

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

API NO. 15- 163-23,21100P ORIGINAL

County Rooks

SE- NW- NW Sec. 28 Twp. 6 Rge. 20W

CONFIDENTIAL

Operator: License # 4767

4290 Feet from S/N (circle one) Line of Section

Name: Ritchie Exploration, Inc.

4290 Feet from E/W (circle one) Line of Section

Address 125 N. Market

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE), NW or SW (circle one)

City/State/Zip Wichita, KS 67202

Lease Name Nanette Hilgers Well # 2

Purchaser: Koch Oil

Field Name Todd East

Operator Contact Person: Lisa Thimmesch

Producing Formation Arbuckle

Phone ( 316 ) 267-4375

Elevation: Ground 2218 KB 2223

Contractor: Name: \_\_\_\_\_

Total Depth 3701 PBTD 3695

License: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet

Wellsite Geologist: \_\_\_\_\_

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes \_\_\_\_\_ No

Designate Type of Completion  
\_\_\_\_ New Well \_\_\_\_ Re-Entry  Workover

If yes, show depth set \_\_\_\_\_ Feet

Oil \_\_\_\_ SWD \_\_\_\_ S10W \_\_\_\_ Temp. Abd.  
\_\_\_\_ Gas \_\_\_\_ ENHR \_\_\_\_ SIGW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from \_\_\_\_\_

If Workover/Re-Entry: old well info as follows:

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Operator: Ritchie Exploration

Drilling Fluid Management Plan REWORK J 74 1-11-95  
(Data must be collected from the Reserve Pit)

Well Name: #2 Nanette Hilgers

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Comp. Date 10-13-94 Total Depth 3701

Deswating method used \_\_\_\_\_

\_\_\_\_ Deepening  Re-perf. \_\_\_\_ Conv. to Inj. \_\_\_\_\_  
 Plug Back \_\_\_\_\_ PBTD  
\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

Location of fluid disposal if hauled offsite \_\_\_\_\_

7-8-94 7-13-94

RECEIVED

Special Date of START Date Reached TD Completion Date of  
OF WORKOVER WORKOVER

OPERATOR COMMISSION RELEASED  
Operator Name 8-10-94  
Lease Name 10-26-95  
AUG 10 1994 OCT 26 1995 License No. \_\_\_\_\_  
Quarter Sec. Twp. S Rng. E/W

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 [Signature]  
Title Geologist Date 8-9-94

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

Subscribed and sworn to before me this 9th day of August, 19 94.

Notary Public [Signature]

Date Commission Expires \_\_\_\_\_

LISA THIMMESCH  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 8-29-95

Operator Name Ritchie Exploration Lease Name Nanette Hilgers Well # 2  
 Sec. 28 Twp. 6 Rge. 20W  East County Rooks  
 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  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:

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum

CASING RECORD <input type="checkbox"/> New <input checked="" 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	12 1/4"	8 5/8"	28	205'	60/40 Poz	160	2% gel; 3% CaCl <sub>2</sub>
Production	7 7/8"	5 1/2"	14	3695'	60/40 Poz	110	10% SALT 3% GILSONITE

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3695'-3701'	Common	5 gal.	N/A	

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
	3	3684'-3693'	Arbuckle	750 gal	15% INS

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TUBING RECORD Size 2 3/8" Set At 3683 Packer At NA Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 7-13-94 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 7.00 Bbls. Gas trace Mcf Water trace Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify):

Production Interval 3684'-3693'