

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

Operator: License # 5056  
Name F. G. Holl Company  
Address 6427 E Kellogg  
City/State/Zip Wichita, Kansas, 67207

Purchaser(s) Northern and Permian

Operator Contact Person Elywn Nagel  
Phone 684 - 8481

Contractor: License # 5142  
Name Sterling Drilling

Wellsite Geologist Bryce Bidleman  
Phone 684 - 8481

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If OWNED: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
5-16-89 5-27-89 Delayed  
Spud Date Date Reached TD Completion Date  
4410  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 316 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt  
Cement Company Name  
Invoice # A 1-2

API NO. 15-047-21339-0000  
County Edwards  
N/2 SW Sec. 16 Twp 24 Rge. 16 East West

1980 Ft North from Southeast Corner of Section  
3960 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

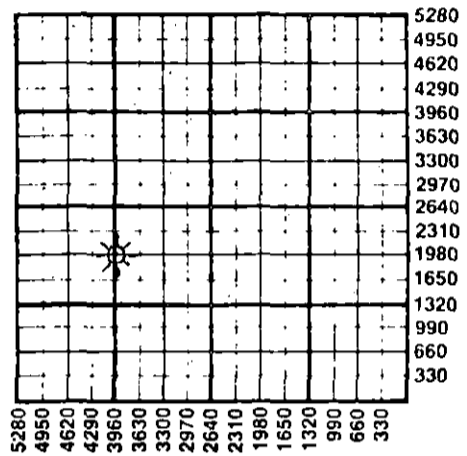
Lease Name Rudd 'A' 6-16 Well #

Field Name Enlow

Producing Formation Kinderhook Sand

Elevation: Ground 2080 KB 2089

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # None Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

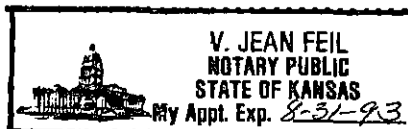
Other (explain) (purchased from city, R.W.D. #)

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. 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 Elywn H. Nagel  
Title Elywn H. Nagel, Manager Date 9/5/89

Subscribed and sworn to before me this 5th day of September 1989  
Notary Public V. Jean Feil  
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)

**SIDE TWO**

Operator Name F. G. Holl Company Lease Name Rudd 'A' 6 - 16 Well #.....

Sec. 16 Twp. 24 Rge. 16  East  West County Edwards

**WELL LOG**

**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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

Name	Top	Bottom
Heebner	3685	(-1596)
Brown Lime	3821	(-1732)
Lansing	3832	(-1743)
Base/Kansas City	4108	(-2019)
Cherokee Shale	4241	(-2152)
Mississippi	4250	(-2161)
Kinderhook Shale	4271	(-2182)
Kinderhook Sand	4291	(-2202)
Viola	4348	(-2259)

CASING RECORD <input type="checkbox"/> New <input 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 Casing		8 5/8"	25#	316KB	60/40Poz	225	2%Gel, 3%cc
Production Casing		4 1/2"	10.5#	4408KB	Lite	100	
					50/50Poz	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	4291 - 4301						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size <u>2 3/8"</u> Set At		Packer at			
Delayed		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	5 Bbls	30 MCF					

**METHOD OF COMPLETION**

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 4291 - 4301  
 Used on Lease

Dually Completed  
 Commingled