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**COPY**  
SIDE ONE

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14-GS-23w  
1000

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

API NO. 15- 065-22,627

County Graham

SW SW NW Sec. 14 Twp. 6S Rge. 23  East West

2970 Ft. North from Southeast Corner of Section

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

Lease Name Rice Well # 1

Field Name unnamed

Producing Formation Lansing

Elevation: Ground 2368' KB 2373'

Total Depth 3830' PBTD \_\_\_\_\_

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Co.

Operator Contact Person: Jeff Christian

Phone ( 316 ) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: Kitt Noah

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

f OWMO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

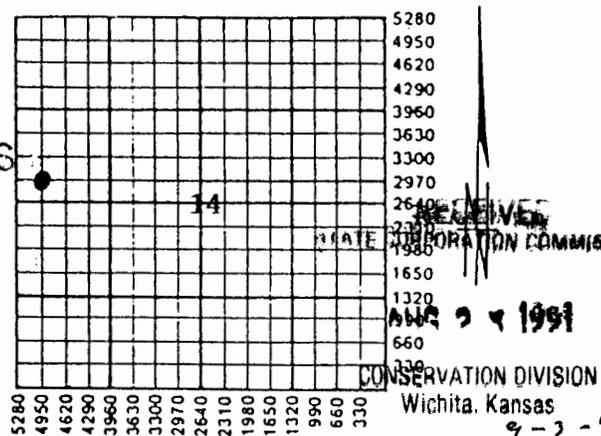
Drilling Method:

Mud Rotary  Air Rotary  Cable

4/01/91 4/09/91 4/20/91

Spud Date Date Reached TD Completion Date

PLEASE KEEP THIS INFORMATION CONFIDENTIAL



Amount of Surface Pipe Set and Cemented at 241' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2012' Feet

If Alternate II completion, cement circulated from 2012'

feet depth to surface w/ 350 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 [Signature]

Title President Date 7/17/91

Subscribed and sworn to before me this 17<sup>th</sup> day of July 1991.

Notary Public Linda K. Rice

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

LINDA K. RICE  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 2-7-92

**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 **RELEASED**  Other (Specify) IS

**AUG 0 2 1993**

Form ACO-1 (7-89)  
**FROM CONFIDENTIAL**

Operator Name Ritchie Exploration, Inc. Lease Name Rice Well # 1  
 Sec. 14 Twp. 6S Rge. 23W  East  
 County Graham  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.)

(See attached page).

Formation Description  
 Log  Sample  
 Name Top Bottom  
 (See attached page).

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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 Perce. Additives
Surface	12 1/4"	8-5/8"	28#	241'	60/40 poz	185	2% gel, 3% CO
Production	7-7/8"	4 1/2"	10.5#	3823'	60/40 poz	150	1% salt + 3% gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used) Depth			
3 SSB	3605.8'-3610'			n/a			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Size	Set At	Packer At				
	2-3/8"	13' off bottom					
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
4/20/91							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio		Gravity
		53 Bbls.		0 Bbls.			

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: 3605.8'-3610'

KCC

JUL 16

CONFIDENTIAL

RELEASED

AUG 02 1993

FROM CONFIDENTIAL

Ritchie Exploration, Inc.  
#4767  
#1 Rice  
SW SW NW  
Section 14-6S-23W  
Graham County, Kansas  
API# 15-065-22,627

ACO-1 form  
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RECEIVED  
STATE CORPORATION COMMISSION

AUG 2 1991

CONSERVATION DIVISION  
Wichita, Kansas

DRILL STEM TESTS:

DST #1 from 3535' to 3555' (Oread "B").  
Recovered 25' of muddy water.  
IFP:21-21#/30"; ISIP:1082#/30";  
FFP:21-21#/30"; FSIP:1082#/30".

DST #2 from 3563' to 3603' (Toronto). Recovered 30' of mud with show of oil in top of tool.  
IFP:53-53#/30"; ISIP:1114#/30";  
FFP:53-53#/30"; FSIP:1072#/30".

DST #3 from 3600' to 3625' (Top zone). Recovered 1,627' gas in pipe, 913' clean gassy oil and 248' slightly mud cut gassy oil.  
IFP:181-255#/30"; ISIP:659#/45";  
FFP:372-426#/30"; FSIP:617#/30".

DST #4 from 3624' to 3663' (35' & 50' zones). Recovered 1,977' of muddy water.  
IFP:330-567#/30"; ISIP:1146#/30";  
FFP:722-839#/30"; FSIP:1146#/30".

DST #5 from 3661' to 3685' (70' & 90' zones). Recovered 2,470' of muddy water.  
IFP:521-903#/30"; ISIP:1127#/30";  
FFP:1051-1093#/30"; FSIP:1156#/30".

DST #6 from 3715' to 3830' (140' through 220' zones). Recovered 1,013' of watery mud, no show of oil (47% water, 53% mud).  
NOTE: Packer failed momentarily.  
IFP:287-319#/30"; ISIP:1177#/30";  
FFP:426-447#/30"; FSIP:1093#/30".

ELECTRIC LOG TOPS

Anhydrite	2048' (+ 325)
B/Anhydrite	2080' (+ 293)
Topeka	3367' (- 994)
Heebner	3566' (-1193)
Toronto	3592' (-1216)
Lansing	3606' (-1233)
B/KC	Not logged.
*LTD	3800' (-1427)

\*Electric log did not reach bottom. Est. LTD 3825'.