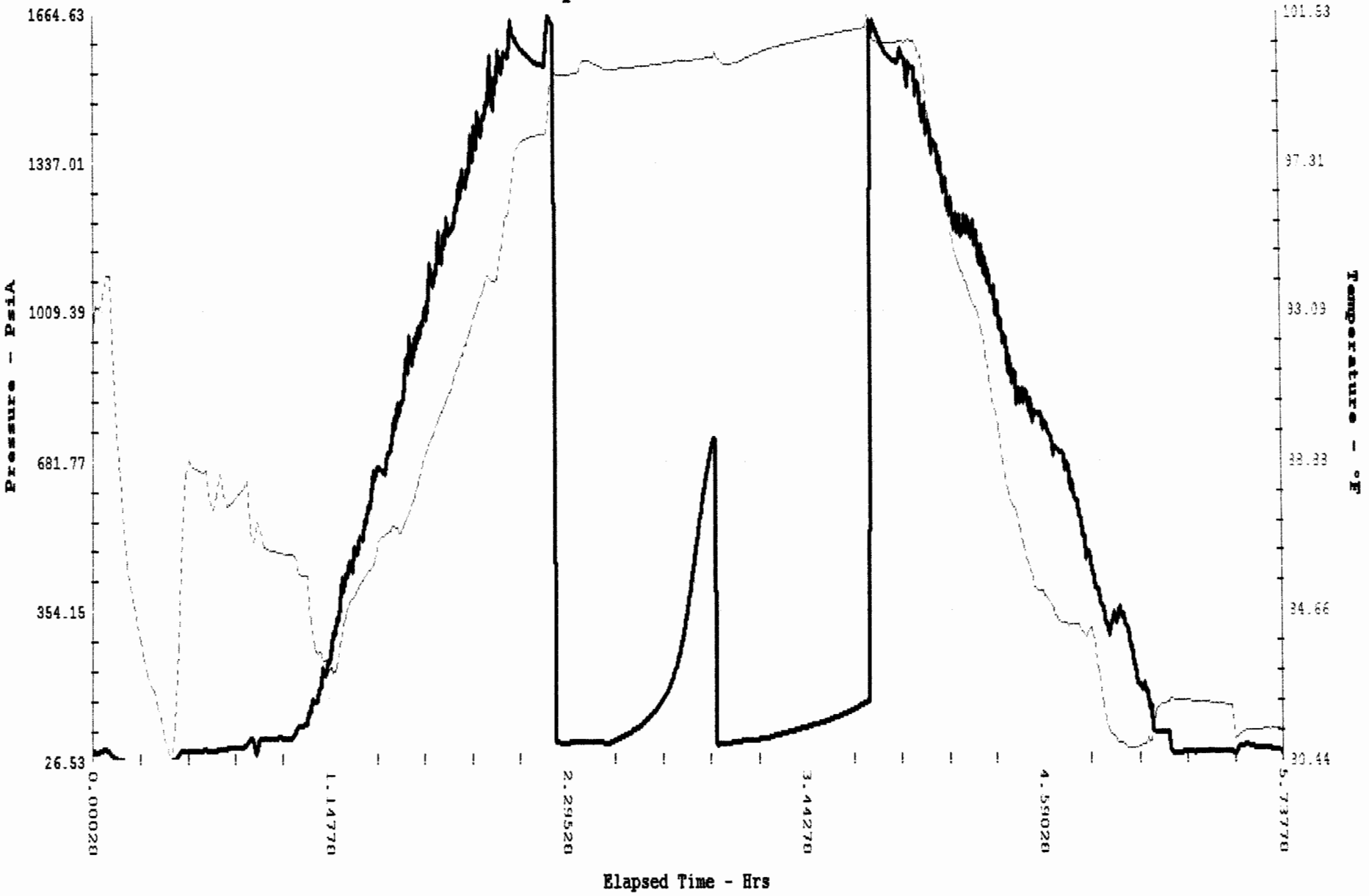
WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK DRILLING L.L.C.

DRILL PIPE LENGTH	3316	DRILL COLLAR LENGTH	120
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	54
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8.8
		CHLORIDES-PITS	10,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



F.G.HOLL COMPANY L.L.C. 7-21-12W NOLTE A 1-7 9-5-06 DST6 KANSAS CITY L

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902 K 5

Date 4-5-06 Location 7-21-12w Elevation 1854 County Stafford

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

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

Drilling Contractor Petromack Drilling L.L.C.

Length Drill Pipe 3327 I.D. Drill Pipe 3.80 Tool Joint Size 4½XH

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

Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4½ XH

Top Packer Depth 3464 Bottom Packer Depth 3469 Number of Packers 2 Packer Size 6¾

TESTED FROM 3464 TO 3514 ANCHOR LENGTH 45 TOTAL DEPTH 3514 Hole Size 7⅞

LEASE & WELL NO. Nolte A 1-7 FORMATION TESTED Arbuckle TEST NO. 7

Mud Weight 9.1 Viscosity 52 Water Loss 10.8 Chlorides - Pits 11,000 D.S.T. ———

Maximum Temp. 105 °F Initial Hydrostatic Pressure (A) 1650 P.S.I. Final Hydrostatic Pressure (H) 1608 P.S.I.

Tool Open I.F.P. from 10:35 m to 11:30 m 55 min

Tool Closed I.C.I.P. from 11:30 m to 12:30 m 60 min

Tool Open F.F.P. from 12:30 m to 1:15 m 45 min

Tool Closed F.C.I.P. from 1:15 m to 2:45 m 90 min

from [B]	91 P.S.I.	to [C]	121 P.S.I.
[D]	377 P.S.I.		
from [E]	115 P.S.I.	to [F]	132 P.S.I
[G]	371 P.S.I.		

Initial Blow Weak Blow into Bucket. Blow Died at 11in in 25min Built to 11in intowater 35in

Final Blow Weak Blow into Bucket. Blow Died at 3in in 15min Built to 3in into water in 15 min

Total Feet Recovered 90 Gravity of Oil ——— Corrected

30 Feet of	gas & oil cut Mud	25 %Gas	35 %Oil	40 %Mud	——— %Water
60 Feet of	oil & Mud cut gas	65 %Gas	10 %Oil	25 %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 ~~Good~~ good Show of oil Between tools

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

Top Recorder No. 91986 Clock No. cle Depth 3513 Cir. Sub — Sampler —

Bottom Recorder No. 47441 Clock No. 5463 Depth 3514 Insurance ———

Price of Job ———

Tool Operator Dave Goldsmith

Approved By ———

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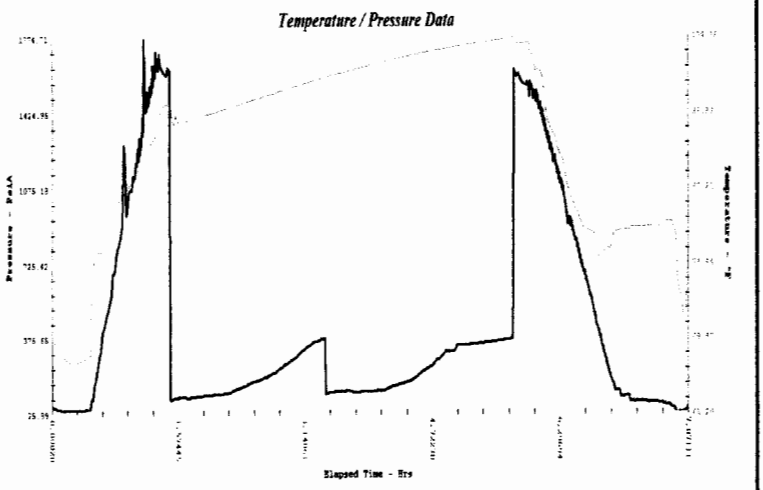
No 14829

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND,KANSAS 67530



1	Initial Hydrostatic Pressure	1650
2	Initial Flow Pressure	91
3	Final Initial Flow Pressure	121
4	Initial Shut-In Pressure	377
5	Initial Final Flow Pressure	115
6	Final Flow Pressure	132
7	Final Shut-In Pressure	371
8	Final Hydrostatic Pressure	1608
	Maximum Temperature	105

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.		
TEST DATE	9/6/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	ARBUCKLE
STATE	KANSAS	DRILL STEM TEST NUMBER	7
COUNTY	STAFFORD	REPORT NUMBER	14829
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3464	TOP PACKER DEPTH	3464
TEST INTERVAL (to)	3514	BOTTOM PACKER DEPTH	3469
ANCHOR LENGTH	45	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3514	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	10:35		TOOL OPEN (from)	12:30
INITIAL OPEN	TOOL OPEN (to)	11:30	*FINAL OPEN*	TOOL OPEN (to)	1:15
	DURATION (min.)	55		DURATION (min.)	45
	TOOL CLOSED (from)	11:30		TOOL CLOSED (from)	1:15
INITIAL SHUT-IN	TOOL CLOSED (to)	12:30	*FINAL SHUT-IN*	TOOL CLOSED (to)	2:45
	DURATION (min.)	60		DURATION (min.)	90

INITIAL FLOW WEAK BLOW INTO BUCKET. BLOW BUILT TO 11IN INTO BUCKET OF WATER IN 25MIN

FINAL FLOW WEAK BLOW INTO BUCKET. BLOW BUILT TO 3IN INTO BUCKET OF WATER IN 15MIN

Feet of Recovery	RESISTIVITY AT DEGREES CHLORIDES RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 30	GAS AND OIL CUT MUD	25	35	40	
2) 60	OIL AND MUD CUT GAS	65	10	25	
3)					
4)					
5)					

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. NOLTE A 1-7 Test #: 7 Date: 9-6-06 SEC. 7 TWP. 21 RGE. 12W

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	9/6/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	ARBUCKLE
STATE	KANSAS	DRILL STEM TEST NUMBER	7
COUNTY	STAFFORD	REPORT NUMBER	14829
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

EXTRA EQUIPMENT

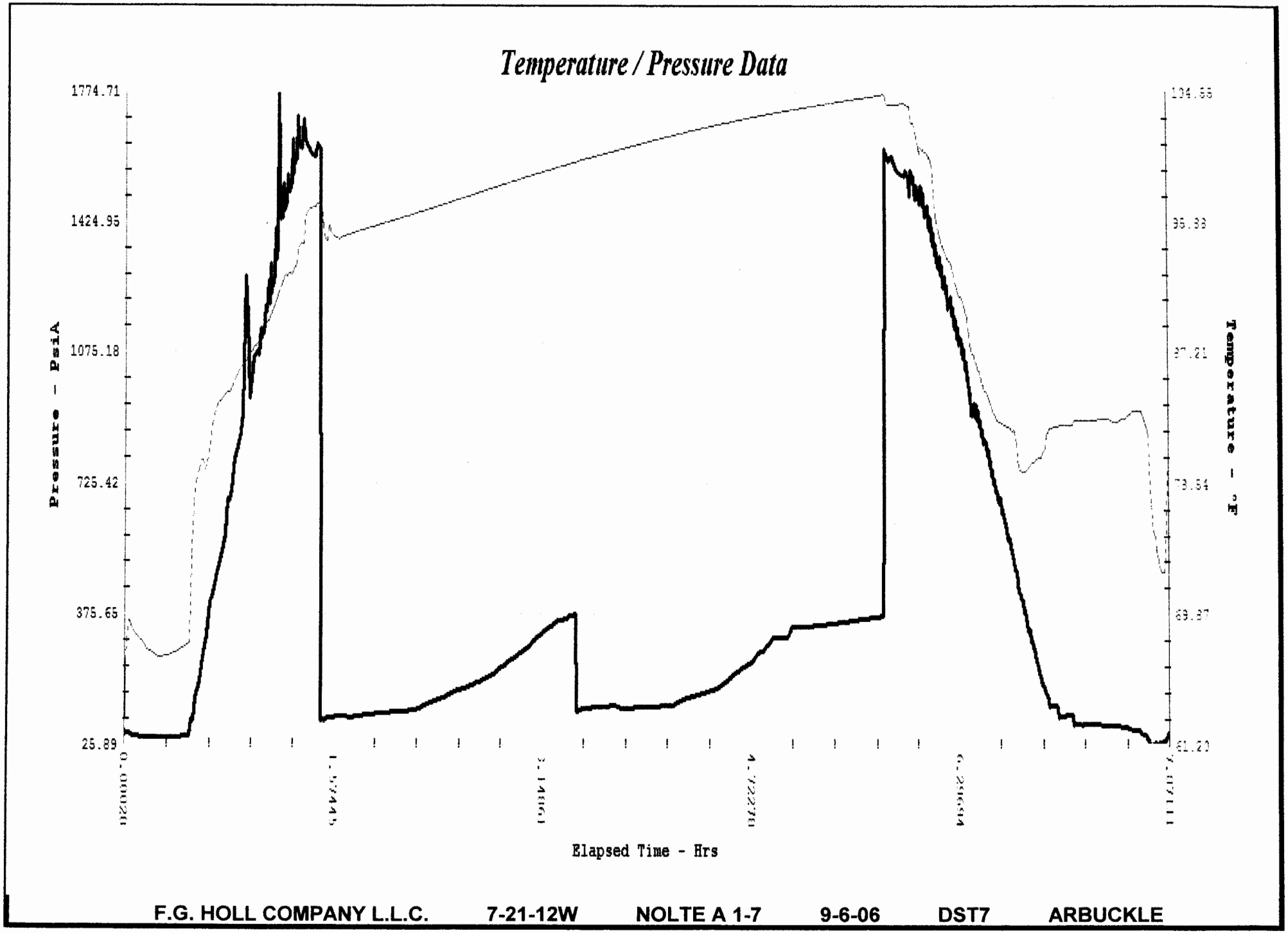
		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3513	BOTTOM RECORDER DEPTH	3514
RECORDER NUMBER	91986	RECORDER NUMBER	47441

WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK DRILLING L.L.C.

DRILL PIPE LENGTH	3327	DRILL COLLAR LENGTH	120
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	52
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	10.8
		CHLORIDES-PITS	11,000
		CHLORIDES-DST	

COMMENTS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1424.95
1075.18
725.42
375.65
25.89
Pressure - PsiA
104.55
86.88
67.21
73.54
69.87
61.20
Temperature - F
Elapsed Time - Hrs
F.G. HOLL COMPANY L.L.C.
7-21-12W
NOLTE A 1-7
9-6-06
DST7
ARBUCKLE

Superior Testers Enterprises, Inc.

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

Date 9-7-06 Location 7-21-12w Elevation 1854 County Stafford

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

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

Drilling Contractor PetromarK Drilling L.L.C.

Length Drill Pipe 3372 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

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

Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3509 Bottom Packer Depth 3514 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3509 TO 3524 ANCHOR LENGTH 10 TOTAL DEPTH 3524 Hole Size 7 7/8

LEASE & WELL NO. Nolte A 1-7 FORMATION TESTED Arbuckle TEST NO. 8

Mud Weight 9.1 Viscosity 52 Water Loss 10.8 Chlorides - Pits 11,000 D.S.T. —

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 1613 P.S.I. Final Hydrostatic Pressure (H) 1560 P.S.I.

Tool Open I.F.P. from 1:55 a m to 2:10 a m 15 min

Tool Closed I.C.I.P. from 2:10 a m to 2:40 a m 30 min

Tool Open F.F.P. from 2:40 a m to 3:25 a m 45 min

Tool Closed F.C.I.P. from 3:25 m to 4:55 m 90 min

from [B]	80 P.S.I.	to [C]	99 P.S.I.
[D]	1035 P.S.I.		
from [E]	91 P.S.I.	to [F]	128 P.S.I.
[G]	1027 P.S.I.		

Initial Blow Fair Blow Built to the Bottom of Bucket in 15 min

Final Blow Fair Blow Built to the Bottom of Bucket in 7 min

Total Feet Recovered 130 Gravity of Oil ____ Corrected

[redacted] Feet of [redacted]	%Gas	%Oil	%Mud	%Water
10 Feet of oil	%Gas 100	%Oil	%Mud	%Water
60 Feet of gas & oil cut Mud	15 %Gas	30 %Oil	55 %Mud	%Water
60 Feet of oil & gas cut Mud	30 %Gas	20 %Oil	50 %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. 41986 Clock No. Ele Depth 3523 Cir. Sub — Sampler —

Bottom Recorder No. 47441 Clock No. 5463 Depth 3524 Insurance —

Price of Job ____

Tool Operator Dave Goldsmith

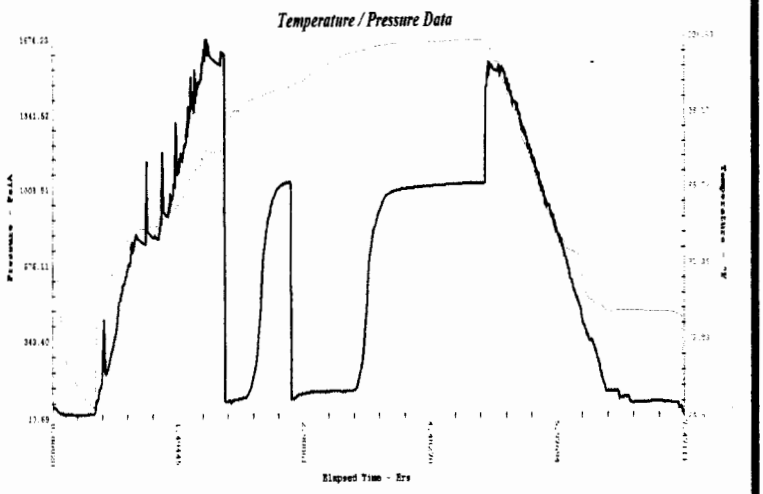
Approved By ____

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.

№ 14830

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902 — **DRILL STEM TEST REPORT** — GREAT BEND,KANSAS 67530



1	Initial Hydrostatic Pressure	1613
2	Initial Flow Pressure	80
3	Final Initial Flow Pressure	99
4	Initial Shut-In Pressure	1035
5	Initial Final Flow Pressure	91
6	Final Flow Pressure	128
7	Final Shut-In Pressure	1027
8	Final Hydrostatic Pressure	1560
	Maximum Temperature	107

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.		
TEST DATE	9/7/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	ARBUCKEL
STATE	KANSAS	DRILL STEM TEST NUMBER	8
COUNTY	STAFFORD	REPORT NUMBER	14830
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

TOOL SETTING INFORMATION

		TOP PACKER DEPTH	3509
TEST INTERVAL (From)	3509	BOTTOM PACKER DEPTH	3514
TEST INTERVAL (to)	3524	NUMBER OF PACKERS	2
ANCHOR LENGTH	10	PACKER SIZE	6 3/4
TOTAL DEPTH (ft)	3524	HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	1:55		TOOL OPEN (from)	2:40
INITIAL OPEN	TOOL OPEN (to)	2:10	*FINAL OPEN*	TOOL OPEN (to)	3:25
	DURATION (min.)	15		DURATION (min.)	45
	TOOL CLOSED (from)	2:10		TOOL CLOSED (from)	3:25
INITIAL SHUT-IN	TOOL CLOSED (to)	2:40	*FINAL SHUT-IN*	TOOL CLOSED (to)	4:55
	DURATION (min.)	30		DURATION (min.)	90

INITIAL FLOW FAIR BLOW BUILT TO THE BOTTOM OF BUCKET IN 15 MIN

FINAL FLOW FAIR BLOW BUILT TO THE BOTTOM OF BUCKET IN 7 MIN

	Feet of Recovery	RESISTIVITY AT DEGREES CHLORIDES — RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	10	OIL		100		
2)	60	GAS OIL CUT MUD	15	30	55	
3)	60	OIL AND GAS CUTMUD	30	20	50	
4)						
5)						

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. NOLTE A 1-7 Test #: 8 Date: 9-7-06 SEC. 7 TWP. 21 RGE. 12W

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	9/7/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	ARBUCKEL
STATE	KANSAS	DRILL STEM TEST NUMBER	8
COUNTY	STAFFORD	REPORT NUMBER	14830
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3523	BOTTOM RECORDER DEPTH	3524
RECORDER NUMBER	91986	RECORDER NUMBER	47441

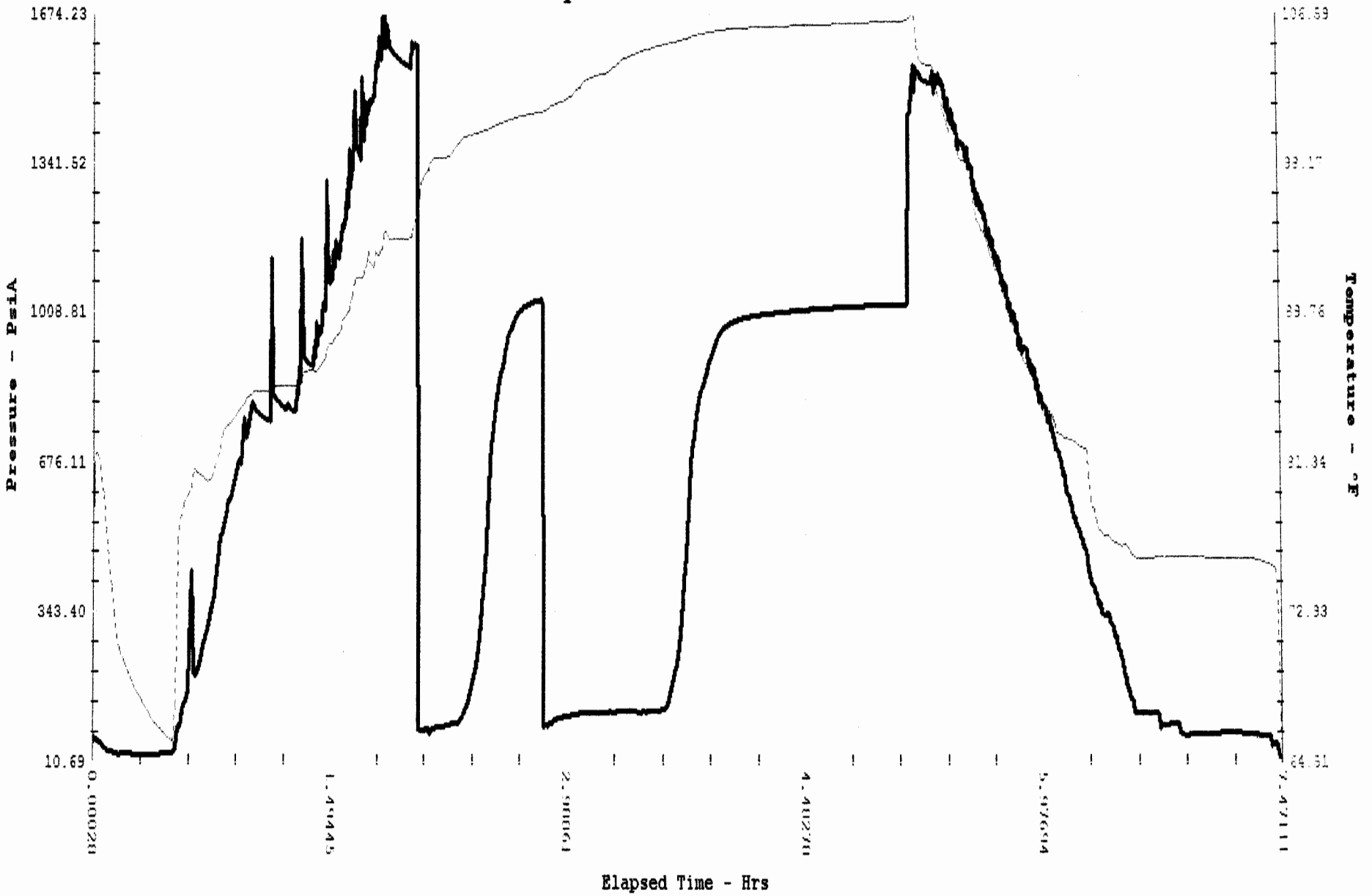
WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK DRILLING L.L.C.

DRILL PIPE LENGTH	3372	DRILL COLLAR LENGTH	120
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.1
WEIGHT PIPE I.D.	2.25	VISCOSITY	52
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	10.8
		CHLORIDES-PITS	11,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



F.G.HOLL COMPANY L.L.C. 7-21-12W NOLTE A 1-7 9-7-06 DST8 ARBUCKEL

Superior Testers Enterprises, Inc.

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

Date 9-7-06 Location 7-21-12W Elevation 1854 County Stafford
Company F.G. Holl Company L.L.C. Number of Copies 5
Charts Mailed to 9431 E Central Suite 100 Wichita KS 67206
Drilling Contractor Petromark Drilling L.L.C. Rig #2
Length Drill Pipe 3129 I.D. Drill Pipe 3.80 Tool Joint Size 4½ XH
Length Weight Pipe — I.D. Weight Pipe — Tool Joint Size —
Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4½XH
Top Packer Depth — Bottom Packer Depth 3524 Number of Packers 1 Packer Size 6¾
TESTED FROM 3524 TO 3532 ANCHOR LENGTH 8 TOTAL DEPTH 3532 Hole Size 7⅞
LEASE & WELL NO. Nolte A 1-7 FORMATION TESTED Arbuckel TEST NO. #9
Mud Weight 8.9 Viscosity 46 Water Loss 8.4 Chlorides - Pits 9,300 D.S.T.
Maximum Temp. 103 °F Initial Hydrostatic Pressure (A) 1565 P.S.I. Final Hydrostatic Pressure (H) 1558 P.S.I.

Tool Open I.F.P. from 3:03 p m to 3:18 p m 15 min
Tool Closed I.C.I.P. from 3:18 p m to 3:48 m 30 min
Tool Open F.F.P. from 3:48 m to 4:33 m 45 min
Tool Closed F.C.I.P. from 4:33 m to 6:03 m 90 min

from [B] 62 P.S.I. to [C] 574 P.S.I.
[D] 425 P.S.I.
from [E] 80 P.S.I. to [F] 95 P.S.I.
[G] 1036 P.S.I.

Initial Blow weak Building Blow. Built to 3in in 10min
Final Blow Fair Blow built to bottom of bucket in 15 min
Total Feet Recovered 45 Gravity of Oil Corrected

45 Feet of Heavy oil cut gas cut Mud 35 %Gas 30 %Oil 35 %Mud %Water

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

Remarks

Extra Equipment - Jars — Safety Joint Yes Extra Packer — Straddle — Hook Wall —
Top Recorder No. 91986 Clock No. Ele. Depth 3531 Cir. Sub — Sampler —
Bottom Recorder No. 47441 Clock No. 5463 Depth 3532 Insurance —

Price of Job
Tool Operator Dave Goldsmith
Approved By

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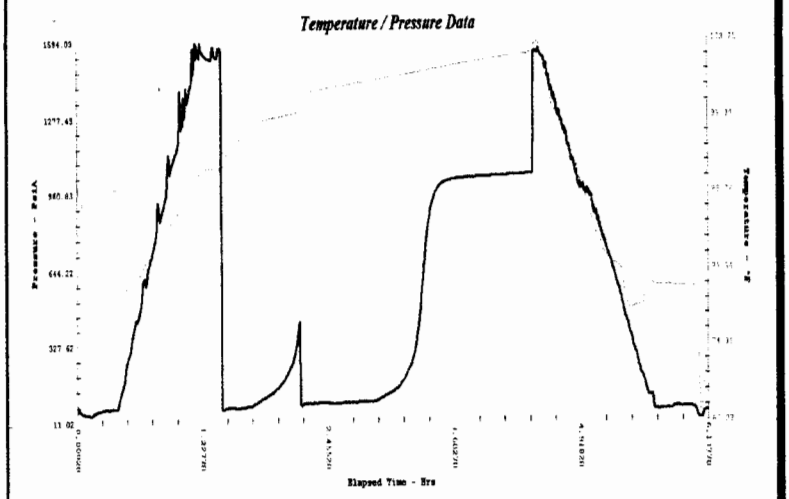
№ 14831

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND,KANSAS 67530



1	Initial Hydrostatic Pressure	1565
2	Initial Flow Pressure	62
3	Final Initial Flow Pressure	74
4	Initial Shut-In Pressure	425
5	Initial Final Flow Pressure	80
6	Final Flow Pressure	95
7	Final Shut-In Pressure	1036
8	Final Hydrostatic Pressure	1558
	Maximum Temperature	103

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.		
TEST DATE	9/6/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	ARBUCKLE
STATE	KANSAS	DRILL STEM TEST NUMBER	9
COUNTY	STAFFORD	REPORT NUMBER	14831
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLDSMITH

TOOL SETTING INFORMATION

		TOP PACKER DEPTH	
TEST INTERVAL (From)	3524	BOTTOM PACKER DEPTH	3524
TEST INTERVAL (to)	3532	NUMBER OF PACKERS	1
ANCHOR LENGTH	8	PACKER SIZE	6 3/4
TOTAL DEPTH (ft)	3532	HOLE SIZE	7 7/8

FLOW TIMES

	TOOL OPEN (from)	3:03		TOOL OPEN (from)	3:48
INITIAL OPEN	TOOL OPEN (to)	3:18	*FINAL OPEN*	TOOL OPEN (to)	4:33
	DURATION (min.)	15		DURATION (min.)	45
	TOOL CLOSED (from)	3:18		TOOL CLOSED (from)	4:33
INITIAL SHUT-IN	TOOL CLOSED (to)	3:48	*FINAL SHUT-IN*	TOOL CLOSED (to)	6:03
	DURATION (min.)	30		DURATION (min.)	90

INITIAL FLOW WEAK BUILDING BLOW. BUILT TO 3IN IN 10MN

FINAL FLOW FAIR BLOW BUILT TO BOTTOM OF BUCKET IN 15MN.

	Feet of Recovery	RESISTIVITY AT DEGREES CHLORIDES RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	45	HEAVY OIL CUT AND GAS CUT MUD	35	30	35	
2)						
3)						
4)						
5)						

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. NOLTE A 1-7 Test #: 9 Date: 9-7-06 SEC. 7 TWP. 21 RGE. 12W

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	9/6/06	LEASE AND WELL NUMBER	NOLTE A 1-7
SECTION-TOWN-RANGE	7-21-12W	FORMATION TESTED	ARBUCKLE
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COUNTY	STAFFORD	REPORT NUMBER	14831
ELEVATION GROUND LEVEL	1854	ELEVATION KELLY BUSHINGS	1859
COMPANY REPRESENTATIVE	BILL REE	TESTING ENGINEER	DAVE GOLCSMITH

EXTRA EQUIPMENT

		EXTRA PACKER (3RD)	NO
JARS	NO	EXTRA PACKER (4TH)	NO
SAFETY JOINT	YES	STRADDLE	NO
ELECTRONIC RECORDER	YES	HOOK WALL	NO
CIRCULATING SUB	NO	SAMPLER	NO
	23 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3531	BOTTOM RECORDER DEPTH	3532
RECORDER NUMBER	91986	RECORDER NUMBER	47441

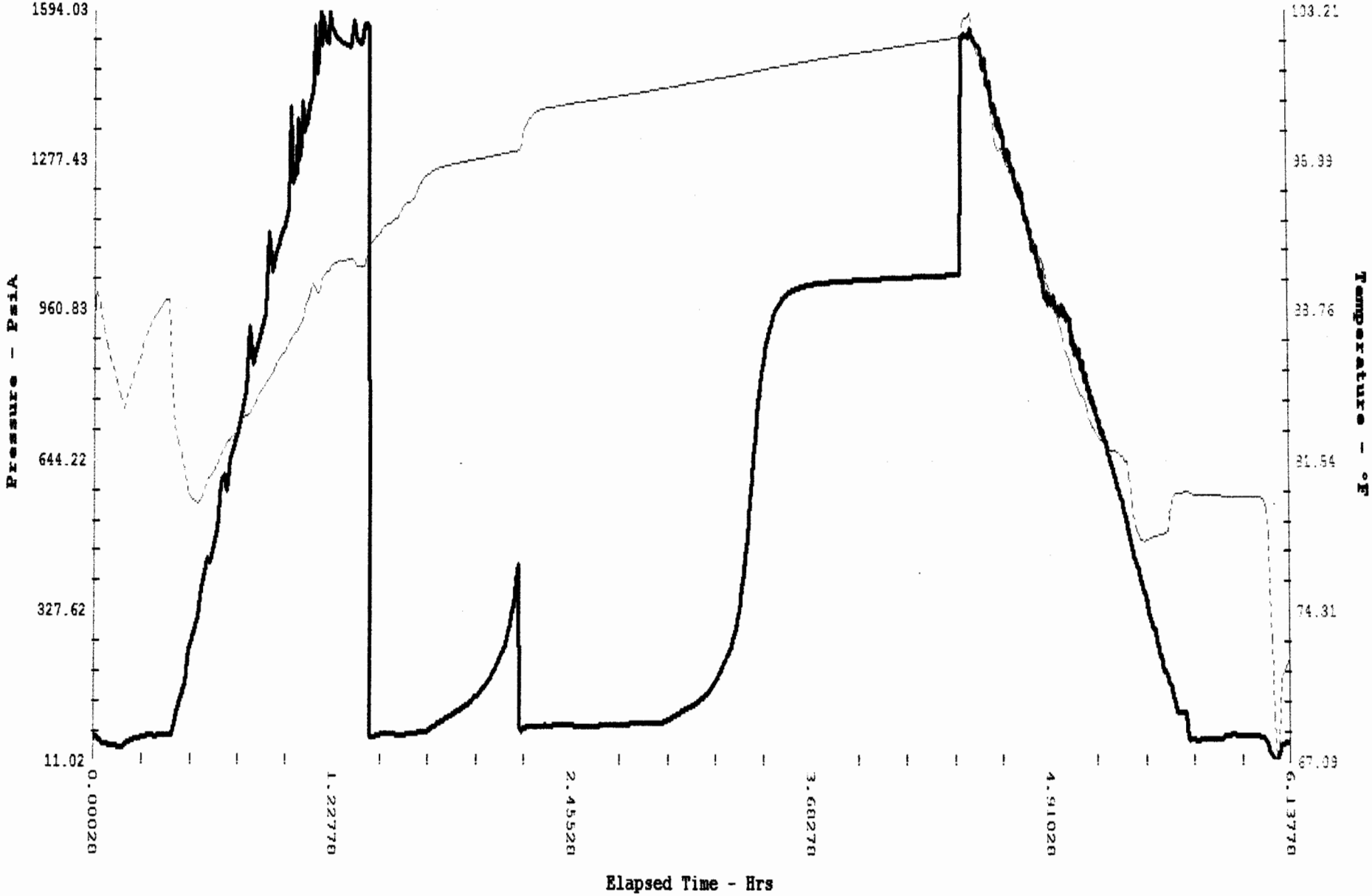
WELL INFORMATION

DRILLING CONTRACTOR ..... PETROMARK DRILLING L.L.C.

DRILL PIPE LENGTH	3129	DRILL COLLAR LENGTH	120
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	8.9
WEIGHT PIPE I.D.	2.25	VISCOSITY	46
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8.4
		CHLORIDES-PITS	9,300
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



F.G.HOLL COMPANY L.L.C. 7-21-12W NOLTE A 1-7 9-7-06 TEST9 ARBUCKLE