



1) Date: August 4, 19 83
 2) Operator's Well No. A-1408 (McMullan)
 3) API Well No. 47 - 083 - 0815
 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: 3560' Watershed: Light Run
 District: Middle Fork County: Randolph Quadrangle: Adolph 7.5'
- 6) WELL OPERATOR ALAMCO 7) DESIGNATED AGENT Daniel L. Wheeler
 Address P.O. Box 1740 Address P.O. Drawer 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. Drawer 1740
Jane Lew, WV 26378 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, 5750 feet
- 13) Approximate trata depths: Fresh, -- feet; salt, 796 feet.
- 14) Approximate coal seam depths: none Is coal being mined in the area? Yes XX / No XX

RECEIVED
 AUG 17 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		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 15.01
Intermediate									
Production	4 1/2"		10.55#	x		5750'	5750'	Required by Rule 15.01	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0815

Date September 8, 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 September 8, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee
	<u>lo</u>	<u>lo</u>	<u>lo</u>	<u>24411</u>

BLANKET BOND

T. J. ...
 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



OFFICE USE ONLY

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

1) WELL LOCATION: B (If "Gas", Production) / Elevation: 2500' / District: Middle Fork / County: Randolph / Township: Abolus 7.5' / Waterbed: / Underground storage: / Depth: / Shallow: /

2) WELL OPERATOR: ALANCO / Address: P.O. Box 1740 / Clarkesburg, Wv 26301

3) DESIGNATED AGENT: Daniel J. Wheeler / Address: P.O. Drawer 1740 / Clarkesburg, Wv 26301

4) DRILLING CONTRACTOR: / Name: / Address: /

5) PROPOSED WELL WORK: / Drill: / Depth: /

6) GEOLOGICAL TARGET FORMATION: / Estimated depth of completed well: /

7) CASING AND TUBING PROGRAM: /

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

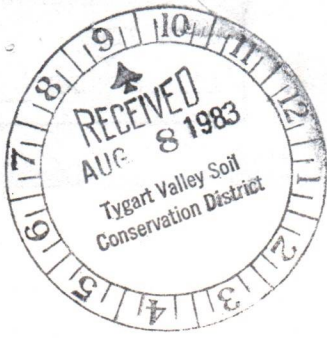
OTHER INSPECTIONS

Reason: _____

Reason: _____

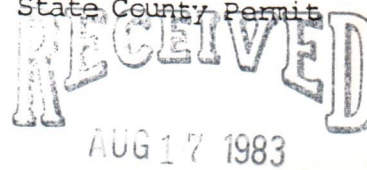


NOTE: Keep one copy of this permit posted at the drilling location.



State of West Virginia
Department of Mines
Oil and Gas Division

Date AUGUST 4, 1983
Well No. A1408
API No. 47 - 083 - 0815
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

OIL & GAS DIVISION
DEPT. OF MINES

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. 08/13/83 John Freeman
(Date) (SCD Agent)

ACCESS ROAD

LOCATION

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

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

Structure CULVERTS (B)
Spacing 16" I.D. (WHERE NEEDED)
Page Ref. Manual 2:5

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

Structure _____ (C)
Spacing _____
Page Ref. Manual _____

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

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
Seed* KENTUCKY 31 40 lbs/acre
DOMESTIC RYEGRASS 10 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre

Mulch Straw 2 Tons/acre
Seed* KENTUCKY 31 40 lbs/acre
DOMESTIC RYEGRASS 10 lbs/acre
BIRDSFOOT 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.

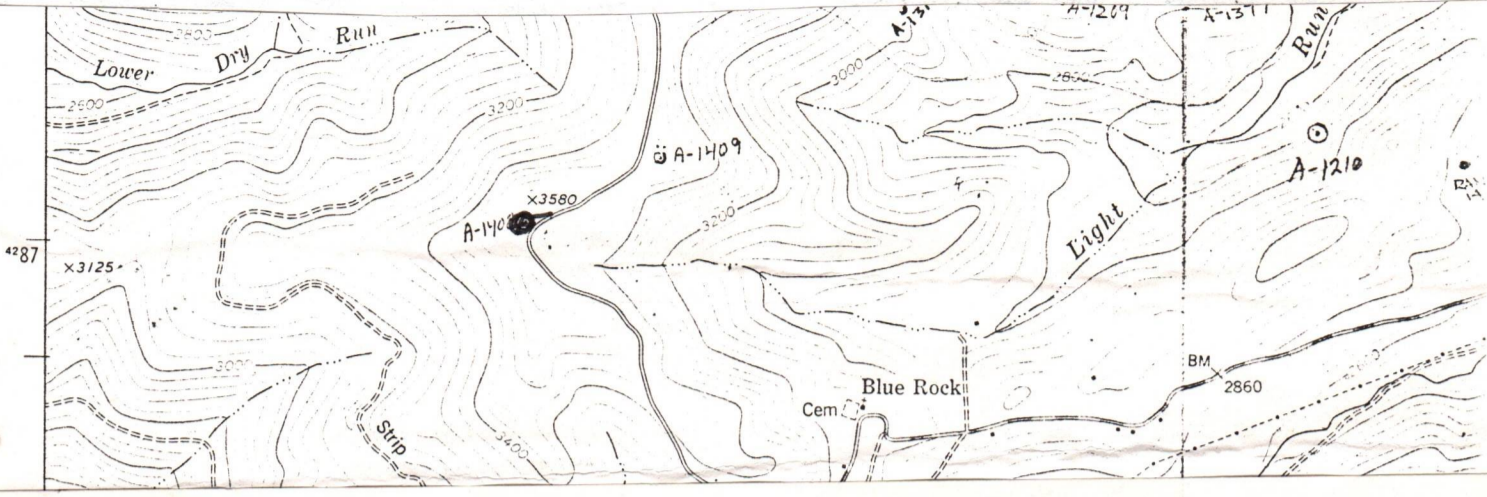
PLAN PREPARED BY ALAMCO
Daniel L. Wheeler

ADDRESS 200 West Main Street
Clarksburg, WV 26301

PHONE NO. (304) 623-6671

LEGEND
WELL SITE
ACCESS ROAD

Attach or photocopy section of involved topographic map
Quadrangle ADOLPH 7.5'



FORM IV-2(A)

1) Date: August 4, 1983
 2) Operator's Well No. A-1408 (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 n/a
 Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
 Name Harry McMullan
 Address P.O. Box 8
Washington, NC 27889
 Name Henry L. Davis c/o First PA Nat'l Bank
 Address Tower Center Square
Philadelphia, PA 19127

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:

- 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;
- The plat (surveyor's map) showing the well location on Form IV-6; and
- 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
 AUG 17 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 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? Yes No

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

OIL & GAS DIVISION
 DEPT. OF MINE

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 4th day of August, 1983.
 My commission expires Feb. 14, 1989.

Robin A. Cox
 Notary Public, HARRISON County,
 State of WEST VIRGINIA

WELL OPERATOR ALAMCO
 By Daniel L. Wheeler
 Its Daniel L. Wheeler, Vice-President
 Address P.O. Box 1740
Clarksburg, WV 26301
 Telephone 304 6236671

1) Date: August 4, 1983
 2) Operator's Well No. A-1408 (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

(i) Name
 Address

ATTN: LAND DEPT
 P 349 335 502
RECEIPT FOR CERTIFIED MAIL

(ii) Name
 Address

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

(iii) Name
 Address

SENT TO		Henry L. Davis	
STREET AND NO.		c/o First Pennsylvania Nat Bank	
P.O. STATE AND ZIP CODE		Tower Center Square	
POSTAGE		Philadelphia, PA 19127	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE		€
	SPECIAL DELIVERY		€
	RESTRICTED DELIVERY		€
	SHOW TO WHOM AND DATE DELIVERED		€
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		€
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		€	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		€	
TOTAL POSTAGE AND FEES			\$
POSTMARK OR DATE		AUG 18 1983	

5(i) COAL OPERATOR n/a
 Address

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name Harry McMullan
 Address P.O. Box 8
 Washington, NC 27889

Name Henry L. Davis c/o First PA Nat'l Bank
 Address Tower Center Square
 Philadelphia, PA 19127

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
 Name
 Address

You should have received this form and the following documents:

- 1) Work Permit on Form IV-2(B) (or Form IV-4 if the well is not the parties involved in the drilling or other work, its location and, if applicable, the proposed casing and
- 2) Showing the well location on Form IV-6; and
- 3) Erosion Control Plan on Form IV-9 (unless the well work is only to set the plan for erosion and sediment control and for d access road.

IT IS YOUR RESPONSIBILITY TO VERIFY THAT YOU HAVE RIGHTS REGARDING THE APPLICATION "NOTICES" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY

22 of the West Virginia Code, the undersigned well operator hereby certifies that this Notice and Application and accompanying documents were filed with the Administrator of the Office of Oil and Gas, West Virginia at a well at the location described on attached Application. Copies of this Notice, the Application, the plat, and the well work plan have been mailed by registered or certified mail or delivered (or by publication in certain circumstances) on or before the date of this application to the Administrator.

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

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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 4th day of August, 1983.
 My commission expires Feb. 14, 1989.

Notary Public, HARRISON County,
 State of WEST VIRGINIA

WELL OPERATOR ALAMCO

By Daniel L. Wheeler
 Its Daniel L. Wheeler, Vice-President
 Address P.O. Box 1740
 Clarksburg, WV 26301
 Telephone 304 6236671


1) Date: August 4, 1983
 2) Operator's Well No. A-1408 (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

(i) Name _____
 Address _____
 (ii) Name _____
 Address _____
 (iii) Name _____
 Address _____

ATTN: LAND DEPT.
 P 349 335 500
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO		<u>Harry McMullan;</u>	
STREET AND NO.		<u>P. O. Box 8</u>	
CITY, STATE AND ZIP CODE		<u>Washington, North Carolina 27889</u>	
POSTAGE	\$		
CERTIFIED FEE	¢		
SPECIAL DELIVERY	¢		
RESTRICTED DELIVERY	¢		
OPTIONAL SERVICES			
RETURN RECEIPT SERVICE			
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY			
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY			
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY			
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE			

ALAMCO INC.
 200 W. Main Street
 P. O. Box 1740
 Clarksburg, WV 26302

5(i) COAL OPERATOR n/a
 Address _____
 5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name Harry McMullan
 Address P.O. Box 8
Washington, NC 27889
 Name Henry L. Davis c/o First PA Nat'l Bank
 Address Tower Center Square
Philadelphia, PA 19127
 5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____

8071-A
 I have received this Form and the following documents:
 X Permit on Form IV-2(B) (or Form IV-4 if the well is the parties involved in the drilling or other work, location and, if applicable, the proposed casing and casing the well location on Form IV-6; and
 on Plan on Form IV-9 (unless the well work is only the plan for erosion and sediment control and for access road.
 COMMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION INS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION R YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY
 of the West Virginia Code, the undersigned well cophis Notice and Application and accompanying documents rator of the Office of Oil and Gas, West Virginia well at the location described on attached Application copies of this Notice, the Application, the plat, and the been mailed by registered or certified mail or delivered or by publication in certain circumstances) on or to the Administrator.

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? Yes (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 4th day of August, 1983.
 My commission expires Feb. 14, 1989.
Robin A. Con
 Notary Public, HARRISON County,
 State of WEST VIRGINIA

WELL OPERATOR ALAMCO
 By Daniel L. Wheeler
 Its Daniel L. Wheeler, Vice-President
 Address P.O. Box 1740
Clarksburg, WV 26301
 Telephone 304 6236671

1) Date: August 4, 1983
2) Operator's Well No. A-1408 (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

ATTN: LAND DEPT.
P 349 335 505
RECEIPT FOR CERTIFIED MAIL

ED

5(i) COAL OPERATOR n/a
Address

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Harry McMullan
Address P.O. Box 8

Washington, NC 27889
Name Henry L. Davis c/o First PA Nat'l Bank
Address Tower Center Square
Philadelphia, PA 19127

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

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Work Permit on Form IV-2(B) (or Form IV-4 if the well is at the parties involved in the drilling or other work, its location and, if applicable, the proposed casing and

showing the well location on Form IV-6; and
Erosion and Sediment Control Plan on Form IV-9 (unless the well work is only to install the plan for erosion and sediment control and for access road.

DECLARATION IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION "NOTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY

Section 22-4-1 of the West Virginia Code, the undersigned well operator hereby certifies that this Notice and Application and accompanying documents are true and correct copies of the original documents filed with the Administrator of the Office of Oil and Gas, West Virginia at a well at the location described on attached Application. Copies of this Notice, the Application, the plat, and the permit have been mailed by registered or certified mail or delivered (or by publication in certain circumstances) on or before the date of this application to the Administrator.

- (i) 1
- (ii) 1
- (iii) 1

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

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

POSTAGE	\$
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED	¢
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	\$

PS Form 3800, Apr. 1976



CONSULTANT SERVICES RETURN RECEIPT SERVICE

CLARKSBURG, WV 26302

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? Yes 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 day of August, 1983.
My commission expires Feb. 14, 1989.

Notary Public, HARRISON County,
State of WEST VIRGINIA

WELL OPERATOR ALAMCO

By Daniel L. Wheeler
Its Daniel L. Wheeler, Vice-President
Address P.O. Box 1740
Clarksburg, WV 26301
Telephone 304 6236671



Date January 4, 1984
 Operator's _____
 Well No. A-1408
 Farm McMullen
 API No. 47 - 083 - 0815

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES

OIL and GAS DIVISION

WELL OPERATOR'S REPORT
 OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

RECEIVED
 JAN 11 1984

OIL & GAS DIVISION

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

LOCATION: Elevation: 3560' Watershed Light Run
 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 Ave., Elkins, WV

MINERAL RIGHTS OWNER Neva McMullen
 ADDRESS P.O. Box 8, Washington, N.C. 27889

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

PERMIT ISSUED September 8, 1983

DRILLING COMMENCED October 23, 1983

DRILLING COMPLETED October 30, 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"	1205'	1205'	to surface
7"			
5 1/2"			
4 1/2"	5559'	5559'	w/260 sks 3900'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk DEPTH 5750 FEET

Depth of completed well 5810 feet Rotary x / Cable Tools _____
 Water Strata depth: Fresh 130 feet Salt _____ feet
 Coal seam depth: 133-136', 509-515', 768-772' Is coal being mined in this area? _____

OPEN FLOW DATA

Producing formation Elk, Alexander, Benson Pay zone depth (see back) _____ feet
 Gas: Initial open flow 146 Mcf/d Oil: Initial open flow _____ Bbl/d
 Final open flow 875 Mcf/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 2 hours

Static rock pressure 1050 psig (surface measurement after 47 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)

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

Well was fractured November 8, 1983
 Perforations: 4211 - 4215 5445 - 5447
 4247 - 4251 Benson 5453 - 5455
 5457 - 5459
 4805 - 4808 5460 - 5463 Elk
 4820 - 4822 Alexander

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	Damp @ 130'
Sand & Shale	5	133	Gas check @ 1788' No show
Coal	133	136	Gas check @ 1947' 179 MCF/D
Sand & Shale	136	509	Gas check @ 2103' 189 MCF/D
Coal	509	515	Gas check @ 2198' 103 MCF/D
Sand & Shale	515	768	Gas check @ 2512' 84 MCF/D
Coal	768	772	Gas check @ 2670' 179 MCF/D
Sand & Shale	772	1285	Gas check @ 2826' 179 MCF/D
Red Rock	1285	1662	Gas check @ 3047' 231 MCF/D
Sand & Shale	1662	1720	Gas check @ 3204' 189 MCF/D
Little Lime	1720	1876	Gas check @ 3425' 198 MCF/D
Shale	1876	1883	Gas check @ 4083' 133 MCF/D
Big Lime	1883	1980	Gas check @ 4303' 119 MCF/D
Red Rock	1980	2030	Gas check @ 4742' 133 MCF/D
Injun	2030	2065	Gas check @ 5025' 146 MCF/D
Sand & Shale	2065	2417	Gas check @ 5498' 189 MCF/D
Gordon	2417	2544	Gas check @ 5810' 146 MCF/D
4th Sand	2544	2626	
Sand & Shale	2626	2716	
5th Sand	2716	2795	
Sand & Shale	2795	3174	
Speechley	3174	3204	
Sand & Shale	3204	3425	
Balltown	3425	3505	
Shale	3505	4089	
Riley	4089	4302	
Benson	4302	4420	
Shale	4420	5435	
1st Elk	5435	5497	
Shale	5497	5810 T.D.	

(Attach separate sheets as necessary)

ALAMCO, Inc.

Well Operator

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

Date: January 4, 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

RECEIVED
NOV 1 - 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 083-815

Oil or Gas Well _____
(KIND)

Company Alanco

Address _____

Farm Harry McMullan

Well No. F-1408

District Middle Fork County Randolph

Drilling commenced _____

Drilling completed _____ Total depth 1230

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>1204</u>	<u>1204</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: Run 1204-8 5/8

Oct. 26, 83
DATE

Phillip Tracy
DISTRICT WELL INSPECTOR

Form 20
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR



RECEIVED

JUL 17 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
January 17, 1984

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

PERMIT NO 083-0815 8/83
FARM & WELL NO McMullen, #A-1408
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 Inoj
DATE 7-3-84

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

TMS/rls

July 23, 1984

DATE

9-2-95

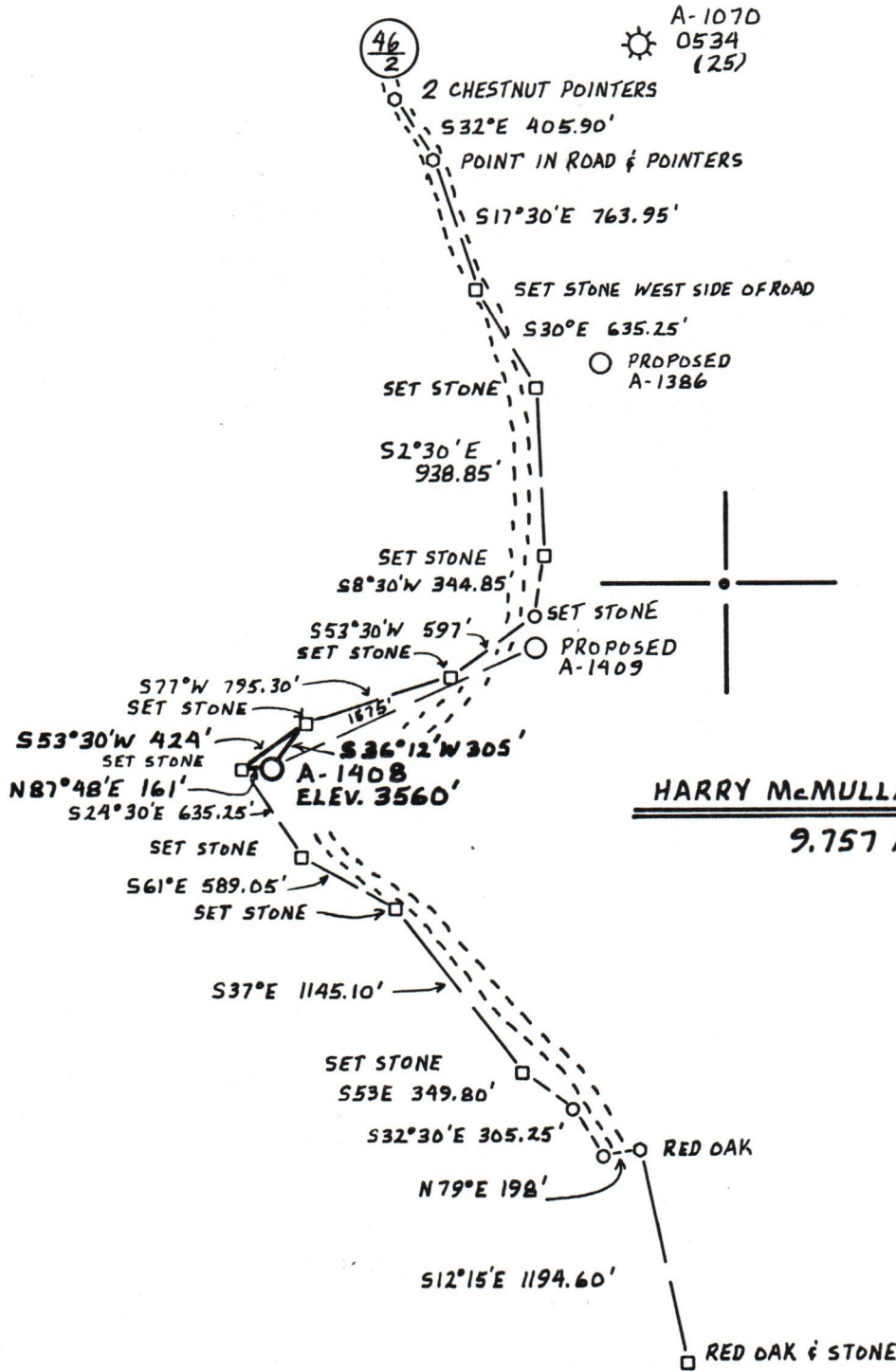
6,900'

LATITUDE 38°45'00"

LONGITUDE 80°05'00"

6,975'

NORTH



HARRY McMULLAN, Jr. ESTATE

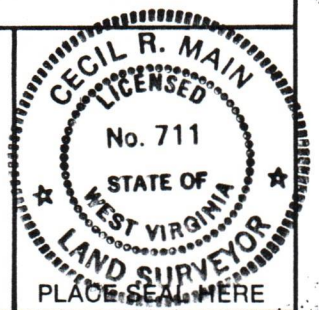
9.757 Acres

(+) 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 BM 1000' ± SW OF CEMETARY AT BLUE ROCK
 ELEV. 3220'

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 AUGUST 3, 1983
 OPERATOR'S WELL NO. A-1408
 API WELL NO. _____

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 3560' WATERSHED LIGHT RUN
 DISTRICT MIDDLE FORK COUNTY RANDOLPH
 QUADRANGLE ADOLPH 7.5'

SURFACE OWNER WESTVACO ACREAGE 9.757 Ac.
 OIL & GAS ROYALTY OWNER HARRY McMULLAN, Jr. ESTATE LEASE ACREAGE 9.757 Ac.
 LEASE NO. 2126

PROPOSED WORK: DRILL 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 5,750'
 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

083 RANDOLPH
 COUNTY NAME
 815
 PERMIT

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

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 this section hold interests in such l
- 5(i) "Coal Operat
corporat
- 5(ii, iii) See Code
- 6) See Code
tinuing c
provided
- 7) See Code

CONCERNING THE REC

Filing. Code copies of the panied by (i) the forms pres by Code § 22-4-23, (iv) unless and 22-3-12a, owner of any w

Service. In a with an intere

IN Under the I depose and s

- (1) the tract applies, p Constructi
- (2) the partie contract(s) the oil or

Grant

ATTN: LAND DEPT
P 349 335 499

RECEIPT FOR CERTIFIED MAIL

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

SENT TO		WESTVACO	
STREET AND NO.		203 Randolph Avenue	
P.O., STATE AND ZIP CODE		Elkins, West Virginia 26241	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE		€
	SPECIAL DELIVERY		€
	RESTRICTED DELIVERY		€
	SHOW TO WHOM AND DATE DELIVERED		€
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		€
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		€	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		€	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE		APR 18 1973	

ALAMCO RECEIVED
POST OFFICE
ELKINS, WV 26302

PS Form 3800, Apr. 1976

Partnership association or ne.

lease(s) or other con-
formation in the space

original and required Administrator, accom-
, (ii) a bond in one of
the other security allowed
22-4-12b and Regulation
required by Code § 22-4-1a(c)
Code § 22-4-8a from the
proposed well.

owner(s) and the person(s)
2, 22-4-2a, and 22-4-2b.

11(d)

CONTRACT(S)

the obverse side of this Notice,
for the Applicant, and that—
plication to which this Notice
plat, and described in the

e(s) or other continuing
extract, produce or market

Royalty Book Page

Lease dated May 1, 1973
Harry McMullan, etal unto Columbia Gas

1/8 B-283 P-408

Columbia Gas assigned to ALAMCO

(not recorded)

1) Date: August 4, 1983
2) Operator's Well No. A-1408 (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 n/a
Address

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Harry McMullan
Address P.O. Box 8
Washington, NC 27889
Name Henry L. Davis c/o First PA Nat'l Bank
Address Tower Center Square
Philadelphia, PA 19127

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.

RECEIVED
AUG 17 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 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? Yes 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 MINES

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 4th day of August, 1983.
My commission expires Feb. 14, 1989.

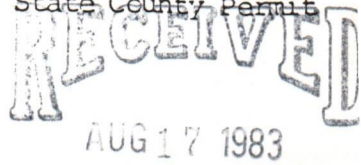
Notary Public, HARRISON County,
State of WEST VIRGINIA

WELL OPERATOR ALAMCO
By Daniel L. Wheeler
Its Daniel L. Wheeler, Vice-President
Address P.O. Box 1740
Clarksburg, WV 26301
Telephone 304 6236671



State of West Virginia
Department of Mines
Oil and Gas Division

Date August 4, 1983
Well No. A1408
API No. 47 - 083 - 0815
State County Permit



CONSTRUCTION AND RECLAMATION PLAN

OIL & GAS DIVISION
DEPT. OF MINES

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. 08/13/83 (Date) John Freeman (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 _____ (C)
Spacing _____
Page Ref. Manual _____

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

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
Seed* KENTUCKY 31 40 lbs/acre
DOMESTIC RYEGRASS 10 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre

Mulch Straw 2 Tons/acre
Seed* KENTUCKY 31 40 lbs/acre
DOMESTIC RYEGRASS 10 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre

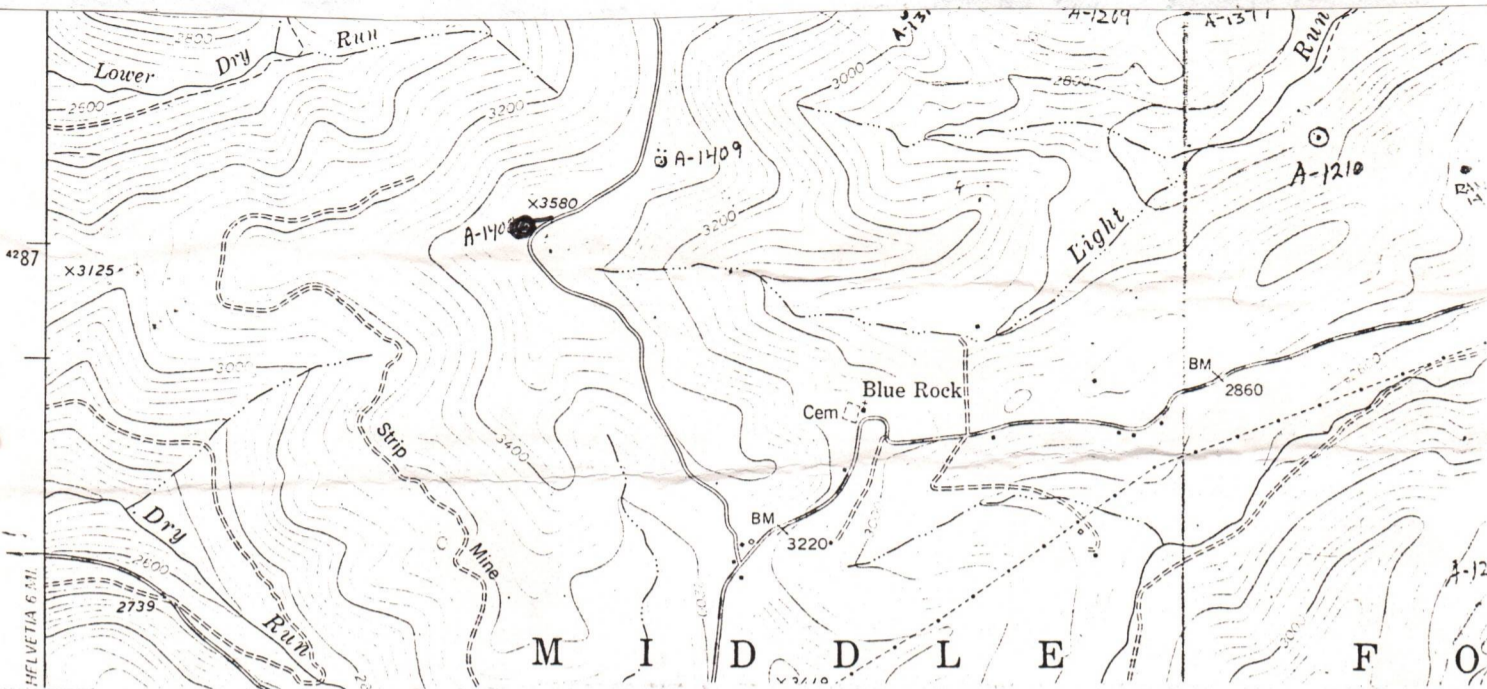
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

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

ALAMCO
PLAN PREPARED BY Daniel L. Wheeler
ADDRESS 200 West Main Street
Clarksburg, WV 26301
PHONE NO. (304) 623-6671

LEGEND	
WELL SITE	⊙
ACCESS ROAD	══

Attach or photocopy section of
involved topographic map
Quadrangle ADOLPH 7.5'



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	—x—x—
Planned fence	—/—/—
Stream	~...~...~...~
Open ditch	—...> —...> —...>
Diversion	══
Spring	⊙→
Wet Spot	⊙
Building	■
Drain pipe	—○→ —○→ —○→
Waterway	←══

COMMENTS

Slope of access road 4 % -- 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.

