

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

Operator: License # 5198  
Name A. Scott Ritchie  
Address 125 N. Market, Suite 1000  
City/State/Zip Wichita, KS 67202

Purchaser Koch Oil Company

Operator Contact Person Galen Babcock  
Phone (316) 267-4375

Contractor: License # 6033  
Name Murfin Drilling Co.

Wellsite Geologist Larry Zink  
Phone (316) 267-4375

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

If OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date

PLEASE KEEP THIS INFORMATION CONFIDENTIAL  
WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
11/01/85 11/09/85 12/5/85  
Spud Date Date Reached TD Completion Date  
3865' RTD 3680'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 259 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1986' feet  
If alternate 2 completion, cement circulated from 1986' feet depth to surface 475' SX cmt  
Cement Company Name Allied Cementing Co.  
Invoice # 1201

API No. 15-065-22,258-00-00  
County Graham  
SE NE NW Sec 13 Twp 6S Rge 22 East West

4290 Ft North from Southeast Corner of Section  
2970 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Ary-13B Well # 1

Field Name not named yet Boy, SW

Producing Formation Lansing

Elevation: Ground 2311' KB 2316'  
Section Plat

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  
Docket # D-20496  Repressuring

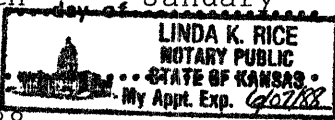
Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
Division of Water Resources Permit #  
Groundwater.....Ft North from Southeast Corner (Well) .....Ft West from Southeast Corner of Sec Twp Rge East West  
Surface Water.....Ft North from Southeast 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 duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 [Signature]  
Title Operator Date 1/06/86

Subscribed and sworn to before me this 6th day of January 1986  
Notary Public [Signature]  
Date Commission Expires 6/07/88



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)

Rec'd 1-7-86

B-065-22258-00-00

SIDE TWO

Operator Name A. Scott Ritchie Lease Name Ary-13B Well # 1

Sec 13 Twp 6S Rge 22 East West County Graham

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

DST #1 from 3472' to 3506' (Lower Topeka). Recovered 120' of oil spotted muddy water. IFP:40-61#/30"; ISIP:1125#/45"; FFP:61-81#/30"; FSIP:1104#/45".

DST #2 from 3513' to 3580' (Toronto and Top zone). Recovered 620' of clean gassy oil and 120' of water & oil cut mud. IFP:132-244#/30"; ISIP:1207#/30"; FFP:306-367#/30"; FSIP:1187#/30".

DST #3 from 3581' to 3603' (35' zone) Recovered 780' of gas in pipe, 680' of clean gassy oil, 60' of oil cut mud. IFP:102-153#/15"; ISIP:776#/30"; FFP:224-255#/15"; FSIP:725#/30".

DST #4 from 3601' to 3620' (50' zone). Recovered 2990' of clean gassy oil. IFP:469-838#/15"; ISIP:1207#/30"; FFP:961-1053#/15"; FSIP:1197#/30".

Table with 3 columns: Name, Top, Bottom. Rows include Anhydrite, B/Anhydrite, Topeka, Heebner, Toronto, Lansing, B/KC, Cong. Sd., Arbuckle, LTD.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL RELEASED APR 15 1987 FROM CONFIDENTIAL

(Continued on next page)

Form sections: CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Estimated Production Per 24 Hours.

METHOD OF COMPLETION Production Interval Disposition of gas: [ ] Vented [ ] Sold [ ] Used on Lease [ ] Open Hole [X] Perforation [ ] Other (Specify) 3564'-3742' [ ] Dually Completed [ ] Commingled

15-065-22258-00-00

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR A. Scott Ritchie LEASE NAME Arv-13B

SEC. 13 TWP. 6S RGE. 22W (E) (W)

**FILL IN WELL LOG AS REQUIRED:**

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #5 from 3618' to 3628' (70' zone). Recovered 1' of free oil and 9' of oil and mud cut water. IFP:30-30#/30"; ISIP:1125#/45"; FFP:30-30#/30"; FSIP:1104#/45".</p>				
<p>DST #6 from 3666' to 3728' (140'-180' Zones). Recovered 240' of gas in pipe, 100' of water and mud cut oil and 60' of oil and water cut mud. IFP:71-91#/30"; ISIP:1197#/45"; FFP:112-122#/30"; FSIP:1156#/45".</p>				
<p>DST #7 from 3724' to 3758' (200' and 220' zones). Recovered 1' of free oil and 69' oil cut mud. IFP:41-51#/30"; ISIP:889#/45"; FFP:61-61#/30"; FSIP:745#/45".</p>				
<p>DST #8 from 3779' to 3816' (Cong. Sd.) Recovered 120' of oil spotted mud. IFP:81-91#/30"; ISIP:704#/45"; FFP:102-112#/30"; FSIP:551#/45".</p>				
<p>DST #9 from 3820' to 3855' (Arbuckle). Recovered 30' of mud, no show of oil. IFP:51-51#/45"; ISIP:1043#/45"; FFP:61-61#/45"; FSIP:991#/45".</p>				

CONFIDENTIAL

JAN 08 1986

State Geologist's Office

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RELEASED

APR 15 1987

FROM CONFIDENTIAL

4-15-87

# WELL LOG 15-065-22258-00-00

**COMPANY** A. Scott Ritchie  
125 N. Market, Suite 950  
Wichita, KS 67202

**FARM** Ary **NO.** 13B #1

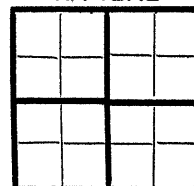
**SEC.** 13 **T.** 6S **R.** 22W  
**LOC.** SE NE NW

**RIG. NO.** 8

**TOTAL DEPTH** 3865'

**COMM.** 11-01-85 **COMP.** 11-09-85

**COUNTY** Graham  
**KANSAS**



**CONTRACTOR** Murfin Drilling Company  
250 N. Water, Suite 300  
Wichita, Kansas 67202

**CASING**

20	10	
15	8	-5/8" set @ 259' w/180 sx Common, 2% Gel, 3% CC
12	6	
13	5	-1/2" set @ 3864' w/125 sx 60/40 Poz, 10% Salt

FIGURES INDICATE BOTTOM OF FORMATIONS

Surface	260'
Sand & Shale	2105'
Shale & Lime (RTD)	3865'

**CONFIDENTIAL**

JAN 08 1986  
 State Geological Survey  
 WICHITA, KANSAS

**RELEASED**

**APR 15 1987**

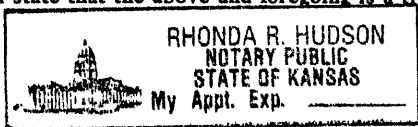
**FROM CONFIDENTIAL**

NW 20 1300  
 11-26-85

State of KANSAS  
County of SEDGWICK } ss:

I, Robert A. Ramseyer, Jr. of the Murfin Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Ary 13B #1 well.



Robert A. Ramseyer, Jr., Agent for Operator

Subscribed and sworn to before me this 18th day of November 19 85

My Commission Expires: 11-18-87

NOTARY PUBLIC  
 Rhonda R. Hudson