



1) Date: June 3, 19 83  
 2) Operator's Well No. 30B - 1780  
 3) API Well No. 47 083 0779  
 State County Permit

DRILLING CONTRACTOR:

Union Drilling, Inc.  
P. O. Drawer 40  
Buckhannon, WV 26201

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

Harry McMullan #30B (1780)

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil        / Gas XX /  
 B (If "Gas", Production XX / Underground storage        / Deep        / Shallow XX /)
- 5) LOCATION: Elevation: 2635' Watershed: Lick Run  
 District: Roaring Creek County: Randolph Quadrangle: Cassity
- 6) WELL OPERATOR Union Drilling, Inc. 11) DESIGNATED AGENT Joseph C. Vanzant, Jr.  
 Address P. O. Drawer 40 Address P. O. Drawer 40  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 7) OIL & GAS ROYALTY OWNER Harry McMullan, III, Agent 12) COAL OPERATOR         
 Address P. O. Box 8 Address         
Washington, NC 27889
- 8) SURFACE OWNER Westvaco Corp. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address 203 Randolph Avenue Name Harry McMullan, III, Agent  
Elkins, WV 26241 Address P. O. Box 8  
 Acreage 3,719 Washington, NC 27889
- 9) FIELD SALE (IF MADE) TO: Name         
 Address Not Determined at this time Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name Robert Stewart (884-7782) Name AMAX Coal Company  
 Address P. O. Box 345 Address P. O. Box 967  
Jane Lew, WV 26378 Indianapolis, Indiana 46206
- 15) PROPOSED WORK: Drill XX / Drill deeper        / Redrill        / Fracture or stimulate XX /  
 Plug off old formation        / Perforate new formation        /  
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Elk
- 17) Estimated depth of completed well, 5500 feet
- 18) Approximate water strata depths: Fresh,        ? feet; salt,        ? feet.
- 19) Approximate coal seam depths:        ? Is coal being mined in the area? Yes Oil & Gas No. XX /

**RECEIVED**  
 JUN - 9 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINES

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Sizes
Conductor	11 3/4			X		20	20			
Fresh water										
Coal										
Intermediate	8 5/8		23#	X		850	850	to surface		
Production	4 1/2		10.5#	X			5500	450 sks. or	Depths set	
Tubing								as required		
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: Sharon L. Stalinski Signed: Joseph C. Pettey  
 My Commission Expires May 22, 1989 Its: Joseph C. Pettey, Vice President of Production  
 Commissioned as Sharon L. Kelley

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-083-0779 Date July 11, 19 83  
10/13/2023

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 March 11, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B</u>	Agent: <u>lo</u>	Plat: <u>      </u>	Casing: <u>      </u>	Fee: <u>005</u> <u>955</u>
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Michael J. Lewis  
 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

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.

10/13/2023

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

By \_\_\_\_\_

Its \_\_\_\_\_

FILE COPY



1) Date: August 17, 19 84  
 2) Operator's Well No. 30B - 1780  
 3) API Well No. 47 State 083 County 0779 -REN. Permit

\*\*APPLICATION TO RENEW\*\*

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XX / Gas XX /  
 B (If "Gas", Production XX / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow XX /)
- 5) LOCATION: Elevation: 2635' Watershed: Lick Run  
 District: Roaring Creek County: Randolph Quadrangle: Casity
- 6) WELL OPERATOR Union Drilling, Inc 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.  
 Address P. O. Drawer 40 Address P. O. Drawer 40  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Phillip Tracy Name Union Drilling, Inc.  
 Address Forest Festival Terrace #24 Address P. O. Drawer 40  
Elkins, WV 26241 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Elk  
 12) Estimated depth of completed well, 5500 feet  
 13) Approximate strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_

**RECEIVED**  
 AUG 22 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4			X		20'	20'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		23#	X		850'	850'	to surface	
Production	4 1/2		10.5#	X		5500'	5500'	450 sks. or as required	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-083-0779-REN. Date October 26 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.  
 Permit expires October 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond <u>BLANKET</u> <u>162</u>	Agent: <u>[Signature]</u>	Plat: <u>MU MU</u>	Casing	Fee <u>021-</u> <u>343</u>
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Margaret J. Hasse  
 Administrator, Office of Oil and Gas

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

1) WELL LOCATION: District: \_\_\_\_\_ County: \_\_\_\_\_ Water: \_\_\_\_\_ Elevation: \_\_\_\_\_

2) WELL OPERATOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: \_\_\_\_\_ Address: \_\_\_\_\_

4) DRILLING CONTRACTOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

5) DESIGNATED AGENT: Name: \_\_\_\_\_ Address: \_\_\_\_\_

6) PROPOSED WELL WORK: Drill \_\_\_\_\_ Depth \_\_\_\_\_ Rodill \_\_\_\_\_

7) GEOLOGICAL TARGET FORMATION: \_\_\_\_\_

8) ESTIMATED DEPTH OF COMPLETED WELL: \_\_\_\_\_

9) APPROXIMATE TEST DEPTH: \_\_\_\_\_

10) APPROXIMATE COST PER FOOT: \_\_\_\_\_

11) CASING AND LINING PROGRAM: \_\_\_\_\_

RECEIVED  
AUG 2 3 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

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

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

Blaney	Agent	Plan	Casing	Loc
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10/13/2023

IV-9  
(Rev 8-81)



DATE 4-2-82  
WELL NO. 1780<sup>305</sup>  
API NO. 47-Randolph-0779

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME UNION Drilling Inc.  
Address P.O. Drawer 40, Buckhannon W.Va.  
Telephone 472-4610

DESIGNATED AGENT UNION Drilling Inc.  
Address P.O. Drawer 40, Buckhannon W.Va.  
Telephone 472-4610

LANDOWNER West Vaco  
Revegetation to be carried out by UNION Drilling Inc. (Agent)

SOIL CONS. DISTRICT Tygart Valley

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 4-17-82

(Date)  
Junior Redick  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert Pipe (12" Min) (A)  
Spacing at Natural Drains  
Page Ref. Manual \_\_\_\_\_

Structure Diversion Ditch (1)  
Material Earthen  
Page Ref. Manual \_\_\_\_\_

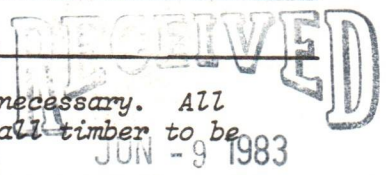
Structure Cross Drains (B)  
Spacing 250' ±  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure Roadway Ditch (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

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



REVEGETATION

OIL & GAS DIVISION  
DEPT. OF MINES

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 2 Tons/acre  
Seed\* Ky 31 30 lbs/acre  
Birdsfoot 10 lbs/acre  
Domestic Rye 10 lbs/acre

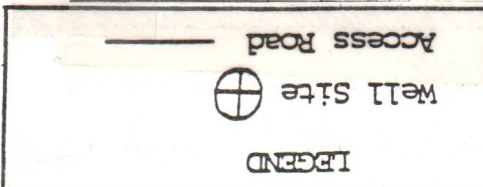
Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch 2 Tons/acre  
Seed\* Ky 31 30 lbs/acre  
Birdsfoot 10 lbs/acre  
Domestic Rye 10 lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

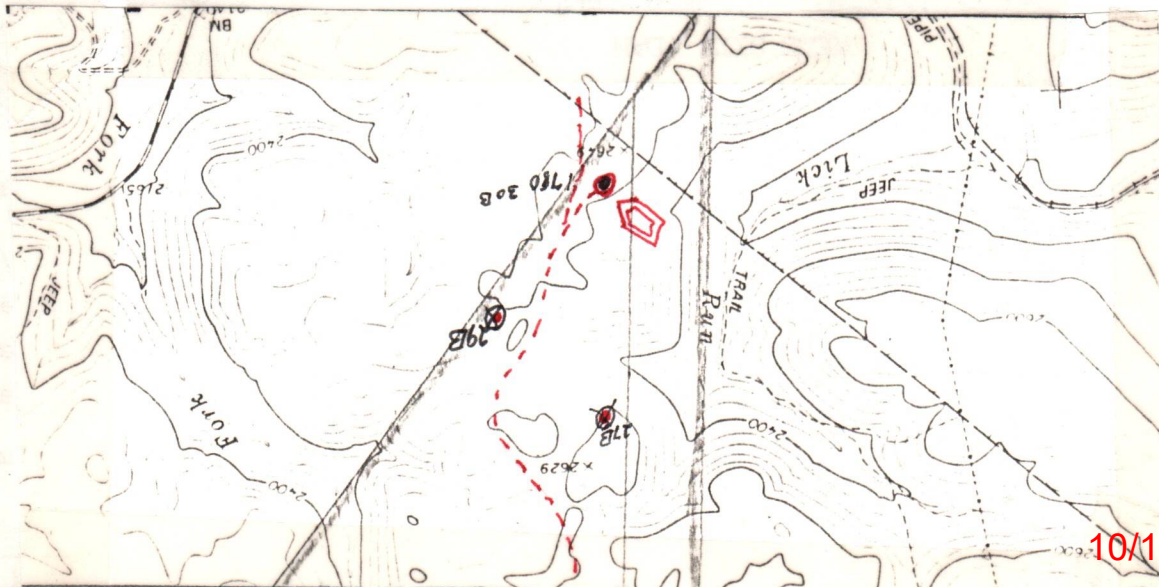
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY Danny O'Malley 4/13/2023  
ADDRESS P.O. Drawer 40, Buckhannon  
W.Va.  
PHONE NO. 472-4610

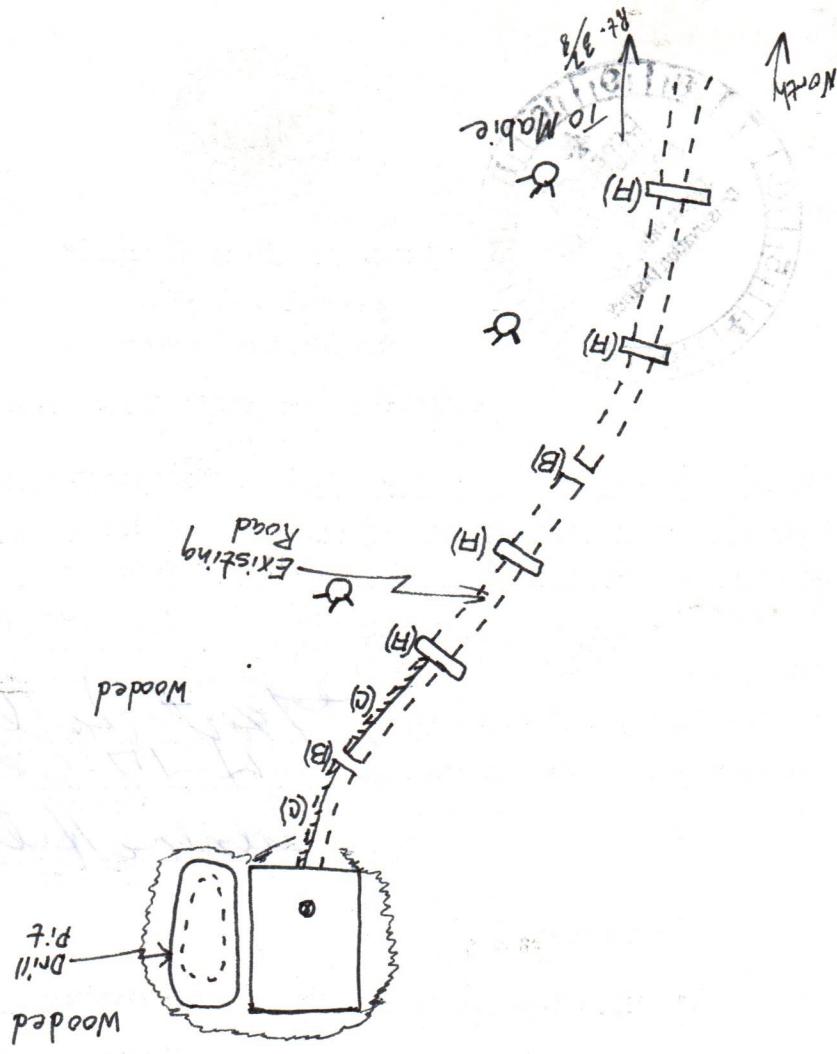
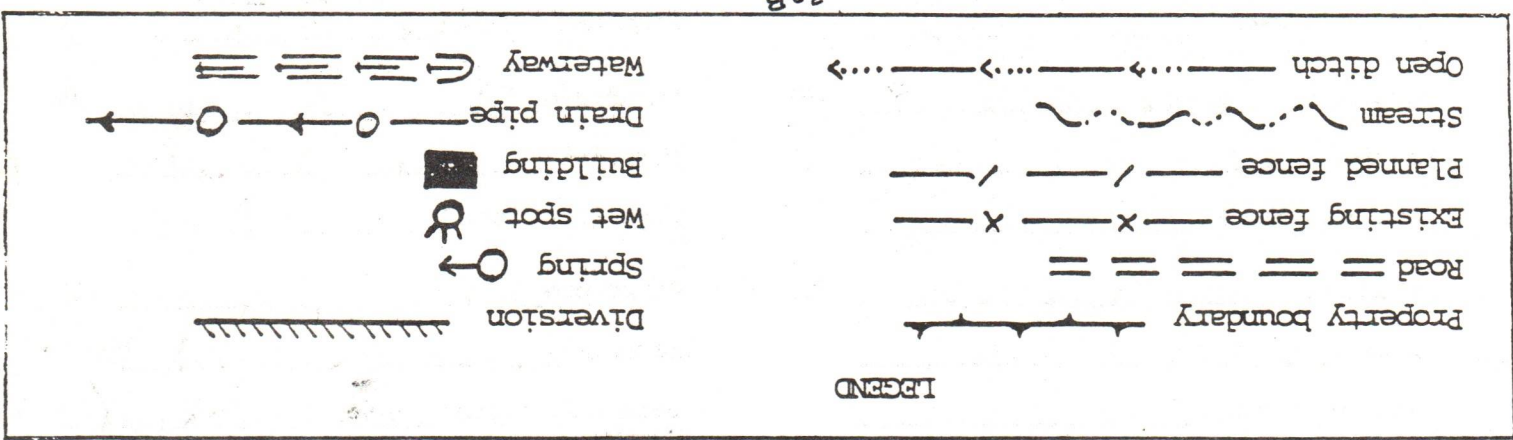
ATTACH OR PHOTOGRAPHY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Cassville 7-5



10/13/2023



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



1) Date: August 17, 19 84  
2) Operator's  
Well No. 30B - 1780  
3) API Well No. 47 083 0779  
State County Permit  
Rev.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Westvaco Corporation  
Address 203 Randolph Avenue  
Elkins, WV 26241  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Harry McMullan, III, Agent  
Address P. O. Box 8  
Washington, NC 27889  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name AMAX Coal Company  
Address P. O. Box 967  
Indianapolis, Indiana 46206

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

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

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

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

RECEIVED  
AUG 22 1984

OIL & GAS DIVISION  
DEPT. OF MINES

6) EXTRACTION RIGHTS

Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No XXX

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by  
Joseph C. Petty

this 17 day of August, 1984.  
My commission expires 8/20, 1991.

George B. Hullett  
Notary Public, Upshur County,  
State of West Virginia

WELL  
OPERATOR Union Drilling, Inc.  
By Joseph C. Petty  
Its Vice-President of Production  
Address P. O. Drawer 40  
Buckhannon, WV 26201  
Telephone 304-472-4610

10/13/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:


<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Neva S. McMullan et al.	Union Drilling, Inc.	15%	335/510

10/13/2023



**P 471 412 127**  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL

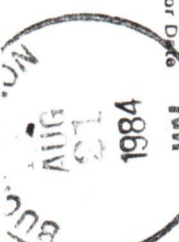
(See Reverse)

Sent to	<i>Amey Coal Company</i>	
Street and No.	<i>105 S. Myndon Street</i>	
P.O., State and ZIP Code	<i>Indianapolis, Indiana 46225</i>	
Postage	\$	
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to whom and Date Delivered		
Return Receipt Showing to whom, Date, and Address of Delivery		
<b>TOTAL Postage and Fees</b>	\$	
Postmark or Date		

PS Form 3800, Feb. 1982

**P 471 412 128**  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL

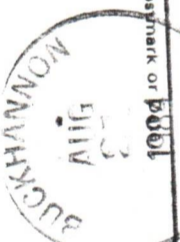
(See Reverse)

Sent to	<i>Heatrace Corporation</i>	
Street and No.	<i>303 Randolph Ave.</i>	
P.O., State and ZIP Code	<i>Galveston, TX 77551</i>	
Postage	\$	
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to whom and Date Delivered		
Return Receipt Showing to whom, Date, and Address of Delivery		
<b>TOTAL Postage and Fees</b>	\$	
Postmark or Date		

PS Form 3800, Feb. 1982

**P 471 412 129**  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

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PS Form 3800, Feb. 1982

10/13/2023

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IV-35  
(Rev 8-81)

OIL & GAS DIVISION  
DEPT. OF MINES  
State of West Virginia  
Department of Mines  
Oil and Gas Division

Date December 6, 1984  
Operator's  
Well No. 30B - 1780  
Farm Harry McMullan #30B  
API No. 47 - 083 - 0779 Ren.

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 x /)

LOCATION: Elevation: 2635' Watershed Lick Run  
District: Roaring Creek County Randolph Quadrangle Cassity

COMPANY UNION DRILLING, INC.

ADDRESS P.O. Drawer 40, Buckhannon, WV 26201

DESIGNATED AGENT Joseph C. Vanzant, Jr.

ADDRESS P.O. Drawer 40, Buckhannon, WV 26201

SURFACE OWNER Westvaco Corporation

ADDRESS 203 Randolph Ave., Elkins, WV 26241

MINERAL RIGHTS OWNER Harry McMullan

ADDRESS P.O. Box 8, Washington, N.C. 27889

OIL AND GAS INSPECTOR FOR THIS WORK \_\_\_\_\_

Phil Tracy ADDRESS Forrest Fest. Apts, Elkins, WV

PERMIT ISSUED 10/26/84 26241

DRILLING COMMENCED 11/7/84

DRILLING COMPLETED 11/13/84

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 5/8	896.60'	896.60'	496 cf
7			
5 1/2			
4 1/2		5319.50'	808 cf
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5500' feet

Depth of completed well 5430' feet Rotary XX / Cable Tools \_\_\_\_\_

Water strata depth: Fresh none feet; Salt \_\_\_\_\_ feet

Coal seam depths: 265/68, 505/510 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Speechly, Balltown, Benson, Elk Pay zone depth 5180' feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 193 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests 2 hours

Static rock pressure 900# psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

10/13/2023

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ Mcf/d Oil: 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)

RHW - 0779

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

Halliburton - 3 stage Foam Frac - 11/21.84  
 2890/94 - Speechly - 45,000# sand, 561 Bbls water and 420,000 scf nitrogen  
 3028/32 - Balltown  
 3784/88 - Benson - 45,000# sand, 524 Bbls water and 395,000 scf nitrogen  
 3820/24 - Benson  
 3846/50 - Benson  
 4944/48 - 1st Elk - 45,000# sand, 513 Bbls water and 480,000 scf nitrogen  
 5004/08 - 1st Elk  
 5166/68 - 3rd Elk  
 5178/80 - 3rd Elk

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	265	
Coal			265	268	
Sand & Shale			268	505	
Coal			505	510	
Sand & Shale			510	1411	
Big Lime			1411	1544	
Injun			1549	1680	
Gantz			1701	1744	
4th Sand			2164	2194	
5th Sand			2210	2278	
Bayard			2295	2311	
Lower Bayard			2330	2351	
Speechly			2889	2899	
Balltown			3024	3035	
Bradford			3266	3288	
Benson			3782	3861	
1st Elk			4942	5034	
2nd Elk			5064	5118	
3rd ELk			5164	5222	
				5430'	T.D. gas show

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey 10/13/2023  
 Date: Joseph C. Pettey, Vice President of Production

12/6/84

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 ..., encountered in the drilling of a well."



**RECEIVED**  
JUN 18 1985  
OIL & GAS DIVISION  
**DEPT. OF MINES**  
*SEEDED*

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
December 19, 1984

COMPANY Union Drilling, Inc.  
P. O. Drawer 40  
Buckhannon, West Virginia 26201

PERMIT NO 083-0779 (7-11-83)  
FARM & WELL NO Harry McMullan #30B-1780  
DIST. & COUNTY Roaring Creek/Randolph

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

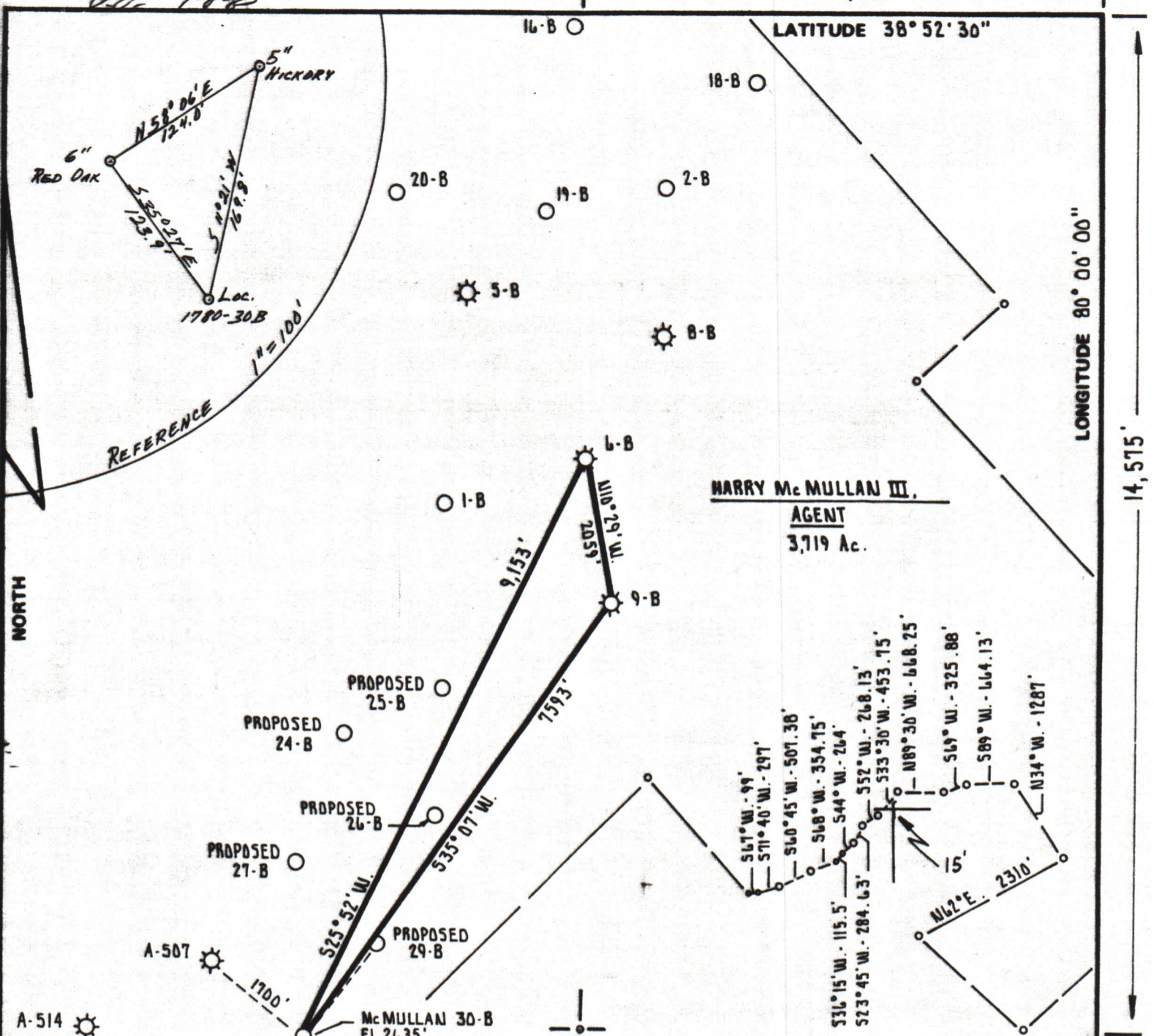
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *Phillip Tracy*  
DATE 6-14-85

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

*T.H. Abbott*  
Administrator-Oil & Gas Division

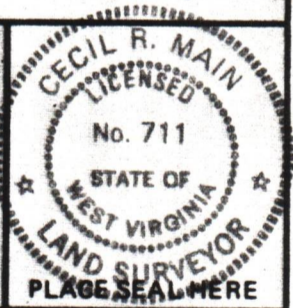
June 25, 1985  
DATE



**HARRY Mc MULLAN III.**  
**AGENT**  
 3,719 Ac.

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION UNION DRILLING  
McMULLAN # 6B ELEV - 2541'

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 MARCH 29<sup>th</sup>, 19 82  
 OPERATOR'S WELL NO. McMULLAN # 30-B  
 API WELL NO. 1780  
47 - 083 - 0779-Per.  
 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 2635' WATER SHED LICK RUN  
 DISTRICT ROARING CREEK COUNTY RANDOLPH  
 QUADRANGLE CASSITY 7.5'  
 SURFACE OWNER WESTVACO - HARRY Mc MULLAN III AGENT ACREAGE 3,719 Ac.  
 OIL & GAS ROYALTY OWNER HARRY Mc MULLAN III AGENT LEASE ACREAGE 3,719 Ac.  
 LEASE NO. 1274

10/13/2023

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X 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 5500'  
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT JOSEPH C. VAHANT, JR.  
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40  
BUCKHANNON, WEST VIRGINIA 26201 BUCKHANNON, WEST VIRGINIA 26201

14,515'  
1780  
RAN-774