

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

1793K5

Date 1-8-1998 Location 337 1254 77th Ave 1/2-1/2 NW 10-21-11 Elevation 1784G County Stafford

Company F.G. Hall Company Ltd. 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 1707 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 545 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X. 11

Top Packer Depth 2262 Bottom Packer Depth 2267 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2267 TO 2310 ANCHOR LENGTH 43 TOTAL DEPTH 2310 Hole Size 7 1/8"

LEASE & WELL NO. SLEEPER TRUST #1-10 FORMATION TESTED LANGDON SAND TEST NO. 2

Mud Weight 8.9 Viscosity 45 Water Loss 8 1/2 Chlorides - Pits 4000 D.S.T. \_\_\_\_\_

Maximum Temp. 87 °F Initial Hydrostatic Pressure (A) 1204 P.S.I. Final Hydrostatic Pressure (H) 1195 P.S.I.

Tool Open I.F.P. from 6:30 a.m. to 6:45 a.m. 15 min

Tool Closed I.C.I.P. from 6:45 a.m. to 7:15 a.m. 30 min

Tool Open F.F.P. from 7:35 a.m. to 7:30 a.m. 15 min

Tool Closed F.C.I.P. from 9:30 a.m. to 8:00 a.m. 30 min

Initial Blow WEAK building blow built to 1 1/2 inches

Final Blow WEAK building blow built to 1 1/2 inches

Total Feet Recovered 65 Gravity of Oil \_\_\_\_\_ Corrected

65 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 \_\_\_\_\_

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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 YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. \_\_\_\_\_ Clock No. \_\_\_\_\_ Depth 2304 Cir. Sub NONE Sampler NONE

Bottom Recorder No. \_\_\_\_\_ Clock No. \_\_\_\_\_ Depth 2307 Insurance NONE

Price of Job \_\_\_\_\_

Tool Operator Gene Buldy

Approved By \_\_\_\_\_

No 11603

from [B] <u>195</u> P.S.I. to [C] <u>166</u> P.S.I.
[D] <u>753</u> P.S.I.
from [E] <u>136</u> P.S.I. to [F] <u>87</u> P.S.I.
[G] <u>667</u> P.S.I.

RECEIVED  
KANSAS CORPORATION COMMISSION

AUG 05 1998

CONSERVATION DIVISION  
WICHITA, KS

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

**SLEEPER TRUST #1-10 LANGDON SAND**

State ..... KANSAS

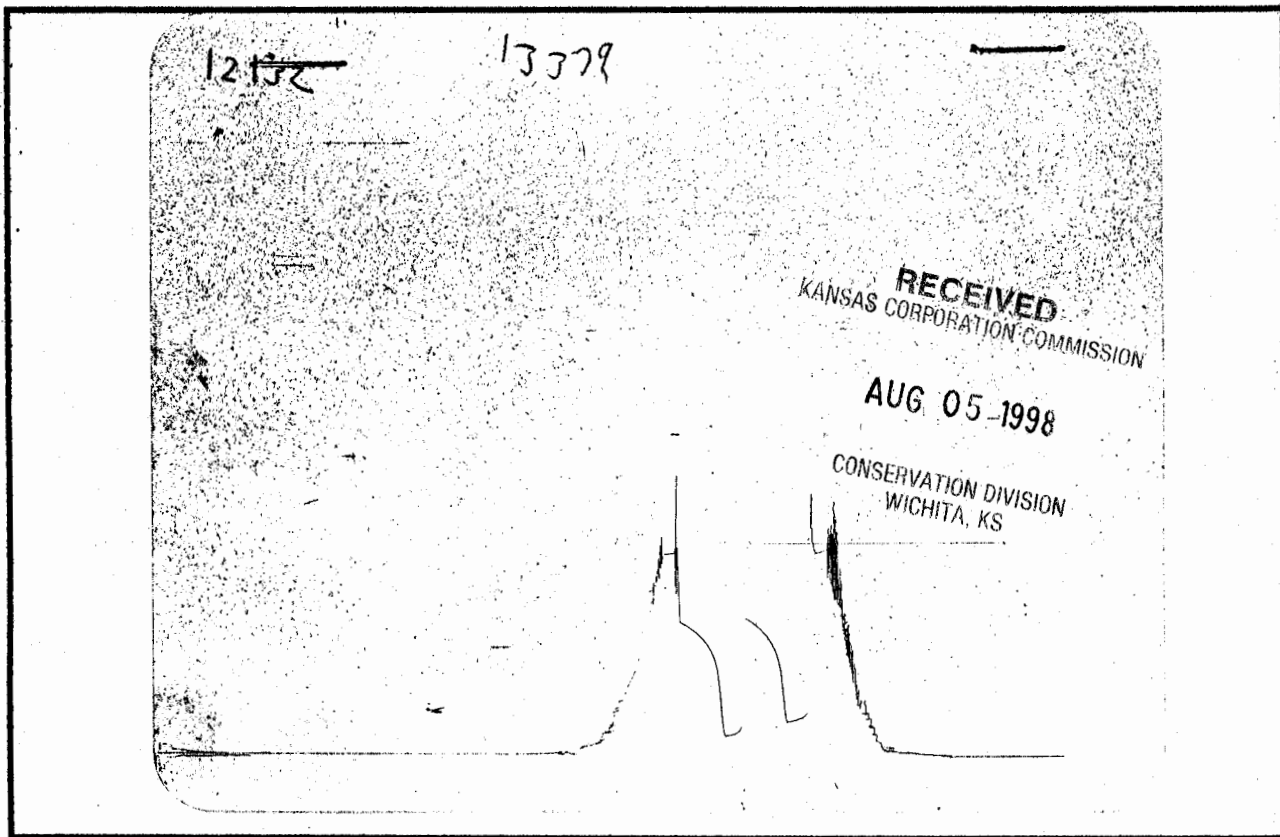
Test Date ..... January 8, 1998

County .....

Sec Town Range ..... 330 FNL 1250 FWL N/

Field .....

Report Number ..... 11603



**Field Reading**

**Office Reading**

	Field Reading	Office Reading	
(A)	Initial Hydrostatic Pressure	1204	1073 psi
(B)	Initial Flow Pressure	195	293 psi
(C)	Final Initial Flow Pressure	166	238 psi
(D)	Initial Shut-In Pressure	753	770 psi
(E)	Initial Final Flow Pressure	136	219 psi
(F)	Final Flow Pressure	87	183 psi
(G)	Final Shut-In Pressure	667	632 psi
(H)	Final Hydrostatic Pressure	1195	1055 psi

**ELECTRONIC REECORDER DEPTH2304ft,RECORDER NUMBER13561**

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. SLEEPER TRUST #1-10 Test #: 2 Date: 1-8-97  
 SEC. 10 TWP. 21S RGE. 11W 15-185-23070

# **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 ..... SLEEPER TRUST #1-10  
Formation Tested ..... LANGDON SAND  
Test Number ..... 2  
State ..... KANSAS  
County ..... STAFFOD  
Field .....  
Test Date ..... 8-Jan-98  
Section Town Range ..... 330 FNL 1250 FWL N/2 N/2 N/W 10-21S-11W  
Report Number ..... 11603  
Elevation Ground Level ..... 1784  
Elevation Kelly Bushings ..... 1793  
Company Representative ..... FRANK GREENBAUM  
Testing Engineer ..... GENE BUDIG

### **Extra Equipment**

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

### **Well Information**

Drilling Contractor ..... STERLING DRILLING RIG #4  
  
Drill Pipe Length ..... 1707  
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 ..... 545  
Drill Collar I.D. .... 2.25  
Tool Joint Size ..... 4 1/2 X.H.  
  
Mud Weight #/gal ..... 8.90  
Viscosity ..... 45.00  
Water Loss ..... 8.4  
Chlorides - Pits ..... 4,000  
Chlorides - DST .....

# **SUPERIOR TESTERS ENTERPRISES INC.**

## **DRILL STEM TEST REPORT**

**GREAT BEND, KANSAS (316)792-6902**

### **Tool Setting Information**

Top Packer Depth ..... 2262  
Bottom packer Depth ..... 2267  
Number of Packers ..... 2  
Packer Size ..... 6 3/4

Test Interval (from ) ..... 2267  
Test Interval (to) ..... 2310.00  
Anchor Length ..... 43  
Total Depth (ft) ..... 2310  
Hole Size (in) ..... 7 7/8

### **Pressure Readings**

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp ..... 87		
Initial Hydrostatic Pressure ..... 1204		1073
Initial Flow Pressure ..... 195		293
Final Initial Flow Pressure ..... 166		238
Initial Shut-In Pressure ..... 753		770
Initial Final Flow Pressure ..... 136		219
Final Flow Pressure ..... 87		183
Final Shut-In Pressure ..... 667		632
Final Hydrostatic Pressure ..... 1195		1055
MECHANICAL RECORDER DEPTH ..... 2304		
Recorder Number ..... 13561		
Mechanical Recorder Depth ..... 2307		
Recorder Number ..... 13379		

### **Comments**

SLIDE TOOL 8 FEET TO BOTTOM -BULL PLUG AND ABOUT 8 FEET OF ANCHOR WAS FULL OF THICK HEAVY MUD-THIS WILL EXPLAIN THE HIGH DECREASING FLOWS ANCHOR WAS NOT PLUGGED

# SUPERIOR TESTERS ENTERPRISES INC.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

### Flow Times

*Initial Open*  
 Tool Open (from) ..... 6:30  
 Tool Open (to) ..... 6:45  
 Duration (min) ..... 15

*Initial Shut-in*  
 Tool Closed (from) ..... 6:45  
 Tool Closed (to) ..... 7:15  
 Duration (min) ..... 30

*Final Open*  
 Tool Open (from) ..... 7:15  
 Tool Open (to) ..... 7:30  
 Duration (min) ..... 15

*Final Shut-in*  
 Tool Closed (from) ..... 7:30  
 Tool Closed (to) ..... 8:00  
 Duration (min) ..... 30

### Recovery Description

Initial Blow ..... WEAK BUILDING BLOW BUILT TO 1 1/2 INCHES INTO THE WATER

Final Blow ..... WEAK BUILDING BLOW BUILT TO 1 1/2 INCHES INTO THE WATER

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) DRILLING MUD	65				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
<b>Total</b>	65				