



# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

## Date November 29, 1983 Operator's A-993 Well No. A-993 Farm Swiger API No. 47 - 017 - 3034

# OIL and GAS DIVISION WELL OPERATOR'S REPORT

| WELL OPERA   | TOR'S REPORT         | 100 mm 1       |             | MOV 3 0   |  |
|--|----------------------|----------------|-------------|---|--|
|  | TIMITATING.          | OR PHYSICAL    | CHANGE      | 0!L & GAS [   | NISIO.   |
| WELL TYPE: OIL / GAS X / LIQUID INJECTION (If "Gas", Production / Undergro |                      |                |             |   |  |
| LOCATION: Elevation: 835' District: McClellan Cour                         | Water                | :shed          | Sycamore    | Fork  | sh   |
| LOCATION: Elevation: 835 District: McClellan Cour                          | ty: Doddrid          | ige Qua        | drangle:_   | Folsom 7.5  | new transfer of the same of th |
|  |                      |                |             |   |  |
|  |                      |                |             |   |  |
| COMPANY ALAMCO, Inc.   |                      |                |             |   |  |
| 200 West Main Street   |                      | Used in        | T-64 1      | Cement  |  |
| ADDRESS Clarksburg, West Virginia 26301                                    | Casing               | Usea in        | TELL        | fill up   |  |
|  | &<br>Tubing          | Drilling       | in Well     |   |  |
| DESIGNATED AGENT ALAMCO, Inc. 200 West Main Street                         | Size                 |                |             |   |  |
| ADDRESS Clarksburg, West Virginia 26301                                    | 1                    |                |             | 1   |  |
|  | Cond.                |                |             |   | _  |
| SURFACE OWNER Dallas C. Swiger   | 22.20                |                |             |   |  |
|  | 13-10"               |                |             |   |  |
| ADDRESS Rt 2 Salem, W. Va.   | 9 5/8*               |                |             |   |  |
| MINERAL RIGHTS OWNER same as above   |                      |                |             |   |  |
| MINERAL RIGHTS CHARLE  | 8 5/8                | 1326'          | 1326'       | to surfac   | <u>-</u>   |
| ADDRESS  |                      |                |             | Negation of the second of the |  |
|  | 7.                   |                |             |   |  |
| OIL AND GAS INSPECTOR FOR THIS WORK Stephen                                | 5 1/2"               |                |             |   |  |
| Casey ADDRESS Rt 2 Box 232-D, Jane Lew                                     | 2 2/2                |                |             | w/250 sks   | 5.   |
| Casey Appress RC 2 box 252 57 Gents  | 4 1/2"               | 2691'          | 2691'       | 1550'   |  |
| PERMIT ISSUED July 27, 1981  |                      |                |             |   |  |
|  | 3                    |                |             |   |  |
| DRILLING COMMENCED August 19,1981  | 2                    | <b>1</b>       |             |   |  |
| DRILLING COMPLETED August 26, 1981   |                      |                |             |   |  |
| DRILLING COMPLETED Address 237 2372  |                      | ,              |             |   |  |
| IF APPLICABLE: PLUGGING OF DRY HOLE ON                                     | Liners               |                |             |   |  |
| CONTINUOUS PROGRESSION FROM DRILLING OR                                    | used                 |                |             |   |  |
| reworking. Verbal permission obtained                                      |                      |                |             |   |  |
| ON   |                      |                |             |   |  |
| GEOLOGICAL TARGET FORMAION Fifth   |                      | DEPTH          | 3500        |   | FEET   |
|  |                      |                |             | _   |  |
| Depth of completed well 2755   | feet Rota            | ry <u>xx</u> / | Cable       | Tools   | <i></i>  |
| in him the deaths Frank 55!  |                      |                | reer        | 2276  |  |
| Coal seam depth: 1300-1326   |                      | _Is coal be    | ing mined   | in this a   | :ea?   |
| April 1278 C 1276 C 12 27 April 1277                                       |                      |                |             |   |  |
| This Docord  | i Fourth             | Pay zon        | e depth_(   | see back)   | feet   |
|  | <i>14</i> 98 (79.86) | CONTRACTOR     |             |   |  |
| Gas: Initial open flow none Mcf.  Final open flow 198 Mcf.                 | /a                   | Final open     | flow        |   | Bbl/d  |
| Time of open flow between  | n initial and        | i final test   | .s 8        | hours   |  |
| Static rock pressure 50 psig ( surf  | ace measurem         | ent after      | 4 l         | ours shut-  | Ĺn   |
| Static rock pressure ou pany static  | rimel                |                |             |   |  |
| (If applicable due to multiple completed Second producing formaiton        |                      | Pau 2          | one doeth   | 1   | feet   |
|  |                      | IIII LIAI C    |             |   | Bbl/d  |
| Second producing formation   | /8                   | Final oner     | flow        |   | Bbl/d  |
| Final open flow between  |                      |                |             |   |  |
| Time of open flow between  | American and         | t) after       | hair        | s shut-in   |  |
| Static rock pressure psig (surfac  | e neasuraien         | /mn+i          | TIME OF YOU | verse side)   |  |
|  |                      | الانتانكا      |             |   |  |

FORM IV-35 (REVERSE)

said in The

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE ETC.

Well was fractured September 11, 1981 Perforations: 1792 - 1800 B. Injun

1846 - 1852 1858 - 1866 Pocono

2562 - 2568 Fourth

WELL LOG

| FORMATION COLOR HARD OR SOFT   | TOP FEET   | BOTTOM FEET  | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|--|--|--|---|
| Fill Sand Shale Lime Shale Lime Sand & Shale Red Rock Sand & Shale Salt Sand Sand & Shale Coal Sand & Shale L. Lime B. Lime Sand & Shale Sand Shale | 0<br>40<br>165<br>170<br>190<br>195<br>210<br>710<br>750<br>1024<br>1200<br>1300<br>1326<br>1675<br>1718<br>1860<br>2040<br>2040<br>2060<br>2080<br>2276<br>2300 | 40<br>165<br>170<br>190<br>195<br>210<br>710<br>750<br>1024<br>1200<br>1300<br>1326<br>1675<br>1718<br>1860<br>2040<br>2060<br>2080<br>2276<br>2300<br>2755 T.D. | Water @ 55°<br>Gas @ 1870' show   |
|  |  | ター (17)。<br>(4)。<br>(2)。<br>(4)。   |   |
|  |  | A A  |   |

(Attach separate sheets as necessary)

|        | ALAMCO, Inc.                  |        |
|--------|-------------------------------|--------|
| Well   | Operator                      |        |
| Bv:    | Carmond Pour                  |        |
|        | Vice President Oil & Gas Oper | ations |
| Date:_ | November 29, 1983             |        |

Note: Regulation 2.02 (i) provides as follows
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

(Obverse)

(08-78)

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL and GAS DIVISION

| DATE       | June l | Ο, | 1981 |
|------------|--------|----|------|
|            |        |    |      |
| Operator's |        |    |      |
| Well No.   | A-993  |    |      |

OIL and GAS WELL PERMITOR & GAS SEVEREN API Well NO. 47

3034

The second secon

- 017 Permit State County

| WELL TYPE: 011/ G  | sXXX_/                       |   |  |
|--|------------------------------|---|--|
|  | on / Underground             | storage                                     | / Deep/ ShallowXXX /)  |
| LOCATION: Elevation: 835   |                              | : Sycamore Fo                               | ork  |
|  |                              | Doddridge                                   | Quadrangle: Folsom 7.51  |
|  | dinoral Company              | DESIGNATED AC                               | GENT Allegheny Land & Mineral Company  |
| WELL OPERATOR Allegheny Land and   | officer at company           |   | P. O. Drawer 1740  |
| Address P. O. Drawer 1740  | -ainia 26301                 | •   | Clarksburg, West Virginia 26301  |
| Clarksburg, West Vi  | rgilla 2000.                 |   |  |
| OIL & GAS  |                              | COAL OPERATO                                | R None   |
| ROYALTY OWNER Dallas C. Swiger   |                              | Address                                     |  |
| Address Route 2  Salem, West Virgini   | 2 26426                      |   |  |
|  |                              | COAL OWNER(S                                | ) WITH DECLARATION ON RECORD:  |
|  |                              |   | W. G. Tetrick, Jr., etal   |
| SURFACE OWNER Dallas C. Swiger   |                              |   | s c/o Union Nat'l Bank, Trustee  |
| Address Route 2 Salem, West Virgin   | ia 26426                     |   | Clarksburg, West Virginia 26301  |
| graph to the property of the contract of the c |                              | Name  | Consolidation Coal Company   |
| Acreage 75.75  FIELD SALE (IF MADE) TO: Consoli  | tated Gas Supply             | Address                                     | s P. O. Box 266  |
| Address 445 West Main Stree  |                              |   | Bluefield, West Virginia 24701   |
| Clarksburg, West Vi  |                              | COAL LESSEE                                 | WITH DECLARATION ON RECORD:  |
| OIL AND GAS INSPECTION TO BE NOT   |                              | Name  | None   |
| Name Stephen Casey   |                              | Addres                                      | s  |
| Address Route 2, Box 232-E   |                              |   |  |
| land law West Vir  | ginia 26378                  |   |  |
| The understaned well operator  | is entitled to operate f     | or oil or gas p<br>5, 1960_, to             | ourposes as the above location under a deed the undersigned well operator from                     |
| Delphia M. Swiger, etal  |                              |   | en e   |
| Il led less or other   | contract has been recorded   | :)  |  |
| Recorded on December 19, 196   | ) , in the office of the $0$ | lerk of the Cou                             | unty Commission of <u>Doddridge</u> County, West   |
| Virginia in Lease Book 67  | at page <u>69</u> . A per    | mit is requeste                             | ed as follows:   |
| PROPOSED WORK: Drill XXX / D   | rill deeper/ Redrill         | / Fracture                                  | or stimulate/  |
| Plug off old   | formation/ Perforate         | new formation_                              |  |
| Other physica  | l change in well (specify    |   |  |
| The above named coal operato   | by Code §22-4-3 must be      | the reverse sidently and the filed with the | de hereof. reby notified that any objection they wish Department of Mines within fifteen (15) days |
| after the receipt of this Appli  | cation by the Department.    | at and reclamat                             | ion plan have beenmailed by registered mail  |
| Copies of this Permit Applic   | ation and the enclosed pi    | a i anu i eciana i                          | to first the day of the  |

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO

WEST VIRGINIA OIL AND GAS CONVERSATION COMMISSION 1615 WASHINGTON STREET, EAST CHARLESTON, WV 25311

Telephone (304) 348-3092

ALLEGHENY LAND AND MINERAL COMPANY

BLANKET BOND

or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the

mailing or delivery of this Permit Application to the Department of Mines at Charleston, West(Virginia.

Vice President Daniel L. Wheeler, P. O. Drawer 1740

Clarksburg, West Virginia 26301

### PROPOSED WORK ORDER

### THIS IS AN ESTIMATE ONLY:

| ORILLING CONTR   | RACTOR (   | IF KNOWN   | l) Union   | n-:   |  |   |  |  |  |  |
|--|--|--|--|---|--|---|--|--|--|--|
| •  |  |  | 17 011101  | 1 Uri   | Iling L  | company, Inc.   |  |  |  |  |
|  |  |  | P. 0.  | . Dra   | wer 174  | 10  |  |  |  |  |
|  |  |  | Buckh  | anno  | n, West  | t Virginia 2  | 16201  |  |  |  |
| SEOLOGICAL TAR   | RGET FORM  | MATION,  | Fifth  | San   | d  |   |  | Alberta State Comment  |  |  |
|  |  |  |  | <del></del>   |  | feet Rotar  |  | Cable tools  | /  |  |
| Approxima  |  |  |  |   |  |   |  | feet.  | - 1 ×  |  |
|  |  |  |  |   |  |   |  | area? Yes /  | No XXX /   |  |
| CASING AND TUE   |  |  | ,p.1110 • <u>11</u>  | 70 73   |  | 5 50G1 50111g 11  |  | 7  | 70 700   |  |
| 7.01.10 7.10   | 31110 11100  | 51(74-1  |  |   |  | *   |  |  |  | Single March   |
| · ·  | 1  | CDECLE   | CATIONS  |   | 11   | FOOTAGE   | INTERVALE  | CEMENT FILL-UP   | PACKERS  | The state of the s |
| CASING OR  | Control Control  | JI LOTT  | Weight   |   |  | 1001/02   | INICKAVE   | or SACKS   | I PACKERS  |  |
| TUBING TYPE  | Size   | Grade  | , -  | 6 9   | Used   | For Drilling  | Left in well   |  | 1.2.2.1  |  |
| ·  |  |  |  |   |  | Y   |  |  | Kinds  |  |
| Conductor  | 16"  |  |  |   | X  | 201   | 201  | cement to surface  | <del></del>  |  |
| resh Water   | 8-5/8"   | , <u>i </u>  |  |   |  |   |  |  | Sizes  |  |
| Coal   | 8-5/8"   |  | 20#  | X   |  | 1008  | 8001   | cement to surface  | † <del>† • • • • • • • • • • • • • • • • • •</del>   |  |
| ntermediate  | 1 1 10   |  | <del>                                     </del>   | <u>,                                   </u>                     |  |   |  | 7001   | Depths set   | •  |
| Production   | 4-1/2"   |  | J-55<br>10.50#   | X   |  | 35001   | 35001  | cement to 300 abo  |  | rizon or   |
| Tubing   |  |  | 10.007   | +-+   |  | 2,000   | <u> </u>   | required by Rule   | Perforations:  | ······································   |
| iners  |  |  |  | $\vdash$  |  |   |  |  | Top  | Botto  |
|  |  |  |  |   |  | walling .   |  |  |  |  |
|  | 1  |  |  |   |  |   |  |  |  |  |
| by (<br>by (<br>wate   | owed by<br>Code §22<br>Code §22-<br>er well o  | Code §2:<br>-4-12b :<br>-4-12a,<br>or dwell  | 2-4-2, (<br>and Regu<br>and (v)<br>ling with   | lii)<br>latio<br>if a<br>nin 2                                  | presc<br>Form lon 23,<br>applicat  | ribed by Regulv-9 "Reclamat<br>(iv) unless pole, the conse<br>t of the propo  | ulation 12, of<br>tion Plan", a<br>previously pa<br>ent required<br>psed well.   | the form prescribe or in lieu thereof applicable to the raid on the same well by Code §22-4-8a fr  | the other secureciamation required in the fee requirem the owner of  | ity<br>ired<br>ired<br>any   |
| by (<br>by (<br>wate<br>A se<br>stin   | owed by<br>Code §22<br>Code §22-<br>er well o<br>eparate<br>mulating   | Code §2:<br>-4-12b :<br>-4-12a,<br>or dwell<br>Form Iv-<br>is to b   | 2-4-2, ( and Regu and (v) ling with -2 shall be part o   | lii)<br>lation if a nin 2 not of th                             | r presc<br>Form I<br>on 23,<br>applicat<br>00 fee<br>be rec<br>ne work   | ribed by Regulv-9 "Reclamat<br>(iv) unless pole, the conse<br>t of the propo  | ulation 12, of tion Planm, a previously parent required posed well.  | or in lieu thereof<br>applicable to the r<br>aid on the same wel   | the other secureciamation required the fee requirement of the owner of the where fracturing  | rity<br>ired<br>ired<br>any  |
| by (<br>by (<br>wate<br>A se<br>stin   | owed by<br>Code §22<br>Code §22-<br>er well o  | Code §2:<br>-4-12b :<br>-4-12a,<br>or dwell<br>Form Iv-<br>is to b   | 2-4-2, ( and Regu and (v) ling with -2 shall be part o   | lii)<br>lation if a nin 2 not of th                             | r presc<br>Form I<br>on 23,<br>applicat<br>00 fee<br>be rec<br>ne work   | ribed by Regulv-9 "Reclamat<br>(iv) unless pole, the conse<br>t of the propo  | ulation 12, of tion Planm, a previously parent required posed well.  | or in lieu thereof applicable to the relid on the same well by Code §22-4-8a from the stimulating a well   | the other secureciamation required the fee requirement of the owner of the where fracturing  | rity<br>ired<br>ired<br>any  |
| by (<br>by (<br>wate<br>A se<br>stin   | owed by<br>Code §22<br>Code §22-<br>er well o<br>eparate<br>mulating   | Code §2:<br>-4-12b :<br>-4-12a,<br>or dwell<br>Form Iv-<br>is to b   | 2-4-2, ( and Regu and (v) ling with -2 shall be part o   | lii)<br>lation if a nin 2 not of th                             | r presc<br>Form I<br>on 23,<br>applicat<br>00 fee<br>be rec<br>ne work   | ribed by Regulv-9 "Reclamat<br>(iv) unless pole, the conse<br>t of the propo  | ulation 12, of tion Planm, a previously parent required posed well.  | or in lieu thereof applicable to the relid on the same well by Code §22-4-8a from the stimulating a well   | the other secureciamation required the fee requirement of the owner of the where fracturing  | ired<br>ired<br>any  |
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Deputy Director - Oil & Gas Division