

ORIGINAL

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

API NO. 15- 093-21,407-0000

County Kearny Co., KS

- - - - N W Sec. 34 Twp. 24S Rge. 38 XXW <sup>E</sup>

1320 Feet from S(N) (circle one) Line of Section

1320 Feet from E(W) (circle one) Line of Section

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

Lease Name Smalley Well # 4-34

Field Name Hugoton

Producing Formation None - shut-in

Elevation: Ground 3202' KB 3207'

Total Depth 3000' PBDT 2997'

Amount of Surface Pipe Set and Cemented at 641.55 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 ALT 1 87 1-22-97  
(Data must be collected from the Reserve Pft)

Chloride content 12-9-96 ppm Fluid volume        bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:       

Operator Name       

Lease Name        License No.       

       Quarter        Sec.        Twp.        S Rng.        E/W

County        Docket No.       

Operator: License # 5062

Name: George R. Shaw

Address 150 N. Main, Suite 1001

City/State/Zip Wichita, KS 67202

Purchaser: N/A

Operator Contact Person: George R. Shaw

Phone (316) 267-0382

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: William Shepherd

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/Reentry: Old Well Info as follows:

Operator: N/A

Well Name:       

Comp. Date        Old Total Depth       

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

11/26/94 11/30/94  
Spud Date Date Reached TD Completion Date

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 office manager Date 12/6/96

Subscribed and sworn to before me this 6th day of December, 19 96.

Notary Public [Signature]

Date Commission Expires       



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

Operator Name George R. Shaw Lease Name Smalley Well # 4-34

Sec. 34 Twp. 24S Rge. 38  East  West  
 County Kearny County, Kansas

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.)

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 B/Stone Corral +1266  
 T/Winfield +712

List All E.Logs Run:

Dual Induction  
 Borehole Compensated Sonic  
 Compensated Neutron-Litho-Density  
 Neutron C.C.L.

| CASING RECORD <input checked="" type="checkbox"/> New <input 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   | 12 1/4"           | 8 5/8"                    | 23#             | 641.55        | Lite                | 100<br>250   | Common<br>3%cc, 1/2# floeal |
| Production  | 7 7/8"            | 5 1/2"                    | 15 1/2#         | 2997.00       | Halliburton<br>Lite | 400          |                             |
|   |                   |                           |                 |               | Common              | 175          | 3%cc                        |

| ADDITIONAL CEMENTING/SQUEEZE RECORD     |                  |                |             |                            |
|---|------------------|----------------|-------------|----------------------------|
| Purpose:                                | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate      |                  |                |             |                            |
| <input type="checkbox"/> Protect Casing |                  |                |             |                            |
| <input type="checkbox"/> Plug Back TD   |                  |                |             |                            |
| <input type="checkbox"/> Plug Off Zone  |                  |                |             |                            |

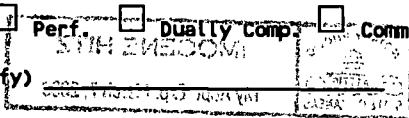
| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated |  | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) Depth |  |
|----------------|---|--|---|--|
|                |   |  |   |  |
|                |   |  |   |  |
|                |   |  |   |  |
|                |   |  |   |  |

| 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.<br><u>shut-in</u> |           | 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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval



., Russell, KS  
8861, Great Bend, KS

Phone 913-625-5516, Hays, KS  
Phone 913-672-3471, Oakley, KS

15-093-21407-0000  
Phone 316-886-5926, Medicine Lodge, KS  
Phone 913-798-3843, Ness City, KS

# ALLIED CEMENTING CO., INC.

7880

Home Office P. O. Box 31

Russell, Kansas 67665

**ORIGINAL**

|            |                       |          |      |          |                  |       |    |            |         |             |         |           |  |        |         |
|------------|-----------------------|----------|------|----------|------------------|-------|----|------------|---------|-------------|---------|-----------|--|--------|---------|
| Date       | 11-27-94              | Sec.     | 34   | Twp.     | 24               | Range | 38 | Called Out |         | On Location | 1:00 AM | Job Start |  | Finish | 6:00 AM |
| Lease      | Smalley               | Well No. | 4-34 | Location | Lakin 12W-15-E-S |       |    | County     | Kearney | State       | Kan     |           |  |        |         |
| Contractor | Abercrombie R.T.D. #4 |          |      | Owner    | Same             |       |    |            |         |             |         |           |  |        |         |

|                     |         |            |        |
|---------------------|---------|------------|--------|
| Type Job            | Surface |            |        |
| Hole Size           | 12 1/4  | T.D.       | 643'   |
| Csg.                | 8 5/8   | Depth      | 641'   |
| Tbg. Size           |         | Depth      |        |
| Drill Pipe          |         | Depth      |        |
| Tool                |         | Depth      |        |
| Cement Left in Csg. | 42.45'  | Shoe Joint | 42.45' |
| Press Max.          |         | Minimum    |        |
| Meas Line           |         | Displace   | 39 1/2 |
| Perf.               |         |            |        |

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 listed.

|   |                         |       |           |
|---|-------------------------|-------|-----------|
| Charge To   | George R. Shaw          |       |           |
| Street  | 150 N. Main, Suite 1001 |       |           |
| City  | Wichita                 | State | Kan 67202 |
| The above was done to satisfaction and supervision of owners agent or contractor. |                         |       |           |

|                    |              |
|--------------------|--------------|
| Purchase Order No. |              |
| X                  | Harry Fisher |

**CEMENT**

|                  |   |       |          |
|------------------|---|-------|----------|
| Amount Ordered   | 100 SKS COM, 3% ACC, 250 SKS Lite, 3% ACC |       |          |
| Consisting of    | 44 lbs Flt                                |       |          |
| Common           | 100 SKS @                                 | 6 85  | 685 00   |
| Pumpmix Lite     | 250 SKS @                                 | 5 85  | 1,462 50 |
| Gel.             |   |       |          |
| Chloride         | 11 SKS @                                  | 25 00 | 275 00   |
| Quikset Flo-Sect | 6.3 @                                     | 1 10  | 69 30    |

**EQUIPMENT**

|         |     |          |       |
|---------|-----|----------|-------|
| Pumptrk | No. | Cementer | Walt  |
|         | 191 | Helper   | Wayne |
| Pumptrk | No. | Cementer |       |
|         |     | Helper   |       |
| Bulktrk |     | Driver   | Terry |
|         | 212 | Driver   | Dean  |
| Bulktrk | 218 |          |       |

|          |                |          |
|----------|----------------|----------|
| Handling | 1 00 per SK    | 350 00   |
| Mileage  | 4¢ per SK/mile | 602 00   |
|          | 43 miles       |          |
|          | Sub Total      | 3,443 80 |
|          | Total          |          |

|              |                   |        |
|--------------|-------------------|--------|
| DEPTH of Job |                   |        |
| Reference:   | Pumptruck         | 430 00 |
|              | 8 5/8 Wooden Plug | 42 00  |
|              | 2 25 per mile     | 132 99 |
|              | 39¢ per FT @ 300' | 96 75  |
|              | Sub Total         | 701 74 |
|              | Tax               |        |
|              | Total             | 701 74 |

Floating Equipment 8 5/8  
1- Baffle Plate - 105 00  
~~2- Baffle Plates~~

rest did circ

Thank You

12-2-1996

OUR BUSINESS IS OF

RECEIVED BY:

TOTAL DUE \$ 5778.17



**JOB SUMMARY**

HALLIBURTON DIVISION Mid Cont  
 HALLIBURTON LOCATION Lamar, Co

BILLED ON TICKET NO. 774456

**WELL DATA**

FIELD \_\_\_\_\_ SEC 34 TWP. 24 RNG. 38 COUNTY KEARNEY STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

|              | NEW USED | WEIGHT | SIZE  | FROM | TO   | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING       | N        | 15.5   | 5 1/2 | 6L   | 3000 |                       |
| LINER        |          |        |       |      |      |                       |
| TUBING       |          |        |       |      |      |                       |
| OPEN HOLE    |          |        | 7 7/8 | 6L   | 3000 | SHOTS/FT.             |
| PERFORATIONS |          |        |       |      |      |                       |
| PERFORATIONS |          |        |       |      |      |                       |
| PERFORATIONS |          |        |       |      |      |                       |

**ORIGINAL**

**JOB DATA**

**TOOLS AND ACCESSORIES**

| TYPE AND SIZE            | QTY. | MAKE  |
|--------------------------|------|-------|
| FLOAT COLLAR             |      |       |
| INSERT WELL              | 1    | Howco |
| GUIDE SHOE               | 1    | Howco |
| CENTRALIZERS             | 12   | Howco |
| BOTTOM PLUG              |      |       |
| TOP PLUG                 | SW   | Howco |
| HEAD                     | 1    | Howco |
| PACKER                   |      |       |
| OTHER <u>Thread Lock</u> | 1    | Howco |

| CALLED OUT                                | ON LOCATION                               | JOB STARTED                               | JOB COMPLETED                             |
|---|---|---|---|
| DATE <u>11-29-91</u><br>TIME <u>13:00</u> | DATE <u>11-29-91</u><br>TIME <u>16:30</u> | DATE <u>11-29-91</u><br>TIME <u>19:00</u> | DATE <u>11-29-91</u><br>TIME <u>20:30</u> |

**PERSONNEL AND SERVICE UNITS**

| NAME                            | UNIT NO. & TYPE | LOCATION |
|---------------------------------|-----------------|----------|
| <u>RON VAN BUSKIRK</u><br>55609 | 40084           | LAMAR    |
| <u>RANDY PALMER</u><br>86702    | 52625           |          |
| <u>DAVE MCINTYRE</u><br>B3085   | 4149            |          |
| <u>GALE KINISTON</u><br>F4880   | 4037            |          |

D-9-1994

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 FRIC RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT Cement  
 DESCRIPTION OF JOB CMT 5 1/2 Long String

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X [Signature]  
 HALLIBURTON OPERATOR RON VAN BUSKIRK COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

| STAGE | NUMBER OF SACKS | CEMENT    | BRAND | BULK SACKED | ADDITIVES  | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|-----------|-------|-------------|--|------------------|-----------------|
| 1     | 400             | HLC       | H     | B           | 1/4# H <sub>2</sub> O Floccie  | 1.84             | 12.7            |
| 1     | 175             | Expanding | H     | B           | 7# EA-2 15% Salt 6/10 1/2 Halad 322<br>1/4# H <sub>2</sub> O Floccie | 1.36             | 15.6            |

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. 500 TYPE Mud Flocc  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 71.4  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY \_\_\_\_\_ 131 + 42 = 173  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

**REMARKS**

CMT C/C

CUSTOMER

LEASE

WELL NO

JOB TYPE

DATE