



1) Date: July 21, 19 83
 2) Operator's Well No. A-1378 (McMullan)
 3) API Well No. 47 - 083 - 0820
 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: 3020' 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
Philadelphia, Pennsylvania
 Acreage 9,757 Name Harry McMullan, etal
 Address P.O. Box 8
Washington, NC 27889
- 9) FIELD SALE (IF MADE) TO: 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Address Columbia Gas Transmission Corp. Name n/a
P.O. Box 1273 Address _____
Charleston, WV 25325
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Stewart
 Address P.O. Box 345
Jane Lew, WV 26378
- 15) PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate AUG - 8 1983
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Elk OIL & GAS DIVISION
 17) Estimated depth of completed well, 5300 feet DEPT. OF MINES
- 18) Approximate water strata depths: Fresh, _____ feet; salt, 290, 340 feet.
 19) Approximate coal seam depths: 785 - 789 Is coal being mined in the area? Yes _____ / No XX /

RECEIVED
 AUG - 8 1983

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		Sizes	Depths set
Conductor	16"				X	20'	20'	Cement to surface		
Fresh water	8-5/8"									
Coal	8-5/8"		20#	X		1200'	1200'	325 sacks		By Luke 1505
Intermediate										
Production	4-1/2"		J.55		X	5300'	5300'	Required by Rule 15.01		Depths set
Tubing			10.50#							
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: _____
 My Commission Expires February 14, 1989

Signed: Daniel L. Wheeler
 Its: Vice-President

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-083-0820 Date September 13, 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. 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 13, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET BOND	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>24189</u>
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Michael Lewis
 Administrator, Office of Oil and Gas

FILE

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

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.

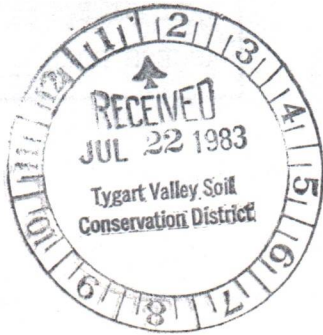
WAIVER

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-1378
API No. 47 - 083 - 0820
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) J. Wheeler (SCD Agent)

ACCESS ROAD

LOCATION AUG - 8 1983

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

Structure DRAINAGE Ditch (1)
Material Earthen DEPT. OF MINE
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
Seed* KENTUCKY 31 40 lbs/acre
DOMESTIC RYEGRASS 10 lbs/acre
BIRDSEED TREFOIL 10 lbs/acre

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

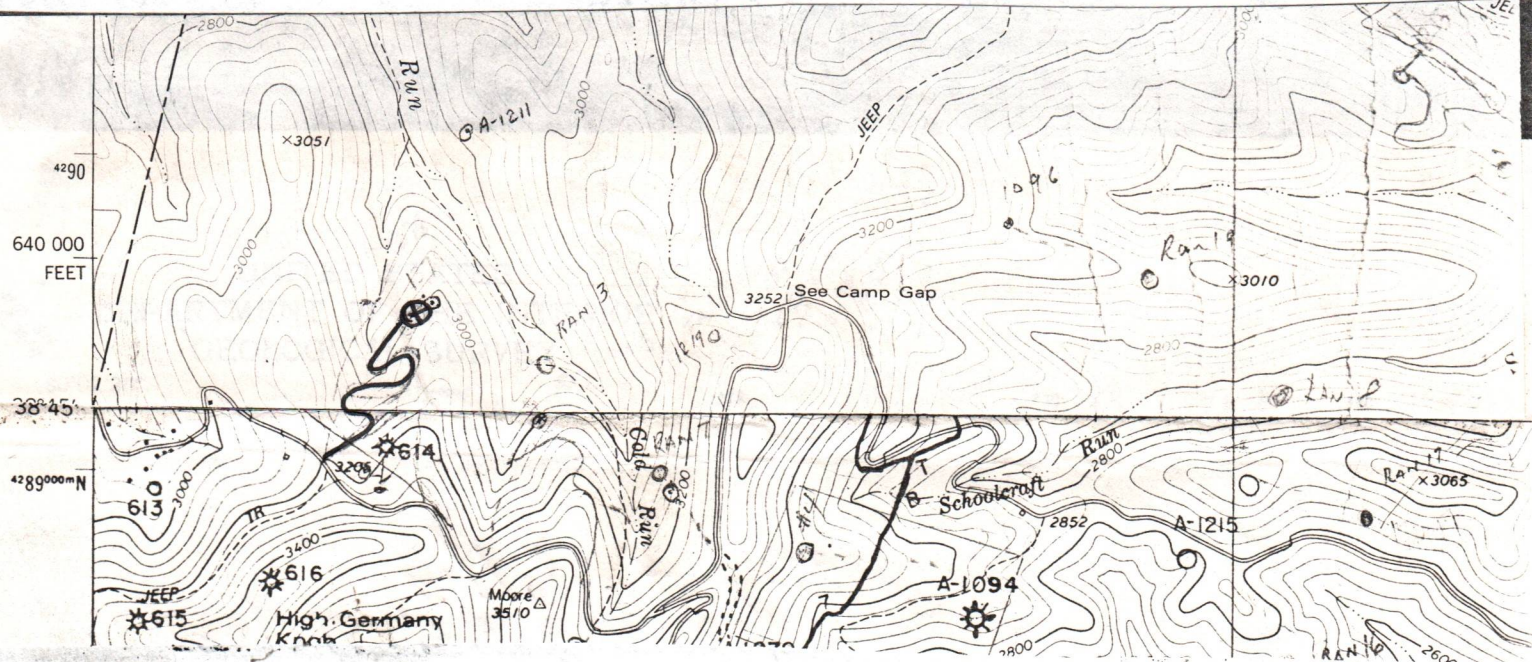
PLAN PREPARED BY Daniel L. Wheeler

ADDRESS 200 West Main Street
Clarksburg, WV 26301

PHONE NO. 623-6671

LEGEND	
WELL SITE	
ACCESS ROAD	

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

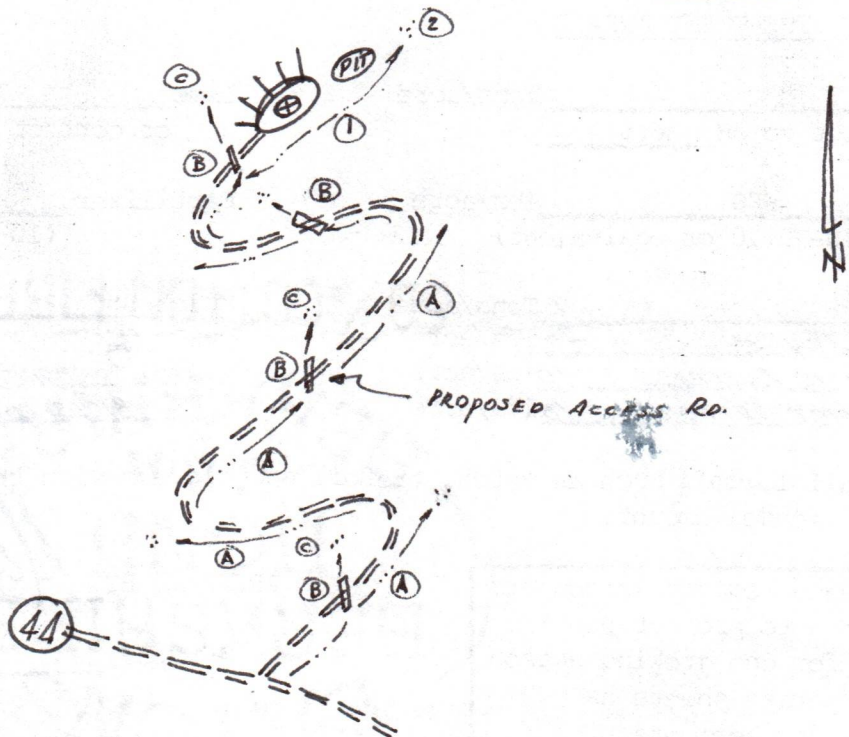


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

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

COMMENTS

Slope of access road 5 % -- 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: June 22, 1983
 2) Operator's Well No. A-1378
 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 _____

A-1378 P 349 335 534 RECEIPT FOR CERTIFIED MAIL

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

SENT TO <u>Westvaco</u> <u>203 Randolph Ave.</u> <u>Elkins, WV 26421</u>	P.O. STATE AND ZIP CODE <u>Elkins, WV 26421</u>	POSTAGE <u>2.00</u>	CERTIFIED FEE <u>0.00</u>	SPECIAL DELIVERY <u>0.00</u>	RESTRICTED DELIVERY <u>0.00</u>	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERED WITH RESTRICTED DELIVERY	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	POSTMARK OR DATE <u>AUG 19 1983</u>	TOTAL POSTAGE AND FEES <u>2.00</u>
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PS Form 3800, Apr. 1976

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RECEIVED
 AUG - 8 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. Drawer 1740
Clarksburg, WV 26301
 Telephone (304) 623-6671

this 22 day of June, 1983.
 My commission expires July 14, 1989.
John Cox
 Notary Public, Clayton County,
 State of West Virginia

CONCERN:
1)
2)
3)
4) & 5)
4)
5(i)
5(ii, iii)
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P27 2389741
ATTN: LAND DEPT. MAIL
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse) A-1378

SENT TO		Harry McMullan
STREET AND NO.		P. O. Box 8
P.O., STATE AND ZIP CODE		Washington, NC 27889
POSTAGE		\$
CERTIFIED FEE		e
SPECIAL DELIVERY		e
RESTRICTED DELIVERY		e
SHOW TO WHOM AND DATE DELIVERED		e
SHOW TO WHOM AND ADDRESS OF DELIVERY		e
SHOW TO WHOM DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		e
SHOW TO WHOM DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		e
TOTAL POSTAGE AND FEES		\$
POSTMARK OR DATE		

Form 3800, Apr. 1976

ALAMCO INC.
200 N. Main Street
Clarksville, TN 37040



P27 2389740

ATTN: LAND DEPT.
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse) A-1378

SENT TO		Henry L. Davis, estate
STREET AND NO.		First Penn. Nat'l Bank
P.O., STATE AND ZIP CODE		Tower Center Square Philadelphia, PA 19127
POSTAGE		\$
CERTIFIED FEE		e
SPECIAL DELIVERY		e
RESTRICTED DELIVERY		e
SHOW TO WHOM AND DATE DELIVERED		e
SHOW TO WHOM DATE AND ADDRESS OF DELIVERY		e
SHOW TO WHOM DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		e
SHOW TO WHOM DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		e
TOTAL POSTAGE AND FEES		\$
POSTMARK OR DATE		

Form 3800, Apr. 1976

ALAMCO INC.
200 N. Main Street
Clarksville, TN 37040



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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book	Page
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)

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.

1) Date: June 22 19 83
 2) Operator's Well No. A-1378 (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: 3020' Watershed Cold Run
 District: Middle Fork County: Randolph Quadrangle: Cassity 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, WV 26378
 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), 5300' feet
 13) Approximate water strata depths: Fresh, -- feet; salt, 290 340 feet.
 14) Approximate coal seam depths: 785-789' Is coal being mined in the area? Yes ___ / No ___
 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		
Conductor	16"				X	20'	20'	Cement to Surface	Kinds
Fresh water	8 5/8"								
Coal	8 5/8"		20#	X		1200'	1200'	325 sacks	Sizes
Intermediate									
Production	4 1/2"		10.55#	X		5300'	5300'	Required by Rule 15.01	Depths set
Tubing									
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: June 22, 1983

Date: _____
 (Signature)

Date: _____
 (Signature)

RECEIVED

AUG - 8 1983

OIL & GAS DIVISION
 DEPT. OF MINES



Date November 23, 1983
 Operator's _____
 Well No. A-1378
 Farm McMullan
 API No. 47 - 083 - 0820

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
 NOV 30 1983

WELL TYPE: OIL ___ / GAS X / LIQUID INJECTION ___ / WASTE DISPOSAL ___ /
 (If "Gas", Production ___ / Underground Storage ___ / Deep ___ / Shallow XX /)
 LOCATION: Elevation: 3020' Watershed Cold Run
 District: Middle Fork County: Randolph Quadrangle: Adolph 7.5'

OIL & GAS DIVISION
 DEPT. OF MINES

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

DESIGNATED AGENT ALAMCO, Inc.
 ADDRESS 200 West Main Street
Clarksburg, West Virginia 26301

SURFACE OWNER Westvaco
 ADDRESS 203 Randolph Ave. Elkins, WV 26421

MINERAL RIGHTS OWNER Harry McMullan
 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
26378

PERMIT ISSUED September 13, 1983

DRILLING COMMENCED September 30, 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	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
20-16 Cond.			
13-10"			
9 5/8"			
8 5/8"	918'	918'	to surface
7"			
5 1/2"			
4 1/2"	5305'	5305'	w/270 saks 3203'
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMAION Elk DEPTH 5300 FEET

Depth of completed well 5312' feet Rotary XX / Cable Tools _____ feet
 Water Strata depth: Fresh 40' Salt _____ feet

Coal seam depth: 25'-30', 265'-268', 366'-370', 418'-425' Is coal being mined in this area? _____

OPEN FLOW DATA

Producing formation 3rd Elk, 1st Elk, Riley-Benson Pay zone depth (see back) _____ feet

Gas: Initial open flow 762 Mcf/d Oil: Initial open flow _____ Bbl/d
 Final open flow 696 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 2 hours

Static rock pressure 825 psig (surface measurement after 6 days 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)

Randolph 820

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

Well was fractured Perforations: October 12, 1983

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Balltown 2392'-2404'
 Riley 3488'-91'
 3627'-30'
 First Elk 5027'-32'
 5034'-38'
 Third Elk 5218'-22'

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Mud	0	10	Hole wet @ 40'
Shale	10	25	
Coal & Shale	25	30	
Sand & Shale	30	62	
Sand	62	175	
Shale	175	185	
Sand	185	225	
Sand & Shale	225	252	
Shale	252	265	
Coal	265	268	
Sand & Shale	268	366	
Coal	366	370	
Sand & Shale	370	418	
Coal	418	425	
Sand & Shale	425	440	
Sand	440		
Sand & Shale	460	472	
White Sand	472	655	
Shale	655	702	
Black Shale	702	710	
Red Rock	710	730	
Shale	730	745	
Sand & Shale	745	805	
Sand	805	830	
Red Rock	830	845	
Sand	845	925	
Sand & Shale	925	949	
Red Rock	949	972	Check Gas @ 1350 No show
Shale	972	1022	Check Gas @ 1476 1961 MCF/D
Sandy Shale	1022	1034	Check Gas @ 1538 1961 MCF/D
Shale	1034	1098	Check Gas @ 1821 1240 MCF/D
Sand & Shale	1098	1154	Check Gas @ 2386 876 MCF/D Check Gas @ 2891 198 MCF/D

(Attach separate sheets as necessary)

See Attachment

ALAMCO, Inc.

Well Operator

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

Date: 11/29/83

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."

Well Logs (con't) A-1378

Little Lime	1154	1187	Check Gas @ 3233	660 MCF/D
Big Lime	1187	1336		
Injun	1336	1469		
Sand & Shale	1469	1482		
Sand	1482	1507	Check Gas @ 3390	793 MCF/D
Sand & Shale	1507	1782	Check Gas @ 3579	730 MCF/D
Gordon Stray	1782	2028	Check Gas @ 3707	696 MCF/D
Fifth Sand	2028	2066	Check Gas @ 3894	696 MCF/D
Sandy Shale	2066	2430	Check Gas @ 4184	696 MCF/D
Balltown	2430	2459	Check Gas @ 4530	762 MCF/D
Shale	2459	2639	Check Gas @ 4686	696 MCF/D
Sand & Shale	2639	3355	Check Gas @ 4904	660 MCF/D
Shale	3355	3515	Check Gas @ 4999	660 MCF/D
Riley	3515	3550	Check Gas @ 5312	762 MCF/D
Shale	3550	3670		
Benson	3670	3710		
Sand & Shale	3710	4650		
Alexander	4650	4748		
Sand & Shale	4748	5026		
First Elk	5026	5058		
Shale	5058	5312	T.D.	

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No.	Name	Rank	Pay	Grade	Pay	Grade	Pay	Grade	Pay	Grade
1	John Doe	Chief	1000	1000	1000	1000	1000	1000	1000	1000
2	Jane Smith	Chief	1000	1000	1000	1000	1000	1000	1000	1000
3	John Doe	Chief	1000	1000	1000	1000	1000	1000	1000	1000
4	Jane Smith	Chief	1000	1000	1000	1000	1000	1000	1000	1000
5	John Doe	Chief	1000	1000	1000	1000	1000	1000	1000	1000
6	Jane Smith	Chief	1000	1000	1000	1000	1000	1000	1000	1000
7	John Doe	Chief	1000	1000	1000	1000	1000	1000	1000	1000
8	Jane Smith	Chief	1000	1000	1000	1000	1000	1000	1000	1000
9	John Doe	Chief	1000	1000	1000	1000	1000	1000	1000	1000
10	Jane Smith	Chief	1000	1000	1000	1000	1000	1000	1000	1000

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IV-20
Obverse
1-84



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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

COMPANY Blanco

PERMIT NO 83-820 9/83

FARM & WELL NO A-1378

DIST. & COUNTY Middleburg 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 Well-site		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strength		
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:

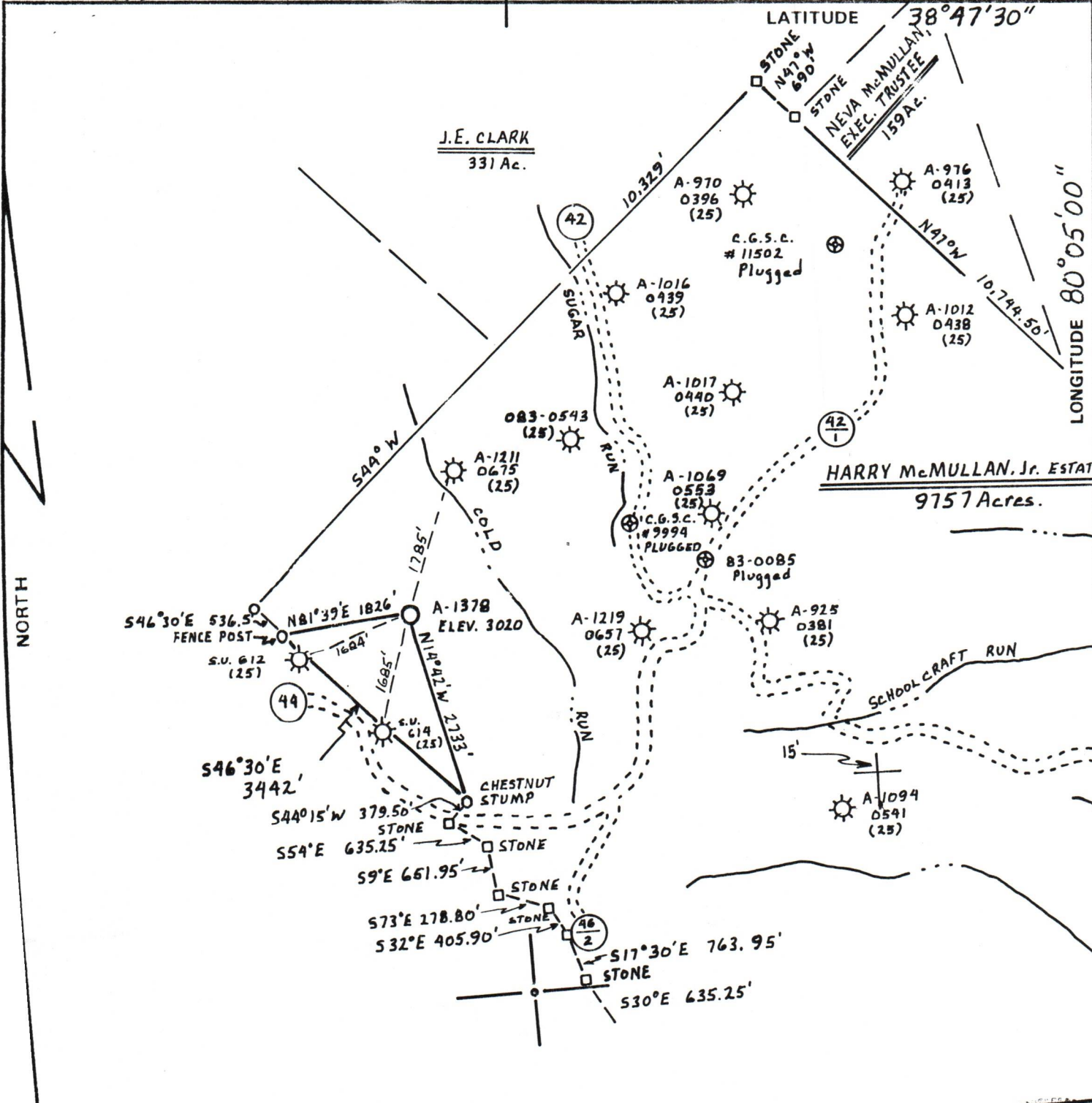
SIGNED Phillip Tracy

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. L. ...
Administrator-Oil & Gas Division

August 21, 1984
DATE



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2,000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ALLEGHENY LAND AND MINERAL Co. WELL A-1211
 API No. 675 ELEV. 2835

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. Mann
 R.P.E. _____ L.L.S. 711



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 1 198
 OPERATOR'S WELL NO. A-1378
 API WELL NO. _____
47 - 083 - 0820
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 3020 WATER SHED COLD RUN
 DISTRICT MIDDLE FORK COUNTY RANDOLPH
 QUADRANGLE CASSITY 7.5'
 SURFACE OWNER WESTVACO ACREAGE 9757 Ac.
 OIL & GAS ROYALTY OWNER HARRY McMULLAN, Jr. ESTATE LEASE ACREAGE 9757 Ac.
 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 5300'
 WELL OPERATOR ALLEGHENY LAND & MINERAL Co. DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. Box 1740 ADDRESS P.O. Box 1740
CLARKSBURG, WEST VIRGINIA 26302-1740 CLARKSBURG, WEST VIRGINIA 26302-