



1) Date: Oct. 13, 19 83  
 2) Operator's Well No. A-1448 (McMullan)  
 3) API Well No. 47 - 083 - 0834  
 State County Permit

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XX / Gas XX /  
 B (If "Gas", Production XX / Underground storage XX / Deep XX / Shallow XX /)
- 5) LOCATION: Elevation: 2940' Watershed: Birch Fork  
 District: Middle Fork County: Randolph Quadrangle: Adolph 7.5'
- 6) WELL OPERATOR Alamco, Inc. 7) DESIGNATED AGENT D. L. Wheeler  
 Address P. O. Box 1740 Address P. O. Box 1740  
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Phil Tracy Name Development Drilling Corpn.  
 Address General Delivery Address P. O. Box 1740  
Ellamore, WV 26267 Clarksburg, WV 26301
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper XX / Redrill XX / Stimulate XX  
 Plug off old formation XX / Perforate new formation XX  
 Other physical change in well (specify) XX
- 11) GEOLOGICAL TARGET FORMATION, Elk
- 12) Estimated depth of completed well, 5050' feet
- 13) Approximate trata depths: Fresh, 312 feet; salt, -- feet.
- 14) Approximate coal seam depths: 619 - 622 Is coal being mined in the area? Yes XX
- 15) CASING AND TUBING PROGRAM

RECEIVED  
 OCT 20 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINE

| CASING OR TUBING TYPE | SPECIFICATIONS |       |                |     |      | FOOTAGE INTERVALS |              | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS                     |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|--------------------------------------|-----------------------------|
|                       | Size           | Grade | Weight per ft. | New | Used | For drilling      | Left in well |                                      |                             |
| Conductor             | 16"            |       |                |     | X    | 20'               | 20'          | Cement to surface                    |                             |
| Fresh water           |                |       |                |     |      |                   |              |                                      |                             |
| Coal                  | 8-5/8"         |       | 20#            | X   |      | 1100'             | 1100'        | Cement to surface                    | By Rule 15.05               |
| Intermediate          |                |       | J. 55          |     |      |                   |              |                                      |                             |
| Production            | 4-1/2"         |       | 10.50#         | X   |      | 5050'             | 5050'        | Required by Rule 15.01               |                             |
| Tubing                |                |       |                |     |      |                   |              |                                      |                             |
| Liners                |                |       |                |     |      |                   |              |                                      | Perforations:<br>Top Bottom |

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-083-0834

Date November 7, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires November 7, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

|                    |                    |                    |                    |              |
|--------------------|--------------------|--------------------|--------------------|--------------|
| Bond:              | Agent:             | Plat:              | Casing:            | Fee:         |
| <b>LANKET BOND</b> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <u>24825</u> |

*[Signature: Michael Lewis]*  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File



STATE OF WEST VIRGINIA

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: B (L) Gas, Production  
Elevation: 2240'  
District: Middle Fork  
County: Randolph  
Washed: Birch Fork

2) WELL OPERATOR: Alamo, Inc.  
Address: P.O. Box 1740  
Charleston, WV 26301

3) OIL & GAS INSPECTOR TO BE NOTIFIED:  
Name: Paul Tracy  
Address: General Delivery  
Martinsburg, WV 26157

4) DRILLING CONTRACTOR:  
Name: Developers Drilling Corp.  
Address: P.O. Box 1740  
Charleston, WV 26301

5) DESIGNATED AGENT: D. J. Wheeler  
Address: P.O. Box 1740  
Charleston, WV 26301

6) PROPOSED WELL WORK:  
Type: A Drill - deep  
Other physical change in well (specify):  
Plug off old formation, A portion new formation

7) GEOLOGICAL LABEL FORMATION:  
12) Estimated depth of completed well: 3050'  
13) Approximate true depth: Fresh: 312'  
14) Approximate coal seam depths: 619' - 622'

15) CASING AND TUBING PROGRAM:  
16) Approximate coal seam depths: 619' - 622'

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

|                                    | Date | Date(s) |
|------------------------------------|------|---------|
| Application received               |      |         |
| Well work started                  |      |         |
| Completion of the drilling process |      |         |
| Well Record received               |      |         |
| Reclamation completed              |      |         |

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_

|                  |                  |
|------------------|------------------|
| Permit No.       | 47-083-0834      |
| Permit Expires   | November 7, 1985 |
| Permit Holder    | Alamo, Inc.      |
| Permit Agent     | Paul Tracy       |
| Permit Inspector | Paul Tracy       |

MARKET BORN

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File



Form IV-9  
[Rev 8-81]



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date Oct. 12, 1983  
Well No. A-1448  
API No. 47 - 083 - 0834  
State County Permit

CONSTRUCTION AND RECLAMATION PLAN

Company Name ALAMCO  
Address P. O. Box 1740  
Clarksburg, West Virginia  
Telephone 623-6671  
Landowner WESTVACO

Designated Agent Daniel L. Wheeler  
Address P. O. Box 1740  
Clarksburg, West Virginia  
Telephone 623-6671  
Soil Cons. District TYGART VALLEY

Revegetation to be carried out by ALAMCO (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections  
and additions become a part of this plan. 10-15-83 (Date) [Signature] (SCD Agent)



ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)  
Spacing Earthen  
Page Ref. Manual 2:12  
Structure CULVERTS (B)  
Spacing 16" I.D. (WHERE NEEDED)  
Page Ref. Manual 2:5  
Structure RIPRAP (C)  
Spacing ROCK  
Page Ref. Manual N/A

Structure DRAINAGE Ditch (1)  
Material Earthen OIL & GAS DIVISION  
Page Ref. Manual 2:12 DEPT. OF MIN  
Structure RIPRAP (2)  
Material ROCK  
Page Ref. Manual N/A  
Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

All structures should be inspected regularly and repaired if necessary. All commercial timber to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins.

REVEGETATION

TREATMENT AREA I

TREATMENT AREA II

Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Straw 2 Tons/acre  
Seed\* DOMESTIC RYEGRASS 10 lbs/acre  
KENTUCKY 31 40 lbs/acre  
BIRDSEED TREFOIL 10 lbs/acre

Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Straw 2 Tons/acre  
Seed\* KENTUCKY 31 40 lbs/acre  
DOMESTIC RYEGRASS 10 lbs/acre  
BIRDSEED TREFOIL 10 lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY Daniel L. Wheeler  
ADDRESS 200 West Main St.  
Clarksburg W. Va. 26301  
PHONE NO. 623-6671



1) Date: Oct. 13, 1983  
2) Operator's  
Well No. A-1448 (McMullan)  
3) API Well No. 47 083  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Westvaco  
Address 203 Randolph Avenue  
Elkins, WV 26241  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR None  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Harry McMullan  
Address O. Box 8  
Washington, N. C. 27889  
Name First Pa. National Bank  
Address Lower Center Square  
Philadelphia, PA 19127  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

RECEIVED  
OCT 20 1983

- 6) EXTRACTION RIGHTS  
Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 7) ROYALTY PROVISIONS  
Is the right to extract, produce or market the oil or gas based upon a lease or lease or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? ~~XXX~~ No

OIL & GAS DIVISION  
DEPT. OF MINES

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

WELL OPERATOR ALAMCO, INC.  
By [Signature]  
Its Vice President  
Address P. O. Drawer 1740  
Clarksburg, WV 26301  
Telephone 304-623-6671

Daniel L. Wheeler  
this 13 day of October, 19 83.  
My commission expires 2/14, 19 89.  
[Signature]  
Notary Public, Harrison County,  
State of West Virginia

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code §§ 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code §§ 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

|                                |                                |                  |               |               |
|--------------------------------|--------------------------------|------------------|---------------|---------------|
| _____<br>Grantor, lessor, etc. | _____<br>Grantee, lessee, etc. | _____<br>Royalty | _____<br>Book | _____<br>Page |
|--------------------------------|--------------------------------|------------------|---------------|---------------|

|                       |                    |     |     |     |
|-----------------------|--------------------|-----|-----|-----|
| Harry McMullan, et al | Columbia Gas Tran. | 1/8 | 284 | 408 |
|-----------------------|--------------------|-----|-----|-----|

Columbia unto Alamco, Inc. by virtue of a farmout agreement dated August 11, 1980 (not recorded).

ATTN: LAND DEPT.  
**P 349 335 631**  
**RECEIPT FOR CERTIFIED MAIL**

*Permit* NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 A-1448 (See Reverse)

|   |  |            |
|---|--|------------|
| SENT TO<br>Harris McMullan<br>STREET AND NO.<br>P. O. Box 8<br>Wilmington, NC 27889 |  | POSTAGE \$ |
| CERTIFIED FEE   |  |            |
| SPECIAL DELIVERY  |  |            |
| RESTRICTED DELIVERY   |  |            |
| SHOW TO WHOM AND DATE DELIVERED   |  |            |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY  |  |            |
| OPTIONAL SERVICES   |  |            |
| RETURN RECEIPT FOR POSTMASTER'S USE ONLY  |  |            |
| CONSULT POSTMASTER FOR FEES   |  |            |
| TOTAL POSTAGE AND FEES  |  | \$         |
| POSTMARK OR DATE  |  |            |

PS Form 3800, Apr. 1976



ATTN: LAND DEPT.  
**P 349 335 623**  
**RECEIPT FOR CERTIFIED MAIL**

*Permit* NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 A-1448 (See Reverse)

|  |  |            |
|--|--|------------|
| SENT TO<br>First Pennsylvania Nat'l Bank<br>Street and Center Square<br>Real Estate Department, 17th<br>Philadelphia, PA 19127 |  | POSTAGE \$ |
| CERTIFIED FEE  |  |            |
| SPECIAL DELIVERY   |  |            |
| RESTRICTED DELIVERY  |  |            |
| SHOW TO WHOM AND DATE DELIVERED  |  |            |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY   |  |            |
| OPTIONAL SERVICES  |  |            |
| RETURN RECEIPT FOR POSTMASTER'S USE ONLY   |  |            |
| CONSULT POSTMASTER FOR FEES  |  |            |
| TOTAL POSTAGE AND FEES   |  | \$         |
| POSTMARK OR DATE   |  |            |

PS Form 3800, Apr. 1976



**P 349 346 132**  
**RECEIPT FOR CERTIFIED MAIL**

*Permit* NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 A-1448 (See Reverse)

|  |  |            |
|--|--|------------|
| SENT TO<br>Westyaco<br>203 Randolph Avenue<br>Elkins, W. Va. and zip 26241 |  | POSTAGE \$ |
| CERTIFIED FEE  |  |            |
| SPECIAL DELIVERY   |  |            |
| RESTRICTED DELIVERY  |  |            |
| SHOW TO WHOM AND DATE DELIVERED  |  |            |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY                                 |  |            |
| OPTIONAL SERVICES  |  |            |
| RETURN RECEIPT FOR POSTMASTER'S USE ONLY                                   |  |            |
| CONSULT POSTMASTER FOR FEES  |  |            |
| TOTAL POSTAGE AND FEES   |  | \$         |
| POSTMARK OR DATE   |  |            |

PS Form 3800, Apr. 1976



**RECEIVED**

OCT 20 1983

OIL & GAS DIVISION  
 DEPT. OF MINES

**RECEIVED**  
FEB 21 1984



Date February 15, 1984  
Operator's  
Well No. A-1448  
Farm McMullan  
API No. 47 - 083 - 0834

STATE OF WEST VIRGINIA  
OIL & GAS DIVISION DEPARTMENT OF MINES  
**DEPT. OF MINES OIL and GAS DIVISION**

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: OIL / GAS X / LIQUID INJECTION / WASTE DISPOSAL /  
(If "Gas", Production / Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 2940' Watershed Birch Fork  
District: Middle Fork County: Randolph Quadrangle: Adolph 7.5'

COMPANY ALAMCO, INC  
200 West Main Street  
ADDRESS Clarksburg, West Virginia 26301

DESIGNATED AGENT ALAMCO, INC  
200 West Main Street  
ADDRESS Clarksburg, West Virginia 26301

SURFACE OWNER Westvaco  
ADDRESS 203 Randolph St., Elkins, WV

MINERAL RIGHTS OWNER Neva McMullan  
ADDRESS P.O. Box 8, Washington, NC 27889

OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy  
ADDRESS Gen. Dely., Ellamore, WV 26267

PERMIT ISSUED November 7, 1983

DRILLING COMMENCED December 5, 1983

DRILLING COMPLETED December 13, 1983

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON \_\_\_\_\_

| Casing & Tubing Size Cond. | Used in Drilling | Left in Well | Cement fill up Cu. Ft. |
|----------------------------|------------------|--------------|------------------------|
| 20-16                      |                  |              |                        |
| 13-10"                     |                  |              |                        |
| 9 5/8"                     |                  |              |                        |
| 8 5/8"                     | 929'             | 929'         | to surface             |
| 7"                         |                  |              |                        |
| 5 1/2"                     |                  |              |                        |
| 4 1/2"                     | 5152'            | 5152'        | w/100 sks 4613'        |
| 3                          |                  |              |                        |
| 2                          |                  |              |                        |
| Liners used                |                  |              |                        |

GEOLOGICAL TARGET FORMATION Elk DEPTH 5050 FEET

Depth of completed well 5485 feet Rotary x / Cable Tools \_\_\_\_\_  
Water Strata depth: Fresh 83, 1531, 1545 feet Salt \_\_\_\_\_ feet  
Coal seam depth: 260-265' Is coal being mined in this area? No

OPEN FLOW DATA

Producing formation Elk Pay zone depth See back feet  
Gas: Initial open flow No show Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 762 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 2 hours  
Static rock pressure 1225 psig ( surface measurement after 78 hours shut-in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut-in  
(continue on reverse side)

RAND 834



RECEIVED  
DEPT. OF MINES

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

Well was fractured January 31, 1984  
Perforations: 5071 - 5077 1st Elk

Plug Back: 5485-5152 6% Gel

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                         | 0        | 14          | Water @ 83' Damp  |
| Sand & Shale                 | 14       | 260         | Water @ 1531' Damp  |
| Coal                         | 260      | 265         | 1" stream water @ 1545'   |
| Sand & Shale                 | 265      | 923         | Gas check @ 1815' No show   |
| Red Rock                     | 923      | 993         | Gas check @ 2318' No show   |
| Sand                         | 993      | 1027        | Gas check @ 2506' No show   |
| Gray Shale & Red Rock        | 1027     | 1398        | Gas check @ 2979' No show   |
| Little Lime                  | 1398     | 1504        | Gas check @ 3769' No show   |
| Sand                         | 1504     | 1560        | Gas check @ 3958' No show   |
| Big Lime                     | 1560     | 1720        | Gas check @ 4338' No show   |
| Injun                        | 1720     | 1815        | Gas check @ 4776' No show   |
| Sand & Shale                 | 1815     | 1885        | Gas check @ 5185' No show   |
| Shale & Red Rock             | 1885     | 2318        | Gas check @ 5216' No show   |
| 4th Sand                     | 2318     | 2472        |   |
| 5th Sand                     | 2472     | 2912        |   |
| Balltown                     | 2912     | 2957        |   |
| Shale                        | 2957     | 3690        |   |
| Riley                        | 3690     | 3740        |   |
| Sand & Shale                 | 3740     | 3927        |   |
| Benson                       | 3927     | 3961        |   |
| Sand & Shale                 | 3961     | 5140        |   |
| 1st Elk                      | 5140     | 5190        |   |
| Sand & Shale                 | 5190     | 5220        |   |
| 2nd Elk                      | 5220     | 5260        |   |
| Sand & Shale                 | 5260     | 5485 T.D.   |   |

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By: Raymond T. Moya  
Vice President Oil & Gas Operations

Date: February 15, 1984

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."



**RECEIVED**  
NOV 26 1984  
OIL & GAS DIVISION  
**DEPT. OF MINES**

**State of West Virginia**  
**Department of Mines**  
**Oil and Gas Division**  
**Charleston 25305**

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
February 23, 1984

COMPANY Alamco, Inc.  
200 West Main Street  
Clarksburg, West Virginia 26301

PERMIT NO 083-0834  
FARM & WELL NO McMullan/Westvaco A-1448  
DIST. & COUNTY Middle Fork/Randolph

| RULE  | DESCRIPTION                                       | IN COMPLIANCE |       |
|-------|---|---------------|-------|
|       |   | YES           | NO    |
| 23.06 | Notification Prior to Starting Work               | _____         | _____ |
| 25.04 | Prepared before Drilling to Prevent Waste         | _____         | _____ |
| 25.03 | High-Pressure Drilling                            | _____         | _____ |
| 16.01 | Required Permits at Wellsite                      | _____         | _____ |
| 15.03 | Adequate Fresh Water Casing                       | _____         | _____ |
| 15.02 | Adequate Coal Casing                              | _____         | _____ |
| 15.01 | Adequate Production Casing                        | _____         | _____ |
| 15.04 | Adequate Cement Strenght                          | _____         | _____ |
| 15.05 | Cement Type                                       | _____         | _____ |
| 23.02 | Maintained Access Roads                           | _____         | _____ |
| 25.01 | Necessary Equipment to Prevent Waste              | _____         | _____ |
| 23.04 | Reclaimed Drilling Pits                           | _____         | _____ |
| 23.05 | No Surface or Underground Pollution               | _____         | _____ |
| 23.07 | Requirements for Production & Gathering Pipelines | _____         | _____ |
| 16.01 | Well Records on Site                              | _____         | _____ |
| 16.02 | Well Records Filed                                | _____         | _____ |
| 7.05  | Identification Markings                           | _____         | _____ |

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *Phillip Gray*  
DATE 11-20-84

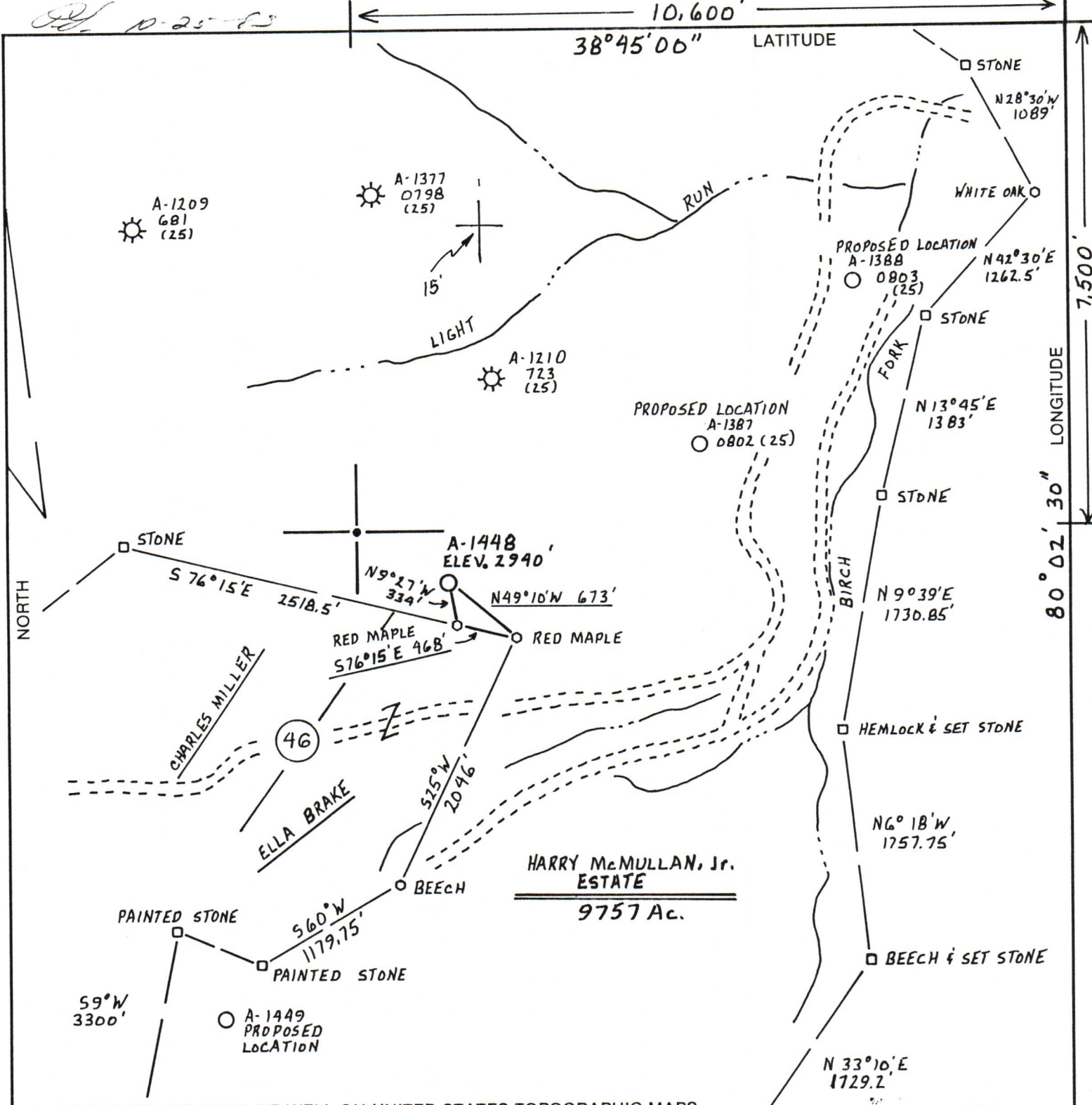
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

*[Signature]*

Administrator-Oil & Gas Division

January 10, 1985

DATE

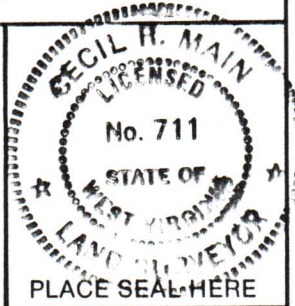


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION U.S.C.G.S. BM # 276  
ELEV. 2537'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Cecil R. Main  
 R.P.E. \_\_\_\_\_ L.L.S. 711



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
**OIL AND GAS DIVISION**



DATE October 12, 1983  
 OPERATOR'S WELL NO. A-1448  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 2940' WATERSHED BIRCH FORK  
 DISTRICT MIDDLE FORK COUNTY RANDOLPH  
 QUADRANGLE ADOLPH 7.5'

SURFACE OWNER WESTVACO ACREAGE 9757 Ac.  
 OIL & GAS ROYALTY OWNER HARRY McMULLAN, Jr. ESTATE LEASE ACREAGE 9757 Ac.  
 LEASE NO. 2126-170352

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ELK ESTIMATED DEPTH 5050'  
 WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER  
 ADDRESS P.O. Box 1740 ADDRESS P.O. Box 1740  
CLARKSBURG, WEST VIRGINIA 26302-1740 CLARKSBURG, WEST VIRGINIA 26302-1740

DB3 RANDOLPH COUNTY NAME PERMIT 634

FORM IV-6 (8-78) H.T. HALL