

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**

Operator: License # 5682  
Name: Hughes Drilling Co.  
Address: 122 N. Main  
City/State/Zip: Wellsville, Ks. 66092  
Purchaser: CMI

Operator Contact Person: Carl (Clay) Hughes  
Phone: (785) 883-2235  
Contractor: Name: company tools

License: \_\_\_\_\_  
Wellsite Geologist: none

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover  
☒ Oil ☐ SWD ☐ SLOW ☐ 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. \_\_\_\_\_

4/8/02 4/11/02 6/18/02  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 059-24,917

County: Franklin

NE NW NW SE Sec. 7 Twp. 17 S. R. 21 ☒ East ☐ West

2600 feet from (S) N (circle one) Line of Section

2300 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: South Hughes Well #: 3

Field Name: Paola-Rantoul

Producing Formation: Squirrel

Elevation: Ground: na Kelly Bushing: \_\_\_\_\_

Total Depth: 695 Plug Back Total Depth: 633

Amount of Surface Pipe Set and Cemented at 20.6 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 633

feet depth to surface w/ 85 sx cmt.

Drilling Fluid Management Plan Well EN B-21-02  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

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: Carl C. Hughes

Title: Partner Date: 8/21/02

Subscribed and sworn to before me this 21st day of August

2002  
Notary Public: Dwenda J. Vinken

Date Commission Expires: 12-03-05

**KCC Office Use ONLY**

NO Letter of Confidentiality Attached

If Denied, Yes ☐ Date: \_\_\_\_\_

☒ Wireline Log Received

NO Geologist Report Received

\_\_\_\_ UIC Distribution

Operator Name: Hughes Drilling Co. Lease Name: South Hughes Well #: 3  
 Section: 7 Township: 17 Range: 21 ✓ East West County: Franklin

**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.

| <p>Drill Stem Tests Taken <input type="checkbox"/> Yes ✓ No<br/>         (Attach Additional Sheets)</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes No</p> <p>Cores Taken ✓ Yes No</p> <p>Electric Log Run ✓ Yes No<br/>         (Submit Copy)</p> <p>List All E. Logs Run:</p> <p>Gamma-Ray/Neutron</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Log</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">✓ Sample</th> </tr> <tr> <td>Name</td> <td>Top Datum</td> <td></td> </tr> <tr> <td>Hertha</td> <td>238 242</td> <td></td> </tr> <tr> <td>#1 Squirrel</td> <td>515 522</td> <td></td> </tr> <tr> <td>#2 Squirrel</td> <td>572 574</td> <td></td> </tr> <tr> <td>#3 Squirrel</td> <td>581 589</td> <td></td> </tr> </table> | Log      | Formation (Top), Depth and Datum | ✓ Sample | Name | Top Datum |  | Hertha | 238 242 |  | #1 Squirrel | 515 522 |  | #2 Squirrel | 572 574 |  | #3 Squirrel | 581 589 |  |
|---|--|----------|----------------------------------|----------|------|-----------|--|--------|---------|--|-------------|---------|--|-------------|---------|--|-------------|---------|--|
| Log   | Formation (Top), Depth and Datum   | ✓ Sample |                                  |          |      |           |  |        |         |  |             |         |  |             |         |  |             |         |  |
| Name  | Top Datum  |          |                                  |          |      |           |  |        |         |  |             |         |  |             |         |  |             |         |  |
| Hertha  | 238 242  |          |                                  |          |      |           |  |        |         |  |             |         |  |             |         |  |             |         |  |
| #1 Squirrel   | 515 522  |          |                                  |          |      |           |  |        |         |  |             |         |  |             |         |  |             |         |  |
| #2 Squirrel   | 572 574  |          |                                  |          |      |           |  |        |         |  |             |         |  |             |         |  |             |         |  |
| #3 Squirrel   | 581 589  |          |                                  |          |      |           |  |        |         |  |             |         |  |             |         |  |             |         |  |

| CASING RECORD <span style="float: right;">New Used</span>                 |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| 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   | 13                | 8                         | 22                | 20.6          | portland       | 5            | none                       |
| production  | 5 1/4             | 2 1/2                     | 7                 | 633           | 50/50 poz      | 85           | 2% gel                     |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |             |                            |
|--|------------------|----------------|-------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> 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>(Amount and Kind of Material Used) | Depth   |
|----------------|---|---|---------|
| 7              | 581-588   | fracture-5 sx 20/40 sand, 40 sx 12/20 sand  | 581-588 |
|                |   |   |         |
|                |   |   |         |
|                |   |   |         |
|                |   |   |         |

| TUBING RECORD  |           | Size                                       | Set At      | Packer At     | Liner Run | Yes | ✓ No |
|--|-----------|--|-------------|---------------|-----------|-----|------|
| Date of First, Resumed Production, SWD or Enhr.<br>6/19/02 |           | Producing Method                           |             |               |           |     |      |
|  |           | Flowing ✓ Pumping Gas Lift Other (Explain) |             |               |           |     |      |
| Estimated Production Per 24 Hours                          | Oil Bbls. | Gas Mcf                                    | Water Bbls. | Gas-Oil Ratio | Gravity   |     |      |
|  | 2         | trace                                      | 1           |               | 33        |     |      |

|  |  |                     |
|--|--|---------------------|
| Disposition of Gas   | METHOD OF COMPLETION   | Production Interval |
| <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease<br>(If vented, Submit ACO-18.) | <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><input type="checkbox"/> Other (Specify) _____ |                     |