

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

API NO. 15-.....065-22,445-00-00  
County.....Graham  
50' N of  
NW SW SW ..... Sec. 36 Twp. 6S Rge. 22...  East  
 West

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

1040 ..... Ft North from Southeast Corner of Section  
4950 ..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser.....Koch Oil Company  
Wichita, KS

Lease Name.....Thurlow Estate Well #. 1

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

Field Name.....Columbus

Producing Formation.....Lansing

Elevation: Ground.....2281' .....KB.....2286'

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

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

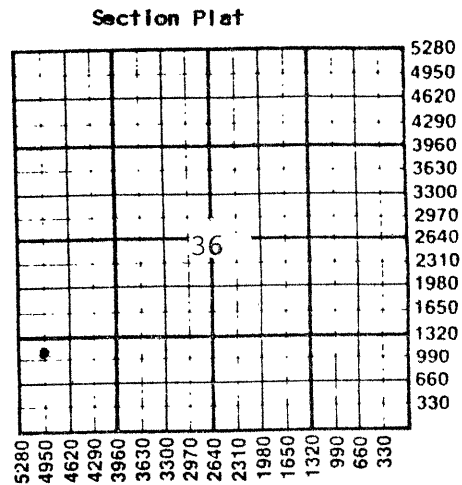
PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp  
 Dry  Other (Core, Water Supply etc.)

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

RECEIVED  
OIL CONSERVATION DIVISION  
WICHITA, KANSAS  
SEP - 2 1988  
9-2-88



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # D-20,496  Repressuring

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. #)

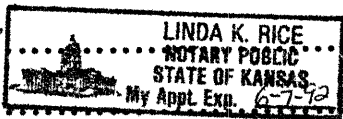
WELL HISTORY  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
5/7/88 ..... 5/14/88 ..... 6/13/88  
Spud Date Date Reached TD Completion Date  
3840' ..... n/a  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at.....feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....1911' .....feet  
\*\* If alternate 2 completion, cement circulated  
from.....feet depth to.....w/.....SX cmt  
Cement Company Name .....,  
Invoice # .....,  
\*\*SEE ATTACHED LETTER.

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 .....  
Vice President  
Title..... Date 8/31/88

Subscribed and sworn to before me this 31st day of August 1988.  
Notary Public.....  
Date Commission Expires 6/07/92



K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)  
9-2-88

Sec. 36 Twp. 6S Rge. 22W

Operator Name Ritchie Exploration, Inc. Lease Name Thurlow Estate Well # 1

Sec. 36 Twp. 6S Rge. 22 East West County Graham

RELEASED

MAR 06 1990

26-90

FROM CONFIDENTIAL

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 [X] Yes [ ] No
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No

Formation Description [X] Log [ ] Sample

Name Top Bottom

DST #1 3489'-3555' (Toronto & Top zone). Rec. 10' of mud w/few oil spots.
IFP:46-46#/30"; ISIP:767#/30";
FFP:46-46#/30"; FSIP:732#/30".

DST #2 3557'-3598' (35' - 50' zones). Rec. 2620' salt water w/few oil spots on top.
IFP:23-940#/30"; ISIP:1214#/30";
FFP:963-1168#/30"; FSIP:1214#/30".

DST #3 3594'-3618' (70'-90' zones). Rec. 1' free oil and 31' oil cut mud (10% oil).
IFP:35-35#/30"; ISIP:70#/30";
FFP:35-35#/30"; FSIP:128#/30".

DST #4 3640'-3731' (140'-220' zones). Rec. 175' gip; 72' muddy oil; 62' oil cut mud; 310' water and oil cut mud. 444' total fluid (7% gas, 32% oil, 13% water, 48% mud).
IFP:70-163#/30"; ISIP:1260#/45";
FFP:186-245#/30"; FSIP:1237#/45".

DST #5 3751'-3809' (Congl. sand). Rec. 130' watery mud.
IFP:47-70#/45"; ISIP:1123#/60";
FFP:81-93#/45"; FSIP:1043#/60".

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CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Producing Method, Estimated Production Per 24 Hours

METHOD OF COMPLETION

Production Interval

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

3685'-3688' & 3678'-3681' (Lansing)