



1) Date: August 19, 1983  
 2) Operator's Well No. A-1369 (McMullan)  
 3) API Well No. 47 - 083 - 0818  
 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 XXX / Gas XXX /  
 B (If "Gas", Production      / Underground storage      / Deep      / Shallow XXX /)
- 5) LOCATION: Elevation: 2509 Watershed: Flatbush Fork  
 District: Roaring Creek County: Randolph Quadrangle: Cassity 7.5'
- 6) WELL OPERATOR Alamco  
 Address P. O. Drawer 1740  
Clarksburg, West Virginia 26301
- 7) DESIGNATED AGENT Daniel L. Wheeler  
 Address P. O. Drawer 1740  
Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Robert Stewart  
 Address P. O. Box 345  
Jane Lew, West Virginia 26378
- 9) DRILLING CONTRACTOR:  
 Name Development Drilling  
 Address P. O. Drawer 1740  
Clarksburg, WV 26301
- 10) PROPOSED WELL WORK: Drill xxx / 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, 5100' feet  
 13) Approximate strata depths: Fresh, 138 feet; salt,      feet.  
 14) Approximate coal seam depths: 128-222 281-285 Is coal being mined in the area? Yes      No XXX
- 15) CASING AND TUBING PROGRAM

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 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	
Fresh water									
Coal	8-5/8"		20#	X		700'	700'	cement to surface	By Rule 15.05
Intermediate									
Production	4-1/2"		10.50#	X		5100'	5100'	Req. by Rule 15.01	
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-083-0818

Date September 12, 1983

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: <b>BLANKET BOND</b>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>24533</u>
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Michael Lewis  
 Administrator, Office of Oil and Gas

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

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.



OFFICE USE ONLY

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

1) LOCATION: District: Roanoke County; Elevation: 2500; Well No: 1740; Operator: P.O. Drawer 1740, Clarkburg, West Virginia 26301

2) DESIGNATED AGENT: Name: Daniel J. Wheeler; Address: P.O. Drawer 1740, Clarkburg, WV 26301

3) DRILLING CONTRACTOR: Name: Development Drilling; Address: P.O. Drawer 1740, Clarkburg, WV 26301

4) PROPOSED WELL WORK: Other physical change in well (specify): \_\_\_\_\_; Plug off old formation: \_\_\_\_\_; Perforate new formation: \_\_\_\_\_

5) GEOLOGICAL TARGET FORMATION: Estimated depth of completed well: 2100'; Approximate true depth: 138'; Approximate coal seam depth: 128-222'; Is coal being mined in the area: Yes

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AUG 23 1983  
OIL & GAS DIVISION  
DEPT. OF MINES

Casing or Tubing Type	Size	Grade	Specifications		Footage in Well	Perforations	Packers
			Weight per Ft.	Wall Thickness			
Production	4-1/2"		20#	0.1875"	2100'		
Information	8-5/8"		20#	0.1875"	700'		
Flow	10"		20#	0.1875"	20'		

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

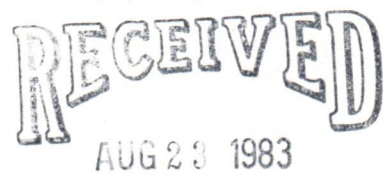
Reason: \_\_\_\_\_

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



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date AUGUST 10, 1983  
Well No. A-1369  
API No. 47-083-0818  
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 Jean Freeman (Date) (SCD Agent)

ACCESS ROAD		LOCATION	
Structure <u>Drainage Ditch</u> (A)	Spacing <u>Earthen</u>	Structure <u>DRAINAGE Ditch</u> (1)	Material <u>Earthen</u>
Page Ref. Manual <u>2:12</u>		Page Ref. Manual <u>2:12</u>	
Structure <u>CULVERTS</u> (B)	Spacing <u>16" I.D. (WHERE NEEDED)</u>	Structure <u>RIDGEP</u> (2)	Material <u>ROCK</u>
Page Ref. Manual <u>2:5</u>		Page Ref. Manual <u>N/A</u>	
Structure <u>Ridgop</u> (C)	Spacing <u>Rock</u>	Structure _____ (3)	Material _____
Page Ref. Manual <u>N/A</u>		Page Ref. Manual _____	

All structures should be inspected regularly and repaired if necessary. All commercial timber to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins.

REVEGETATION

TREATMENT AREA I

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.

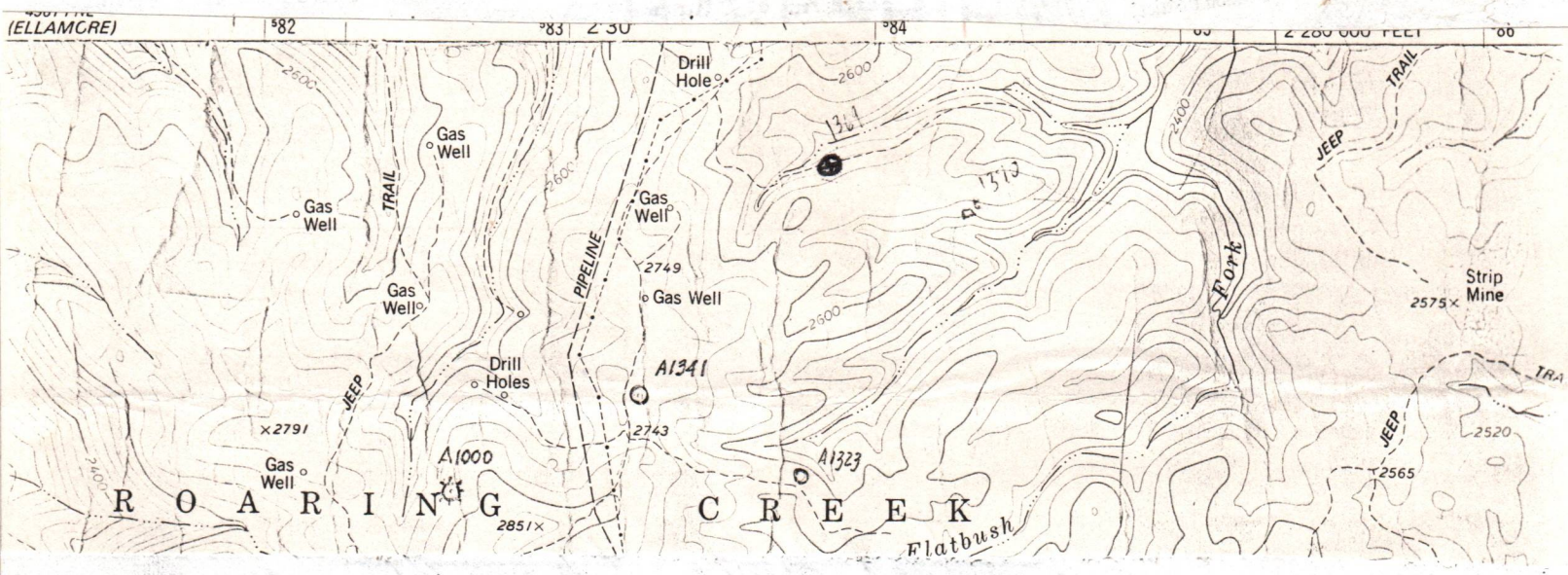
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

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

IV-9 Reverse  
(REV 8-81)

Attach or photocopy section of  
involved topographic map  
Quadrangle CASITY 7.5

LEGEND	
WELL SITE	⊕
ACCESS ROAD	—

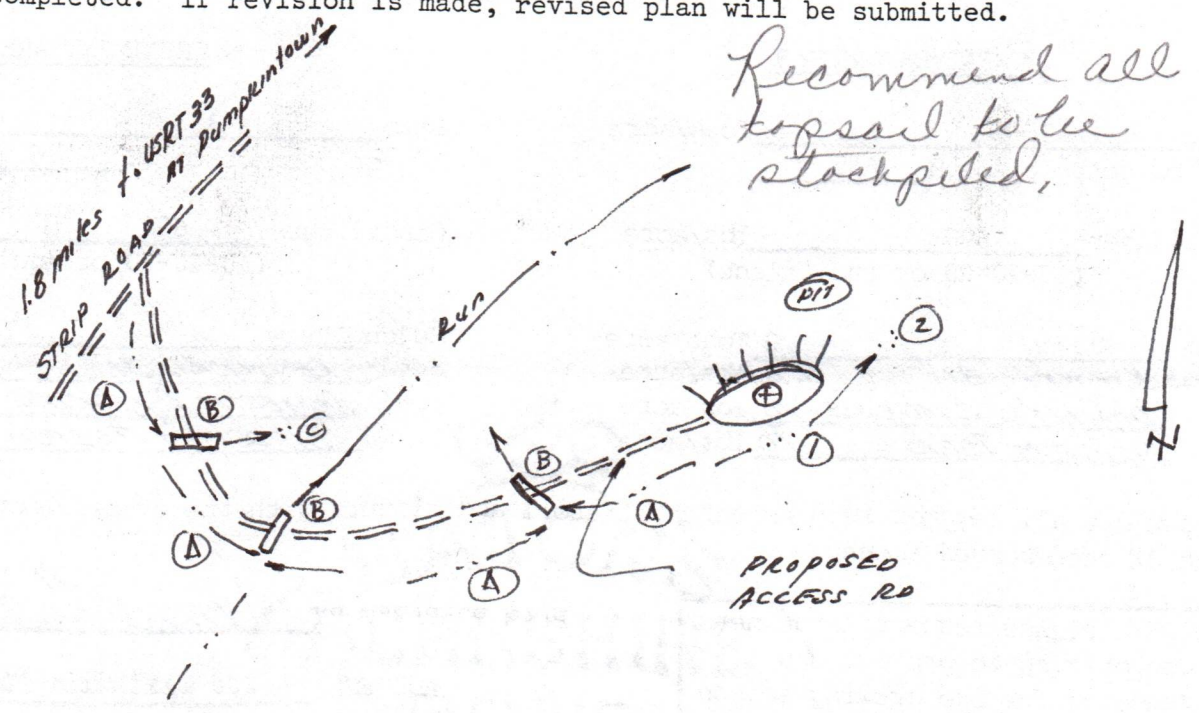


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND			
Property boundary	—▲▲▲▲—	Diversion	//////
Road	====	Spring	○→
Existing fence	—x—x—	Wet Spot	♂
Planned fence	—/—/—	Building	■
Stream	~ ~ ~ ~	Drain pipe	—○→○→
Open ditch	—>>>>—	Waterway	←====

COMMENTS

Slope of access road 8 % -- 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.



1) Date: August 19, 1983  
2) Operator's Well No. A-1369  
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

5(i) COAL OPERATOR see attached  
Address

(i) Name Westvaco  
Address 203 Randolph Avenue  
Elkins, West Virginia 26452

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name see attached  
Address

(ii) Name  
Address

(iii) Name  
Address

Name  
Address

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

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

RECEIVED

AUG 23 1983

OIL & GAS DIVISION  
DEPT. OF MINE

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

WELL OPERATOR ALAMCO

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

DANIEL L. WHEELER

this 19th day of August, 1983.

My commission expires Feb. 14, 1989.

Notary Public, HARRISON County,  
State of WEST VIRGINIA

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 & Heat (Columbia)	1/2	272	449
Columbia Gas	unto Allegheny Land & Mineral Co. (Alamco)			Not recorded

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

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AUG 23 1983

A-1369, A-1370

FUEL 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	
CERTIFIED FEE	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED	
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	

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	
CERTIFIED FEE	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED	
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	

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	
CERTIFIED FEE	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED	
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	

PS Form 3800, Apr. 1976

CLARKSBURG, WV  
AUG 22 1983  
USPS

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	
CERTIFIED FEE	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED	
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	

PS Form 3800, Apr. 1976

CLARKSBURG, WV  
AUG 22 1983  
USPS

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	
2855 7th Avenue	
P.O. STATE AND ZIP CODE	
Huntington, WV	
POSTAGE	
CERTIFIED FEE	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED	
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	

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	
201 29th North	
P.O. STATE AND ZIP CODE	
St. Petersburg, Florida	
POSTAGE	
CERTIFIED FEE	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED	
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	

PS Form 3800, Apr. 1976





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

DEPT. OF MINES

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

LOCATION: Elevation: 2509' Watershed Flatbush Fork  
District: Roaring Creek County: Randolph Quadrangle: Casity 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 McMullen, et al  
P.O. Box 8, Washington, NC 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 1, 1983

DRILLING COMPLETED October 7, 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"	802'	802'	to surface
7"			
5 1/2"			
4 1/2"	5153'	5153'	w/400 sks 3200'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMAION Elk DEPTH 5100 FEET

Depth of completed well 5202 feet Rotary x / Cable Tools \_\_\_\_\_  
Water Strata depth: Fresh 37, 46 & 414 feet Salt \_\_\_\_\_ feet  
Coal seam depth: 45-47' 168-171' Is coal being mined in this area? no

OPEN FLOW DATA

Producing formation 1st, 2nd & 3rd Elk, Benson Pay zone depth See Back feet  
Gas: Initial open flow 48 Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 987 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 2 hours

Static rock pressure 1100 psig ( surface measurement after 46 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 818

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

Well was fractured October 13, 1983  
 Perforations: 3647 - 3650 4926 - 4929  
 3676 - 3677 4947 - 4952  
 3747 - 3749 Benson 5072 - 5075 2nd & 3rd Elk  
 4846 - 4848  
 4851 - 4857 1st Elk

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
Fill	0	5	1/4" stream water @ 46'
Sand	5	45	1/4" stream water @ 414'
Coal & Shale	45	47	Gas check @ 1142' No show
Sand & Shale	47	168	Gas check @ 1412' No show
Coal	168	171	Gas check @ 1986' No show
Sand & Shale	171	820	Gas check @ 2105' No show
Red Rock	820	1183	Gas check @ 2236' 73 MCF/D
Little Lime	1183	1203	Gas check @ 3003' 73 MCF/D
Shale	1203	1263	Gas check @ 3214' 48 MCF/D
Big Lime	1263	1413	Gas check @ 3596' 48 MCF/D
Shale	1413	1418	Gas check @ 3713' 48 MCF/D
Injun	1418	1518	Gas check @ 4108' 48 MCF/D
Sand & Shale	1518	1911	Gas check @ 4881' 48 MCF/D
Gordon	1911	2016	Gas check @ 5202' 48 MCF/D
4th Sand	2016	2030	
Shale	2030	2150	
5th Sand	2150	2167	
Shale	2167	2351	
Speechley	2351	2365	
Shale	2365	3128	
Balltown	3128	3143	
Shale	3143	3531	
Riley	3531	3546	
Shale	3546	3679	
Benson	3679	3691	
Shale	3691	4056	
Alexander	4056	4072	
Shale	4072	4881	
1st Elk	4881	5202 T.D.	

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By:

*Raymond P. Masja*

Vice President Oil & Gas Operations

Date: December 29, 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 083-0818  
FARM & WELL NO McMullan, #A-1369  
DIST. & COUNTY Roaring Creek/Randolph

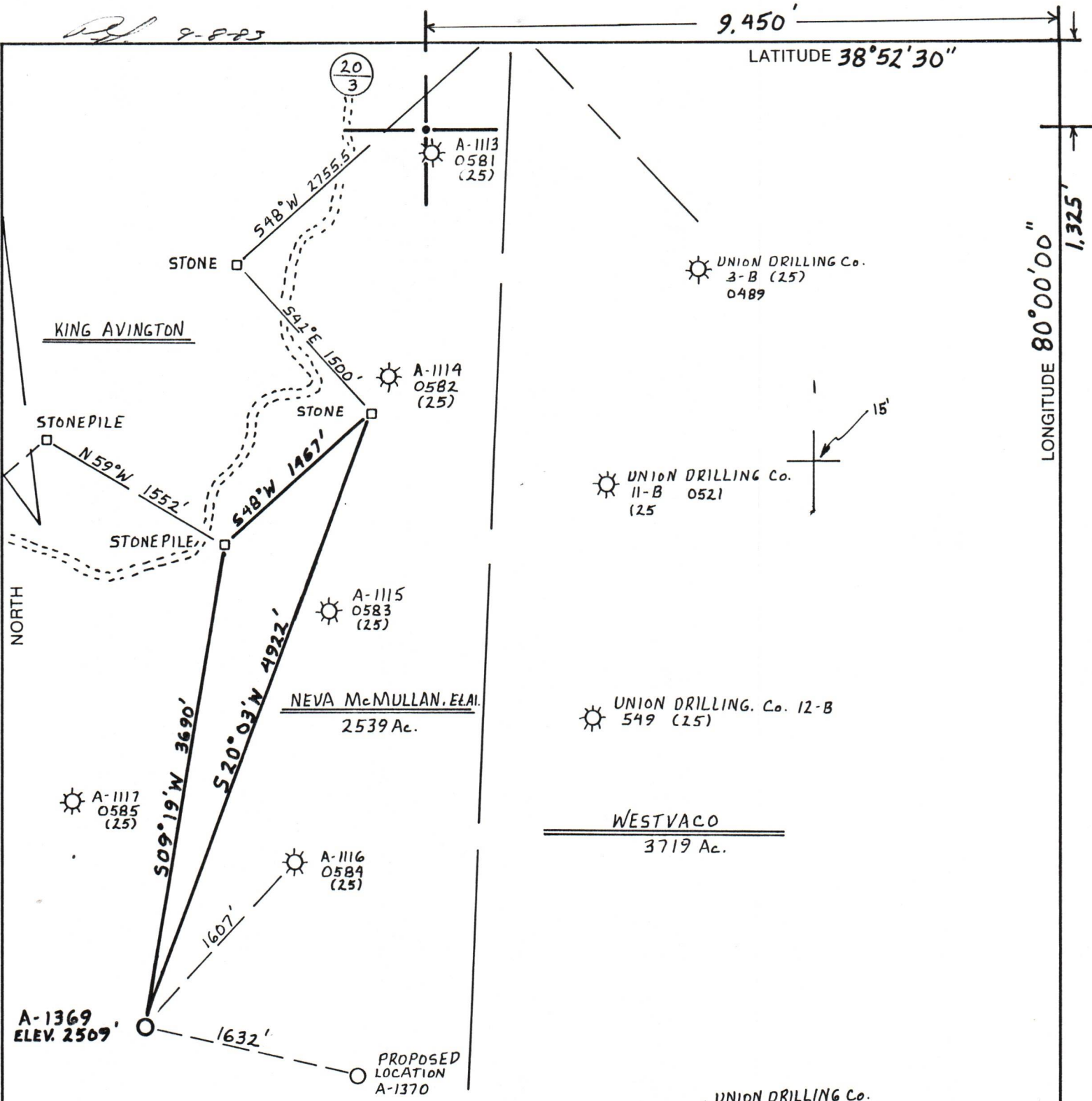
RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
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 Long*  
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. H. ...*  
Administrator-Oil & Gas Division



(+) 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 12, 1983  
 OPERATOR'S WELL NO. A-1369  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 2509 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 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 5100'  
 WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER  
 ADDRESS P.O. Box 1740; CLARKSBURG, WEST VIRGINIA ADDRESS P.O. Box 1740; CLARKSBURG, WEST VIRGINIA  
26302-1740 26302-1740

083 RANDOLPH  
0818 PERMIT

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