



1) Date: August 16, 19 83
 2) Operator's Well No. A-1370
 3) API Well No. 47 - 083 - 0817
 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: 2564' Watershed: Flatbush Fork
 District: Roaring Creek County: Randolph Quadrangle: Cassity 7.5'
- 6) WELL OPERATOR Alamco 7) DESIGNATED AGENT Daniel L. Wheeler
 Address P. C. Drawer 1740 Address P. O. Drawer 1740
Clarksburg, West Virginia 26301 Clarksburg, West Virginia 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, West Virginia 26378 Clarksburg, West Virginia 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, 5150 feet
- 13) Approximate trata depths: Fresh, 14' feet; salt, XX feet.
- 14) Approximate coal seam depths: 183-277 336-340 Is coal being mined in the area? Yes XX

RECEIVED
 AUG 23 1983
 OIL & GAS DIVISION
 DEPT. OF MINE

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		Top	Bottom
Conductor	20"				X	20'	20'	cement to surface		
Fresh water										
Coal	8-5/8"		20#	X		700'	700'	cement to surface		By Rule 15.05
Intermediate										
Production	4-1/2"		10.55	X		5150'	5150'	Req. by Rule 15.01	Depths set	
Tubing										
Liners									Perforations:	

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0817 Date September 12, 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 12, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
BLANKET BOND	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<u>145.33</u>

[Signature: Michael J. Lewis]
 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: 2594'; District: Roanoke; County: Kanawha; Understrata: Shallow

2) WELL OPERATOR: Address: E. O. Drawer 1740, Clarksville, West Virginia 26301

3) DESIGNATED AGENT: Daniel B. Wheeler, Address: P. O. Drawer 1740, Clarksville, West Virginia 26301

4) DRILLING CONTRACTOR: Development Drilling, Address: E. O. Drawer 1740, Clarksville, West Virginia 26301

5) PROPOSED WELL WORK: Dbl XX; Depth: 2150'; Plug old formation; Other physical change in well (specify):

6) GEOLOGICAL TARGET FORMATION: Estimated depth of completed well: 2150'; Approximate data depths: Fresh: 14'; Approximate coal seam depths: I83-217, 338-340

7) CASING AND TUBING PROGRAM: Casing type: Production; Size: 4-1/2"; Weight: 10.50; Interval: 5150' - 5250'; Cement to surface: Cement to surface

OFFICE USE ONLY

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

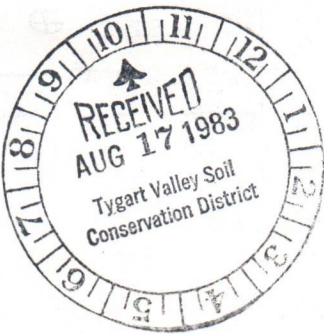
Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

OTHER INSPECTIONS

Reason: _____

Reason: _____

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



State of West Virginia
Department of Mines
Oil and Gas Division

Date AUGUST 11, 1983
Well No. A 1370
API No. 47 - 083 - 0817
State County Permit

CONSTRUCTION AND RECLAMATION PLAN

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

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

Revegetation to be carried out by ALAMCO (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan. 8/20/83 (Date) John Freeman (SCD Agent)

ACCESS ROAD

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

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

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

LOCATION

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

Structure RIPRAP
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

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
BIRDSFOOT TREFOIL 10 lbs/acre

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
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 Daniel L. Wheeler

ADDRESS 200 West Main Street

Clarksburg, West Virginia 26301

PHONE NO. (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.

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>
Lease dated July 30, 1971				
Goff-Arnold Land Company	unto Manufacturers Light and Heat (Columbia)	1/8	272	449
Columbia Gas	unto Allegheny Land and Mineral Company (Alamco)		Not recorded	

1) Date: August 16, 1983
2) Operator's Well No. A-1370
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, West Virginia 26452
(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 _____

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? 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 16th day of August, 1983.
My commission expires Feb. 14, 1989.

Edwin D. 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

Coal, Oil & Gas Ownership

Neva S. McMullan
P. O. Box 8
Washington, N. C.

Elizabeth Arnold Vilseck
125 Randolph Avenue
Elkins, West Virginia

Rebecca Arnold Holz
125 Randolph Avenue
Elkins, West Virginia

Florence K. Hoback
2653 Third Avenue
Huntington, West Virginia

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

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

RECEIVED
AUG 23 1983

OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED

AUG 23 1983

A-1369, A-1370

COAL & GAS DIVISION
DEPT. OF MINES

A-1369, A-1370
P 349 335 734
RECEIPT FOR CERTIFIED MAIL

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

SENT TO	
Neva S. McMullan	
STREET AND NO.	
P. O. Box 8	
P.O., STATE AND ZIP CODE	
Washington, N. C.	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE	
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	

PS Form 3800, Apr. 1976

A-1369, A-1370
P 349 335 728
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, WV 26452	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE	
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	

PS Form 3800, Apr. 1976

A-1369 & A-1370
P 349 335 730
RECEIPT FOR CERTIFIED MAIL

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

SENT TO	
Rebecca Arnold Holz	
STREET AND NO.	
125 Randolph Avenue	
P.O., STATE AND ZIP CODE	
Elkins, WV	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE	
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	

PS Form 3800, Apr. 1976

A-1369, A-1370
P 349 335 729
RECEIPT FOR CERTIFIED MAIL

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

SENT TO	
Elizabeth Arnold Vilseck	
STREET AND NO.	
125 Randolph Avenue	
P.O., STATE AND ZIP CODE	
Elkins, WV	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE	
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	

PS Form 3800, Apr. 1976

A-1369, A-1370
P 349 335 731
RECEIPT FOR CERTIFIED MAIL

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

SENT TO	
Florence K. Hoback	
STREET AND NO.	
2853 7th Avenue	
P.O., STATE AND ZIP CODE	
Huntington, WV	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE	
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	

PS Form 3800, Apr. 1976

A-1369, A-1370
P 349 335 732
RECEIPT FOR CERTIFIED MAIL

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

SENT TO	
Esther M. Richter	
STREET AND NO.	
204 29th North	
P.O., STATE AND ZIP CODE	
St. Petersburg, Florida	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE	
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	

PS Form 3800, Apr. 1976

RECEIVED
JAN 12 1984



Date December 30, 1983
Operator's
Well No. A-1370
Farm McMullen
API No. 47 - 083 - 0817

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT 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: 2564' Watershed Flatbush Fork
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
203 Randolph Ave., Elkins, WV
ADDRESS

MINERAL RIGHTS OWNER Neva McMullan, et al
P.O. Box 8, Washington, N.D. 27889
ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart
ADDRESS P.O.Box 345, Jane Lew, WV 26378

PERMIT ISSUED September 12, 1983

DRILLING COMMENCED October 8, 1983

DRILLING COMPLETED October 15, 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"	832'	832'	to surface
7"			
5 1/2"			
4 1/2"	5182'	5182'	w/705 sks 1900'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMAION Elk DEPTH 5150 FEET

Depth of completed well 5250 feet Rotary x / Cable Tools _____
Water Strata depth: Fresh 65 feet Salt _____ feet
Coal seam depth: 48-53', 57-65', 447-450', 530-534' Is coal being mined in this area? _____

OPEN FLOW DATA

Producing formation 1st&2nd Elk, Benson-Riley, Balltown Pay zone depth See Back feet
Gas: Initial open flow 24 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 582 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 2 hours

Static rock pressure 800 psig (surface measurement after 72 hours shut-in
(If applicable due to multiple completion--)

Second producing formaiton _____ Pay zone dpeth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut-in

(continue on reverse side)

RAND 817

RECEIVED
DEPT. OF MINES
OIL & GAS DIVISION

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

Well was fractured October 26, 1983
 Perforations: 2744 - 2760 Balltown 4963 - 4966
 4968 - 4969
 3493 - 3496 5034 - 5036
 3581 - 3582 5057 - 5058 1st & 2nd Elk
 3584 - 3586
 3712 - 3714
 3716 - 3718 Benson-Riley

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	28	1/4" stream water @ 65'
Sand & Shale	28	48	Gas check @ 1286' No show
Coal	48	53	Gas check @ 1706' No show
Sand	53	57	Gas check @ 2095' No show
Coal	57	65	Gas check @ 2304' 189 MCF/D
Sand & Shale	65	447	Gas check @ 2511' 94 MCF/D
Coal	447	450	Gas check @ 2788' 39 MCF/D
Sand & Shale	450	530	Gas check @ 3218' 30 MCF/D
Coal	530	534	Gas check @ 3637' 37 MCF/D
Sand & Shale	534	863	Gas check @ 3811' 33 MCF/D
Red Rock & Shale	863	1042	Gas check @ 4438' 21 MCF/D
Sand & Shale	1042	1087	Gas check @ 4828' 26 MCF/D
Red Rock	1087	1267	Gas check @ 5188' 39 MCF/D
Little Lime	1267	1275	Gas check @ 5250' 24 MCF/D
Sand & Shale	1275	1334	
Big Lime	1334	1493	
Injun	1493	1563	
Sand & Shale	1563	1753	
Gordon	1753	1770	
Sand & Shale	1770	2432	
Speechley	2432	2439	
Shale	2439	2734	
Balltown	2734	2768	
Shale	2768	3580	
Riley	3580	3599	
Shale	3599	3755	
Benson	3755	3780	
Shale	3780	4153	
Alexander	4153	4400	
Shale	4400	4970	
1st Elk	4970	5130	
Shale	5130	5250 T.D.	

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

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

Date: December 30, 1983

Note: Regulation 2.02 (i) provides as follows
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



RECEIVED

NOV 26 1984

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
January 17, 1984

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

PERMIT NO 083-0817
FARM & WELL NO McMullen, #A-1370
DIST. & COUNTY Roaring Creek/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		

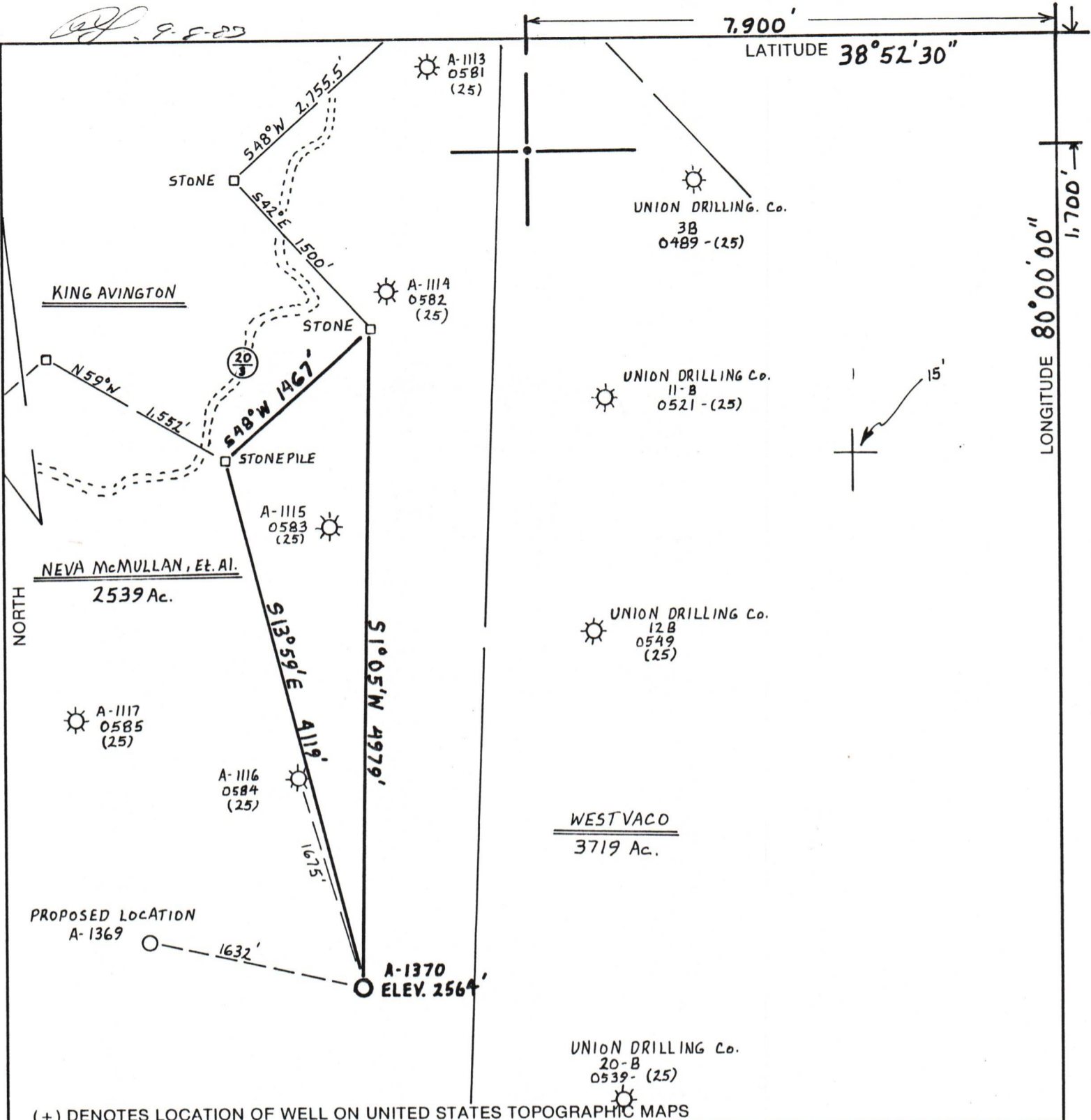
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Philip Tracy
DATE 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 10, 1985
DATE



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ALAMCO WELL #A-1116
API 0584 ELEV. 2538'

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 11, 1983
 OPERATOR'S WELL NO. A-1370
 API WELL NO. 47-083-0817
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2564' WATERSHED FLATBUSH FORK
 DISTRICT ROARING CREEK COUNTY RANDOLPH
 QUADRANGLE CASSITY 7.5'

SURFACE OWNER WESTVACO ACREAGE 2539 Ac.
 OIL & GAS ROYALTY OWNER NEVA McMULLAN, ET. AL. LEASE ACREAGE 2539 Ac.
 LEASE NO. 2125'

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 5150'
 WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. Box 1740; CLARKSBURG, WEST VIRGINIA 26302-1740 ADDRESS P.O. Box 1740; CLARKSBURG, WEST VIRGINIA 26302-1740

083 RANDOLPH COUNTY NAME PERMIT 0817

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