

**\*\*CORRECTED COPY\*\***

SIDE ONE

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

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

Purchaser: Permian / Prairie Gas Trans.  
Operator Contact Person: Elwyn H. 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  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If **OMWO**: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

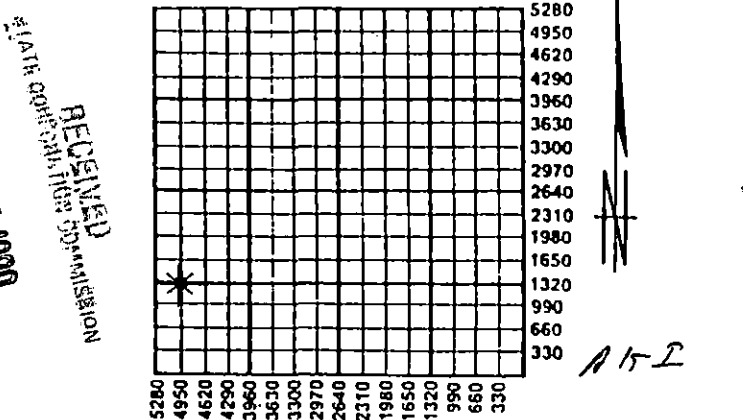
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
3-1-89 3-7-89 4-12-89  
Spud Date Date Reached TD Completion Date

API No. 15- 047-21332-0000  
County Edwards  
C W<sub>2</sub> W<sub>2</sub> SW Sec. 16 Twp. 24 Rge. 17 XX East West

1320 Ft. North from Southeast Corner of Section  
4950 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Britton Well # 1-16  
Field Name Wildcat  
Producing Formation Mississippi Chert

Elevation: Ground 2115 KB 2124  
Total Depth 4525 PBDT 4484

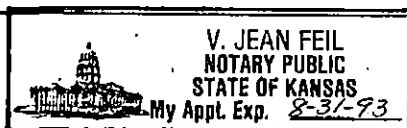


Amount of Surface Pipe Set and Cemented at 351' KB Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 5-22-90  
Subscribed and sworn to before me this 22nd day of May, 19 90.  
Notary Public D. Deaw Deil  
Date Commission Expires \_\_\_\_\_



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

PI

SIDE TWO

Operator Name F. G. Holl Company Lease Name Britton Well # 1-16  
 Sec. 16 Twp. 24 Rge. 17  East County Edwards  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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description  <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample  <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3762</td> <td>(-1638)</td> </tr> <tr> <td>Brown Lime</td> <td>3890</td> <td>(-1766)</td> </tr> <tr> <td>Lansing/ K.C.</td> <td>3899</td> <td>(-1775)</td> </tr> <tr> <td>Base/ K.C.</td> <td>4189</td> <td>(-2065)</td> </tr> <tr> <td>Cherokee Shale</td> <td>4338</td> <td>(-2214)</td> </tr> <tr> <td>Conglomerate Chert</td> <td>4367</td> <td>(-2238)</td> </tr> <tr> <td>Kindergook Chert</td> <td>4408</td> <td>(-2284)</td> </tr> <tr> <td>Kenderhook Sandstone</td> <td>4411</td> <td>(-2287)</td> </tr> <tr> <td>Viola</td> <td>4460</td> <td>(-2336)</td> </tr> <tr> <td>RTD</td> <td>4525</td> <td>(-2401)</td> </tr> </tbody> </table>	Name	Top	Bottom	Heebner	3762	(-1638)	Brown Lime	3890	(-1766)	Lansing/ K.C.	3899	(-1775)	Base/ K.C.	4189	(-2065)	Cherokee Shale	4338	(-2214)	Conglomerate Chert	4367	(-2238)	Kindergook Chert	4408	(-2284)	Kenderhook Sandstone	4411	(-2287)	Viola	4460	(-2336)	RTD	4525	(-2401)
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Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																		
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																		

**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 Casing		8 5/8"	23#	351' KB	60/40 Poz	235	2%gel, 3%cc
Production		4 1/2"	10.5#	4523' KB	Lite Holl Mix	100 125	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2 SPF	4364 to 4384	500 gal. 15% DSFE acid and 50 ball sealers. Frac w/37,000 gal. 250 sx 20/40 sand and 250 sx 12/20 sand.	

**TUBING RECORD** Size 2 3/8" Set At 4360 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 4-12-89 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil 13 Bbls.	Gas 68 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 4364 to 4384

## F. G. HOLL COMPANY

6427 EAST KELLOGG - P.O. BOX 780167  
WICHITA, KS 67278-0167BRITTON 1-16

DST #1: 4340 to 4372 Mississippi

30-60-60-90

IFP 96/75:30 ISIP 828:60 FFP 84/89:60 FSIP 1184:90

IHP 2268 FHP 2160 BHT 116<sup>0</sup>

Recovered 200' of slightly gas cut mud.

GTS in 25 minutes into 2nd flow. Not enough to gauge.

DST #2: 4377 to 4400 Mississippi

30-60-60-90

IFP 92/63:30 ISIP 1335:60 FFP 156/121:60 FSIP 1300:90

IHP 2290 FHP 2184 BHT 117<sup>0</sup>

Recovered 90' of heavy oil and gas cut mud. 120' of slightly mud

cut gassy oil. 120' of oil with a trace of water. 119' of clean

gassy oil. 1' of water with a trace of oil less than 1% oil.

GTS in 40 minutes into 2nd flow

50 min. 6.33 MCF

55 " 6.33 "

60 " 6.33 "

RECEIVED  
STATE OF KANSAS  
CONSERVATION COMMISSION

MAY 23 1990

CONSERVATION DIVISION  
Wichita, Kansas