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2)	Operator's	70	1600		

Operator's	==	
Well No	7B -	168

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	083	0734

DRILLING	CONTR	ACTOR:

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DRILLING CONT	RACTOR:				STAN SENTER LINES	3) AFI	State	County Permit
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P. O. Drawe							#7B-	1682
		6201			GAS WELL PERMIT	APPLICATION	che caratel cente	4A) **Oil** are
Buckhannon,							d throi Limon ne i	
4) WELL TYPE	The State of the S						handerground	
5) LOCATION:					Underground st Watershed:			/ ShallowX/)
3) LOCATION.	Distri	ct: Roa	ring Cr	eek	County: Rar	do1ph	Quadrangle:	Cassity
6) WELL OPER								Drilling, Inc. Drawer 40
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7) OIL & GAS ROYALTY C	WNED	Harry	McMulla	n III	Agent		THE RESERVE OF THE PARTY OF THE	C. Valizaire, or.
Address			Box 8			2) COAL OPERAT	of od the timesa	(b) Before a
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Acreage	3,719	9						ATION ON RECORD:
8) SURFACE O					1400		ry McMullan,	III, Agent
Address	-		Rando1ph		2		P. O. Box 8	C SIMPORT ST
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10) OIL & GAS							Coal Company	
Name Rob					20074		O. Box 967	A SECURITY OF THE PROPERTY OF
Address			345		agent of a residence		Indianapolis,	Indiana 46206
15) PROPOSED					/ Redrill			v Wolfe
13) PROPOSED	WORK.				/ Perforate n			FINED
					pecify)		IN S	GOVE III
16) GEOLOGICA	AL TARGE	TFORM	ATION.	E1k			10180	
17) Estimate	d depth of c	completed	well,	55	feet feet	awertaile of a co	NOA	0 1 1982
18) Approxi	mate water	strata dep	ths: Fresh,		feet;	salt,	feet.	noile/elf
				•	Is coa	l being mined in the a		GAS DIVISION
20) CASING AN	D TUBINO	PROGR	RAM	a-3-05 b	pice short in it	er ghillionica fin		
CASING OR TUBING TYPE		SP	ECIFICATION Weight			E INTERVALS	CEMENT FILL-UP OR SACKS	OF MINES
as 	Size	Grade	per ft.	New Used	For drilling	Left in well	(Cubic feet)	Tet Las reco
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21) EXTRACTION Check and pr		《西西州山东省》 《北京诗》	owing:	üks rapg 1	mai nu nijama		in Labour paddy	at daj ir ba
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22) ROYALTY P			nielinie ol		Herry relies to 1	company of the		
								ng for flat well royalty or any e of oil or gas so extracted,
produced or r	marketed?	Yes 🗌	No XX	ripil sis s	straf laur blie (e	cocyto (and to).	aracio Japon destruir	stock of E. Chi.
				eded. If the	answer is Yes, you	nay use Affidavit Fo	orm IV-60.	waked di
23) Required Cop24) Copies of thi				closed plat a	and reclamation plan	have been mailed by	registered mail or de	livered by hand to the above
								cation to the Department of
Mines at Cha	arleston, W	1	1/1	0			11/	1 of
Notary:	naron		Rell	ey	Harmon Bay an	Signed:		elly
My Commissio	n Expires_	5/	22/89	/	CODI 05 4-5	Its: Joseph	C. Pettey,	Vice President of
			/		OFFICE USE C	NLY	PARTER SOR	Production
					DRILLING PE	PMIT		
Permit number	47-083	3-0734				No	ovember 19	10/20/2023 82

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.)

ermit expires	July 19			unless drill	ing is commenced	prior to that date	and prosecuted with	due diligence.
Blanket	Agent: & R	Plat:	Casing	Fee 049050	Ad	ministrator, Offi	ce of Oil and Gas	Date:

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 then 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.
 - 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.

..... respect and correction and cost lesses not or betwee the day of the mail og or delicery of this Desmit Apply also the Department of

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amined this proposed well lo	cation. If a mine map ex undersigned has no object	ists which covers the ar	ea of the well locationsed to be done at thi	10/20/2023 nder this well location has ex- on, the well location has been is location, provided, the well erning regulations.
and prosecuted with due difference.	is convinence a palyrow that our	grillits examp		
Date:	, 19	DE SP By	WXSM	Somet In
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1)	Date:	January 13,	, 19_84
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2) Operator's Well No.

083 3) API Well No. State County Permit

APPLICATION TO RENEW PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

Address Post Office Drawer 40 Buckhamnon, W 26201 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Phillip Tracy Address General Delivery Ellamore, W 26267 10) PROPOSED WELL WORK: Drill X Drill Plug off old formation Other physical change in well (specify) 11) GEOLOGICAL TARGET FORMATION, Elk Stimulate A S	LOCATION: Elevation: 2560¹ Watershed: Flatbush Fork County: Randolph Quadrangle: Cassity WELLOPERATOR Union Drilling, Inc. Address Post Office Drawer 40 Buckhannon, WV 26201 OIL & GAS INSPECTOR TO BE NOTIFIED Name Phillip Tracy Address General Delivery Ellamore, WV 26267 PROPOSED WELL WORK: Drill X Drill Pluy off old formation Other physical change in well (specify) GEOLOGICAL TARGET FORMATION, Elk X 5500 feet 13) Approximate coal seam depths: Presh, Protriming Inc. Stimulate X Programme In the mare? Programme In the mare	Address OIL & GAS IN Name Address OPROPOSED W OBCOLOGICAL 12) Estimated of 13) Approxima 14) Approxima 14) Approxima 14) Approxima 15) CASING AND CASING OR TUBING TYPE conductor 11 resh water oal termediate 8 reduction 4 abing	Distractor Post Buck SPECTO Phill Gene Ella WELL W	ict: Rounior Offi hanno OR TO ip Tr ral I more, ORK: ET FOR complet depths: eam dep G PROG SPEC Grade	paring Drill ice Dra On, WV BE NOTH CACY Deliver WV Drill Plug of Other p MATION ded well, Fresh, ths: GRAM CHICATIONS Weight per ft.	Creek ling, Incawer 40 26201 FIED ry 26267 X / Diff old formate physical change i, Elk X 550 ? s New Used X	watershed:	Flatbush F Randolph 7) DESIGNATE Address 9) DRILLING C Name Un Address / Redrill ate new formation , ? al being mined in the NTERVALS Left in well 20'	Quadrangle: Quadrangle: DAGENT JOSEP Post Office Buckhannon, CONTRACTOR: ion Drilling, Post Office Buckhannon, Stimulate feet. feet. cement fillup OR SACKS (Cubic feet) to surface	Cassity h C. Vanzant, Jr Drawer 40 WV 26201 Inc. Drawer 40 WV 26201 X DIGCETV JAN 1 6 1984 OIK MOGAS DIVIS EPT. OF MILL Kinds Sizes WEAT
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NOTE: Keep one copy of this permit posted at the drilling location.



OFFICE USE ONLY

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

OIL 810GAS DIVIDIO

OFFICE USE ONLY

DRIVELING BERMIT

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

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

Date

Date(s)

Application received

Follow-up inspection(s)

Well work started

Completion of the drilling

This permit covering the well operator and well location shown below's evidence of permission granted to crid in accordance with the perment personal confirmence is the Liveries (Majorit Cost inspector, (Refer to confirmence)). Well Record received

Reclamation completed by a described in the Notice and .,, rollcation, plat, and registration plat, subject to any modifications and absorbed by a described by the permitted work is as described in the Notice and .,

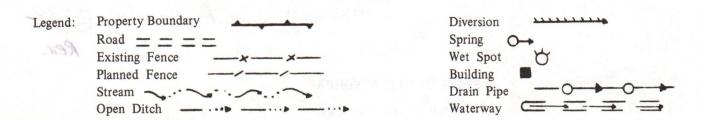
OTHER INSPECTIONS

Reason:

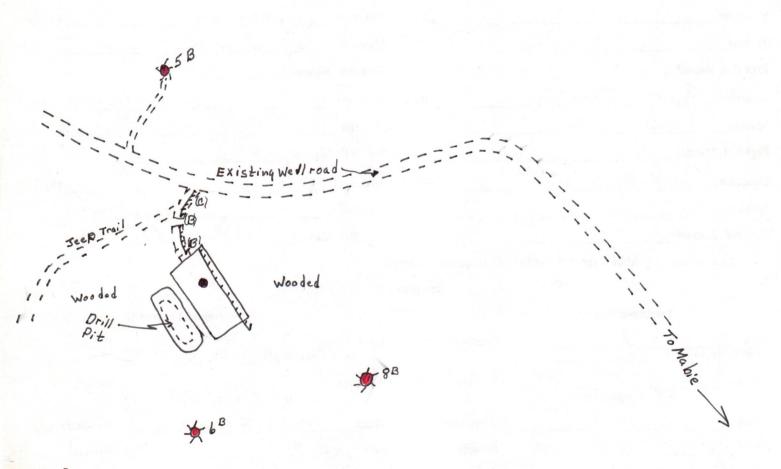
Vo. 3) Prior to the construction of read, Jurations and, sits fee the prefetted work. In addition, the well operation

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

		Date		19 82
191110		Well No. 4682	78	
RECEIVED		API No. 47	- Randolph-	0734-
JAN 18 1982		State	County /	Permit Ren
Tygart Valley Soil Conservation District				
Form IV-9 (01-80)	STATE OF WES	/	1	
31118	OFFICE OF O	IL AND GAS	oseph CZ	Jann out
Company Name Union Drillin	a Inc.	Designated Agent	oseph C. Z	Inc. 8
Address P.O. Drawer 40, Buc			Drawer 40, Buch	. 1 .
Telephone 473-4610			172-4610	Harring to Up
Landowner WestVaco Harry	Mc. Mullan Al Agen			aller
Revegetation to be carried out by Un	ion Drill	ing Inc.	/ /	(Agent)
This plan has been reviewed by Ty	/	4 4 1		become a part
of this plan. 1/16/82	Que	1 . 1	Jean Fre	
(Date)	0'	(SCD Agent)	/ //	
Access Road			Location	
Structure			rsion	
Spacing			then	
Page Ref. Manual		Page Ref. Manual		-
Structure Cross Drains	(B)	Structure	MESSIN.	(2)
Spacing 250'±		Material	WE SER	1511
Page Ref. Manual		Page Ref. Manual	NOVO 1 19	182
Structure Roadway Ditch	(C)	Structure	1/0 / 0 1 10	(3)
Spacing		Material		
Page Ref. Manual		Page Ref. Manual	DEPT. OF	MINES
All structures should be inspected regularly	y and repaired if nece	essary.		
	Revegeta	ation		
Treatment Area I			Treatment Area II	
Correct to pH 6.5	Tons/acre	Lime or correct to pH	3	Tons/acre
Fertilizer 600 (10-20-20 or equivalent)	lbs/acre		20 or equivalent)	lbs/acre
Mulch	Tons/acre	Mulch	20 or equivalent)	Tons/acre
Seed* Ky 31 30	lbs/acre		30	lbs/acre
Birds foot 10	lbs/acre	Firds Pa	1	lbs/acre
Domestic Rue 10	lbs/acre	Dome & +	Lic Rie 10	lbs/acre
*Inoculate all legumes such as vetch, trefoil and				
^				amount.
Attach or photocopy section of involved Topo	graphic map. Quadra	angle Cassity	7.5	· · · · · · · · · · · · · · · · · · ·
Legend: Well Site	1000	0 208 2	19 Strip O 2575× Mine	28
Access Road Gas Well	2600		O 2575× WIIII	1577
may or estals)	7 /2/10	10/2	0/2023
2743		9/19	10/2	- J
R			2565	
	REEK Flatt	oush ()) !	THE TO SEE TO	J) LAN
	Flate	2000 (0227)		
	1/2	355	# 6BO	2400
	1666		0)	



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



Comments: All commercial timber to be cut + Stacked. All brush + Small trees to be

Cut + disposed of before, dirt begins. All slopes to be 2: lexcept in rock.

Roadway grade. - 5 %

Signature: Danny O'Morgan P.O. Manue 40, Buckhannow Wa. 472-460

Agent Phone Number

10/20/2023

Please request landowners cooperation to protect new seeding for one growing season.

1) Date: January 13

2) Operator's Well No.

7B-1682 3) API Well No. 47

083

State County

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

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

1) SURFACE OWNER(S) OF RECORD TO BE	SERVED	5(i) COAL OPERATOR	
(i) Name Westvaco		Address	
Address 203 Randolph Avenue			
Elkins, WV 26241		5(ii) COAL OWNER(S) WITH DECLARA	TION ON RECOR
(ii) Name		Name Harry McMullan , III	-
Address	Charles Charles # 15	Address Post Office Box	
		Washington, NC	27889
(iii) Name	413 951	Name	
Address P 471	410 331	Address	
RECEIPT FO	R CERTIFIED MAIL	i) COAL LESSEE WITH DECLARATI	ON ON RECORD.
	COVERAGE PROVIDED-	Name AMAX Coal Company	on on theore.
	NTERNATIONAL MAIL	Address Post Office Box	967
	ee Reverse)	Indianapolis, In	ndiana 46206
TO THE Westvac	0	this Form and the following documents:	9
· · · · · · · · · · · · · · · · · · ·	dolph Avenue	IV-2(B) (or Form IV-4 if the well is lived in the drilling or other work,	
P.O. State and 2	IP Code	f applicable, the proposed casing and	
(2 EIKINS,	WV 26241	ation on Form IV-6; and	
Postage	\$ 10	IV-9)unless the well work is only to ion and sediment control and for	
TH Certified Fee			
WHICH A	THE STANTS IN THE	J HAVE RIGHTS REGARDING THE APPLICATION SE SIDE OF THE COPY OF THE APPLICATION	
(FORM I ACTION : Special Delivery	Fee Borra Yeur Harin	OU ARE NOT REQUIRED TO TAKE ANY	
Tal erator Restricted Delive	ry Fee	inia Code, the undersigned well op-	
for a W. Departmy Return Receipt S	Showing	fice of Oil and Gas, West Virginia	
and dep to whom and Da	te Delivered	ion described on attached Application ice, the Application, the plat, and the	
Construi Return Receipt Shipy hand		gistered or certified mail or delivered in certain circumstances) on or	
before 200	The second second	or.	
6) EXTR	and Fees // S	· POSTE	PENTARE
Check Postmark of Dat	100		SIGN A [E]
□ Ir 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	004	g contract or contracts by which	7)1
KKTT C	W	(See reverse side for specifics.)	AN 1 6 1984
7) ROYAL 5	erwhere or marker the or	gas based upon a lease or leases OIL &	& GAS DIVISION
or ot A	acts providing for that	1 royalty or any similar provision	
to the volume of oil or ga	s so extracted, produce	1 royalty or any similar provision n place which is not inherently related Place or marketed? Yes No XX	. of MINE
		onal is needed. If the answer is Yes,	
you may use Affidavit Form	IV-60.	To hooded! II die dishel Is les,	
See the reverse side	for line item instructi	ons, and for instructions concerning	
tne required copies o Reclamation Plan.	f the Notice and Applic	eation, plat, and Construction and	
The truth of the information on the	Δ.	WELL	
Notice and Application is verified		OPERATOR Union Drilling, Inc.	
and sworn to and the Notice is		Visit on on billing, inc.	
signed on behalf of the Well Opera	tor	By coul (of etting	
in my County and State by		Its Vice President of Producti	ion
Joseph C. Pettey	10.04	Address Post Office Drawe 40	
this 13 day of January	19 84.	Buckhannon, WV 26201	
My commission expires 13	19 <u>93</u> .	Telephone 304-472-4610	
Millar N Timpfell			
	nty,	10/2	20/2023
State of West Virginia		. 3/2	

	INETER	SIIS	<u>TO</u>	PLICANI			
CON	P 471 413	942	100	P 471 413	943		
RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)				RECEIPT FOR CERTIFIED MAIL			
			.l & G∈	NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)			
	Sent to Harry McMullan,	III	ved wi	Sent to			
	P. O. Box 8		than t	AMAX Coal Company Street and No. P. O. Box 967 P.O., State and ZIP Code Indianapolis, IN 46206			
5 (38) 2 1	Washington, NC 2	7889	ım, pa				
ii, ii	Postage	\$	oper so	Postage	\$		
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E	Restricted Delivery Fee		*	Restricted Delivery Fee	and a second		
CON	Return Receipt Showing to whom and Date Delivered	R FEELER	SERV]	Return Receipt Showing to whom and Date Delivered	2 8		
200	Return Receipt Showing to whom, Date, and Address of Delivery	cation s	02 pro	Return Receipt Showing to whom, Date, and Address of Delivery			
19	TOTAL Postage and Fees	\$100 12	ed by % in 1:	TOTAL Postage and Fees	\$		
3800, Feb.	Postmark or Date 13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	requin me wel conser 00 80 00 80	Postmark or Date 984			
PS Form	W		de on S 2: Sd	outpus coments) and the			

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.	Gra	ntee, le	ssee, etc.		Royalty	Book Page
Harry McMullan,	III,	Agent	Union	Drilling,	Inc.	14%	$\frac{335}{510}$

OIL AND GAS LEASE

THIS LEASE AGREEMENT, made and entered into as of this lst day of June, 1980, by and between Neva S. McMullan of Dallas, Texas; Florence K. Hoback and John H. Hoback, her husband, of Huntington, West Virginia; Rebecca A. Holtz and Charles Holtz, her husband, of Charleston, West Virginia; Elizabeth A. Vilseck, widow, of Elkins, West Virginia; Esther M. Richter and Charles D. Richter, her husband, of St. Petersburg, Florida, and Esther Lee Cutright and Clifford J. Cutright, her husband, of St. Petersburg, Florida, hereinafter collectively referred to as "Lessor", and Union Drilling, Inc., a corporation, with principal offices at Buckhannon, West Virginia, hereinafter referred to as "Lessee",

WITNESSETH: That for and in consideration of the sum of nine thousand two hundred ninety-seven dollars and fifty cents (\$9,297.50), cash in hand paid, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained, Lessor and Lessee agree as follows:

SECTION 1. RIGHTS OF LESSEE

Subject to the provisions and to fulfill the purposes of this lease, Lessee is granted the exclusive right and privilege to enter, prospect, drill for, mine, extract, remove and dispose of all the oil and gas deposits to a depth of 100 feet below the Oriskany Sands (which is situated at around 7500' below ground level), and reserving to Lessor all rights below this depth in the lands leased, together with the right to construct and maintain thereupon, all works, buildings, plants, waterways, roads, telegraph or telephone lines, pipelines, reservoirs, tanks, pumping stations, drilling locations, or other structures necessary to the full enjoyment thereof for the term of this lease (with the exact location of all items to be subject to Lessor's approval).

DEFT. OF MINES

10/20/2023

SECTION 2. DESCRIPTION OF LAND

The tract of land covered by this lease consists of nine

(9) parcels, totaling 3,719 acres, located in Roaring Creek District

of Randolph County, West Virginia, with reference being made to the

following deeds in Lessor's chain of title (all deeds being of record

in the office of the Clerk of the County Commission of Randolph

County, West Virginia): Deed Book 142, page 146. Reservations of

minerals as follows: Deed Book 158, page 304; Deed Book 156, page 46;

Deed Book 158, page 356; Deed Book 155, page 415; and Deed Book

155, page 418.

Said land is more particularly described as follows:

The following parcels, as shown on "Exhibit A," attached hereto:

	Tract	Acres
Eastern portion of	G-1	3,522
	G-2	57
	G-3	20
	G-4	53
	G-5	34
	G-8	19
	G-9	14
	Total acres	3,719

SECTION 3. LESSEE AGREES:

(A) Rentals and Royalties.

(1) To pay rentals and royalties in amount or value of production received or sold from the leased lands as follows:

Delay Rentals:

Lessee agrees to pay Lessor as delay rentals
\$2.34 per acre or \$8,702.46 for the twelve month period ending
June 1, 1981. For each of the remaining four years of this lease,
the delay rentals to be paid Lessor shall be equal to \$2.34 per

10/20/2023
acre increased by an additional increment equaling the increases in

the U. S. Bureau of Labor Consumer Price Index using the June, 1980 index of 247.6 as base, multiplied by \$8,702.46. (For example, if the CPI stands at 260.6 for June, 1981 Lessee's delay rental for the year beginning June 1, 1981 shall be \$9,148.74) Said delay rental shall be payable quarterly in advance on August 1, November 1, February 1, and May 1.

Delay rentals are not recoupable against production royalties. However, in the event that production royalties are being paid by Lessee, the Lessee, on August 1st of each lease year, shall pay to Lessor the difference between the production royalties paid during the year and the delay rentals or annual rents which would have been paid in the event that no production had existed. It is the intention of the parties by this provision to insure that the lessor receives each year at least an amount equivalent to the delay or annual rentals herein provided, regardless of whether any production is taking place on the leased premises.

Royalty On Production:

Production royalties shall be based on the prices received by Lessee for oil or gas at the well-head, or in tanks on the well-site, in arms-length transactions, yielding the maximum price obtainable by Lessee in that particular situation, with no deductions for any cause whatsoever. In case of oil or gas not sold by Lessee in an arms-length transaction or in case the contract price for the product so sold does not truly reflect the prevailing market value, the selling price for the purpose of computing percentage royalties shall be the prevailing market value in the vicinity of oil or gas of like quality. Lessee agrees to pay Lessor a royalty of 15% of the gross sales price for any gas, oil, condensate or other hydrocarbon removed or sold from the leased premises.

All such production royalties shall be due and payable 10/20/2023 monthly on the last day of the calendar month next following the calendar month in which produced.

All payments to be made to Lessor hereunder shall be made direct to Lessors by check, made payable in the following proportions, and mailed to:

Name and Address	Proportionate Ownership		
Neva S. McMullan P. O. Box 8 Washington, NC 27889	1196 1500		
Esther M. Richter 110 20th Ave. N St. Petersburg, FL 33704	20 1500		
Esther M. Cutright 110 20th Ave. N St. Petersburg, FL 33704	20 1500		
Dr. Florence M. Hoback 2658 3rd Ave. Huntington, WV 25710	$\frac{132}{1500}$		
Elizabeth A. Vilseck 12 S. Randolph St. Elkins, WV 26241	66 1500		
Rebecca A. Holtz 1517 Connell Road Charleston, WV 25212	<u>66</u> 1500		

(B) Statements, Plats and Reports.

At such times and in such form as Lessor may prescribe to furnish Lessor detailed statements showing the amounts and quality of all products removed and sold from the leased premises, the proceeds therefrom, and the amount used for production purposes or unavoidably lost, and plats showing development work and improvements, if any, on the leased lands.

(C) Well Records.

To keep a daily drilling record, a log, and complete information on all well surveys and tests in form acceptable to

Lessor of all wells drilled on the leased lands, and an acceptable record of all subsurface investigations affecting said lands, and to furnish them, or copies thereof, without costs, to Lessor when requested. All information obtained under this paragraph, upon the request of Lessee, shall be confidential.

(D) Inspection.

To keep open at all reasonable times for the inspection of any duly authorized person, the leased premises and all wells, improvements, machinery, and fixtures thereon and all books, accounts, maps and records relative to operations and surveys or investigations on the leased lands or under the lease. All information obtained pursuant to any such inspection, upon the request of Lessee, shall be confidential.

(E) Diligence, Prevention of Waste.

To exercise diligence in drilling and producing the wells herein provided for, to carry on all operations in accordance with approved methods and practice having due regard for the prevention of waste of oil or gas or damage to deposits or formations containing oil, gas, water, coal stratas or other mineral deposits, for conservation of gas energy, for the preservation and conservation of the property for future productive operations, and for the health and safety of workmen and employees; to plug properly and effectively all wells drilled in accordance with the provisions of this lease or of any prior lease or permit upon which the right to this lease was predicated before abandoning the same; to carry out at expense of Lessee all reasonable orders of Lessor relative to the matters in this paragraph, and that on failure of Lessee so to do, Lessor shall have the right to enter on the property and to accomplish the purpose of such orders at Lessee's cost. The absence of a specific request on part of Lessor shall in no way relieve Lessee from property attending to diligent management 10/20/2023 of the resources herein leased.

(F) Taxes.

To pay when due, all taxes lawfully assessed and levied under the laws of the State or the United States, upon improvements, oil and gas produced from the lands hereunder or other rights, property, or assets of Lessee.

(G) Compliance with Laws and Indemnification.

Lessee agrees to conduct its operations hereunder in compliance with all laws of the State of West Virginia and of the United States of America now in effect or as the same may be herein-after amended or enacted, and in compliance with all valid rules and regulations promulgated thereunder, and in that connection agrees to make and file all maps required thereby and to furnish copies thereof to Lessor, and further to indemnify and safeguard and save Lessor harmless from any and all liability arising from Lessee's failure to observe any such laws, rules or regulations. Lessee's obligations hereunder shall survive, if applicable, the termination of this Agreement.

(H) Assignment of Oil and Gas Lease or Interest Therein.

To file with Lessor by registered mail, any instrument of transfer made of this lease or any interest therein, including assignments of record title, operating agreements and subleases. It is agreed that said instrument of transfer with the appropriate recordation data, must be approved by Lessor before becoming valid or binding.

(I) Protection of Surface, Natural Resources, and Improvements.

To take such reasonable steps as may be needed to prevent operations on the leased lands from (1) causing or contributing to soil erosion or damaging crops, including forage, and timber growth thereon and on other lands in the vicinity; (2) polluting air and water; (3) damaging improvements owned by Lessor or other parties; and upon any partial or total relinquishment or cantal 20/20/2000 or expiration of this lease, or at any other time prior thereto when

required and to extent deemed necessary by Lessor to fill any pits, ditches and other excavations, remove or cover all debris, and so far as reasonably possible, restore the surface of the leased land and access roads to their former condition, including the removal of structures as and if required. Lessor may reasonably prescribe steps to be taken and restoration to be made with respect to the leased lands and improvements thereon whether or not owned by Lessor.

(J) Deliver Premises in Case of Forfeiture.

In case of forfeiture, to deliver up to Lessor in good order and condition the land leased including all improvements which are necessary for the preservation of producing wells.

SECTION 4. LESSOR RESERVES:

- (A) The right to permit for joint or several use easements or rights of way, including easements in, tunnels upon, through, or in the lands leased, occupied, or used as may be necessary or appropriate to the working of the same or of other lands and the treatment and shipment of products thereof by or under authority of Lessor, for its purposes. Full rights of ingress and egress.
- (B) All rights and privileges heretofor granted by Lessor or former owners to others. Lessor has leased the coal underlying the leased premises to AMAX, Inc. and this lease is expressly made subject to said lease with AMAX, Inc. Lessee agrees to obtain prior written approval of Lessor's agent, Harry McMullan, III (or such other agent or Lessor he might appoint) for all drilling sittes and pipelines locations, and further agrees to conduct its operations hereunder in such a manner so as not to interfere with coal operations.
- (C) The right to lease, sell, or otherwise dispose of the leased lands, or to dispose of the lands in any way which will not unreasonably interfere with Lessee's operations under this lease.
- (D) The entire ownership and control of the land herein leased, for all purposes other than those for which this lease is made.

Lessor hereby cites the fact that certain of Lessors have sold their undivided interest in the surface estate overlying the leased premises to Westvaco Corporation.

(E) The right to lease the property for oil and gas exploration production and storage below 100' below the Oriskany Sands.

SECTION 5. TERM

This lease shall be in effect from June 1, 1980 to May 31, 1985, and as long thereafter as oil or gas, or either of them, is produced from said lands by the said Lessee, its successors or assigns in quantities the royalties from which exceed the rentals herein provided to be paid.

SECTION 6. UNITIZATION

Lessee may not unitize, pool, or store gas without the express written consent of Lessor.

SECTION 7. MANNER OF OPERATIONS AND LESSEE'S LIABILITY FOR DAMAGES

If requested by Lessor, Lessee shall bury all pipelines used to produce and transport gas or oil off the premises at least 24" deep; otherwise, pipelines may be constructed on top of the surface.

Lessee shall pay promptly for all damage of any nature caused by its operations under this lease, which it is legally obligated to pay, and Lessee agrees to utilize due care to minimize the damages to the area of each well location. Lessee further agrees to move any pipelines to an approved location one time, at its expense, if necessary for the purpose of coal operations.

Lessee agrees that it will consult with and obtain prior written approval of Lessor's agent of all sites for roads, well locations, pipelines or other facilities necessary for production of oil and gas hereunder. Lessor agrees to act within fifteen (15) days upon any request for approval made by Lessee, and, in the 10/20/2023 event that Lessor fails to approve or disapprove such requests

within fifteen (15) days of the submission of the same to Lessor, then the same shall be considered to have been automatically approved by Lessor. Lessor agrees that it will not unreasonably withhold consent to locations of drilling sites, pipelines, roads and other facilities, but reserves the right, as herein set forth, to approve or disapprove the same. In the event that Lessor disapproves any requests, then Lessor agrees to work with Lessee in obtaining a suitable alternate location so as not to unduly delay or hamper Lessee's operations.

Lessee agrees that its operations on the lands will be conducted in conformance with applicable laws and in such manner as will absolve Lessor from liability due to pollution, or discoloration of streams fed by waters from the lands or because of interference with the present bed of such streams or their natural flow. Lessee further agrees to indemnify, protect and hold Lessor harmless against all claims, demands, suits, actions, causes of action, judgments or decrees for personal injury or property damage, asserted by any party because of any act or acts of Lessee or its employees or agents upon any portion of the lands of Lessor whether committed under the terms of this Lease or not. For the purposes aforesaid, Lessee agrees to carry Workmen's Compensation coverages and such liability insurance as will fully protect Lessor. Lessee shall conduct all of its operations and investigations with due regard for the rights of others. Lessee will protect, defend, indemnify and save Lessor harmless from any and all liabilities, claims, demands, actions, losses, costs, damages or expenses, of any nature, resulting from its operations on lands of Lessor.

Failure of either Lessor or Lessee to exercise any of their respective rights hereunder upon the non-performance by the other party of any condition, covenant, or provision herein contained, shall not be construed as a waiver thereof, nor shall the defective 10/20/2023 performance or waiver or non-performance of any such condition,

covenant, or provision upon the part of one party be construed as a waiver of the rights of the other party as to any subsequent defective performance or non-performance hereunder.

The rights, duties, obligations and liabilities of the parties hereto shall be several and not joint or collective; it being the express purpose and intention hereby to create only a lessor-lessee relationship and nothing herein shall ever be construed as creating a partnership duty, obligation or liability.

SECTION 8. SURFACE DAMAGES AND TIMBER

Except as hereinbefore set forth, Lessee agrees to pay to Lessor damages for all surface disturbed by Lessee. In the case of surface area utilized for the construction of roadways, the damaged area shall include only the additional area taken outside of the already established roadway.

Lessor shall have the right and privilege to sell and have removed any and all timber or timber products on the area herein leased, whether damaged by Lessee or not, and Lessee agrees to give Lessor as much notice as practicable of the precise area which it proposes to disturb. Lessee agrees to promptly remit to Lessor the greater of:

- (a) the then current stumpage market value of all timber and pulpwood disturbed by it, as calculated by Westvaco Corporation, OR
- (b) \$250 per surface acre, slope-measure, disturbed by Lessee.

SECTION 9. ENTIRETY AND OUTSTANDING INTEREST.

If the leased premises are hereafter 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 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.

Lessor does not warrant title to the oil and gas herein 20/2023 leased. Should it be determined that a fraction of the fee sample

in the oil and gas in the above described lands is outstanding and adversely owned, then Lessor shall receive as a reduction only such proportionate fraction of the rentals to which it is entitled, and shall refund to Lessee any overpayment made by Lessee to Lessor.

SECTION 10. SURRENDER AND TERMINATION OF LEASE.

Subject to Lessee's agreement and guarantee to pay Lessor at least the minimum delay rental for a period of one (1) year, and subject to ninety (90) days notice, Lessee may surrender this lease by filing at Lessor's office a written relinquishment, which shall be effective as of the date of filing, subject to the continued obligation of Lessee to make payment of all accrued rentals and royalties and to place all wells on the land to be relinquished in condition for suspension or abandonment.

Lessee covenants, agrees and guarantees that minimum delay rental payments will be made for at least one (1) year from the date of this lease.

SECTION 11. REMOVAL OF PROPERTY ON TERMINATION OF LEASE.

Upon the expiration of this lease, or the earlier termination thereof pursuant to the last preceding section, Lessee shall have the privilege at any time within a period of ninety (90) days thereafter of removing from the premises all machinery, equipment, tools, and materials other than improvements needed for producing wells. Any materials, tools, appliances, machinery, structures, and equipment subject to removal as above provided, which are allowed to remain on the leased lands shall become the property of Lessor on expiration of the ninety (90) day period or such extension thereof as may be granted because of adverse climatic conditions throughout said period; provided, that Lessee shall remove any or all of such property where so directed by Lessor.

SECTION 12. FORFEITURE DEFAULT

Lessor shall have a lien for said rents and royalties upon $\frac{10/20/2023}{10}$ all improvements, equipment and property of Lessee upon the lands,

this Agreement and the leasehold estate hereby created. If any installment of rent or royalty shall remain unpaid for fifteen (15) days after written notice of delinquency on the payment of the same, all property of Lessee upon the lands may be distrained and sold to pay such rental or royalty; and in addition thereto, Lessor shall have the right, if it so desires, to enforce and seek remedies by suit or action in any court of competent jurisdiction the lien hereby given it. All provisions in this Lease contained for the collection of rentals or royalties, recovery of possession of the lands, or concerning the remedy in case of breach by Lessee of any condition, covenant or agreement herein contained, shall be deemed cumulative and not exclusive, and shall not deprive Lessor of any other legal or equitable remedies.

In case Lessee shall fail in the performance or observance of any of the terms, conditions, or agreements herein contained, including, but not limited to, the payment of rentals and royalties and if such failure continues for fifteen (15) days after Lessor gives written notice of such delinquency to Lessee, then, at the election of Lessor, this Lease and the leasehold estate created, and all rights of Lessee under this Lease shall automatically become forfeited and cease and terminate, and Lessor shall have the right, without further notice, to re-enter the lands and to take possession of all property thereon, to exclude Lessee therefrom, and to hold and possess the lands as of their former estate. A waiver of any particular cause of forfeiture or re-entry shall not prevent the forfeiture of cancellation of this Lease for any other cause of forfeiture or for the same cause occurring at any other time.

In making any such re-entry or taking possession of the lands, no service of a declaration in ejectment or writ of detinue upon Lessee or upon the tenant in possession shall be necessary; nor shall any notice or process required by any statutes of 0.20/2023 state of West Virginia be necessary. Such re-entry and retaking

possession shall in no wise impair the right of Lessor to recover rentals and royalties accrued up to the time of such re-entry and taking possession. No provision of this lease shall relieve Lessee of the obligation to fulfill the delay rentals owed for the period hereinbefore specified.

Upon cancellation of this lease, any casing, material, or equipment determined by Lessor to be necessary for use in plugging or preserving any well drilled on the leased land shall become the property of Lessor.

No waiver, release, modification, nor amendment of any of the terms, conditions, or provisions of this Lease shall be valid or set up or relied upon by either party hereto or offered in any judicial proceeding or otherwise, unless the same is in writing, duly executed by Lessor and/or Lessee, as the situation may require.

SECTION 13. BANKRUPTCY

Neither this Lease, the estate hereby created, nor the . rights of Lessee created hereunder shall be subject to sale or disposition thereof, in whole or part, under the judgment or decree of any court, or by or through judicial process of law or equity, except for the purposes of enforcing, at the insistence of Lessor, its rights hereunder. If (1) Lessee commits any act of bankruptcy, as the same is presently defined in the U. S. Code, or becomes insolvent, or (2) Lessee shall be unsuccessful in defending any execution attachment or legal process and the lands or any property of Lessee shall be taken in pursuance thereof, or (3) a receiver or trustee of the property of Lessee or any part thereof shall be appointed, or (4) this Lease shall, by operation of the law, devolve upon or attach to any entity other than Lessee, then and in any of said events this Lease and all rights of Lessee hereunder shall, at the option of Lessor, forthwith cease and terminate. 10/20/2023

SECTION 14. HEIRS AND SUCCESSORS-IN-INTEREST.

Each obligation hereunder shall extend to and be binding upon, and every benefit hereof shall inure to, the heirs, executors, administrators, successors, or assigns of the respective parties hereto.

SECTION 15. COUNTERPARTS.

The parties hereto may execute this Agreement in any number of separate counterparts, each of which, when executed and delivered by the parties hereto, shall have the force and effect of an original; but all such counterparts shall be deemed to constitute one and the same instrument.

10/20/2023

WITNESS the following signatures this <u>29th</u> day of January, 1981:

Dr. Florence K. Hoback, 5,6-753)

John H. Hoback, 5,234-14-0430

COUNTY OF <u>Cabell</u>, to-wit:

I, <u>Slemma in Step</u>, a Notary Public in and for said County and State, do hereby certify that

Dr. Florence K. Hoback and John H. Hoback, her husband, who signed the foregoing Lease Agreement, bearing date the 1st day of June, 1930, have this day acknowledged the same before me in my said County and State.

Given under my hand and OFFICIAL SEAL this 29th day of January, 1981.

My commission expires: the <u>28th</u> day of <u>Jan</u>, 19<u>85</u>.

(AFFIX SEAL HERE)

Glonna M Esley Notary Public



Prepared by Robert J. Wallace, Attorney at Law, Buckhannon, West Virginia 26201.

WEST VIRGINIA; RANDOLPH COUNTY CLERK'S OFFICE

FEBRUARY 4 /98/
This instrument was this day presented to me in my office, and thereupon, together with the Certificate thereto annexed, is admitted to record.

Teste: Vergil Hamrick

Clerk

10/20/2023

WITNESS the following signatures this 2700 day of January, 1981.

STATE OF Mest Virginia. COUNTY OF Kananha, to-wit:

I, Stanley E. Sental, a Notary Public in and for said County and State, do hereby certify that Rebecca A. Holtz and Charles Holtz, her husband, who signed the foregoing Lease Agreement, bearing date the 1st day of June, 1980, have this day acknowledged the same before me in my said County and State.

Given under my hand and OFFICIAL SEAL this 29th day of January, 1981.

My commission expires: the /ax

day of Jely , 1981

(AFFIX SEAL HERE)

WEST VIRGINIA; RANDOLPH COUNTY CLERK'S OFFICE

This instrument was this day presented to me in my office, and thereupon, together with the Certificate thereto annexed, is admitted to record.

Vergil Hamrick

Prepared by Robert J. Wallace, Attorney at Law 10/20/2023 Buckhannon, West Virginia 26201.

WITNESS the following signatures this 27 day of January, 1981: aboth W. Durche lizabeth A. Vilseck STATE OF West Virginia COUNTY OF Randolph , to-wit: I, Virgil Hamrick , a Notary Public in and for said County and State, do hereby certify that Elizabeth A. Vilseck, widow, who signed the foregoing Lease Agreement, bearing date the 1st day of June, 1980, has this day acknowledged the same before me in my said County and State. Given under my hand and OFFICIAL SEAL this 27th day of January, 1981. y commission expires: the 18th March , 19 84 . SEAL HERE)

> Prepared by Robert J. Wallace, Attorney at Law Buckhannon, West Virginia 26201.

> > WEST VIRGINIA; RANDOLPH COUNTY CLERK'S OFFICE

FEBRUARY 4/98/
This instrument was this day presented to me in my office, and thereupon, together with the Certificate thereto annexed, is admitted to record.

Teste: Vergil Hamrick Clerk

10/20/2023

WITNESS the following signatures this 27 day of
January, 1981:
Soz Sozurity Esther M. Richter - Esther M. Richter - Esther M. Richter - Charles O. Richter
577-38-7881 Charles D. Richter
STATE OF Florida
COUNTY OF Pinellas , to-wit:
I,, a Notary Public
in and for said County and State, do hereby certify that Esther M.
Richter and Charles D. Richter, her husband, who signed the fore-
going Lease Agreement, bearing date the 1st day of June, 1980,
have this day acknowledged the same before me in my said County
and State.
Given under my hand and OFFICIAL SEAL this 27 day
of January, 1981.
My commission expires: the Notary Public, State of Florida at Large My Commission Expires MARCH 30, 1983
(AFFIX SEAL HERE)
fant Centro
WEST VIRGINIA; RANDOLPH COUNTY CLERK'S OFFICE FBRUACY This instrument was this day presented to me in my office, and thereupon, together with the Certificate thereto annexed, is admitted to record.
Teste: Virgil Hamrick Clerk

Prepared by Robert J. Wallace, Attorney at Law,
Buckhannon, West Virginia 26201.

WITNESS the following signatures this 29 day of January, 1981:

(sther L. Cutright
Esther L. Cutright

Esther L. Cutright

Cliffe J. Cutright

Clifford J. Cutright

STATE OF FLORIDA, COUNTY OF PINELLAS, to-wit:

I, <u>ETHEL M. WALKUP</u>, a Notary Public in and for said County and State, do hereby certify that Esther L. Cutright and Clifford J. Cutright, her husband, who signed the foregoing Lease Agreement, bearing date the 1st day of June, 1980, have this day acknowledged the same before me in my said County and State.

Given under my hand and OFFICIAL SEAL this 29 day of January, 1981.

My commission expires: the Notary Public, State of Florida at Large day of My Commission Expires JAN. 15, 198319

(AFFIX, SEAL HERE)

Ethel M. Walkup
Notary Public

WEST VIRGINIA; RANDOLPH COUNTY CLERK'S OFFICE

This instrument was this day presented to me in my office, and thereupon, together with the Certificate thereto annexed, is admitted to record.

Teste: Vergil Hamnick

Prepared by Robert J. Wallace, Attorney at Law 0/20/2023 Buckhannon, West Virginia 26201.

IV-35 (Rev 8-81)





OIL & GAS DIVISION State of Mest Hirginia

DEPT. OF MINES Department of Mines Bil und Vas Division

Date	October 22, 1984
Operator	's
Well No.	7B - 1682
Farm H	arry McMullan #7B
ADT No	47 - 093 - 0734-Pon

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

IOCATION: Elevation: 2560' Watershed	Flatbush E	Fork		
District: Roaring Creek County F	Randolph	Quadrangl	e Cassit	У
		a to a		
CMPANY Union Drilling, Inc.				
ADDRESS P.O. Drawer 40, Buckhannon, WV 2620		Used in	Left	Cement
ESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing		in Well	fill up Cu. ft.
DDRESS P.O. Drawer 40, Buckhannon, WV 26201				
URFACE CWNER Westvaco	20-16			
DDRESS 203 Randolph Ave, Elkins, WV 26241	Cord. 13-10"	16,001	16,001	
INERAL RIGHTS OWNER Harry McMullan	9 5/8	16.00	16.00'	-
DDRESS P.O. Box 8, Washington, NC 27889	8 5/8	011 651	911.65'	387 cf
OIL AND GAS INSPECTOR FOR THIS WORK	7	911.63	911.03	367 CI
Phil Tracy ADDRESS Gen.Del. Ellamore, WV 2				
PERMIT ISSUED 2/1/84	4 1/2		5249.60'	967 cf
ORILLING COMMENCED 9/27/84	3			
RILLING COMPLETED 10/2/84	2			
F APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			:,
EOLOGICAL TARGET FORMATION Elk		Dep	th_ 550	00' feet
Depth of campleted well 5363' feet	t Rotary xx	_/ Cable	e Tools_	
Water strata depth: Fresh 90', 200 feet	t; Salt no	ne feet		
Coal seam depths: 38/42, 128/31, 502/08	Is coal	being mine	ed in the	area? no
PEN FLOW DATA				
Producing formation Benson, 1,2 & 3 Ell	k Pay	zone dep	th 5148'	feet
Gas: Initial open flow 33 Mcf/c				
Final open flow 237 Mcf/c				
Time of open flow between in				100
Static rock pressure 975# psig(sur		91 THE		
(If applicable due to multiple complete				
Second producing formation		zone dep		20/2023 feet
Gas: Initial open flow Mcf/c				
Final open flow Mcf/c				
Time of open flow between in				A STATE OF THE STA
Static rock pressure psig(surfa	ace measureme	ent) after	hou	rs shut in
Static rock pressurepsig(surfa	ace measureme			rs shut ir verse side

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

Dowell - 2 stage Foam Frac - 10/10/84

3818/22 - Benson - 75,000# sand, 250 Bbls water and 660,000 scf nitrogen 4946 - 1st Elk - 75,000# sand, 270 Bbls water and 845,000 scf nitrogen 5038/42 - 2nd Elk 5148 - 3rd Elk

WELL LOG

FORMATION	COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
	Sand & Shale	0	38	
	Coal	38	42	the company of the section of the contract of
	Sand & Shale	42	128	1/4" stream water @90'
	Coal	128	131	1/4 Scream water 690
	Sand & Shale	131	502	3/4" stream water @200'
	Coal	502	508	3/4 Scredit water 6200
	Sand & Shale	508	1428	
	Big Lime	1428	1562	And the second s
	Injun	1571	1682	
	5th Sand	2212	2274	
	Bayard	2280	2312	
		2823	2834	
	Lower Speechly Balltown	3010	3022	
•			3828	
	Benson	3816		
	Alexander	4411	4435	
	Lower Alexander	4606	4624	
	lst Elk	4939	4962	
	2nd Elk	5038	5090	
	3rd Elk	5144	5180	
	the second secon		5363'	T.D. 10/10ths thru 1" = 33 mcf
-				
	70			
			5000	
	· · · · · · · · · · · · · · · · · · ·			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

(Attach separate sheets as necessary)

Well Operator

By: 10/20/2023

Date: Joseph C. Pettey, Vice President of Production

10/22/84

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 of a well."



State of West Virginia

Bepartment of Mines Gil and Gas Vivision Charleston 25305

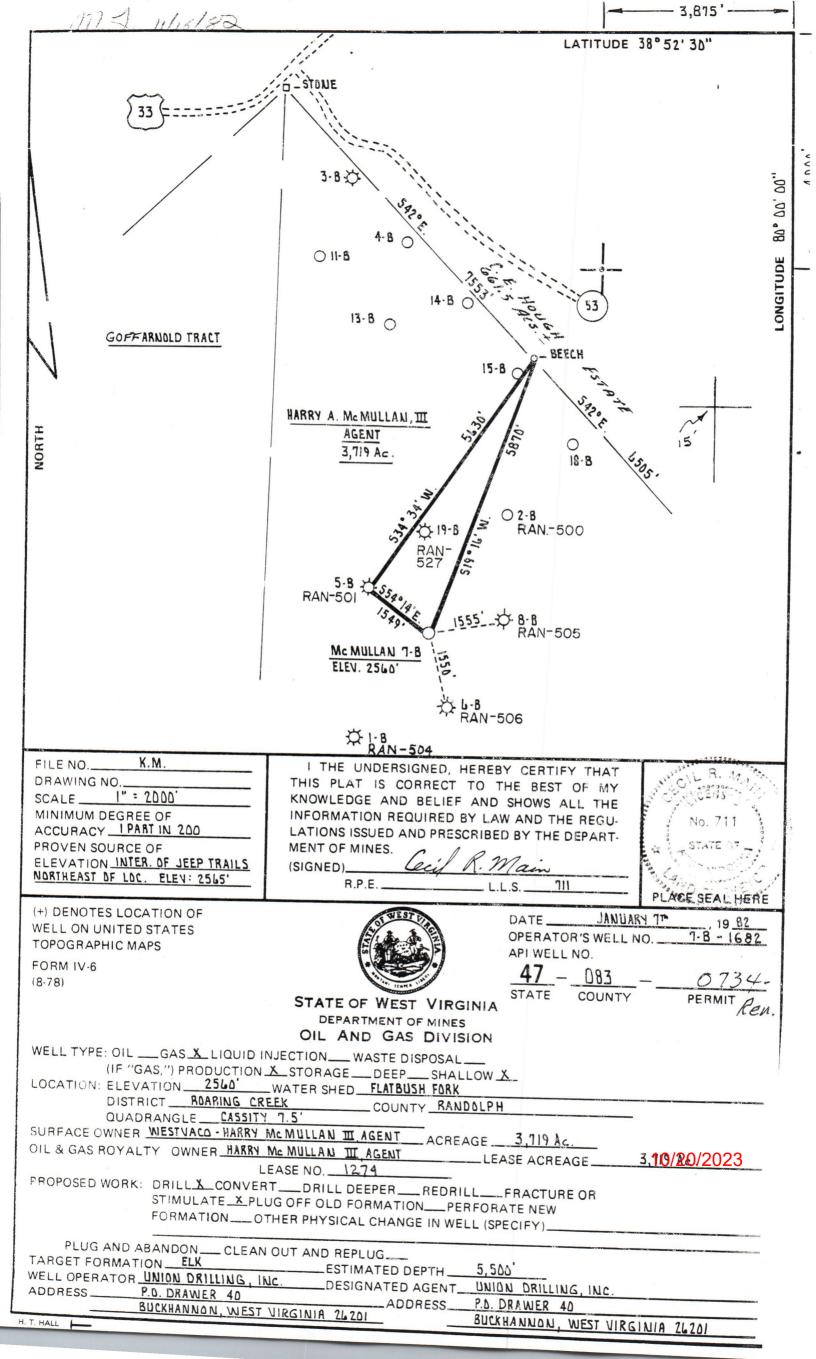
FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT November 13, 1984



OIL & GAS DIVISION
DEPT. OF MINES

SEEDED (4)

	Nove	mber 13, 1984			
COMPANY	Union Drilling, Inc.	PER	MIT NO _	083-0734	(11-19-82)
P. O. Di	rawer 40	FARI	M & WELL	NOHarry Mcl	Mullan
				#7B-1682	larian
Buckhani	non, West Virginia 26201	DIST	r. & COU		Creek/Randolph
					oreek, kandorph
				IN COMPLIAN	NCE
RULE	DESCRIPTION			YES	NO
23.06	Notification Prior to Start	ing Work			
25.04	Prepared before Drilling to	Prevent Waste	-		
25.03	High-Pressure Drilling		-		
16.01	Required Permits at Wellsit	e	-		
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 Prev	ent Waste	-		
23.04	Reclaimed Drilling Pits	cit waste	-		
23.05	No Surface or Underground Po	ollution	-		
23.07	Requirements for Production		elines		
16.01	Well Records on Site	d odemerring rap	_		
16.02	Well Records Filed		-		
7.05	Identification Markings		-		
			-		
I HAVE IN	ISPECTED THE ABOVE CAPTIONED	WELL AND RECOMM	END THAT	IT BE RELE	ASED:
			.1	1.00 1	
	•	SIGN	ED K	ullip Ir	vey
		DATE	6	-14-85	
.,					
Your well	record was received and rec	lamation requir	ements a	pproved. In	accordance
with Chap	ter 22, Article 4, Section 2	, the above wel	l will r	emain under	bond
coverage	for the life of the well.		-/	a . /	
		/_	1	re	70
		Admi	nigtrato	r-011 & Gas	Division
		Admir	LISCIACO	L-OII & Gas	DIAISIOU
			T	25 1985	
			June D	ATE	



WEST VIRGINIA; RANDOLPH COUNTY CLERK'S OFFICE

This instrument was this day presented to me in my office, and thereupon, together with the Certificate thereto annexed, is admitted to record. Vergil Hamrick EXHIBIT