

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
RECOMPLETION FORM
ACO-2 AMENDMENT TO WELL HISTORY

API NO. 15- 047-20,688-0001

County Edwards
C SW SW Sec 16 Twp 24 Rge 16 East West

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

660 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Rudd Estate "A" Well # 4-16

Purchaser Northern Natural Gas Co.
Permian Corp.
Operator Contact Person Becky Norris
Phone 316-684-8481

Field Name Enlow

Name of New Formation Conglomerate

Elevation: Ground 2092 KB 2101
Section Plat

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

Date of Original Completion: 6-80

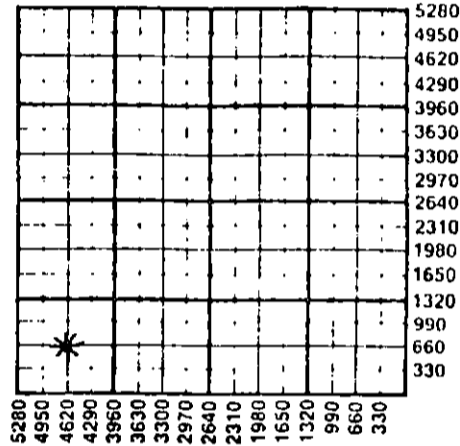
DATE OF RECOMPLETION:
3-27-88 4-6-88
Commenced Completed

Designate Type of Recompletion/Workover:
 Deepening Delayed Completion
 Plug Back Re-perforation

Conversion to Injection/Disposal

Is recompleted production:
 Commingled; Docket No. _____
 Dual Completion; Docket No. _____
 Other (Disposal or Injection)?

RECEIVED
STATE CORPORATION COMMISSION
DEC 6 1988
CONSERVATION DIVISION
Wichita, Kansas



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)
.....
.....
12-6-88

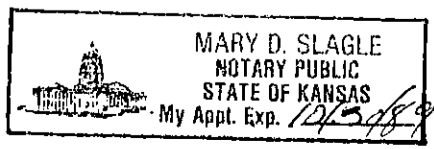
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the recompletion of any well. Rules 82-3-107 and 82-3-141 apply. Information on side two of this form will be held confidential 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 any additional wireline logs and driller's time logs (not previously submitted) shall be attached with this form. Submit ACO-4 prior to or with this form for approval of commingling or dual completions. Submit CP-4 with all plugged wells. Submit CP-111 with all temporarily abandoned wells. NOTE: Conversion of wells to either disposal or injection must receive approval before use; submit form U-1.

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 Manager Date 12-1-88
Elwyn H. Nagel

Subscribed and sworn to before me this 5th day of December 19 88

Notary Public Mary D. Slagle Date Commission Expires 10/30/89



SIDE TWO

Operator Name F. G. Holl Company Lease Name Rudd Estate "A" Well # 4-16

Sec 16 Twp 24 Rge 16 X East West County Edwards

RECOMPLETED FORMATION DESCRIPTION:

XX Log Sample

<u>Name</u>	<u>Top</u>	<u>Bottom</u>
Heebner	3702	
Brown Lime	3838	
LKC	4128	
Cherokee	4251	
Conglomerate	4279	
Mississippi	4326	
Kinderhook sh.	4349	
Kinderhook sd.	4371	

Viola 4125 ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type & Percent Additives
	Top	Bottom			
<u>Perforate</u>					
<u>Protect Casing</u>					
<u>Plug Back TD</u>					
<u>Plug Off Zone</u>					

Shots Per Foot	PERFORATION RECORD	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)
<u>1</u>	<u>4309-4316</u>	<u>500 gal. 15% DSFE acid; Frac w/ 29,000 gal. x-link gel and 24,000 # 20/40 and 10,000 # 10/20 sand</u>

PBTD 4358' Plug Type CIBP

TUBING RECORD:

Size 2 3/8" Set At 4299' Packer At --- Was Liner Run? Y XX N

Date of Resumed Production, Disposal or Injection 11-16-88

Estimated Production Per 24 Hours 18 bbl/oil 3 bbl/water

262 MCF gas 14/1 gas-oil ratio