



1) Date: November 19, 19 82
 2) Operator's Well No. A-1282
 3) API Well No. 47 083 0737
 State County Permit

DRILLING CONTRACTOR:

Development Drilling
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: 2648 Watershed: Mulberry Fork
 District: Roaring Creek County: Randolph Quadrangle: Cassity 7.5
- 6) WELL OPERATOR Allegheny Land & Mineral Co. 11) DESIGNATED AGENT Daniel L. Wheeler
 Address P. O. Box 1740 Address P. O. Box 1740
Clarksburg, WV 26301 Clarksburg, WV 26301
- 7) OIL & GAS ROYALTY OWNER Neva McMullan % Harry McMullan 12) COAL OPERATOR
 Address P. O. Box 8 Address
Washington, N.C. 27889
 Acreage 2539
- 8) SURFACE OWNER Westvaco 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address 203 Randolph Avenue Name Goff-Arnold Land % Harry McMullan
Elkins, WV 26241 Address P. O. Box 8
 Acreage 2539 Washington, NC 27889
 Name
 Address
- 9) FIELD SALE (IF MADE) TO:
 Address Columbia Gas Transmission
P. O. Box 1273, Charleston, WV 25325
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name Robert Stewart Name Amax Coal International Coal
 Address P. O. Box 345 Address 105 S. Meridan 119 Washington St
Jane Lew, WV 26378 Indianapolis, Inc. Lewisburg, WV
 26225 24901
- 15) PROPOSED WORK: Drill XX / Drill deeper / Redrill / Fracture or stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) OIL & GAS DIVISION
- 16) GEOLOGICAL TARGET FORMATION, Elk DEPT. OF MINES
- 17) Estimated depth of completed well, 5300' feet
- 18) Approximate water strata depths: Fresh, 30' feet; salt, feet.
- 19) Approximate coal seam depths: 595 605 Is coal being mined in the area? Yes / No XX /

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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'		Kinds Cement to surface
Fresh water	8 5/8"								
Coal	8 5/8"		20#	X		1100'	1100'	110 SX	Sizes
Intermediate			J.55						
Production	4 1/2"		10.50#	X		5300'	5300'		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: Elmer Cox
 My Commission Expires February 14, 1989

Signed: Daniel L. Wheeler
 Its: Vice President

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-083-0737

December 8

Date 10/20/2023 1982

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 August 8, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>OK</u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>23093</u>
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Administrator, Office of Oil and Gas

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

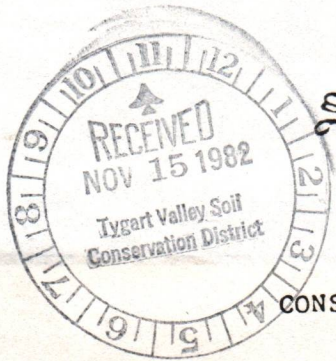
10/20/2023

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 NOVEMBER 10, 1982
Well No. A-1282
API No. 47 - 083 - 0737
State County Permit

CONSTRUCTION AND RECLAMATION PLAN

Company Name Allegheny Land & Mineral Co.
Address P. O. Box 1740
Clarksburg, West Virginia
Telephone 623-6671
Landowner WESTYACO

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

Vegetation to be carried out by Halls Reclamation, Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections
and additions become a part of this plan. 11-16-82 (Date) Daniel L. Wheeler (SCD Agent)

ACCESS ROAD

LOCATION

Structure	Spacing	Page Ref. Manual	(A)	Structure	Material	Page Ref. Manual	(1)
Drainage Ditch	Earthen	2-12		<u>DRAINAGE</u> Ditch	Earthen	2-12	
CULVERTS	16" I.O. (WHERE NEEDED)	2:5	(B)	<u>RIPRAP</u>	ROCK	N/A	(2)
<u>RIPRAP</u>	<u>ROCK</u>	<u>N/A</u>	(C)				(3)

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
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

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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.

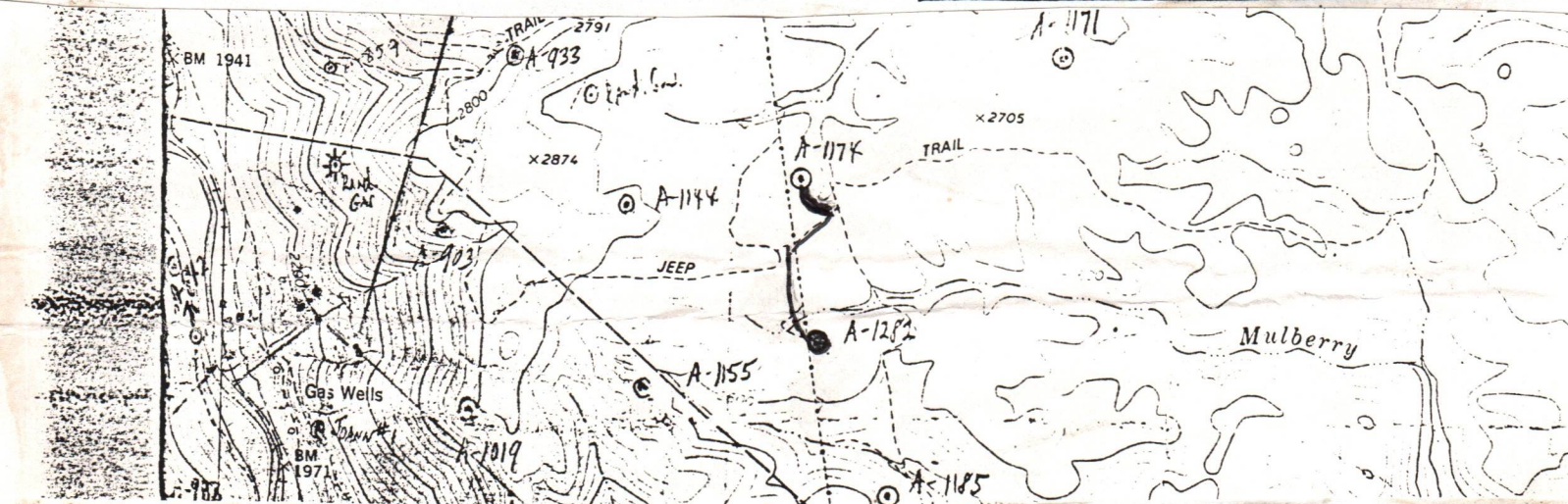
PLAN PREPARED BY Daniel L. Wheeler 10/20/2023

ADDRESS P. O. Drawer 1740
Clarksburg, West Virginia 26301-1740

PHONE NO. 623-6671

ETCH OR PHOTOCOPY SECTION OF
SOLVED TOPOGRAPHIC MAP.
ADRANGLE CASSITY 7.5'

LEGEND	
Well Site	○
Access Road	_____

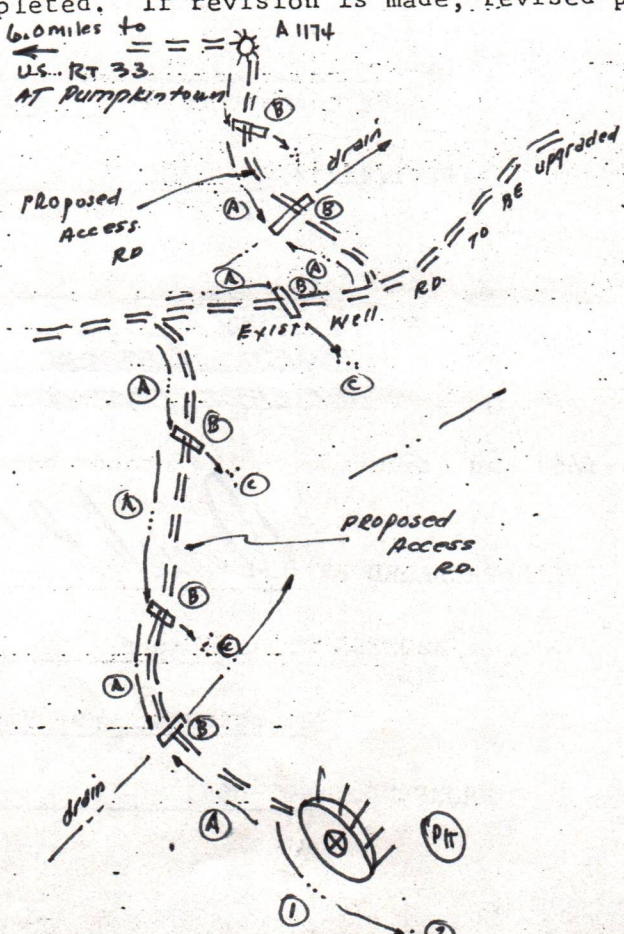


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

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

COMMENTS:

Slope of access road 10 % -- Cuts to be on a 2:1 slope or less. Access road subject to change by company of landowner. All ditches and culverts will be maintained after construction is completed. If revision is made, revised plan will be submitted.



10/20/2023

COPY

34739

LEASE AGREEMENT

THIS LEASE AGREEMENT, made and entered into the 14th day of June, 1971, to be effective as of April 15, 1971, by and between COFF ARNOLD LAND COMPANY, a West Virginia corporation, hereinafter referred to as "Lessor," and THE MANUFACTURERS LIGHT AND HEAT COMPANY, a Pennsylvania corporation, having its principal office and place of business at 800 Union Trust Building, Pittsburgh, Pennsylvania 15219, hereinafter referred to as "Lessee."

WITNESSETH: That for and in consideration of the sum of One Dollar (\$1.00) paid by the Lessee to the Lessor, the receipt of which is hereby acknowledged and of the mutual covenants and agreements hereinafter set forth, the Lessor and Lessee agree as follows:

1. LEASING CLAUSE. The Lessor hereby grants, leases, demises and lets unto Lessee all the oil, gas, including all solid, liquid and gaseous substances comprising constituents thereof, such as natural gasoline, casinghead gas, condensate, related hydrocarbons and all other products, produced therewith or therefrom by methods now known or hereafter discovered in, upon and underlying the land hereinafter described; and the said Lessee shall have and is hereby further granted, during the term of this Lease, the exclusive rights by the Lessor to go upon the said land for the purposes of exploring and operating for, producing and marketing said oil and gas with the aforementioned constituents thereof, together with the exclusive rights also in the Lessee to utilize the surface and the underlying strata of said land, including the oil and gas sands and formations for gas storage purposes by injecting into, holding in storage therein and withdrawing therefrom, gas regardless of the source thereof by 10/20/2023

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OIL & GAS DIVISION
DEPT. OF MINES

otherwise, either through any well or wells operated thereon or on neighboring or adjoining lands in the same gas storage field as well as protecting gas stored in and underlying all such lands, said tract of land being situate in Roaring Creek and Middle Fork Districts, Randolph County, West Virginia, described as follows:

All that tract or parcel of land commonly referred to as the Goff Arnold tract, being situate partly in Roaring Creek and Middle Fork Districts, Randolph County, State of West Virginia, comprising approximately 2,539 acres, as more particularly identified and shown as Parcel No. 17, as shown on a certified copy of a map, dated November, 1959, and revised January 30, 1960, the legend of which map is entitled "Property Map of Moore, Keppel and Company, Inc., Lying in Randolph and Upshur Counties, West Virginia, Being Conveyed to Connecticut General Life Insurance Company," prepared by J. Walter James, Jr., a certified land surveyor of the State of Virginia, as shown by his certificate attached to said map, and a copy of which is recorded in the County Clerk's Office of Randolph County, West Virginia.

Being a portion of the same premises as conveyed by virtue of that certain deed dated July 16, 1936, and recorded in the Office of the County Clerk of Randolph County, West Virginia, in Deed Book Vol. 142, page 146.

Excepting and Reserving from the said leasehold oil and gas and leasehold oil and gas rights herein granted and demised by this Lease, all the shallow leasehold oil and gas and the shallow leasehold oil and gas rights and interests from the surface vertically down to the bottom of the Benson Sand Formation in, upon and underlying fifty (50) acres of said leased premises as contained in Parcel No. 17 on said map referenced to above, it being understood and agreed by Lessor and Lessee that said interests and rights on the fifty (50) acres herein excepted and reserved lies within the area contained in a square drawn around said producing gas well already operated on said Parcel No. 17 by Randolph Gas Company; with it being expressly agreed between the Lessor and Lessee that the lease herein granted to The Manufacturers Light and Heat Company is under and subject only to the prior rights of the said Randolph Gas Company on that fifty (50) acres ~~only~~ ^{10/20/2023} only described above in said Parcel No. 17 and that all remainder of the said acreage in Parcel No. 17 as shown on said map, is free

and clear of any rights given in said lease to Randolph Gas Company except the right of ingress and egress to the above-recited producing gas well and any necessary pipeline easements and easements for appurtenant facilities to said lines to transport and market the gas therefrom. The Lessor further covenants and agrees with Lessee, its successors and assigns, that as evidenced by the terms of its agreement with Randolph Gas Company, executed June 23, 1970, and recorded in the County Clerk's Office of Randolph County, Release Book 44, Page 477, a copy of which agreement Lessor shall furnish Lessee at the time of delivery of this Lease executed by Lessor, Lessor has good and marketable title to the leasehold oil and gas and the leasehold interests and rights as herein granted and demised to Lessor, subject only to the above exceptions and reservations on the fifty (50) acres surrounding the above-recited producing gas well.

2. PURPOSES. Lessor does also grant unto Lessee during the term hereof the exclusive right to enter upon the above-described land to conduct geological and geophysical surveys and explorations, and to operate for, produce, and market said oil, gas, natural gasoline, casinghead gas, condensate, related hydrocarbons, and all other constituent products produced therewith or therefrom, as hereinbefore provided, together with the right to inject gas, air, water, and other fluids into the sands and formations in said land for the purpose of recovering and producing the minerals referred to above; together also with the right to drill wells, recondition producing wells, redrill and use abandoned wells, and reabandon wells on said land; together also with the rights of way and servitudes on, over, and through said lands for roads, pipelines, telephone and electric power lines, structures, plants, houses and buildings for employees, drips, tanks, stations, cathodic protection devices, houses for gates, meters and regulators, and all other rights and privileges necessary, ~~incident to,~~ ^{10/20/2023} and convenient for the economical operation of said land alone and conjointly with other lands for the production, storage,

transportation and marketing of said minerals; together also with the right of removing, either during or after the term hereof, all and any property and improvements placed or located on said land by Lessee; and together also with the right of ingress and egress upon and over said land and adjoining or neighboring lands now owned by Lessor for all of the aforesaid gas production and storage purposes; provided, however, that such usages are always subject to the damage provisions hereinafter set out; and provided further that such rights of way as are provided for relate only to the exploration for, and subsequent conveyance and transportation of, oil, gas or related products to and from subject land to a connecting main pipeline system. No well shall be drilled by Lessee within two hundred feet (200 ft.) of any dwelling house now on said land except by the consent of the owner of such house. Subject to the right of Lessor to take gas free of cost from one well only on said land drilled by Lessee hereunder, provided such well is producing gas only, as hereinafter set forth, the seven-eighths (7/8ths) working interest in the oil and all of the gas produced and recovered under the terms of this agreement are hereby granted, bargained, and sold unto Lessee by Lessor.

3. TERM. It is agreed that this Lease shall remain in force for the term of ten (10) years from April 15, 1971, and as long thereafter as said land leased hereunder or any portion thereof or any land pooled or unitized with the whole or any part thereof as provided below in Paragraph 4 is either (a) operated by Lessee in the search for or production of oil and gas, including all solid, liquid and gaseous substances comprising constituents thereof, such as natural gasoline, casinghead gas, condensate, and related hydrocarbons in paying quantities, or drilling operations are being carried on as hereinafter provided with the right of extension of said lease thereof by payment of rentals as set forth in Article 6 hereafter; or (b) the leased premises or any part thereof, including any underlying stratum, sand or formation leased hereunder is used by the Lessee for gas storage purposes by injecting,

withdrawing or holding gas therein or protecting gas thereby alone or jointly with other lands through the operation of a well or wells either on the tract of land herein leased or on neighboring lands comprising a part of the same gas storage field, with it being agreed Lessee's determination shall be final and conclusive as to whether the leased premises are being used for any of the aforesaid gas storage purposes.

"Drilling operations" as the term is used herein include operations for the drilling of a new well, the reworking, deepening and plugging back of a well, a new well, or hole or other operations conducted in an effort to obtain or establish production of oil or gas.

If, at the expiration of the primary term of this Lease, oil or gas is not being produced from the leased premises and Lessee is not then carrying on underground gas storage operations as provided therein, but the Lessee is still engaged in drilling operations, this Lease shall continue in force so long as such drilling operations are prosecuted; and if production of oil or gas results from such drilling operations, this Lease shall continue in force so long as oil or gas shall be produced from the leased premises. If, after the expiration of the primary term of this Lease, all production or storage operations on the leased premises should cease, this Lease shall not terminate if Lessee is then prosecuting drilling operations, or within sixty (60) days after each such cessation of production commences drilling operations, and this Lease shall remain in force so long as such operations are continuously prosecuted, and if production results therefrom, then as long thereafter as oil or gas is produced from the leased premises.

4. UNITIZATION. Lessee is hereby granted the right to pool, unitize or combine all or any part of the leased premises with any other lease or leases, land or lands, mineral estates, or any of them whether owned by the Lessee or others, so as to

10/20/2023

create one or more drilling or production units so as to constitute a unit or unit not exceeding 640 acres with respect to any zone or stratum predominantly oil bearing and not substantially exceeding 640 acres with respect to any zone or stratum predominantly gas bearing or condensate bearing, subject to the right of surrender as hereinafter provided in Article 10. Such drilling or production units may also be created by governmental authority.

Any unit formed under this paragraph shall conform to the rules and regulations of any lawful governmental authority having jurisdiction in the premises, and with good drilling or production practice in the area in which the land is located. In the event of the unitization of the whole or any part of the leased premises, Lessee shall before or after the completion of a well, record a copy of its unit operation designation in the county wherein the leased premises are located, and mail a copy thereof by registered or certified mail, to the Lessor at Lessor's last known address. As to each drilling unit so designated for oil or gas production purposes by the Lessee, Lessor agrees to accept and receive out of the production or the proceeds from the production of such unit, and in lieu of the one-eighth (1/8) production royalties provided in Paragraph 5 of this Lease, such proportionate share of the aforesaid one-eighth (1/8) oil or gas production royalty as provided for in said Paragraph 5 of this Lease, produced from each production well operated on the unitized acreage as the actual number of acres in the leased premises which may be included from time to time in any such drilling unit bears to the total number of acres included in any such unit. The commencement of drilling, completion of, or production from a well or any portion of such unit shall have the same effect upon the terms of this Lease, except for the payment of royalties, as if such a well were commenced, drilled, completed or producing on any land included in this Lease itself. In the event, however, that a portion only of the premises herein leased should be included from time to time in such a drilling unit, delay rental thereafter shall be paid to

Lessor only on that part of the aforesaid leased premises which remains outside such unit or units when the same are formed. Lessee shall have the same rights of ingress and egress over the leased premises in case of such unit development for the development, drilling and operation of wells located on other acreage in the same unit as are granted by this Lease for wells located on it, but free gas shall be only furnished to and under the terms of the individual lease upon which a producing gas well is located.

5. ROYALTIES. In consideration of the premises, Lessee covenants and agrees:

(1) To deliver, free of cost, to Lessor at the wells, or to the credit of Lessor in the tanks, pipelines or other facilities to which Lessee may connect said wells, an equal one-eighth (1/8th) part of all oil, including any other liquid hydrocarbons contained therein, produced and saved from the leased premises, or at Lessee's option, to pay to Lessor for such one-eighth (1/8th) royalty, the market price at the well for such oil of like grade and gravity prevailing on the day such oil is run from the lease stock tanks.

(2) To pay a royalty of all gas, including all substances contained therein, produced, saved and marketed from the leased premises equal to a minimum payment of four (4) cents per Mcf or equal to one-eighth (1/8th) of the then just and reasonable area price per Mcf as set by the Federal Power Commission from time to time for gas purchased in that area of West Virginia by interstate pipelines from independent producers selling such gas in interstate commerce at the time said gas is produced and marketed from the leased premises, whichever royalty amount is greater as provided above at the time said gas is purchased, with the payment for such gas to be made on or before the ~~twenty-fifth~~ 10/20/2023 (25th) of the month for all such gas produced during the preceding month, measured as of the date the Lessee collects its gas measurement charts for said lease.

6. RENTALS. Lessee covenants and agrees to pay and Lessor covenants and agrees to accept a minimum annual payment calculated at the rate of One Dollar (\$1.00) per acre for each acre of lands then covered by this Lease, subject to all the other terms of the leased premises while the same is being operated for production purposes, payable quarterly in advance, beginning April 15, 1971, for five (5) years certain up to and including April 14, 1976. Any rental paid during this first five (5) year period for time beyond the date when gas is first marketed, as aforesaid, shall be credited upon the first royalty for gas or oil that may otherwise be due hereunder at any time; provided, however, in any event Lessee shall be guaranteed and shall receive a minimum annual production rental payment based upon One Dollar (\$1.00) per acre per year for each acre originally granted and demised hereunder during such five (5) year period this Lease is in effect, with any well royalty payable hereunder being deducted therefrom by Lessee. Should the first well drilled hereunder during said five (5) year period be a dry hole, or deemed by its Lessee unprofitable to operate, Lessee shall still be obligated during such first five (5) year period only to pay Lessor the minimum amount hereinabove provided until such time during such first five (5) year period as gas is produced in paying quantities or a well entitling Lessor to royalty under Article 5 is completed on said premises. Thereafter the Lessee shall have the right to deduct credit for such royalty from the minimum payment provided above. The aforementioned minimum production rental payment above shall continue at the end of the said five (5) year period ending April 14, 1976 so long as this Lease remains in effect. Lessee may release or surrender all or any portion of the leased premises after April 14, 1976, and thereafter such minimum annual payment shall be proportionately reduced with Lessee paying Lessor at the rate of One Dollar (\$1.00) per acre per year for the acreage upon which the leasehold interests and rights are retained.

10/20/2023

7. CONVERSION TO STORAGE. Lessee shall have the exclusive right at any time during the time this Lease is in effect, provided the native gas reserves in the reservoir have previously been depleted to 75 percent of their original volume as estimated by Lessee prior to conversion to gas storage operations, to employ any depleted oil or gas stratum underlying premises for the storage of gas and may for this purpose reopen, redrill and restore to operation any and all abandoned wells on the premises which may have penetrated said depleted stratum, or may drill new wells thereon for the purpose of freely introducing and storing gas in such stratum and recovering the same therefrom. It is understood that a well need not be drilled on the premises to permit storage of gas, and it is agreed that Lessee shall be the sole judge as to whether gas is being stored within the leased premises and its determination shall be final and conclusive. As full compensation for the storage rights herein granted and in lieu of all delay rental or minimum annual production payment as defined, royalty otherwise provided hereunder to be paid to Lessor for the right to produce or for the production of stored gas from the leased premises, Lessee agrees to pay Lessor an annual storage rental of Two Dollars (\$2.00) per acre in advance commencing with the date of utilization of any depleted stratum for storage purposes and for as long thereafter as the stratum so is utilized. Lessee further agrees to pay Lessor, in addition to surface damages provided in Article 8 as liquidating damages for the drilling, operation, and maintenance of each well on the premises which is utilized for storage of gas, as well as for the necessary or useful surface rights and privileges relating thereto, for the entire term of this agreement, the sum of One Hundred Dollars (\$100.00) as damages payable in one sum within three (3) months after each well now existing or hereafter drilled upon the premises is so utilized. Lessee agrees to give Lessor written notice of the use of the leased premises or of any wells drilled thereon for the storage of gas.

10/20/2023

This Lease shall never be forfeited due to failure of Lessee to make or tender any proper payment to the party or parties entitled thereto, nor due to any failure by Lessee to perform any obligation or covenant hereunder unless the Lessee shall have received written notice of such failure or after receipt of such notice, fails to make proper payment or perform any such obligation hereunder within thirty (30) days from the receipt of such notice if Lessee is actually in default.

8. MANNER OF OPERATIONS AND LESSEE'S LIABILITY FOR DAMAGES. Lessee shall bury, when so requested by Lessor, all pipelines used to produce and transport gas or oil off the premises and shall pay all damage to growing crops caused by operations under this Lease.

Lessee shall pay to Lessor the fair amount of any surface damage occasioned by the acts of it or its agents while operating under the authority of this Lease Agreement. In this sense, timber and pulpwood are considered a "growing crop," as referred to in the preceding paragraph.

9. ENTIRETY. If the leased premises are now or hereafter shall be owned severally or in separate tracts, the premises shall nevertheless be developed and operated as one lease and there shall be no obligation on the part of the Lessee to offset wells on separate tracts into which the land covered by this Lease may hereafter be divided by sale, demise, descent or otherwise. This severalty clause shall extend to but not be limited by the fifty (50) acre parcel hereinbefore described covered by the lease to Randolph Gas Company.

10. OUTSTANDING INTEREST. Acreage rentals, or royalties on any well, or wells paid and to be paid, as herein provided, are and will be accepted by Lessor as adequate and full consideration to render it optional with Lessee as to whether or not it shall

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drill a well or wells to offset producing wells on adjoining or adjacent premises. Should it be determined that Lessor owns only a fraction of the fee simple in the oil and gas in the above-described lands, then Lessor shall receive such fraction only of the rentals and royalties above specified. This Lease shall extend to and bind any interest or estate in the oil and gas in the above-described lands hereafter acquired by Lessor.

11. PAYMENTS. All payments that become due Lessor hereunder may be made direct to Lessor by check, made payable and mailed or personally given direct to Harry McMullan, Jr., Agent, at Route #5, Box 394, Washington, North Carolina 27889, whichever method Lessee may elect at the time of each such payment, or in either of said methods to Harry McMullan, Jr., who is hereby appointed agent to receive and receipt for the same and to receive all notices given by Lessee as provided herein.

12. FREE GAS. Lessor excepts and reserves the right to lay a pipeline, at Lessor's expense, to any one (1) well only drilled by Lessee on said leased premises pursuant to the terms of this Lease and producing gas only, and to take gas produced from such well so long as Lessor operates this Lease, to an amount not exceeding two hundred thousand cubic feet per year, free of cost for Lessor's own use for heat and light in one dwelling house on said land at Lessor's risk, subject to the Lessee's rights of use, operation, pumping, and right of abandonment of such well by Lessee. Lessor agrees that all gas in excess of two hundred thousand cubic feet taken and used in each year shall be paid for by Lessor at the current published rates of Lessee's affiliated distribution company that is or may then be delivering gas at retail in the area nearest to the leased premises, and that said excess gas shall be delivered by Lessor for the account of said affiliated retail distributor, that the measurement 10/20/2023 thereof shall be by meter and regulators set at the valve on the well, that such gas so taken shall be used with economy, in safe

and proper pipes and appliances, and that Lessor shall subscribe to and be bound by the reasonable rules and regulations of Lessee and its affiliated retail distribution company, published at that time relating to such taking and use of gas. Lessor expressly gives Lessee the right in advance if Lessee is requested by its affiliated retail distribution company to deduct the cost of any gas used by Lessor in excess of two hundred thousand cubic feet per year from any royalty or shut-in royalty payments otherwise due to Lessor under this Lease. Lessor further agrees to accept at any time at the option of Lessee a cash payment of Seventy-Five Dollars (\$75.00) per annum as full consideration and compensation in lieu of the right to take and use such quantity of gas free of cost. This agreement of Lessor shall extend to and bind any surface owner or tenant occupying the same premises covered by this Lease.

13. SURRENDER. It is agreed that Lessee at any time after the first five (5) years from the effective date of this Lease shall have the right to surrender or cancel this Lease on all or any part of the acreage by delivering or mailing to the Lessor notice of such surrender or placing the same of record in the proper county where acreage included therein is located, upon the payment or tender of One Dollar (\$1.00) to Lessor and all other amounts then due Lessor as provided herein, and thereupon Lessor shall be released and discharged from all payments, obligations, covenants and conditions herein contained and this Lease shall be null and void as to the land in respect to which a surrender is made. In the event of a surrender by Lessor of all its rights on a part of this leased acreage only, thereafter the amount of delay rentals provided above shall be reduced proportionately on an acreage basis, but as to the portion of the acreage not released, the terms and provisions of this Lease shall continue and remain in full force and effect for all purposes.

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14. CONVEYANCE OF PREMISES. In case of a conveyance of all or a part of the above-described land, Lessee may continue to make all payments to Lessor until furnished with a certified copy

of any such need of conveyance or other documents or proof to enable Lessee to identify the land conveyed as being all or part of said land; or on written notice of any such conveyance Lessee may hold all payments until furnished with such copy of other documents or proof, and in case of any division of the leased premises after this Lease is executed shall apportion the rental according to acreage.

15. FEDERAL AND STATE LAWS. All express and implied covenants of this Lease shall be subject to all Federal and State laws, executive orders, rules, regulations and requests, including but not limited to drilling, reworking and producing operations, and this Lease shall not be terminated in whole or in part nor Lessee held liable in damages for failure to comply therewith, if compliance is prohibited by, or if such failure is the result of any such law, order, rule, regulation or request whether or not subsequently determined to be invalid; or because of Lessee's failure to comply with any express or implied covenants of this Lease if such failure is the result of governmental authority, war, Act of God, acts of the public enemy, wars, insurrections or riots, strike, exhaustion or unavailability or delays in delivery of any product, labor, service or material, fire, explosion, flood, lockouts, or any other cause reasonably beyond the control of Lessee.

16. ASSIGNMENT. All or any part of interests and rights acquired under this Lease may be assigned to any reputable firm or corporation approved by Lessor but said assignment shall not be in effect until such time as Lessee notifies the agent of Lessor, Harry McMullan, Jr., by certified mail, addressed to Route #5, Box 394, Washington, North Carolina 27889, and in such notice specifically advises the rights and interests to be assigned, to whom they are proposed to be assigned and a copy of the proposed assignment agreement. After such assignment has been approved by Lessor and returned to Lessee with evidence of such approval,

Lessee shall furnish said McMillan with the recording data covering said assignment. The above right of assignment and the Lessor's approval thereof shall not extend to and include the already approved merger of the Lessee into Columbia Gas Transmission Corporation and Lessee's rights in said lease thus acquired by said Columbia Gas Transmission Corporation as a result of said merger and consolidation shall not be affected in any way by said merger and consolidation. Lessor expressly waives the approval and notice requirement provided above with respect to this transfer of interests and rights of Lessee to Columbia Gas Transmission Corporation.

17. This Lease, together with its terms, conditions and

17A. DEFERMENT OF DRILLING OPERATIONS. The Lessee has the option at all times while this lease is in effect to drill or not drill, provided the minimum annual rental hereinbefore provided is paid to Lessor. This latter provision shall not extend to relieve Lessee of any implied covenant Lessee would otherwise have to drill any offset well or wells on the leased premises to protect the same from drainage while Lessee retains the same, with the understanding however that no offset drilling obligation shall arise with respect to the one (1) existing well now owned by Randolph Gas Company.

Handwritten notes:
1/20/23
2012

year first above written.

ATTEST:

(Asst) J. S. McMillan
(Asst) Secretary

GOFF ARNOLD LAND COMPANY

By Harry W. Hurler
President

ATTEST:

S. M. Trull
Assistant Secretary

THE MANUFACTURERS LIGHT AND HEAT CO

By Robert S. Ryan
Vice President

10/20/2023

These shall furnish said Notular with the recording data covering said assignment. The above right of assignment and the Lessor's approval thereof shall not extend to and include the already approved merger of the Lessee into Columbia Gas Transmission Corporation and Lessee's rights in said lease thus acquired by said Columbia Gas Transmission Corporation as a result of said merger and consolidation shall not be affected in any way by said merger and consolidation. Lessor expressly waives the approval and notice requirement provided above with respect to this transfer of interests and rights of Lessee to Columbia Gas Transmission Corporation.

17. This Lease, together with its terms, conditions and provisions, shall extend to and be binding upon the parties and their respective successors and assigns. Reference herein to Lessor and Lessee shall include reference to their respective successors and assigns.

18. ENTIRE CONTRACT. It is agreed that no verbal representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying, or as an inducement to execute this agreement.

WITNESS the following signatures and seals the day and year first above written.

ATTEST:

(Asst) A. S. McMillan
(Asst) Secretary

GOFF ARNOLD LAND COMPANY

By Harry W. Mullens
President

ATTEST:

[Signature]
Assistant Secretary

THE MANUFACTURERS LIGHT AND HEAT CO

By Robert S. Ryan
Vice President

10/20/2023

STATE OF New Jersey
COUNTY OF Bergen

TO WIT:

I, Shirley B. Chesson, a notary public of said county, do certify that Harry McMullan, Jr. who signed the writing above (or hereto annexed), bearing date the 15th day of June, 1971, for GOFF ARNOLD LAND COMPANY, a corporation, has this day in my said county, before me, acknowledged the said writing to be the act and deed of said corporation.

Given under my hand, this 14th day of June, 1971.

My Commission Expires:

January 11, 1975

Shirley B. Chesson
Notary Public

COMMONWEALTH OF PENNSYLVANIA
~~STATE OF PENNSYLVANIA~~
COUNTY OF ALLEGHENY

TO WIT:

I, Edward S. Jones, a notary public of said county, do certify that Robert S. Ryan, who signed the writing above (or hereto annexed), bearing date the 14th day of June, 1971, for THE MANUFACTURERS LIGHT AND HEAT COMPANY, a corporation, has this day in my said county, before me, acknowledged the said writing to be the act and deed of said corporation.

Given under my hand this 28th day of June, 1971.

My Commission Expires:

EDWARD S. JONES, Notary Public
Pittsburgh, Allegheny County, Pa.
My Commission Expires
September 24, 1974

Edward S. Jones
Notary Public

10/20/2023

RECEIVED

NOV 30 1983



Date November 4, 1983
 Operator's _____
 Well No. A-1282
 Farm McMullan
 API No. 47 - 083 - 0737

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: 2648' Watershed Mulberry Fork
 District: Roaring Creek County: Randolph Quadrangle: Cassity 7.5'

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

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

SURFACE OWNER Neva McMullan
 P.O. Box 8
 ADDRESS Washington, N. C. 27889

MINERAL RIGHTS OWNER Westvaco
 ADDRESS 203 Randolph Ave., Elkins, W.Va.

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

PERMIT ISSUED December 8, 1982

DRILLING COMMENCED August 4, 1983

DRILLING COMPLETED August 10, 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"	850'	850'	to surface
7"			
5 1/2"			
4 1/2"	5273'	5273'	w/450 sks. 3250'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMAION Elk DEPTH 5300 FEET

Depth of completed well 5285 feet Rotary xxx / Cable Tools _____
 Water Strata depth: Fresh 48' & 375 feet Salt _____ feet
 Coal seam depth: 593-598 & 657-661 Is coal being mined in this area? _____

OPEN FLOW DATA

Producing formation 1st & 2nd Elk, Benson Pay zone depth (see back) _____ feet
 Gas: Initial open flow 63 Mcf/d Oil: Initial open flow _____ Bbl/d
 Final open flow 2419 Mcf/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 2 hours
 Static rock pressure 1200 psig (surface measurement after 96 hours shut-in
 (If applicable due to multiple completion--)

Second producing formaiton _____ Pay zone dpeth 10/20/2023 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)

RECEIVED
NOV 3 1983

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

Well was fractured August 16, 1983
 Perforations: 3718 - 3723
 2728 - 3734 Benson
 5026 - 5030
 5033 - 5038 1st Elk
 5137 - 5142 2nd Elk

DEPT. OF MINES

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	12	water @ 48'
Sand & Shale	12	593	1" water @ 375
Coal	593	598	Gas check @ 1451' No show
Sand	598	657	Gas check @ 1616' No show
Coal	657	661	Gas check @ 1804' No show
Sand & Shale	661	890	Gas check @ 1897' No show
Red Rock	890	932	Gas check @ 2177' No show
Shale	932	1172	Gas check @ 2333' 21 MCF/D
L. Lime	1172	1190	Gas check @ 2458' 14 MCF/D
Shale	1190	1240	Gas check @ 2991' 14 MCF/D
L. Lime	1240	1262	Gas check @ 3272' 14 MCF/D
Shale	1262	1314	Gas check @ 3522' odor
B. Lime	1314	1456	Gas check @ 4432' No show
Injun	1456	1575	Gas check @ 4779' No show
Sand & Shale	1575	1835	Gas check @ 4934' No show
Gordon	1835	1850	Gas check @ 5285' 63 MCF/D
Sand & Shale	1850	2395	
Speechly	2395	2381	
Shale	2381	2930	
Balltown	2930	2960	
Sand & Shale	2960	3762	
Benson	3762	3783	
Sand & Shale	3783	5285 T.D.	

(Attach separate sheets as necessary)

ALAMCO, Inc.

Well Operator

By:

Raymond P. Donoz

Vice President Oil & Gas Operations

Date:

November 4, 1983

10/20/2023

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
 FEB 19 1985
 OIL & GAS DIVISION
 DEPT. OF MINES

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

Permit No. 083-0737 County Randolph
 Company ALAMCO, INC. District Roaring Creek
 Inspector PHILLIP TRACY Farm Neva McMullan
 Date December 6, 1983 Well No. A-1282 Issued 12-8-82

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 strength	_____	_____
23.02	Maintained access roads	_____	_____
25.01	Necessary equipment to prevent waste	_____	_____
23.03	Reclaimed drilling site	_____	_____
23.04	Reclaimed drilling pits	_____	_____
23.05	No surface or underground pollution	_____	_____
7.05	Identification markings	_____	_____

COMMENTS: _____

I have inspected the above well and have found it to be in compliance with the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia, and the well can be released from the permitted work.

SIGNED: Phillip Tracy
 DATE: 2-11-85

10/20/2023



State of West Virginia
 Department of Mines
 Oil and Gas Division
 Charleston 25305

Barton B. Lay Jr.
 Director

Theodore M. Streit
 Administrator

February 21, 1985

Alamco
 P. O. Drawer
 Clarksburg, WV 26301

In Re: PERMIT NO: 47-083-0737
 FARM Harry & Neva McMullan
 WELL NO: A-1282
 DISTRICT: Roaring Creek
 COUNTY: Randolph
 ISSUED: 12-8-82

Gentlemen;

The FINAL INSPECTION REPORT for the above captined well has been received in this office. Only the column checked below applies:

 The well designated by the above permit number has been released under your Blanket Bond.

 Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

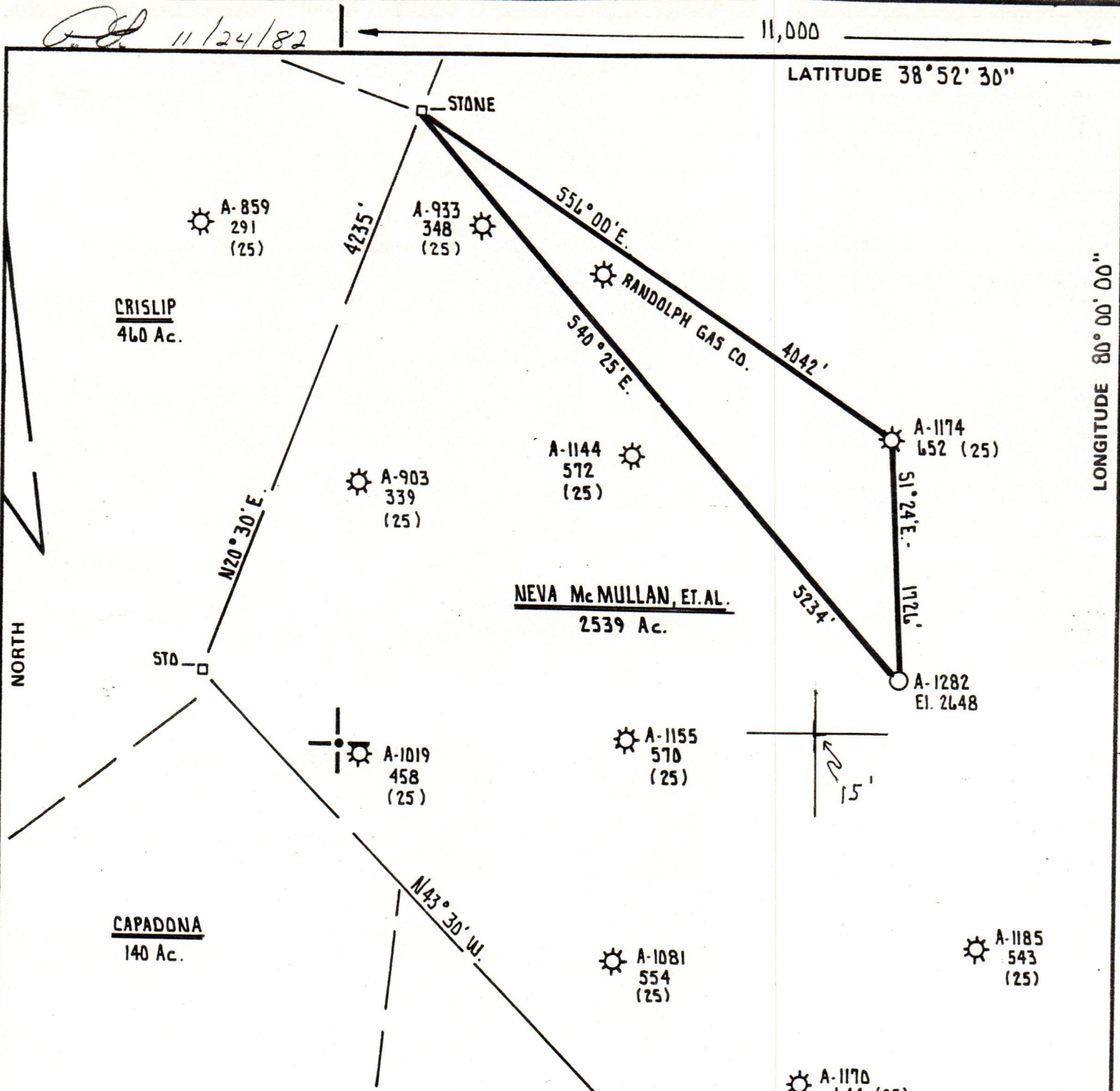
XXXXX Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captined well will remain under bond coverage for life of the well.

Very truly yours,

Theodore M. Streit, Administrator
 Office of Oil & Gas--Dept. Mines

TMS/ nw

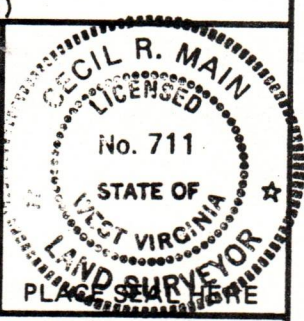
10/20/2023



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION API 0652
ELEV. 2658'

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE NOVEMBER 3rd, 19 82
 OPERATOR'S WELL NO. A-1282
 API WELL NO. 47-083-0737
 STATE _____ COUNTY _____ PERMIT _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

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

LOCATION: ELEVATION 2648' WATER SHED MULBERRY 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. COL. 34739

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 and MINERAL CO. DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.D. BOX 1740 ADDRESS P.D. BOX 1740
CLARKSBURG, WEST VIRGINIA 26302-1740 CLARKSBURG, WEST VIRGINIA 26302-1740

10/20/2023