

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

3/9/12

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 4767  
Name: Ritchie Exploration, Inc.  
Address 1: P.O. Box 783188  
Address 2: \_\_\_\_\_  
City: Wichita State: KS Zip: 67278 + 3118  
Contact Person: John Niernberger  
Phone: ( 316 ) 691-9500  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Co., Inc.  
Wellsite Geologist: Jeff Christian  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
 Dry \_\_\_\_\_ Other \_\_\_\_\_  
(Core, WSW, Expl., Castlog, 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. \_\_\_\_\_ Conv. to SWD \_\_\_\_\_  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
12/1/09                      12/8/09                      12/9/09  
Spud Date or                      Date Reached TD                      Completion Date or  
Recompletion Date                                                                Recompletion Date

API No. 15 - 063-21819-0000  
Spot Description: 125' N & 90' E  
C NW SE NE Sec. 29 Twp. 13 S. R. 31  East  West  
1525 Feet from  North /  South Line of Section  
900 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Gove  
Lease Name: Hess 29A Well #: 2  
Field Name: \_\_\_\_\_  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2857 Kelly Bushing: 2862  
Total Depth: 4635 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 219 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: \_\_\_\_\_  
feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.


**Drilling Fluid Management Plan** PANJ 3-22-10  
(Data must be collected from the Reserve Pit)  
Chloride content: 6800 ppm Fluid volume: 410 bbls  
Dewatering method used: evaporation  
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: \_\_\_\_\_  
Title: Production Manager Date: 3/9/10  
Subscribed and sworn to before me this 9<sup>th</sup> day of March  
20 10.  
Notary Public: Debra K Phillips  
Date Commission Expires: 5-4-11

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
\_\_\_\_\_ UIC Distribution

 **DEBRA K. PHILLIPS**  
Notary Public - State of Kansas  
My Appt. Expires 5-4-11

Operator Name: Ritchie Exploration, Inc. Lease Name: Hess 29A Well #: 2  
 Sec. 29 Twp. 13 S. R. 31  East  West County: Gove

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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><b>Dual Induction Log</b><br><b>Compensated Density/Neutron Log</b> | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample<br>Name Top Datum<br><br>SEE ATTACHED<br><br><b>RECEIVED</b><br><b>MAR 10 2010</b><br><br><b>KCC</b><br><b>MAR 09 2010</b><br><b>CONFIDENTIAL</b> |
|---|--|

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used <b>KCC WICHITA</b> |                   |                           |                   |               |                |              |                            |
|--|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| 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                     | 23                | 219           | common         | 170          | 3%cc, 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><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

|   |   |  |
|---|---|--|
| TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ |   | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No  |
| Date of First, Resumed Production, SWD or Enhr. _____     |   | 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 Bbls. _____ Gas Mcf _____ Water Bbls. _____ | Gas-Oil Ratio _____ Gravity _____  |

|   |  |  |
|---|--|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br>_____<br>_____ |
|---|--|--|

# ALLIED CEMENTING CO., LLC. 044431

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Oakley

|                                    |                 |   |                 |                       |                            |                         |                          |
|------------------------------------|-----------------|---|-----------------|-----------------------|----------------------------|-------------------------|--------------------------|
| DATE <u>12-09</u>                  | SEC. <u>29</u>  | TWP. <u>13</u>                          | RANGE <u>31</u> | CALLED OUT            | ON LOCATION <u>10:00am</u> | JOB START <u>2:00pm</u> | JOB FINISH <u>2:30pm</u> |
| LEASE <u>Hess 29A</u>              | WELL# <u>#2</u> | LOCATION <u>Oakley S. Cochr Rd - 36</u> |                 |                       | COUNTY <u>Goos</u>         | STATE <u>KS</u>         |                          |
| OLD OR NEW (Circle one) <u>NEW</u> |                 |   |                 | <u>45-1/2 E. 34th</u> |                            |                         |                          |

CONTRACTOR Munsie #8  
 TYPE OF JOB PTA  
 HOLE SIZE 7 7/8 T.D. 4365'  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 2350'  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 220 sacks 60/40  
40 sack 1 1/2" Clo-scal

|          |                     |                |                |
|----------|---------------------|----------------|----------------|
| COMMON   | <u>132</u>          | @ <u>15.45</u> | <u>2039.40</u> |
| POZMIX   | <u>88</u>           | @ <u>8.00</u>  | <u>704.00</u>  |
| GEL      | <u>8</u>            | @ <u>20.80</u> | <u>166.40</u>  |
| CHLORIDE |                     | @              |                |
| ASC      |                     | @              |                |
|          |                     | @              |                |
|          | <u>Clo-scal 55#</u> | @ <u>2.50</u>  | <u>137.50</u>  |
|          |                     | @              |                |
|          |                     | @              |                |
|          |                     | @              |                |
|          |                     | @              |                |
| HANDLING | <u>230</u>          | @ <u>2.40</u>  | <u>552.00</u>  |
| MILEAGE  | <u>104.54 mile</u>  |                | <u>460.00</u>  |
|          |                     |                | <u>30</u>      |
| TOTAL    |                     |                | <u>4059</u>    |

**KCC**  
**MAR 09 2010**  
**CONFIDENTIAL**

RECEIVED  
 MAR 10 2010

KCC WICHITA

REMARKS:

25sks @ 2350'  
100sks @ 1475'  
40sks @ 275'  
10sks @ 40'  
30sks RM  
15sks MH  
Job complete @ 2:30pm  
Thanks Fuzz & crew

SERVICE

DEPTH OF JOB 2350'  
 PUMP TRUCK CHARGE 1185.00  
 EXTRA FOOTAGE @ 140.00  
 MILEAGE 20 @ 7.00 140.00  
 MANIFOLD @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL 1325.00

CHARGE TO: Ritchie Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

1-8 7/8 Dry hole plug @ 40.00 40.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL 40.00

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Rodney Farr  
 SIGNATURE Rodney Farr

-TCW

# ALLIED CEMENTING CO., LLC. 044351

REMIT TO: P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Oakley, KS*

|                         |                 |  |                 |            |                            |                       |                        |
|-------------------------|-----------------|--|-----------------|------------|----------------------------|-----------------------|------------------------|
| DATE <i>12/1/09</i>     | SEC <i>29</i>   | TWP. <i>13</i>                         | RANGE <i>31</i> | CALLED OUT | ON LOCATION <i>7:00 pm</i> | JOB START <i>8:00</i> | JOB FINISH <i>8:30</i> |
| LEASE <i>Hess 29A</i>   | WELL # <i>2</i> | LOCATION <i>Oakley 115 3E 45 1/2 E</i> |                 |            | COUNTY <i>Gove</i>         | STATE <i>KS</i>       |                        |
| OLD OR NEW (Circle one) |                 | TO FIRST MILL BATTERY 5 - E - TO       |                 |            |                            |                       |                        |

CONTRACTOR *Murkin 8* OWNER *Same*

TYPE OF JOB *Surface*  
 HOLE SIZE *12 1/4* T.D. *219'*  
 CASING SIZE *8 7/8* DEPTH *219'*  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. *15'*  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT *12.99 BBL*

CEMENT AMOUNT ORDERED *170 con 300 cc 20 gal*

|          |            |   |              |                |
|----------|------------|---|--------------|----------------|
| COMMON   | <i>170</i> | @ | <i>15.45</i> | <i>2626.50</i> |
| POZMIX   |            | @ |              |                |
| GEL      | <i>3</i>   | @ | <i>20.50</i> | <i>62.40</i>   |
| CHLORIDE | <i>6</i>   | @ | <i>58.50</i> | <i>349.50</i>  |
| ASC      |            | @ |              |                |

EQUIPMENT

PUMP TRUCK CEMENTER *Alan*  
 # *422* HELPER *Wayne*  
 BULK TRUCK  
 # *390* DRIVER *LaDene*  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

RECEIVED  
 MAR 10 2010  
 KCC WICHITA  
 HANDLING *179*  
 MILEAGE \_\_\_\_\_  
 TOTAL *3825.70*

**KCC**  
 MAR 09 2010  
 CONFIDENTIAL

REMARKS:  
*Cement did circulate*

SERVICE

DEPTH OF JOB *219'*  
 PUMP TRUCK CHARGE *1018.00*  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE *20* @ *7.00* *140*  
 MANIFOLD @ \_\_\_\_\_  
 TOTAL *1158.00*

CHARGE TO: *Ritchie Exploration*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME *Rodney Fair*  
 SIGNATURE *Rodney Fair*

*[Handwritten mark]*



**#2 Hess 29A**

1525' FNL & 900' FEL

125' N & 90' E of C NW SE NE Section 29-13S-31W

Gove County, Kansas

API# 15-063-21819-0000

Elevation: 2857' GL: 2862' KB

| Sample Tops    |       |       | Ref.<br>Well |
|----------------|-------|-------|--------------|
| Anhydrite      | 2340' | +522  | -3           |
| B/Anhydrite    | 2362' | +500  | -2           |
| Heebner        | 3862' | -1000 | -16          |
| Lansing        | 3907' | -1045 | -16          |
| Lansing "C"    | 3942' | -1080 | -17          |
| Lansing "D"    | 3965' | -1103 | -17          |
| Muncie Shale   | 4067' | -1205 | -23          |
| Lansing "H"    | 4082' | -1220 | -23          |
| Stark Shale    | 4152' | -1290 | -24          |
| BKC            | 4227' | -1365 | -22          |
| Pawnee         | 4359' | -1497 | -28          |
| Myric          | 4396' | -1534 | -31          |
| Fort Scott     | 4418' | -1556 | -34          |
| Cherokee Shale | 4443' | -1581 | -34          |
| Johnson        | 4486' | -1624 | -35          |
| B/Johnson      | 4507' | -1645 | -35          |
| Morrow Sand    | 4513' | -1651 | -36          |
| Mississippian  | 4576' | -1714 | -79          |
| RTD            | 4635' | -1773 |              |

RECEIVED

MAR 10 2010

KCC WICHITA

KCC

MAR 09 2010

CONFIDENTIAL