

F.G. Hall Co.  
Enlow S-36  
15-047-21439

CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 16 1999

Superior Testers Enterprises, Inc.

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

CONSERVATION DIVISION  
WICHITA, KS

Great B  
State .....  
County .....  
Field .....

Date 10-14-1999 Location St 5/8-3/8 36-24<sup>E</sup> 16<sup>W</sup> Elevation 2052 County EDWARDS  
Company F.G. Hall Company L.L.C. Number of Copies 5  
Charts Mailed to 6427 East Kellogg P.O. Box 780167 Wichita Kansas 67278-0167  
Drilling Contractor Steelers Drilling Rig #4  
Length Drill Pipe 1830 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 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.  
Top Packer Depth 2094 Bottom Packer Depth 2099 Number of Packers 2 Packer Size 6 3/4"  
TESTED FROM 2099 TO 2040 ANCHOR LENGTH 41 TOTAL DEPTH 2040 Hole Size 7 7/8"  
LEASE & WELL NO. Enlow S-36 FORMATION TESTED Herington-Kider TEST NO. 1  
Mud Weight 8.7 Viscosity 50 Water Loss 6.4 Chlorides - Pits 4500 D.S.T. \_\_\_\_\_  
Maximum Temp. 85 °F Initial Hydrostatic Pressure (A) 1014 P.S.I. Final Hydrostatic Pressure (H) 937 P.S.

Tool Open F.F.P. from 1:00 A.m to 1:30 A.m 30 min  
Tool Closed I.C.I.P. from 1:30 A.m to 2:30 A.m 60 min  
Tool Open F.F.P. from 2:30 A.m to 3:30 A.m 60 min  
Tool Closed F.C.I.P. from 3:30 A.m to 5:00 A.m 90 min

Pressure (psi)  
[B] 62 P.S.I. to [C] 85 P.S.I.  
[D] 611 P.S.I.  
[E] 63 P.S.I. to [F] 104 P.S.I.  
[G] 615 P.S.I.

Initial Blow fare blow built to the bottom of a 5 gallon bucket in 2 minutes & DECREASE  
Final Blow Shoag Blow - Gas to surface in 2 minutes - see Gas flow Report

Total Feet Recovered 190 Gravity of Oil \_\_\_\_\_ Correcte

Feet of	% Gas	% Oil	% Mud	% Water
<u>190</u> Feet of <u>Drilling Mud Gassy</u>				
_____ Feet of _____				
_____ Feet of _____				
_____ Feet of _____				
_____ Feet of _____				
_____ Feet of _____				
_____ Feet of _____				
_____ Feet of _____				
_____ Feet of _____				

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Remarks FROM CONFIDENTIAL

Extra Equipment - Jars NONE Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE  
Top Recorder No. 78225 Clock No. Electronic Depth 2033 Cir. Sub NONE Sampler NONE  
Bottom Recorder No. 13189 Clock No. 47441 Depth 2037 Insurance NONE

Price of Job \_\_\_\_\_  
Tool Operator Steve Sudig  
Approved By \_\_\_\_\_  
11810

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

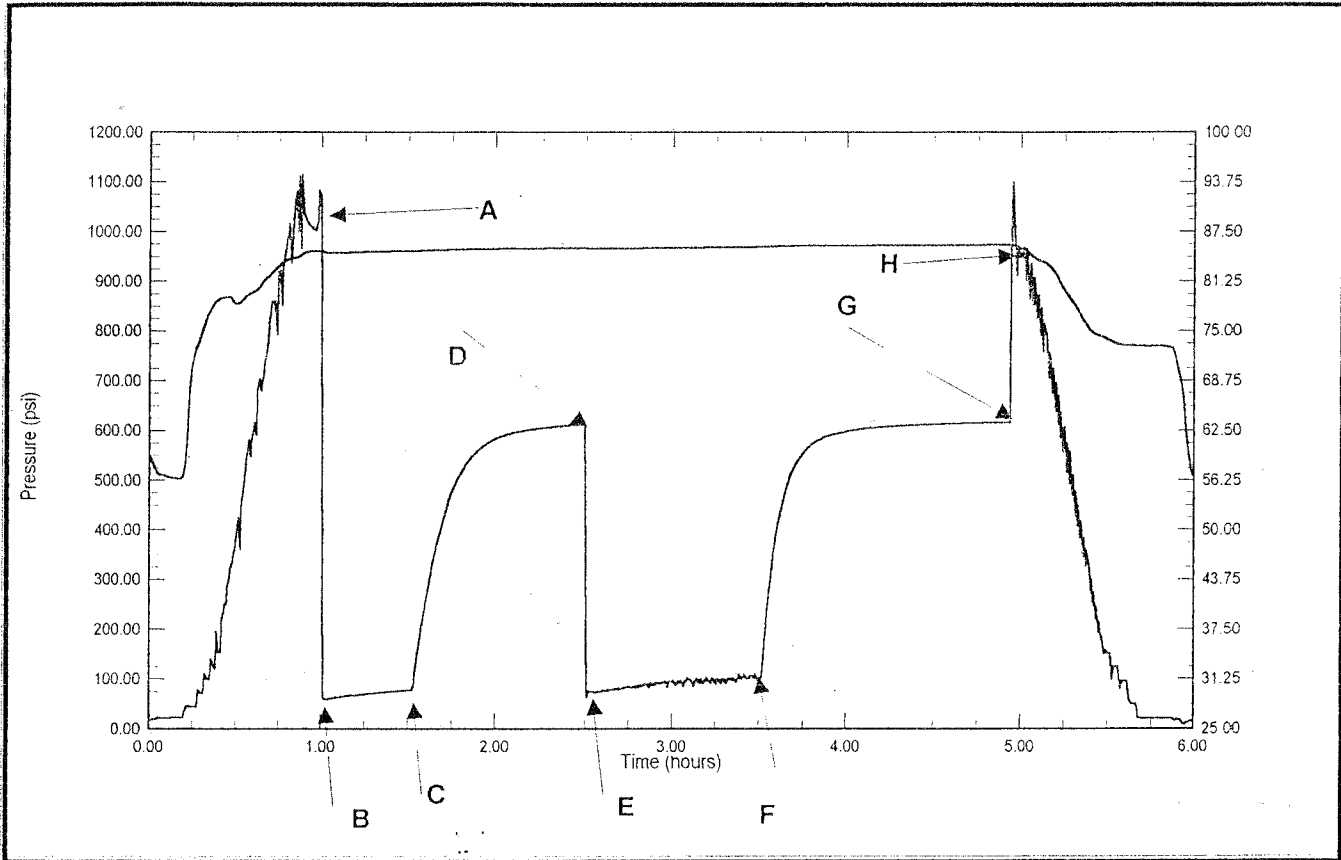
CHART DATA

(316) 792-6902

State ..... KANSAS  
 County ..... EDWARDS  
 Field .....

Test Date ..... October 14, 1999  
 Sec Town Range ..... 36-24S-16W  
 Report Number ..... 11810

Company: F.G. IOLI COMPANY L.L.C.    Lease & Well No. ENLOW #5-36    Test # 1    Date: 10-14-1999  
 SEC. 36    TWP. 24S    RGE. 16



Field Reading

(A)	Initial Hydrostatic Pressure	1014
(B)	Initial Flow Pressure	62
(C)	Final Initial Flow Pressure	85
(D)	Initial Shut-In Pressure	611
(E)	Initial Final Flow Pressure	63
(F)	Final Flow Pressure	104
(G)	Final Shut-In Pressure	615
(H)	Final Hydrostatic Pressure	937

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ELECTRONIC RECORDER DEPTH 2134 FT, RECORDER NUMBER 78225

**SUPERIOR TESTERS ENTERPRISES INC.**

GREAT BEND, KANSAS

**GAS FLOW RATE**

(316) 792-6902

#

STATE..... KANSAS  
 COUNTY..... EDWARDS  
 FIELD.....

Test Date ..... #####  
 Sec Town Range ..... 36-24S-16W  
 Report Number ..... 11810

**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)
<p>KCO                  DEC 17 2001                  FROM CONFIDENTIAL</p>							

**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 OPENED	2:35	5	7			3/8	8.370	
AT 2:30	2:45	15	7			3/8	9.450	
WITH GAS TO	2:55	25	5-10			3/8	11.300	
SURFACE IN	3:05	35	5-10			3/8	11.300	
2 MINUTES AT	3:15	45	5-10			3/8	11.300	
2:32	3:25	55	5-10			3/8	11.300	
	3:30	60	GAS SAMPLE WAS CAUGHT					
<p>LAST 4 GAS READINGS WERE FLUXUATING BETWEEN 5-10 INCHES OF WATER                  BEING BETWEEN 8.370-11.300 MCF</p>								

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KANSAS CORPORATION COMMISSION

DEC 16 1999

Superior Testers Enterprises, Inc.

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

(316) 792-6902

REGISTRATION DIVISION  
WICHITA, KS

Date 10-14-1999 Location S<sup>1</sup>/<sub>2</sub>-S<sup>1</sup>/<sub>4</sub>-S<sup>1</sup>/<sub>8</sub> 36-24<sup>S</sup>-16<sup>W</sup> Elevation 2061 RB.  
2052 GL County EDWARDS

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

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

Drilling Contractor Steelwood Drilling RB #4

Length Drill Pipe 2003 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 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 2267 Bottom Packer Depth 2272 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2272 TO 2300 ANCHOR LENGTH 28 TOTAL DEPTH 2300 Hole Size 7 7/8"

LEASE & WELL NO. Edwards # 5-36 FORMATION TESTED Fort Riley TEST NO. 2

Mud Weight 9.0 Viscosity 55 Water Loss 12.8 Chlorides - Pits 17000 D.S.T.

Maximum Temp. 88 °F Initial Hydrostatic Pressure (A) 1134 P.S.I. Final Hydrostatic Pressure (H) 1092 P.S.I.

Tool Open I.F.P. from 4:45 P.m to 5:15 P.m 30 min

Tool Closed I.C.I.P. from 5:45 P.m to 6:15 P.m 60 min

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

Tool Closed F.C.I.P. from 6:45 P.m to 7:45 P.m 60 min

Initial Blow Straw blow with Gas to surface in 2 minutes

Final Blow Straw blow - See Gas Show Report

Total Feet Recovered 120 Gravity of Oil \_\_\_\_\_ Corrected

120 Feet of Gassy 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 \_\_\_\_\_

Remarks \_\_\_\_\_

Extra Equipment - Jars NONE Safety Joint 405 Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. 2293 Depth 2293 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 413189 Clock No. 47441 Depth 2397 Insurance NONE

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

Tool Operator Gene Budig

Approved By \_\_\_\_\_  
11111

from [B] 327 P.S.I. to [C] 302 P.S.I.  
[D] 674 P.S.I.  
from [E] 325 P.S.I. to [F] 261 P.S.I.  
[G] 653 P.S.I.

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Stat  
Cour  
Field

Pressure (psi)

**SUPERIOR TESTERS ENTERPRISES INC.**

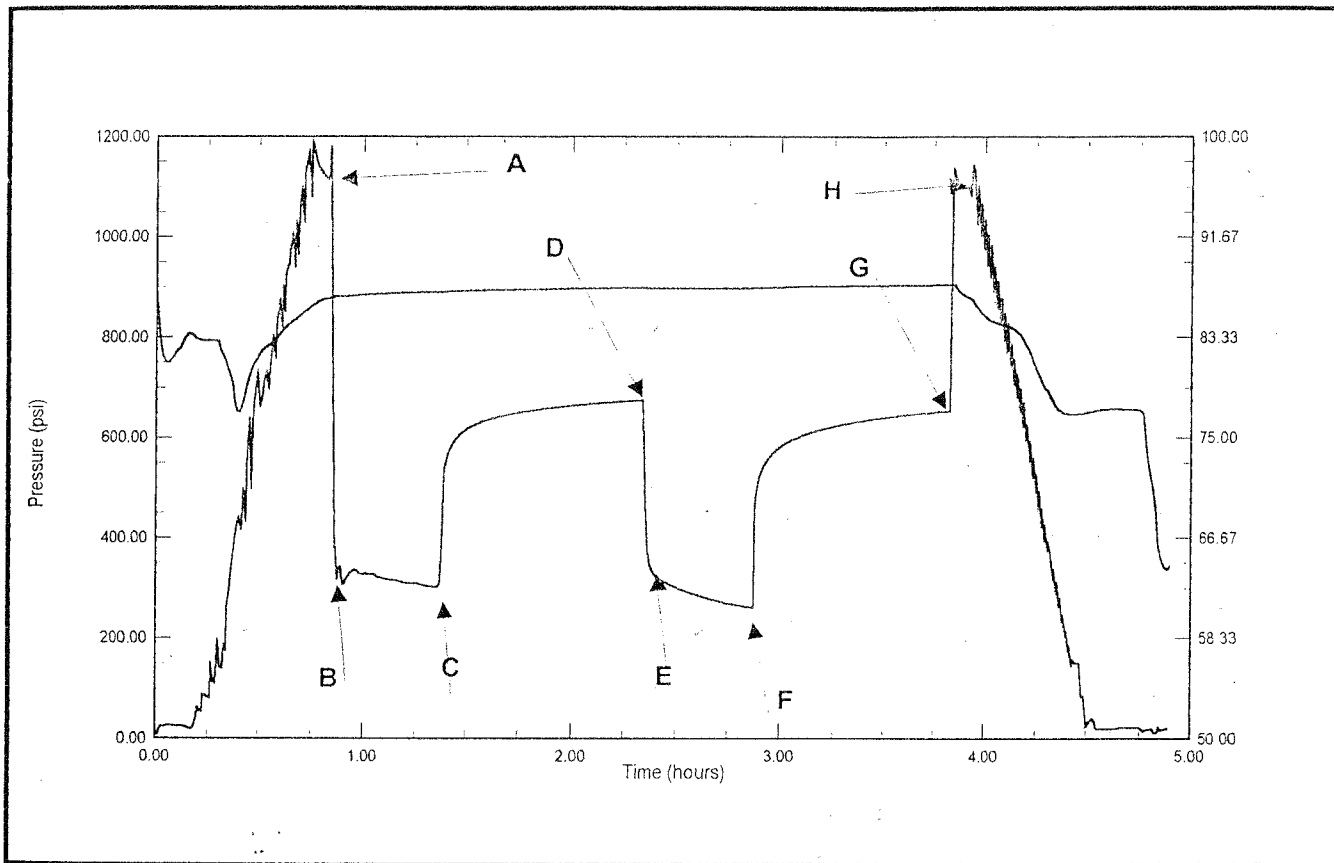
Great Bend, Kansas

**CHART DATA**

(316) 792-6902

State ..... KANSAS  
 County ..... EDWARDS  
 Field .....

Test Date ..... October 14, 1999  
 Sec Town Range ..... 36-24S-16W  
 Report Number ..... 11811



**Field Reading**

(A)	Initial Hydrostatic Pressure	1134
(B)	Initial Flow Pressure	327
(C)	Final Initial Flow Pressure	302
(D)	Initial Shut-In Pressure	674
(E)	Initial Final Flow Pressure	325
(F)	Final Flow Pressure	261
(G)	Final Shut-In Pressure	653
(H)	Final Hydrostatic Pressure	1092

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**ELECTRONIC RECORDER DEPTH 2293 FT, RECORDER NUMBER 78225**

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. ENLOW #5-436 Test # 2 Date: 10-14-1999  
 SEC. 36 TWP. 24S RGE. 16W

**SUPERIOR TESTERS ENTERPRISES INC.**

GREAT BEND, KANSAS

**GAS FLOW RATE**

(316) 792-6902

#

STATE.....	KANSAS	Test Date .....	#####
COUNTY.....	EDWARDS	Sec Town Range .....	36-24S-16W
FIELD.....		Report Number .....	11811

**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)
TOOL OPENED	4:50	5		6		1 1/2	953.000
AT 4:45	5:00	15		7 1/2		1 1/2	1080.000
WITH GAS TO	5:10	25		7 1/2		1 1/2	1080.000
SURFACE IN 24	5:15	30		7 1/2		1 1/2	1080.000
MINUTES							
AT 4:47							

KOC  
792-6902

**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 OPENED	6:25	10		7 1/2		1 1/2	1080.000
AT 6:15	6:35	20		7 1/2		1 1/2	1080.000
	6:45	30		7 1/2		1 1/2	1080.000

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

CONSERVATION DIVISION  
WICHITA, KS

Great Bend

State .....

County .....

Field .....

Date 10-15-1999 Location 2 1/2 - 5 1/2 - 5 1/2 36-24-216 W Elevation 2061 K.B. 20526L County EDWARDS Number of Copies 5

Company F.G. Hall Company LLC

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

Drilling Contractor STERLING DRILLING RIG #4

Length Drill Pipe 2047 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 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 2311 Bottom Packer Depth 2316 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 2316 TO 2345 ANCHOR LENGTH 29 TOTAL DEPTH 2345 Hole Size 7 7/8

LEASE & WELL NO. Edlow #5-36 FORMATION TESTED FLORENCE TEST NO. 3

Mud Weight 9.0 Viscosity 55 Water Loss 12.8 Chlorides - Pits 17000 D.S.T. 48000

Maximum Temp. 88 °F Initial Hydrostatic Pressure (A) 1152 P.S.I. Final Hydrostatic Pressure (H) 1082 P.S.I.

Tool Open I.F.P. from 2:45 A.m to 3:15 A.m 30 min from [B] 54 P.S.I. to [C] 108 P.S.I.

Tool Closed I.C.I.P. from 3:15 A.m to 4:15 A.m 60 min [D] 657 P.S.I.

Tool Open F.F.P. from 4:15 A.m to 4:45 A.m 30 min from [E] 100 P.S.I. to [F] 145 P.S.I.

Tool Closed F.C.I.P. from 4:45 A.m to 5:45 A.m 60 min [G] 666 P.S.I.

Initial Blow Good blow built to the bottom of a 5 Gallon bucket in 30 seconds

Final Blow Good blow - Gas to surface - SEE GAS FLOW REPORT

Total Feet Recovered 150 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

130 Feet of Gassy mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

120 Feet of Gassy mud & water % 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 \_\_\_\_\_

FROM CONFIDENTIAL

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

Top Recorder No. 78225 Clock No. Electronic Depth 2338 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13189 Clock No. 47441 Depth 2542 Insurance NONE

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

Tool Operator Dave Budwig

Approved By NE 11812

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Pressure (psi)

12

11

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SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

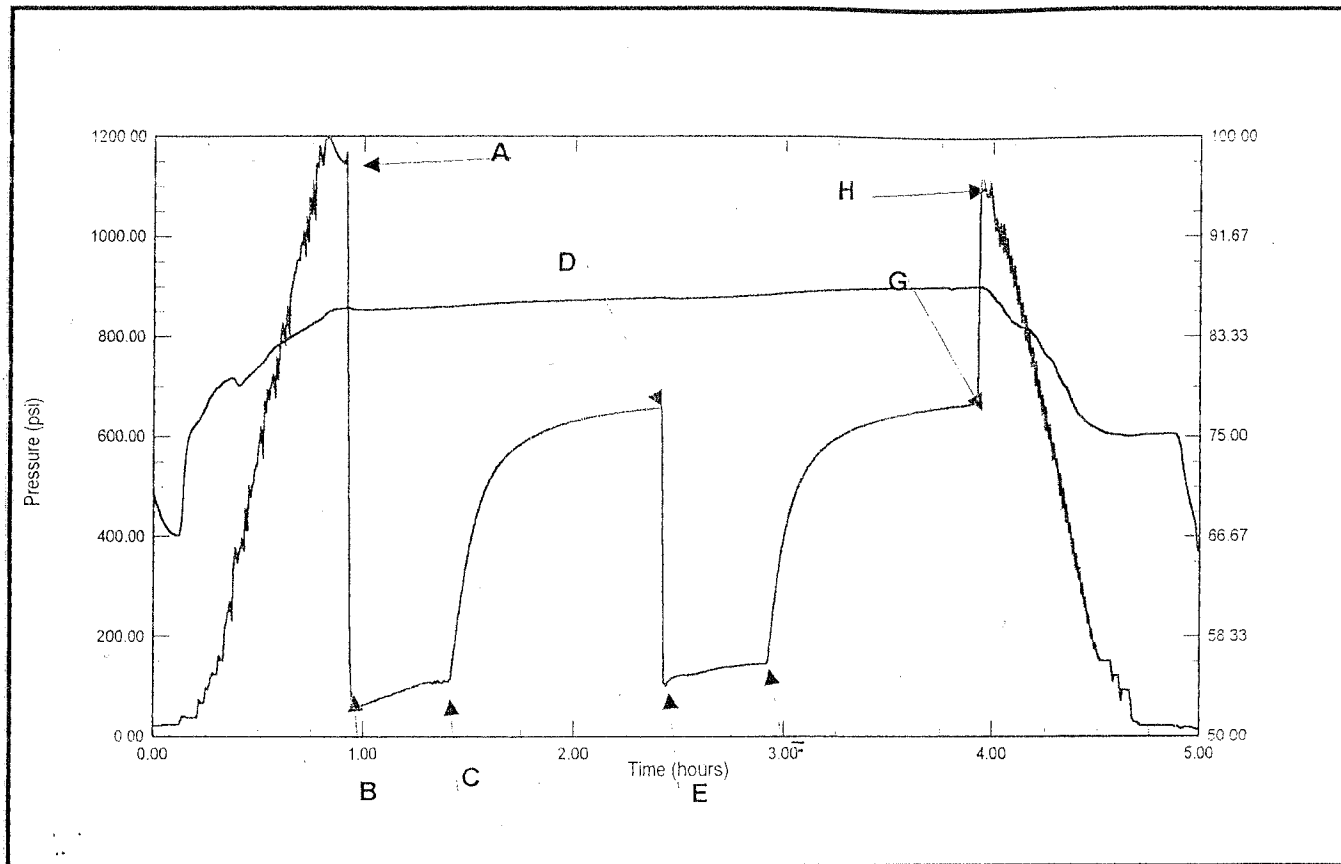
CHART DATA

(316) 792-6902

State ..... KANSAS  
 County ..... EDWARDS  
 Field .....

Test Date ..... October 15, 1999  
 Sec Town Range ..... 36-24S-16W  
 Report Number ..... 11812

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. ENLOW #5-36 Test # 3 Date: 10-15-1999 SEC.  
 36 TWP. 24S RGE. 16W



Field Reading

(A)	Initial Hydrostatic Pressure	1152
(B)	Initial Flow Pressure	54
(C)	Final Initial Flow Pressure	108
(D)	Initial Shut-In Pressure	657
(E)	Initial Final Flow Pressure	100
(F)	Final Flow Pressure	145
(G)	Final Shut-In Pressure	666
(H)	Final Hydrostatic Pressure	1082

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FROM CONFIDENTIAL

ELECTRONIC RECORDER DEPTH 2338 FT, RECORDER NUMBER 78225

**SUPERIOR TESTERS ENTERPRISES INC.**

**DRILL STEM TEST REPORT**

GREAT BEND, KANSAS 67530 (316)792-6902

**WELL INFORMATION**

DRILLING CONTRACTOR ..... **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH ..... **2047**

DRILL PIPE I.D. .... **3.8**

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

DRILL COLLAR LENGTH ..... **248**

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**

VISCOSITY ..... **55**

WATER LOSS ..... **12.8**

CHLORIDES-PITS ..... **17000**

CHLORIDES-DST ..... **48000**

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	130	gassy mud				
2)	120	gassy muddy water chlorides 48000				
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

**COMMENTS**

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DEC 16 1999

Superior Testers Enterprises, Inc.

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

CONSERVATION DIVISION  
WICHITA, KANSAS

Date 10-16-1999 Location 1/2-1/2-3/4 E 36-29-16<sup>W</sup> Elevation 2061 RB. County Edwards

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

Charts Mailed to 6427 East Kellogg P.O. Box 780 167 Wichita Kansas 67278-0167

Drilling Contractor Sterling Drilling Rig #4

Length Drill Pipe 2463 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 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 2727 Bottom Packer Depth 2732 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2732 TO 2755 ANCHOR LENGTH 23 TOTAL DEPTH 2755 Hole Size 7 1/2"

LEASE & WELL NO. Enlow #5-36 FORMATION TESTED Red Eagle TEST NO. 4

Mud Weight 9.9 Viscosity 48 Water Loss 10.8 Chlorides - Pits 270000 S.T.

Maximum Temp. 92 °F Initial Hydrostatic Pressure (A) 1284 P.S.I. Final Hydrostatic Pressure (H) 1264 P.S.I.

Tool Open I.F.P. from 4:00 A.M. to 4:15 A.M. 15 min

Tool Closed I.C.I.P. from 4:15 A.M. to 4:45 A.M. 30 min

Tool Open F.F.P. from 4:45 A.M. to 5:00 A.M. 15 min

Tool Closed F.C.I.P. from 5:00 A.M. to 5:30 A.M. 30 min

from [B] 376 P.S.I. to [C] 1070 P.S.I.  
[D] 973 1266 P.S.I.  
from [E] 973 P.S.I. to [F] 973 P.S.I.  
[G] 973 P.S.I.

Initial Blow WEAK blow for 6 minutes & DIED flushed tool Good Surge - no help

Final Blow no blow - flushed tool - Good Surge - no help

Total Feet Recovered 75 Gravity of Oil \_\_\_\_\_ Correc

75 Feet of Thick heavy mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of MISRUN % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wa

Remarks PLID Tool 8-10 feet to bottom & PLUGGED tool & Anchor

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

Top Recorder No. 78225 Clock No. Electronic Depth 2748 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13189 Clock No. 47441 Depth 2752 Insurance NONE

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

Tool Operator Jane Burley

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

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Great  
State ...  
County ...  
Field ...  
Pressure (psi)

CONFIDENTIAL

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Great Bend

Date 10-16-1999 Location 9/2-9/16-5/16 36-24-16 W Elevation 2052GL County Edwards

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

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

Drilling Contractor Steelcase Drilling Rig + S

Length Drill Pipe 2465 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/4"

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

Length Drill Collars 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/4"

Top Packer Depth 2727 Bottom Packer Depth 2732 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2732 TO 2755 ANCHOR LENGTH 23 TOTAL DEPTH 2755 Hole Size 7 1/2"

LEASE & WELL NO. Edlow #5-36 FORMATION TESTED RED EAGLE TEST NO. 5

Mud Weight 9.1 Viscosity 48 Water Loss 10.8 Chlorides - Pits 27000 D.S.T. 38000

Maximum Temp. 88 °F Initial Hydrostatic Pressure (A) 1280 P.S.I. Final Hydrostatic Pressure (H) 1266

Tool Open I.F.P. from 12:30 AM to 12:35 P 315 min

Tool Closed I.C.I.P. from 12:35 P to 12:55 P 30 min

Tool Open F.F.P. from 12:55 P to 1:10 P 15 min

Tool Closed F.C.I.P. from 1:10 P to 1:40 P 30 min

Pressure (psi) scale with data: from [B] 49 P.S.I. to [C] 78 P, [D] 920 P, from [E] 91 P.S.I. to [F] 119 F, [G] 902 P.

Initial Blow a VERY weak blow built to 3 inches DECREASED to 1/2 inch

Final Blow VERY weak blow built to 2 inches DECREASED to 1/4 inch

Total Feet Recovered 150 Gravity of Oil Corr

Table with columns for Feet of, % Gas, % Oil, % Mud, % V. Rows include Drilling Mud and muddy water chlorides.

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DEC 17 2001

Remarks FROM CONFIDENTIAL

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

Top Recorder No. 28225 Clock No. ELECTRONIC Depth 2748 Cir. Sub none Sampler none

Bottom Recorder No. 13189 Clock No. 47441 Depth 2750 Insurance none

Price of Job

Tool Operator Steve Suding

Approved By

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to 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 statement of 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.

CONFIDENTIAL

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

RECEIVED  
KANSAS CORPORATION COMMISSION  
DEC 16 1999

Great  
State .....  
County ..  
Field .....

Date 10-17-1999 Location 1/2-1/2-1/2 30-24-K6 Elevation 2061RB County Edwards  
Company F.G. Hall Company L.L.C. Number of Copies 5  
Charts Mailed to 6427 East Kellogg P.O. Box 78067 Wichita Kansas 67278-0167  
Drilling Contractor Steeling Drilling Rig #4  
Length Drill Pipe 2837 I.D. Drill Pipe 5.80 Tool Joint Size 4 1/2" X.H.  
Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE  
Length Drill Collars 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.  
Top Packer Depth 3138 Bottom Packer Depth 3143 Number of Packers 3180 Packer Size 6 3/4"  
TESTED FROM 3143 TO 3180 ANCHOR LENGTH 37 TOTAL DEPTH 3180 Hole Size 7 7/8  
LEASE & WELL NO. Enlow #5-36 FORMATION TESTED Howard TEST NO. 6  
Mud Weight 9.1 Viscosity 51 Water Loss 10.4 Chlorides - Pits 7000 D.S.T. 32000  
Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1528 P.S.I. Final Hydrostatic Pressure (H) 1500 P.

Tool Open I.F.P. from 2:30 P.m to 3:00 P.m 30 min  
Tool Closed I.C.I.P. from 3:00 P.m to 4:00 P.m 60 min  
Tool Open F.F.P. from 4:00 P.m to 5:00 P.m 60 min  
Tool Closed F.C.I.P. from 5:00 P.m to 6:30 P.m 90 min  
Initial Blow Stress blow - Gas to surface in 3 minutes  
Final Blow Stress blow - See Gas flow Report  
Total Feet Recovered 700

from [B] 220 P.S.I. to [C] 239 P.S.  
[D] 1060 P.S.  
from [E] 284 P.S.I. to [F] 336 P.S.  
[G] 1046 P.S.

Feet of	% Gas	% Oil	% Mud	% Wa
<u>200</u> Feet of <u>watery Gassy mud</u>				
<u>200</u> Feet of <u>MUDDY Gassy water</u>				
<u>300</u> Feet of <u>Gassy Salt water CHLORIDES 32000</u>				
Feet of	% Gas	% Oil	% Mud	% Wa
Feet of	% Gas	% Oil	% Mud	% Wa
Feet of	% Gas	% Oil	% Mud	% Wa
Feet of	% Gas	% Oil	% Mud	% Wa
Feet of	% Gas	% Oil	% Mud	% Wa
Feet of	% Gas	% Oil	% Mud	% Wa
Feet of	% Gas	% Oil	% Mud	% Wa
Feet of	% Gas	% Oil	% Mud	% Wa

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DEC 17 2001

Remarks \_\_\_\_\_  
FROM CONFIDENTIAL

Extra Equipment - Jars NONE Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE  
Top Recorder No. 28225 Clock No. Electronic Depth 3173 Cir. Sub NONE Sampler NONE  
Bottom Recorder No. 13189 Clock No. 47441 Depth 3177 Insurance NONE

Price of Job \_\_\_\_\_  
Tool Operator Joe Budy  
Approved By \_\_\_\_\_  
11815

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

Pressure (psi)



# SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

## GAS FLOW RATE

(316) 792-6902

#

STATE..... KANSAS	Test Date .....	#####
COUNTY..... EDWARDS	Sec Town Range .....	36-24S-16W
FIELD.....	Report Number .....	11815

### 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)
TOOL OPENED	2:35	5	34			1 1/2	406.000
AT 2:30	2:45	15	40			1 1/2	440.000
WITH GAS TO	2:55	25	33			1 1/2	400.000
SURFACE IN	3:00	30	32			1 1/2	394.000
3 MINUTES AT 2:33							

### 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 OPENED	5:10	10	50			1 1/2	493.000
AT 5:00	5:20	20	35			1 1/2	412.000
	5:30	30	30			1 1/2	381.000
	5:40	40	28			1 1/2	368.000
	5:50	50	26			1 1/2	355.000
	6:00	60	24			1 1/2	341.000

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KANSAS CORPORATION COMMISSION  
DEC 16 1999

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

Great Bend

State .....

County .....

Field .....

Date 10-19-1999 Location S<sup>1</sup>/<sub>2</sub>-S<sup>1</sup>/<sub>4</sub>-S<sup>1</sup>/<sub>4</sub> 36-27-16 Elevation 20526.1 County Edwards

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

Charts Mailed to 1427 East Kellogg P.O. Box 780167 Wichita, Kansas 67278-0167

Drilling Contractor Steelcase Drilling Rig #4  
Length Drill Pipe 3517 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 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 3786 Bottom Packer Depth 3786 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3786 TO 3826 ANCHOR LENGTH 40 TOTAL DEPTH 3826 Hole Size 7 1/4"

LEASE & WELL NO. Edwards #5-36 FORMATION TESTED Lansing "REB" TEST NO. 7

Mud Weight 9.31 Viscosity 50 Water Loss 12 Chlorides - Pits 11,000 D.S.T. \_\_\_\_\_

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1877 P.S.I. Final Hydrostatic Pressure (H) 1869 P.S.I.

Tool Open I.F.P. from 10:15 A.M. to 10:45 A.M. 30 min

Tool Closed I.C.I.P. from 10:45 P.M. to 11:45 P.M. 60 min

Tool Open F.F.P. from 11:45 P.M. to 12:45 A.M. 60 min

Tool Closed F.C.I.P. from 12:45 P.M. to 2:15 P.M. 90 min

Initial Blow Stroke Blow - Gas to Surface in 4 minutes

Final Blow Stroke Blow - See Gas Flow Report

Total Feet Recovered 130 Gravity of Oil \_\_\_\_\_ Corr \_\_\_\_\_

130 Feet of 16 ssy mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % V \_\_\_\_\_

Remarks \_\_\_\_\_

Extra Equipment - Jars NONE Safety Joint 405 Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 47825 Clock No. Electronic Depth 3819 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13189 Clock No. 47441 Depth 3925 Insurance NONE

Price of Job \_\_\_\_\_  
Tool Operator Sanabuck  
Approved By \_\_\_\_\_  
NE 11816

from [B] 85 P.S.I. to [C] 89 P.S.I.  
[D] 1291 P.S.I.  
from [E] 92 P.S.I. to [F] 98 P.S.I.  
[G] 1285 P.S.I.

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Pressure (psi)

2000.00  
1800.00  
1600.00  
1400.00  
1200.00  
1000.00  
800.00  
600.00  
400.00  
200.00  
0.00

# SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

GAS FLOW RATE

(316) 792-6902

#

STATE.....	KANSAS	Test Date .....	#####
COUNTY.....	EDWARDS	Sec Town Range .....	36-24S-16W
FIELD.....		Report Number .....	11816

## 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)
TOOL OPENED	10:20	5	12			1 1/4	152.000
AT 10:15	10:30	15	18			1 1/4	186.000
WITH GAS TO	10:40	25	24			1 1/4	215.000
SURFACE IN	10:45	30	26			1 1/4	233.000
4 MINUTES							
AT 10:19							

## 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 OPENED	1:25	10	32			1 1/4	248.000
AT 1:15	1:35	20	33			1 1/4	252.000
	1:45	30	34			1 1/4	256.000
	1:55	40	36			1 1/4	264.000
	2:05	50	38			1 1/4	271.000
	2:15	60	40			1 1/4	278.000

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KANSAS CORPORATION COMMISSION  
DEC 16 1999

Superior Testers Enterprises, Inc.

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

Date 10-20-1999 Location 9/2-9/4-9/6 36-24-16<sup>W</sup> Elevation 2061 K.B. County Edwards  
205266 WICHITA, KS OBSERVATION DIVISION

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

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

Drilling Contractor Steel's Drilling Rig #4

Length Drill Pipe 3639 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 848 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11"

Top Packer Depth 3903 Bottom Packer Depth 3908 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3908 TO 3931 ANCHOR LENGTH 23 TOTAL DEPTH 3931 Hole Size 2 7/8"

LEASE & WELL NO. Edlow # 5-36 FORMATION TESTED Lansing #H TEST NO. 8

Mud Weight 9.31 Viscosity 50 Water Loss 12.1 Chlorides - Pits 11000 D.S.T. \_\_\_\_\_

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1922 P.S.I. Final Hydrostatic Pressure (H) 1880 P.S.I.

Tool Open I.F.P. from 8:15 A.m to 8:45 A.m 30 min

Tool Closed I.C.I.P. from 8:45 A.m to 9:45 A.m 60 min

Tool Open F.F.P. from 9:45 A.m to 10:45 A.m 60 min

Tool Closed F.C.I.P. from 10:45 A.m to 12:15 P.m 90 min

Initial Blow Strong blow with Gas to surface in 8 minutes

Final Blow Strong blow - see Gas flow Report

Total Feet Recovered 110 Gravity of Oil \_\_\_\_\_ Correct \_\_\_\_\_

110 Feet of Gassy mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Wat \_\_\_\_\_

Remarks \_\_\_\_\_

FROM CONFIDENTIAL

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

Top Recorder No. 78225 Clock No. Electronic Depth 3924 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13189 Clock No. 43441 Depth 3928 Insurance NONE

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

Tool Operator Gene Budy

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

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Great  
State ....  
County ....  
Field ....  
Pressure (psi)

774-775

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DEC 17 2001

# SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

## GAS FLOW RATE

(316) 792-6902

#

STATE.....	KANSAS	Test Date .....	#####
COUNTY.....	EDWARDS	Sec Town Range .....	36-24S-16W
FIELD.....		Report Number .....	11817

### 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)
TOOL OPENED	8:25	10	9			1 1/4	132.000
AT 8:15 WITH	8:35	20	10			1 1/4	138.000
GAS TO	8:45	0	10			1 1/4	138.000
SURFACE IN							
8 MINUTES AT							
8:23							

### 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 OPENED	9:55	10	14			1 1/4	164.000
AT 9:45	10:05	20	12			1 1/4	152.000
	10:15	30	12			1 1/4	152.000
	10:25	40	12			1 1/4	152.000
	10:35	50	12			1 1/4	152.000
	10:45	60	12			1 1/4	152.000

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