

15.185.23068.0000

FORM MUST BE TYPED

SIDE ONE

23068

API NO. 15- 185-230690000

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 17 1998
CONSERVATION DIVISION
WICHITA, KS

Operator: License # 5056

Name: G.HOLL CO., L.L.C.

Address: 227 E. Kellogg

P.O. Box 780167

City/State/Zip Wichita, KS 67278-0167

Purchaser: NCRA

Operator Contact Person: Elwyn H. Nagel

Phone (316) 684-8481

Contractor: Name: Sterling Drilling Company

License: 5142

Wellsite Geologist: Allen G. Siemens

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

12/01/1997 12/06/1997 12/06/1997

Spud Date Date Reached TD Completion Date

County Stafford

25°N, 80°W, C - NE Sec. 3 Twp. 21S Rge. 11 X W

1295 Feet from N (circle one) Line of Section

1400 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE, SE, NW or SW (circle one)

Lease Name Snider Well # 1-3

Field Name Snider

Producing Formation NA

Elevation: Ground 1764' KB 1773'

Total Depth 2720 PBTD NA

Amount of Surface Pipe Set and Cemented at 216 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D4A, 6-30-98 O.C.
(Data must be collected from the Reserve Pit)

Chloride content NA ppm Fluid volume 600 bbls

Dewatering method used No free fluids in pits

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title Geologist Date 6/16/1998

Subscribed and sworn to before me this 16 day of JUNE 19 98.

Notary Public [Signature]

Date Commission Expires 4-2-2001

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

DANNY DODD
Notary Public - State of Kansas
My Appt. Expires 4/2/2001

Form ACO-1 (7-91)

Operator Name F.G.HOLL CO., L.L.C.

Lease Name Snider

Well # 1-3

Sec. 3 Twp. 21 S Rge. 11

East

County Stafford

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: ZDL/CN/GR
DIFL/GR
MINI LOG/CAL

Log Sample
Formation (Top), Depth and Datums

Name	Top	Datum
Herington-Krider	1472	(+301)
Winfield	1522	(+251)
Towanda	1590	(+183)
base Florence Ls.	1724	(+49)
Red Eagle	2068	(-295)
Onaga	2195	(-422)
Tarkio	2402	(-629)
Howard	2553	(-780)
Severy	2606	(-833)
Topeka	2658	(-885)
	2720	(-947)

CASING RECORD New Used
RTD

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	219'KB	60/40poz	190	2%gel, 3%cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. DFA Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>N-A</u>				

Disposition of Gas: METHOD OF COMPLETION

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval

RECEIVED
KANSAS CORPORATION COMMISSION



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

Corporate FIN 73-0271280

JUN 17 1998

HALLIBURTON ENERGY SERVICES

A Division of Halliburton Company

INVOICE NO.	DATE
308090	12/01/1997

CONSERVATION DIVISION WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION	STATE	OWNER
ORDER 1-3		STAFFORD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT	STERLING DRILLING	SHOWN BELOW		12/01/1997
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA
392900	GLENN ROGGE			COMPANY TRUCK
				FILE NO.
				34041

15-185-23068

F G HOLL
P O BOX 158
BELPRE, KS 67519

DIRECT CORRESPONDENCE TO:
P O BOX 963
PRATT KS 67124
316-672-5593

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT SURFACE CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	90	MI		
		1	UNT		
000-119	MILEAGE FOR CREW	90	MI		
		1	UNT		
001-016	CEMENTING CASING	219	FT		
		1	UNT		
030-503	WOODEN PLUG	8	5/8 IN		
		1	EA		
504-136	CEMENT - 40/60 POZMIX STANDARD	190	SK		
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK		
500-207	BULK SERVICE CHARGE	200	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	362.68	TMI		

ORIGINAL

JOB PURPOSE SUBTOTAL

INVOICE SUBTOTAL

DISCOUNT-(BID)
INVOICE BID AMOUNT

- *-KANSAS STATE SALES TAX
- *-PRATT COUNTY SALES TAX

ENTD JAN 6 1998

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest of any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

ORIGINAL

JUN 17 1998



HALLIBURTON®

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046
Corporate FIN 73-0271280

INVOICE

CONSERVATION DIVISION HALLIBURTON ENERGY SERVICES, INC.
WICHITA, KS

INVOICE NO.	DATE
197085	12/06/1997

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
SHUER L-3		STAFFORD		KS	SANE
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
HAYS		STERLING DRILLING	SHOWN BELOW		12/06/1997
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
342900	MOB LONG			COMPANY TRUCK	34290

15-185-23068

DIRECT CORRESPONDENCE TO:

F O HOLL.
P O BOX 158
DEPRE, KS 67519

1102 E. 8TH
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - PLUG TO ABANDON					
000-117	BLEACK CEMENTING ROUND TRIP	45	MT		
				1	UNT
090-910	MISCELLANEOUS PUMPING JOB			1	TRK
010-503	CRTG PLUG LA. LI, CP- L, CP- R, TOP	8	5/8 IN		
				1	EA
504-136	CEMENT - 40/60 POZEX STANDARD	125	SK		
506-121	HALLIBURTON- GEL. 2X	2	LB		
507-277	HALLIBURTON- GEL. BENTONITE	4	SK		
500-207	HOLE SERVICE CHARGE	133	CFT		
500-306	BLEACK CRTG MAT DEL. OR RETURN	240.469	TNI		

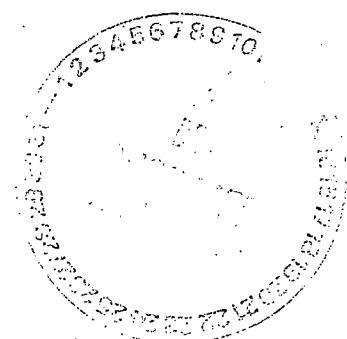
ORIGINAL

JOB PURPOSE SUBTOTAL

INVOICE SUBTOTAL

DISCOUNT- (MID)
INVOICE BID AMOUNT

*-KANSAS STATE SALES TAX
*-HAYS CITY SALES TAX



ENTD JAN 6 1998

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

To: 1041278
STATE CORPORATION COMMISSION
Wichita State Office Bldg. - PLUGGING SECTION
130 S. Market, Room 2078
Wichita, KS 67202

API NUMBER 15- 185-23,068
25' N & 80' W of
C. NE SEC. 3 T 21 S, R 11 WXX
1295 feet from NXX section line
1400 feet from E section line

TECHNICIAN'S PLUGGING REPORT

Operator License # 5056
Operator: F.G. Holl Co., LLC
Name & Address: P.O. Box 780167
Wichita, KS 67278-0167

Lease Name Snider Well # 1-3
County Stafford 88.40
Well Total Depth 2720 feet
Conductor Pipe: Size feet
Surface Casing: Size 8 5/8 feet 216

Abandoned Oil Well Gas Well Input Well SWD Well D&A X
Other well as hereinafter indicated

Plugging Contractor Sterling Drilling Company License Number 5142
Address P.O. Box 1006, Pratt, KS 67124-1006

Company to plug at: Hour: 12:30 a.m. Day: 6 Month: 12 Year: 1997

Plugging proposal received from Vaughn Thompson
(company name) Sterling Drilling Company (phone) 316-672-9508

were: to fill hole with heavy mud and spot cement through drill pipe Anhydrite 493-517'.
1st plug at 600' with 50 sx cement, 2nd plug at 245' with 40 sx cement,
3rd plug at 40' with 10 sx cement,
4th plug to circulate rathole with 15 sx cement,
5th plug to circulate mousehole with 10 sx cement.

Plugging Proposal Received by Steve Pfeifer (TECHNICIAN)

Plugging Operations attended by Agent?: All Part None X

Operations Completed: Hour: 2:30 a.m. Day: 6 Month: 12 Year: 19 97

ACTUAL PLUGGING REPORT 1st plug at 600' with 50 sx cement,
2nd plug at 245' with 40 sx cement,
3rd plug at 40' with 10 sx cement,
4th plug to circulate rathole with 15 sx cement,
5th plug to circulate mousehole with 10 sx cement.

RECEIVED
STATE CORPORATION COMMISSION
DEC 10 1997
CONSERVATION DIVISION
Wichita, Kansas

Remarks: Used 60/40 Pozmix 6% gel by Halliburton.
(If additional description is necessary, use BACK of this form.)

DATE (XXXX/ did not) observe this plugging. 12-15-97

INV. NO. 49682

Signed Stephen J. Pfeifer (TECHNICIAN)

Superior Testers Enterprises, Inc.

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

(316) 792-6902

ORIGINAL

Date 12-2-1997 Location 25 1/2 N 80 W of C-NE 1/4 3-21-11 W Elevation 1773 KB 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 67278-0167

Drilling Contractor Steeling Drilling Rig #4

Length Drill Pipe 1034 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 545 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 1593 Bottom Packer Depth 1598 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 1598 TO 1623 ANCHOR LENGTH 25 TOTAL DEPTH 1623 Hole Size 7 7/8"

LEASE & WELL NO. Swider #1-3 FORMATION TESTED TOWANDA TEST NO. 1

Mud Weight 8.4 Viscosity 48 Water Loss 8.4 Chlorides - Pits 4500 D.S.T. 92000

Maximum Temp. 77 °F Initial Hydrostatic Pressure (A) 805 P.S.I. Final Hydrostatic Pressure (H) 732 P.S.I.

Tool Open I.F.P. from 10:40 P.m to 11:10 P.m 30 min

Tool Closed I.C.I.P. from 11:10 P.m to 11:55 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

from [B] <u>45</u> P.S.I. to [C] <u>84</u> P.S.I.
[D] <u>513</u> P.S.I.
from [E] <u>- 0 -</u> P.S.I. to [F] <u>- 0 -</u> P.S.I.
[G] <u>- 0 -</u> P.S.I.

Initial Blow WEAK blow built to lynch into the water AND DECREASED TO A

Final Blow NONE TAKEN WEAK SURFACE blow

Total Feet Recovered 75 Gravity of Oil _____ Corrected

<u>15</u> Feet of <u>MUD</u>	% Gas	% Oil	% Mud	% Water
<u>60</u> Feet of <u>MUDDY WATER</u>	% 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 NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. 2242016 Depth 1616 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 1620 Insurance NONE

Price of Job _____

Tool Operator Rene Bushy

Approved By _____

No 11666

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

SNIDER #1-3 TOWANDA

State KANSAS

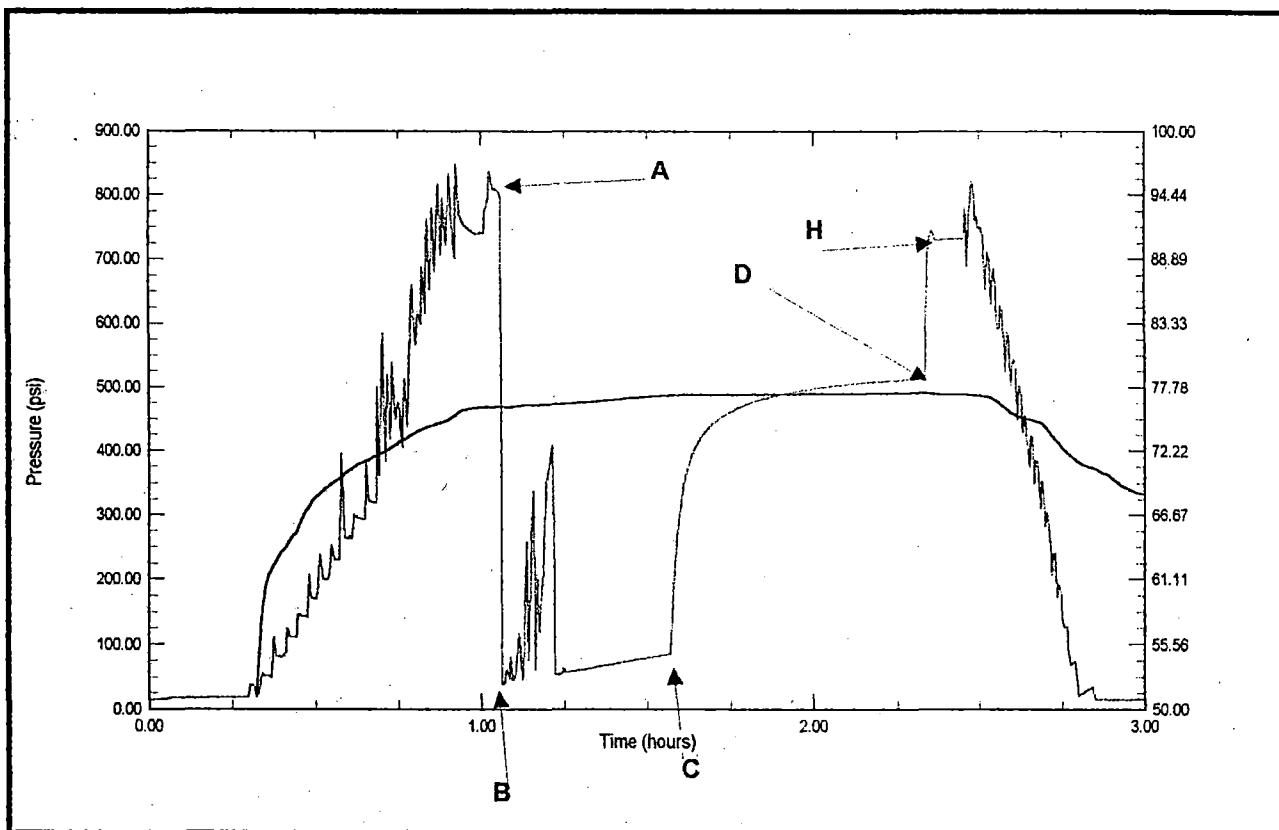
Test Date December 2, 1997

County

Sec Town Range 25'N & 80'W OF C-NE/4

Field

Report Number 11666



Field Reading

Office Reading

	Field Reading	Office Reading	
(A)	Initial Hydrostatic Pressure	805	psi
(B)	Initial Flow Pressure	45	psi
(C)	Final Initial Flow Pressure	84	psi
(D)	Initial Shut-In Pressure	513	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	732	psi

ELECTRONIC REECORDER DEPTH 1616ft, RECORDER NUMBER 78225

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. SNIDER #1-3 Test #: 1 Date: 12-2-1997
 SEC. 3 TWP. 21S RGE. 11W

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 SNIDER #1-3
Formation Tested TOWANDA
Test Number 1
State KANSAS
County STAFFORD
Field
Test Date 2-Dec-97
Section Town Range 25'N & 80'W OF C-NE/4 3-21S-11W
Report Number 11666
Elevation Ground Level 1764
Elevation Kelly Bushings 1763
Company Representative WAYNE KIRKMAN
Testing Engineer GENE BUDIG

Extra Equipment

Jars NO
Safety Joint NO
Extra Packes 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 1034
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 8.60
Viscosity 48.00
Water Loss 8.4
Chlorides - Pits 4,500
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 1593
Bottom packer Depth 1598
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 1598
Test Interval (to) 1623.00
Anchor Length 25
Total Depth (ft) 1623
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	77	
Initial Hydrostatic Pressure	805	
Initial Flow Pressure	45	
Final Initial Flow Pressure	84	
Initial Shut-In Pressure	513	
Initial Final Flow Pressure	NONE TAKEN	
Final Flow Pressure	NONE TAKEN	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	732	
Electronic Recorder Depth	1616	
Recorder Number	78225	
Mechanical Recorder Depth	1620	
Recorder Number	5463	

Comments

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 1593
Bottom packer Depth 1598
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 1598
Test Interval (to) 1623.00
Anchor Length 25
Total Depth (ft) 1623
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	77	
Initial Hydrostatic Pressure	805	
Initial Flow Pressure	45	
Final Initial Flow Pressure	84	
Initial Shut-In Pressure	513	
Initial Final Flow Pressure	NONE TAKEN	
Final Flow Pressure	NONE TAKEN	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	732	
Electronic Recorder Depth	1616	
Recorder Number	78225	
Mechanical Recorder Depth	1620	
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) 10:40
 Tool Open (to) 11:10
 Duration (min) 30

Initial Shut-in

Tool Closed (from) 11:10
 Tool Closed (to) 11:55
 Duration (min) 45

Final Open

Tool Open (from) 11:55
 Tool Open (to) 0:00
 Duration (min) 0

Final Shut-in

Tool Closed (from) 0:00
 Tool Closed (to) 0:00
 Duration (min) 0

Recovery Description

Initial Blow WEAK BLOW BUILT TO 1 INCH INTO THE WATER AND
 DECREASED TO A VERY WEAK SURFACE BLOW IN
 30 MINUTES

Final Blow NONE TAKEN

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) MUD	15				
2) MUDDY WATER	60				
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	75				

Superior Testers Enterprises, Inc. ORIGINAL

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

(316) 792-6902

Date 12-3-1997 Location 25 1/2 mi. NE of C. NE 1/4 3-21-11W Elevation 1773 RB County Stafford

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

Charts Mailed to 6427 East Kellogg RD Box B0167 Wichita Kansas 67278-0167

Drilling Contractor Steeling Drilling Rig #4

Length Drill Pipe 1134 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 545 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 1693 Bottom Packer Depth 1700 1698 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 1698 TO 1735 ANCHOR LENGTH 37 TOTAL DEPTH 1735 Hole Size 7 7/8

LEASE & WELL NO. FLORENCE SWIDER 1-3 FORMATION TESTED FLORENCE TEST NO. 2

Mud Weight 8.4 Viscosity 48 Water Loss 8.4 Chlorides - Pits 4500 D.S.T. 48000

Maximum Temp. 77 °F Initial Hydrostatic Pressure (A) 853 P.S.I. Final Hydrostatic Pressure (H) 814 P.S.

Tool Open I.F.P. from 8:25 a.m. to 8:55 a.m. 30 min

Tool Closed I.C.I.P. from 8:55 a.m. to 9:40 a.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 fair blow built to the bottom of a 5 Gallon bucket in 6 minutes & STALL

Final Blow DECREASING

Total Feet Recovered 500 Gravity of Oil _____ Correcte

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

300 Feet of SLIGHTLY muddy 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 _____

_____ 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 NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. ELECTRAK Depth 1628 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 463 Clock No. 47441 Depth 1622 Insurance NONE

Price of Job _____

Tool Operator Gene Budy

Approved By _____

NO 11667

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

SNIDER #1-3 FLORENCE

State KANSAS

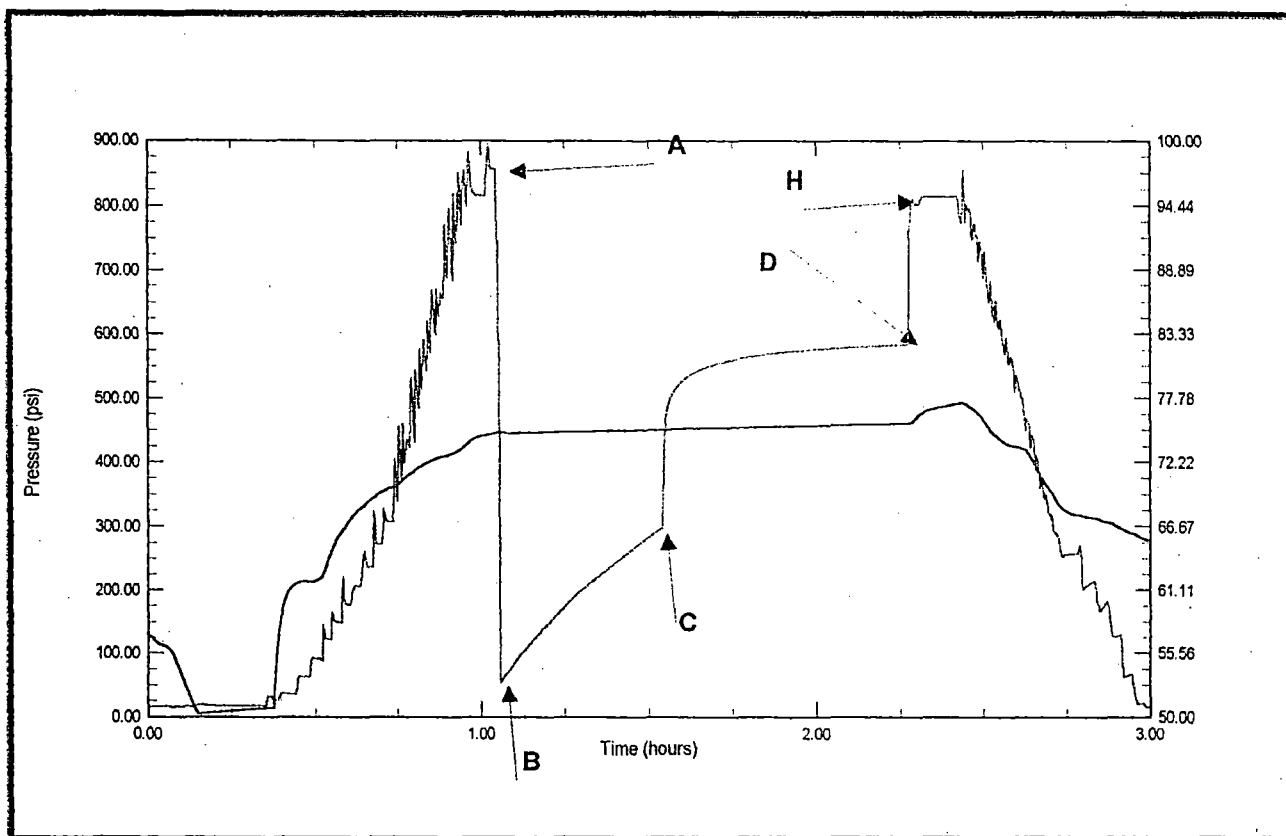
Test Date December 3, 1997

County

Sec Town Range 25'N&80'W OF NE/4 3

Field

Report Number 115667



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	853	psi
(B)	Initial Flow Pressure	67	psi
(C)	Final Initial Flow Pressure	299	psi
(D)	Initial Shut-In Pressure	583	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	814	psi

ELECTRONIC REECORDER DEPTH1728ft,RECORDER NUMBER78225

Company: F.C.HOLL COMPANY L.L.C. Lease & Well No. SNIDER #1-3 Test #: 2 Date: 12-3-1997
 SEC. 3 TWP. 21S RGE. 11W

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 SNIDER #1-3
Formation Tested FLORENCE
Test Number 2
State KANSAS
County STAFFORD
Field
Test Date 3-Dec-97
Section Town Range 25'N&80'W OF NE/4 3-21S-11W
Report Number 115667
Elevation Ground Level 1764
Elevation Kelly Bushings 1773
Company Representative WAYNE KIRKMAN
Testing Engineer GENE BUDIG

Extra Equipment

Jars NO
Safety Joint NO
Extra Packes 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 1134
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 8.60
Viscosity 48.00
Water Loss 8.4
Chlorides - Pits 4,500
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 1693
Bottom packer Depth 1698
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 1698
Test Interval (to) 1735.00
Anchor Length 35
Total Depth (ft) 1735
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	77	
Initial Hydrostatic Pressure	853	
Initial Flow Pressure	67	
Final Initial Flow Pressure	299	
Initial Shut-In Pressure	583	
Initial Final Flow Pressure	NONE TAKEN	
Final Flow Pressure	NONE TAKEN	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	814	
Electronic Recorder Depth	1728	
Recorder Number	78225	
Mechanical Recorder Depth	1732	
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) 8:25
 Tool Open (to) 8:55
 Duration (min) 30

Initial Shut-in

Tool Closed (from) 8:55
 Tool Closed (to) 9:40
 Duration (min) 45

Final Open

Tool Open (from) 9:40
 Tool Open (to) 0:00
 Duration (min) 0

Final Shut-in

Tool Closed (from) 0:00
 Tool Closed (to) 0:00
 Duration (min) 0

Recovery Description

Initial Blow FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 6 MINUTES AND STARTED DECREASING

Final Blow NONE TAKEN

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) MUDDY WATER	200				
2) SLIGHTLY MUDDY WATER CHLORIDES 48000	300				
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	(500)				

Superior Testers Enterprises, Inc.

ORIGINAL

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

(316) 792-6902

Date 12-4-1997 Location 25 1/2 NE 80' of Sec 14 T32N R11W 1773 KB Elevation 1764 ft County Stafford

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

Charts Mailed to 6427 East Kellie P.O. Box 780167 Wichita Kansas 67229-0167

Drilling Contractor Shelvic Drilling Rig #4

Length Drill Pipe 1724 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 545 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 2283 Bottom Packer Depth 2288 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2288 TO 2320 ANCHOR LENGTH 32 TOTAL DEPTH 2320 Hole Size 7 7/8"

LEASE & WELL NO. Snider #13 FORMATION TESTED Shatter TEST NO. 3

Mud Weight 9.1 Viscosity 45 Water Loss 12.8 Chlorides - Pits 12000 D.S.T. 84000

Maximum Temp. 85 °F Initial Hydrostatic Pressure (A) 1119 P.S.I. Final Hydrostatic Pressure (H) 1115 P.S.I.

Tool Open I.F.P. from 12:00 P.m to 12:20 P.m 20 min

Tool Closed I.C.I.P. from 12:20 P.m to 12:50 P.m 30 min

Tool Open F.F.P. from 12:50 P.m to 1:10 P.m 15 min

Tool Closed F.C.I.P. from - 0 - m to - 0 - m 0 min

Initial Blow WEAK building blow built to 5 1/2 inch DECREASED to 2 inch STEADY BLOW

Final Blow VERY WEAK 1/2 inch STEADY BLOW

Total Feet Recovered 70 Gravity of Oil _____ Corrected

20 Feet of Drilling mud %Gas _____ %Oil _____ %Mud _____ %Water _____

50 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 _____

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 NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 2314 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 2317 Insurance NONE

Price of Job _____

Tool Operator Jim Dandy

Approved By _____

No 11668

from [B] <u>40</u> P.S.I. to [C] <u>60</u> P.S.I.
[D] <u>827</u> P.S.I.
from [E] <u>66</u> P.S.I. to [F] <u>78</u> P.S.I.
[G] <u>- 0 -</u> 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, 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

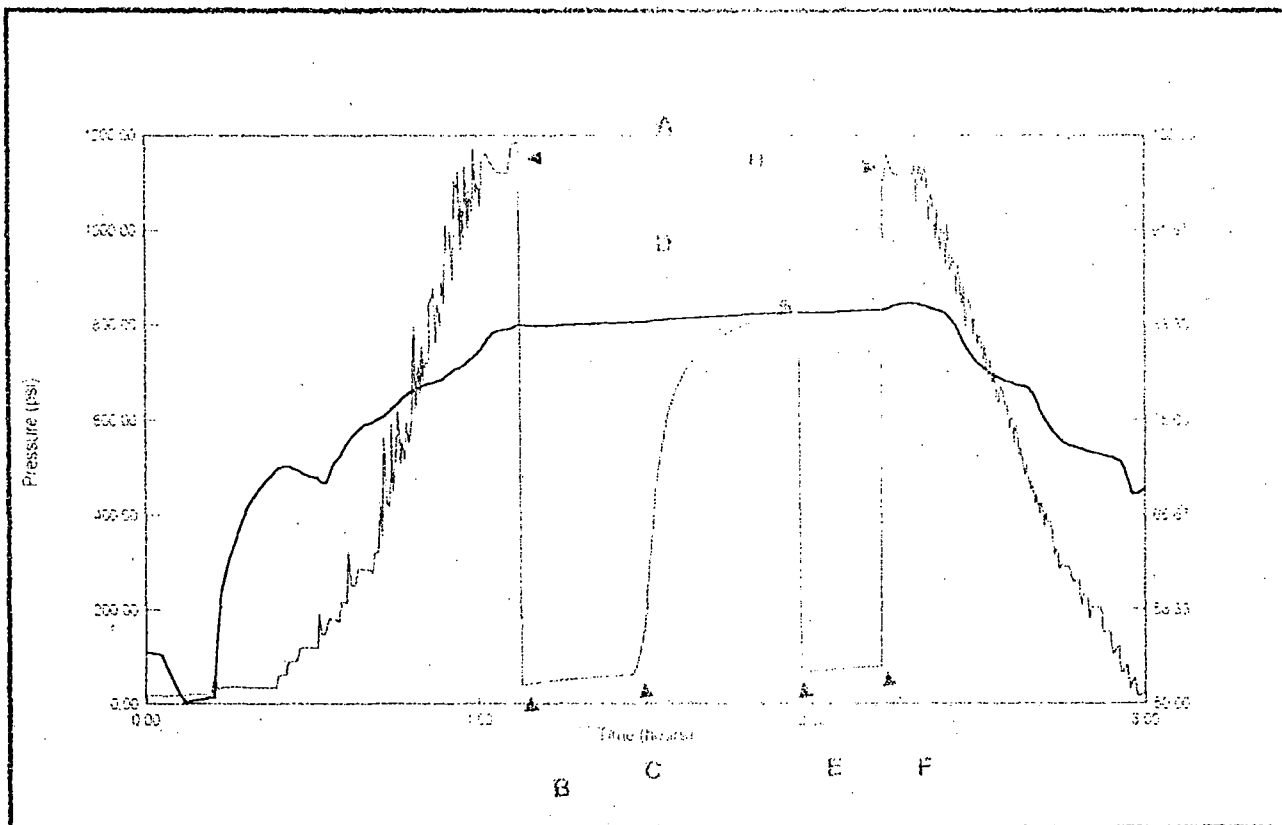
CHART DATA

(316) 792-6902

SNIDER #1-3 STUTLER

State KANSAS
 County
 Field

Test Date December 4, 1997
 Sec Town Range 3-21S-11W
 Report Number 11668



	Field Reading	Office Reading
(A)	Initial Hydrostatic Pressure	1119 psi
(B)	Initial Flow Pressure	40 psi
(C)	Final Initial Flow Pressure	60 psi
(D)	Initial Shut-In Pressure	827 psi
(E)	Initial Final Flow Pressure	66 psi
(F)	Final Flow Pressure	78 psi
(G)	Final Shut-In Pressure	NONE TAKEN psi
(H)	Final Hydrostatic Pressure	1115 psi

ELECTRONIC REECORDER DEPTH2314ft, RECORDER NUMBER78225

Company: F.C.HOLL COMPANY L.L.C. Lease & Well No. SNIDDER #1-3 Test #: 3 Date: 12-4-1997
 SEC. 3 TWP. 21S RGE. 11W

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 SNIDER #1-3
Formation Tested STUTLER
Test Number 3
State KANSAS
County STAFFORD
Field
Test Date 4-Dec-97
Section Town Range 3-21S-11W
Report Number 11668
Elevation Ground Level 1764
Elevation Kelly Bushings 1773
Company Representative WAYNE KIRKMAN
Testing Engineer GENE BUDIG

Extra Equipment

Jars NO
Safety Joint NO
Extra Packers 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 1724
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 8.50
Viscosity 45.00
Water Loss 12.8
Chlorides - Pits 12,000
Chlorides - DST 84,000

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 2283
Bottom packer Depth 2288
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 2288
Test Interval (to) 2320.00
Anchor Length 32
Total Depth (ft) 2320
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	85	
Initial Hydrostatic Pressure	1119	
Initial Flow Pressure	40	
Final Initial Flow Pressure	60	
Initial Shut-In Pressure	827	
Initial Final Flow Pressure	66	
Final Flow Pressure	78	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	1115	
Electronic Recorder Depth	2314	
Recorder Number	78225	
Mechanical Recorder Depth	2317	
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) 12:00
 Tool Open (to) 12:20
 Duration (min) 20

Initial Shut-in

Tool Closed (from) 12:20
 Tool Closed (to) 12:50
 Duration (min) 30

Final Open

Tool Open (from) 12:50
 Tool Open (to) 1:05
 Duration (min) 15

Final Shut-in

Tool Closed (from) 1:05
 Tool Closed (to) 0:00
 Duration (min) 0

Recovery Description

Initial Blow WEAK BUILDING BLOW BUILT TO 3 1/2 INCHES AND DECREASED TO A 3 INCH STEADY BLOW

Final Blow WEAK STEADY 1/2 INCH BLOW

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) MUD	20				
2) MUDDY WATER CHLORIDES 84000	50				
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	70				

Superior Testers Enterprises, Inc.

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

(316) 792-6902

ORIGINAL

Date 12-5-1997 Location 25 1/2 mi W of C. NE 1/4 3-21-11 Elevation 1773 KB. 1767 GL County Stafford

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

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

Drilling Contractor Steelcase Drilling Rig #4

Length Drill Pipe 1797 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 545 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X H.

Top Packer Depth 2365 Bottom Packer Depth 2370 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2370 TO 2402 ANCHOR LENGTH 32 TOTAL DEPTH 2402 Hole Size 7 7/8"

LEASE & WELL NO. SWIDER #1-3 FORMATION TESTED _____ TEST NO. 4

Mud Weight 93 Viscosity 47 Water Loss 11.2 Chlorides - Pits 10000 D.S.T. 131000

Maximum Temp. 86 °F Initial Hydrostatic Pressure (A) 1161 P.S.I. Final Hydrostatic Pressure (H) 1148 P.S.I.

Tool Open I.F.P. from 12:00 m to 12:30 A m 30 min from [B] 58 P.S.I. to [C] 121 P.S.I.

Tool Closed I.C.I.P. from 12:30 m to 12:45 A m 45 min [D] 876 P.S.I.

Tool Open F.F.P. from NONE m to TAKEN m 0 min from [E] -0- P.S.I. to [F] -0- P.S.I.

Tool Closed F.C.I.P. from NONE m to TAKEN m 0 min [G] -0- P.S.I.

Initial Blow WEAK building blow built to a 3 inch STEADY Blow

Final Blow no blow

Total Feet Recovered 150 Gravity of Oil _____ Corrected

<u>150</u> Feet of <u>SLIGHTLY MUDDY WATER</u>	% 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 NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 2395 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 2399 Insurance NONE

Price of Job _____

Tool Operator Gene Ludwig

Approved By _____

No 11669

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

SNIDER #1-3

State KANSAS

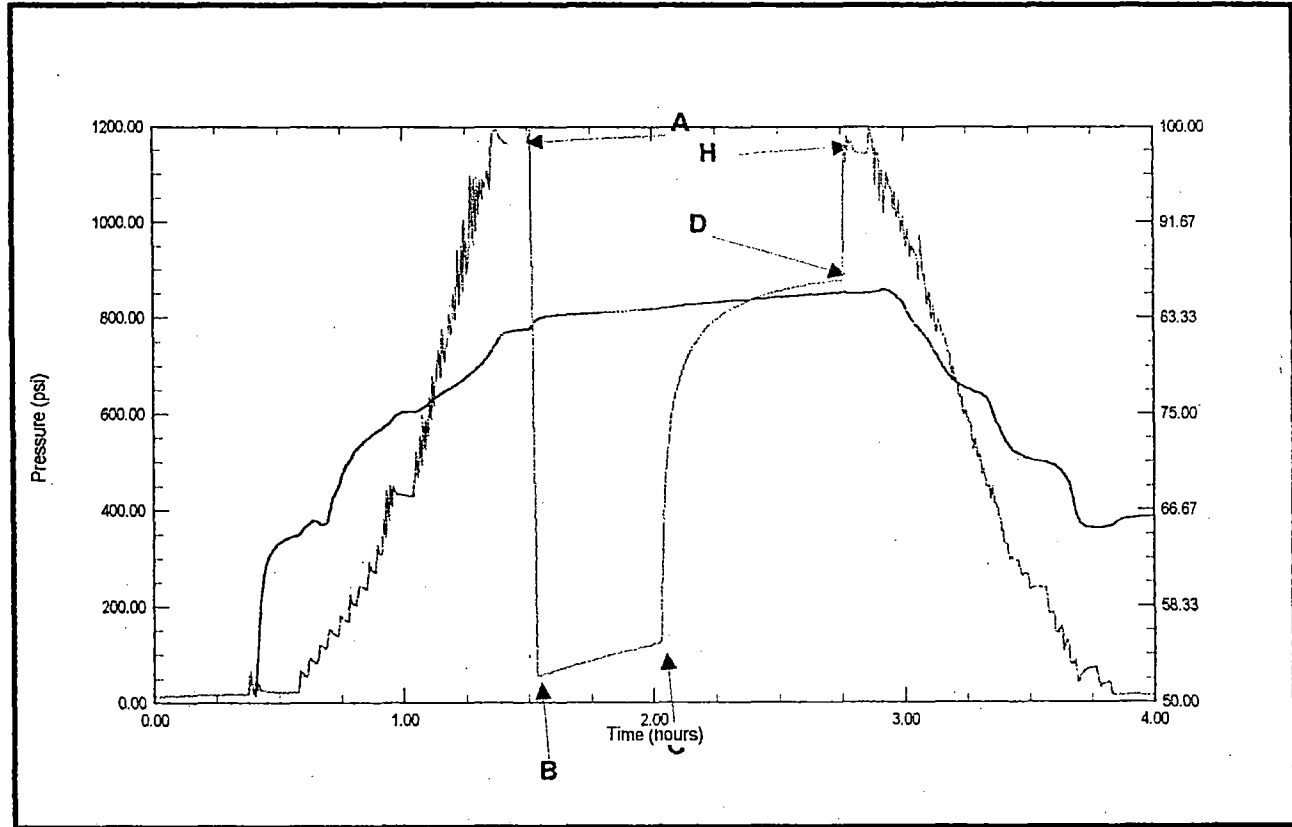
Test Date December 5, 1997

County

Sec Town Range 25'N & 80'W OF C NE

Field

Report Number 11669



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	1161	psi
(B)	Initial Flow Pressure	58	psi
(C)	Final Initial Flow Pressure	121	psi
(D)	Initial Shut-In Pressure	876	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	1142	psi

ELECTRONIC REECORDER DEPTH2395ft,RECORDER NUMBER78225

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. SNIDER #1-3 Test #: 4 Date: 12-4-1997
 SEC. 3 TWP. 21S RGE. 11W

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 SNIDER #1-3
Formation Tested
Test Number 4
State KANSAS
County STAFFORD
Field
Test Date 5-Dec-97
Section Town Range 25'N & 80'W OF C NE/4 3-21S-11W
Report Number 11669
Elevation Ground Level 1765
Elevation Kelly Bushings 1773
Company Representative WAYNE KIRKMAN
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 YES

Well Information

Drilling Contractor STERLING DRILLING RIG #4

Drill Pipe Length 1797
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 9.30
Viscosity 47.00
Water Loss 11.2
Chlorides - Pits 10,000
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 2365
Bottom packer Depth 2370
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 2370
Test Interval (to) 2402.00
Anchor Length 32
Total Depth (ft) 2402
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	86	
Initial Hydrostatic Pressure	1161	
Initial Flow Pressure	58	
Final Initial Flow Pressure	121	
Initial Shut-In Pressure	876	
Initial Final Flow Pressure	NONE TAKEN	
Final Flow Pressure	NONE TAKEN	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	1142	
Electronic Recorder Depth	2395	
Recorder Number	78225	
Mechanical Recorder Depth	2399	
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) 12:00
 Tool Open (to) 12:30
 Duration (min) 30

Initial Shut-in

Tool Closed (from) 12:30
 Tool Closed (to) 1:15
 Duration (min) 45

Final Open

Tool Open (from) 1:15
 Tool Open (to) 0:00
 Duration (min) 0

Final Shut-in

Tool Closed (from) 0:00
 Tool Closed (to) 0:00
 Duration (min) 0

Recovery Description

Initial Blow WEAK BUILDING BLOW BUILT TO A 3 INCH STEADY BLOW

Final Blow NONE TAKEN

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) SLIGHTLY MUDDY WATER CHLORIDES 131000	150				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	150				

Superior Testers Enterprises, Inc. ORIGINAL

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

Date 12-5-1997 Location 25 1/4' 80' W of C-NE 43-21-11 Elevation 1773 K.B. County Stafford
1764 G.L.

Company F.G. HOLL COMPANY L.L.C. Number of Copies 5

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

Drilling Contractor STERLING DRILLING RIG #4

Length Drill Pipe 2033 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 542 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 2600 Bottom Packer Depth 2605 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2605 TO 2659 ANCHOR LENGTH 54 TOTAL DEPTH 2659 Hole Size 7 1/8"

LEASE & WELL NO. SLIDER #1-3 FORMATION TESTED _____ TEST NO. 5

Mud Weight 9.3 Viscosity 41 Water Loss 12.8 Chlorides - Pits 14000 D.S.T. _____

Maximum Temp. 92 °F Initial Hydrostatic Pressure (A) 1283 P.S.I. Final Hydrostatic Pressure (H) 1270 P.S.I.

Tool Open I.F.P. from 6:30 P.m. to 7:00 P.m. 30 min from [B] 211 P.S.I. to [C] 202 P.S.I.

Tool Closed I.C.I.P. from 7:00 P.m. to 7:30 P.m. 30 min [D] 964 P.S.I.

Tool Open F.F.P. from NONE m to TAKEN m 0 min from [E] -0- P.S.I. to [F] -0- P.S.I.

Tool Closed F.C.I.P. from NONE m to TAKEN m 0 min [G] -0- P.S.I.

Initial Blow NO BLOW FLUSHED TOOL-TOOL SLID 10 FEET SURGING BLOW FLUSHED TOOL 4-

Final Blow NONE TAKEN 5 TIMES VERT PROD PLUGGING ACTION

Total Feet Recovered 150 Gravity of Oil _____ Corrected _____

<u>150</u> Feet of <u>Drilling mud</u>	% 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 YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 2652 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 2656 Insurance NONE

Price of Job _____

Tool Operator Gene Budig

Approved By _____

NO 11670

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SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

SNIDER #1-3 SEVERY SAND

State KANSAS

Test Date December 5, 1997

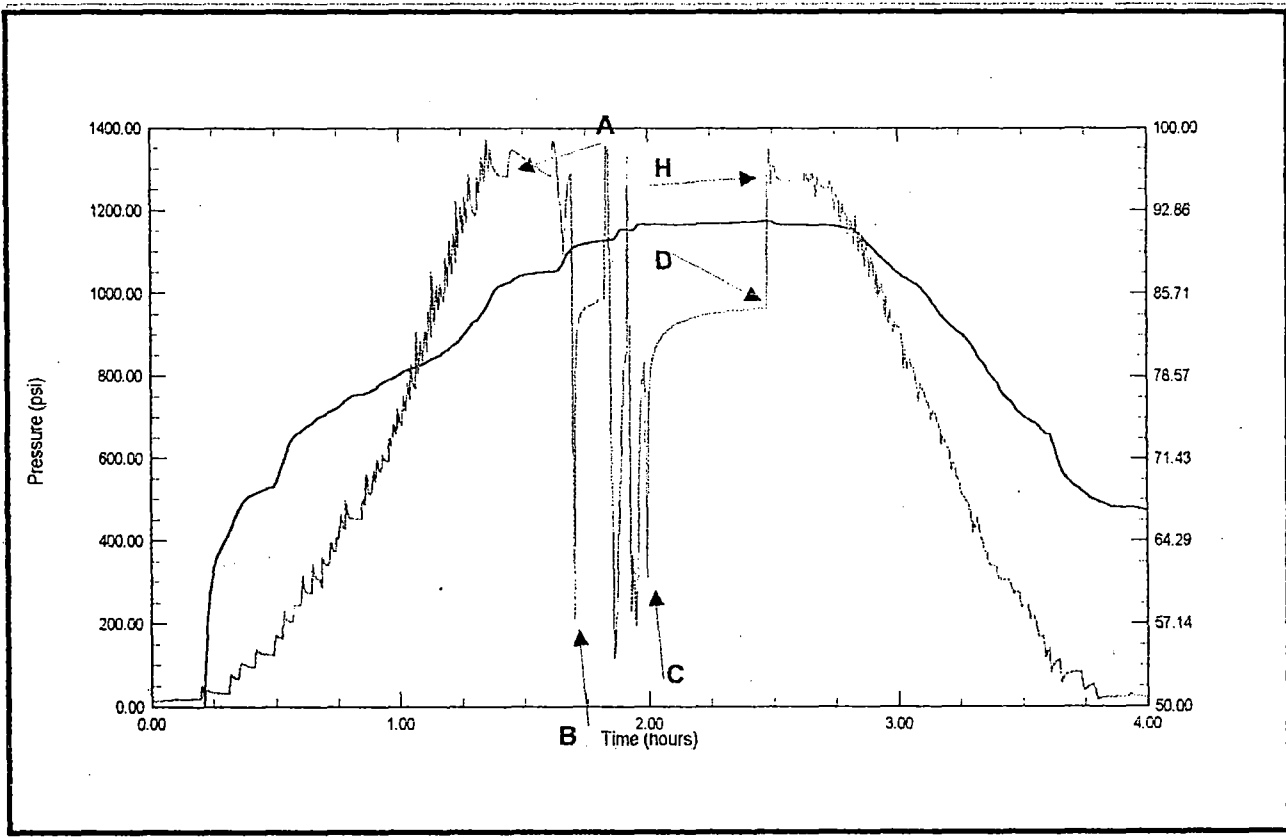
County

Sec Town Range 25'N & 80'W OF C NE

Field

Report Number 11670

Company: F.C. OLL COMPANY L.L.C. Lease & Well No. SNIDER #1-3 Test #: 5 Date: 12-5-1997
 SEC. 3 TWP. 21S RGE. 11W



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	1283	psi
(B)	Initial Flow Pressure	211	psi
(C)	Final Initial Flow Pressure	202	psi
(D)	Initial Shut-In Pressure	964	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	1270	psi

ELECTRONIC REECORDER DEPTH 2652ft, RECORDER NUMBER 78225

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 SNIDER #1-3
Formation Tested SEVERY SAND
Test Number 5
State KANSAS
County STAFFORD
Field
Test Date 5-Dec-97
Section Town Range 25'N & 80'W OF C NE/4 3-21S-11W
Report Number 11670
Elevation Ground Level 1764
Elevation Kelly Bushings 1773
Company Representative WAYNE KIRKMAN
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 YES

Well Information

Drilling Contractor STERLING DRILLING RIG #4

Drill Pipe Length 2033
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 9.30
Viscosity 41.00
Water Loss 12.8
Chlorides - Pits 14,000
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 2600
Bottom packer Depth 2605
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 2605
Test Interval (to) 2659.00
Anchor Length 54
Total Depth (ft) 2659
Hole Size (in) 7 7/8

Pressure Readings

	Field Reading	Office Reading
Maximum Temp	92	
Initial Hydrostatic Pressure	1283	
Initial Flow Pressure	211	
Final Initial Flow Pressure	202	
Initial Shut-In Pressure	964	
Initial Final Flow Pressure	NONE TAKEN	
Final Flow Pressure	NONE TAKEN	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	1270	
Electronic Recorder Depth	2652	
Recorder Number	78225	
Mechanical Recorder Depth	2656	
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) 6:30
 Tool Open (to) 7:00
 Duration (min) 30

Initial Shut-in
 Tool Closed (from)
 Tool Closed (to) 7:30
 Duration (min) 30

Final Open
 Tool Open (from)
 Tool Open (to) 0:00
 Duration (min) 0

Final Shut-in
 Tool Closed (from)
 Tool Closed (to) 0:00
 Duration (min) 0

Recovery Description

Initial Blow NO BLOW-FLUSHED TOOL TOOL SLIDE 10 FEET TO
 BOTTOM BLOW INDICATED VERY BAD PLUGGING
 FLUSHED TOOL 4-5 TIMES BLOW INDICATED BAD.
 PLUGGING EVERY TIME

Final Blow NONE TAKEN

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) DRILLING MUD	150				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total					