

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

S API NO. 15-.....065-22,478.....  
County.....Graham.....  
40' S & 20' E of  
SW NE SE ..... Sec 23 ..... Twp. 6S ..... Rge. 22W ..... East  
..... West

Operator: License # ..... 4767 .....  
Name Ritchie Exploration, Inc.....  
Address 125 N. Market, Suite 1000.....  
City/State/Zip Wichita, KS, 67202.....

.....1610..... Ft North from Southeast Corner of Section  
.....970..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser.....N/A.....

Lease Name.....Keiswetter-23D.....Well #1.....

Operator Contact Person Jeff Christian.....  
Phone 316/267-4375.....

Field Name.....

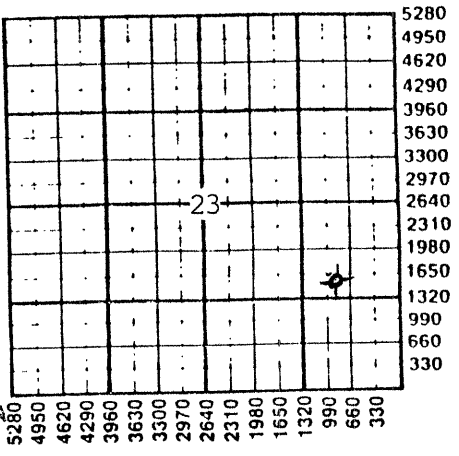
Producing Formation.....N/A.....

Contractor: License # ..... 6033 .....  
Name Murfin Drilling Co.....

Elevation: Ground.....2322'.....KB.....2327'.....

Wellsite Geologist Bob Mathiesen.....  
Phone 316/267-4375.....

Section Plat



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

PLEASE KEEP THIS  
INFORMATION  
CONFIDENTIAL  
RECEIVED  
NOV 23 1988  
1123-88  
STATE CORPORATION COMMISSION  
Wichita, Kansas  
CONSERVATION DIVISION

WATER SUPPLY INFORMATION  
Disposition of Produced Water:     Disposal  
Docket # .....N/A.....     Repressuring

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

WELL HISTORY

Drilling Method:  
 Mud Rotary     Air Rotary     Cable  
8/02/88    8/06/88    8/06/88  
Spud Date    Date Reached TD    Completion Date  
3802'    N/A  
Total Depth    PBSD  
8-5/8"@260'  
Amount of Surface Pipe Set and Cemented at.....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 11 D 040

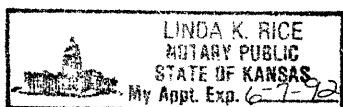
Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water: Hauled.  
Division of Water Resources Permit #.....  
Groundwater.....Ft North from Southeast Corner  
(Well)    .....Ft West from Southeast Corner of  
Sec    Twp    Rge    East    West  
Surface Water.....Ft 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.....  
Title Vice President    Date 11/17/88

Subscribed and sworn to before me this 17th day of November 1988  
Notary Public Linda K. Rice  
Date Commission Expires 6/07/92



K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
Distribution  
 KCC     SWD/Rep     NGPA  
 KGS     Plug     Other  
(Specify)  
11-23-88  
Form ACO-1 (5-86)

Sec. 23 Twp. 6 S Rge. 22 W

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Keiswetter-23D Well # 1

RELEASED

Sec. 23 Twp. 6S Rge. 22W  East  West County Graham MAD 11-7-1990  
3-7-90

WELL LOG

FROM CONFIDENTIAL

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

DST #1 3574'-3594' (Top zone w/straddle packers).  
 Rec. 1' of oil and 29' of mud w/oil spots.  
 IFP:48-48#/45"; ISIP:1219#/45";  
 FFP:57-57#/45"; FSIP:1171#/45".

DST #2 3715'-3800' (160'-220' zones). Rec. 100'  
 of gassy oil spotted watery mud.  
 IFP:86-96#/45"; ISIP:1085#/60";  
 FFP:115-125#/45"; FSIP:1009#/60".

Name	Formation Description	
	Top	Bottom
Anhydrite	1986' (+ 341)	
B/Anhydrite	2018' (+ 309)	
Topeka	3334' (-1007)	
Heebner	3541' (-1214)	
Lansing	3582' (-1255)	
B/KC	3773' (-1446)	
LTD	3800' (-1473)	

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD <input checked="" 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	12 3/4"	8-5/8"	23#	260'	60/40 poz	180	2% gel, 3% CC
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First Production	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		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  
 Commingled