



1) Date: December 14, 19 83
 2) Operator's Well No. A-1471 (McMullan)
 3) API Well No. 47 - 083 - 0869
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 2644 Watershed: Middle Fork River
 District: Middle Fork County: Randolph Quadrangle: Cassity 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, Inc.
 Address General Delivery Address P. O. Box 1740
Ellamore, WV 26267 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, 5350 feet
- ± 13) Approximate strata depths: Fresh, _____ feet; salt, 273 feet.
- 14) Approximate coal seam depths: 354-358; 416-420 Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 JAN 11 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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	Surface	
Fresh water										
Coal	8-5/8"		20#	X		900'	900'	Cement to Surface	NEAT	
Intermediate										
Production	4-1/2"		40.55#	X		5350'	5350'	Req. by Rule	Depths: 01	
Tubing										
Liners									Perforations: Top Bottom	

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0869 Date January 27, 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 January 27, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET BOND	Bond:	Agent: <u>LP</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>25252</u>
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[Signature]
 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.

08/25/2023

File

1) Date: December 19, 1983
 2) Operator's Well No. 033-088
 3) API Well No. 47
 Permit County State



FORM IV-2(B)
 (Overseas)
 7-83

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

OFFICE USE ONLY

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

1) LOCATION: B (1) "Gas", Production / (2) "Oil", Production / (3) "Water", Production / (4) "Other", Production / (5) "Shallow" / (6) "Deep" / (7) "Underground storage" / (8) "Watershed: _____" / (9) "District: _____" / (10) "County: _____" / (11) "Quadrangle: _____" / (12) "Well Operator: _____" / (13) "Address: _____" / (14) "Designated Agent: _____" / (15) "Address: _____" / (16) "Drilling Contractor: _____" / (17) "Name: _____" / (18) "Address: _____" / (19) "Drill deeper" / (20) "Redrill" / (21) "Stimulate" / (22) "Plug old formation" / (23) "Pore new formation" / (24) "Other physical change in well (specify): _____" / (25) "Estimated depth of completed well, feet: _____" / (26) "Approximate true depth, feet: _____" / (27) "Approximate coal seam depth, feet: _____" / (28) "Is coal being mined in the area? Yes / No: _____" / (29) "Geological Target Formation: _____" / (30) "Casing and Tubing Program: _____" / (31) "Casing or Tubing Type: _____" / (32) "Size: _____" / (33) "Grade: _____" / (34) "Weight per ft. _____" / (35) "New / Lead: _____" / (36) "Footage Intervals: _____" / (37) "Cement Fill-Up or Sacks (Cubic feet): _____" / (38) "Packers: _____"

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	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

Application received _____ Follow-up inspection(s) _____
 Well work started _____ " _____
 Completion of the drilling process _____ " _____
 Well Record received _____ " _____
 Reclamation completed _____ " _____

OTHER INSPECTIONS

Reason: _____
 Reason: _____

Bond:	Agent:	Pist:	Casing:	Fee:
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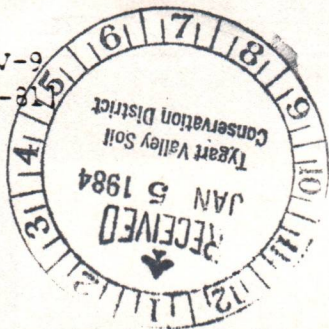
NOTE: Keep one copy of this permit posted at the drilling location.
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

08/25/2023



Date 1/3/84
Well No. A-1471
API No. 47 - 083 - 0869
State County Permit

State of West Virginia
Department of Mines
Oil and Gas Division



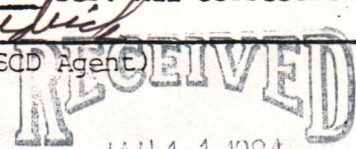
CONSTRUCTION AND RECLAMATION PLAN

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

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 [Signature] SCD. All corrections and additions become a part of this plan 1-7-84 (Date) [Signature] (SCD Agent)



ACCESS ROAD

LOCATION JAN 1 1 1984

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

Structure DRAINAGE Ditch (1)
Material Earthen
Page Ref. Manual 2:12

Structure CULVERT'S (B)
Spacing 18" I.D. (WHERE NEEDED)
Page Ref. Manual 2:7

Structure RIP RAP (2)
Material ROCK
Page Ref. Manual N/A

Structure RIP RAP (C)
Spacing ROCK
Page Ref. Manual N/A

Structure _____ (C)
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

Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch Straw 2 Tons/acre

Mulch Straw 2 Tons/acre

Seed* TALL FESCUE 40 lbs/acre

Seed* TALL FESCUE 40 lbs/acre

BIRDSFOOT TREFOIL 10 lbs/acre

BIRDSFOOT TREFOIL 10 lbs/acre

DOMESTIC RYEGRASS 10 lbs/acre

DOMESTIC RYE GRASS 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.

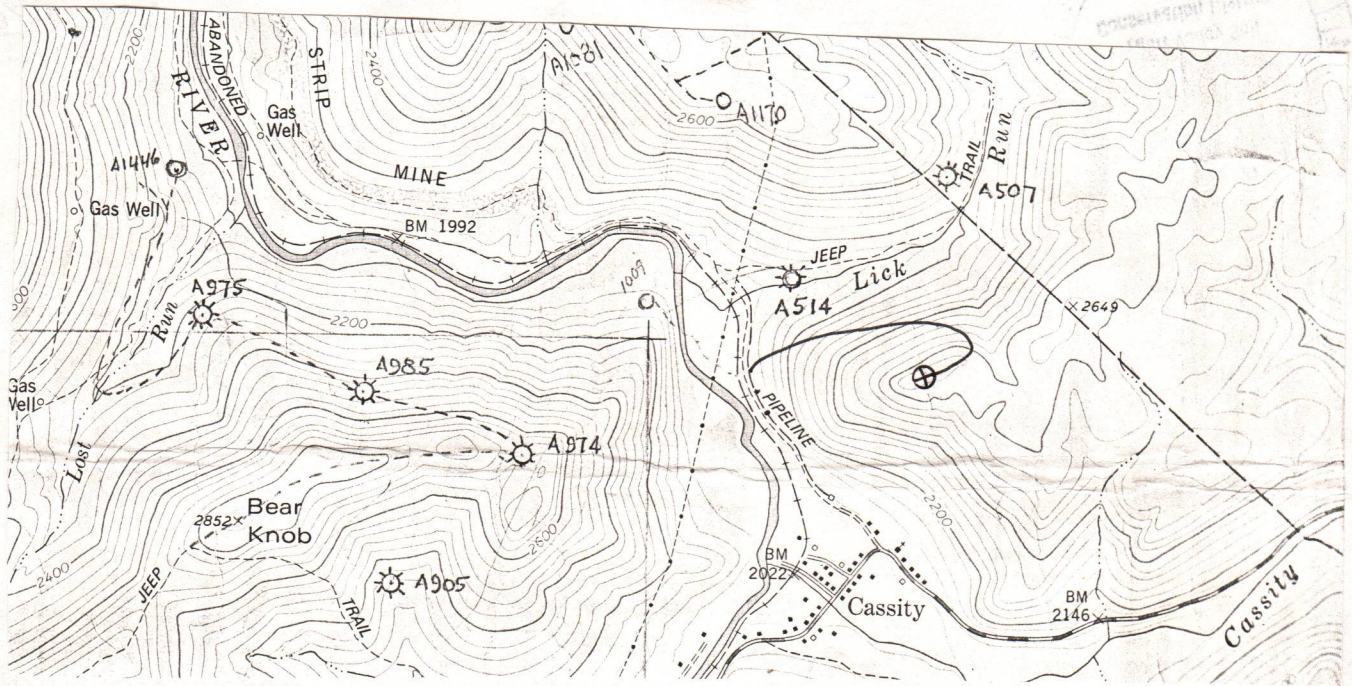
PLAN PREPARED BY [Signature] 08/25/2023

ADDRESS _____

PHONE NO. _____

LEGEND	
WELL SITE	
ACCESS ROAD	

Attach or photocopy section of involved topographic map
Quadrangle Cassidy 7.5' MIN.

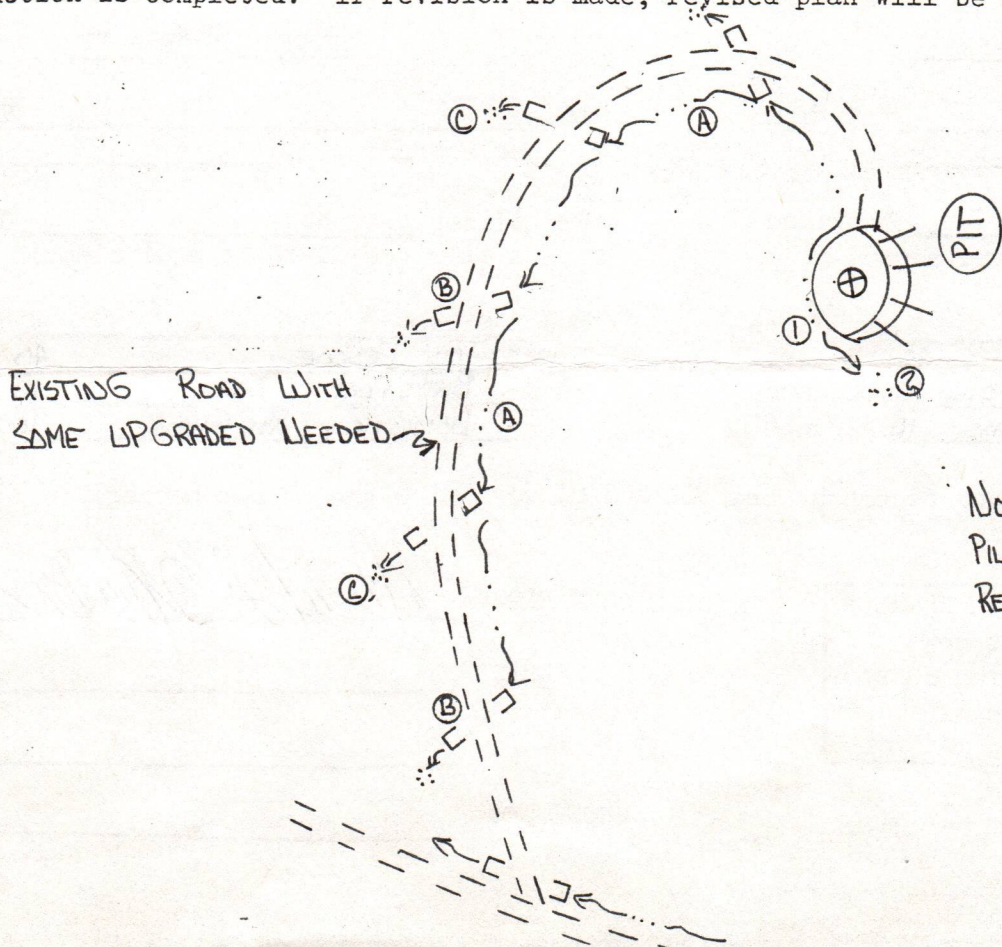


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND	
Property boundary	
Road	
Existing fence	
Planned fence	
Stream	
Open ditch	
Diversion	
Spring	
Wet Spot	
Building	
Drain pipe	
Waterway	

COMMENTS

Slope of access road 30 % -- Cuts to be on a 2:1 slope or less. Access road subject to change by company or landowner. All ditches and culverts will be maintained after construction is completed. If revision is made, revised plan will be submitted.



NOTE: TOP SOIL TO BE
PILED AND USED IN
RECLAMATION. 08/25/2023

1) Date: December 14, 19 83
2) Operator's Well No. A-1471 (McMullan)
3) API Well No. 47 - 083 - 0869
State County Permit

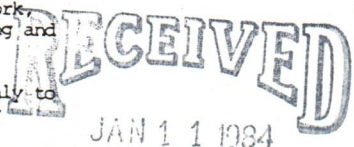
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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 N/A
Address
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name See Attached
Address
Name N/A
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.

& GAS DIVISION
DEPT. OF MINES

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.

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 14 day of December, 19 83.
My Commission expires Feb. 14, 19 89.
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

08/25/2023

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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
Goff-Arnold Land	Columbia Gas	1/8	272	449
Columbia Gas Transmission Co.	ALAMCO	1/8	Not Recorded	

08/25/2023

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 M. Cutright
Esther M. Richter
201 29th North
St. Petersburg, Florida 33713

Florence K. Hoback, M.D.
2658 Third Avenue
Huntington, West Virginia 25702

SURFACE OWNERSHIP

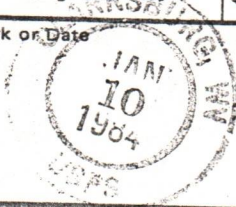
Westvaco
203 Randolph Avenue
Elkins, West Virginia 26241

ATTN: LAND DEPT.
 P 406 782 050
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Charles Philip Holtz	
1517 th Cornell Road	
Charleston, WV	25314
P.O., State and ZIP Code	
ALAMCO, INC.	
200 th W. Main Street	\$
P. O. Box 1740	
Clarksburg, WV	26302
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, Feb. 1982

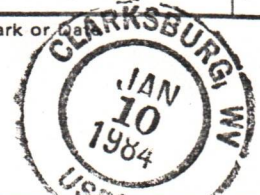


ATTN: LAND DEPT.
 P 406 782 049
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Florence K. Hoback, M.D.	
2658 th Third Avenue	
Huntington, WV	25702
P.O., State and ZIP Code	
ALAMCO, INC.	
200 th W. Main Street	\$
P. O. Box 1740	
Clarksburg, WV	26302
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, Feb. 1982



ATTN: LAND DEPT.
 P 406 782 040
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Esther M. Cutright	
c/o Esther M. Richter	
201 - 29th North	
St. Petersburg, Fla	33713
P.O., State and ZIP Code	
ALAMCO, INC.	
200 th W. Main Street	\$
P. O. Box 1740	
Clarksburg, WV	26302
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, Feb. 1982



ATTN: LAND DEPT.
 P 406 782 032
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Westvaco	
203 Randolph Avenue	
Elkins West Virginia	262
P.O., State and ZIP Code	
ALAMCO, INC.	
200 th W. Main Street	\$
P. O. Box 1740	
Clarksburg, WV	26302
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, Feb. 1982



RECEIVED
 JAN 11 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

08/25/2023

ATTN: LAND DEPT.

P 406 782 054

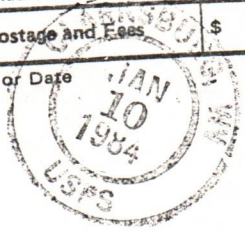
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Harry McMullan
Post Office	Box 8
P.O., State and Zip Code	Washington, NC 27889
Postage	\$
Certified Fee	\$
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	JAN 10 1984

PS Form 3800, Feb. 1982



ATTN: LAND DEPT.

P 406 782 059

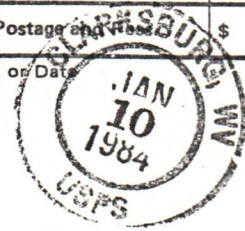
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Elizabeth Arnold Vilseck
Post Office	125 th Randolph Avenue
P.O., State and Zip Code	Elkins, West Virginia 26241
Postage	\$
Certified Fee	\$
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	JAN 10 1984

PS Form 3800, Feb. 1982



RECEIVED
JAN 11 1984

OIL & GAS DIVISION
DEPT. OF MINES

08/25/2023

RECEIVED

JUN 14 1984



STATE OF WEST VIRGINIA

OIL & GAS DIVISION DEPARTMENT OF MINES
DEPT. OF MINES OIL and GAS DIVISION

Date June 8, 1984
Operator's
Well No. A-1471
Farm McMullan
API No. 47 - 083 - 0869

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 2644' Watershed Middle Fork River
District: Middle Fork 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 26241

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

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

PERMIT ISSUED January 27, 1984

DRILLING COMMENCED April 16, 1984

DRILLING COMPLETED April 25, 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.
11-3/4"	21'	Pulled	
9 5/8"			
8 5/8"	975'	975'	to surface
7"			
5 1/2"			
4 1/2"	5105'	5105'	w/450 sks 2400'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk DEPTH 5350 FEET

Depth of completed well 5260 feet Rotary x / Cable Tools _____
Water Strata depth: Fresh 155 feet Salt _____ feet
Coal seam depth: 578-581, 805-808 Is coal being mined in this area? No

OPEN FLOW DATA

Producing formation 1st Elk, Balltown Pay zone depth See back feet
Gas: Initial open flow 9 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 984 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 2 hours

Static rock pressure 825 psig (surface measurement after 120 hours shut-in
(If applicable due to multiple completion--))

Second producing formation _____ Pay zone depth 08/25/2023 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)

RAWD 869

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

Well was fractured May 3, 1984
 Perforations: 2720 - 2727 Balltown
 4972 - 4976 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
Sand & Shale	0	578	1/4" stream water @ 155'
Coal	578	581	Gas check @ 1770' No show
Sand & Shale	581	805	Gas check @ 2265' No show
Coal	805	808	Gas check @ 2511' No show
Sand & Shale	808	992	Gas check @ 3004' No show
Red Rock & Shale	992	1023	Gas check @ 3467' 4 MCF/D
Sand & Shale	1023	1030	Gas check @ 3898' 4 MCF/D
Red Rock	1030	1035	Gas check @ 4453' 9 MCF/D
Sand & Shale	1035	1142	Gas check @ 4981' 9 MCF/D
Red Rock & Shale	1142	1210	Gas check @ 5260' 9 MCF/D
Sand & Shale	1210	1265	
Little Lime	1265	1272	<u>GAMMA RAY LOG TOPS</u>
Red Rock & Shale	1272	1359	
Big Lime	1359	1545	Pocono 1662'
Injun	1545	1665	Gordon Stray 1901'
Sand & Shale	1665	5260 T.D.	Gordon 2034' 4th Sand 2074' 4th A Sand 2191' 5th Sand 2271' Bayard 2321' Speechley 2381' Balltown 2712' Bradford 3251' Riley 3651' Benson 3780' Alexander 4324' 1st Elk 4969' 2nd Elk 5024' 3rd Elk 5185'

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By: Raymond P. Muz...
 Vice President Oil & Gas Operations

Date: June 8, 1984

08/25/2023

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 WELLS DIVISION

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OIL & GAS DIVISION
INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 83-869

Oil or Gas Well _____
(KIND)

Company Alanco

Address _____

Farm Neva Mc Mullin

Well No. 1471

District Millersburg County Randolph

Drilling commenced _____

Drilling completed _____ Total depth 195

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>175</u>	<u>175</u>	<u>300 Skirt</u>
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: _____

4-19-84
DATE

Philip Day 08/25/2023
DISTRICT WELL INSPECTOR



RECEIVED

FEB 19 1985

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
June 22, 1984

COMPANY Alamco, Inc.

PERMIT NO 083-0869

P. O. Drawer 1740

FARM & WELL NO Harry McMullan #A-1471

Clarksburg, West Virginia 26301

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 *Phillips Tracy*

DATE 2-11-85

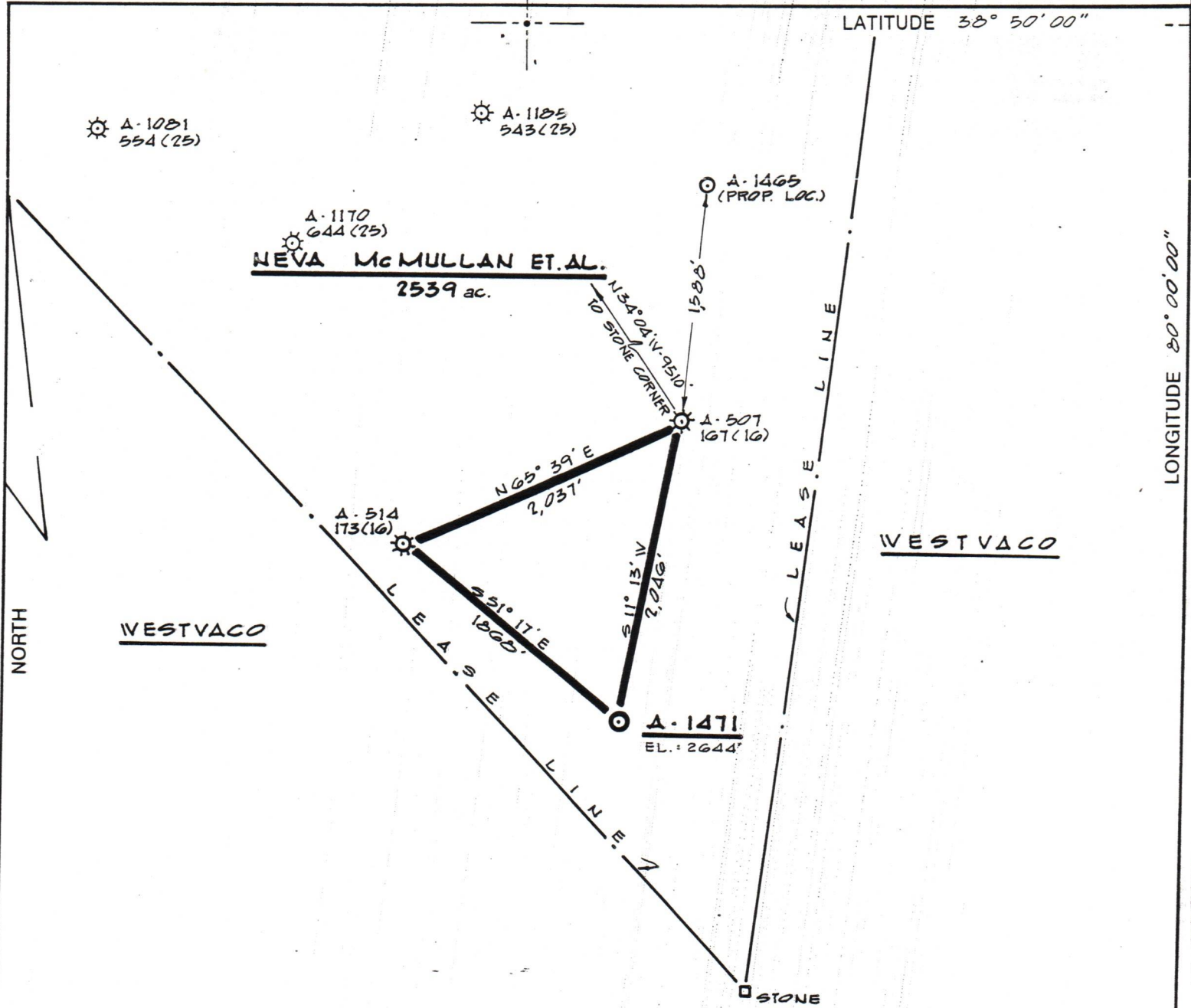
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T.H. r. B.B.

Administrator-Oil & Gas Division

Febrny 21, 1985

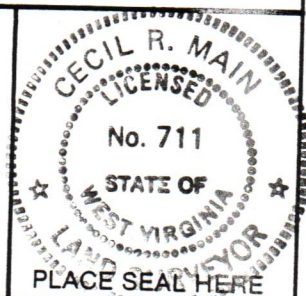
DATE



(+) 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 ALAMCO A-1185
API 543, ELEV.: 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 12-12, 1923
 OPERATOR'S WELL NO. A-1471
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 2644 WATER SHED MIDDLE FORK RIVER
 DISTRICT MIDDLE FORK COUNTY RANDOLPH
 QUADRANGLE CASSITY 7.5'

SURFACE OWNER WESTVACO ACREAGE 2539
 OIL & GAS ROYALTY OWNER NEVA McMULLAN ET. AL. LEASE ACREAGE 2539

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 5350'
 WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. BOX 1740 CLARKSBURG, W.V. 26302-1740 ADDRESS P.O. BOX 1740 CLARKSBURG W.V. 26302-1740

083 RAN. COUNTY NAME PERMIT

08/25/2023