

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

API NO. 15- 185-22,969.0000 ORIGINAL  
County Stafford  
S/2 SE NW Sec. 17 Twp. 21S Rge. 11W E/W

Operator: License # 5056  
Name: F. G. Holl Company L.L.C.  
Address 6427 E Kellogg  
P.O. Box 780167  
City/State/Zip Wichita, Ks 67278-0167

2260' FNL Feet from S (N) (circle one) Line of Section  
2050' FWL 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 KEELER Well # 3-17

Purchaser: None  
Operator Contact Person: Elwyn H. Nagel  
Phone ( 316 ) 684-8481  
Contractor: Name: Sterling Drilling Co.  
License: 5142  
Wellsite Geologist: Frank Greenbaum

Field Name Snider South Extension  
Producing Formation None  
Elevation: Ground 1773 KB 1782  
Total Depth 3600' PBTD 3460'  
Amount of Surface Pipe Set and Cemented at 278' Feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ ex cat.

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SUD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan  
(Date must be collected from the Reserve Pit)  
Chloride content 69,000 ppm Fluid volume NA bbls  
Dewatering method used Truck Hauling/Evaporation  
Location of fluid disposal if hauled offsite:

If Workover/Re-Entry, provide info as follows:  
Operator: Rad  
Well Name: 1 1996  
Comp. Date: 8/17/94 Pld Total Depth: 3600'  
Re-perf. 8/24/94 Conv. to Inj/SUD 10/5/94  
Plug Back \_\_\_\_\_ PBTD \_\_\_\_\_  
Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
Other (SUD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
Spud Date Date Reached TD Completion Date

Operator Name F. G. Holl Company L.L.C.  
Lease Name RADER License No. 5056  
NE Quarter Sec. 18 Twp. 21S Rng. 11W E/W  
County Stafford Docket No. D26046

CONFIDENTIAL

FROM CONFIDENTIAL TO CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 temporary plugged 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 Elwyn H. Nagel  
Title Elwyn H. Nagel, Manager Date 10/19/94  
Subscribed and sworn to before me this 19th day of October, 1994.  
Notary Public V. Jean Feil  
Date Commission Expires \_\_\_\_\_

V. JEAN FEIL  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 8-31-97

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

OCT 19 1994

Operator Name F. G. Holt Company L. L. C.

Lease Name KEELER

Well # 3-17

Sec. 17 Twp. 21 Rge. 11W

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:  
DIFL  
ZDL-CN  
ML  
CALIPER PLOT

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
TOPEKA	2711	(-929)
HEEBNER	2999	(-1217)
DOUGLAS	3032	(-1250)
BROWN LIME	3128	(-1346)
LANSING	3144	(-1362)
BKC	3373	(-1591)
CONGLOMERATE	3392	(-1610)
VIOLA	3403	(-1621)
SIMPSON SAND	3416	(-1634)
ARBUCKLE	3472	(-1690)

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
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"	24#	278'	60/40 Poz.	225	2%gel, 3%cc
Production	7 7/8"	5 1/2"	14#	3595'	Lite + 50/50 Poz. <del>40/40</del> Mix	50	10% SALT & Floccule

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
1 BSPF	3471-3472 Arbuckle		
4 BSPF	3473-3476 & 3477-3479 Arbuckle CTBP @ 3460'		
4 BSPF	3416-3420 Simpson Sand	Rigged up to frac. Couldn't establish rate due to high pressure	
Reperf	3416-3420 Simpson Sand	Spotted 100 gal 7 1/2% acetic acid	

TUBING RECORD Size None Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SUD or In]. TA Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 0 Bbls. Gas 0 Mcf Water 0 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-16.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Conmingled  Other (Specify) \_\_\_\_\_

Production Interval TA

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

# ORIGINAL

Date 8-21-1994 Location 1/2-5/8" NW 17-21" N 1713 G.L. Elevation 1782 K.G. County Stafford

Company F.C. Hall Company LLC. 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 2827 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 427 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3270 Bottom Packer Depth 3275 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3275 TO 3340 ANCHOR LENGTH 65 TOTAL DEPTH 3340 Hole Size 7 1/8"

LEASE & WELL NO. Keller # 3-17 FORMATION TESTED LKC

Mud Weight 9.4 Viscosity 48 Water Loss 14.4 Chlorides - Pits 4000 D.S.T. \_\_\_\_\_

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 1715 P.S.I. Final Hydrostatic Pressure (H) 1660 P.S.I.

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

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

Tool Open F.F.P. from 5:30 A.M. to 5:45 A.M. 15 min

Tool Closed F.C.I.P. from 5:45 A.M. to 6:15 A.M. 30 min

Initial Blow weak blow for 7 minutes & DIED

from [B] <u>100</u> P.S.I. to [C] <u>66</u> P.S.I.
[D] <u>211</u> P.S.I.
from [E] <u>100</u> P.S.I. to [F] <u>66</u> P.S.I.
[G] <u>122</u> P.S.I.

RELEASED

Final Blow no blow

## CONFIDENTIAL

Total Feet Recovered 10 Gravity of Oil 19.96 Corrected

Feet of	% Gas	% Oil	% Mud	% Water
<u>10</u> Feet of <u>Drilling Mud with a Trace of oil &amp;</u>				
<u>A Good Show of oil between the</u>				
<u>Tools</u>				
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

OCT 19  
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Remarks \_\_\_\_\_

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

Top Recorder No. 11024 Clock No. 47441 Depth 3333 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11027 Clock No. 47442 Depth 3336 Insurance NONE

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

Tool Operator Gene Budig

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, 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.

No 11163

OCT 19 1994

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

# ORIGINAL

Date B-21-1994 Location 5/4-5/4-NW 17-21-11W Elevation 1782 HB County Stafford

Company F.G. Hall Company 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 2957 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 427 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3400 Bottom Packer Depth 3405 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3405 TO 3435 ANCHOR LENGTH 30 TOTAL DEPTH 3435 Hole Size 7 7/8"

LEASE & WELL NO. Keller # 3-17 FORMATION TESTED Unlocked Simpson Sand TEST NO. 2

Mud Weight 9.31 Viscosity 49 Water Loss 12% Chlorides - Pits 6000 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 7:15 P.m. to 7:45 P.m. 30 min from [B] \_\_\_\_\_ P.S.I. to [C] \_\_\_\_\_ P.S.I.

Tool Closed I.C.I.P. from 7:45 P.m. to 8:45 P.m. 60 min [D] \_\_\_\_\_ P.S.I.

Tool Open F.F.P. from 8:45 P.m. to 9:15 P.m. 30 min from [E] \_\_\_\_\_ P.S.I. to [F] \_\_\_\_\_ P.S.I.

Tool Closed F.C.I.P. from 9:15 P.m. to 10:15 P.m. 60 min [G] \_\_\_\_\_ P.S.I.

Initial Blow Fair blow bottom of the bucket in 30 sec. to 15 sec. blow in 12 min.

Final Blow No blow - Flushed tool - 3 inch blow Died in 7 minutes.

Total Feet Recovered 695 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

695 Feet of Drilling Mud no shows FROM 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 PACKERS FAILED AT THE START OF THE % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of test picking up 695 feet of % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of Drilling mud cuttings THEN plugged off % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of Test tool % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks \_\_\_\_\_

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

Top Recorder No. 11088 Clock No. 47441 Depth 3429 Ctr. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3432 Insurance NONE

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

Tool Operator Don Buchig RECEIVED

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

No 11164

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.

OCT 19 1994

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

# ORIGINAL

Date 8-22-1994 Location NE-SE-NW 17-21-11<sup>W</sup> Elevation 1782 County Stafford

Company F.G. Hall Company 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 2924 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" N.H.

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

Length Drill Collars 427 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" N.H.

Top Packer Depth 3367 Bottom Packer Depth 3372 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3372 TO 3435 ANCHOR LENGTH 63 TOTAL DEPTH 3435 Hole Size 7 1/8"

LEASE & WELL NO. Keller #3-17 FORMATION TESTED Violacherts Simpson TEST NO. 31

Mud Weight 9.3 Viscosity 47 Water Loss 12 Chlorides - Pits 1000 D.S.T. 24000

Maximum Temp. 110 °F Initial Hydrostatic Pressure (A) 1771 P.S.I. Final Hydrostatic Pressure (H) 1749 P.S.I.

Tool Open I.F.P. from 1:30 Am to 2:00 Am 30 min

Tool Closed I.C.I.P. from 2:00 Am to 3:00 Am 60 min

Tool Open F.F.P. from 3:00 Am to 4:00 Am 60 min

Tool Closed F.C.I.P. from 4:00 Am to 5:30 Am 90 min

Initial Blow WEAK building blow built to 5 1/2 inches into the water

Final Blow WEAK STEADY Blow built to 1 1/2 inch

Total Feet Recovered 435 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

250 Feet of Gas in the pipe **CONFIDENTIAL** % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

2 Feet of clean oil on top % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

73 Feet of VERY SLIGHTLY oil cut mud 0% Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

120 Feet of VERY SLIGHTLY oil cut muddy water 0% Gas LESS THAN 1 % Oil 25 % Mud 75 % Water

120 Feet of VERY SLIGHTLY oil cut muddy water 0% Gas LESS THAN 1 % Oil 20 % Mud 80 % Water

120 Feet of Muddy water trace of oil 0% Gas SLIGHT TRACE % Oil 10 % Mud 90 % Water

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

\_\_\_\_\_ Feet of **RELEASED** nil % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

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

Remarks NOV 1 1996 OCT 19

**FROM CONFIDENTIAL CONFIDENTIAL**

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

Top Recorder No. 11088 Clock No. 47441 Depth 3429 Cir. Sub. NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3432 Insurance NONE

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

Tool Operator Steve Buldy **RECEIVED**

Approved By \_\_\_\_\_ **KANSAS CORPORATION COMMISSION**

No 11165

OCT 19 1994

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 opinions 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.

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

(316) 792-6902

# ORIGINAL

Date 8-22-1994 Location 3/4 - 5/8 NW 17-25-11" Elevation 1782KB County Stafford

Company F.G. Hall Company Number of Copies 5

Charts Mailed to 6427 East Kellogg P.O. Box 780167 Wichita Kansas 67298-0167

Drilling Contractor Sterling Drilling Rig #4

Length Drill Pipe 3028 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" A.H.

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

Length Drill Collars 427 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" A.H.

Top Packer Depth 3465 Bottom Packer Depth 3470 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3470 TO 3481 ANCHOR LENGTH 11 TOTAL DEPTH 3481 Hole Size 7 1/8"

LEASE & WELL NO Keller #3-17 FORMATION TESTED Arbuckle TEST NO. 41

Mud Weight 9.41 Viscosity 55 Water Loss 9.4 Chlorides - Pits 9000 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 4:30 P.m to 5:00 P.m 30 min

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

Tool Open F.F.P. from 5:30 P.m to 5:50 P.m 20 min

Tool Closed F.C.I.P. from 5:50 P.m to 6:05 P.m 15 min

Initial Blow Strong blow - Decrease to no blow in 10 minutes

Final Blow No blow - Flushed tool 3 times - Surging building blow kept dying

Total Feet Recovered 740 NOV 1 1996 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

740 Feet of Heavy thick 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 001 % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

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

Feet of MISS RUN PLUGGED ANCHOR - % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of MUD NEVER DROPPED DOWN THE % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of HOLE DURING THE ENTIRE TEST % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks CHARTS SHOWS EVERY TIME TOOL WAS FLUSHED THERE WAS

A GOOD AMOUNT OF MUD @ PICKED UP

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

Top Recorder No. 11088 Clock No. 4744 Depth 3475 Ctr. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 4742 Depth 3478 Insurance NONE

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

Tool Operator Jane Smith RECEIVED

Approved By \_\_\_\_\_ KANSAS CORPORATION COMM

No 11166

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 opinions 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.

OCT 19 1994

CONSERVATION DIVISION  
WICHITA, KS

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

# ORIGINAL

Date 8-23-1994 Location 9E-9E-14W 17-21-11W Elevation 1782.46 County Stafford

Company F.G. HOLL COMPANY 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 3018 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 427 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3466 Bottom Packer Depth 3471 Number of Packers 01 Packer Size 6 3/4"

TESTED FROM 3471 TO 3484 ANCHOR LENGTH 13 TOTAL DEPTH 3484 Hole Size 7 1/8"

LEASE & WELL NO. KELLER # 3-17 FORMATION TESTED ARBUCKLE TEST NO. 5

Mud Weight 9.4 Viscosity 55 Water Loss 9.4 Chlorides - Pits 9000 D.S.T.

Maximum Temp. 112 °F Initial Hydrostatic Pressure (A) 1792 P.S.I. Final Hydrostatic Pressure (H) 1780 P.S.I.

Tool Open I.F.P. from 4:15 A.M. to 4:30 A.M. 15 min

Tool Closed I.C.I.P. from 4:30 A.M. to 5:00 A.M. 30 min

Tool Open F.F.P. from 5:00 A.M. to 5:20 A.M. 20 min

Tool Closed F.C.I.P. from 5:20 A.M. to 5:50 A.M. 30 min

from [B] _____ P.S.I. to [C] _____ P.S.I.
[D] _____ P.S.I.
from [E] _____ P.S.I. to [F] _____ P.S.I.
[G] _____ P.S.I.

Initial Blow Strong blow bottom of the bucket in 30 sec. DECREASED to no blow in

Final Blow Strong blow bottom of the bucket in 43 sec. DECREASED & DIED in 10 min

Total Feet Recovered 900 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

<u>900</u> Feet of <u>Drilling mud - Plugged Anchor - After</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of <u>Picking up mud - mud never went</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of <u>Down the hole during the entire</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of <u>TEST</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of <u>Missed</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of <u>nil</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of <u>OCT 19</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of <u>CONFIDENTIAL</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____

## CONFIDENTIAL

## RELEASED

Remarks String weighted 69,000 when got on bottom 76,000 when pulled 100' loose

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

Top Recorder No. 11088 Clock No. 47441 Depth 3478 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11097 Clock No. 47442 Depth 3491 Insurance NONE

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

Tool Operator Jane Buldy

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

NO 11167

OCT 19 1994

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.

# HALLIBURTON ORIGINAL

INVOICE

INVOICE NO. DATE

663200 08/17/19

WELL LEASE NO./PROJECT WELL/PROJECT LOCATION STATE OWNER

KEELER 3-17 STAFFORD KS SAME

SERVICE LOCATION CONTRACTOR JOB PURPOSE TICKET DATE

OBERLIN STERLING DRILLING CO CEMENT SURFACE CASING 08/17/19

ACCT. NO. CUSTOMER AGENT VENDOR NO. CUSTOMER P.O. NUMBER SHIPPED VIA FILE

392900 V L THOMPSON COMPANY TRUCK 752

F G HOLL  
P O BOX 158  
BELPRE, KS 67519

## CONFIDENTIAL

DIRECT CORRESPONDENCE TO:  
OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO. DESCRIPTION QUANTITY UM UNIT PRICE AMOUNT

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	44 MI		2.75	121.00
		1 UNT			
001-016	CEMENTING CASING	281 FT		585.00	585.00
		1 UNT			
030-503	WOODEN TOP PLUG	8 5/8 IN		95.00	95.00
		1 EA			
504-136	CEMENT - 40/60 POZMIX STANDARD	225 SK		6.08	1,368.00
509-406	ANHYDROUS CALCIUM CHLORIDE	6 SK		36.75	220.50
500-207	BULK SERVICE CHARGE	237 CFT		1.35	319.95
500-306	MILEAGE CMTG MAT DEL OR RETURN	216.33 TMI		.95	205.51

INVOICE SUBTOTAL 2,914.96

DISCOUNT-(BID) 582.99

INVOICE BID AMOUNT 2,331.97

\*-KANSAS STATE SALES TAX 82.87

\*-DECATUR COUNTY SALES TAX 16.90

KCC  
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KANSAS CORPORATION COMMISSION

NOV 1 1996

OCT 19 1994

FROM CONFIDENTIAL

CONSERVATION DIVISION  
WICHITA, KS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$2,431.74

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.



HALLIBURTON

INVOICE

ORIGINAL

INVOICE NO.	DATE
614517	08/24/19

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
KEELER 3-17		STAFFORD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		STERLING DRILLING	CEMENT PRODUCTION CASING		08/24/19
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE
392900	DELMAR MANNING			COMPANY TRUCK	756

F G HOLL  
P O BOX 158  
BELPRE, KS 67519

**CONFIDENTIAL**

DIRECT CORRESPONDENCE TO:  
OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	44	MI	2.75	121.00
		1	UNT		
001-016	CEMENTING CASING	3595	FT	1,570.00	1,570.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	5 1/2	IN	60.00	60.00
		1	EA		
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	185.00	185.00
018-317	SUPER FLUSH	12	SK	100.00	1,200.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	121.00	121.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	110.00	110.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00
815.19313					
40	CENTRALIZER-5-1/2 X 8-1/2	5	EA	44.00	220.00
806.60022					
60	SCRATCHER-ROTO WALL-WIRE	20	EA	22.00	440.00
806.71001					
66	CLAMP-LIMIT-5-1/2 HINGED	23	EA	12.00	276.00
806.72030					
504-316	CEMENT - HALL. LIGHT STANDARD	50	SK	6.82	341.00
504-130	CEMENT - 50/50 POZNIK STANDARD	125	SK	5.73	716.25
508-291	GILSONITE BULK	625	LB	.40	250.00
509-968	SALT	1150	LB	.15	172.50
507-210	FLOCELE	16	LB	1.65	26.40
507-153	CFR-3	76	LB	4.85	368.60
509-968	SALT NOT MIXED	400	LB	.15	60.00
500-207	BULK SERVICE CHARGE	206	CFT	1.35	278.10
500-306	MILEAGE CMTG MAT DEL OR RETURN	183.931	TMI	.95	174.73

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OCT 19  
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INVOICE SUBTOTAL

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\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

OCT 19 1994

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 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.

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

COPY

API NO: 15- 185-22,969.0000 ORIGINAL

Operator: License # 5056

Name: F. G. Holl Company L.L.C.

Address 6427 E Kellogg

P.O. Box 780167

City/State/Zip Wichita, Ks 67278-0167

Purchaser: None

Operator Contact Person: Elwyn H. Nagel

Phone ( 316 ) 684-8481

Contractor: Name: Sterling Drilling Co.

License: 5142

Wellsite Geologist: Frank Greenbaum

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  EXHR  SIGW  
 Dry  Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: None

Well Name: OCT 19

Comp. Date 8/17/94 Old Total Depth 3600'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT  
 Cemented  Docket No.           
 Dual Completion  Docket No.           
 Other (SWD or Inj?)  Docket No.         

8/17/94 8/24/94 10/5/94  
Spud Date Date Reached TD Completion Date

County Stafford

S/2 SE NW Sec. 17 Twp. 21S Rge. 11W

2260' FNL Feet from S (circle one) Line of Section

2050' FWL Feet from E (circle one) Line of Section

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

Lease Name KEELER Well # 3-17

Field Name Snider South Extension

Producing Formation None

Elevation: Ground 1773 KB 1782

Total Depth 3600' PBDT 3460'

Amount of Surface Pipe Set and Cemented at 278' 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 cnt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride content 69,000 ppm Fluid volume NA bbls

Dewatering method used Truck Hauling/Evaporation

Location of fluid disposal if hauled offsite:         

Operator Name F. G. Holl Company L.L.C.

Lease Name RADER License No. 5056

NE Quarter Sec. 18 Twp. 21 S Rng. 11W E/W

County Stafford Docket No. D26046

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KANSAS CORPORATION COMMISSION

OCT 19 1994

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 temporary 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.

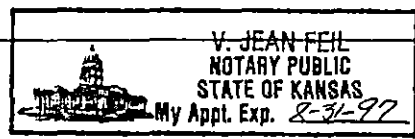
Signature Elwyn H. Nagel

Title Elwyn H. Nagel, Manager date 10/19/94

Subscribed and sworn to before me this 19th day of October 19 94.

Notary Public V. Jean Feil

Date Commission Expires         



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