

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 11-22-1997 Location C 1/2 - N 1/2 - E 1/4 10-21-11W Elevation 1989 Kib County Stafford
Company F.G. Hall Company Inc. Number of Copies 5

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

Drilling Contractor Sterling Drilling Rig #4

Length Drill Pipe 1158 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 423 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 1695 Bottom Packer Depth 1600 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 1600 TO 1630 ANCHOR LENGTH 30 TOTAL DEPTH 1630 Hole Size 7 7/8"

LEASE & WELL NO. FAIR "A" #1-10 FORMATION TESTED TOWANDA TEST NO. 1

Mud Weight 8.4 Viscosity 39 Water Loss 8.4 Chlorides - Pits 5000 D.S.T. 28000

Maximum Temp. 77 °F Initial Hydrostatic Pressure (A) 778 P.S.I. Final Hydrostatic Pressure (H) 768 P.S.I.

Tool Open I.F.P. from 11:00 A.M. to 11:30 P.M. 30 min

Tool Closed I.C.I.P. from 11:30 P.M. to 12:15 P.M. 45 min

Tool Open F.F.P. from NONE m to TAKEN m 0 min

Tool Closed F.C.I.P. from NONE m to TAKEN m 0 min

Initial Blow WEAK building blow built to 9 inches into the water

Final Blow NONE TAKEN

Total Feet Recovered 200 Gravity of Oil _____ Corrected

200 Feet of Muddy water % Gas _____ % Oil _____ % Mud _____ % Water _____

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 1623 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 1627 Insurance NONE

Price of Job _____

Tool Operator Steve Budig

Approved By _____

NO 11662

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 INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

FAIR "A" #1-10 TOWANDA

State KANSAS

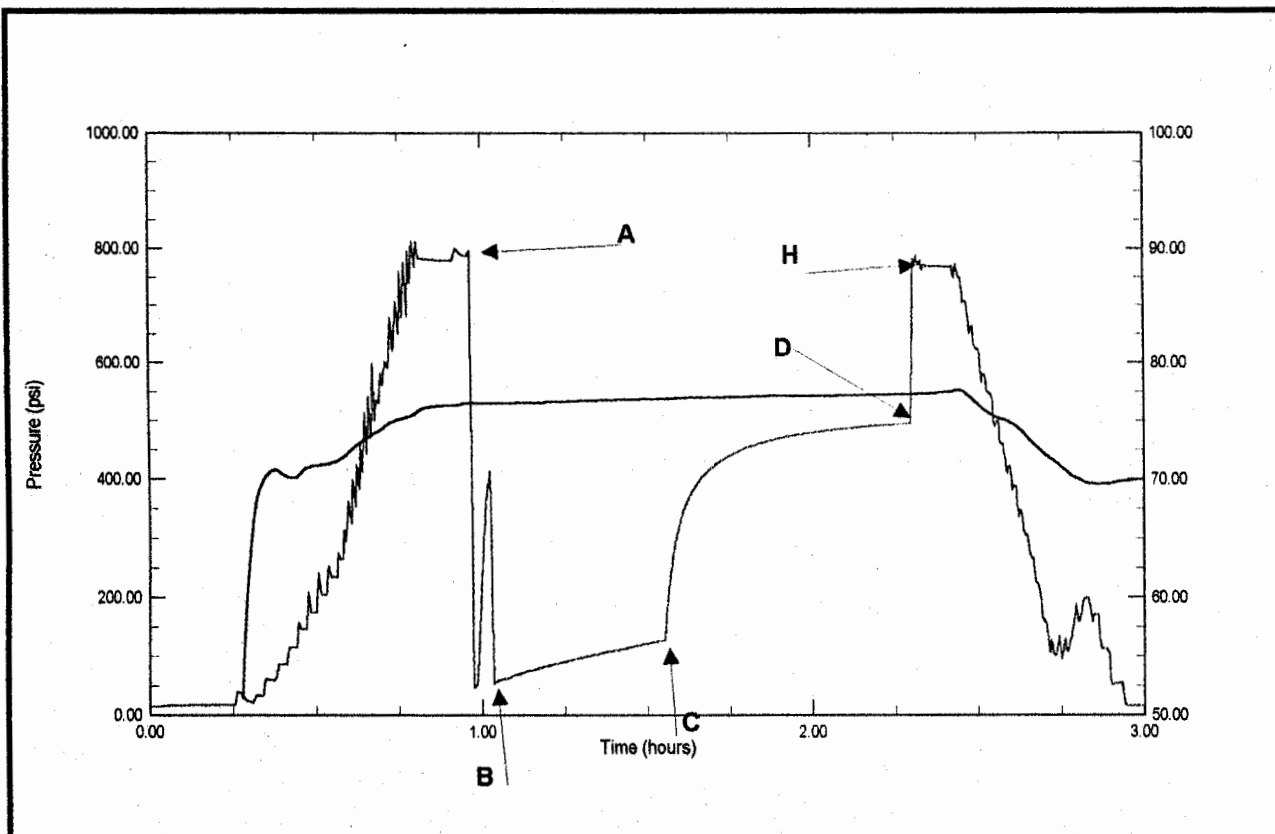
Test Date November 22, 1997

County

Sec Town Range C N/2-N/W-N/E 10-21

Field

Report Number 11662



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	778	psi
(B)	Initial Flow Pressure	50	psi
(C)	Final Initial Flow Pressure	130	psi
(D)	Initial Shut-In Pressure	495	psi
(E)	Initial Final Flow Pressure	NONE TAKEN	psi
(F)	Final Flow Pressure	NONE TAKEN	psi
(G)	Final Shut-In Pressure	NONE TAKEN	psi
(H)	Final Hydrostatic Pressure	768	psi

ELECTRONIC REECORDER DEPTH1623ft,RECORDER NUMBER78225

Company: F C HOLL COMPANY L.L.C. Lease & Well No. FAIR "A" #1-10 Test #: 1 Date: 11-22-1997
SEC. 10 TWP. 21S RGE. 11W 15-185-23067

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name F G HOLL COMPANY L.L.C.
Lease and Well Number FAIR "A" #1-10
Formation Tested TOWANDA
Test Number 1
State KANSAS
County STAFFORD
Field
Test Date 22-Nov-97
Section Town Range C N/2-N/W-N/E 10-21S-11W
Report Number 11662
Elevation Ground Level 1980
Elevation Kelly Bushings 1989
Company Representative WAYNE KIRKMAN
Testing Engineer GENE BUDIG

Extra Equipment

Jars NO
Safety Joint NO
Extra Packs No
Straddle No
Hook Wall No
Sampler No
Circulating Sub No
Electronic Recorder YES

Well Information

Drilling Contractor STERLING DRILLING RIG #4

Drill Pipe Length 1158
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length 423
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 8.60
Viscosity 39.00
Water Loss 8
Chlorides - Pits 5,000
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Tool Setting Information

Top Packer Depth 1595
Bottom packer Depth 1600
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 1600
Test Interval (to) 1630.00
Anchor Length 30
Total Depth (ft) 1630
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	77	
Initial Hydrostatic Pressure	778	
Initial Flow Pressure	50	
Final Initial Flow Pressure	130	
Initial Shut-In Pressure	495	
Initial Final Flow Pressure	NONE TAKEN	
Final Flow Pressure	NONE TAKEN	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	768	
Electronic Recorder Depth	1623	
Recorder Number	78225	
Mechanical Recorder Depth	1627]	
Recorder Number	5463	

Comments

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Flow Times

Initial Open

Tool Open (from) 11:00
 Tool Open (to) 11:30
 Duration (min) 30

Initial Shut-in

Tool Closed (from) 11:30
 Tool Closed (to) 12:15
 Duration (min) 45

Final Open

Tool Open (from) NONE
 Tool Open (to) TAKEN
 Duration (min) 0

Final Shut-in

Tool Closed (from) NONE
 Tool Closed (to) TAKEN
 Duration (min) 0

Recovery Description

Initial Blow WEAK BUILDING BLOW BUILT TO 9 INCHES INTO THE WATER

Final Blow NONE TAKEN

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) MUDDY WATER CHLORIDES 28000	200				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	200				