

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

Operator: License # 9953

Name: Harris Oil and Gas Company

Address 1125 Seventeenth Street

Suite 2290

City/State/Zip Denver, CO 80202

Purchaser: N/A

Operator Contact Person: Doug Hoisington

Phone (303) 293-8838

Contractor: Name: Allen Drilling Company

License: 5418

Wellsite Geologist: Pete Debenham

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: N/A

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

3/11/99 3/15/99 3/16/99  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-215770000

County Morton

Approx-CC S/2-NE Sec. 20 Twp. 32S Rge. 40  <sup>E</sup>W

2080 Feet from S (circle one) Line of Section

1420 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE SE, NW or SW (circle one)

Lease Name Musgrove Well # 1-720

Field Name Richfield

Producing Formation N/A

Elevation: Ground 3343' KB 3353'

Total Depth 3450' PBTB 3450'

Amount of Surface Pipe Set and Cemented at 671 Feet

Multiple Stage Cementing Collar Used? Yes  No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to --- w/ --- sx cmt.

Drilling Fluid Management Plan RAA 5-4-99 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 1300 ppm Fluid volume 500 bbls

Dewatering method used Air Evaporation

Location of fluid disposal if hauled offsite:

N/A

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

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 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 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 [Signature]  
Title Operations Manager Date 4/8/99

Subscribed and sworn to before me this 8 day of April, 1999.

Notary Public Sammy Lynn Adamek  
STATE CORPORATION COMMISSION March 31, 2001

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
 Well Log  
Distribution  
KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA \_\_\_\_\_  
KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
(Specify)

APR 12 1999  
CONSERVATION DIVISION  
Wichita, Kansas

FROM CONFIDENTIAL Form ACO-1 (7-91)

Operator Name Harris Oil and Gas Company

Lease Name Musgrove

Well # 1-720

Sec. 20 Twp. 32S Rge. 40

East  
 West

County Morton

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  
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:

**CNS/PDS  
DIS  
MLS**

Log Formation (Top), Depth and Datums  Sample  
Name Top Datum

See Attached

KCC

APR 08 1999

CONFIDENTIAL

CASING RECORD

New  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"                    | 2424            | 671'          | Midcon/<br>Premium | 230          | 3% CaCl, 1/2#<br>Flocele<br>2% CaCl, 1/4#<br>Flocele |

ADDITIONAL CEMENTING/SQUEEZE RECORD N/A

| 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 |                  |                |             |                            |

| N/A<br>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 |
|-----------------------|---|---|-------|
|                       |   |   |       |

| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |
|---------------|------|--------|-----------|--|
|               |      |        |           |  |

| Date of First, Resumed Production, SWD or Inj. | 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:  Vent  Flare  Other (Specify)  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) Dry & Abandoned

Production Interval

APR 2 1999

FR

ORIGINAL

Harris Oil and Gas Company • 1125 17th Street • Suite 2290 • Denver, CO 80202  
(303) 293-8838 • Fax (303) 293-8853

**North Grasslands Prospect**

Musgrove #1-720  
2080' FNL and 1420' FEL Section 20, T32S-R40W  
Morton County, Kansas

Allen Drilling Rig #2  
API #:15-129-215770000

KCC

APR 08 1999

CONFIDENTIAL

RECEIVED  
STATE GEOLOGICAL COMMISSION

APR 12 1999

CONSERVATION DIVISION  
Wichita, Kansas

LOG TOPS

DATUM

Waubunsee  
Topeka "A"  
Topeka "B"

2960'  
3256'  
3290'

+393  
+97  
+63

# ALLIED CEMENTING CO., INC. COPY 3216

Federal Tax I.D.# 48-0727860

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

SERVICE POINT: Oakley

|                         |                     |                                    |                             |                      |                            |                          |                            |
|-------------------------|---------------------|------------------------------------|-----------------------------|----------------------|----------------------------|--------------------------|----------------------------|
| DATE <u>3-16-99</u>     | SEC. <u>20</u>      | TWP. <u>32<sup>s</sup></u>         | RANGE <u>40<sup>w</sup></u> | CALLED OUT           | ON LOCATION <u>3:45 AM</u> | JOB START <u>5:15 AM</u> | JOB FINISH <u>10:30 AM</u> |
| LEASE <u>Mosgrove</u>   | WELL # <u>1-720</u> | LOCATION <u>Rich Field SE-1/4s</u> |                             | COUNTY <u>Morton</u> | STATE <u>Kan</u>           |                          |                            |
| OLD OR NEW (Circle one) |                     |                                    |                             |                      |                            |                          |                            |

|                                    |                   |
|------------------------------------|-------------------|
| CONTRACTOR <u>Allen Dels Co #2</u> | OWNER <u>Same</u> |
| TYPE OF JOB <u>PTA</u>             |                   |
| HOLE SIZE <u>7 7/8</u>             | T.D. <u>3450'</u> |
| CASING SIZE                        | DEPTH             |
| TUBING SIZE                        | DEPTH             |
| DRILL PIPE                         | DEPTH             |
| TOOL                               | DEPTH             |
| PRES. MAX                          | MINIMUM           |
| MEAS. LINE                         | SHOE JOINT        |
| CEMENT LEFT IN CSG.                |                   |
| PERFS. <u>KCC</u>                  |                   |
| DISPLACEMENT                       |                   |

|                         |                      |                            |                             |
|-------------------------|----------------------|----------------------------|-----------------------------|
| EQUIPMENT               | APR 08 1999          |                            |                             |
| PUMP TRUCK # <u>191</u> | CEMENTER <u>Walt</u> |                            |                             |
|                         | HELPER <u>Dean</u>   |                            |                             |
| BULK TRUCK # <u>218</u> | DRIVER <u>Wayne</u>  |                            |                             |
| BULK TRUCK #            | DRIVER               |                            |                             |
|                         |                      | COMMON <u>81</u>           | @ <u>7.55</u> <u>611.55</u> |
|                         |                      | POZMIX <u>54</u>           | @ <u>3.25</u> <u>175.50</u> |
|                         |                      | GEL <u>7</u>               | @ <u>9.50</u> <u>66.50</u>  |
|                         |                      | CHLORIDE                   | @                           |
|                         |                      | <u>Flashed</u> <u>34</u>   | @ <u>1.15</u> <u>39.10</u>  |
|                         |                      |                            | @                           |
|                         |                      |                            | @                           |
|                         |                      | HANDLING                   | @ <u>1.05</u> <u>141.75</u> |
|                         |                      | MILEAGE <u>44/52/ mile</u> | <u>318.60</u>               |
|                         |                      |                            |                             |
|                         |                      | TOTAL                      | <u>1353.00</u>              |

|                       |   |
|-----------------------|---|
| REMARKS:              | SERVICE   |
| <u>50 SKS @ 1590'</u> | DEPTH OF JOB <u>1590'</u>                           |
| <u>50 SKS @ 690'</u>  | PUMP TRUCK CHARGE <u>560.00</u>                     |
| <u>10 SKS @ 40'</u>   | EXTRA FOOTAGE @                                     |
| <u>10 SKS in M.H.</u> | MILEAGE <u>59 miles</u> @ <u>2.85</u> <u>168.15</u> |
| <u>15 SKS in R.H.</u> | PLUG <u>85/B OH</u> @ <u>25.00</u>                  |
|                       | @   |
|                       | @   |
|                       | TOTAL <u>751.15</u>                                 |

CHARGE TO: Harris Oil + Gas  
 STREET 1125 17th # 2290  
 CITY Denver STATE Color ZIP 80202

FLOAT EQUIPMENT RELEASED

|              |   |
|--------------|---|
|              | @ |
|              | @ |
|              | @ |
| FROM COMPANY | @ |
|              | @ |

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Richard Stevenson RECEIVED STATE CORPORATION COMMISSION

APR 12 1999

CONSERVATION DIVISION  
Wichita, Kansas

PRINTED NAME

Y9100

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.





JOB LOG 4239-5

TICKET # 419 **ORIGINAL** 99  
 BDA / STATE KS  
 COUNTY MORTON  
 PSL DEPARTMENT ZONAL ISOLATION  
 CUSTOMER REP / PHONE  
 API / UWI # KCC  
 JOB PURPOSE CODE 610  
 APR 08 1999  
 COMMERCIAL

REGION North America  
 NW/COUNTRY MEXICO  
 EMPLOYEE NAME  
 COMPANY HARRIS OIL & GAS  
 WELL TYPE 02  
 DEPARTMENT CEMENT  
 SEC / TWP / RANG 20 - 32 S - 40 W

MBU ID / EMP # 10104-62573-105848  
 LOCATION LIBERAL KS  
 TICKET AMOUNT \$4819.60  
 WELL LOCATION N ROLLA  
 LEASE / WELL # MUSGROVE - I 270

| HES EMP NAME/EMP#(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) HRS |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| J. ... 62573 9                        | 105848                                |                                       |                                       |
| S. ENGL J0482 9                       | 106098                                |                                       |                                       |
| R. ANDERSON C8213 9                   | 105915                                |                                       |                                       |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS |   | PRESS. (psi) |     | JOB DESCRIPTION / REMARKS  |
|-----------|------|------------|-------------------|-------|---|--------------|-----|--|
|           |      |            |                   | T     | C | Tbg          | Csg |  |
|           | 1330 |            |                   |       |   |              |     | JOB READY  |
|           | 1730 |            |                   |       |   |              |     | CALLED OUT FOR JOB   |
|           | 2100 |            |                   |       |   |              |     | PUMP TRUCK ON LOCATION / HAVE PRE-JOB SITE ASSESSMENT MEETING / RIG STILL DRILLING |
|           | 1945 |            |                   |       |   |              |     | SPOT EQUIPMENT / RIG UP  |
|           | 2315 |            |                   |       |   |              |     | RIG THROUGH DRILLING / ON BOTTOM CIRCULATING TRIP OUT DRILL PIPE                   |
|           | 2030 |            |                   |       |   |              |     | START RUNNING 3/8 CSC & FLT EQUIPMENT CASING ON BOTTOM (621')                      |
|           | 0419 |            |                   |       |   |              |     | HOOK UP 8 1/2" P/C & CIRCULATING IRON  |
|           | 0425 |            |                   |       |   |              |     | START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK        |
|           |      |            |                   |       |   |              |     | JOB PROCEEDURE   |
|           | 0441 |            |                   |       |   | 2500         |     | PRESSURE TEST PUMP & LINES   |
|           | 0445 | 6.0        | 75                |       |   | 150          |     | START MIXING LEAD CMT AT 16.1 g/gal  |
|           | 0456 | 6.0        | 24                |       |   |              |     | MIX TAIL CMT AT 14.8 g/gal   |
|           | 0501 |            |                   |       |   | 0            |     | THROUGH MIXING CMT / SHUT DOWN   |
|           | 0502 | 5.0        |                   |       |   |              |     | RELEASE TOP PLUG / START DISPLACING  |
|           |      |            |                   |       |   | 187          |     | HAVE 20 BBLs OUT / HAVE CMT RETURNS TO SURFACE                                     |
|           | 0515 |            | 91                |       |   | 150          |     | PLUG DOWN / RELEASE FLOAT FLAM HALL  |
|           |      |            |                   |       |   |              |     | CIRCULATED (20 BBL 34 SKS TO PIT)  |
|           |      |            |                   |       |   |              |     | THANK YOU FOR CALLING HALLIBURTON  |
|           |      |            |                   |       |   |              |     | WOODY F. CRAND   |

START REC INVER  
 DIVISION  
 APR 12  
 DIVISION  
 KANSAS