

FORM MUST BE TYPED

SIDE ONE

CONFIDENTIAL ORIGINAL

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

RELEASED

MAR 14 1996

API NO. 15- 185-22,948  
County Stafford  
75'S. SW. NW. SW Sec. 8 Twp. 21S Rge. 11W

Operator: License # 5056 FROM CONFIDENTIAL  
Name: F. G. Holl Company L.L.C.  
Address 6427 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: Franklin R. Greenbaum

575' FSL Feet from S/N (circle one) Line of Section  
330' 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 # 2-8  
Field Name Sandago KCC  
Producing Formation Arbuckle FEB 21  
Elevation: Ground 1797 KB 1806  
Total Depth 3515 PBTD NA  
Amount of Surface Pipe Set and Cemented at 279' KB 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/ \_\_\_\_\_ sx cmt.

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

If Workover/Re-Entry: old well info as follows  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conversion \_\_\_\_\_  
Plug Back \_\_\_\_\_ PBTD \_\_\_\_\_  
Cemented \_\_\_\_\_ Docket No. \_\_\_\_\_  
Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
11-18-93 11-24-93 1-26-94  
Spud Date Date Reached TD Completion Date

Drilling Fluid Management Plan 7-25-94 CB  
(Data must be collected from the Reserve Pit)  
Chloride content 52,000 ppm Fluid volume 1,285 bbls  
Reversing 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. D-26.046

RECEIVED  
KANSAS CORPORATION COMMISSION  
FEB 21 1994  
OIL & GAS CONSERVATION DIVISION  
WICHITA, KS

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 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 Elwyn H. Nagel  
Title Elwyn H. Nagel Date 2/21/94  
Subscribed and sworn to before me this 21st day of February 19 94.  
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  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

SIDE TWO

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

Lease Name KEELER

Well # 2-8

Sec. 8 Twp. 21 Rge. 11W

East  
 West

County Stafford

**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/ML  
DIFL  
MINILOG/GR  
CALIPER PLOT

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
TOPEKA	2720	-914
HEEBNER	3004	-1198
DOUGLAS SHALE	3036	-1230
BROWN LIME	3128	-1322
LANSING	3146	-1340
BKC	3371	-1565
CONGLOMERATE	3388	-1582
SIMPSON SHALE	3393	-1587
ARBUCKLE	3408	-1602
RTD	3515	-1709

**CASING RECORD**

New  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"	20#	279'	60/40 Poz	225	2%gel, 3%cc
PRODUCTION	7 7/8"	5 1/2"	14#	3510'	LITE	50	
					HOLL MIX	125	

**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
4 SPF	3445 to 3452 Arbuckle		
4 SPF	3439 to 3442 Arbuckle		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	3450'		<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
1/26/94	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	75	-0-	100		

Disposition of Gas:  
 Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

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

Production Interval \_\_\_\_\_

Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL

15.185.22948.0000  
Phone Ness City 913-798-1143

# ALLIED CEMENTING CO., INC.

3764

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	11-18-93	Sec.	8	Twp.	21	Range	11	Called Out	12:45 PM.	On Location	2:30 PM	Job Start	4:00 PM	Finish	4:30 PM
Lease	Keeler	Well No.	2-8			Location	Ellinwood, State of Kan. 25, 2E, 4N, 5A			County	Stafford	State	KS		
Contractor	Sterling #4					Owner	SMA R								
Type Job	Surface					To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Hole Size	12 1/4"		T.D. 285'												
Csg.	8 5/8"		Depth 282'												
Tbg. Size			Depth KCC												
Drill Pipe			Depth FEB 21												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint CONFIDENTIAL												
Press Max.			Minimum												
Meas Line			Displace 17 bbl.												
Perf.															

ORIGINAL

### EQUIPMENT

#	No.	Cementer	Tim
Pumptrk	181	Helper	Bob W.
#	No.	Cementer	
Pumptrk		Helper	
#	No.	Driver	Bob B.
Bulktrk	101	Driver	

DEPTH of Job		
Reference:	Pumptrk Charge	430.00
20	Pumptrk Mileage	45.00
1	8 5/8" Wooded Plug	42.00
	<b>Total</b>	<b>517.00</b>

Remarks: Cement Did Circulate,

Charge To E.G. Holl Co.  
Street 16427 E. Kellogg P.O. Box 780167  
City Wichita State KS 62278-0167  
The above was done to satisfaction and supervision of owner agent or contractor. 684-3481  
Purchase Order No. X  
V.L. Thompson  
CEMENT

Amount Ordered	225 SKS 60/40 39cc, 270 gal.			
Consisting of	Common	135	RELEASED 5.75	776.25
	Poz. Mix	90	3.00	270.00
	Gel.	5	7.00	35.00
	Chloride	7	25.00	175.00
	Quickset	FROM CONFIDENTIAL		
	Handling	225	1.00	225.00
	Mileage	20		180.00
	<b>Total</b>			<b>1661.25</b>

Floating Equipment TOTAL 2178.25  
Disc 435.65

# 1742.60

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KANSAS CORPORATION COMMISSION

FEB 21 1994

Applied Cementing  
By Tim Diebel

CONSERVATION DIVISION  
WICHITA, KS

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

used, sold or furnished... contract, "merchandise" refers to the material... party identified by that term on the front of this contract. "Alleged" shall mean "alleged" as used in the contract. SNOLLISS AND CONDITIONS

CUSTOMER COPY



HALLIBURTON

CONFIDENTIAL

INVOICE NO.	DATE
509939	11/24/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
STAFFORD		STAFFORD		KS	SAME
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE
	STERLING DRILLING CO		CEMENT PRODUCTION CASING		11/24/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
374900	DEBRA - MANNING			COMPANY TRUCK	60020

ORIGINAL  
KCC

P O HOLL,  
P O BOX 158  
HELPRE, KS 67519

FEB 21

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:

OKLAHOMA POWER  
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	40	MI	2.75	110.00
		1	UNT		
001-016	CEMENTING CASING	3501	FT.	1,455.00	1,455.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	5	1/2 IN	60.00	60.00
		1	EA		
018-317	SUPER FLUSH	12	SK	100.00	1,200.00
12A	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	121.00	121.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" BRD	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	4	EA	44.00	176.00
806.60022					
60	ROTO WALL CLEANER 2 1/4"	2	EA	22.00	264.00
807.0007					
66	PASGRIP LIMIT CLAMP 5 1/2"	15	EA	12.00	180.00
807.64031					
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	185.00	185.00
504-316	CEMENT - HALL. LIGHT STANDARD	50	SK	6.43	321.50
504-130	CEMENT - 50/50 POZNIX STANDARD	125	SK	5.35	668.75
509-960	SALT	1150	LB	.13	149.50
509-968	SALT	400	LB	.13	52.00
508-291	GILSONITE BULK	550	LD	.40	260.00
507-153	CEMENT	76	LD	4.85	368.60
507-210	CEMENT	15	LB	1.40	21.00
507-207	BULK SERVICE CHARGE	211	CFT	1.35	284.85
500-308	MILEAGE CMTG MAT DEL OR TURN	171.17	TMT	.95	162.61

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FEB 21 1994

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

SUBTOTAL 8,204.81

CONSERVATION DIVISION  
WICHITA, KS

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

**ORIGINAL** Superior Testers Enterprises, Inc. **CONFIDENTIAL**  
 P.R. 3, Box 295B, Great Bend, Kansas 67530 API #15-185-22948  
 (316) 792-6902

Date 11-22-1993 Location 75°S-94°-40'-50" W 8-21-11<sup>S</sup> N Elevation 1797 <sup>1806 K.B.</sup> GL. County Stafford

Company F.G. Hall Company Number of Copies 5

Charts Mailed to 6427 East Kellogg P.O. Box 180167 - Wichita Kansas 67278-0167

Drilling Contractor Steering Drilling Rig #4

Length Drill Pipe 2936 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 428 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3390 Bottom Packer Depth 3385 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3385 TO 3415 ANCHOR LENGTH .30 TOTAL DEPTH 3415 Hole Size 7 7/8"

LEASE & WELL NO. KEELER # 2-B FORMATION TESTED Ark buckle TEST NO. 1

Mud Weight 9.31 Viscosity 55 Water Loss 9.4 Chlorides - Pits 4000 D.S.T.

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 1682 P.S.I. Final Hydrostatic Pressure (H) 1638 P.S.I.

Tool Open I.F.P. from 1:15 P.m. to 1:45 P.m. 30 min

from [B] <u>66</u> P.S.I. to [C] <u>133</u> P.S.I.
[D] <u>810</u> P.S.I.
from [E] <u>156</u> P.S.I. to [F] <u>211</u> P.S.I.
[G] <u>700</u> P.S.I.

Tool Closed I.C.I.P. from 1:45 P.m. to 2:45 P.m. 60 min

Tool Open F.F.P. from 2:45 P.m. to 3:15 P.m. 30 min

Tool Closed F.C.I.P. from 3:15 P.m. to 3:45 P.m. 60 min

Initial Blow Fair blow - built to the bottom of a 5 Gallon bucket in 17 minutes

Final Blow Fair blow built to 8 inches into the water

Total Feet Recovered 380 Gravity of Oil 43 1/2 Corrected

300 Feet of Gas in the Pipe **KCC** % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

260 Feet of CLEAN GASSY Oil % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

60 Feet of Gassy oil cut mud **FEB 21 1994** → 24 % Gas 12 % Oil 60 % Mud 2 % Water

60 Feet of GASSY Oil Cut mud **CONFIDENTIAL** 48 % Gas 12 % Oil 28 % Mud 2 % 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 YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 1108X Clock No. 47441 Depth 3409 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3412 Insurance NONE

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

Tool Operator Alan 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.

№ 11060

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**CONFIDENTIAL**  
 CONSERVATION DIVISION  
 WICHITA, KS  
 MAR 14 1996  
 FEB 21 1994

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

995-3323

API # 15-185-22948

Date 11-23-1993 Location 75'S-24'W-14'N-5'W 8-21-11'W Elevation 1806 K.B. 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 2971 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 428 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3415 Bottom Packer Depth NONE RUN Number of Packers 1 Packer Size 6 3/4"

TESTED FROM 3415 TO 3428 ANCHOR LENGTH 13 TOTAL DEPTH 3428 Hole Size 7 7/8"

LEASE & WELL NO. KEELEN # 2-8 FORMATION TESTED ARBUCKLE TEST NO. 2

Mud Weight 9.3 Viscosity 55 Water Loss 9.4 Chlorides - Pits 4000 D.S.T. 8000

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 1704 P.S.I. Final Hydrostatic Pressure (H) 1625 P.S.I.

Tool Open I.F.P. from 12:45 A.M. to 1:15 A.M. 30 min

Tool Closed I.C.I.P. from 1:15 A.M. to 2:15 A.M. 60 min

Tool Open F.F.P. from 2:15 A.M. to 3:15 A.M. 60 min

Tool Closed F.C.I.P. from 3:15 A.M. to 4:45 A.M. 90 min

Initial Blow Good blow - built to the bottom of a 7 Gallon bucket in 3 minutes

Final Blow Fair blow - built to the bottom of a 7 Gallon bucket in 12 minutes

Total Feet Recovered 840 Gravity of Oil 39 1/2 Corrected

575 Feet of GAS IN THE PIPE **KCC** 100% Gas 0% Oil 0% Mud 0% Water

720 Feet of CLEAR GASSY OIL **FEB 21** 20% Gas 80% Oil 0% Mud 0% Water

60 Feet of GASSY MUDDY OIL **CONFIDENTIAL** 24% Gas 18% Oil 50% Mud 8% Water

60 Feet of GASSY MUDDY OIL 28% Gas 22% Oil 40% Mud 10% Water

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

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

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

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

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

Remarks MAR 14 1996 **RECEIVED** **KANSAS CORPORATION COMMISSION** **FEB 21 1994** **CONSERVATION DIVISION WICHITA, KS** **CONFIDENTIAL**

**FROM CONFIDENTIAL**

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

Top Recorder No. 11088 Clock No. 47441 Depth 3422 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3425 Insurance NONE

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

Tool Operator Jane Suda

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

No. 11061

**ORIGINAL**

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.