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163-22,976 -00-00

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  
Wichita, KS 67202  
City/State/Zip

Purchaser N/A

Operator Contact Person Jeff Christian  
Phone 316-267-4375

Contractor: License # 6033  
Name Murfin Drilling Company

Wellsite Geologist Bob Mathiesen  
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  
12-22-87 1-1-88 1/02/88  
Spud Date Date Reached TD Completion Date  
3785' N/A  
Total Depth PBSD  
8-5/8" @ 256'  
Amount of Surface Pipe Set and Cemented at...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. 15-163-22,976  
County Rooks  
NW SE SW 30 6S 20 East  
..... Sec..... Twp.....Rge.....  West

970 IRREGULAR SECTION  
3370 Ft North from Southeast Corner of Section  
Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

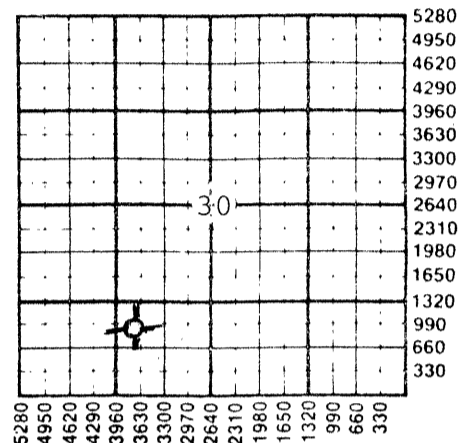
Lease Name Louis Voss Well # 1

Field Name

Producing Formation N/A

Elevation: Ground 2273' KB 2278'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket #  Repressuring  
N/A

Questions on this portion of the ACO-1 call:

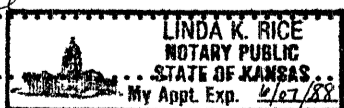
Water Resources Board (913) 296-3717  
Source of Water: Hauled.  
Division of Water Resources Permit #  
 Groundwater.....Ft North from Southeast Corner  
(Well) .....Ft West from Southeast Corner of  
Sec Twp Rge East West  
 Surface Water.....Ft North from Southeast Corner  
(Stream,pond etc).....Ft West from Southeast Corner  
Sec Twp Rge East West  
 Other (explain).....  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in 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. 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 Vice President Date 1/22/88

Subscribed and sworn to before me this 22nd day of January 19.88...  
Notary Public Linda K. Rice  
Date Commission Expires 6/07/88



Rec'd 1-23-88

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

Sec. 30 Twp. 6 Rge. 20 W

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Louis Voss Well # 1

Sec. 30 Twp. 6S Rge. 20  East  West County Rooks

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 3414-3434' (Lower Topeka). Recovered 620' of salt water w/few oil spots.  
 IFP: 74-180#/30"; ISIP: 1151#/45";  
 FFP: 234-319#/30"; FSIP: 1151#/45".

DST #2 3465'-3502' (Toronto). Recovered 100' watery mud (37% water, 63% mud).  
 IFP: 42-53#/45"; ISIP: 1141#/60";  
 FFP: 63-74#/45"; FSIP: 1109#/60".

DST #3 3499'-3522' (Top zone). Rec. 3' mud.  
 IFP: 31-31#/30"; ISIP: 42#/30";  
 FFP: 31-31#/30"; FSIP: 42#/30".

DST #4 3527'-3569' (35' & 50' zones). Rec. 70' of mud, no show of oil.  
 IFP: 53-53#/30"; ISIP: 1204#/30";  
 FFP: 74-74#/30"; FSIP: 1173#/30".

| Name        | Top           | Bottom |
|-------------|---------------|--------|
| Anhydrite   | 1874' (+ 404) |        |
| B/Anhydrite | 1906' (+ 372) |        |
| Topeka      | 3263' (- 985) |        |
| Heebner     | 3468' (-1190) |        |
| Toronto     | 3489' (-1211) |        |
| Lansing     | 3501' (-1223) |        |
| B/KC        | 3694' (-1416) |        |
| Arbuckle    | 3738' (-1460) |        |
| LTD         | 3784' (-1506) |        |

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

| 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"   | 24#            | 256'  | 60-40 Poz      | 1/5         | 2% gel 3% cc               |
| PERFORATION RECORD  |                   |  |                | Acid, Fracture, Shot, Cement Squeeze Record                                   |                |             |                            |
| Shots Per Foot  |                   | Specify Footage of Each Interval Perforated  |                | (Amount and Kind of Material Used)  |                | Depth       |                            |
|   |                   |  |                | <b>RELEASED</b>   |                |             |                            |
| TUBING RECORD   |                   |  |                | Liner Run <input type="checkbox"/> Yes <input checked="" 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 |                |   |                |             |                            |
| Estimated Production Per 24 Hours   |                   | Oil Bbls   | Gas MCF        | Water Bbls  | Gas-Oil Ratio  | Gravity     |                            |

MAR 30 1989 3-30-89

FROM CONFIDENTIAL

METHOD OF COMPLETION Production Interval

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

**FILL IN WELL LOG AS REQUIRED:**

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.

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

| FORMATION DESCRIPTION, CONTENTS, ETC.   | TOP | BOTTOM | NAME | DEPTH |
|---|-----|--------|------|-------|
| <p>DST #5 3568'-3592' (70' &amp; 90' zones).<br/>                     Rec. 5' of mud, no show of oil.<br/>                     IFP:31-31#/30"; ISIP:521#/30";<br/>                     FFP:31-31#/30"; FSIP:329#/30".</p> <p>DST #6 3610'-3710' (140'-220' zones).<br/>                     Recovered 10' of mud, no show of oil.<br/>                     IFP:74-74#/30"; ISIP:773#/30";<br/>                     FFP:85-85#/30"; FSIP:689#/30".</p> <p>DST #7 from 3698'-3755' (Arbuckle).<br/>                     Recovered 10' of mud w/few oil spots.<br/>                     IFP:63-63#/30"; ISIP:594#/30";<br/>                     FFP:63-63#/30"; FSIP:382#/30".</p> |     |        |      |       |
| <p>PLEASE KEEP THIS<br/>                     INFORMATION<br/>                     CONFIDENTIAL</p>  |     |        |      |       |
| <p style="text-align: right;"> <b>RELEASED</b><br/> <i>3-30-89</i><br/> <b>MAR 30 1989</b><br/> <b>FROM CONFIDENTIAL</b> </p> <p style="text-align: left;"> <b>KANSAS GEOLOGICAL SURVEY</b><br/> <b>WICHITA BRANCH</b> </p> <p style="text-align: center;"> <b>JAN 28 1988</b> </p> <p style="text-align: right;"> <b>JAN 28 1988</b> </p>  |     |        |      |       |