

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

COPY

Operator: License # 4767Name: Ritchie Exploration, Inc.Address 125 N. Market, Suite 1000City/State/Zip Wichita, KS 67202Purchaser: N.C.R.A.Operator Contact Person: Jeff ChristianPhone (316) 267-4375Fractor: Name: Murfin Drilling Co.License: 30606Wellsite Geologist: K. Noah

Ignite Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ SIOV ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ to Inj/SWD
☐ Plug Back ☐ PSTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

6-25-93 6-30-93 8-12-93
d Date Date Reached TD Completion Date

API NO. 15- 065-22,717County Graham200! N of NW SW NW 14 Twp. 10 Rge. 22W E W3830 Feet from S/W (circle one) Line of Section4950 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE SE NW or SW (circle one)Lease Name Holmquist-Holmes Well # 1 TwinField Name Faul NEProducing Formation L/KCElevation: Ground 2246 KB 2251Total Depth 3750 v PSTD 3717Amount of Surface Pipe Set and Cemented at 205 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 1731.82 FeetIf Alternate II completion, cement circulated from 1731.82feet depth to 250 w/ 500 sx cmt.Drilling Fluid Management Plan ALT II
(Data must be collected from the Reserve Pit)Chloride content 2500 ppm Fluid volume 615 bblsDewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name _____

Quarter Sec. _____ Twp. _____

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Cherokee Derby Building, 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.

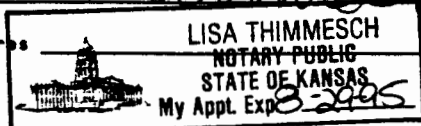
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature _____

Title PresidentDate 10-19-93Subscribed and sworn to before me this 19th day of October.

Notary Public _____

Date Commission Expires _____



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)

Form ACO-1 (7-91)

Operator Name Ritchie Exploration, Inc. Lease Name Holmquist-Holmes Well # 1 TwinSec. 14 Twp. 10 Rge. 22W ☐ East ☐ West County Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giv 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
(Attach Additional Sheets.)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

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

List All E.Logs Run:

Radiation Guard Log
Gamma Ray Correlation Log

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

Name Top Datum

See attached sheet

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
surface	12 1/4"	8 5/8"	20#	205	60/40 poz	170	2% gel 3° CC
production	7 7/8"	5 1/2"	14#	3747	60/40 poz	135	10% salt 3% gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top 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	180' zone 3673.5'-3675.5' 3680.5'-3683.5'	750 gallons 15% NE	180' zone
3	3657'-3661.5' 160' zone	750 gallons 15% NE	160' zone
TUBING RECORD			
Set At 2 3/8"		Packer At NA	Liner Run ☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj. 8-12-93		Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. 7.00	Gas Mcf 0.00	Water Bbls. 0.21
		Gas-Oil Ratio	Gravit

Disposition of Gas:

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

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify)

Production Interval

14-10-22w

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000
Wichita, Kansas 67202-1775

#1 Holmquist-Holmes Twin 316-267-4375 FAX 316-267-3026
200' N NW SW NW
Section 14-10S-22W
Graham County, Kansas
API# 15-065-22,717
Elevation: 2246' G.L., 2251' K.B.

CONFIDENTIAL

COPY

LOG TOPS

Anhydrite	1744' (+ 507)
B/Anhydrite	1786' (+ 465)
Topeka	3250' (- 999)
Heebner	3460' (-1209)
Toronto	3480' (-1229)
Lansing	3495' (-1244)
B/KC	3724' (-1473)
LTD	3748' (-1497)

KCC

OCT 15

CONFIDENTIAL

RELEASED

OCT 11 1996

No drill stem tests taken.

FROM CONFIDENTIAL

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 20 1993
CONSERVATION DIVISION
WICHITA, KS