



1) Date: July 21, 19 83  
 2) Operator's Well No. A-1405 (McMullan)  
 3) API Well No. 47 - 083 - 0821  
 State County Permit

DRILLING CONTRACTOR:

Development Drilling, Inc.  
P.O. Drawer 1740  
Clarksburg, WV 26301

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil        / Gas XX /  
 B (If "Gas", Production        / Underground storage        / Deep        / Shallow XX /)
- 5) LOCATION: Elevation: 3006' Watershed: Cold Run  
 District: Middle Fork County: Randolph Quadrangle: Adolph 7.5'
- 6) WELL OPERATOR ALAMCO 11) DESIGNATED AGENT Daniel L. Wheeler  
 Address P.O. Drawer 1740 Address P.O. Drawer 1740  
Clarksburg, WV 26301 Clarksburg, WV 26301
- 7) OIL & GAS ROYALTY OWNER Harry McMullan 12) COAL OPERATOR n/a  
 Address P.O. Box 8 Address         
Washington, NC 27889
- 8) SURFACE OWNER Westvaco 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address 203 Randolph Avenue Name Henry L. Davis Estate  
Elkins, WV 26421 Address c/o First Pennsylvania Nat'l Bank  
9,757 Lower Center Square  
Philadelphia, PA  
 Name Harry McMullan, etal  
 Address P.O. Box 8  
Washington, NC 27889
- 9) FIELD SALE (IF MADE) TO: Columbia Gas Transmission Corp.  
 Address P.O. Box 1273  
Charleston, WV 25325
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Robert Stewart  
 Address P.O. Box 345  
Jane Lew, WV 26378
- 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name n/a  
 Address
- 15) PROPOSED WORK: Drill XX / Drill deeper        / Redrill        / Fracture or stimulate         
 Plug off old formation        / Perforate new formation         
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Elk
- 17) Estimated depth of completed well, 5250 feet
- 18) Approximate water strata depths: Fresh, -- feet; salt, 378 feet.
- 19) Approximate coal seam depths: 685 - 688 Is coal being mined in the area? Yes        / No XX /

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OIL & GAS DIVISION  
 DEPT. OF MINES

20) 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		
Conductor	16"				X	20'	20'	Cement to surface	
Fresh water	8-5/8"								
Coal	8-5/8"		20#	X		900'	900'	300 sacks	Sizes <u>By Rule 15-05</u>
Intermediate									
Production	4-1/2"		7.55 70.50#	X		5250'	5250'	Required by Rule 15.01	Depths set
Tubing									
Liners									Perforations: Top Bottom

21) 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.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Felise A. Cow  
 My Commission Expires February 14, 1989

Signed: Daniel L. Wheeler  
 Its: Vice-President

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-083-0821

September 20, 19 83  
 Date

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. 10) 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.)

Permit expires September 20, 1985

unless drilling 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>24375</u>
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[Signature]  
 Administrator, Office of Oil and Gas

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

FILE

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

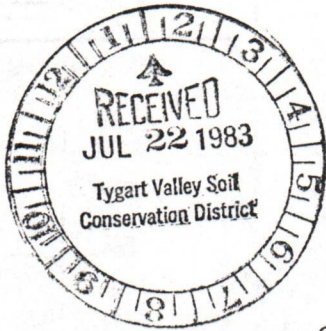
WAIVER

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19\_\_\_\_

By \_\_\_\_\_

Its \_\_\_\_\_



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date JULY 21, 1983  
Well No. A-1405  
API No. 47 - 083 - 0821  
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. 7-30-83 (Date) Juanita Heflick (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 RIPRAP (C)  
Spacing 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

Mulch Straw 2 Tons/acre

Seed\* KENTUCKY FESCUE 40 lbs/acre

Seed\* KENTUCKY FESCUE 40 lbs/acre

DOMESTIC RYEGRASS 10 lbs/acre

DOMESTIC RYEGRASS 10 lbs/acre

BIRDSEED TREFOIL 10 lbs/acre

BIRDSEED 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

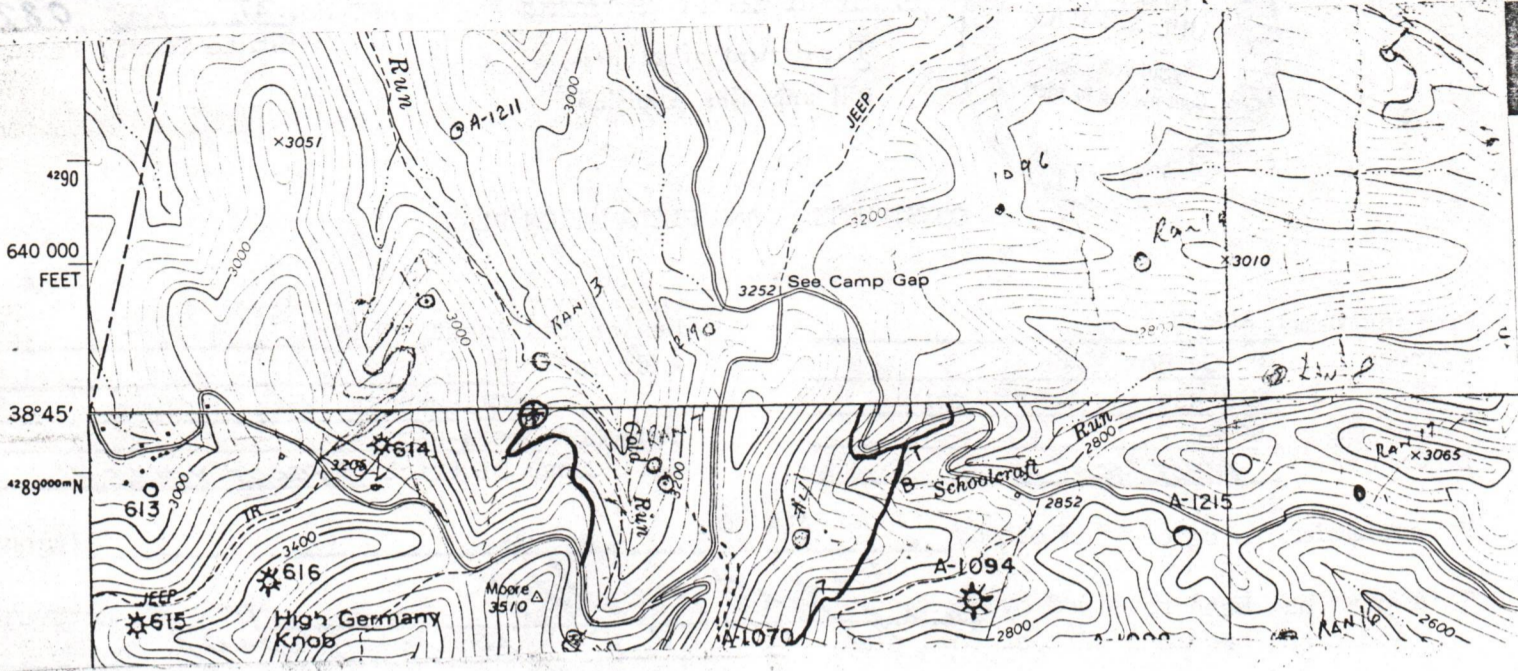
ADDRESS 200 West Main Street

Clarksburg, WV 26301

PHONE NO. 623-6671

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

LEGEND	
WELL SITE	⊕
ACCESS ROAD	—

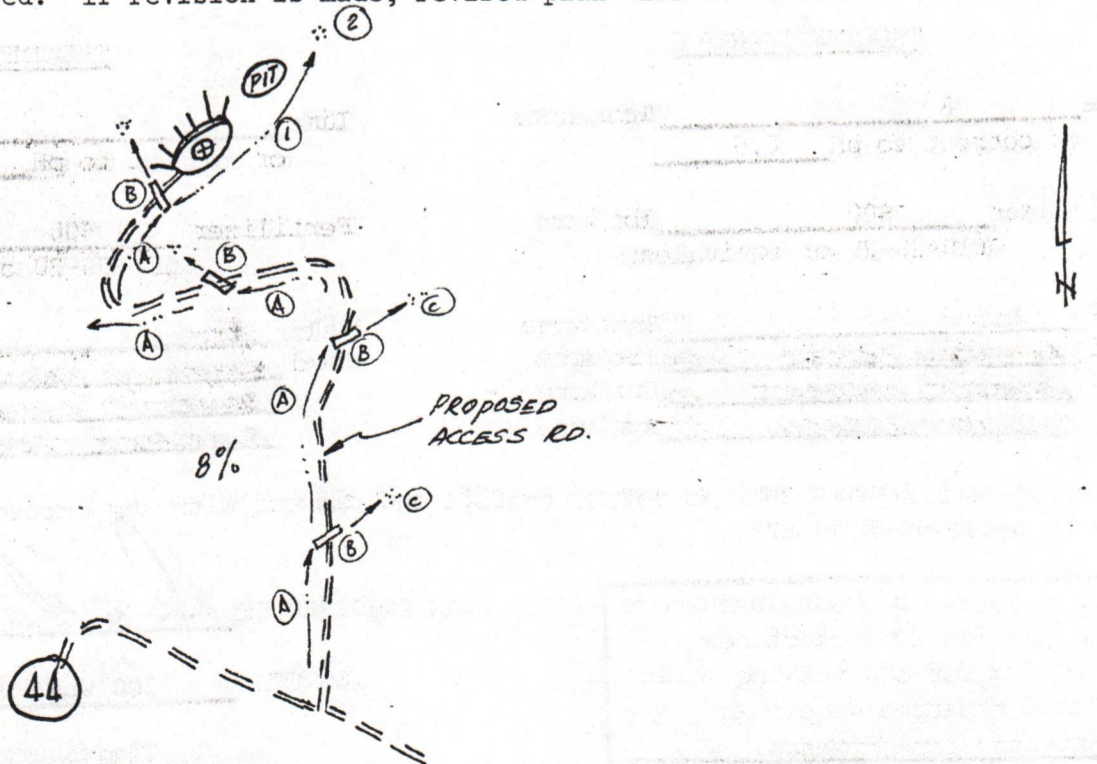


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

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 9 % -- 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: July 21, 19 83  
2) Operator's Well No. A-1405 (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 26421  
(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 Heirs  
Address P.O. Box 8  
Washington, NC 27889  
Name Henry L. Davis, Estate  
Address First Pennsylvania Nat'l Bank  
Tower Center Square  
Philadelphia, PA

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

Robert Daniel L. Wheeler  
this 21 day of July, 19 83.  
My commission expires Feb. 14, 19 89.

Delsee D. Con  
Notary Public, Harrison County,  
State of West Virginia

WELL OPERATOR ALAMCO  
By Robert L. Wheeler  
Its Vice-President  
Address P.O. Drawer 1740  
Clarksburg, WV 26301  
Telephone (304) 623-6671

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OIL & GAS DIVISION  
DEPT. OF MINES

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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)  
I N L I E U O F F I L I N G L E A S E ( S ) A N D O T H E R C O N T I N U I N G C O N T R A C T ( 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>
Harry McMullan, etal unto Columbia Gas		1/8	B-284	P-408

Columbia Gas by virtue of a farmout agreement dated August 11, 1980.  
(Agreement Not Recorded) unto Allegheny Land and Mineral Company (ALAMCO)

1) Date: July 21 1983  
 2) Operator's Well No. A-1405 (McMullan)  
 3) API Well No. 47 083  
 State County Permi:

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A. Oil \_\_\_ / Gas XX /  
 B. (If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow XX /  
 5) LOCATION: Elevation: 3006' Watershed Cold Run  
 District: Middle Fork County: Randolph Quadrangle: Adolph 7.5'  
 6) WELL OPERATOR ALAMCO  
 Address P. O. Drawer 1740  
Clarksburg, WV 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 26318  
 9) DRILLING CONTRACTOR:  
 Name Development Drilling  
 Address P. O. Box 1740  
Clarksburg, WV 26301  
 10) PROPOSED WELL WORK: Drill XX / 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 (or actual depth of existing well), 5250 feet  
 13) Approximate water strata depths: Fresh, \_\_\_ feet; salt, 378 feet.  
 14) Approximate coal seam depths: 685 - 688 Is coal being mined in the area? Yes \_\_\_ / No XX  
 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		
Conductor	16"				X	20'	20'	Cement to Surface
Fresh water	8 5/8"							Kinds
Coal	8 5/8"		20#	X		900'	900'	300 sacks
Intermediate								Sizes
Production	4 1/2"		10.55#	X		5250'	5250'	Required by Rule 15.01
Tubing								Depths set
Liners								Perforations:
								Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application (or less than 5 days if the Application is to plug a well), if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: ALAMCO

By Daniel L. Wheeler  
Daniel L. Wheeler  
 Its Vice President Date: \_\_\_\_\_

\_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_  
 \_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

**RECEIVED**  
 AUG - 8 1983

INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) Permit will be good for 24 months. See Chapter 22, Article 4 of the W. Va. Code.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, WV 25311  
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be personally served or mailed to you on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. (This time is changed to FIVE (5) DAYS from the filing date if the permit is only to plug a well.) You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments should include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the Application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



ATTN: LAND DEPT.  
**P 349 335 325**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse) **A-1405**

PS Form 3800, Apr. 1976

SENT TO		Henry L. Davis, estate
STREET AND NO.		First Pennsylvania Nat'l Bldg
P.O. STATE AND ZIP CODE		Philadelphia, PA 19127
POSTAGE		\$
CERTIFIED FEE		\$
SPECIAL DELIVERY		\$
RESTRICTED DELIVERY		\$
SHOW TO WHOM AND DATE DELIVERED		\$
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		CLARKSBURG, WV AUG 16 1983

CONSULT POSTMASTER FOR FEES  
 OPTIONAL SERVICES  
 RETURN RECEIPT SERVICE  
 CLARKSBURG, WV 26301  
 ALLEGHENY COUNTY, WV  
 P.O. DRAWING

ATTN: LAND DEPT.  
**P 349 335 327**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse) **A-1405**

PS Form 3800, Apr. 1976

SENT TO		Westvaco
STREET AND NO.		203 Randolph Avenue
P.O. STATE AND ZIP CODE		Elkins, WV 26241
POSTAGE		\$
CERTIFIED FEE		\$
SPECIAL DELIVERY		\$
RESTRICTED DELIVERY		\$
SHOW TO WHOM AND DATE DELIVERED		\$
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		CLARKSBURG, WV AUG 16 1983

CONSULT POSTMASTER FOR FEES  
 OPTIONAL SERVICES  
 RETURN RECEIPT SERVICE  
 CLARKSBURG, WV 26301  
 ALLEGHENY COUNTY, WV  
 P.O. DRAWING

ATTN: LAND DEPT.  
**P 349 335 326**  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse) **A-1405**

PS Form 3800, Apr. 1976

SENT TO		Harry McMullan
STREET AND NO.		P.O. Box 8
P.O. STATE AND ZIP CODE		Washington, NC 28889
POSTAGE		\$
CERTIFIED FEE		\$
SPECIAL DELIVERY		\$
RESTRICTED DELIVERY		\$
SHOW TO WHOM AND DATE DELIVERED		\$
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		CLARKSBURG, WV AUG 16 1983

CONSULT POSTMASTER FOR FEES  
 OPTIONAL SERVICES  
 RETURN RECEIPT SERVICE  
 CLARKSBURG, WV 26301  
 ALLEGHENY COUNTY, WV  
 P.O. DRAWING

**RECEIVED**  
APR 24 1984



Date April 19, 1984  
Operator's  
Well No. A-1405  
Farm McMullan  
API No. 47 - 083 - 0821

OIL & GAS DIVISION STATE OF WEST VIRGINIA  
**DEPT. OF MINES** 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: 3006' Watershed Cold 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 Radnolph Ave., Elkins, WV

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

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

PERMIT ISSUED September 20, 1983

DRILLING COMMENCED March 8, 1984

DRILLING COMPLETED March 16, 1984

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
20-16 Cond.			
13-10"			
9 5/8"			
8 5/8"	911'	911'	to surface
7"			
5 1/2"			
4 1/2"	5087'	5087'	w/575 sks 1600'
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Elk DEPTH 5250 FEET

Depth of completed well 5200' feet Rotary x / Cable Tools \_\_\_\_\_  
Water Strata depth: Fresh 20, 106, & 727 feet Salt \_\_\_\_\_ feet  
Coal seam depth: 130-132 Is coal being mined in this area? No

OPEN FLOW DATA

Producing formation 1st Elk, Alexander, Benson Pay zone depth See Back feet  
Gas: Initial open flow 11 Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 1320 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 2 hours

Static rock pressure 900 psig ( surface measurement after 120 hours shut-in  
(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ 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)

KTHND. 0881

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

Well was fractured March 27, 1984  
 Perforations: 3672 - 3676 4979 - 4981  
 3814 - 3818 Benson 4988 - 4990  
 4536 - 4539 4994 - 4996  
 4545 - 4547 4999 - 5000 1st Elk  
 4591 - 4593 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	3	Damp @ 60'
Sand & Shale	3	130	1/4" stream water @ 106'
Coal	130	132	1" stream water @ 727'
Sand & Shale	132	692	Gas check @ 1518' No show
Red Rock & Shale	692	941	Gas check @ 2150' No show
Sand & Shale	941	1120	Gas check @ 2300' 4 MCF/D
Little Lime	1120	1156	Gas check @ 2929' 9 MCF/D
Shale	1156	1194	Gas check @ 3313' 4 MCF/D
Big Lime	1194	1346	Gas check @ 3765' 7 MCF/D
Big Injun	1346	1350	Gas check @ 3854' 6 MCF/D
Big Lime	1350	1453	Gas check @ 4486' 8 MCF/D
Sand & Shale	1453	1887	Gas check @ 4980' 14 MCF/D
Red Rock & Shale	1887	2100	Gas check @ 5200' 11 MCF/D
Sand & Shale	2100	5200 T.D.	

GAMMA RAY LOG TOPS

Pocono 1510'  
 Gordon Stray 1678'  
 Gordon 1800'  
 4th Sand 1864'  
 4th A Sand 1992'  
 5th Sand 2105'  
 Bayard 2183'  
 Speechley 2251'  
 Balltown 2418'  
 Riley 3469'  
 Benson 3670'  
 Benson Repeat 3814'  
 Alexander 4535'  
 1st Elk 4964'  
 2nd Elk 5035'  
 3rd Elk 5226'

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

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

Date: April 19, 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."



**RECEIVED**  
AUG - 8 1984

**State of West Virginia**  
**Department of Mines**  
**Oil and Gas Division**  
**Charleston 25305**  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

OIL & GAS DIVISION  
**DEPT. OF MINES**

COMPANY Alamo

PERMIT NO 83-821 9/83

FARM & WELL NO McMullen A-1405

DIST. & COUNTY Middle Fork Randolph

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

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

SIGNED Philip Gray

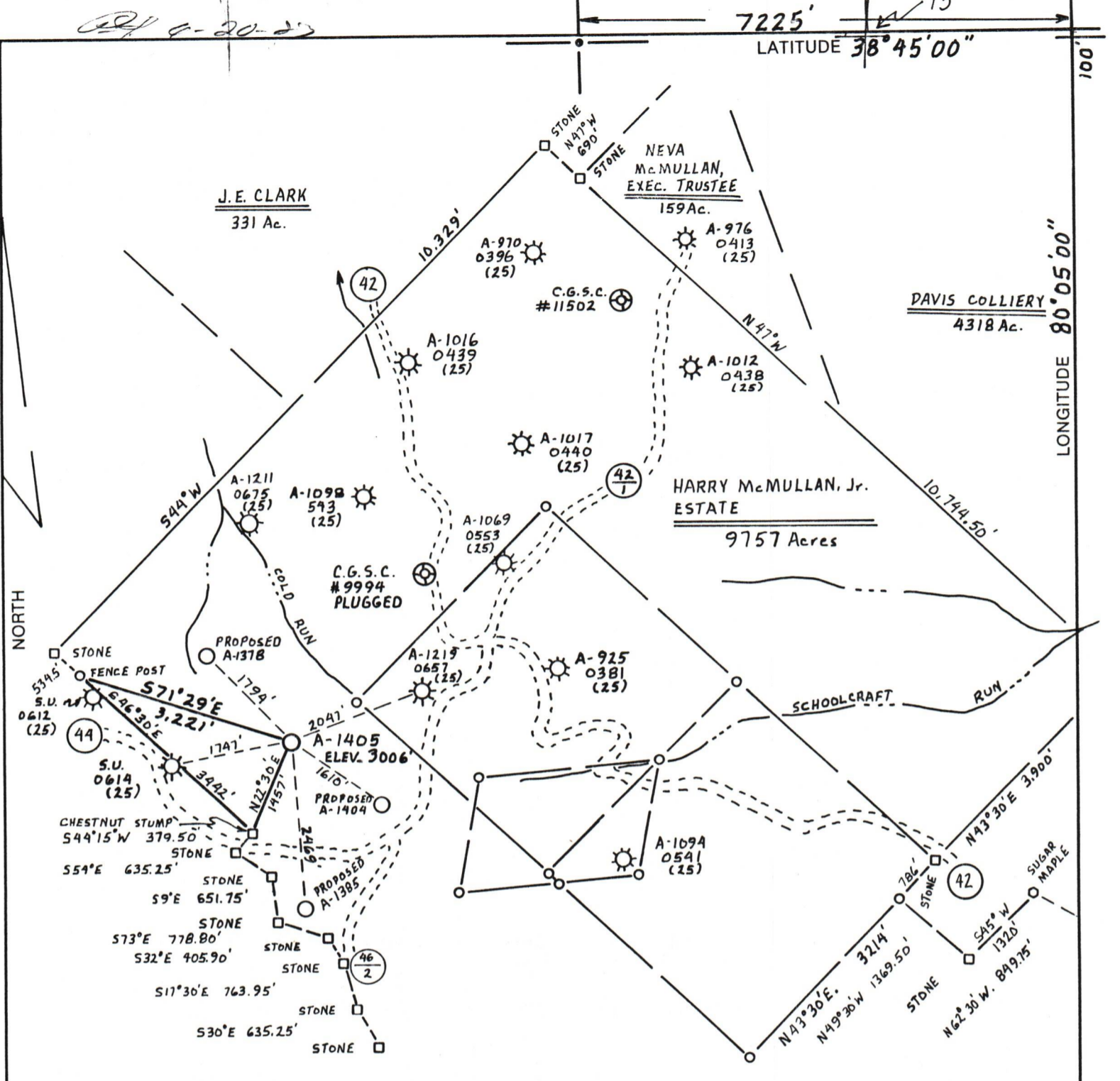
DATE 8-6-84

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. v. B.  
Administrator-Oil & Gas Division

August 21, 1984

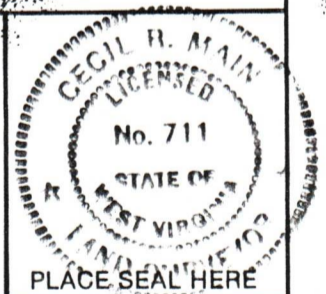
DATE



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 2,000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION ALAMCO WELL # A-1219 API 0657 ELEV 3260'

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 JUNE 21, 19 83  
 OPERATOR'S WELL NO. A-1405  
 API WELL NO. 47 083 0821  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 3006' WATERSHED COLD 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 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 5,250'  
 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

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

083 - RANDOLPH COUNTY NAME PERMIT 521