



1) Date: July 25, 19 84
 2) Operator's Well No. A-1374 (Westvaco)
 3) API Well No. 47 - 083 - 0940
 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 / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 3120' Watershed: Birch Fork MTM 25A
 District: Middle Fork 5 County: Randolph Quadrangle: Cassity 7.5' 282
- 6) WELL OPERATOR Alamco 975 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 Phillip Tracy Name Development Drilling, Inc.
 Address P. O. Box 2536 Address P. O. Box 1740
Elkins, WV 26241 Clarksburg, WV 26301
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation X /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Elk
 12) Estimated depth of completed well, 5600' feet
 13) Approximate strata depths: Fresh, feet; salt, feet.
 14) Approximate coal seam depths: 32-34; 98-102; 156-160 Is coal being mined in the area? Yes
- 15) CASING AND TUBING PROGRAM 327-331

RECEIVED
 AUG - 2 1984
 OIL & GAS DIVISION
 DEPT. OF MINE
 PACKERS

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	Kind
Fresh water									
Coal	8-5/8"		20#	X		1000'	1000'	Cement to Surface	Size by rule 15.03
Intermediate									
Production	4-1/2"		J.55	X		5600'	5600'	Req. by Rule 15.01	Depth 91
Tubing			10.50						
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0940 Date August 15, 19 84

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 August 15, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>4</u> BLANKET	Agent: <u>LA</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>663</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.



OFFICE USE ONLY

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

1) WELL LOCATION: B (H. Gas), Production, Elevation: 3120', District: Middle Fork, County: Putnam, State: WV

2) WELL OPERATOR: Address: P. O. Box 1740, Putnam, WV 26301

3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: [Blank], Address: P. O. Box 2338, Putnam, WV 26301

4) PROPOSED WELL WORK: Drill: [Blank], Plug off old formation: [Blank], Perform new formation: [Blank], Other physical change in well (specify): [Blank]

5) GEOLOGICAL TARGET FORMATION: Estimated depth of completed well: 3000', Approximate true depths: Fresh: [Blank], Approximate coal seam depths: 32-34, 38-40, 42-44, 46-48, 50-52, 54-56, 58-60, 62-64, 66-68, 70-72, 74-76, 78-80, 82-84, 86-88, 90-92, 94-96, 98-100, 102-104, 106-108, 110-112, 114-116, 118-120, 122-124, 126-128, 130-132, 134-136, 138-140, 142-144, 146-148, 150-152, 154-156, 158-160, 162-164, 166-168, 170-172, 174-176, 178-180, 182-184, 186-188, 190-192, 194-196, 198-200

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		

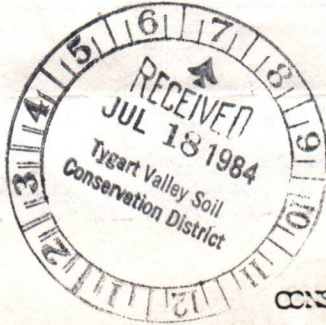
OTHER INSPECTIONS

Reason: _____

Reason: _____

Blanket	Agent	Plan	Casing	Test
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IV-9
(Rev 8-81)



State of West Virginia
Department of Mines
Oil and Gas Division

DATE July 13, 1984
WELL NO. A1374 REVISED
API NO. 47-083-0940

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME ALAMCO
Address P. O. DRAWER 1740
Clarksburg, WV 26301
Telephone 623-6671

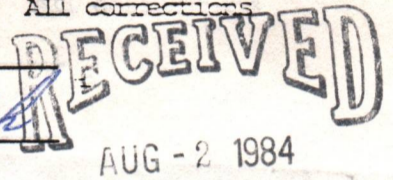
DESIGNATED AGENT Daniel L. Wheeler
Address P. O. Drawer 1740
Clarksburg, WV 26301
Telephone 304 623-6671

LANDOWNER WESTVACO
Revegetation to be carried out by ALAMCO (Agent)

SOIL CONS. DISTRICT TYGART VALLEY

This plan has been reviewed by Tygart Valley SCD. All corrections
and additions become a part of this plan: 7-22-84 (Date)

Junior Pelich
(SCD Agent)



ACCESS ROAD

LOCATION

OIL & GAS DIVISION
DEPT. OF MINES

Structure Drainage Ditch (A)
Spacing Earthen
Page Ref. Manual 2:12

Structure Drainage Ditch
Material Earthen
Page Ref. Manual 2:12

Structure CULVERTS (B)
Spacing 16" I.O. (WHERE NEEDED)
Page Ref. Manual 2:7

Structure SEDIMENT BARRIER (2)
Material HAY OR STRAW
Page Ref. Manual 2:16

Structure SEDIMENT BARRIER (C)
Spacing HAY OR STRAW
Page Ref. Manual 2:16

Structure _____ (3)
Material _____
Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the 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
BIRDFOOT 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
BIRDFOOT TREFOIL 10 lbs/acre

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

Daniel L. Wheeler

PLAN PREPARED BY Daniel L. Wheeler 12/01/2023
ADDRESS P. O. Drawer 1740
200 West Main Street
Clarksburg, West Virginia 26301
PHONE NO. 304 623-6671

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

Westvaco

July 12, 1984

Director,
Department of Mines
Oil and Gas Division
State of West Virginia
1615 Washington Street, East
Charleston, West Virginia

RECEIVED

AUG - 2 1984

OIL & GAS DIVISION
DEPT. OF MINES

Re: Waivers of Coal Operator, Owner or Lessee and
Surface Owner

Dear Sir:

The undersigned coal owner of the coal under the acreage described in Exhibit "A" attached hereto and made a part hereof, has examined or will by the terms of the lease agreement with Alamco, Inc., examine all proposed well locations prior to the drilling of the same and where and if a mine map exists, which covers the area of any future well locations, the well locations have been or will be added to the mine map. The undersigned has no objection to the work proposed to be done upon this lease, provided, the well operator has complied with all applicable requirements of the West Virginia Code and governing regulations.

The undersigned surface owner of the surface of the tract described in Exhibit "A" referred to above has examined twenty-five (25) locations and approved the same and will examine and approve all locations submitted by Alamco, Inc., in accord with its lease agreement with Westvaco Corporation and the undersigned further states that it has no objection to the planned work upon the locations approved heretofore and on all future approved locations and the undersigned has no objection to a permit being issued for work on any well location permitted by Alamco, Inc., upon the acreage described in Exhibit "A".

WESTVACO CORPORATION

By *R. P. Heiderhues*
Its Manager, West Virginia
Woodlands

Date: *July 16, 1984*

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

Well was fractured October 18, 1984
 Perforations: 2144 - 2154 Gordon
 4028 - 4034 Benson
 5294 - 5298
 5302 - 5306 1st Elk

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	10	Damp @ 30'
Sand & Shale	10	127	1" stream water @ 127'
Coal	127	132	Gas check @ 1881' No show
Sand & Shale	132	212	Gas check @ 2826' No show
Coal	212	215	Gas check @ 3015' No show
Sand & Shale	215	980	Gas check @ 3197' No show
Red Rock	980	1055	Gas check @ 3708' No show
Sand & Shale	1055	1132	Gas check @ 4089' No show
Red Rock & Shale	1132	1458	Gas check @ 4436' No show
Little Lime	1458	1522	Gas check @ 4844' No show
Sand & Shale	1522	1542	Gas check @ 5502' No show
Big Lime	1542	1711	
Big Injun	1711	1800	
Sand & Shale	1800	5502 T.D.	

GAMMA RAY LOG TOPS

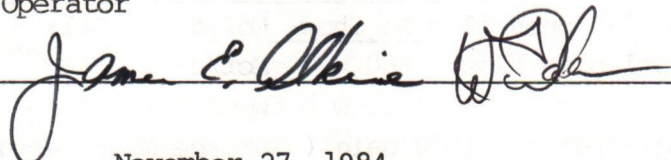
Gantz 1805'
 Gordon Stray 2026'
 Gordon 2131'
 4th Sand 2204'
 4th A Sand 2404'
 5th Sand 2481'
 Riley 3838'
 Benson 4028'
 Alexander 4398'
 1st Elk 5280'
 2nd Elk 5348'
 3rd Elk 5420'

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By:



Date:

November 27, 1984

12/01/2023

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 Division
Charleston 25305

RECEIVED
JUN 24 1985

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 30, 1984

COMPANY Alamco, Inc.
P. O. Box 1740
Clarksburg, West Virginia 26301

PERMIT NO 083-0940 (8-15-84)
FARM & WELL NO Westvaco A-1374
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 *Philip Tracy*
DATE 10-19-85

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.

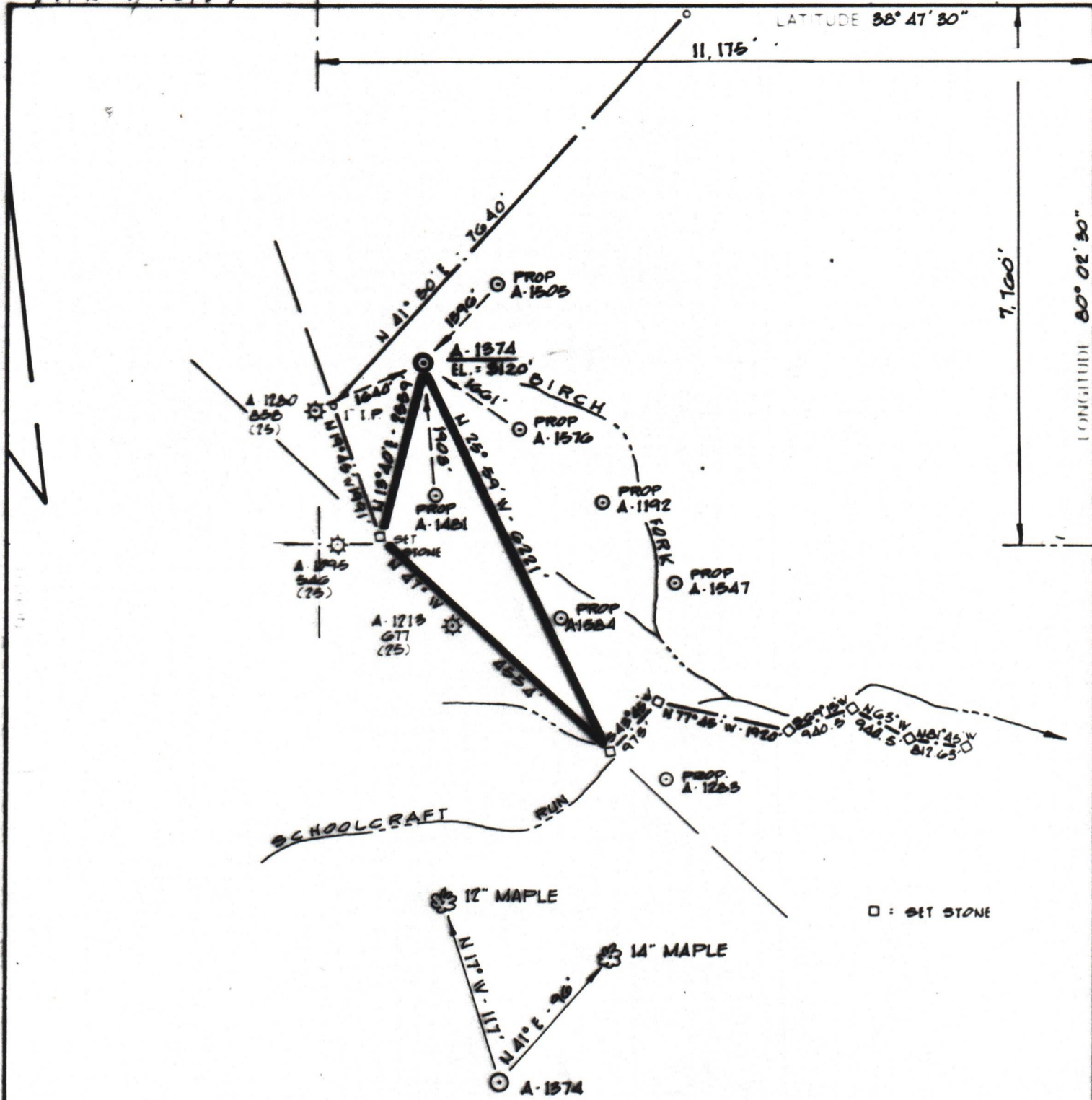
T. H. ...
Administrator-Oil & Gas Division

July 1, 1985

DATE

*Sent to ...
1-31-85*

MH 2/15/87



- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO DM/SP
 DRAWING NO _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION WELL # A-1280
API # 858 EL: 3211

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 5-31 1984
 OPERATOR'S WELL NO. A-1574
 API WELL NO. 47-083-0940
 STATE COUNTY PERMIT

WELL TYPE OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION ELEVATION 3120' WATERSHED DIRCH FORK
 DISTRICT MIDDLE FORK COUNTY RANDOLPH
 QUADRANGLE CASSITY 7.5'

SURFACE OWNER WESTVACO ACREAGE 2510.44a
 OIL & GAS ROYALTY OWNER WESTVACO LEASE ACREAGE 4944

LEASE NO. 1342 12/01/2023

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ELK ESTIMATED DEPTH 5600'
 WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. BOX 1740, CLARKSBURG, W.VA. 26302-1740 ADDRESS P.O. BOX 1740, CLARKSBURG, W.VA. 26302-1740

083 RITCHIE COUNTY NAME PERMIT

1) Date: July 25, ,19 84
2) Operator's Well No. A-1374 (Westvaco)
3) API Well No. 47 - 083 - 0940
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 Corp.
Address 203 Randolph Avenue
Elkins, WV 26241
- (ii) Name _____
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Westvaco Corp.
Address 203 Randolph Avenue
Elkins, WV 26241

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:

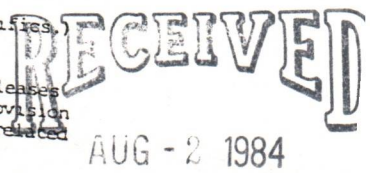
- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

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.

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.



OIL & GAS DIVISION
DEPT. OF MINE

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 25 day of July, 19 84.
My commission expires 3/16, 1994.

Sheila D. Parks
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

12/01/2023

INSTRUCTIONS TO APPLICANT

P 528 439 651

CONCERNING THE LEASE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Applicant.
- 4) & 5) Use separate sheet if more than one lease is involved.
- 4) Surface owner(s) of the land. See also Code § 22-4-11(c) "co-owners of interests in such lands".
- 5(i) "Coal Operator" means the corporation that produces coal from the land.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c) "Continuing contract(s)", provided below.
- 7) See Code § 22-4-11(d).

CONCERNING THE REQUIRED COPIES:

Filing. Code § 22-4-1k requires copies of the Notice and plat to be filed with the forms prescribed by Code § 22-4-1k(d) and 23, (iv) unless previously recorded and 22-3-12a, and (v) if the owner of any water well.

Service. In addition, copies must be served on the person(s) with an interest in the land.

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse) A-1374 SDP

Sent to Westvaco Corporation 203 Randolph Avenue Elkins, West Virginia P.O. State and ZIP Code A-1374	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery	
Return Receipt Showing to Whom and Date Delivered	26302
Return receipt showing to Whom, Date, and Address of Delivery	26302
TOTAL Postage and Fees	\$
Postmark or Date	1984 USPS

tion. However, the person or other person who holds interests in the land.

262 p association or

or other contract(s) in the space

al and required by the operator, accompanied by a bond in one of the forms of security allowed by Code § 22-4-1a(c) and 22-4-8a from the well.

) and the person(s) named in 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:

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

Westvaco Corp.

Alamco, Inc.

1/8

362 743

Robert C. ...