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

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
City/State/Zip Wichita, KS 67202
Purchaser: n/a
Operator Contact Person: Jeff Christian
Phone (316) 267-4375
Contractor: Name Murfin Drilling Co.
License: 6033
Wellsite Geologist: Bob Mathiesen

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover
___ Oil ___ SMD ___ Temp. Abd.
___ Gas ___ Inj ___ Delayed Comp.
X Dry ___ Other (Core, Water Supply, etc.)

If COMO: old well info as follows:
Operator:
Well Name:
Comp. Date ___ Old Total Depth ___

Drilling Method: X Mud Rotary ___ Air Rotary ___ Cable
9/27/89 10/2/89 10/02/89
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 12/28/89
Subscribed and sworn to before me this 28th day of December, 1989.
Notary Public
Date Commission Expires 6/07/92

CONFIDENTIAL
API NO. 065-22,536 (0) 01AN 28 91
County Graham
NW SW SE Sec. 32 Twp. 6S Rge. 22S XX West
990 Ft. North from Southeast Corner of Section
2310. Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Scranton
Field Name WC
Producing Formation n/a
Elevation: Ground 2279' KB 2284'
Total Depth 3755' PBD n/a
Amount of Surface Pipe Set and Cemented at 217' Feet
Multiple Stage Cementing Collar Used: ___ Yes X No
If yes, show depth set _______ Feet
If Alternate II completion, cement circulated from ________ feet depth to _______ w/ _______ sx cmnt.

K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Drillers Timelog Received

Distribution
KCC ___ SMO/Rep ___ NOPA ___ Other (Specify)
GOS ___ Plug ___ NOPA ___ Other (Specify)

LINDA K. RICE
ROTERARY PUBLIC
STATE OF KANSAS
My Affidavit Exp.

CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-89)
Operator Name: Ritchie Exploration, Inc.

Lease Name: Scranton

Well #: 1

Sec.: 32  
Twp.: 6S  
Rge.: 22W  
County: Graham

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time test 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: X Yes  
(Attach Additional Sheets.)

Samples Sent to Geological Survey: X Yes  
□ No

Cores Taken: □ Yes  
X No

Electric Log Run: □ Yes  
X No

(DST) #1 360'-3623' (90' zone). Rec. 240' of salt water w/slight show of oil on top. 
IPF: 64-95#)/30"; ISIP: 778#/45";
FPF: 127-137#/30"; PSIP: 767#/45".

(DST) #2 3676'-3755' (160'-220' zones). Rec. 15' of mud. IPF: 63-63#/30"; ISIP: 1079#/30"
FPF: 74-74#/30"; PSIP: 975#/30".

Formation Description: JAN 28 1991

Anhydrite 1943' (+ 341)
B/Anhydrite 1975' (+ 309)
Topeka 3302' (-1018)
Heebner 3501' (-1217)
Toronto 3526' (-1242)
Lansing 3544' (-1260)
B/KC 3736' (-1452)
LTD 3755' (-1471)

Casing Record

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String: □ New  
□ Used

Size Hole Drilled: 12½"

Size Casing Set (In O.D.): 8-5/8"

Weight Lbs./Ft.: 23#

Setting Depth: 217'

Type of Cement: 60/40 poz

# Sacks Used: 175

Type and Percent Additives: 2%gel, 3%CC

Perforation Record

Shots Per Foot:  

Specify Footage of Each Interval Perforated:  

Acid, Fracture, Shot, Cement Squeeze Record  

(Amount and Kind of Material Used)  

Depth:

Tubing Record

Size:  

Set At:  

Packer At:  

Liner Run: □ Yes  
□ No

Date of First Production:  

Producing Method: □ Flowing  
□ Pumping  
□ Gas Lift  
□ 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-1B.)

Method of Completion

□ Open Hole  
□ Perforation  
□ Dually Completed  
□ Commingled

□ Other (Specify)  

Production Interval: