

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

API NO. 15-065-22,484-00-00  
County...Graham  
NE SE NE Sec. 7 Twp. 6S Rge. 21W X West

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

3630 Ft North from Southeast Corner of Section  
330 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser Koch Oil Company  
Wichita, KS

Lease Name Voss Well # 4

Operator Contact Person Jeff Christian  
Phone 316/267-4375

Field Name Boys South Newboys

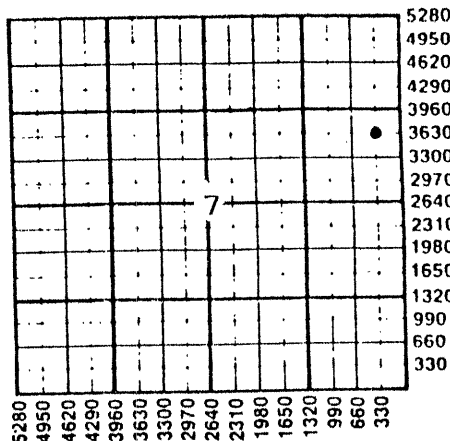
Contractor: License # 6033  
Name Murfin Drilling Co.

Producing Formation Lansing

Wellsite Geologist Leah Ann Kasten  
Phone 316/267-4375

Elevation: Ground 2186' KB 2191'

Section Plat



Designate Type of Completion  
X New Well Re-Entry Workover  
X Oil SWD Temp Abd  
Gas Inj Delayed Comp.  
Dry Other (Core, Water Supply etc.)  
If ONWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

PLEASE KEEP THIS  
INFORMATION  
CONFIDENTIAL  
RECEIVED  
STATE CORPORATION COMMISSION  
6 1989  
1-6-89  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: X Disposal  
Docket # D-20,496 Repressuring

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable  
9/18/88 9/25/88 10/21/88  
Spud Date Date Reached TD Completion Date  
3730' 3685'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 8-5/8" @ 256' feet  
Multiple Stage Cementing Collar Used? X Yes No  
If yes, show depth set 1818 feet  
If alternate 2 completion, cement circulated from 1818 feet depth to surface, 285 SX cmt  
Cement Company Name Allied Cementing Co.  
Invoice # 52723  
1-10-89

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717  
Source of Water: Water well.  
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 1/05/89

Subscribed and sworn to before me this 5th day of January 1989

Notary Public Linda K. Rice

Date Commission Expires 6/07/92



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)  
1-6-89  
Form ACO-1 (5-86)

Sec. 7, Twp. 6 S, Rge. 21 W

Operator Name Ritchie Exploration, Inc. Lease Name VOSA Well # 4

RELEASED

Sec. 7 Twp. 6S Rge. 21W  East  West County Graham

MAR 07 1990  
3-7-90

WELL LOG

FROM CONFIDENTIAL

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

DST #1 3355'-3386' (Oread A&B zones). Rec. 120' gip; 60' mud & water cut oil; 300' oil cut watery mud; & 720' salt water.  
 IFP:137-286#/30"; ISIP:968#/30";  
 FFP:413-508#/30"; FSIP:979#/30".

DST #2 3392'-3464' (Toronto & Top zone). Rec. 10' of mud w/a few oil spots.  
 IFP:84-84#/30"; ISIP:455#/30";  
 FFP:84-84#/30"; FSIP:370#/30".

DST #3 3468'-3504' (35' & 50' zones). Rec. 25' of mud w/oil spots. IFP:63-63#/30"; ISIP:317#/45";  
 FFP:74-74#/30"; FSIP:233#/45".

DST #4 3504'-3533' (70', 90' & 100' zones). Rec. 1' of free oil & 9' of heavy oil cut mud.  
 IFP:74-74#/30"; ISIP:95#/45";  
 FFP:74-74#/30"; FSIP:74#/45".

| Formation Description |       |         |
|-----------------------|-------|---------|
| Name                  | Top   | Bottom  |
| Anhydrite             | 1842' | (+ 349) |
| B/Anhydrite           | 1874' | (+ 317) |
| Topeka                | 3199' | (-1008) |
| Heebner               | 3402' | (-1211) |
| Toronto               | 3533' | (-1242) |
| Lansing               | 3450' | (-1259) |
| B/KC                  | 3637' | (-1446) |
| Arbuckle              | 3693' | (-1502) |
| LTD                   | 3729' | (-1538) |

DST #5 3549'-3616' (140', 160' & 180' zones). Rec. 180' gip; 65' free oil; and 55' of oil cut mud.  
 IFP:84-95#/45"; ISIP:254#/60";  
 FFP:105-105#/45"; FSIP:243#/60".

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used<br>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  | 1 7/8"  | 8-5/8"                    | 24#            | 256'   | 60/40poz       | 175         | 2% gel, 3% CC              |
| Production   | 7-7/8"  | 4 1/2"                    | 10.5#          | 3728'  | 60/40poz       | 125         | 10% salt, 3% gilsonite     |
|  |   |                           |                |  |                | 10          | salt flush                 |
| PERFORATION RECORD   |   |                           |                | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) |                |             |                            |
| Shots Per Foot   | Specify Footage of Each Interval Perforated   |                           |                | Depth  |                |             |                            |
| 4 shots  | 3693 1/2' - 3695 1/2'   |                           |                | Treated w/ 350 gal. of 15% MCA 3693 1/2' - 35 1/2'                             |                |             |                            |
| 3 shots  | 3599' - 3602'   |                           |                | 1800 gal. of 15% MCA 3599' - 3602'; 3588' - 3592'                              |                |             |                            |
| 2 shots  | 3588' - 92'; 3482' - 85'; 3451' - 53'   |                           |                | 700 gal. of 28% NE 3482' - 85'   |                |             |                            |
|  |   |                           |                | 600 gal. of 28% NE 3451' - 53'   |                |             |                            |
| TUBING RECORD  |   |                           |                | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No             |                |             |                            |
| Date of First Production   | Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... |                           |                |  |                |             |                            |
| 10/21/88   |   |                           |                |  |                |             |                            |
| Estimated Production Per 24 Hours  | Oil   | Gas                       | Water          | Gas-Oil Ratio  | Gravity        |             |                            |
|  | 30 Bbls   | MCF                       | 7 Bbls         | CFPB   |                |             |                            |

METHOD OF COMPLETION

Production Interval

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

3451'-53'; 3482'-85';  
 .....  
 3588'-92'; 3599'-3602';  
 .....