

**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**

Operator: License # 5056
Name: F.G. Holl Company, L.L.C.
Address: 9431 EAST CENTRAL, P.O. BOX 780167
City/State/Zip: Wichita, Kansas 67278-0167
Purchaser: NCRA
Operator Contact Person: Franklin R. Greenbaum
Phone: (316) 684-8481
Contractor: Name: Sterling Drilling Company, Rig #4
License: 5142
Wellsite Geologist: Kent Roberts
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/Re-entry: Old Well Info as follows:
Operator: F.G. Holl Company, L.L.C.
Well Name: DAVIS "X" # 2-15
Original Comp. Date: 04/26/2002 Original Total Depth: 4830'
☐ 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. _____
RU-08/28/2002 12/08/2001 09/13/2002
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 007-22,691-0000
County: Barber
NE NW NW Sec. 15 Twp. 30 S. R. 13 ☐ East ☒ West
500 feet from S (N) (circle one) Line of Section
1030 feet from E (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: DAVIS "X" OWWO Well #: 2-15
Field Name: Sawyer
Producing Formation: Viola Chert & Kinderhook Chert
Elevation: Ground: 1867' Kelly Bushing: 1876'
Total Depth: 4830' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 1003 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

(Data must be collected from the Reserve Pit)

Chloride content 16,000 ppm Fluid volume 1,200 bbls
Dewatering method used Free Fluids hauled to SWD

Location of fluid disposal if hauled offsite:

Operator Name: F.G. Holl Company, L.L.C.
Lease Name: KENNEDY -30 License No.: 5056
Quarter NE Sec. 30 Twp. 29 S. R. 12 ☐ East ☒ West
County: Pratt Docket No.: D-22,132

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: Franklin R. Greenbaum
Title: Exploration Manager Date: 10/16/2002
Subscribed and sworn to before me this 16th day of October, 2002
19 _____
Notary Public: Betty B. Herring *Betty B. Herring*
Date Commission Expires: 04/30/2006

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: DAVIS "X" OWWO Well #: 1-15
 Sec. 15 Twp. 30 S. R. 13 ☐ East ☒ West County: Barber

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:

HDIL/3CAL/GR/DAL
 ZDL/CN/ML/SL
 CRA/ DIRECTIONAL SURVEY

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Herrington	2093 (-217)	Miss. CH. 4408 (-2532)
Stotler	3049 (-1173)	Kinderhook 4440 (-2564)
Heebner	3749 (-1873)	Viola 4545 (-2669)
Douglas SH.	3785 (-1909)	Viola Chert 4566 (-2690)
LKC	3952 (-2076)	Simpson S 4622 (-2746)
BKC	4348 (-2472)	Arbuckle 4704 (-2828)

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"	24#	1003'KB	A-Con	225sx	3%cc, 1/4#Flo
					50/50 Poz	200sx	2%cc, 1/4#Flo
Production		4-1/2"	10.5#	4815'KB	50/50 Poz	175sx	

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	4441, 43, 45, 46, 47, 49, 51, 54, 56, 58, 60 Kinder	Dropped 250 gal. 10% msa acid in tubing	
	Chert	Treat w/ 2000 gal. 7-1/2 ne w/ DSFE acid.	
3 BSPF	4441' - 4460' Kinderhook Chert	Frac w/ 11,000# 100 Mesh Sand, 39,000#	
		20/40 Ottawa Sand, 12,000# 12/20 Brady Sand	
		& 6,000# AcFrac CR-4000 12/20.	
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size Set At Packer At 2-3/8" 4657.20'			
Date of First, Resumed Production, SWD or Enhr. 09/13/2002		Producing Method <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. 25	Gas Mcf	Water Bbls. 39
Gas-Oil Ratio		Gravity	

Disposition of Gas METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled
☐ Other (Specify)

4441'- 4596' Kinderhook Chert/
 Viola Chert