

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5056  
Name: F.G. Holl Company, L.L.C.  
Address: 6427 E. Kellogg, P.O. BOX 780167  
City/State/Zip: Wichita, Kansas, 67278-0167  
Purchaser: NCRA  
Operator Contact Person: Elwyn Nagel  
Phone: (316) 684-8481  
Contractor: Name: Sterling Drilling Company  
License: 5142  
Wellsite Geologist: Franklin R. Greenbaum

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

If Workover/Re-entry: Old Well Info as follows:  
Operator: F.G. Holl Company, L.L.C.

Well Name: KEELER  
Original Comp. Date: 01-26-94 Original Total Depth: 3515'  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

<u>RU 10-03-00</u>	<u>11-24-93</u>	<u>RD 10-06-00</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 185-22,948-0002  
County: Stafford  
Sec. 8 Twp. 21S S. R. 11W  East  West  
1575' feet from (S) N (circle one) Line of Section  
330' feet from (W) E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: KEELER Well #: 2-8  
Field Name: Sandago

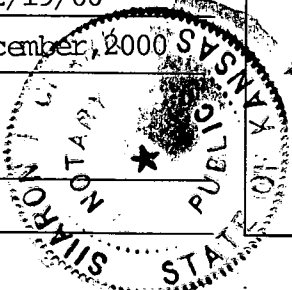
Producing Formation: Arbuckle and Kansas City  
Elevation: Ground: 1797' Kelly Bushing: 1806'  
Total Depth: 3515' Plug Back Total Depth: 3248'  
Amount of Surface Pipe Set and Cemented at 279' KB Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan OWWO 7/17/07  
(Data must be collected from the Reserve Pit)  
Chloride content 52,000 ppm Fluid volume 1,285 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  
Quarter NE Sec. 18 Twp. 21 S. R. 11W  East  West  
County: Stafford Docket No.: D-26,046

**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 of 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 Nagel  
Title: Elwyn Nagel, Manager Date: 12/19/00  
Subscribed and sworn to before me this 19 day of December, 2000  
Notary Public: Sharon S. Clark  
Date Commission Expires: 3-16-03



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: F.G. Holl Company, L.L.C. Lease Name: KEELER Well #: 2-8  
 Sec. 8 Twp. 21S S. R. 11W  East  West County: Stafford

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

MINILOG/GR/ DIFL  
 ZDL/CN/GR/ML  
 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	# Sacs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	279'	60/40POZ	225	2%gel, 3%cc
Production	7 7/8"	5 1/2"	14#	3510'	Lite Holl Mix	50 125	

**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	3445-3452', 3439-3442' Arbuckle		
2 SPF	3379-3381, 3374-3377' LCK "L" Zone	500 gal. 15% NEFE Acid	
2 SPF	3296-3299, 3280-3284' LCK "H" Zone		
2 SPF	3191-3195' LCK "D" Zone	Treated with 500 Ggal. 15% NEFE Acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	3222'	3256'	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr. 10-06-2000  
 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	6				

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)  
 Production Interval LKC

2111

KEELER NO. 2-8

75' S OF SW. NW SW

ZOL. CN. GR. ML



ATLAS  
WIROLINE  
SERVICES

DUAL INDUCTION FOCUSED LOG  
GAMMA RAY

FILE NO.

COMPANY F. G. HOLL COMPANY

RPI NO.

WELL KEELER NO. 2-8

15-185-22948

FIELD KOWALSKI SW

COUNTY STAFFORD STATE KANSAS

FINAL PRINT

LOCATION:

75' S OF SW-NW-SW

SEC 8 TWP 21 S RGE 11 W

OTHER SERVICES

ZOL-CN-GR-ML  
MINILOG-GR  
CALIPER PLOT

PERMANENT DATUM GROUND LEVEL ELEV. 1797

LOGGING MEASURED FROM K. B. 9' FT. ABOVE P.O.

DRILLING MEASURED FROM KELLY BUSHING

ELEVATIONS

KB 1806  
OF ----  
GL 1797

DATE	23 NOV 93		
RUN	1		
SERVICE ORDER	125156		
DEPTH-DRILLER	3515		
DEPTH-LOGGER	3517		
BOTTOM LOGGED INTERVAL	3515		
TOP LOGGED INTERVAL	279		
CASING - DRILLER	8 5/8"	@ 279	@
CASING - LOGGER	279		
BIT SIZE	7 7/8"		
TYPE FLUID IN HOLE	CHEMICAL/DRISPAK		
DENSITY / VISCOSITY	9.3	59'	
PH / FLUID LOSS	10.0	8.0	
SOURCE OF SAMPLE	FLOWLINE		
RM AT MEAS. TEMP.	.662	@ 60 F	@
RMF AT MEAS. TEMP.	.497	@ 60 F	@
RMC AT MEAS. TEMP.	.794	@ 60 F	@
SOURCE OF RMF / RMC	MEASURED	MEASURED	
RM AT BHT	.355	@ 112 F	@
TIME SINCE CIRCULATION	3 HOURS		
MAX. REC. TEMP. DEG. F	112 F		

ORIGINAL

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 28 2000

CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL

HEESNER

03000  
3004  
(-1198)

DOUGLASS

3036  
(-1230)

03100

BROWN LINK

3128  
(-1322)

LANSING KANSAS CITY

3146  
(-1340)

A

B

C

D

E

03200

CONGLOMERATE  
SLATE

3388  
(-1582)  
3393

03400

ARBICKLE

3408  
(-1602)

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