

RECEIVED  
FORM 1 (B)  
(Reverse)  
7-83  
FILE COPY

DEC 21 1984



1) Date: November 21, 19 84  
2) Operator's Well No. 2149 - 3  
3) API Well No. 47 - 083 - 0999  
State County Permit

OIL & GAS DIVISION  
DEPT. OF MINES

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

- 4) WELL TYPE: A Oil        / Gas XX /  
B (If "Gas", Production XX / Underground storage        / Deep        / Shallow XX /)
- 5) LOCATION: Elevation: 2928 Watershed: Jenks Fork  
District: Middle Fork County: Randolph Quadrangle: Cassity
- 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.  
Address Post Office Drawer 40 Address Post Office Drawer 40  
Buckhannon, WV 26201 *50550* Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
Name Phillip Tracy Name Union Drilling, Inc.  
Address Post Office Box 2536 Address Post Office Drawer 40  
Elkins, WV 26241 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper        / Redrill        / Stimulate XX /  
Plug off old formation        / Perforate new formation         
Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5,000 feet
- 13) Approximate strata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes        / No XX /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11-3/4		32	X		30'	30'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8		23	X		1000'	1000'	to surface	<i>By rule 15.05</i> <i>By rule 15.01</i>
Production	4-1/2	J	10 1/2	X		5000'	5000'	as required	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-083-0999

January 7, 19 85  
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 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 January 7, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<i>162</i>	<i>MW</i>	<i>MW</i>	<i>MW</i>	<i>026-103</i>

*Margaret J. Hesse*  
Administrator, Office of Oil and Gas

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

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

File  
12/01/2023



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1984

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL & GAS DIVISION  
DEPT. OF MINES  
OFFICE USE ONLY

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

1) LOCATION: Middle Fork, Putnam County, West Virginia  
2) WELL OPERATOR: Middle Fork Drilling, Inc.  
3) DRILLING CONTRACTOR: Middle Fork Drilling, Inc.  
4) PROPOSED WELL WORK: Drilling of a well  
5) GEOLOGICAL LABORATORY: Putnam County

WELL NO.	DATE	DEPTH (FEET)	DIAMETER (INCHES)	STATUS
1000	12/01/83	1000	30	Completed
1001	12/01/83	1000	30	Completed

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	Follow-up inspection(s)
Well work started	" "
Completion of the drilling process	" "
Well Record received	" "
Reclamation completed	" "

OTHER INSPECTIONS

Reason: 1/27/84  
Reason: 1/27/84

12/01/2023

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IV-9 DEC 21 1984  
(Rev 8-81)



DATE 12-3-84  
WELL NO. 2149  
API NO. 47-083-0999

OIL & GAS DIVISION  
DEPT. OF MINES

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, WV  
Telephone 304-472-4610

DESIGNATED AGENT JOSEPH C. VANZANT, JR.  
Address P. O. DRAWER 40, BUCKHANNON, WV  
Telephone 304-472-4610

LANDOWNER Davis Ekins, Jr.

SOIL CONS. DISTRICT Tygart Valley SCD  
(Agent)

Revegetation to be carried out by UNION DRILLING, INC.

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 12-11-84 (Date)  
Junior Hedrick (SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert Pipe (12" Min.) (A)  
Spacing At Natural Drains  
Page Ref. Manual \_\_\_\_\_  
Structure \_\_\_\_\_ (B)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_  
Structure Roadway Ditch (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure Diversion Ditch (1)  
Material Earthen  
Page Ref. Manual \_\_\_\_\_  
Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
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

Treatment Area I

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

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

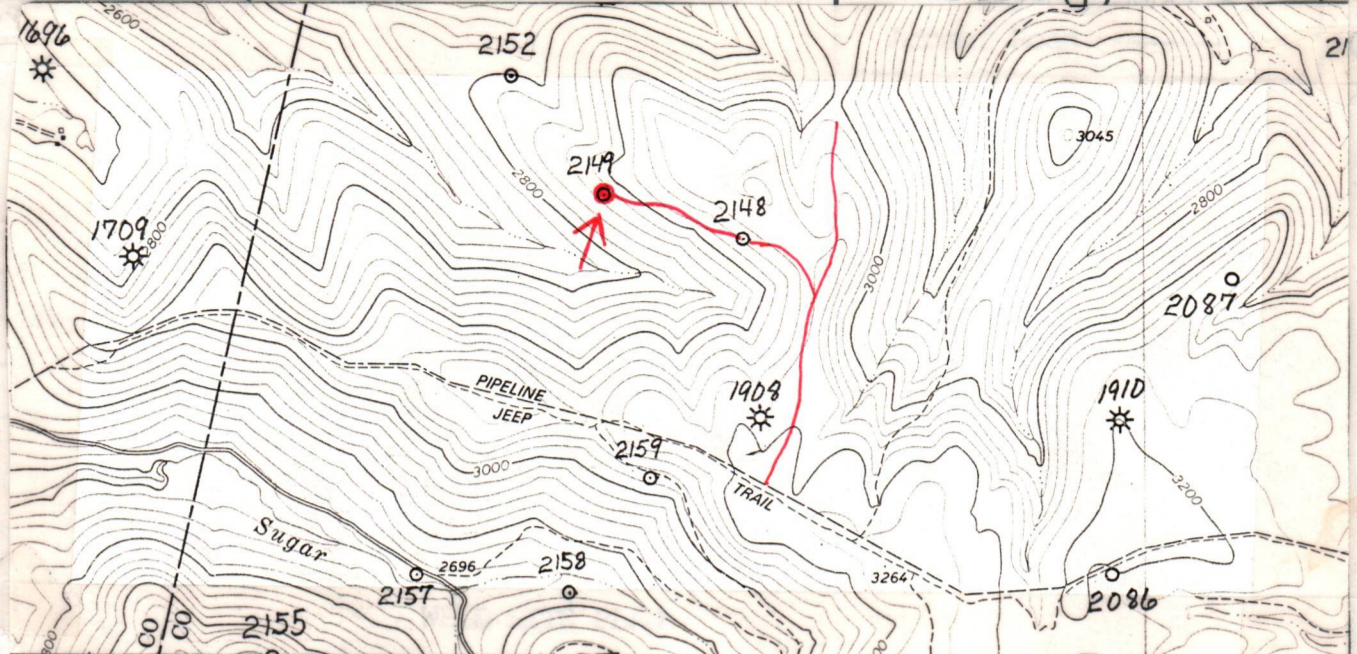
\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

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

PLAN PREPARED BY Danny Morgan 12/01/2023  
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201  
PHONE NO. (304) 472-4610

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Cassidy 7-5

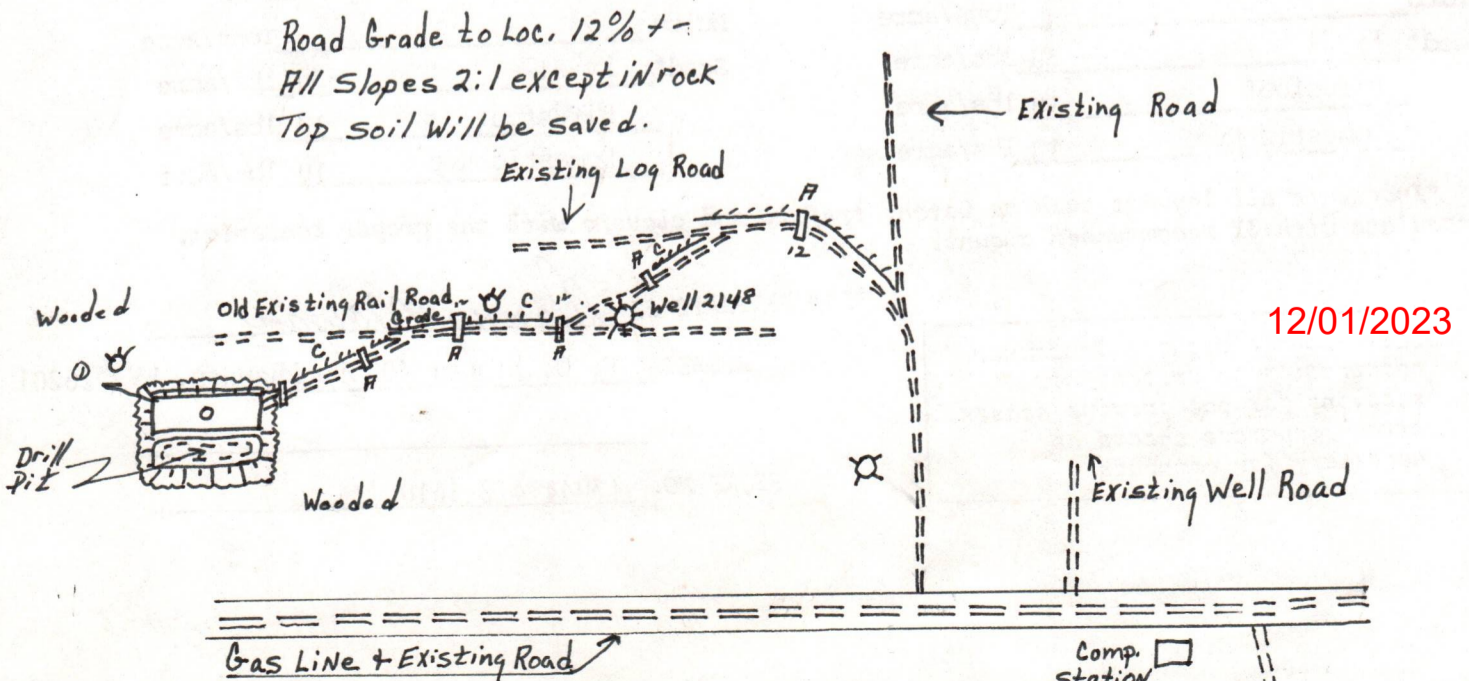
LEGEND Well Site



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	Wet spot
Planned fence	Building
Stream	Drain pipe
Open ditch	Waterway



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2) Operator's Well No. 2149 - 3  
3) API Well No. 47-083-0999  
State County Permit

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

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

5(i) COAL OPERATOR

(i) Name John B. Lounsbury, Agent  
Address R & S Kelly Trust; Davis Elkins, Trustee  
P. O.Box 850, Elkins, WV 26241

Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

Name John B. Lounsbury, Agent  
Address R & S Kelly Trust; D. Elkins, Trustee  
P. O. Box 850, Elkins, WV 26241

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name \_\_\_\_\_  
Address \_\_\_\_\_

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

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

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

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

6) EXTRACTION RIGHTS

Check and provide one of the following:

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

7) ROYALTY PROVISIONS

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

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

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

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

James A. Bibby, III  
this 21 day of November, 1984.  
My commission expires 23, 1991.

Notary Public, Upshur County,  
State of West Virginia

WELL OPERATOR Union Drilling, Inc.

By James A. Bibby, III  
Its Land Manager  
Address Post Office Drawer 40  
Buckhannon, WV, 26201  
Telephone 304-472-4610

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OIL & GAS DIVISION  
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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>
Katherine E. Kelly, et. al.	Consolidated Gas Supply	1/8	274/299
Consolidated Gas Supply	Union Drilling, Inc.		unrecorded joint venture

12/01/2023



1) Date: November 21, 19 84  
 2) Operator's Well No. 2149 - 3  
 3) API Well No. 47  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas XX /  
 B (If "Gas", Production XX / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow XX /)
- 5) LOCATION: Elevation: 2928 Watershed: Jenks Fork  
 District: Middle Fork County: Randolph Quadrangle: Cassity
- 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.  
 Address Post Office Drawer 40 Address Post Office 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 Post Office Box 2536 Address Post Office Drawer 40  
Elkins, WV 26241 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate XX /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Benson  
 12) Estimated depth of completed well, 5,000 feet  
 13) Approximate strata depths: Fresh, ? feet; salt, ? feet.  
 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes \_\_\_\_\_ / No XX /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>11-3/4</u>		<u>32</u>	<u>X</u>		<u>30'</u>	<u>30'</u>		Kinds
Fresh water									Sizes
Coal									Depths set
Intermediate	<u>8-5/8</u>		<u>23</u>	<u>X</u>		<u>1000'</u>	<u>1000'</u>	<u>to surface</u>	Depths set
Production	<u>4-1/2</u>	<u>J</u>	<u>10 1/2</u>	<u>X</u>		<u>5000'</u>	<u>5000'</u>	<u>as required</u>	
Tubing									Perforations
Liners									Top
									Bottom

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 DEPT. OF MINES  
 OIL & GAS DIVISION  
 DEC 21 1984

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 the filing of the Application.

WAIVER

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

Date: 11/21/84, 19 84  
 By: John B. Lumsden  
 Its: Manager

12/01/2023  
 Coal Owner



1) Date: November 21, 19 84  
 2) Operator's Well No. 2140 3  
 3) API Well No. 47 State            County            Permit           

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

- 4) WELL TYPE: A Oil            / Gas xx /  
 B (If "Gas", Production xx / Underground storage            / Deep            / Shallow xx /)
- 5) LOCATION: Elevation: 2928 Watershed: Jenks Fork  
 District: Middle Fork County: Randolph Quadrangle: Cassity
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- 10) PROPOSED WELL WORK: Drill xx / Drill deeper            / Redrill            / Stimulate xx /  
 Plug off old formation            / Perforate new formation            /  
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 8,000 feet  
 13) Approximate tratra depths: Fresh, ? feet; salt, ? feet.  
 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes            / No xx

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>11-3/4</u>		<u>32</u>	<u>X</u>		<u>30'</u>	<u>30'</u>		
Fresh water									
Coal									
Intermediate	<u>8-5/8</u>		<u>23</u>	<u>X</u>		<u>1000'</u>	<u>1000'</u>	<u>to surface</u>	
Production	<u>4-1/2</u>	<u>J</u>	<u>10 1/2</u>	<u>X</u>		<u>5000'</u>	<u>5000'</u>	<u>as required</u>	
Tubing									
Liners									

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

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

**VOLUNTARY STATEMENT OF NO OBJECTION**

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

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

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_

By John B. [Signature] \_\_\_\_\_

Its Manager Date 11/21/84

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

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

**12/01/2023**  
Surface Owner



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

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

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

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

**Where to file comments and obtain additional information:**

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

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

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

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

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

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

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

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

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

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Virginia,  
COUNTY OF Upshur :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) X / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) X / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well Nos 2148, 2149 & 2152 located in Middle Fork District, Randolph County, West Virginia, upon the person or organization named--

John B. Lounsbury, Agent; R & S Kelly Trust; Davis Elkins, Trustee

--by delivering the same in Upshur County, State of West Virginia on the 21st day of November, 1984 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual: ACTING AS AGENT FOR A TRUST

[ X ] Handing it to him X / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

[ ] Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[ ] Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[ ] Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

[ ] Handing it to the corporation's employee / officer / director / attorney in fact / named \_\_\_\_\_.

James A. Birk, III  
(Signature of person executing service)

Taken, subscribed and sworn before me this 21st day of November, 1984.  
My commission expires 3rd March 1991.

Patrick S. Leake  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

# RECEIVED

IV-35 MAY 16 1985  
(Rev 8-81)

OIL & GAS DIVISION  
DEPT. OF MINES



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date May 7, 1985  
Operator's  
Well No. 3 - 2149  
Farm Davis-Elkins Estate #3  
API No. 47 - 083 - 0999

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: 2928; Watershed Jenks Fork  
District: Middle Fork County Randolph Quadrangle Cassity

COMPANY UNION DRILLING, INC.

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

DESIGNATED AGENT Joseph C. Pettey

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

SURFACE OWNER John B. Lounsbury, Agent

ADDRESS P.O. Box 850, Elkins, WV 26241

MINERAL RIGHTS OWNER same

ADDRESS   

OIL AND GAS INSPECTOR FOR THIS WORK   

Phil Tracy ADDRESS Forrest Fest. Apts, Elkins, WV 26241

PERMIT ISSUED 1/7/85

DRILLING COMMENCED 2/23/85

DRILLING COMPLETED 3/11/85

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"	20.00'	20.00'	
9 5/8			
8 5/8	706.05	796.05'	236 cf
7			
5 1/2			
4 1/2		5198.00'	787 cf
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000' feet

Depth of completed well 5502' feet Rotary xxx / Cable Tools   

Water strata depth: Fresh 196' feet; Salt    feet

Coal seam depths: 196/202, 230/234 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Riley, Benson, 1st & 2nd Elk Pay zone depth 5065' feet

Gas: Initial open flow 119 Mcf/d Oil: Initial open flow    Bbl/d

Final open flow 1384 Mcf/d Final open flow    Bbl/d

Time of open flow between initial and final tests 2 hours

Static rock pressure 1055# psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

12/01/2023

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)

RAND  
0999

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

Dowell - 3 stage Frac - 4/18/85

3718/22 - Riley - 45,000# sand, 191 Bbls water and 493,000 scf nitrogen

3846/50 - Benson - 45,000# sand, 183 Bbls water and 468,000 scf nitrogen

4881/85 - 1st Elk - 45,000# sand and 473 Bbls water

4901/02 - 1st Elk

5062/65 - 2nd 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	196	1/4" stream water @106'
Coal			196	202	
Sand & Shale			202	230	
Coal			230	234	
Sand & Shale			234	1163	
Little Lime			1163	1206	
Blue Monday			1206	1250	
Big Lime			1264	1376	
Injun			1384	1516	
Gantz			1502	1596	
4th Sand			1994	2042	
5th Sand			2066	2122	
Bayard			2140	2174	
Elizabeth			2332	2348	
Speechly			2688	2694	
Balltown			2816	2862	
Bradford			3142	3182	
Riley			3706	3732	
Benson			3842	3860	
Upper Alexander			4112	4158	
Alexander			4226	4274	
1st Elk			4864	4918	
2nd Elk			5038	5088	
				5502'	T.D. 8/10ths thru 2" = 119 mcf

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey 12/01/2023  
Date: Joseph C. Pettey, Vice President of Production

5/7/85

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."

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OFFICE OF OIL AND GAS  
CHARLESTON 25305  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

**RECEIVED**

JUN 18 1985

Company: UNION DRILLING, INC.  
Farm: LOUNSBURY, JOHN (AGENT Well: 2149-3

(1-07-85)  
Permit No. 47- 83-0999  
County: RANDOLPH

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

Rule	Description	In Compliance	
		Yes	No
3.06	Notification prior to starting work	-----	-----
5.04	Prepared before drilling to prevent waste	-----	-----
5.03	High pressure drilling	-----	-----
6.01	Required permits at wellsite	-----	-----
5.03	Adequate Fresh Water Casings	-----	-----
5.02	Adequate Coal Casings	-----	-----
5.01	Adequate Production Casings	-----	-----
5.04	Adequate Cement Strength	-----	-----
5.05	Cement Type	-----	-----
3.02	Maintained Access Roads	-----	-----
5.01	Necessary Equipment to Prevent Waste	-----	-----
3.04	Reclaimed Drillings Pits	-----	-----
3.05	No Surface or Underground Pollution	-----	-----
3.07	Requirements for Production & Gathering Pipelines	-----	-----
6.01	Well Records on Site	-----	-----
6.02	Well Records Filed	-----	-----
5	Identification Markings	-----	-----

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

SIGNED *Philip L. Gray*  
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.

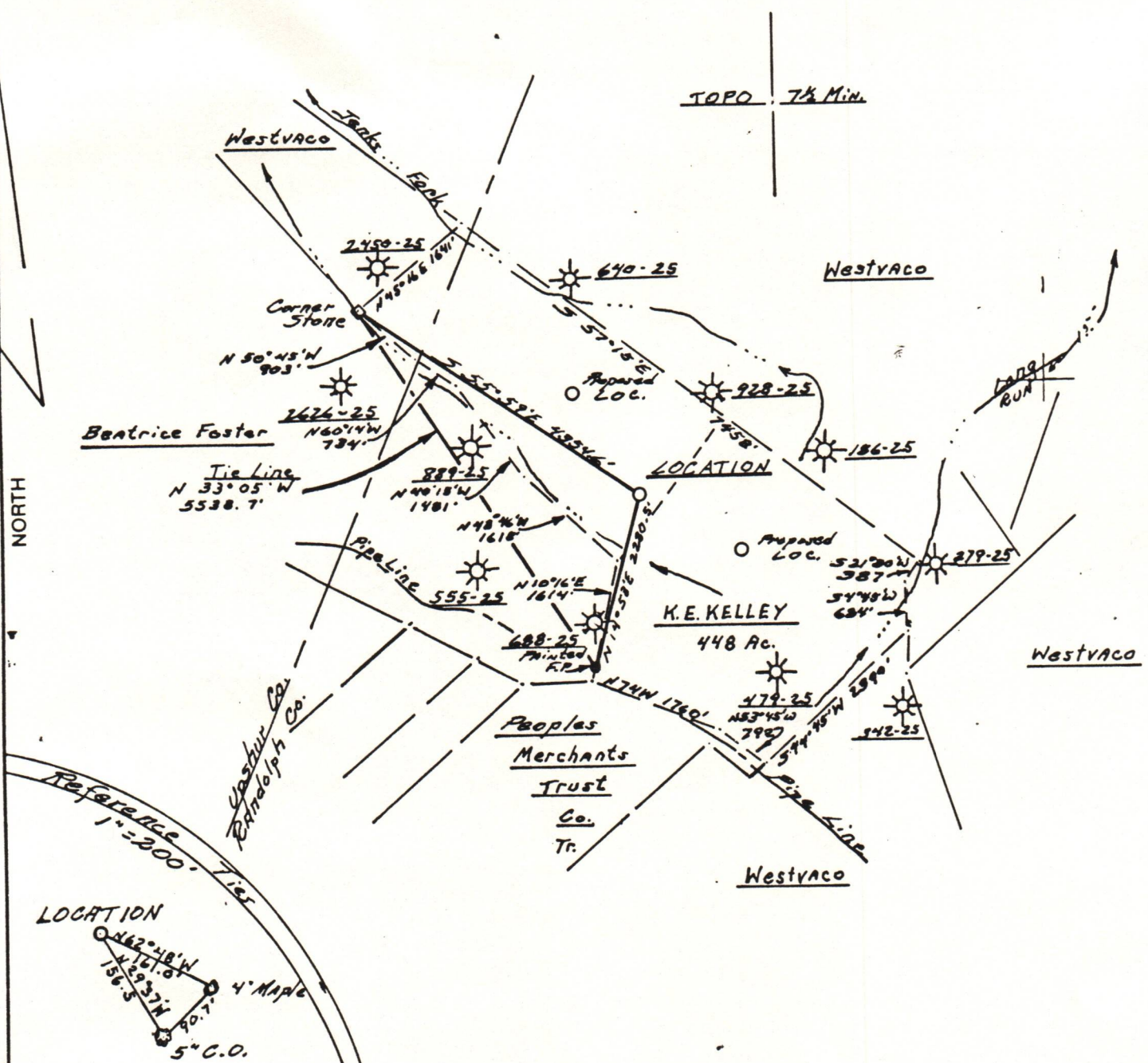
*T. H. B.*  
Administrator

June 25, 1985  
Date

2771 12/26/84

5625' LATITUDE 38°47'30"

5446' LONGITUDE 80°50'08"



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

FILE NO. 40.01  
 DRAWING NO. 84-24  
 SCALE 1" = 2,000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Spot Elev 3045'  
Hill Top NE of Location

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) Rayford L. Astrand  
 R.P.E. \_\_\_\_\_ L.L.S. 555  
Buckhannon, WV

PLACE SEAL HERE

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



DATE 12 November, 1984  
 OPERATOR'S WELL NO. 2149-3  
 API WELL NO. 47-083-0999  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 2928 WATERSHED Tanks Fork  
 DISTRICT Middle Fork COUNTY Randolph  
 QUADRANGLE Cassity  
 SURFACE OWNER Davis Elkins Jr Etals ACREAGE 448  
 OIL & GAS ROYALTY OWNER K.E. Kelley LEASE ACREAGE 448 **12/01/2023**  
 LEASE NO. 71081  
 PROPOSED WORK: DRILL  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 BENSON ESTIMATED DEPTH 5,000'  
 WELL OPERATOR Union Drilling Inc. DESIGNATED AGENT Joseph C. Vanzant, Jr.  
 ADDRESS PO Drawer 40 ADDRESS PO Drawer 40  
Buckhannon W.V. 26201 Buckhannon W.V. 26201

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

COUNTY NAME RAND PERMIT 0999