

FG Holl Co.
Mull 1-17

17-21s-15w
15-145-21574

Superior Testers Enterprises L.L.C.

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

(800) 792-6902

Company F.G. HOLL COMPANY L.L.C.
Address 9431 E CENTRAL STE 100
Lease & # MULL 1-17 Sec. 17 Twp 21 Rng 15W
Date 6-7-2008 County PANNEE Elevation 1968 G.L. 1976 K.B.
Drilling Contractor Duke Drilling Rig #8
Drill Pipe Length 1817 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 X 1 1/2
Drill Collar Length NONE I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2 X 1 1/2
Mud Weight 8.9 Viscosity 40 Filtrate 8.4 Chlorides-Pits 18500 DST X
Top Packer Depth 1839 Bottom Packer Depth 1844 Number of Packers 2
Tested From 1844 to 1925 Total Depth 1925 Anchor Length 81
Test # 1 Formation Tested Heppington Rider Hole Size 7 7/8
Initial Blow WEAK SURFACE BLOW THROUGH OUT

Blow back on the 1st Shut-in NO
Final Blow WEAK SURFACE BLOW THROUGH OUT
Blow back on the 2nd Shut-in NO
Initial Hydrostatic 970 P.S.I. Final Hydrostatic 964 P.S.I. Maximum Temp. 88 F

Initial Opening	<u>70</u> P.S.I. to <u>70</u> P.S.I.	from <u>5:45 A</u> m to <u>6:00 A</u> m <u>15</u> minutes
Initial Shut-in	<u>162</u> P.S.I.	from <u>6:00 A</u> m to <u>6:30 A</u> m <u>30</u> minutes
Final Opening	<u>70</u> P.S.I. to <u>73</u> P.S.I.	from <u>6:30 A</u> m to <u>6:45 A</u> m <u>15</u> minutes
Final Shut-in	<u>148</u> P.S.I.	from <u>6:45 A</u> m to <u>7:15 A</u> m <u>30</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>20</u>	<u>Drilling mud</u>				

Total Feet Recovered 20 Recovery Chlorides NONE Rw. NONE ohms @ NONE Degrees
Gravity of oil NONE Corrected Gas to Surface in 0 minutes into the NONE
Max. Gas Gauged NONE MCF/day See Gas Flow Report Was a gas sample taken NO
Comments

Extra Equipment-Jars YES Safety Joint YES Circulating Sub _____ Straddle _____
Electronic Recorder No. 4023 Depth 1921 Extra Packer (3rd) _____ Hook Wall _____
Bottom Recorder No. 4050 Depth 1922 Extra Packer (4th) _____ Sampler _____
Tool Operator Barry Williams Approved By _____

Ticket No. 15285

SUPERIOR TESTERS ENTERPRISES L.L.C.

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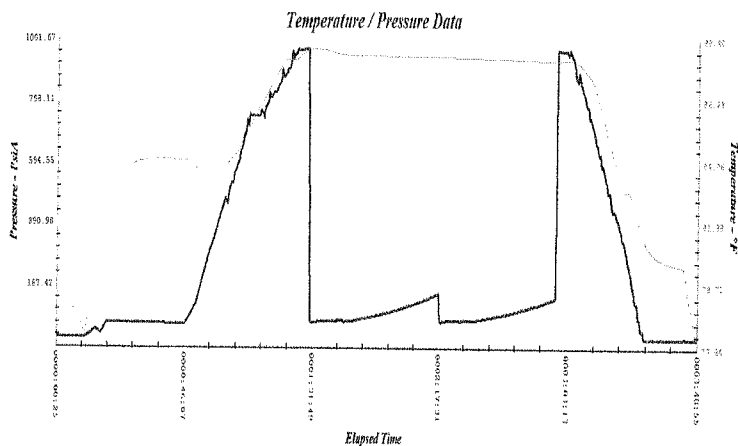
DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company:
RGE. 15W

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

Lease & Well No. MULL 1-17 Test #. / Date: 6-7-08 SEC. 17 TWP. 21



1	Initial Hydrostatic Pressure	970
2	Initial Flow Pressure	70
3	Final Initial Flow Pressure	70
4	Initial Shut-In Pressure	162
5	Initial Final Flow Pressure	70
6	Final Flow Pressure	73
7	Final Shut-In Pressure	148
8	Final Hydrostatic Pressure	964

Maximum Temperature 88

GENERAL INFORMATION

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

TEST DATE 6/7/08

LEASE AND WELL NUMBER MULL 1-17

SECTION-TOWN-RANGE 17-21-15W-

FORMATION TESTED HERRINGTON KRIDER

STATE KANSAS

DRILL STEM TEST NUMBER 1

COUNTY PAWNEE

REPORT NUMBER 15285

ELEVATION GROUND LEVEL 1968

ELEVATION KELLY BUSHINGS 1976

COMPANY REPRESENTATIVE RENEE

TESTING ENGINEER RANDY

TOOL SETTING INFORMATION

TEST INTERVAL (From) 1844

TOP PACKER DEPTH 1839

TEST INTERVAL (to) 1925

BOTTOM PACKER DEPTH 1844

ANCHOR LENGTH 81

NUMBER OF PACKERS 2

TOTAL DEPTH (ft) 1925

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 5:45

FINAL OPEN

TOOL OPEN (from) 6:30

TOOL OPEN (to) 6:00

TOOL OPEN (to) 6:45

DURATION (min.) 15

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 6:00

FINAL SHUT-IN

TOOL CLOSED (from) 6:45

TOOL CLOSED (to) 6:30

TOOL CLOSED (to) 7:15

DURATION (min.) 30

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW THROUGH OUT

FINAL FLOW

WEAK SURFACE BLOW THROUGH OUT

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	MULL 1-17
TEST DATE	6/7/08	FORMATION TESTED	HERRINGTON KRIDER
SECTION-TOWN-RANGE	17-21-15W-	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	15285
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1976
ELEVATION GROUND LEVEL	1968	TESTING ENGINEER	RANDY
COMPANY REPRESENTATIVE	RENEE		

EXTRA EQUIPMENT

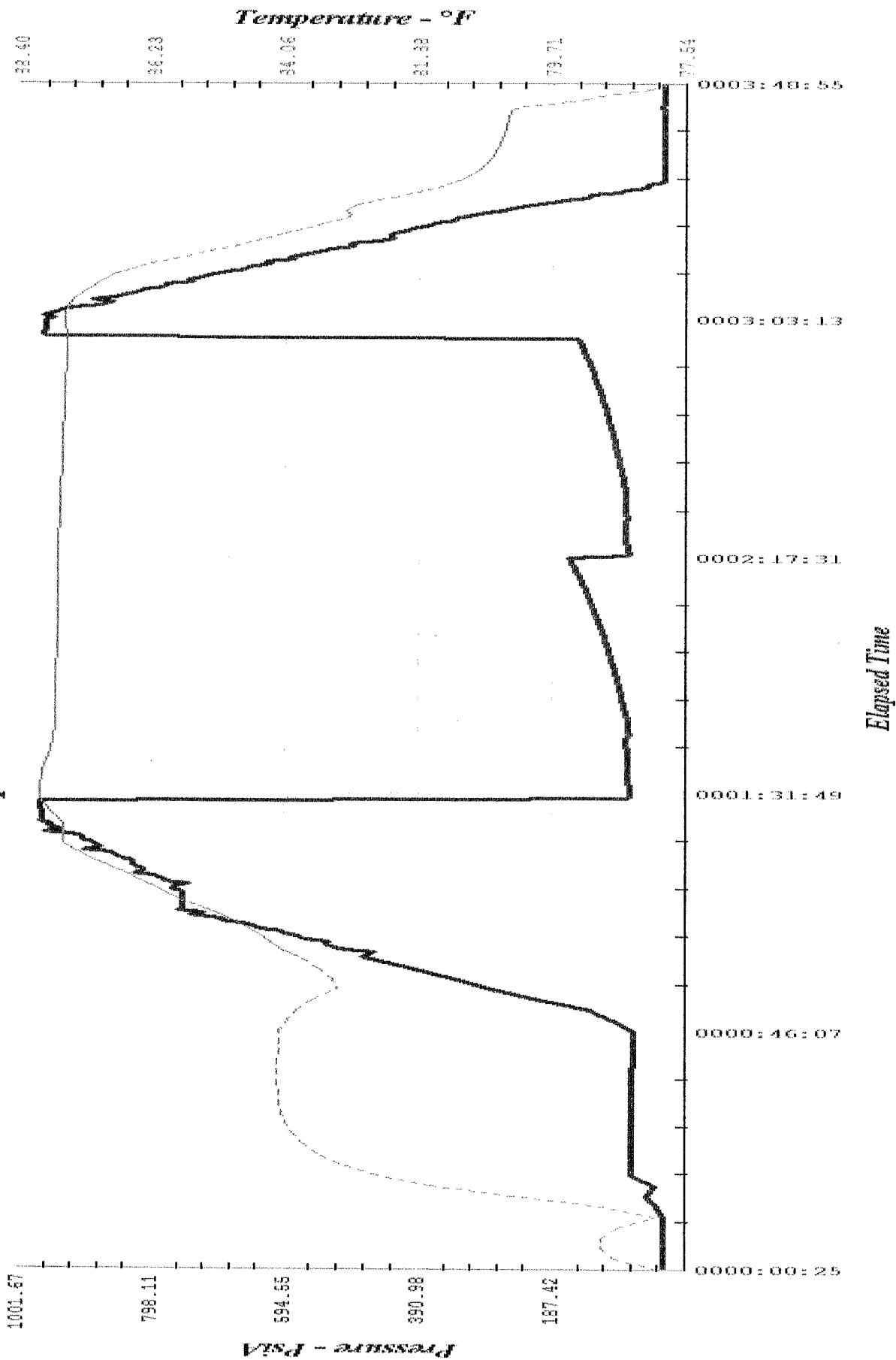
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
29 MILES ROUND TRIP FROM GREAT BEND			
TOP RECORDER DEPTH	1921	BOTTOM RECORDER DEPTH	1922
RECORDER NUMBER	4023	RECORDER NUMBER	4050

WELL INFORMATION

DRILLING CONTRACTOR	DUKE RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	1817	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.		
CHLORIDES-PITS	18,500	MUD WEIGHT #/GAL	8.9
CHLORIDES-DST		VISCOSITY	40
		WATER LOSS	8.4

COMMENTS

Temperature / Pressure Data



Tool serial number: 93335
 Test start: 06/07/2008 08:18:01

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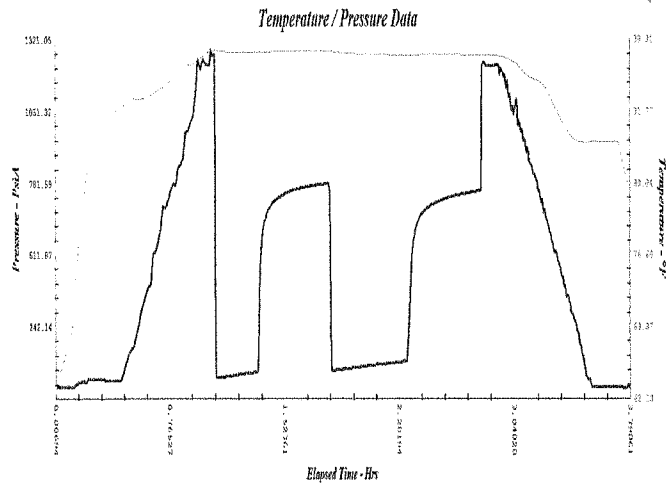
Ticket No. 15286

SUPERIOR TESTERS ENTERPRISES L.L.C.

ST REPORT

GREAT BEND, KANSAS 67530

1(80)



1	Initial Hydrostatic Pressure	1264
2	Initial Flow Pressure	51
3	Final Initial Flow Pressure	78
4	Initial Shut-In Pressure	781
5	Initial Final Flow Pressure	75
6	Final Flow Pressure	112
7	Final Shut-In Pressure	753
8	Final Hydrostatic Pressure	1231

Maximum Temperature 98

GENERAL INFORMATION

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

TEST DATE 6/8/08

SECTION-TOWN-RANGE 17-21-15

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1968

COMPANY REPRESENTATIVE RENA

LEASE AND WELL NUMBER MULL 1-17

FORMATION TESTED CANCEL GROVE

DRILL STEM TEST NUMBER 2

REPORT NUMBER 15286

ELEVATION KELLY BUSHINGS 1976

TESTING ENGINEER RANDY

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2346

TEST INTERVAL (to) 2384

ANCHOR LENGTH 38

TOTAL DEPTH (ft) 2384

TOP PACKER DEPTH 2341

BOTTOM PACKER DEPTH 2346

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 7:02

INITIAL OPEN TOOL OPEN (to) 7:17

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 7:17

TOOL CLOSED (to) 7:47

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 7:47

TOOL OPEN (to) 8:17

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 8:17

TOOL CLOSED (to) 8:47

DURATION (min.) 30

INITIAL FLOW

BUILDING BLOW INTO BUCKET OF WATER 8 INCHS IN 15 MINS
NO BLOW BACK

FINAL FLOW

NO BLOW
NO BLOW BACK

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. MULL 1-17 Test #: 2 Date: 6-08-08 SEC. 17 TWP. 21
RGE. 15W

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	E.G. HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	MULL 1-17
TEST DATE	6/8/08	FORMATION TESTED	HERRINGTON
SECTION-TOWN-RANGE	17-21-15	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	15286
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1976
ELEVATION GROUND LEVEL	1968	TESTING ENGINEER	RANDY
COMPANY REPRESENTATIVE	RENA		

EXTRA EQUIPMENT

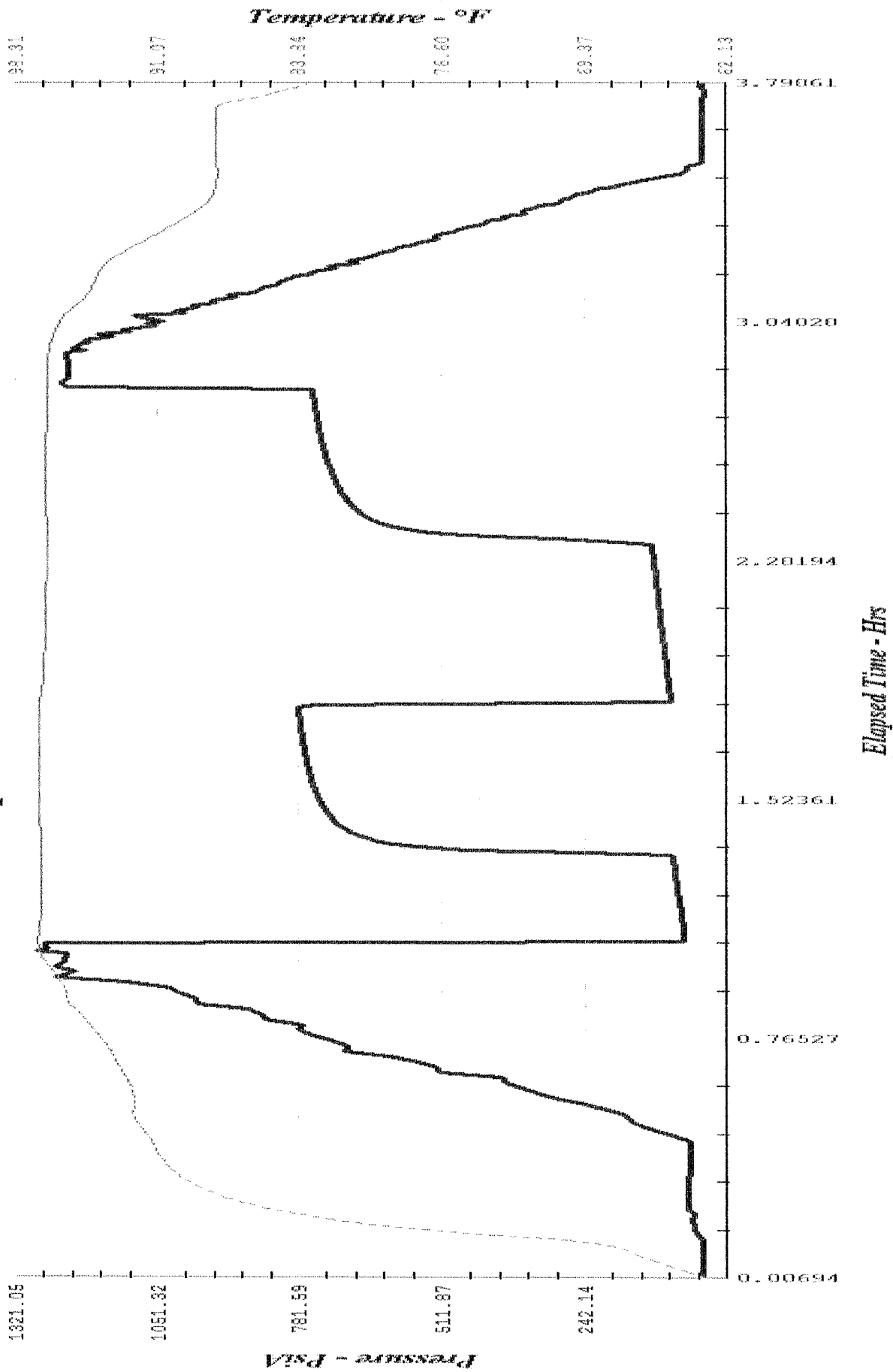
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
29 MILES ROUND TRIP FROM GREAT BEND			
TOP RECORDER DEPTH	2380	BOTTOM RECORDER DEPTH	2381
RECORDER NUMBER	4023	RECORDER NUMBER	4050

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG#8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2320	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.		
CHLORIDES-PITS	64,000	MUD WEIGHT #/GAL	9.4
CHLORIDES-DST	89,000	VISCOSITY	37
		WATER LOSS	8.2

COMMENTS

Temperature / Pressure Data



Tool serial number: 98335
 Test start: 06/08/2008 09:51:17

Superior Testers Enterprises L.L.C.

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

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Company F.G. HOLL COMPANY L.L.C.
Address 9431 E CENTRAL STE 100
Lease & # AWLL 1-17 Sec. 17 Twp 21 Rng 15W
Date 6-8-2008 County PAWNEE Elevation 1968 G.L. 1976 K.B.
Drilling Contractor DUKE DRILLING RIG#8
Drill Pipe Length 2440 I.D. of Drill Pipe 3.8 Tool Joint Size 4 1/2 X 11
Drill Collar Length 2461 I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2 X 11
Mud Weight 9.7 Viscosity 45 Filtrate 12.8 Chlorides-Pits 61,000 DST 78,000
Top Packer Depth 2461 Bottom Packer Depth 2466 Number of Packers 2
Tested From 2466 to 2498 Total Depth 2498 Anchor Length 32
Test # 3 Formation Tested RED EAGLE Hole Size 7 7/8
Initial Blow WEAK SURFACE BLOW DIED IN 6 MINS
Blow back on the 1st Shut-in NO
Final Blow NO BLOW

Blow back on the 2nd Shut-in NO
Initial Hydrostatic 1358 P.S.I. Final Hydrostatic 1335 P.S.I. Maximum Temp. 100 F

Initial Opening <u>45</u> P.S.I. to <u>47</u> P.S.I. from <u>8:26</u> m to <u>8:42</u> m <u>15</u> minutes
Initial Shut-in <u>846</u> P.S.I. from <u>8:41</u> m to <u>9:11</u> m <u>30</u> minutes
Final Opening <u>49</u> P.S.I. to <u>50</u> P.S.I. from <u>9:11</u> m to <u>9:26</u> m <u>15</u> minutes
Final Shut-in <u>824</u> P.S.I. from <u>9:26</u> m to <u>9:50</u> m <u>30</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
15	WATERY MUD			80	20

Total Feet Recovered 5 Recovery Chlorides 78000 Rw. 0.10 ohms @ 80 Degrees
Gravity of oil Corrected Gas to Surface in minutes into the minutes
Max. Gas Gauged MCF/day See Gas Flow Report Was a gas sample taken minutes
Comments minutes

Extra Equipment-Jars YES Safety Joint YES Circulating Sub minutes Straddle minutes
Electronic Recorder No. 4023 Depth 2494 Extra Packer (3rd) minutes Hook Wall minutes
Bottom Recorder No. 4050 Depth 2495 Extra Packer (4th) minutes Sampler minutes
Tool Operator minutes Approved By minutes

Ticket No. 15287

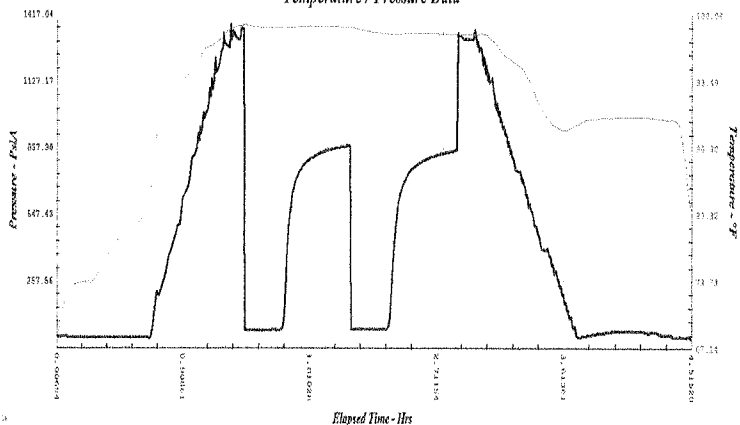
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Temperature / Pressure Data



Tool serial number: 50595
Test start: 06/08/2008 23:43:54

1	Initial Hydrostatic Pressure	1358
2	Initial Flow Pressure	45
3	Final Initial Flow Pressure	47
4	Initial Shut-In Pressure	846
5	Initial Final Flow Pressure	49
6	Final Flow Pressure	50
7	Final Shut-In Pressure	824
8	Final Hydrostatic Pressure	1335

Maximum Temperature

GENERAL INFORMATION

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

TEST DATE 6/8/08

SECTION-TOWN-RANGE 17-21-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1968

COMPANY REPRESENTATIVE RENA

LEASE AND WELL NUMBER MULL 1-17

FORMATION TESTED RED EAGLE

DRILL STEM TEST NUMBER 3

REPORT NUMBER 15287

ELEVATION KELLY BUSHINGS 1976

TESTING ENGINEER RANDY

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2498

TEST INTERVAL (to) 2466

ANCHOR LENGTH -32

TOTAL DEPTH (ft) 2466

TOP PACKER DEPTH 2461

BOTTOM PACKER DEPTH 2466

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 8:26PM

TOOL OPEN (to) 8:41

DURATION (min.) 15

FINAL OPEN

TOOL OPEN (from) 9:11

TOOL OPEN (to) 9:26

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 8:41

TOOL CLOSED (to) 9:11

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 9:26

TOOL CLOSED (to) 9:56PM

DURATION (min.) 30

INITIAL FLOW WEAK SURFACE BLOW DIED IN 6 MINS
NO BLOW BACK

FINAL FLOW NO BLOW
NO BLOW BACK

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. MULL 1-17 Test #: 3 Date: 6-8-08 SEC. 17 TWP. 21
RGE. 15W

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G. HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	MULL 1-17
TEST DATE	6/8/08	FORMATION TESTED	RED EAGLE
SECTION-TOWN-RANGE	17-21-15W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	15287
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1976
ELEVATION GROUND LEVEL	1968	TESTING ENGINEER	RANDY
COMPANY REPRESENTATIVE	RENA		

EXTRA EQUIPMENT

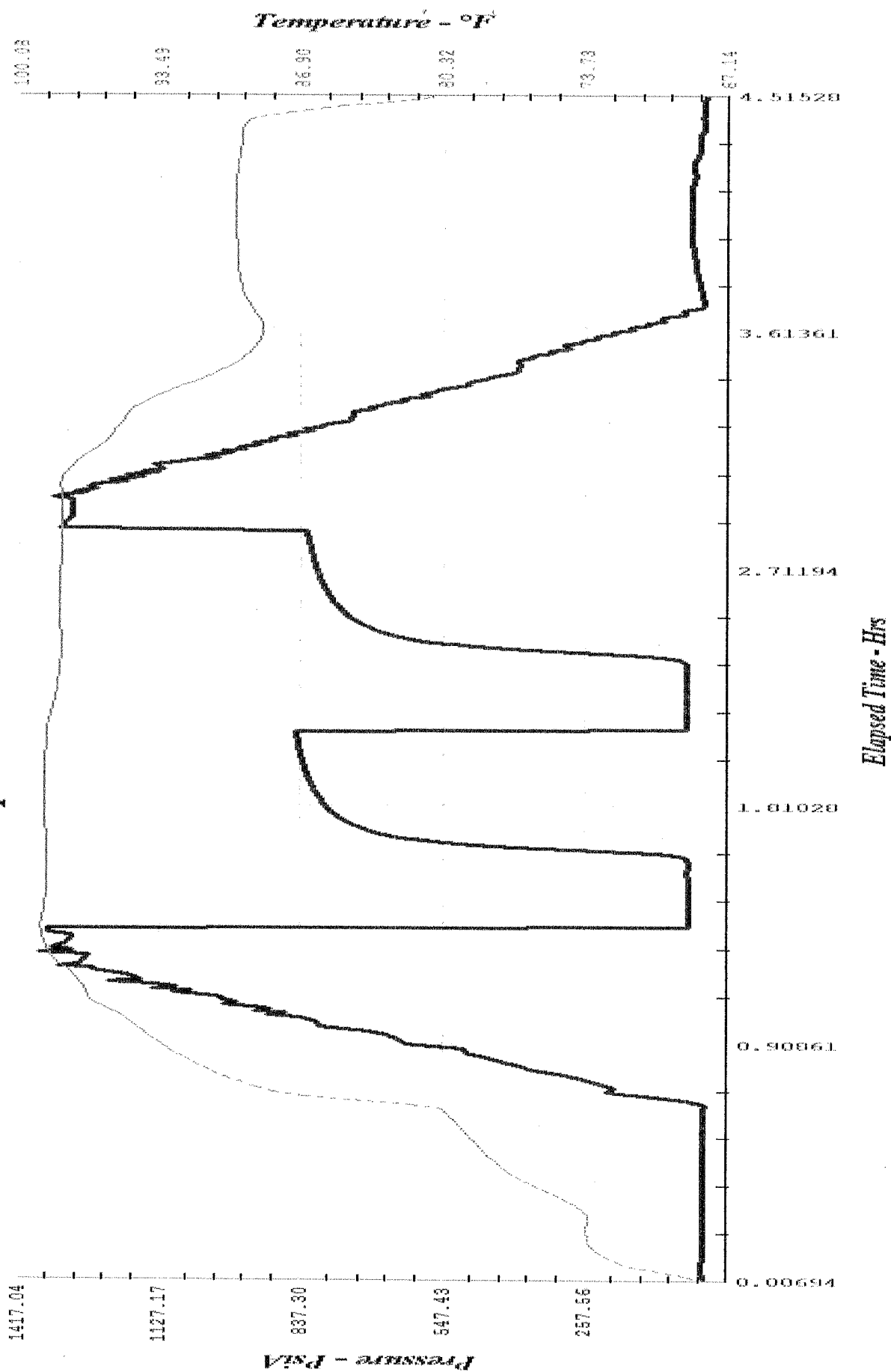
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
29 MILES ROUND TRIP FROM GREAT BEND			
TOP RECORDER DEPTH	2494	BOTTOM RECORDER DEPTH	2495
RECORDER NUMBER	4023	RECORDER NUMBER	4050

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2440	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.		
CHLORIDES-PITS	61,000	MUD WEIGHT #/GAL	9.7
CHLORIDES-DST	78,000	VISCOSITY	45
		WATER LOSS	12.8

COMMENTS

Temperature / Pressure Data



Tool serial number: 93335

Test start: 06/08/2008 23:43:54

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

17-21-15W

MULL 1-17

6-8-08

DST#3

RED EAGLE

Superior Testers Enterprises

Chart

Last Page

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Ticket No. 15288

SUPERIOR TESTERS ENTERPRISES L.L.C.

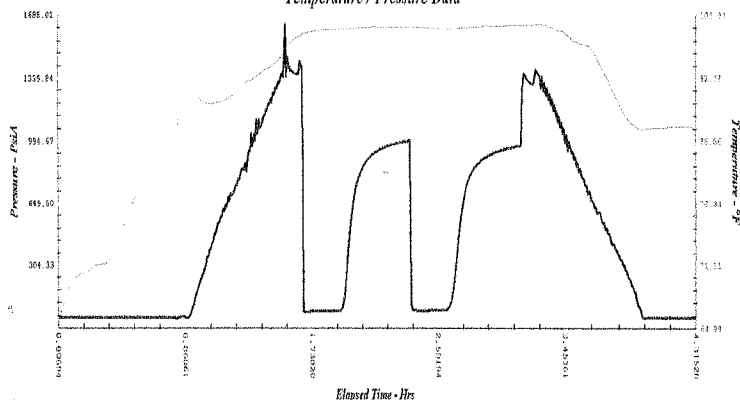
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. MULL 1 - 17 Test #: 4 Date: 6 - 9 - 08 SEC. 17 TWP. 21
 RGE. 15W

Temperature / Pressure Data



Well serial number: 93050
Test start: 06/09/2008 21:22:29

1	Initial Hydrostatic Pressure	1432
2	Initial Flow Pressure	47
3	Final Initial Flow Pressure	53
4	Initial Shut-In Pressure	994
5	Initial Final Flow Pressure	55
6	Final Flow Pressure	56
7	Final Shut-In Pressure	967
8	Final Hydrostatic Pressure	1361

Maximum Temperature 99

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY

TEST DATE 6/9/08

SECTION-TOWN-RANGE 17-21-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1968

COMPANY REPRESENTATIVE RENE

LEASE AND WELL NUMBER MULL 1-17

FORMATION TESTED TARKIO

DRILL STEM TEST NUMBER 4

REPORT NUMBER 15288

ELEVATION KELLY BUSHINGS 1976

TESTING ENGINEER RANDY

TOOL SETTING INFORMATION

TEST INTERVAL (From) 2798

TEST INTERVAL (to) 2838

ANCHOR LENGTH 40

TOTAL DEPTH (ft) 2838

TOP PACKER DEPTH 2793

BOTTOM PACKER DEPTH 2798

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 6:38PM

INITIAL OPEN TOOL OPEN (to) 6:53

DURATION (min.) 15

FINAL OPEN

TOOL OPEN (from) 7:23

TOOL OPEN (to) 7:38

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 6:53

TOOL CLOSED (to) 7:23

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 7:38

TOOL CLOSED (to) 8:08PM

DURATION (min.) 30

INITIAL FLOW WEAK STEADY SURFACE BLOW
NO BLOW BACK

FINAL FLOW NO BLOW
NO BLOW BACK

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	LEASE AND WELL NUMBER	MULL 1-17
TEST DATE	6/9/08	FORMATION TESTED	TARKIO
SECTION-TOWN-RANGE	17-21-15W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	15288
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1976
ELEVATION GROUND LEVEL	1968	TESTING ENGINEER	RANDY
COMPANY REPRESENTATIVE	RENE		

EXTRA EQUIPMENT

JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
29 MILES ROUND TRIP FROM GREAT BEND			
TOP RECORDER DEPTH	2834	BOTTOM RECORDER DEPTH	2835
RECORDER NUMBER	4023	RECORDER NUMBER	4050

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG#8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	2772	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.		
CHLORIDES-PITS	8,500	MUD WEIGHT #/GAL	9.1
CHLORIDES-DST		VISCOSITY	57
		WATER LOSS	9.6

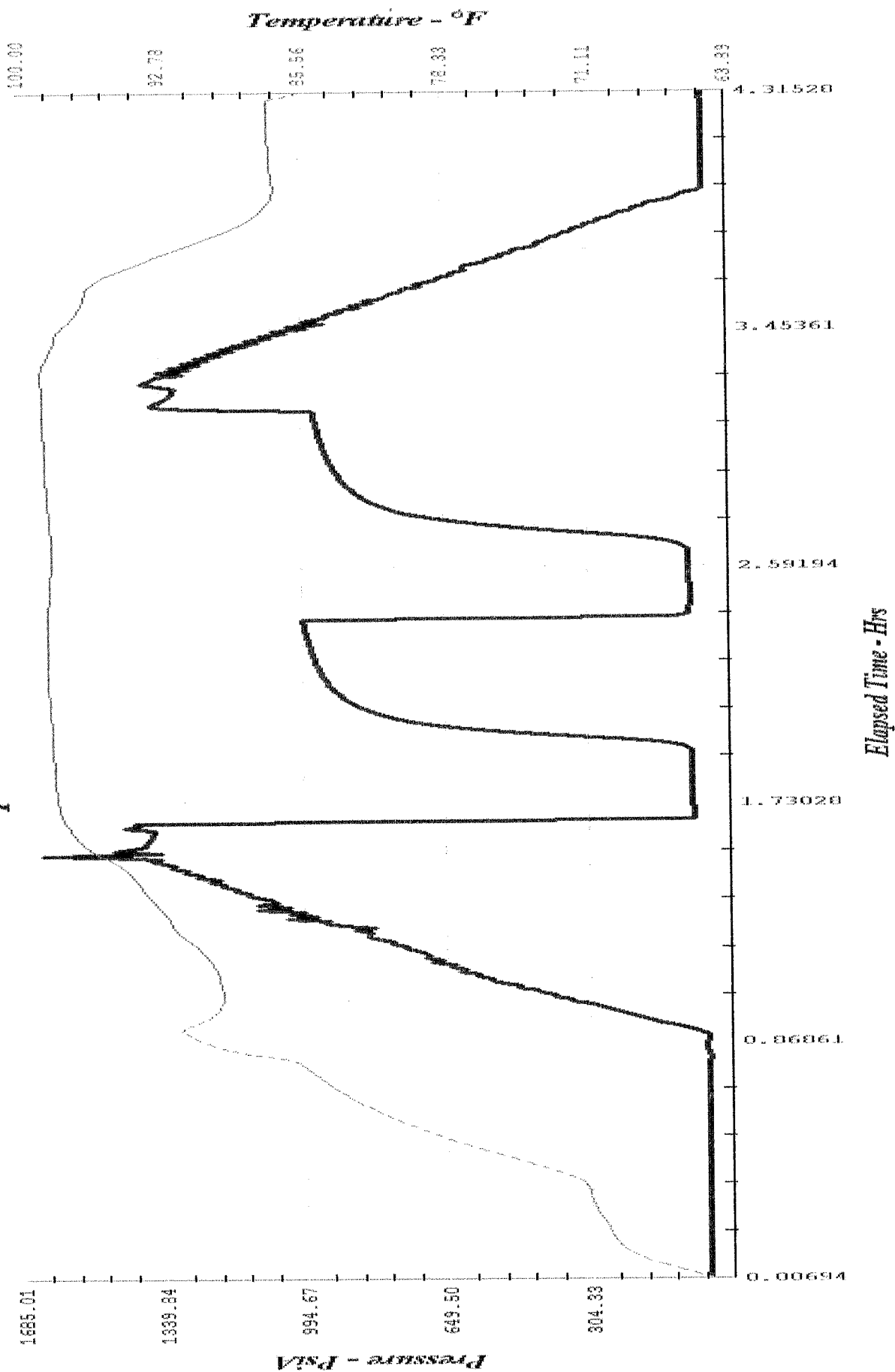
COMMENTS

Recovery Sample Description

Great Bend, Kansas 67530

Page 3

Temperature / Pressure Data



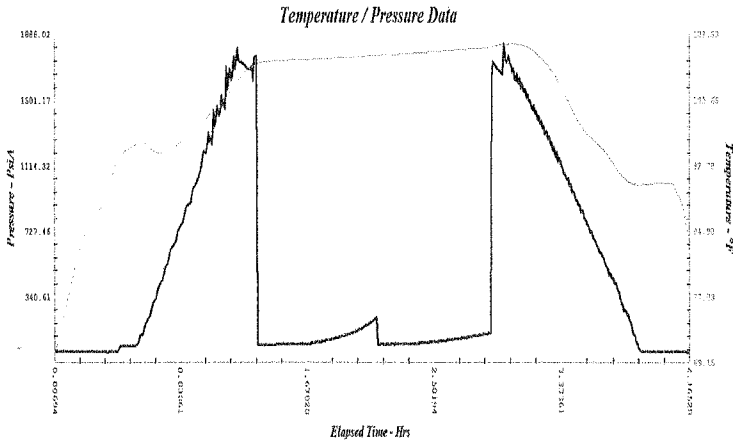
Tool serial number: 93335
 Test start: 06/09/2008 21:22:29

SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1762
2	Initial Flow Pressure	59
3	Final Initial Flow Pressure	60
4	Initial Shut-In Pressure	218
5	Initial Final Flow Pressure	60
6	Final Flow Pressure	65
7	Final Shut-In Pressure	129
8	Final Hydrostatic Pressure	1727

Maximum Temperature 107

Company: F.G. HOLL COMPANY L.L.C. Lease & Well No. MULL 1 - 17 Test #: 5 Date: 6 - 11 - 08 SEC. 17 TWP.
21 RGE. 15W

GENERAL INFORMATION

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

TEST DATE 6/11/08

SECTION-TOWN-RANGE 17-21-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1968

COMPANY REPRESENTATIVE RENE

LEASE AND WELL NUMBER MULL 1-17

FORMATION TESTED LANSING A,B,C,D,

DRILL STEM TEST NUMBER 5

REPORT NUMBER 15289

ELEVATION KELLY BUSHINGS 1976

TESTING ENGINEER RANDY

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3440

TEST INTERVAL (to) 3501

ANCHOR LENGTH 61

TOTAL DEPTH (ft) 3501

TOP PACKER DEPTH 3435

BOTTOM PACKER DEPTH 3440

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 2:52

TOOL OPEN (to) 3:07

DURATION (min.) 15

FINAL OPEN

TOOL OPEN (from) 3:37

TOOL OPEN (to) 3:52

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 3:07

TOOL CLOSED (to) 3:37

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 3:52

TOOL CLOSED (to) 4:22

DURATION (min.) 30

INITIAL FLOW

WEAK BLOW DIED IN 8 MINS
NO BLOW BACK

FINAL FLOW

NO BLOW
NO BLOW BACK

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	MULL 1-17
TEST DATE	6/11/08	FORMATION TESTED	LANSING A,B,C,D,
SECTION-TOWN-RANGE	17-21-15W	DRILL STEM TEST NUMBER	5
STATE	KANSAS	REPORT NUMBER	15289
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1976
ELEVATION GROUND LEVEL	1968	TESTING ENGINEER	RANDY
COMPANY REPRESENTATIVE	RENE		

EXTRA EQUIPMENT

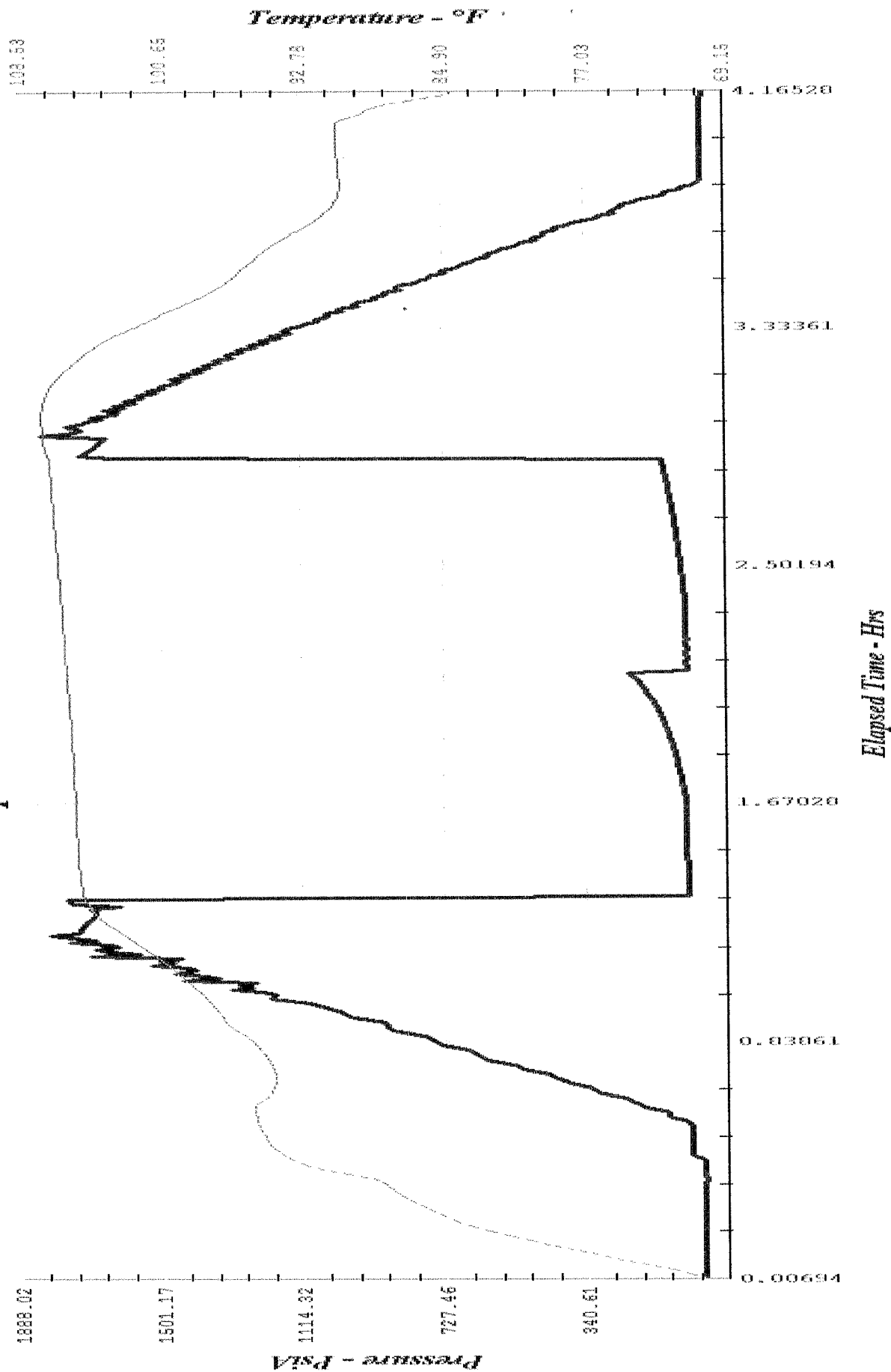
JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
29 MILES ROUND TRIP FROM GREAT BEND			
TOP RECORDER DEPTH	3497	BOTTOM RECORDER DEPTH	3498
RECORDER NUMBER	4023	RECORDER NUMBER	4050

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3414	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.		
CHLORIDES-PITS	9,000	MUD WEIGHT #/GAL	9.5
CHLORIDES-DST		VISCOSITY	48
		WATER LOSS	12

COMMENTS

Temperature / Pressure Data



Tool serial number: 93335
 Test start: 06/11/2008 17:46:11

(800) 792-6902

Initial Hydrostatic 1923 P.S.I. Final Hydrostatic 1869 P.S.I. Maximum Temp. 113 F

Final Shut-in 432 ~~726~~ P.S.I. from 1:55 m to 3:25 A m 90 minutes

[illegible]

Total Feet Recovered _____ Recovery Chlorides _____ R.w. _____ ohms @ _____ Degrees
Gravity of oil _____ Corrected Gas to Surface in 15 minutes into the 2ND OPEN
Max. Gas Gauged _____ MCF/day See Gas Flow Report Was a gas sample taken YES
Comments SLIDE BOTTOM 1/2 FOOT

Extra Equipment-Jars	—	Safety Joint	—	Circulating Sub	—	Straddle	—
Electronic Recorder No.	4023	Depth	3761	Extra Packer (3rd)	—	Hook Wall	—
Bottom Recorder No	4050	Depth	3762	Extra Packer (4th)	—	Sampler	—
Tool Operator	Randall Williams			Approved By			

Ticket No. 15290

SUPERIOR TESTERS ENTERPRISES L.L.C.

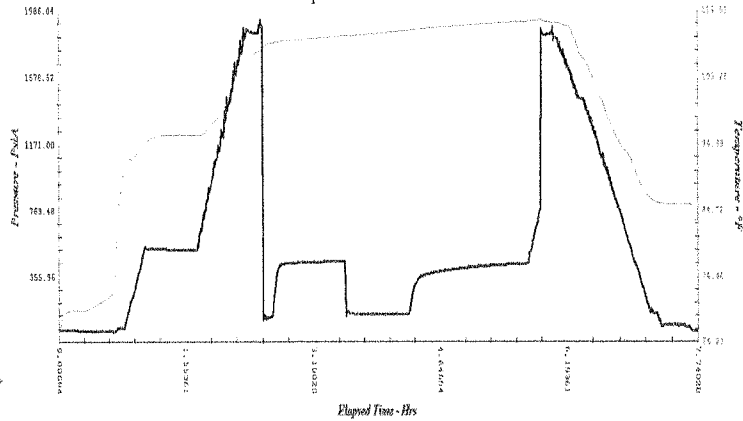
1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: F.G.HOLL COMPANY L. L. C. Lease & Well No. MULL 1 - 17 Test #: 6 Date: 6 - 13 - 08 SEC. 17 TWP.
21 RGE. 15 W

Temperature / Pressure Data



Tool serial number: 88336
Test start: 06/13/2008 05:30:20

1	Initial Hydrostatic Pressure	1923
2	Initial Flow Pressure	82
3	Final Initial Flow Pressure	104
4	Initial Shut-In Pressure	447
5	Initial Final Flow Pressure	107
6	Final Flow Pressure	120
7	Final Shut-In Pressure	432
8	Final Hydrostatic Pressure	1869

Maximum Temperature 113

GENERAL INFORMATION

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

TEST DATE 6/13/08

SECTION-TOWN-RANGE 17-21-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1968

COMPANY REPRESENTATIVE RENE

LEASE AND WELL NUMBER MULL 1-17

FORMATION TESTED CONGLOMERATE

DRILL STEM TEST NUMBER 6

REPORT NUMBER 15290

ELEVATION KELLY BUSHINGS 1976

TESTING ENGINEER RANDY

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3665

TEST INTERVAL (to) 3765

ANCHOR LENGTH 100

TOTAL DEPTH (ft) 3765

TOP PACKER DEPTH 3660

BOTTOM PACKER DEPTH 3665

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 12:05AM

TOOL OPEN (to) 12:10

DURATION (min.) 5

INITIAL SHUT-IN

TOOL CLOSED (from) 12:10

TOOL CLOSED (to) 1:10

DURATION (min.) 60

FINAL OPEN

TOOL OPEN (from) 1:10

TOOL OPEN (to) 1:55

DURATION (min.) 45

FINAL SHUT-IN

TOOL CLOSED (from) 1:55

TOOL CLOSED (to) 3:25

DURATION (min.) 90

INITIAL FLOW GOOD BLOW TO BOTTOM OF BUCKET IN 2 MIN
NO BLOW BACK

FINAL FLOW TO BOTTOM OF BUCKET LESS THAN 1 MIN

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	E.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	MULL 1-17
TEST DATE	6/13/08	FORMATION TESTED	CONGLOMERATE
SECTION-TOWN-RANGE	17-21-15W	DRILL STEM TEST NUMBER	6
STATE	KANSAS	REPORT NUMBER	15290
COUNTY	PAWNEE	ELEVATION KELLY BUSHINGS	1976
ELEVATION GROUND LEVEL	1968	TESTING ENGINEER	RANDY
COMPANY REPRESENTATIVE	RENE		

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
29 MILES ROUND TRIP FROM GREAT BEND			
TOP RECORDER DEPTH	3761	BOTTOM RECORDER DEPTH	3762
RECORDER NUMBER	4023	RECORDER NUMBER	4050

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #8	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3647	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.		
CHLORIDES-PITS	9,200	MUD WEIGHT #/GAL	9.45
CHLORIDES DST		VISCOSITY	47
		WATER LOSS	10

COMMENTS

SLIDE BOTTEM 1/2 FOOT

SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

GAS FLOW RATE

(800) 792-6902

#

STATE..... KANSAS

Test Date 1/0/1900

COUNTY..... PAWNEE

Sec Town Range 17-21-15W

FIELD.....

Report Number 15290

Initial Flow

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

Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPEN AT	1:20	15	56			1/2	46.900
1:10 AM GAS TO	1:30	20	60			1/2	48.600
SURFACE IN 15 MIN	1:40	30	66			1/2	50.900
	1:50	40	68			1/2	51.700
	1:55	45	72			1/2	53.200
GAS SAMPLE WAS TAKEN AT END OF 2 ND OPEN							

Was there a gas sample taken

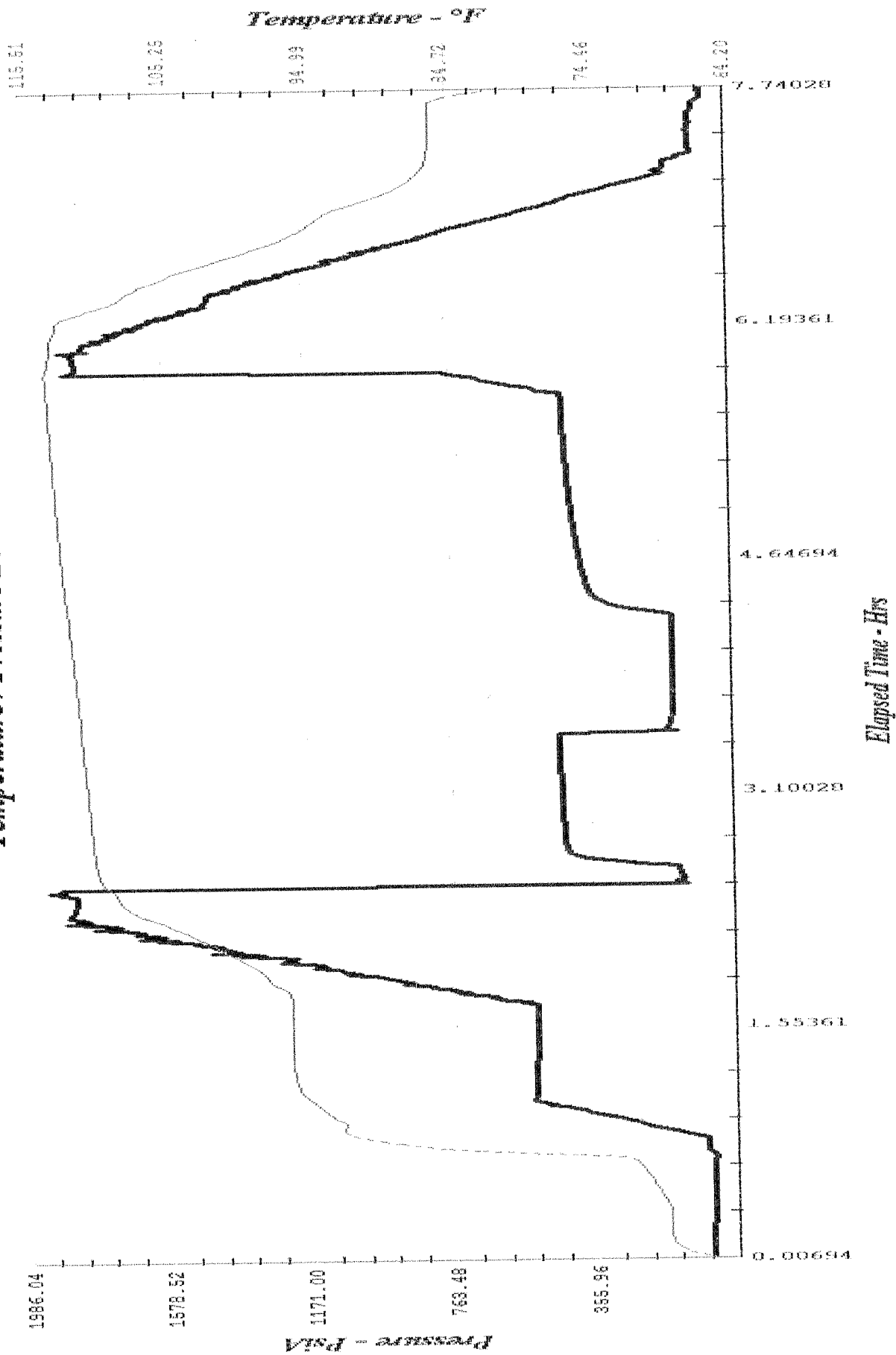
YES

Recovery Sample Description

1-800-792-6902

Page 3

Temperature / Pressure Data



Tool serial number: 93335
 Test start: 06/13/2008 05:30:28

(800) 792-6902

Initial Opening	60	P.S.I. to	60	P.S.I.	from	1:16 p	m to	1:31	m	15	minutes
Initial Shut-in	263	P.S.I.			from	1:31	m to	2:01	m	30	minutes
Final Opening	55	P.S.I. to	60	P.S.I.	from	2:01	m to	2:46	m	45	minutes
Final Shut-in	307	P.S.I.			from	2:46	m to	4:16	m	90	minutes

[illegible]

Extra Equipment-Jars	_____	Safety Joint	_____	Circulating Sub	_____	Straddle	_____
Electronic Recorder No.	4023	Depth	3779	Extra Packer (3rd)	_____	Hook Wall	_____
Bottom Recorder No	4050	Depth	3780	Extra Packer (4th)	_____	Sampler	_____
Tool Operator	_____			Approved By	_____		

Ticket No 15291

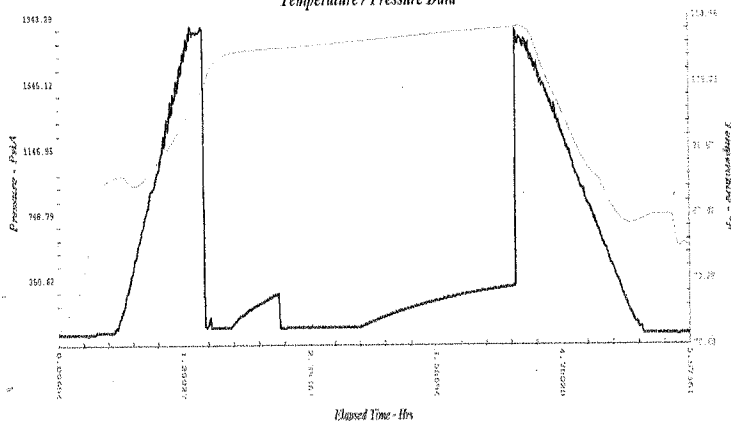
SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Temperature / Pressure Data



Tool serial number: 9235
Test start: 06/13/2008 17:57:11

1	Initial Hydrostatic Pressure	1880
2	Initial Flow Pressure	60
3	Final Initial Flow Pressure	60
4	Initial Shut-In Pressure	263
5	Initial Final Flow Pressure	55
6	Final Flow Pressure	60
7	Final Shut-In Pressure	307
8	Final Hydrostatic Pressure	1858

Maximum Temperature 112

GENERAL INFORMATION

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

TEST DATE 6/13/08

SECTION-TOWN-RANGE 17-21-15W

STATE KANSAS

COUNTY PAWNEE

ELEVATION GROUND LEVEL 1968

COMPANY REPRESENTATIVE RENE

LEASE AND WELL NUMBER MULL 1-17

FORMATION TESTED CONGLOMERATE

DRILL STEM TEST NUMBER 7

REPORT NUMBER 15291

ELEVATION KELLY BUSHINGS 1976

TESTING ENGINEER RANDY

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3765

TEST INTERVAL (to) 3783

ANCHOR LENGTH 18

TOTAL DEPTH (ft) 3783

TOP PACKER DEPTH 3760

BOTTOM PACKER DEPTH 3765

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 1:16PM

INITIAL OPEN TOOL OPEN (to) 1:31

DURATION (min.) 15

INITIAL SHUT-IN

TOOL CLOSED (from) 1:31

TOOL CLOSED (to) 2:01

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 2:01

TOOL OPEN (to) 2:46

DURATION (min.) 45

FINAL SHUT-IN

TOOL CLOSED (from) 2:46

TOOL CLOSED (to) 4:16PM

DURATION (min.) 90

INITIAL FLOW

WEAK BLOW BUILT TO 4 INCHS & DIED
NO BLOW BACK

FINAL FLOW

BUILDING BLOW BUILT TO 10 INCHS IN 45 MINS
NO BLOW BACK

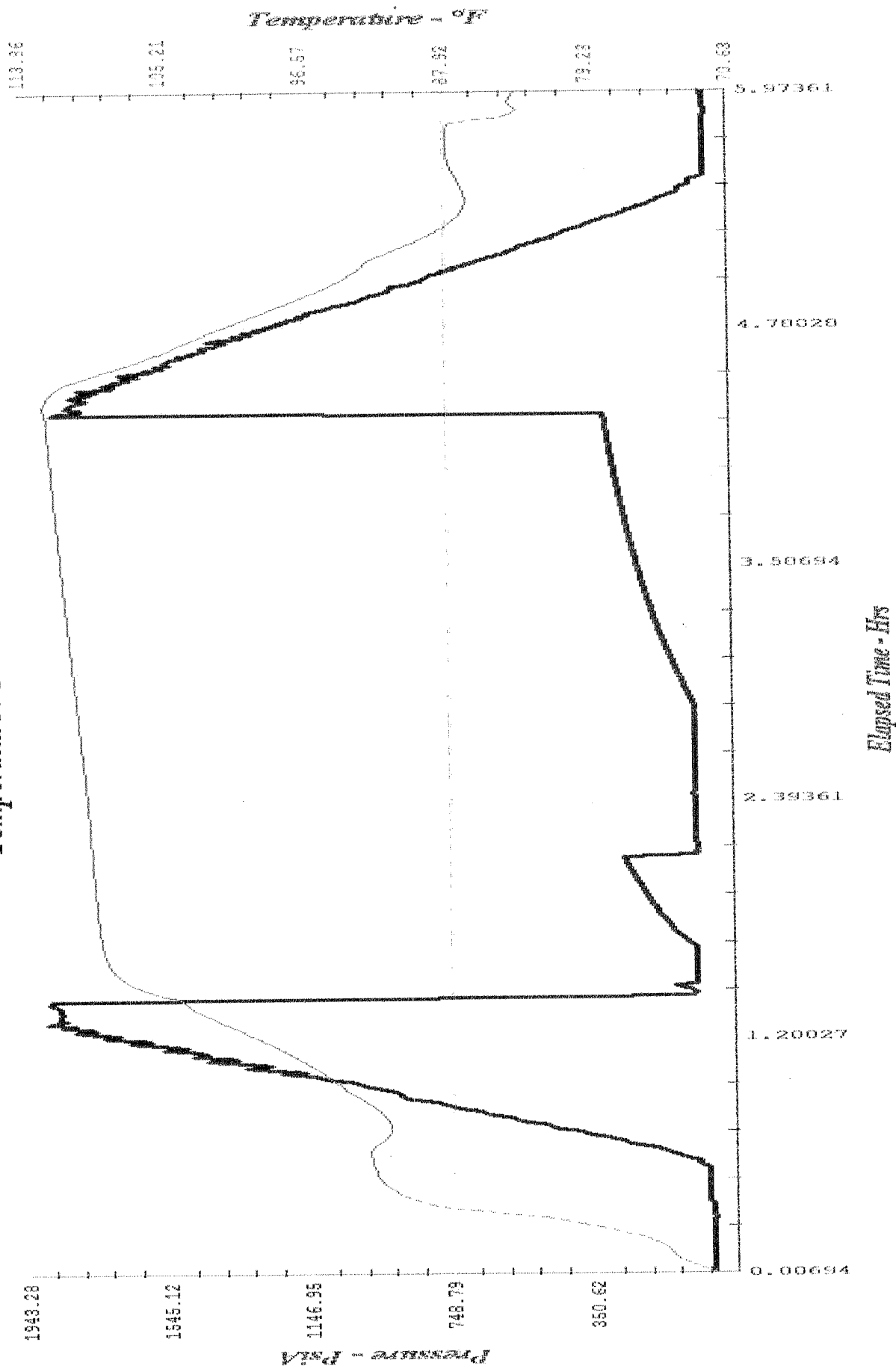
RGE. 15W

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

Lease & Well No. MULL 1 - 17 Test #: 7 Date: 6 - 13 - 08 SEC. 17 TWP. 21

GREAT BEND, KANSAS 67530 (800) 792-6902

Temperature / Pressure Data



Tool serial number: 93395

Test start: 06/13/2008 17:57:11