



1) Date: November 29, 1983  
 2) Operator's Well No. A-1465  
 3) API Well No. 47 - 083 - 0853  
 State County Permit

**RECEIVED**

DEC 7 - 1983

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  Gas  (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow  /)
- 5) LOCATION: Elevation: 2435 Watershed: Lick Run  
 District: Roaring Creek County: Randolph Quadrangle: Cassity 7.5'
- 6) WELL OPERATOR ALAMCO 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 Robert Stewart Name Development Drilling  
 Address P. O. Box 345 Address P. O. Box 1740  
Jane Lew, WV 26378 Clarksburg, WV 26301
- 10) PROPOSED WELL WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate  /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Elk
- 12) Estimated depth of completed well, 5050 feet
- 13) Approximate trata depths: Fresh, 64 feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: 54-148 207-211 Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

15) CASING AND TUBING PROGRAM

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	8-5/8"								
Coal	8-5/8"		20#	X		700'	700'	Cement to Surface	by rule 15.05
Intermediate									
Production	4-1/2"		10.55#	X		5050'	5050'	Req. by Rule 15.01	
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-083-0853

December 23, 1983  
Date

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 December 23, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>25123</u>
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Margaret J. Hesse  
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

12/23



1) Date: \_\_\_\_\_  
 2) Operator's Well No: \_\_\_\_\_  
 3) API Well No: \_\_\_\_\_  
 State: \_\_\_\_\_ County: \_\_\_\_\_



FILE COPY  
 RECEIVED  
 1983

**OFFICE USE ONLY**

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

1) LOCATION: \_\_\_\_\_  
 2) WELL OPERATOR: \_\_\_\_\_  
 3) DRILLING CONTRACTOR: \_\_\_\_\_  
 4) PROPOSED WELL WORK: \_\_\_\_\_  
 5) APPROXIMATE COAL SEAM DEPTH: \_\_\_\_\_  
 6) ESTIMATED DEPTH OF COMPLETED WELL: \_\_\_\_\_  
 7) DESIGNATED AGENT: \_\_\_\_\_  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED: \_\_\_\_\_  
 9) ADDRESS: \_\_\_\_\_  
 10) RIG OF OLD FORMATION: \_\_\_\_\_  
 11) GEOLOGICAL TARGET FORMATION: \_\_\_\_\_  
 12) APPROXIMATE STRATIGRAPHIC THICKNESS: \_\_\_\_\_  
 13) APPROXIMATE COAL SEAM DEPTH: \_\_\_\_\_

FORMATION	THICKNESS (FEET)	DEPTH (FEET)	PERCENTAGE OF COAL	REMARKS
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**OFFICE USE ONLY**

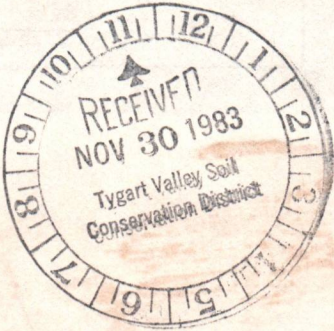
This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

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

**OTHER INSPECTIONS**

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





Date 11-29-83  
Well No. A-1465  
API No. 47 - 085 - 0853  
State County Permit

State of West Virginia  
Department of Mines  
Oil and Gas Division



CONSTRUCTION AND RECLAMATION PLAN

OIL & GAS DIVISION

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

Designated Agent Daniel B. 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. 12-3-83 (Date) Junior H. Hines (SCD Agent)

ACCESS ROAD		LOCATION	
Structure <u>Drainage Ditch</u> (A)	Spacing <u>Earthen</u>	Structure <u>DIVERSION Ditch</u> (1)	Material <u>Earthen</u>
Page Ref. Manual <u>2:12</u>		Page Ref. Manual <u>2:12</u>	
Structure <u>CULVERTS</u> (B)	Spacing <u>18" I.D (WHERE NEEDED)</u>	Structure <u>RIP RAP</u> (2)	Material <u>Rock</u>
Page Ref. Manual <u>2-7</u>		Page Ref. Manual <u>N/A</u>	
Structure <u>RIPRAP</u> (C)	Spacing <u>Rock</u>	Structure _____ (C)	Material _____
Page Ref. Manual <u>N/A</u>		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\* KENTUCKY 31 40 lbs/acre  
DOMESTIC RYEGRASS 10 lbs/acre  
BIRD FOOT 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  
BIRD FOOT 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 B. Wheeler  
ALAMCO, INC.  
ADDRESS 200 W. Main Street  
P. O. Box 1740  
Clarksburg, WV 26302  
PHONE NO. 304 623-6671







1) Date: November 29, 1983  
2) Operator's  
Well No. A-1465  
3) API Well No. 47 - 083 - 0853  
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  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR See Attached  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name See Attached  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
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.

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

DEPT. OF MINES  
OIL & GAS DIVISION

RECEIVED  
DEC 7 - 1983

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  
Daniel L. Wheeler,  
this 29 day of November, 1983.  
My commission expires Nov. 17, 1990.  
Denise C. Spencer  
Notary Public, Harrison County,  
State of West Virginia

WELL  
OPERATOR ALAMCO, INC.  
By Daniel L. Wheeler  
Its Vice President  
Address P. O. Drawer 1740  
Clarksburg, WV 26301  
Telephone 304-623-6671



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.

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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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
-----------------------	-----------------------	---------	-----------

Lease dated July 30, 1971

Goff-Arnold Land Co. unto Manufacturer's Light & Heat 1/8 272 449  
(Columbia)

Columbia unto Allegheny Land and Mineral Co. (ALAMCO) Not Recorded



COAL, OIL AND GAS OWNERSHIP

Harry McMullan  
P. O. Box 8  
Washington, North Carolina 27889

Elizabeth Arnold Vilseck  
125 Randolph Avenue  
Elkins, West Virginia 26241

Mrs. Charles Philip Holz  
1517 Connell Road  
Charleston, West Virginia 25314

Esther Mr. Richter  
and Esther M. Cutright  
201 29th North  
St. Petersburg, Florida

SURFACE

Westvaco  
203 Randolph Avenue  
Elkins, West Virginia 26241

RECEIVED  
DEC 7 1983

OIL & GAS DIVISION  
DEPT. OF MINES



ATTN: LAND DEPT. A-1465  
**P 349 335 361**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

SENT TO  
**WESTVACO**  
 STREET AND NO.  
**202 Randolph Avenue**  
 P.O. STATE AND ZIP CODE  
**Elkins, West Virginia 26241**

POSTAGE \$

CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	•
SPECIAL DELIVERY	•
RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
SHOW TO WHOM AND DATE DELIVERED	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
CONSULT POSTMASTER FOR FEES	•

TOTAL POSTAGE AND FEES \$

POSTMARK OR DATE  
**CLARKSBURG, WEST VIRGINIA 26301**  
**DEC 2 AM 1983**  
**263**

PS Form 3800, Apr. 1976

SENES FO. TIED  
 DEPT. OF MINES  
 & GAS DIVISION  
 8619 - 7 030

**RECEIVED**

ATTN: LAND DEPT. A-1465  
**P 349 335 365**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

SENT TO  
**Hobby McMullan**  
 STREET AND NO.  
**P O Box 8**  
 P.O. STATE AND ZIP CODE  
**Washington, NC 27889**

POSTAGE \$

CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	•
SPECIAL DELIVERY	•
RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
SHOW TO WHOM AND DATE DELIVERED	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
CONSULT POSTMASTER FOR FEES	•

TOTAL POSTAGE AND FEES \$

POSTMARK OR DATE  
**CLARKSBURG, WEST VIRGINIA 26301**  
**DEC 2 AM 1983**  
**263**

PS Form 3800, Apr. 1976

ATTN: LAND DEPT. A-1465  
**P 349 335 364**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

SENT TO  
**Elizabeth Arnold Vilseck**  
 STREET AND NO.  
**175 Randolph Avenue**  
 P.O. STATE AND ZIP CODE  
**Elkins, WV 26241**

POSTAGE \$

CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	•
SPECIAL DELIVERY	•
RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
SHOW TO WHOM AND DATE DELIVERED	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
CONSULT POSTMASTER FOR FEES	•

TOTAL POSTAGE AND FEES \$

POSTMARK OR DATE  
**CLARKSBURG, WEST VIRGINIA 26301**  
**DEC 2 AM 1983**  
**263**

PS Form 3800, Apr. 1976

ATTN: LAND DEPT. A-1465  
**P 349 335 362**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

SENT TO  
**Esther Richter and Esther Cutright**  
 STREET AND NO.  
**201 29th North**  
 P.O. STATE AND ZIP CODE  
**St. Petersburg, Florida**

POSTAGE \$

CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	•
SPECIAL DELIVERY	•
RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
SHOW TO WHOM AND DATE DELIVERED	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
CONSULT POSTMASTER FOR FEES	•

TOTAL POSTAGE AND FEES \$

POSTMARK OR DATE  
**CLARKSBURG, WEST VIRGINIA 26301**  
**DEC 2 AM 1983**  
**263**

PS Form 3800, Apr. 1976

ATTN: LAND DEPT. A-1465  
**P 349 335 363**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

SENT TO  
**Charles Philip Holz**  
 STREET AND NO.  
**Steffanynell Road**  
 P.O. STATE AND ZIP CODE  
**Charleston, WV 25314**

POSTAGE \$

CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	•
SPECIAL DELIVERY	•
RESTRICTED DELIVERY	•
RETURN RECEIPT SERVICE	•
OPTIONAL SERVICES	•
SHOW TO WHOM AND DATE DELIVERED	•
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	•
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OPTIONAL SERVICES	•
CONSULT POSTMASTER FOR FEES	•

TOTAL POSTAGE AND FEES \$

POSTMARK OR DATE  
**CLARKSBURG, WEST VIRGINIA 26301**  
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**263**

PS Form 3800, Apr. 1976



**RECEIVED**  
FEB 21 1984



Date February 17, 1984  
Operator's  
Well No. A-1465  
Farm McMullan  
API No. 47 - 083 - 0853

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: 2453' Watershed Lick Run  
District: Roaring Creek County: Randolph Quadrangle: Cassity 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 Ave., Elkins, WV

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

OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart  
ADDRESS P.O. Box 345, Jane Lew, WV

PERMIT ISSUED December 23, 1983

DRILLING COMMENCED January 9, 1984

DRILLING COMPLETED January 17, 1984

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"	705'	705'	to surface
7"			
5 1/2"			
4 1/2"	5105'	5105'	w/325 sks 3200'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk DEPTH 5050 FEET

Depth of completed well 5112 feet Rotary x / Cable Tools \_\_\_\_\_  
Water Strata depth: Fresh 35 & 240 feet Salt \_\_\_\_\_ feet  
Coal seam depth: 239-241 Is coal being mined in this area? No

OPEN FLOW DATA

Producing formation 3rd & 2nd Elk, 1st Elk Pay zone depth See Back feet  
Gas: Initial open flow 84 Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 1560 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 2 hours

Static rock pressure 1500 psig ( surface measurement after 67 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)

RAW 853



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

Well was fractured February 2, 1984  
 Perforations: 4790 - 4798 1st Elk  
 4916 - 4919  
 5013 - 5016 2nd & 3rd Elk

RECEIVED  
 DEPT. OF MINES  
 OIL & GAS DIVISION

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	5	Hole damp @ 35'
Sand & Shale	5	239	1" stream water @ 240'
Coal	239	241	Gas check @ 1124' No show
Sand & Shale	241	623	Gas check @ 1249' No show
Sand, Shale & Red Rock	623	637	Gas check @ 1625' No show
Sand & Shale	637	1087	Gas check @ 1937' No show
Little Lime	1087	1114	Gas check @ 2189' No show
Sand & Shale	1114	1154	Gas check @ 2534' No show
Big Lime	1154	1290	Gas check @ 2975' No show
Sand & Shale	1290	1315	Gas check @ 3224' No show
Injun	1315	1402	Gas check @ 3635' No show
Sand & Shale	1402	1695	Gas check @ 4139' No show
Red Rock	1695	2000	Gas check @ 4516' No show
5th Sand	2000	2101	Gas check @ 4767' No show
Sand & Shale	2101	2189	Gas check @ 4799' 84 MCF/D
Speechley	2189	2240	
Sand & Shale	2240	3346	
Riley	3346	3356	
Sand & Shale	3356	3540	
Benson	3540	3566	
Shale	3566	4214	
Alexander	4214	4228	
Shale	4228	4796	
Elk	4796	4814	
Shale	4814	4924	
2nd Elk	4924	4930	
Shale	4930	5012	
3rd Elk	5012	5033	
Shale	5033	5112 T.D.	

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator  
 By: Raymond P. Duozza  
 Vice President Oil & Gas Operations  
 Date: February 17, 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."



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

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OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 83-853

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Alamo

Address \_\_\_\_\_

Farm Niva McMillan

Well No. 17-1465

District Roaringck County Randolph

Drilling commenced \_\_\_\_\_

Drilling completed \_\_\_\_\_ Total depth 130

Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_

Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch

Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8 1/4	<u>706</u>	<u>706</u>	<u>200 shot</u>
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Da \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

Jan 11, 84  
DATE

Phillip Lacey









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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 083-0853  
FARM & WELL NO McMullan/Westvaco A-1465  
DIST. & COUNTY Roaring Creek

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 Trovoff  
DATE 11-20-84

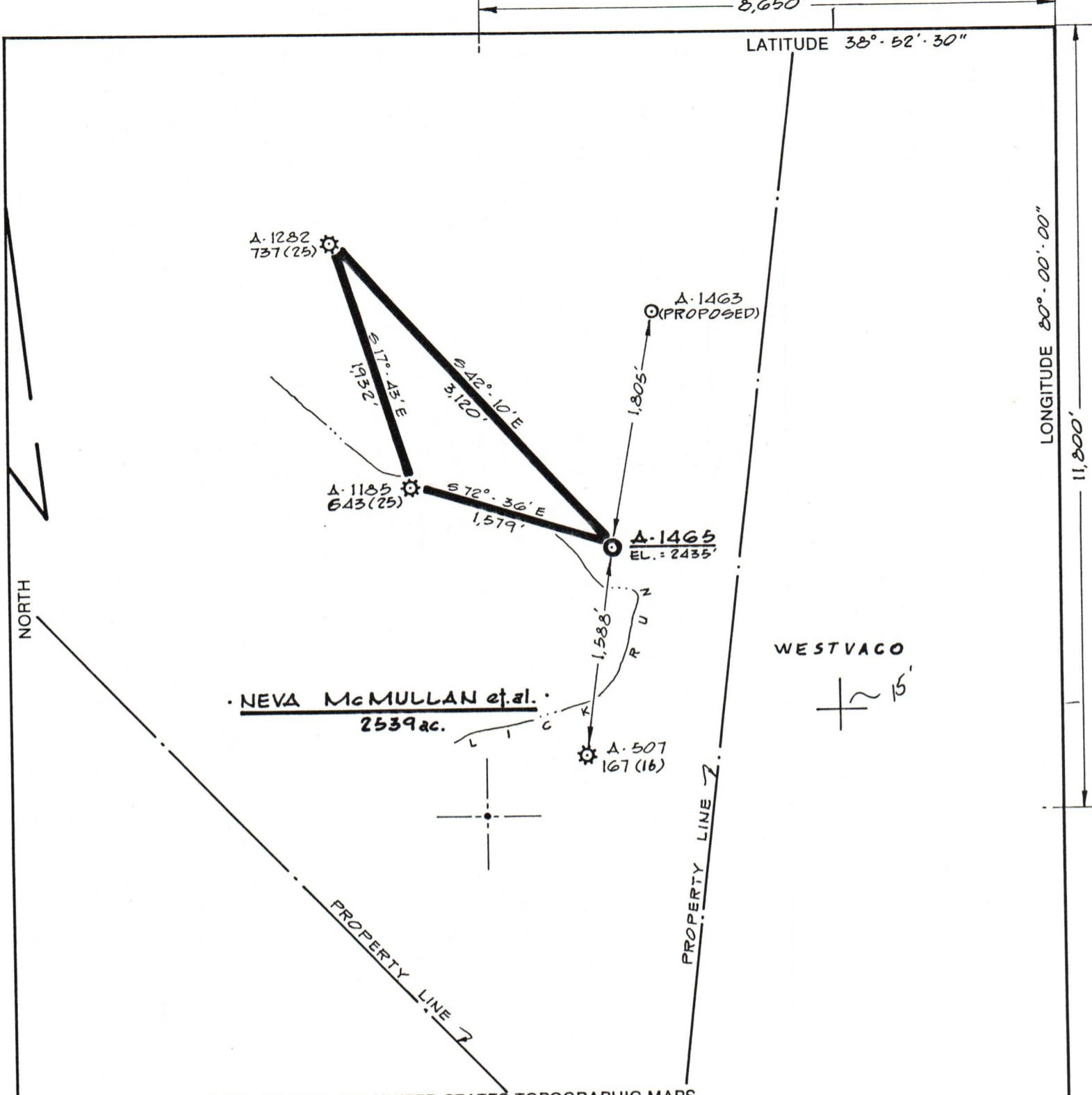
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. ...  
Administrator-Oil & Gas Division

January 11, 1985

DATE

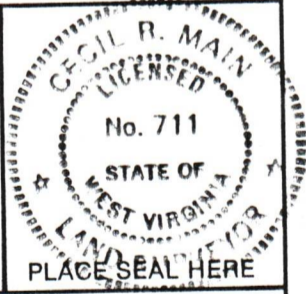




(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1,000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION A-1185, API: 543, EL.: 2523'

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 NOVEMBER 23, 1983  
 OPERATOR'S WELL NO. A-1465  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 2435' WATERSHED LICK RUN  
 DISTRICT ROARING CREEK COUNTY RANDOLPH  
 QUADRANGLE CASSITY 7.5'  
 SURFACE OWNER WESTVACO ACREAGE 2539  
 OIL & GAS ROYALTY OWNER NEVA McMULLAN, et al. LEASE ACREAGE 2539  
 LEASE NO. 2125

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 WHEELER  
 ADDRESS P.O. BOX 1740, CLARKSBURG, W.V.A. ADDRESS P.O. BOX 1740, CLARKSBURG, W.V.A.  
26302-1740 26302-1740

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

083 SAND.  
 COUNTY NAME  
 PERMIT 853