

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 Leah Ann Kasten
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 OWN: old well info as follows:
Operator
Well Name
Comp. Date

Drilling Method:
 Mud Rotary Air Rotary Cable
10/05/85 10/11/85 11/6/85
Spud Date Date Reached TD Completion Date
3860' RTD n/a
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 262 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1970 feet
If alternate 2 completion, cement circulated from 1970 feet surface to 450 SX cmt
Cement Company Name Allied Cementing Co.
Invoice # 2233

API NO. 15-065-22,244-000
County Graham
SE NW NE Sec 13 Twp 6S Rge 22 East X West

4290 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Ary Well # 1

Field Name not named yet Boys SW

Producing Formation Lansing

Elevation: Ground 2298' KB 2303'
Section Plat

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

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:
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.

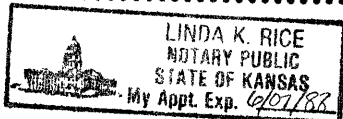
Signature Galen Babcock

Title Geologist Date 12/31/85

Subscribed and sworn to before me this 31st day of December 1985

Notary Public Linda K. Rice

Date Commission Expires 6/07/88



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)

Operator Name A. Scott Ritchie Lease Name Ary Well # 1

Sec. 13 Twp. 6S Rge. 22W 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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 from 3465' to 3502' (Lower Topeka). Recovered 270' of total fluid: 90' of gassy mud cut oil, 60' of gassy watery mud cut oil, 120' of mud and oil cut water, 90' of gas in pipe. IFFP:51-91#/30"; ISIP:1063#/45"; FFP:122-142#/30"; FSIP:1053#/45"

Name	Top	Bottom
Anhydrite	1957'	(+ 346)
B/Anhydrite	1989'	(+ 314)
Topeka	3326'	(-1023)
Heebner	3514'	(-1211)
Toronto	3539'	(-1236)
Lansing	3556'	(-1253)
B/KC	3744'	(-1441)
Cong. Sd.	3795'	(-1492)
Arbuckle	3840'	(-1537)
LTD	3857'	(-1554)

DST #2 from 3507' to 3568' (Toronto and Top zone). Recovered 60' of gas in pipe and 135' of gassy watery mud cut mud. IFFP:71-91#/30"; ISIP:1166#/45"; FFP:112-122#/30"; FSIP:1125#/45"

DST #3 from 3596' to 3620' (50' & 70' zones). Recovered 750' of muddy water. IFFP:102-224#/30"; ISIP:1290#/30"; FFP:306-408#/30"; FSIP:1259#/30"

DST #4 from 3661' to 3724' (140', 160', 180' zones). Recovered 240' of gas in pipe; 10' of clean oil, 50' of gassy mud cut oil, 120' of oil and gas cut mud. IFFP:61-91#/30"; ISIP:1197#/45"; FFP:112-122#/30"; FSIP:1176#/45"

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3-17-87

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.				Type and Percent Lives #Sacks Cement			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks	Percent Lives
Surface	12 1/4"	8-5/8"	23#	262'	pozmix	185	3% CC, 2% gel
Production	7-7/8"	5 1/2"	14#	3859'	pozmix	125	10% salt, 2% oil
					sonite	10 sks	of salt flush.
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
2 SSB	3705 1/2' to 3709'			Acidized w/1000 gal. of 28%	3705 1/2-09		
2 SSB	3556 1/2' to 3559'			Acidized w/1000 gal. of 28%	3556 1/2-59		
TUBING RECORD Size Set At Packer at				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
11/6/85		<input type="checkbox"/> Flowing <input checked="" 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	
21.97 Bbls		MCF	147.03 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3556 1/2' to 3709'
 Used on Lease Dually Completed
 Conmingled

OPERATOR A. Scott Ritchie LEASE NAME Ary

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>(continued from page 1)</p> <p>DST #5 from 3717' to 3751' (200 & 220' zones). Recovered 460' of total fluid: 100' of oil spotted mud and 360' of muddy water. IFP:71-142#/30"; ISIP:1043#/30"; FFP:204-255#/30"; FSIP:991#/30".</p> <p>DST #6 from 3774' to 3806' (Cong. Sd.) Recovered 120' of mud and 360' of muddy water, no show of oil. IFP:91-153#/15"; ISIP:950#/30"; FFP:224-255#/15"; FSIP:838#/30".</p> <p style="text-align: center;">PLEASE KEEP THIS INFORMATION CONFIDENTIAL</p>			<p style="text-align: center;">CONFIDENTIAL</p> <p style="text-align: center;">JAN 21 1987</p> <p style="text-align: center;">D. J. Gentry</p> <p style="text-align: center;">RELEASED</p> <p style="text-align: center;">MAR 17 1987</p> <p style="text-align: center;">FROM CONFIDENTIAL</p> <p style="text-align: center;">3-17-87</p>	

15065-222 44-00-00

WELL LOG

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

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

FARM Ary NO. 1

RIG. NO. 2

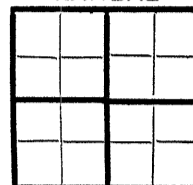
TOTAL DEPTH 3860'

COUNTY Graham
KANSAS

COMM. 10-05-85 COMP. 10-12-85

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

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CASING

20 10
15 8-5/8" set @ 262' w/185 sx 60/40 Poz, 3% CC, 2% Gel

12 6

13 5
4-1/2" set @ 3859' w/135 sx 60/40 Poz, 10% Salt + 450 sx 50/50 Poz, 6% Gel.

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand & Clay	175'
Shale & Sand	1958'
Anhydrite	1990'
Shale & Shells	3150'
Shale & Lime (RTD)	3860'

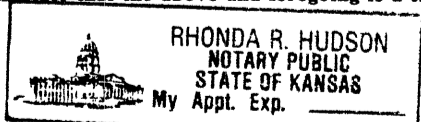
Jan 06 1986
Kansas Geological Survey
HONOLULU BRANCH

RELEASED
MAR 17 1987
FROM CONFIDENTIAL

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 #1 well.



Robert A. Ramseyer, Jr.
Robert A. Ramseyer, Jr., Agent for Operator

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

My Commission Expires: 11-18-87

Rhonda R. Hudson
NOTARY PUBLIC
Rhonda R. Hudson