

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

APD NO. 15- 065-22,258 0001

ORIGINAL

County GrahamSE - NE - NW - Sec. 13 Twp. 6 S Rge. 22 ^E_WOperator: License # 4767Name: Ritchie Exploration, Inc.Address P.O. Box 783188City/State/Zip Wichita, KS 67278Purchaser: Koch Oil CompanyOperator Contact Person: Julie StoutPhone (316) 691-9500Contractor: Name: Western Well ServiceLicense: CONFIDENTIAL

Wellsite Geologist: _____

Designate Type of Completion

☐ New Well ☒ Re-Entry ☐ Workover

☒ Oil ☐ SMD ☐ SIOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: A. Scott RitchieWell Name: #1 Ary-13BComp. Date 12-5-85 Old Total Depth 3865

☐ Deepening ☒ Re-perf. ☐ Conv. to Inj/SMD
☐ Plug Back ☐ PBTD
☒ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SMD or Inj?) ☐ Docket No. _____

5-23-97

Spud Date

5-27-97

Date Reached TD

Completion Date

4290 Feet from S/N (circle one) Line of Section2970 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Ary-13B Well # 1

Field Name _____

Producing Formation Lansing/ TorontoElevation: Ground 2311 KB 2316Total Depth 3865 PBTD _____

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.

Drilling Fluid Management Plan REWORK JR 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: DAY 0 6 2000

Operator Name _____ FROM CONFIDENTIAL

Lease Name AUG 28 License No. _____


Quarter Sec. Twp. S Rng. E/W

County CONFIDENTIAL 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 Julie K. StoutTitle President Date 8-18-97Subscribed and sworn to before me this 18th day of August, 19 97.Notary Public Julie K. StoutDate 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 ☐ SMD/Rep ☒ NGPA
☐ KGS ☐ Plug ☐ Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name Ritchie Exploration, Inc.Lease Name Arv-13BWell # 1Sec. 13 Twp. 6S Rge. 22☐ EastCounty Graham☒ West

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 ☒ NoElectric 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 #	259'	Quikset	180	
		5 1/2"	14 #	3864'	60/40 Poz	125	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	Toronto 3547-3550	2000 gals 28% NE	
2 SSB	3685.5'-3688' + 3715'-3718' + 3738'-3742'	450# Benzoic Acid flakes	
2 SSB	3564'-3566' + 3595'-3597' + 3609'-3612'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3800'	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj.	Producing Method			
5-27-97	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	7		130	

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) _____