

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION 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 Rocky Milford
Phone 316/267-4375

Contractor License # 6033
Name Murfin Drilling Co.

Wellsite Geologist Leah Ann Kasten
Phone 316/267-4375

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2/04/86 2/11/86 2/11/86
Spud Date Date Reached TD Completion Date
4380' n/a
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 250 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

API NO. 15-135-23,002-0000
County Ness
50' N & 155' E of East
SW. NE. NW. Sec. 19. Twp 17. Rge. 22. West

4340 Ft North from Southeast Corner of Section
3475 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name George Brown Well #1

Field Name

Producing Formation n/a

Elevation: Ground 2342' KB 2347'
Section Plat

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # n/a Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 [Signature]
Title President Date 3/04/86

Subscribed and sworn to before me this 4th day of March 1986
Notary Public Linda K. Rice
Date Commission Expires 6/07/88

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6/07/88

MAR 5 1986
CONSERVATION DIVISION
Wichita, Kansas

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Ritchie Exploration, Inc Lease Name George Brown Well # 1

Sec. 19 Twp. 17S Rge. 22W East West County. Ness

WELL LOG

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 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Formation Description <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Cores Taken | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |

| | | | |
|---|--------------|---------------|--------|
| DST #1 from 4275' to 4305' (Upper Cher. sd.). Recovered 10' of mud, no show of oil. IFP:21-21#/30"; ISIP:32#/30"; FFP:21-21#/30"; FSIP:21#/30". | Name | Top | Bottom |
| | Anhydrite | 1632' (+ 715) | |
| | B/Anhydrite | 1669' (+ 678) | |
| DST #2 from 4318' to 4364' (Miss.). Recovered 15' of mud. IFP:32-32#/45"; ISIP:65#/45"; FFP:43-43#/45"; FSIP:54#/45". | Heebner | 3750' (-1403) | |
| | Toronto | 3771' (-1424) | |
| | Lansing | 3792' (-1445) | |
| | B/KC | 4078' (-1731) | |
| | Pawnee | 4178' (-1831) | |
| DST #3 from 4364' to 4380' (Miss.). Recovered 170' of watery mud, no show of oil. IFP:32-43#/45"; ISIP:1223#/45"; FFP:76-76#/45"; FSIP:1201#/45". | Ft. Scott | 4268' (-1921) | |
| | Cher. sh. | 4284' (-1937) | |
| | Miss. Warsaw | 4359' (-2012) | |
| | Osage | 4372' (-2025) | |
| | RTD | 4380' (-2033) | |

| | | | | | | | |
|--|---|---|----------------|--|----------------|-------------|----------------------------|
| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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" | 23# | 250' | 50/40 poz | 160 | 2% gel, 3% C |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | Depth | |
| | | | | | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Date of First Production | | 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 | Gas | Water | Gas-Oil Ratio | Gravity | | |
| | Bbls | MCF | Bbls | CFPB | | | |

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented -Open Hole Perforation
 Sold Other (Specify)
 Used on Lease -Dually Completed
 Commingled