

F.G. Hall Co.
Hullett 1-9

9-21-14W
15-185-23132

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-13-01 Location NE 1/4 - 1/4 9-21-14W Elevation 1941 K.B. County Stafford

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

Charts Mailed to 6427 East Kellogg P.O. Box 780167 Wichita Kansas 67228

Drilling Contractor Steel Line Drilling Rig #1

Length Drill Pipe 2894 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" x 1 1/2"

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

Length Drill Collars 487 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" x 1 1/2"

Top Packer Depth 3397 Bottom Packer Depth 3402 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3402 TO 3420 ANCHOR LENGTH 18 TOTAL DEPTH 3420 Hole Size 7 7/8"

EASE & WELL NO. HULLETT #1-9 FORMATION TESTED Kansas City "P" TEST NO. 1

Mud Weight 9.3 Viscosity 44 Water Loss 88 Chlorides - Pits 7000 D.S.T. _____

Maximum Temp. 103 °F Initial Hydrostatic Pressure (A) 1642 P.S.I. Final Hydrostatic Pressure (H) 1638 P.S.I.

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

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

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

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

Initial Blow very weak blow for 1 minute & died

Final Blow 10 - 15 weak blow for 5 minutes & died

Total Feet Recovered 10 Gravity of Oil _____ Corrected _____

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

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

Feet of Tool SLID while shut in % Gas _____ % Oil _____ % Mud _____ % Water _____

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

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. 78225 Clock No. ELECTRAK Depth 3413 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 4744 Depth 3417 Insurance NONE

Price of Job _____

Tool Operator Gene Budig

Approved By _____

No. 12005

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.

Field :
County or Parish :
State :

Date Printed: 08/17/01 08:29:37
Analysis Period : End Flow - 05-End 2nd Shut-in
Comment : Line #

Superposition Slope -> m' -1.540862
Horner Slope -> m -194.919008
Intercept 985.234
P(dt=1 hr) 923.694
Pwf 189.310
R Sqr 0.9993

k (md) 63.46260
kh (md-ft) 634.62596
k/u (md/cp) 11.58669
kh/uB (md-ft/cp) 105.52537

Skin 3.802
DP Skin 644.663
Total DP 795.924
Percent DP 81.00%

Radius Invest (ft) 9
Radius Time (hrs) 1.49

Delta Q = 127
h (ft)= 10
mu = 5.477
B = 1.098

First Point # 110
Second Point # 300
Start Real Time 0.333
End Real Time 1.491
Start SF Time 78.454

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. HULETT #1-9 Test #: 1 Date: 8-13-2001 SEC. 9 TWP. 21S
 RGE. 14W

SUPERIOR TESTERS ENTERPRISES INC.

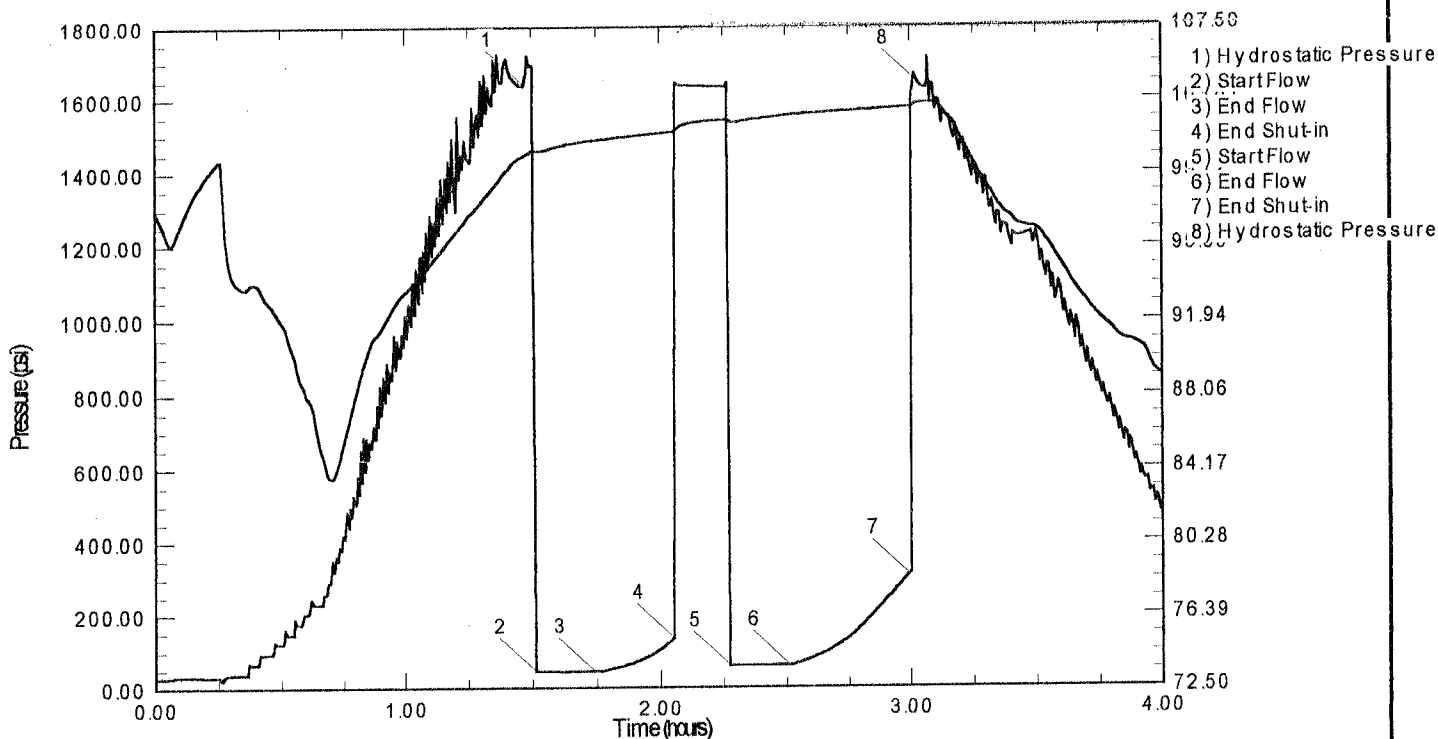
Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
 County STAFFORD
 Field

Test Date August 13, 2001
 Sec Town Range 9-21S-14W
 Report Number 12005



Field Reading

(1)	Initial Hydrostatic Pressure	1640
(2)	Initial Flow Pressure	45
(3)	Final Initial Flow Pressure	45
(4)	Initial Shut-In Pressure	139
(5)	Initial Final Flow Pressure	60
(6)	Final Flow Pressure	60
(7)	Final Shut-In Pressure	309
(8)	Final Hydrostatic Pressure	1638

ELECTRONIC RECORDER DEPTH 3413 FT, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	HULLETT #1-9
TEST DATE	8/13/01	FORMATION TESTED	KANSAS CITY "F"
SECTION-TOWN-RANGE	9-21S-14W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	12005
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1941
ELEVATION GROUND LEVEL	1932	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REA		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3402	TOP PACKER DEPTH	3397
TEST INTERVAL (to)	3420	BOTTOM PACKER DEPTH	3402
ANCHOR LENGTH	18	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3420	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	5:00
TOOL OPEN (to)	5:15
DURATION (min.)	15

INITIAL SHUT-IN

TOOL CLOSED (from)	5:15
TOOL CLOSED (to)	5:45
DURATION (min.)	30

FINAL OPEN

TOOL OPEN (from)	5:45
TOOL OPEN (to)	6:00
DURATION (min.)	15

FINAL SHUT-IN

TOOL CLOSED (from)	6:00
TOOL CLOSED (to)	6:30
DURATION (min.)	30

PRESSURE READINGS

INITIAL HYDROSTATIC	1640
INITIAL FLOW	45
FINAL INITIAL FLOW	45
INITIAL SHUT-IN	139
INITIAL FINAL FLOW	60
FINAL FLOW	60
FINAL SHUT-IN	309
FINAL HYDROSTATIC	1638
MAXIMUM TEMPERATURE	103
TOP RECORDER DEPTH	3413
RECORDER NUMBER	78225
BOTTOM RECORDER DEPTH	3417
RECORDER NUMBER	13189

INITIAL BLOW

VERY WEAK BLOW FOR 1 MINUTE AND DIED

FINAL BLOW

WEAK BLOW FOR 5 MINUTES AND DIED

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-14-2001 Location N/E 1/4 - 1/4 9-25-14W Elevation 1941 LB County Stafford

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

Charts Mailed to 6427 East KENOGG P.O. Box 780167 Wichita Kansas 67228-0167

Drilling Contractor Steeling Drilling Rig #1

Length Drill Pipe 2985 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11"

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

Length Drill Collars 487 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11"

Top Packer Depth 3483 Bottom Packer Depth 3493 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3493 TO 3505 ANCHOR LENGTH 12 TOTAL DEPTH 3505 Hole Size 2 1/8"

LEASE & WELL NO. HULLER #1-9 FORMATION TESTED Kansas C. 1/4 "E" TEST NO. 2

Mud Weight 9.4 Viscosity 44 Water Loss 12.4 Chlorides - Pits 12,500 D.S.T.

Maximum Temp. 110 °F Initial Hydrostatic Pressure (A) 1741 P.S.I. Final Hydrostatic Pressure (H) 1736 P.S.I.

Tool Open I.F.P. from 8:30 A m to 9:00 A m 30 min

Tool Closed I.C.I.P. from 9:00 A m to 10:00 A m 60 min

Tool Open F.F.P. from 10:00 A m to 11:00 A m 60 min

Tool Closed F.C.I.P. from 11:00 A m to 12:30 P m 90 min

Initial Blow Good blow built to the bottom of a 5 Gallon bucket in 2 1/2 minutes

Final Blow Good blow built the the bottom of a 5 Gallon bucket in 3 minutes

Total Feet Recovered 850 Gravity of Oil 28 Corrected

2655 Feet of Gas in the Pipe 100 % Gas 0 % Oil 0 % Mud 0 % Water

850 Feet of CLEAN Gassy Oil 30 % Gas 70 % Oil 0 % Mud 0 % Water

Feet of Gravity 28 Corrected % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Remarks

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

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 3498 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 3503 Insurance NONE

Price of Job

Tool Operator Gene Guly

Approved By

N2 12039

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SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #1**

DRILL PIPE LENGTH **3034**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **487**

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 **9.2**

VISCOSITY **44**

WATER LOSS **12.4**

CHLORIDES-PITS **12500**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECEIPTION	% GAS	% OIL	% MUD	% WATER
1)	5	DRILLING MUD				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
TOTAL RECOVERY						

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

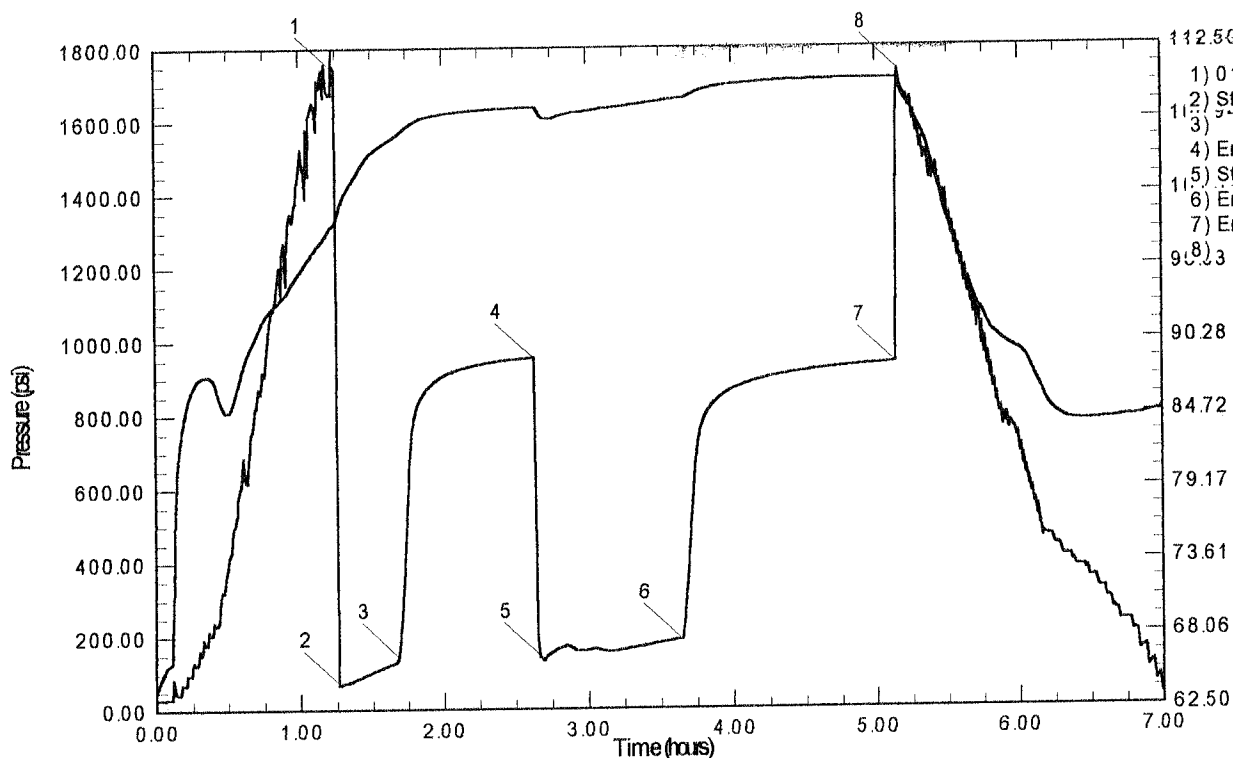
Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date August 14, 2001
Sec Town Range 9-21S-14W
Report Number 12039



1) 01-Hydrostatic Pressure
2) Start Flow
3) End Flow
4) End Shut-in
5) Start Flow
6) End Flow
7) End Shut-in
8) Final Hydrostatic Pressure

Field Reading

(1)	Initial Hydrostatic Pressure	1741
(2)	Initial Flow Pressure	68
(3)	Final Initial Flow Pressure	144
(4)	Initial Shut-In Pressure	956
(5)	Initial Final Flow Pressure	142
(6)	Final Flow Pressure	189
(7)	Final Shut-In Pressure	939
(8)	Final Hydrostatic Pressure	1736

ELECTRONIC RECORDER DEPTH 3498 FT, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER HULLETT #1-9
TEST DATE 8/14/01	FORMATION TESTED KANSAS CITY "I"
SECTION-TOWN-RANGE 9-21S-14W	DRILL STEM TEST NUMBER 2
STATE KANSAS	REPORT NUMBER 12039
COUNTY STAFFORD	ELEVATION KELLY BUSHINGS 1941
ELEVATION GROUND LEVEL 1932	TESTING ENGINEER GENE BUDIG
COMPANY REPRESENTATIVE BILL REA	

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3493	TOP PACKER DEPTH 3488
TEST INTERVAL (to) 3505	BOTTOM PACKER DEPTH 3493
ANCHOR LENGTH 12	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 3505	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) **8:30**

TOOL OPEN (to) **9:00**

DURATION (min.) **30**

INITIAL SHUT-IN

TOOL CLOSED (from) **9:00**

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

DURATION (min.) **60**

FINAL OPEN

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

TOOL OPEN (to) **11:00**

DURATION (min.) **60**

FINAL SHUT-IN

TOOL CLOSED (from) **11:00**

TOOL CLOSED (to) **12:30**

DURATION (min.) **90**

PRESSURE READINGS

INITIAL HYDROSTATIC **1741**

INITIAL FLOW **68**

FINAL INITIAL FLOW **144**

INITIAL SHUT-IN **956**

INITIAL FINAL FLOW **142**

FINAL FLOW **189**

FINAL SHUT-IN **939**

FINAL HYDROSTATIC **1736**

MAXIMUM TEMPERATURE **110**

TOP RECORDER DEPTH **3498**

RECORDER NUMBER **78225**

BOTTOM RECORDER DEPTH **3503**

RECORDER NUMBER **13189**

INITIAL BLOW	GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 1/2 MINUTES
FINAL BLOW	GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES

EXTRA EQUIPMENT

JARS NO	EXTRA PACKER (3RD) NO
SAFETY JOINT YES	EXTRA PACKER (4TH) NO
ELECTRONIC RECORDER YES	STRADDLE NO
CIRCULATING SUB NO	HOOK WALL NO
	SAMPLER NO

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR	STERLING DRILLING RIG #1		
DRILL PIPE LENGTH	2985	DRILL COLLAR LENGTH	487
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	44
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	12.4
		CHLORIDES-PITS	12,500
		CHLORIDES-DST	

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	2655	GAS IN THE PIPE	100	0	0	0
2)	850	CLEAN GASSY OIL GRAVITY 28 CORRECTED	30	70	0	0
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(316) 792-6902

1ST SHUT-IN

State

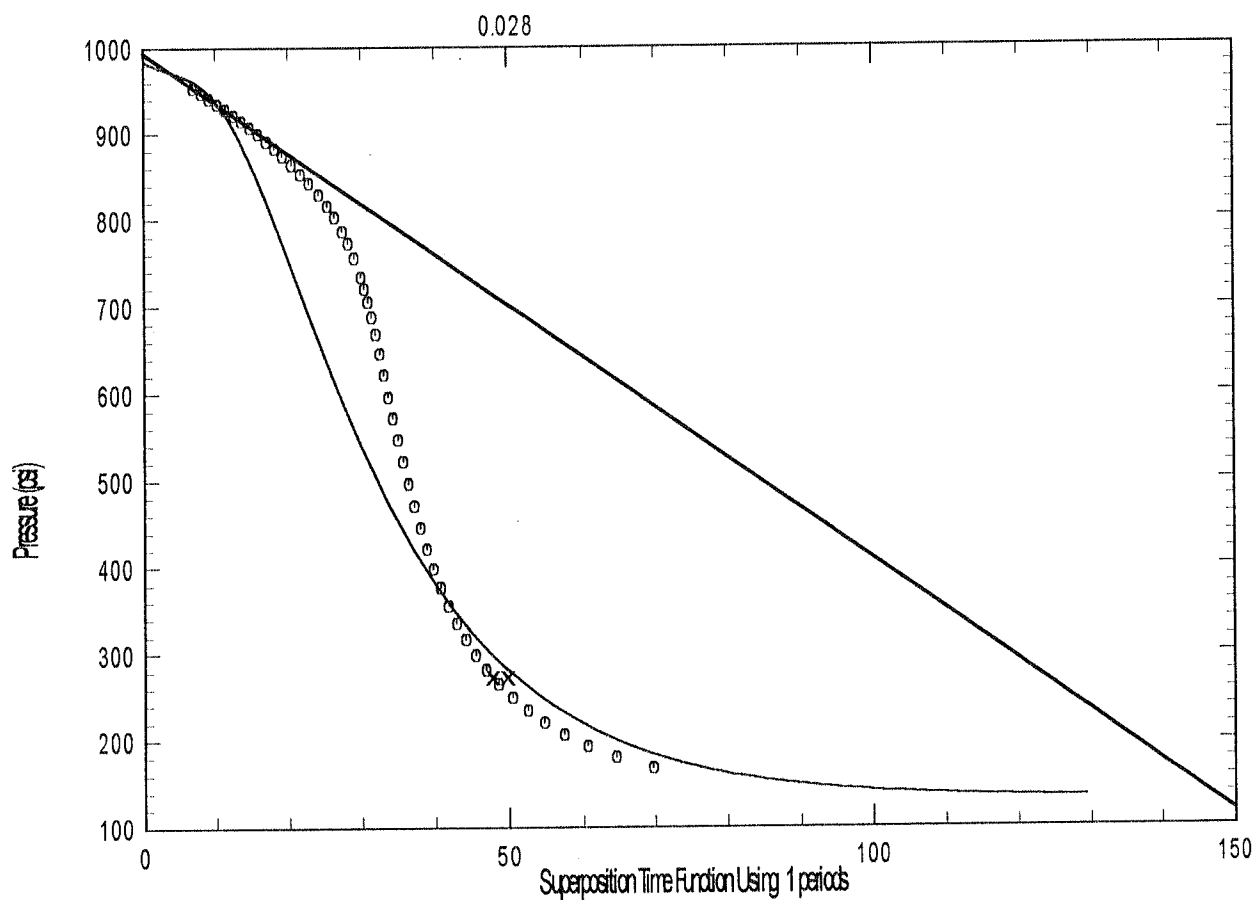
Test Date

County

Sec Town Range

Field

Report Number



MODEL RESULTS

Constant Storage
C1 : 3.000E-4 bbl/psi

Skin Model
Skin : 4.00

Homogeneous
k : 16.798 md
Est Pi: 985.1 psi

No Boundaries

h : 10 ft
mu : 5.477 cp
phi : 18.0%
ct : 1.270E-03 1/psi
rw : 3.208 ft
FVF : 1.10

Field :
County or Parish :
State :

Date Printed: 08/17/01 08:23:27
Analysis Period : End Flow - 05-End 1st Shut-in
Comment : Line #

Superposition Slope -> m' -5.844991
Horner Slope -> m -246.658609
Intercept 994.248
P(dt=1 hr) 958.511
Pwf 132.070
R Sqr 0.9995

k (md) 16.73007
kh (md-ft) 167.30067
k/u (md/cp) 3.05449
kh/uB (md-ft/cp) 27.81869

Skin 3.988
DP Skin 855.779
Total DP 862.178
Percent DP 99.26%

Radius Invest (ft) 4
Radius Time (hrs) 0.96

Delta Q = 42
h (ft)= 10
mu = 5.477
B = 1.098

First Point # 99
Second Point # 300
Start Real Time 0.300
End Real Time 0.957
Start SF Time 15.423

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(316) 792-6902

2ND SHUT-IN

State

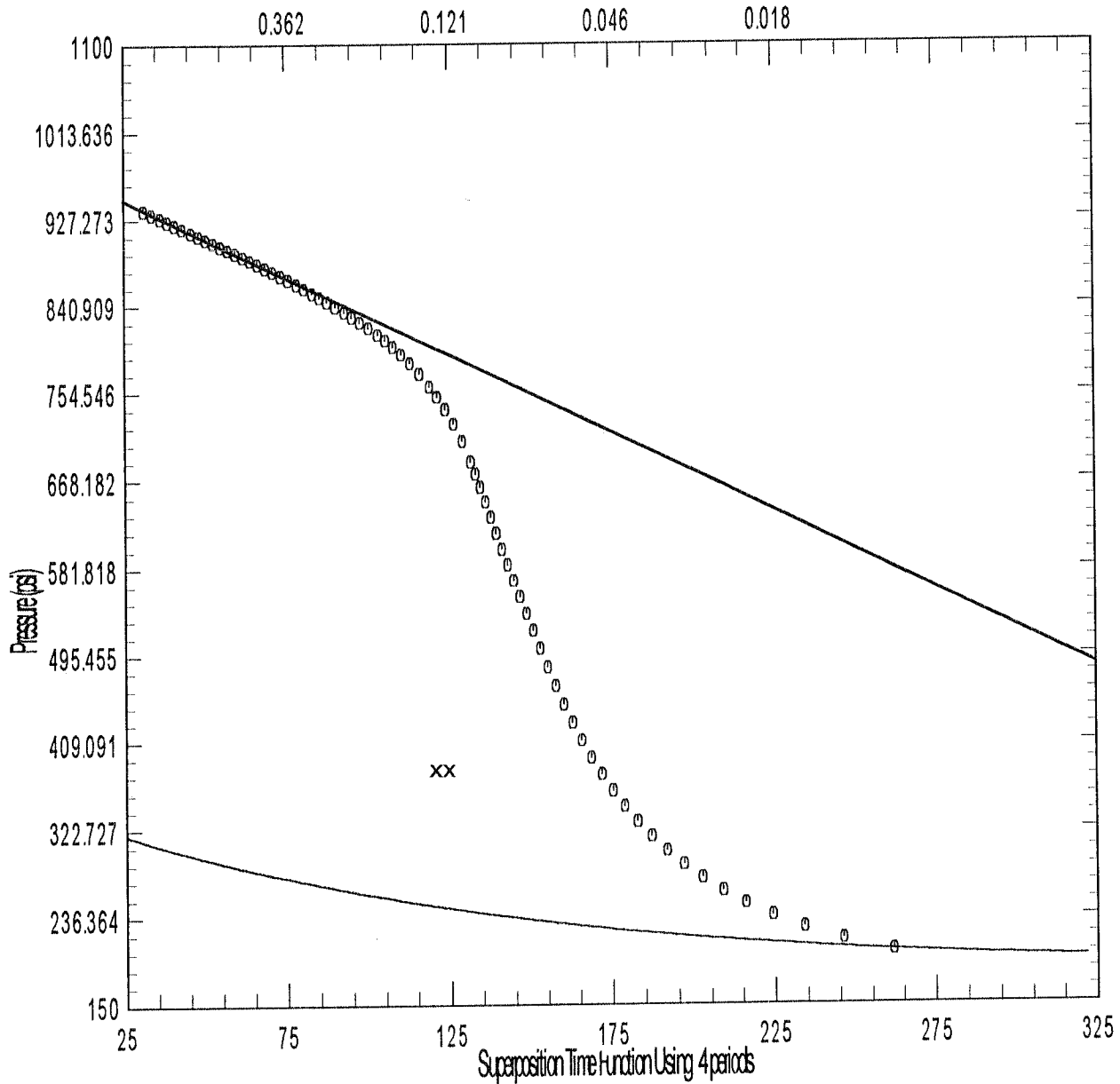
Test Date

County

Sec Town Range

Field

Report Number



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-14-2001 Location N/E 1/4 - 7/16 9-21-14 W Elevation 1941 ft County Shawnee

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

Charts Mailed to 6427 East 9th Ave P.O. Box 780167 Wichita Kansas 67227

Drilling Contractor Steelwing Drilling Rig #1

Length Drill Pipe 3034 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X H

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

Length Drill Collars 487 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X H

Top Packer Depth 3577 Bottom Packer Depth 3542 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3542 TO 3568 ANCHOR LENGTH 26 TOTAL DEPTH 3568 Hole Size 7 7/8

LEASE & WELL NO. HULLETT #1-9 FORMATION TESTED KANSAS CITY TEST NO. 3

Mud Weight 9.7 Viscosity 44 Water Loss 12.4 Chlorides - Pits 12500 D.S.T.

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1793 P.S.I. Final Hydrostatic Pressure (H) 1723 P.S.I.

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

Tool Closed I.C.I.P. from 1:45 A.m to 2:15 A.m 30 min

Tool Open F.F.P. from 2:15 A.m to 2:30 A.m 15 min

Tool Closed F.C.I.P. from 2:30 A.m to 3:00 A.m 30 min

Initial Blow WEAK SURFACE blow for 6 minutes & DIED

Final Blow NO BLOW

Total Feet Recovered 5 Gravity of Oil Corrector

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

Feet of % Gas % Oil % Mud % Water

Remarks

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

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 3561 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 3565 Insurance NONE

Price of Job

Tool Operator Gene Budz

Approved By

NO 12040

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SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DILLING RIG #1**

DRILL PIPE LENGTH **3046**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **487**

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 **9.3**

VISCOSITY **58**

WATER LOSS **16.8**

CHLORIDES-PITS **15000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECEIPTION	% GAS	% OIL	% MUD	% WATER
1)	5	DRILLING MUD WITH A SHOW OF OIL BETWEEN THE TOOLS				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

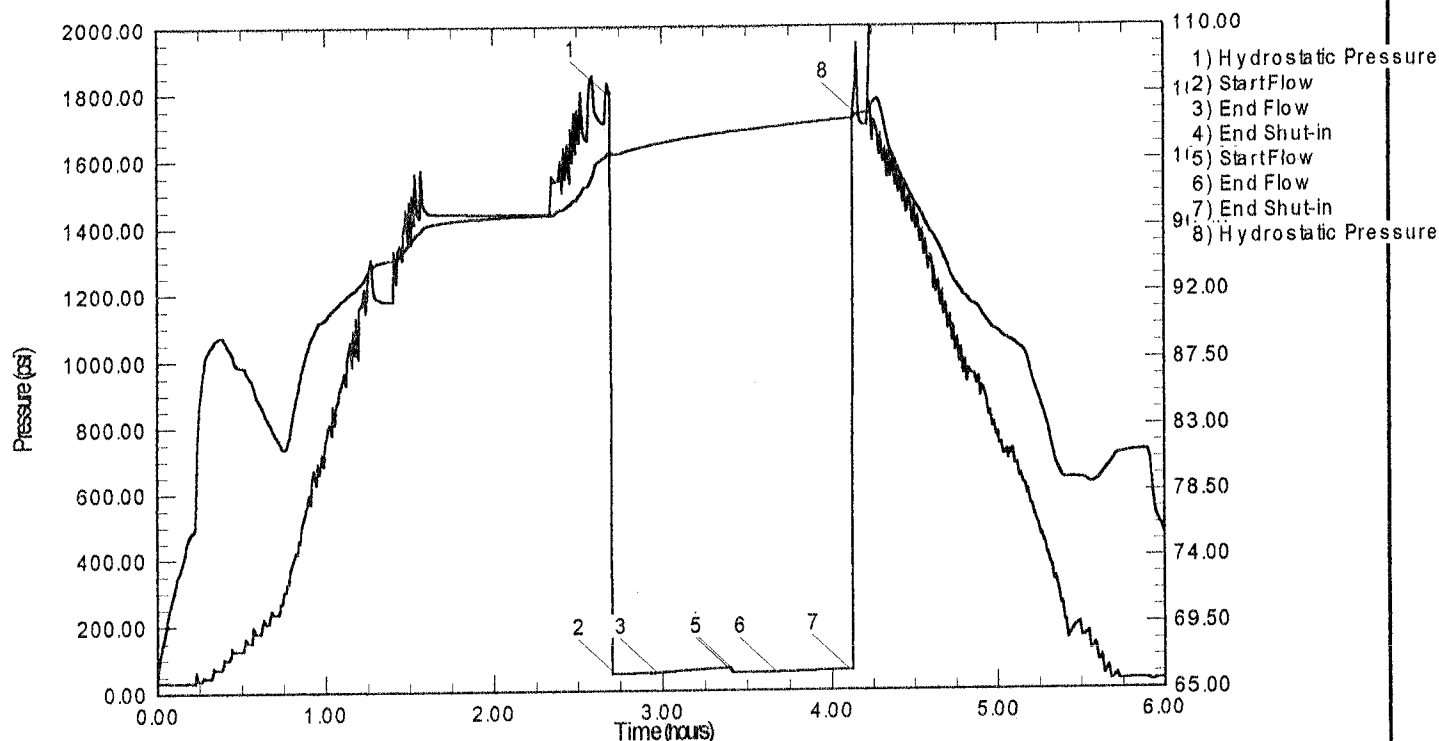
Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date August 14, 2001
Sec Town Range 9-21S-14W
Report Number 12040



Field Reading

(1)	Initial Hydrostatic Pressure	1793
(2)	Initial Flow Pressure	52
(3)	Final Initial Flow Pressure	54
(4)	Initial Shut-In Pressure	68
(5)	Initial Final Flow Pressure	54
(6)	Final Flow Pressure	54
(7)	Final Shut-In Pressure	60
(8)	Final Hydrostatic Pressure	1723

ELECTRONIC RECORDER DEPTH 3561 FT, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F,G, HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	HULLETT #1-9
TEST DATE	8/14/01	FORMATION TESTED	KANSAS CITY
SECTION-TOWN-RANGE	9-21S-14W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	12040
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1941
ELEVATION GROUND LEVEL	1932	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REA		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3542	TOP PACKER DEPTH	3537
TEST INTERVAL (to)	3568	BOTTOM PACKER DEPTH	3542
ANCHOR LENGTH	26	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3568	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

<i>INITIAL OPEN</i>	
TOOL OPEN (from)	1:30
TOOL OPEN (to)	1:45
DURATION (min.)	15
<i>INITIAL SHUT-IN</i>	
TOOL CLOSED (from)	1:45
TOOL CLOSED (to)	2:15
DURATION (min.)	30
<i>FINAL OPEN</i>	
TOOL OPEN (from)	2:15
TOOL OPEN (to)	2:30
DURATION (min.)	15
<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from)	2:30
TOOL CLOSED (to)	3:00
DURATION (min.)	30

PRESSURE READINGS

INITIAL HYDROSTATIC	1793
INITIAL FLOW	52
FINAL INITIAL FLOW	54
INITIAL SHUT-IN	68
INITIAL FINAL FLOW	54
FINAL FLOW	54
FINAL SHUT-IN	60
FINAL HYDROSTATIC	1723
MAXIMUM TEMPERATURE	104
TOP RECORDER DEPTH	3561
RECORDER NUMBER	78225
BOTTOM RECORDER DEPTH	3565
RECORDER NUMBER	13189

INITIAL BLOW

WEAK SURFACE BLOW FOR 6 MINUTES AND DIED

FINAL BLOW

NO BLOW

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-15-01 Location 1/4 Sec 34 9-21-14 Elevation 1932 GL County Stafford

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

Charts Mailed to 6427 East Kellogg P.O. Box 720167 Wichita Kansas 67228-0167

Drilling Contractor Sterling Drilling Rig #1

Length Drill Pipe 3046 I.D. Drill Pipe 3-80 Tool Joint Size 4 1/2" X 11

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

Length Drill Collars 487 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11

Top Packer Depth 3549 Bottom Packer Depth 3554 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3554 TO 3610 ANCHOR LENGTH 56 TOTAL DEPTH 3610 Hole Size 7 7/8"

EASE & WELL NO. HULLER #1-9 FORMATION TESTED Viola TEST NO. 4

Mud Weight 9.31 Viscosity 58 Water Loss 100 Chlorides - Pits 15,000 D.S.T. _____

Maximum Temp. 102 °F Initial Hydrostatic Pressure (A) 1731 P.S.I. Final Hydrostatic Pressure (H) 1732 P.S.I.

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

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

Tool Open F.F.P. from 4:45 p.m. to 5:00 p.m. 15 min

Tool Closed F.C.I.P. from 5:00 p.m. to 5:30 p.m. 30 min

Initial Blow WEAK blow for 5 minutes & D.O.D

Final Blow NO blow

Total Feet Recovered 5 Gravity of Oil _____ Corrected _____

5 Feet of Drilling Mud with a show of oil % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of Between the tools % Gas _____ % Oil _____ % Mud _____ % Water _____

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

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

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. 78225 Clock No. RECHARGE Depth 3604 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 4744 Depth 3607 Insurance NONE

Price of Job _____

Tool Operator Don Budig

Approved By _____

NO 12041

from [B] 67 P.S.I. to [C] 69 P.S.I.
[D] 107 P.S.I.
from [E] 70 P.S.I. to [F] 71 P.S.I.
[G] 85 P.S.I.

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, 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

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #1**

DRILL PIPE LENGTH **3154**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **447**

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 **45**

WATER LOSS **10.4**

CHLORIDES-PITS **19000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECRPTION	% GAS	% OIL	% MUD	% WATER
1)	5	DRILLING MUD				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

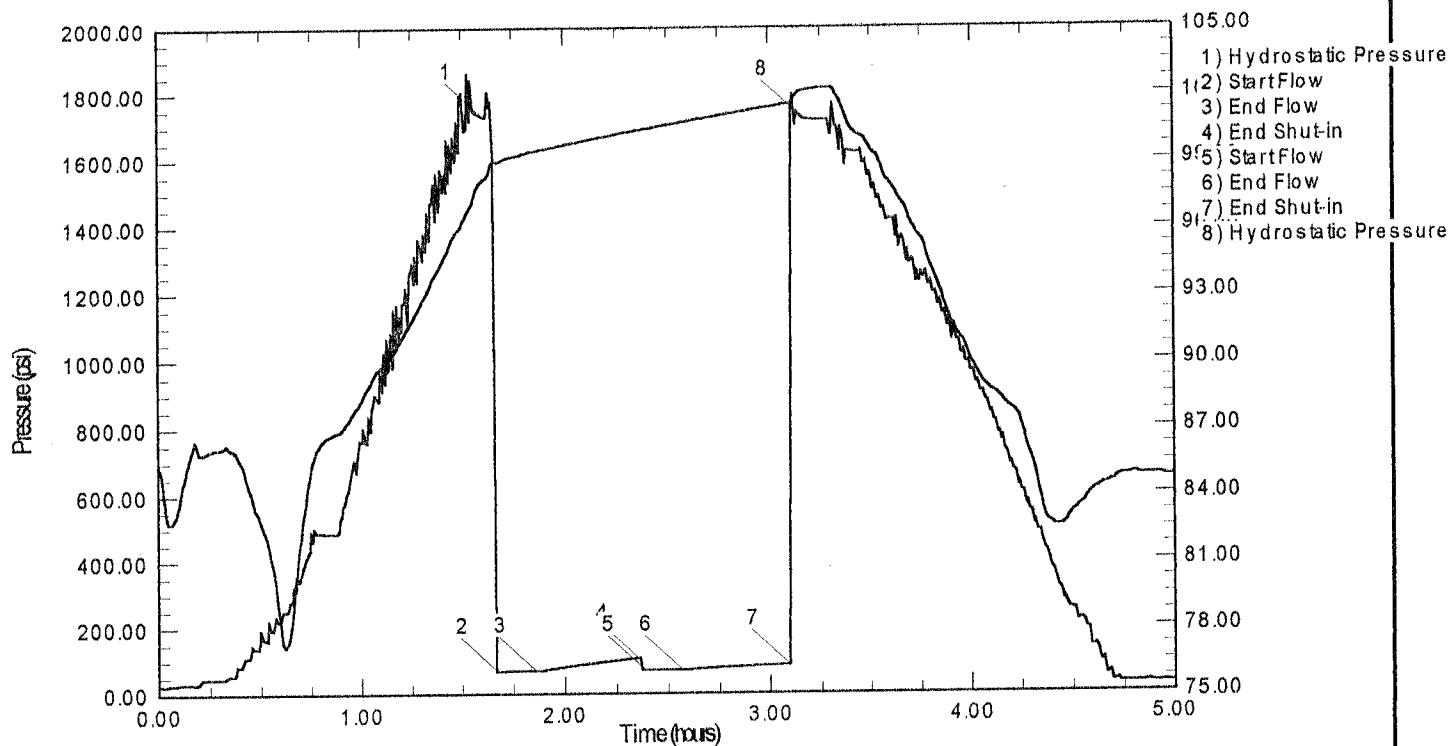
Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date August 15, 2001
Sec Town Range 9-21S-14W
Report Number 12041



Field Reading

(1)	Initial Hydrostatic Pressure	1731
(2)	Initial Flow Pressure	67
(3)	Final Initial Flow Pressure	69
(4)	Initial Shut-In Pressure	107
(5)	Initial Final Flow Pressure	70
(6)	Final Flow Pressure	71
(7)	Final Shut-In Pressure	85
(8)	Final Hydrostatic Pressure	1732

ELECTRONIC RECORDER DEPTH 3604 FT, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	HULLETT #1-9
TEST DATE	8/15/01	FORMATION TESTED	VIOLA
SECTION-TOWN-RANGE	9-21S-14W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	12041
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1941
ELEVATION GROUND LEVEL	1932	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REA		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3554	TOP PACKER DEPTH	3549
TEST INTERVAL (to)	3610	BOTTOM PACKER DEPTH	3554
ANCHOR LENGTH	56	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3610	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

INITIAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

FINAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

FINAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

PRESSURE READINGS

INITIAL HYDROSTATIC

INITIAL FLOW

FINAL INITIAL FLOW

INITIAL SHUT-IN

INITIAL FINAL FLOW

FINAL FLOW

FINAL SHUT-IN

FINAL HYDROSTATIC

MAXIMUM TEMPERATURE

TOP RECORDER DEPTH

RECORDER NUMBER

BOTTOM RECORDER DEPTH

RECORDER NUMBER

INITIAL BLOW

WEAK BLOW FOR 5 MINUTES AND DIED

FINAL BLOW

NO BLOW

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-16-2000 Location N 1/2 S 1/2 W 9-25-14 W Elevation 1941 KB County Stafford

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

Charts Mailed to 6427 East HELL066 P.O. Box 780167 Wichita Kansas 67278-0167

Drilling Contractor Sterling Drilling Rio #1

Length Drill Pipe 3132 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11

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

Length Drill Collars 447 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11

Top Packer Depth 3595 Bottom Packer Depth 3600 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3600 TO 3637 ANCHOR LENGTH 37 TOTAL DEPTH 3637 Hole Size 7 7/8"

LEASE & WELL NO. Hullett #1-9 FORMATION TESTED Simpson TEST NO. 05

Mud Weight 9.11 Viscosity 45 Water Loss 10.4 Chlorides - Pits 19000 D.S.T. _____

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

Tool Open I.F.P. from 6:20 A m to _____ m _____ min

Tool Closed I.C.I.P. from _____ m to _____ m _____ min

Tool Open F.F.P. from _____ m to _____ m _____ min

Tool Closed F.C.I.P. from _____ m to _____ m _____ min

Initial Blow _____

Final Blow _____

Total Feet Recovered _____ Gravity of Oil _____ Corrected _____

Feet of Miss Run Packer Failure _____ % Gas _____ % Oil _____ % Mud _____ % Water

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

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

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

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

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

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

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. 78225 Clock No. Electronic Depth 3629 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47442 Depth 3633 Insurance NONE

Price of Job _____

Tool Operator Deen Budrig

Approved By _____

No. 12042

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.

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. HULLETT #1-9 Test #: 5 Date: 8-16-2001 SEC. 9 TWP. 21S
RGE. 14W

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date August 16, 2001
Sec Town Range 9-21S-14W
Report Number 12042

Field Reading

- (1) Initial Hydrostatic Pressure
- (2) Initial Flow Pressure
- (3) Final Initial Flow Pressure
- (4) Initial Shut-In Pressure
- (5) Initial Final Flow Pressure
- (6) Final Flow Pressure
- (7) Final Shut-In Pressure
- (8) Final Hydrostatic Pressure

**MISS RUN
PAKER FAILURE**

ELECTRONIC RECORDER DEPTH FT, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	HULLETT #1-9
TEST DATE	8/16/01	FORMATION TESTED	SIMPSON
SECTION-TOWN-RANGE	9-21S-14W	DRILL STEM TEST NUMBER	5
STATE	KANSAS	REPORT NUMBER	12042
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1941
ELEVATION GROUND LEVEL	1932	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REA		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3600	TOP PACKER DEPTH	3595
TEST INTERVAL (to)	3637	BOTTOM PACKER DEPTH	3600
ANCHOR LENGTH	37	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3637	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN	
TOOL OPEN (from)	6:20
TOOL OPEN (to)	
DURATION (min.)	
INITIAL SHUT-IN	
TOOL CLOSED (from)	0:00
TOOL CLOSED (to)	
DURATION (min.)	
FINAL OPEN	
TOOL OPEN (from)	0:00
TOOL OPEN (to)	
DURATION (min.)	
FINAL SHUT-IN	
TOOL CLOSED (from)	0:00
TOOL CLOSED (to)	
DURATION (min.)	

PRESSURE READINGS

INITIAL HYDROSTATIC	
INITIAL FLOW	
FINAL INITIAL FLOW	
INITIAL SHUT-IN	
INITIAL FINAL FLOW	
FINAL FLOW	
FINAL SHUT-IN	
FINAL HYDROSTATIC	
MAXIMUM TEMPERATURE	
TOP RECORDER DEPTH	
RECORDER NUMBER	78225
BOTTOM RECORDER DEPTH	
RECORDER NUMBER	13189

INITIAL BLOW

MISS RUN PACKER FAILURE

FINAL BLOW

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #1**

DRILL PIPE LENGTH **3132**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **447**

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 **45**

WATER LOSS **10.4**

CHLORIDES-PITS **19000**

CHLORIDES-DST

FEET OF RECOVERY	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 350	DRILLING MUD				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
	TOTAL RECOVERY				

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-16-2001 Location N-E-S-W 9-21-14 Elevation 1944 K.B. County Shelford
Company F.G. Holl Company L.L.C. Number of Copies 5
Charts Mailed to 6427 East Kellogg P.O. Box 780167 Wichita Kansas 67278-0167
Drilling Contractor Sterling Drilling Rig #1
Length Drill Pipe 3154 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11
Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE
Length Drill Collars 447 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11
Top Packer Depth 3607 Bottom Packer Depth 3622 Number of Packers 2 Packer Size 6 3/4"
TESTED FROM 3622 TO 3637 ANCHOR LENGTH 15 TOTAL DEPTH 3637 Hole Size 7 7/8"
LEASE & WELL NO. Hollen #1-9 FORMATION TESTED Simpson TEST NO. 6
Mud Weight 9.1 Viscosity 45 Water Loss 10.4 Chlorides - Pits 1900 D.S.T. _____
Maximum Temp. 106 °F Initial Hydrostatic Pressure (A) 1830 P.S.I. Final Hydrostatic Pressure (H) 1752 P.S.I.

Tool Open I.F.P. from 11:00 A to 11:15 A 15 min
Tool Closed I.C.I.P. from 11:15 A to 11:45 A 30 min
Tool Open F.F.P. from 11:45 A to 12:00 P 15 min
Tool Closed F.C.I.P. from 12:00 P to 12:30 P 30 min
Initial Blow WEAK Blow for 15 minutes & DIED

from [B] <u>53</u> P.S.I. to [C] <u>52</u> P.S.I.
[D] <u>56</u> P.S.I.
from [E] <u>51</u> P.S.I. to [F] <u>52</u> P.S.I.
[G] <u>53</u> P.S.I.

Final Blow no blow
Total Feet Recovered 5 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 NONE Safety Joint yes Extra Packer NONE Straddle NONE Hook Wall NONE
Top Recorder No. 78225 Clock No. Electronic Depth 3629 Cir. Sub NONE Sampler NONE
Bottom Recorder No. 5463 Clock No. 47442 Depth 3633 Insurance NONE

Price of Job _____

Tool Operator Don Buldy

Approved By _____

NO 12043

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.

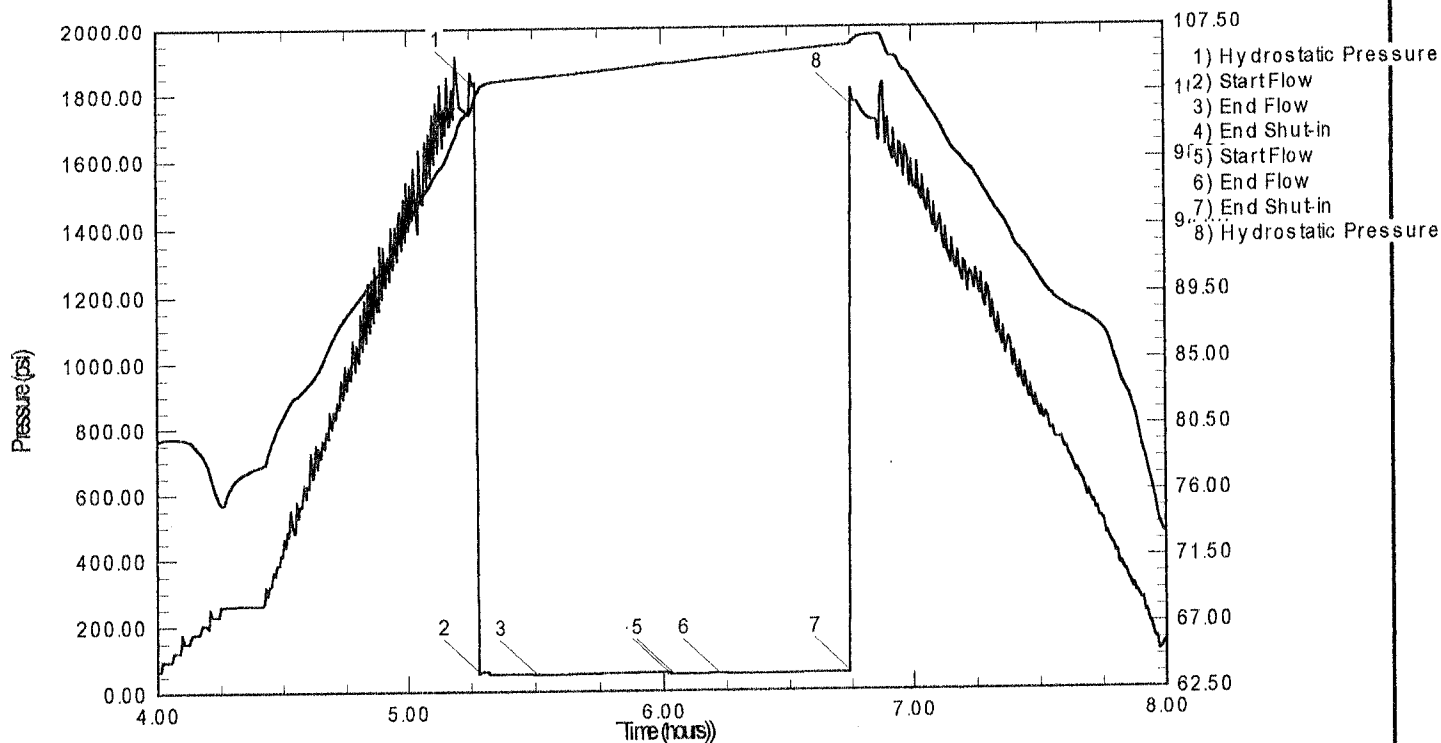
Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date August 16, 2001
Sec Town Range 9-21S-14W
Report Number 12043



Field Reading

(1)	Initial Hydrostatic Pressure	1830
(2)	Initial Flow Pressure	52
(3)	Final Initial Flow Pressure	52
(4)	Initial Shut-In Pressure	56
(5)	Initial Final Flow Pressure	51
(6)	Final Flow Pressure	52
(7)	Final Shut-In Pressure	53
(8)	Final Hydrostatic Pressure	1752

ELECTRONIC RECORDER DEPTH 3629 FT, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	HULLETT #1-9
TEST DATE	8/16/01	FORMATION TESTED	SIMPSON
SECTION-TOWN-RANGE	9-21S-14W	DRILL STEM TEST NUMBER	6
STATE	KANSAS	REPORT NUMBER	12043
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1941
ELEVATION GROUND LEVEL	1932	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REA		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3622	TOP PACKER DEPTH	3617
TEST INTERVAL (to)	3637	BOTTOM PACKER DEPTH	3622
ANCHOR LENGTH	15	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3637	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	11:00
TOOL OPEN (to)	11:15
DURATION (min.)	15

INITIAL SHUT-IN

TOOL CLOSED (from)	11:15
TOOL CLOSED (to)	11:45
DURATION (min.)	30

FINAL OPEN

TOOL OPEN (from)	11:45
TOOL OPEN (to)	12:00
DURATION (min.)	15

FINAL SHUT-IN

TOOL CLOSED (from)	12:00
TOOL CLOSED (to)	12:30
DURATION (min.)	30

PRESSURE READINGS

INITIAL HYDROSTATIC	1830
INITIAL FLOW	55
FINAL INITIAL FLOW	52
INITIAL SHUT-IN	56
INITIAL FINAL FLOW	51
FINAL FLOW	52
FINAL SHUT-IN	53
FINAL HYDROSTATIC	1752
MAXIMUM TEMPERATURE	106
TOP RECORDER DEPTH	3629
RECORDER NUMBER	78225
BOTTOM RECORDER DEPTH	3633
RECORDER NUMBER	13189

INITIAL BLOW

WEAK BLOW FOR 5 MINUTES AND DIED

FINAL BLOW

NO BLOW

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-17-2001 Location N/E 1/4 1/4 - 9-25-14W Elevation 1941 K.B. County Stafford
19326L

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

Tests Mailed to 6427 East Kellogg P.O. Box 700167 Wichita, Kansas 67278-0167

Drilling Contractor Sterling Drilling Rig #1

Length Drill Pipe 3190 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

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

Length Drill Collars 447 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Packer Depth 3659 Bottom Packer Depth 3664 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3664 TO 3670 ANCHOR LENGTH 6 TOTAL DEPTH 3670 Hole Size 7 7/8

Case & Well No. Hullett #1-9 FORMATION TESTED Arbuckle TEST NO. 7

Fluid Weight 9.1 Viscosity 45 Water Loss 10.4 Chlorides - Pits 19000 D.S.T. 22000

Maximum Temp. 114 °F Initial Hydrostatic Pressure (A) 1828 P.S.I. Final Hydrostatic Pressure (H) 1732 P.S.I.

Open I.F.P. from 3:00 A.M. to 3:15 A.M. 15 min

Closed I.C.I.P. from 3:15 A.M. to 3:45 A.M. 30 min

Open F.F.P. from 3:45 A.M. to 4:00 A.M. 15 min

Closed F.C.I.P. from 4:00 A.M. to 4:30 A.M. 30 min

Initial Blow Good blow built to the bottom of a 5 Gallon bucket in 3 minutes

Final Blow Good blow built to the bottom of a 5 Gallon bucket in 3 minutes

Actual Feet Recovered 1400 Gravity of Oil _____ Corrected _____

1400 Feet of Salt water 22000 Chlorides % Gas _____ % Oil _____ % Mud _____ % Water _____

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

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

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

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. Electronic Clock No. 78225 Depth 3650 Cir. Sub NONE Sampler NONE

Bottom Recorder No. _____ Clock No. _____ Depth 3650 Insurance NONE

Title of Job _____

Tool Operator Sam Buley

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.

No 12044

SUPERIOR TESTERS ENTERPRISES INC.

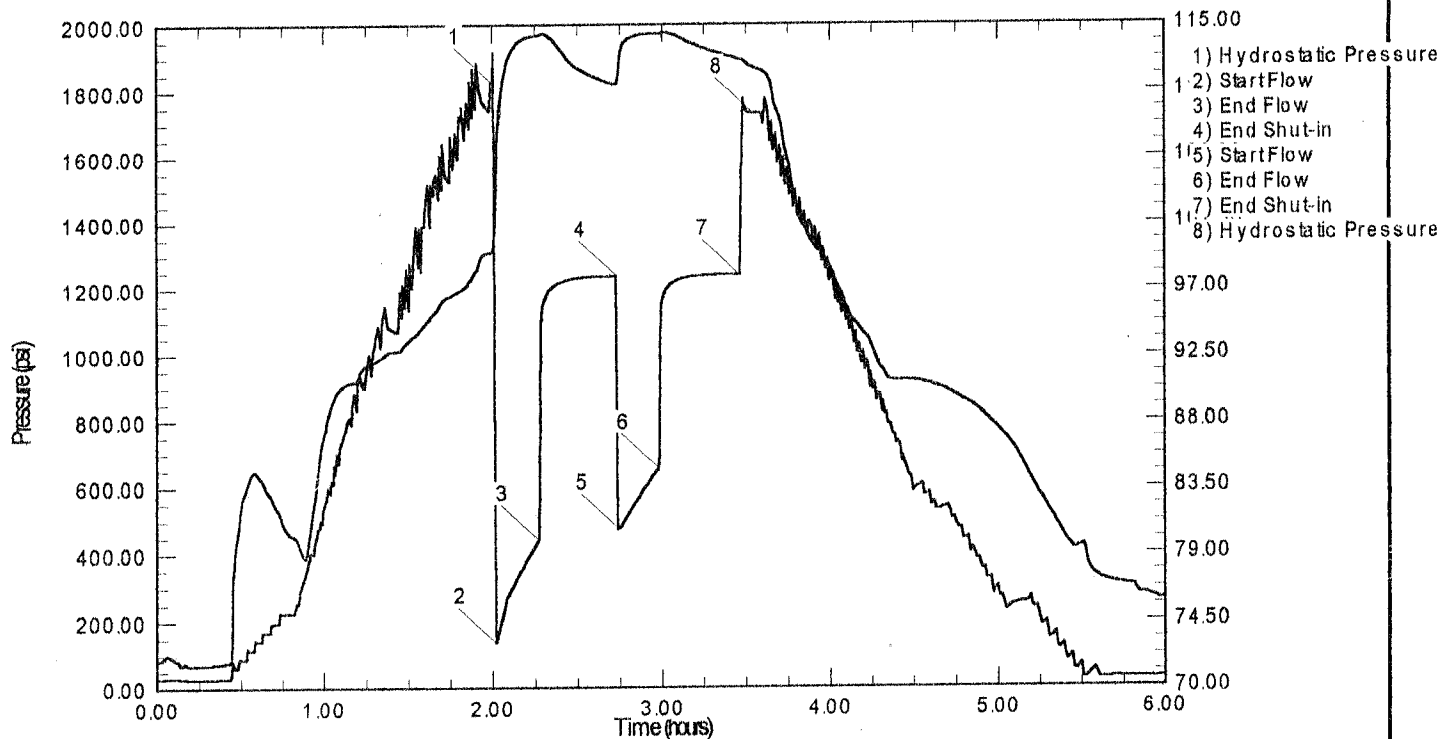
Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
 County STAFFORD
 Field

Test Date August 17, 2001
 Sec Town Range 9-21S-14W
 Report Number 12044



Field Reading

(1)	Initial Hydrostatic Pressure	1832
(2)	Initial Flow Pressure	138
(3)	Final Initial Flow Pressure	443
(4)	Initial Shut-In Pressure	1241
(5)	Initial Final Flow Pressure	476
(6)	Final Flow Pressure	657
(7)	Final Shut-In Pressure	1243
(8)	Final Hydrostatic Pressure	1732

ELECTRONIC RECORDER DEPTH 3650 FT, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	HULLETT #1-9
TEST DATE	8/17/01	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	9-21S-14W	DRILL STEM TEST NUMBER	7
STATE	KANSAS	REPORT NUMBER	12044
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1941
ELEVATION GROUND LEVEL	1932	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REA		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3664	TOP PACKER DEPTH	3659
TEST INTERVAL (to)	3670	BOTTOM PACKER DEPTH	3664
ANCHOR LENGTH	6	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3670	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

INITIAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

FINAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

FINAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

PRESSURE READINGS

INITIAL HYDROSTATIC

INITIAL FLOW

FINAL INITIAL FLOW

INITIAL SHUT-IN

INITIAL FINAL FLOW

FINAL FLOW

FINAL SHUT-IN

FINAL HYDROSTATIC

MAXIMUM TEMPERATURE

TOP RECORDER DEPTH

RECORDER NUMBER

BOTTOM RECORDER DEPTH

RECORDER NUMBER

INITIAL BLOW

GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES

FINAL BLOW

GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING**

DRILL PIPE LENGTH **2894**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **487**

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 **9.2**

VISCOSITY **44**

WATER LOSS **8.8**

CHLORIDES-PITS **7000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECRPTION	% GAS	% OIL	% MUD	% WATER
1)	10	DRILLING MUD				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #1**

DRILL PIPE LENGTH **3190**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **447**

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 **45**

WATER LOSS **10.4**

CHLORIDES-PITS **19000**

CHLORIDES-DST **22000**

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	1400	SALT WATER CHLORIDES 22000				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
TOTAL RECOVERY						

COMMENTS