

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33078  
 Name: Patrick Petroleum, LLC  
 Address: 6120 S. Yale, Suite 810  
 City/State/Zip: Tulsa, Oklahoma 74136  
 Purchaser: NA  
 Operator Contact Person: Loren D. Schmidt  
 Phone: ( 918 ) 477-7755  
 Contractor: Name: McPherson Drilling  
 License: 5675  
 Wellsite Geologist: Loren D. Schmidt  
 Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
 If Workover/Re-entry: Old Well Info as follows:  
 Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_  

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| <u>12-9-02</u>                    | <u>12-11-02</u> | <u>5-23-03</u>                          |
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |

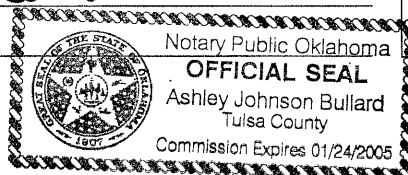
API No. 15 - 207-26,784-00-00  
 County: Woodson  
E/2 W/2 NW Sec. 25 Twp. 24 S. R. 15  East  West  
1320 feet from S / (N) (circle one) Line of Section  
990 feet from E / (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE (NW) SW  
 Lease Name: Breneman Well #: 25-1  
 Field Name: Cherokee Basin Coal Gas Area  
 Producing Formation: Weir-Pittsburg Coal  
 Elevation: Ground: 1052 Kelly Bushing: NA  
 Total Depth: 1487 Plug Back Total Depth: 1483  
 Amount of Surface Pipe Set and Cemented at 40.2 Feet  
 Multiple-Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 1484  
 feet depth to surface w/ 265 sx cmt.

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit) *McPherson 2-17-04*  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used Air Dried  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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: *Loren D. Schmidt* **Loren D. Schmidt**  
 Title: Senior Geologist/Partner Date: 2-2-04  
 Subscribed and sworn to before me this 3 day of February,  
 2004.  
 Notary Public: *Ashley Johnson Bullard*  
 Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Patrick Petroleum, LLC Lease Name: Breneman Well #: 25-1  
 Sec. 25 Twp. 24 S. R. 15  East  West County: Woodson

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

|   |   |       |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
|---|---|-------|-----|-------|------------------------|-----|------|--------------|-----|------|------------|-----|------|---------------|-----|-----|---------------------|------|------|---------------|------|------|-------------------|------|------|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run:<br><br>Compensated Density - Neutron Log<br>Dual Induction SFL/GR Log<br>Cement Bond Log | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Base Kansas City Group</td> <td>688</td> <td>+364</td> </tr> <tr> <td>Altamont Ls.</td> <td>869</td> <td>+183</td> </tr> <tr> <td>Pawnee Ls.</td> <td>943</td> <td>+109</td> </tr> <tr> <td>Ft. Scott Ls.</td> <td>991</td> <td>+61</td> </tr> <tr> <td>Weir-Pittsburg Coal</td> <td>1247</td> <td>-195</td> </tr> <tr> <td>Riverton Coal</td> <td>1392</td> <td>-340</td> </tr> <tr> <td>Mississippian Ls.</td> <td>1406</td> <td>-354</td> </tr> </table> | Name  | Top | Datum | Base Kansas City Group | 688 | +364 | Altamont Ls. | 869 | +183 | Pawnee Ls. | 943 | +109 | Ft. Scott Ls. | 991 | +61 | Weir-Pittsburg Coal | 1247 | -195 | Riverton Coal | 1392 | -340 | Mississippian Ls. | 1406 | -354 |
| Name  | Top   | Datum |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
| Base Kansas City Group  | 688   | +364  |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
| Altamont Ls.  | 869   | +183  |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
| Pawnee Ls.  | 943   | +109  |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
| Ft. Scott Ls.   | 991   | +61   |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
| Weir-Pittsburg Coal   | 1247  | -195  |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
| Riverton Coal   | 1392  | -340  |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |
| Mississippian Ls.   | 1406  | -354  |     |       |                        |     |      |              |     |      |            |     |      |               |     |     |                     |      |      |               |      |      |                   |      |      |

| CASING RECORD <input type="checkbox"/> New <input checked="" 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   | 11"               | 8 5/8"                    | 23                | 40.2'         | Portland       | 8            | NA                         |
| Production  | 7 7/8"            | 5 1/2"                    | 15.5              | 1484          | Arkoma Lite    | 265          | NA                         |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD |                  |                |             |                            |
|---------------------------------------|------------------|----------------|-------------|----------------------------|
| Purpose:                              | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| ___ Perforate                         |                  |                |             |                            |
| ___ Protect Casing                    |                  |                |             |                            |
| ___ Plug Back TD                      |                  |                |             |                            |
| ___ Plug Off Zone                     |                  |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth     |
|----------------|---|--|-----------|
| 4 spf          | 1247-1251   | Acid: 336 gals 15% HCl   | 1247-1251 |
|                |   | Frac: 14,200# 20/40 sd, 6,500# 12/20 sd  | 1247-1251 |
|                |   | 875 bbls fresh water w/ bactericide  |           |
|                |   |  |           |

|  |                |  |                   |   |
|--|----------------|--|-------------------|---|
| TUBING RECORD  | Size<br>2 7/8" | Set At<br>1360'  | Packer At         | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumerd Production, SWD or Enhr.<br>6-5-2003 |                | Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |                   |   |
| Estimated Production Per 24 Hours                            | Oil Bbls.<br>0 | Gas Mcf<br>Trace   | Water Bbls.<br>39 | Gas-Oil Ratio<br>   |

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACC-18.)*

METHOD OF COMPLETION

Production Interval  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

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FEB 05 2004

ORIGINAL

KCC WICHITA

CEMENT JOB REPORT



|  |          |                                     |                           |              |                            |                                       |                            |               |                  |             |               |       |
|--|----------|-------------------------------------|---------------------------|--------------|----------------------------|---------------------------------------|----------------------------|---------------|------------------|-------------|---------------|-------|
| CUSTOMER Patrick Exploration Co.                         |          |                                     | DATE 23-DEC-02            |              | F.R. # [REDACTED]          |                                       | SERV. SUPV. Danny Bane     |               |                  |             |               |       |
| LEASE & WELL NAME<br>BRENNEMAN 25-1 - API 15207267840000 |          |                                     | LOCATION<br>25-24S-15E    |              |                            | COUNTY-PARISH-BLOCK<br>Woodson Kansas |                            |               |                  |             |               |       |
| DISTRICT<br>McAlester                                    |          |                                     | DRILLING CONTRACTOR RIG # |              |                            | TYPE OF JOB<br>Long String            |                            |               |                  |             |               |       |
| SIZE & TYPE OF PLUGS                                     |          | LIST-CSG-HARDWARE                   |                           |              | PHYSICAL SLURRY PROPERTIES |                                       |                            |               |                  |             |               |       |
| Cement Plug, Rubber, Top 5-1/2 in                        |          | Float Shoe/Poppet Valve 5-1/2 - 8rd |                           |              | SACKS OF CEMENT            | SLURRY WGT PPG                        | SLURRY YLD FT <sup>3</sup> | WATER GPS     | PUMP TIME HR:MIN | Bbl SLURRY  | Bbl MIX WATER |       |
|  |          | Centralizer, with Pins, 5-1/2 in    |                           |              |                            |                                       |                            |               |                  |             |               |       |
| MATERIALS FURNISHED BY BJ                                |          |                                     |                           |              |                            |                                       |                            |               |                  |             |               |       |
| Fresh Water  |          |                                     |                           |              |                            | 8.34                                  |                            |               |                  |             | 10            |       |
| Arkoma Lite 50/50/(Poz/Type1)                            |          |                                     |                           |              |                            | 265                                   | 14.3                       | 1.25          | 5.3              |             | 59            | 33.44 |
| Fresh Water  |          |                                     |                           |              |                            | 8.34                                  |                            |               |                  |             | 35.2          |       |
| Available Mix Water 40 Bbl.                              |          |                                     |                           |              |                            | Available Displ. Fluid 90 Bbl.        |                            | TOTAL         |                  | 104.2       | 33.44         |       |
| HOLE   |          |                                     | TBG-CSG-D.P.              |              |                            |                                       |                            | COLLAR DEPTHS |                  |             |               |       |
| SIZE   | % EXCESS | DEPTH                               | SIZE                      | WGT.         | TYPE                       | DEPTH                                 | GRADE                      | SHOE          | FLOAT            | STAGE       |               |       |
| 7.875  |          | 1486                                | 5.5                       | 15.5         | CSG                        | 1479                                  | J-55                       | 1481          | 1479             |             |               |       |
| LAST CASING  |          |                                     | PKR-CMT RET-BR PL-LINER   |              |                            | PERF. DEPTH                           |                            | TOP CONN      |                  | WELL FLUID  |               |       |
| SIZE   | WGT      | TYPE                                | DEPTH                     | BRAND & TYPE | DEPTH                      | TOP                                   | BTM                        | SIZE          | THREAD           | TYPE        | WGT.          |       |
|  |          |                                     |                           |              |                            |                                       |                            | 5.5           | 8RND             | FRESH WATER | 8.34          |       |
| DISPL. VOLUME  |          | DISPL. FLUID                        |                           | CAL. PSI     | CAL. MAX PSI               | OP. MAX                               | MAX TBG PSI                |               | MAX CSG PSI      |             | MIX WATER     |       |
| VOLUME   | UOM      | TYPE                                | WGT.                      | BUMP PLUG    | TO REV.                    | SQ. PSI                               | RATED                      | Operator      | RATED            | Operator    |               |       |
| 35.2   | BBLS     | Fresh Water                         | 8.34                      | 461          | 0                          | 0                                     | 0                          | 0             | 3848             | 2000        | Hurricane     |       |

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive at 10:00; Safety meeting, rig up, wait on casers.

| PRESSURE/RATE DETAIL |                |         |          |                   | EXPLANATION |  |
|----------------------|----------------|---------|----------|-------------------|-------------|--|
| TIME HR:MIN.         | PRESSURE - PSI |         | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE  | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> |
|                      | PIPE           | ANNULUS |          |                   |             |  |
| 13:00                |                |         |          |                   | WATER       | CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input checked="" type="checkbox"/>                   |
| 13:03                | 155            |         | 4.4      | 8                 | WATER       | Test lines to 3000 PSI   |
| 13:15                | 190            |         | 5        | 59                | CEMENT      | End of water of ahead, start slurry at 14.3 PPG  |
| 13:18                | 387            |         | 5        | 5                 | WATER       | End of slurry, wash pump, drop plug  |
| 13:20                | 650            |         | 2.1      | 5                 | WATER       | 5 bbl displaced, catch cement, see lift  |
|                      |                |         |          |                   |             | 10 bbl displaced, Well bridging, slow rate   |
| 13:30                | 680            |         | 2.2      | 23.5              | WATER       | 33.5 bbl displaced, Cement to surface  |
| 13:31                | 1216           |         | 2.1      | 2                 | WATER       | 35.5 bbl displaced, bump plug, pressure to 2800 PSI  |
| 13:32                | 0              |         | 0        | -25               |             | Check float, 1/4 bbl back, float holding   |
|                      |                |         |          |                   |             | Circulated 2 bbl, 10 sx cement to surface ✓  |
|                      |                |         |          |                   |             | Thanks for using BJ Services, Danny and Crew !...  |

|                                       |                  |                                       |                           |                   |                 |   |                                     |
|---------------------------------------|------------------|---------------------------------------|---------------------------|-------------------|-----------------|---|-------------------------------------|
| BUMPED PLUG                           | PSI TO BUMP PLUG | TEST FLOAT EQUIP.                     | BBL.CMT RETURNS/ REVERSED | TOTAL BBL. PUMPED | PSI LEFT ON CSG | SPOT TOP OUT CEMENT                     | SERV. SUPV. <i>Danny Bane</i>       |
| <input checked="" type="checkbox"/> Y | N 680            | <input checked="" type="checkbox"/> Y | N 2                       | 102               | 0               | Y <input checked="" type="checkbox"/> N | Report For: Kansas Corp. Commission |

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Drillers Log  
McPherson Drilling LLC

ORIGINAL

FEB 05 2004

KCC WIGHTA

|                             |  |                     |                    |
|-----------------------------|--|---------------------|--------------------|
| <b>Rig:</b> 2               |  |                     |                    |
| <b>API No.</b> 15-          |  |                     | <b>Elev.</b> 1052' |
| <b>Operator:</b>            | Patrick Petroleum LLC                      |                     |                    |
| <b>Address:</b>             | 6120 S. Yale, Suite 810<br>Tulsa, OK 74136 |                     |                    |
| <b>Well No:</b> 25-1        | <b>Lease Name:</b>                         | Breneman            |                    |
| <b>Footage Location:</b>    | 1320 ft. from the                          | North               | Line               |
|                             | 990 ft. from the                           | West                | Line               |
| <b>Drilling Contractor:</b> | McPherson Drilling LLC                     |                     |                    |
| <b>Spud date:</b>           | 12/9/02                                    | <b>Geologist:</b>   | Bernie Boysen      |
| <b>Date Completed:</b>      | 12/11/02                                   | <b>Total Depth:</b> | 1487'              |

|                |                |                |
|----------------|----------------|----------------|
| <b>S. 25</b>   | <b>T. 24</b>   | <b>R. 15 E</b> |
| <b>Loc:</b>    | E/2 - W/2 - NW |                |
| <b>County:</b> | Woodson        |                |

| <b>Gas Tests:</b> |      |     |
|-------------------|------|-----|
| 966'              | 7.06 | MCF |
| 990'              | 7.70 | MCF |
| 1030'             | 7.70 | MCF |
| 1267'             | 7.70 | MCF |

| <b>Casing Record</b>  |          |            |
|-----------------------|----------|------------|
|                       | Surface  | Production |
| <b>Size Hole:</b>     | 11"      | 7 7/8"     |
| <b>Size Casing:</b>   | 8 5/8"   | McPherson  |
| <b>Weight:</b>        | 23#      |            |
| <b>Setting Depth:</b> | 40.2'    |            |
| <b>Type Cement:</b>   | Portland |            |
| <b>Sacks:</b>         | 8        | McPherson  |

|                  |
|------------------|
| <b>Rig Time:</b> |
|                  |

|                     |
|---------------------|
| <b>Water @ 440'</b> |
|                     |

| <b>Well Log</b> |     |      |               |      |      |             |      |      |    |
|-----------------|-----|------|---------------|------|------|-------------|------|------|----|
| Formation       | Top | Btm. | Formation     | Top  | Btm. | Formation   | Top  | Btm. |    |
| soil            | 0   | 2    | shale         | 859  | 872  | coal        | 1173 | 1174 |    |
| clay            | 2   | 6    | lime          | 872  | 881  | shale       | 1174 | 1191 |    |
| shale           | 6   | 21   | shale         | 881  | 889  | sand/shale  | 1191 | 1218 |    |
| lime            | 21  | 24   | sand (no sho) | 889  | 902  | shale       | 1218 | 1223 |    |
| shale           | 24  | 37   | sandy shale   | 902  | 943  | lime        | 1223 | 1224 |    |
| lime            | 37  | 39   | lime          | 943  | 953  | shale       | 1224 | 1246 |    |
| shale           | 39  | 206  | shale         | 953  | 958  | coal        | 1246 | 1250 |    |
| lime            | 206 | 258  | lime          | 958  | 967  | sand        | 1250 | 1258 |    |
| shale           | 258 | 261  | shale         | 967  | 975  | shale       | 1258 | 1335 |    |
| lime            | 261 | 322  | lime          | 975  | 979  | sand/shale  | 1335 | 1355 |    |
| shale           | 322 | 329  | shale         | 979  | 987  | coal        | 1355 | 1356 |    |
| lime            | 329 | 411  | lime          | 987  | 1006 | shale       | 1356 | 1391 |    |
| shale           | 411 | 421  | shale         | 1006 | 1010 | coal        | 1391 | 1394 |    |
| lime            | 421 | 485  | lime          | 1010 | 1015 | shale       | 1394 | 1405 |    |
| shale           | 485 | 514  | Summit        | 1015 | 1024 | Mississippi | 1405 | 1487 | TD |
| coal            | 514 | 515  | lime          | 1024 | 1026 |             |      |      |    |
| lime            | 515 | 541  | shale (Mulky) | 1026 | 1032 |             |      |      |    |
| shale           | 541 | 552  | oil sand      | 1032 | 1041 |             |      |      |    |
| lime            | 552 | 635  | sandy shale   | 1041 | 1065 |             |      |      |    |
| shale           | 635 | 638  | coal          | 1065 | 1066 |             |      |      |    |
| lime            | 638 | 683  | shale         | 1066 | 1161 |             |      |      |    |
| shale           | 683 | 844  | coal          | 1161 | 1162 |             |      |      |    |
| lime            | 844 | 859  | shale         | 1162 | 1173 |             |      |      |    |