

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

API NO. 15- 193-20,613 **CONFIDENTIAL**  
County Thomas  
S of 2 SE - NW - Sec. 27 Twp. 10 Rge. 32W E

**COPY**

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address 125 N. Market, Suite 1000  
City/State/Zip Wichita, KS 67202

2080 Feet from S/W (circle one) Line of Section  
2310 Feet from West (circle one) Line of Section

Purchaser: NA  
Operator Contact Person: Bob Mathiesen  
Phone (316) 267-4375

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

Driller: Name: White & Ellis  
License: 5420 **SEP 9**

Lease Name Hockersmith Well # 1-A  
Field Name Pac 83

Wellsite Geologist: Kitt Noah **CONFIDENTIAL**

Producing Formation NA  
Elevation: Ground 3039 KB 3044

Ignite Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  S16W  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Total Depth 4675 PBTD  
Amount of Surface Pipe Set and Cemented at 2590 Feet

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

Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet

Operator: \_\_\_\_\_  
Well Name: **RELEASED**  
Comp. Date Old Oct 28 1995

If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cat.

Deepening  Re-perf.  Conv. to Inj/SWD  
Plug Back  **FROM CONFIDENTIAL**  
Commingled  Docket No. \_\_\_\_\_  
Dual Completion  Docket No. \_\_\_\_\_  
Other (SWD or Inj?) Docket No. \_\_\_\_\_  
6-23-93 7-3-93 7-3-93  
Start Date Date Reached TD Completion Date

Drilling Fluid Management Plan D&A J. N. 10-12-93  
(Data must be collected from the Reserve Pit)

Chloride content 3000 ppm Fluid volume 900 bbls  
Dewatering method used evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter Sec. 27 S Rng. \_\_\_\_\_ E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

**PLEASE KEEP THIS INFORMATION CONFIDENTIAL**

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado 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-3 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 President Date 9-9-93

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received  
Distribution  
 KCC  
 KGS  
 SWD  
 Plug  
 Other  
**RECEIVED**  
STATE CORPORATION COMMISSION  
**SEP 13 1993**

Subscribed and sworn to before me this 9th day of September 1993.  
Notary Public [Signature]

LISA THIMMESCH  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 3-21-95

Operator Name Ritchie Exploration, Inc. Lease Name Hockersmith Well # 1-A  
 Sec. 27 Twp. 10 Rge. 32W  East County Thomas  
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests give 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:

Log Formation (Top), Depth and Datum  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
conductor	17 1/2"	13 3/8"	54.5#	311'	60/40 poz	225	2% gel 3% CC
surface	12 1/2"	8 5/8"	24#	2590'	lite and 60/40 poz	200	6% gel 3% C 1/2# cello flake
						150	2% gel 3% CC

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
<b>PLEASE KEEP THIS INFORMATION CONFIDENTIAL</b>			

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input 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

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: \_\_\_\_\_

27-10-32W

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000  
Wichita, Kansas 67202-1775  
316-267-4375 FAX 316-267-3026

CONFIDENTIAL  
COPY

#1-A Hockersmith  
100' S E/2 SE NW  
Section 27-10S-32W  
Thomas County, Kansas  
API# 15-193-20,613  
Elevation: 3039' G.L., 3044' K.B.

KCC

SEP 9

CONFIDENTIAL

RELEASED

OCT 2 6 1995

FROM CONFIDENTIAL

SAMPLE TOPS

Anhydrite	2578' (+ 466)
B/Anhydrite	2605' (+ 439)
Topeka	3783' (- 739)
Heebner	4003' (- 959)
Lansing	4041' (- 997)
Muncie Creek	4176' (-1132)
Stark	4261' (-1217)
B/KC	4324' (-1280)
Marmaton	4352' (-1308)
Pawnee	4447' (-1403)
Myrick Sta.	4492' (-1448)
Fort Scott	4512' (-1468)
Cherokee	4541' (-1497)
Johnson zn	4583' (-1539)
Congl.Sd.	4631' (-1587)
Miss.Lst.	4642' (-1598)
Miss.Dol.	4667' (-1623)
RTD	4675' (-1631)

DST #1 from 4104' to 4125' (L/KC "E" zone). Recovered 2' oil, 90' very slight oil cut watery mud (1% oil, 50% mud, 49% water), and 833' water with few oil spots. 925' total fluid.

IFP:68-263#/30"; ISIP:1240#/30";  
FFP:292-449#/30"; FSIP:1230#/30".

DST #2 from 4439' to 4610' (Pawnee - Johnson zone). Recovered 180' of gas in pipe, 6" of clean oil, 40' of very slight oil cut mud (2% oil, 98% mud) and 40' of gassy oil cut mud (40% gas, 20% oil, 40% mud).

IFP:39-48#/45"; ISIP:887#/45";  
FFP:53-58#/45"; FSIP:828#/45".  
RTD at 4675'. No electric log run.

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INFORMATION  
CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION

SEP 13 1995  
SEP 13 1993

UNIVERSITY OF KANSAS  
CONSERVATION DIVISION  
Wichita, Kansas