FORM MUST BE TYPED CONFIDENTIAL SIDE ONE

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

API NO. 15- 065-22,298 0001 ORIGINAL

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address P.O. Box 783188

City/State/Zip Wichita, KS 67278

Purchaser: Koch Oil

Operator Contact Person: Julie Stout

Phone (316) 691-9500

Contractor: Name: Western Well Service RELEASED

License: OCT 06 2000

Wellsite Geologist: FROM CONFIDENTIAL

County Graham

SW - NW - NE - Sec. 13 Twp. 6 S Rge. 22 E X W

4290 Feet from (S) N (circle one) Line of Section

2310 Feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Ary Well # 2

Field Name

Producing Formation Conglomerate/Toronto/LKC

Elevation: Ground 2284 KB 2289

Total Depth 3865 PBTD 3819

Amount of Surface Pipe Set and Cemented at _____ Feet

Multiple Stage Cementing Collar Used? _____ Yes _____ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Designate Type of Completion
____ New Well ____ Re-Entry X Workover

X Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: Ritchie Exploration, Inc.

Well Name: #2 Ary

Comp. Date 2/25/86 Old Total Depth 3865

____ Deepening X Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
X Commingled Docket No. _____
____ Dual Completion Docket No. _____
____ Other (SWD or Inj?) Docket No. _____

5-19-97 Spud Date | _____ Date Reached TD | 5-22-97 Completion Date

Drilling Fluid Management Plan REWORK JH 10-17-97
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite:

Operator Name AUG 28 CONFIDENTIAL

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 President Date 8-18-97

Subscribed and sworn to before me this 18th day of August, 1997.

Notary Public Julie K. Stout

Date Commission Expires July 23, 2001

JULIE K. STOUT
Notary Public - State of Kansas
My Appt. Expires 7-23-2001

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ____ Wireline Log Received
C ____ Geologist Report Received

Distribution
✓ KCC ____ SWD/Rep ✓ NGPA
____ KGS ____ Plug ✓ Other (Specify) IOG

Form ACO-1 (7-91)

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Ary Well # 2

Sec. 13 Twp. 6S Rge. 22 ☐ East ☒ West County Graham

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 (Attach Additional Sheets.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☐ Yes ☒ No

List All E.Logs Run: None

☐ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD ☐ New ☐ 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
		8 5/8"	23#	250'	60/40 Poz	185	
		4½"	10.5#	3864'	60/40 Poz	140	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3 SSB	Conglomerate 3776-82	1000 gals 15% NE acid &	55 gals Baker
2 SSB	3584'-3587' + 3687'-3691'	S55202 additive	
	3710'-3714' + 3720.5'-3724'	500 gals 28% NE acid	
	Toronto 3522.5-25.5		
	(3 1/8" gun)		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3780	n/a	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.	Producing Method
5-22-97	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	7		100		

Disposition of Gas: METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled _____

☐ Other (Specify) _____ _____