

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 # 5198  
Name A. Scott Ritchie  
Address 125 N. Market, Suite 1000  
City/State/Zip Wichita, KS 67202

Purchaser none

Operator Contact Person Galen Babcock  
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 OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12/13/85 12/20/85 12/21/85  
Spud Date Date Reached TD Completion Date

3920' RTD n/a  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 261 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. 15-065-22,279-00-00  
County Graham  
SW NW SW Sec 13 Twp 6S Rge 22 East  
..... West

1650 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Brock Well # 1

Field Name not named

Producing Formation none

Elevation: Ground 2351' 2356'  
Section Plat

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # 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.

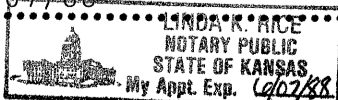
Signature [Signature] Operator

Title Operator Date 1/29/86

Subscribed and sworn to before me this 29th day of January 1986

Notary Public Linda K. Rice

Date Commission Expires 6/07/88



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

Form ACO-1 (7-84)

JAN 30 1986

CONSERVATION DIVISION

1-30-86

**SIDE TWO**

Operator Name A. Scott Ritchie Lease Name Brock Well # 1

Sec. 13 Twp. 6S Rge. 22  East  West County Graham

**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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST #1 from 3516' to 3550' (Lower Topeka). Recovered 100' of watery mud and 375' of salt water, rare specks of tarry oil. IFP:70-130#/30"; ISIP:1000#/30"; FFP:180-240#/30"; FSIP:903#/30".

DST #2 from 3600' to 3622' (Top zone Lansing). Recovered 80' of watery mud, few oil specks and 500' of salt water. IFP:60-150#/30"; ISIP:1215#/30"; FFP:220-280#/30"; FSIP:1215#/30".

DST #3 from 3627' to 3665' (35' and 50' zones). Recovered 75' of oil specked watery mud and 300' of salt water with scum of oil. IFP:90-150#/30"; ISIP:1147#/45"; FFP:180-240#/30"; FSIP:1098#/45".

DST #4 from 3744' to 3807' (160'-220' zones). Recovered 130' of mud, no show of oil and 120' of watery mud. IFP:90-120#/30"; ISIP:844#/45"; FFP:160-180#/30"; FSIP:765#/45".

| Name        | Top   | Bottom  |
|-------------|-------|---------|
| Anhydrite   | 2006' | (+ 350) |
| B/Anhydrite | 2040' | (+ 316) |
| Topeka      | 3377' | (-1021) |
| Heebner     | 3566' | (-1210) |
| Toronto     | 3592' | (-1236) |
| Lansing     | 3611' | (-1255) |
| B/KC        | 3803' | (-1447) |
| Cong. Sd.   | 3854' | (-1498) |
| Arbuckle    | 3904' | (-1548) |
| LTD         | 3921' | (-1565) |

(CONTINUED ON NEXT PAGE)

| <p align="center"><b>CASING RECORD</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Used</p> <p align="center">Report all strings set-conductor, surface, intermediate, production, etc.</p> |   |   |                |   |                |             |                            |
|--|---|---|----------------|---|----------------|-------------|----------------------------|
| 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#            | 261'  | quickset       | 185         | 2% gel, 3% CC              |
| <p align="center"><b>PERFORATION RECORD</b></p>  |   |   |                | <p align="center"><b>Acid, Fracture, Shot, Cement Squeeze Record</b><br/>(Amount and Kind of Material Used)</p> |                |             |                            |
| Shots Per Foot   | Specify Footage of Each Interval Perforated |   |                |   |                |             | Depth                      |
|  |   |   |                |   |                |             |                            |
| <p><b>TUBING RECORD</b></p>  |   |   |                | <p>Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No</p>                                       |                |             |                            |
| 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

OPERATOR A. Scott Ritchie

LEASE NAME Brock

SEC. 13 TWP. 6S RGE. 22W

**FILL IN WELL LOG AS REQUIRED:**

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

| FORMATION DESCRIPTION, CONTENTS, ETC.  | TOP | BOTTOM | NAME | DEPTH |
|--|-----|--------|------|-------|
| <p>(CONTINUED FROM PAGE 1)</p> <p>DST #5 from 3828' to 3878' (Cong. Sd.)<br/>Recovered 10' of mud, no show of oil.<br/>IFP:50-50#/45"; ISIP:90#/45";<br/>FFP:60-60#/45"; FSIP:80#/45".</p> <p>DST #6 from 3875' to 3901' (2nd Cong.Sd.)<br/>Recovered 120' of muddy water and 1130'<br/>of salt water.<br/>IFP:280-559#/15"; ISIP:922#/15";<br/>FFP:not taken; FSIP:not taken.</p> <p>DST #7 from 3663' to 3694' with straddle<br/>packers (70' &amp; 90' zones). Recovered 90'<br/>of mud, no show of oil.<br/>IFP:30-40#/45"; ISIP:1039#/45";<br/>FFP:50-60#/45"; FSIP:971#/45".</p> |     |        |      |       |

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