



OFFICE USE ONLY

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

1) WELL LOCATION: B (H) Gas, Production
Elevation: 280.21
Well No. 280.21
Sixtyfour Mile Creek
County: Mason
District: Harrison

2) WELL OPERATOR: Union Drilling, Inc.
Address: P. O. Drawer 40
Hickman, W. 26201

3) DESIGNATED AGENT: Joseph C. Vannoy, Jr.
Address: P. O. Drawer 40
Hickman, W. 26201

4) DRILLING CONTRACTOR: Union Drilling, Inc.
Address: P. O. Drawer 40
Hickman, W. 26201

5) PROPOSED WELL WORK: Drill Drill deeper
 Plug off old formation
 Perforate new formation
Other physical change in well (specify):

6) GEOLOGICAL TARGET FORMATION: Devonian Sandstone

7) Estimated depth of completed well: 280 feet

8) Approximate rate depth: Fresh test, 2 feet, salt, 2 feet

9) Approximate cost (omit depth): \$2000

10) CASING AND TUBING PROGRAM: Casing 2 7/8" ID, 10.25' length, 10.25' weight per foot, 10.25' length, 10.25' weight per foot

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: [Signature]

Reason: [Signature]

| | | | | |
|-------------|-------------|-------------|-------------|-------------|
| Inspector | Agent | Plan | Casing | Tec |
| [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |

08/25/2023

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

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A. Oil ___ / Gas x /
B. (If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow x /
- 5) LOCATION: Elevation: 580.21 Watershed Sixteenmile Creek
District: Hannan County: Mason Quadrangle: Apple Grove
- 6) WELL OPERATOR Union Drilling, Inc.
Address P. O. Drawer
Buckhannon, WV 26201
- 7) DESIGNATED AGENT Joseph C. Vanzant, Jr
Address P. O. Drawer 40
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Kenneth Butcher 736-4885
Address RFD #1
Barboursville, WV 25504
- 9) DRILLING CONTRACTOR:
Name Union Drilling, Inc.
Address P. O. Drawer 40
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill xx / Drill Deeper ___ / Redrill ___ / Stimulate xy
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonion Shale
- 12) Estimated depth of completed well (or actual depth of existing well), 3,200 feet
- 13) Approximate water 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 | 9 3/8" | | 36# | x | | 300 | 300 | to surface | Kinds |
| Fresh water | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 7.00" | | 20# | x | | 2250 | 2250 | 400 sks. | |
| Production | 4 1/2" | | 10.5# | x | | | 3200 | 300 sks. or as required | Depths set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application (or less than 5 days if the Application is to plug a well), if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____

By _____

Its _____ Date: _____

(Signature) Date: _____

(Signature) Date: _____

RECEIVED
08/25/2023
JUL 30 1983

OIL & GAS DIVISION
DEPT. OF MINES

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

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

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

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

Where to file comments and obtain additional information:

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

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

Time limits for comments. The law requires these materials to be personally served or mailed to you on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. (This time is changed to FIVE (5) DAYS from the filing date if the permit is only to plug a well.) You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

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

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

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

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

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

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

08/25/2023



IV-9
(Rev 8-81)

DATE July 5, 1983
WELL NO. 1920
API NO. 47-053-0301

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc. DESIGNATED AGENT Joseph C. Vanzant, Jr.
Address P O Drawer 40, Buckhannon W V 26201 Address P O Drawer 40, Buckhannon W V 26201
Telephone (304) 472-4610 Telephone (304) 472-4610
LANDOWNER I. Kelson Cooper, et al SOIL CONS. DISTRICT Western
Revegetation to be carried out by Union Drilling Inc. Joseph C. Pettey VP (Agent)

This plan has been reviewed by Western SCD. All corrections and additions become a part of this plan: July 6, 1983 (Date)
Freslie Rayburn (SCD Agent)

| ACCESS ROAD | LOCATION |
|--|--------------------------------|
| Structure <u>12" CMP culvert w/rip rap</u> (A) | Structure <u>Drill pit</u> (1) |
| Spacing <u>At county road</u> | Material <u>Earth</u> |
| Page Ref. Manual <u>1:8</u> | Page Ref. Manual _____ |
| Structure <u>Ditch relief cross drain</u> (B) | Structure _____ (2) |
| Spacing <u>Only one is needed</u> | Material _____ |
| Page Ref. Manual <u>1:6</u> | Page Ref. Manual _____ |
| Structure <u>Roadway ditch</u> (C) | Structure _____ (3) |
| Spacing <u>As needed</u> | Material _____ |
| Page Ref. Manual _____ | Page Ref. Manual _____ |

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OIL & GAS DIVISION
DEPT. OF MINES

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

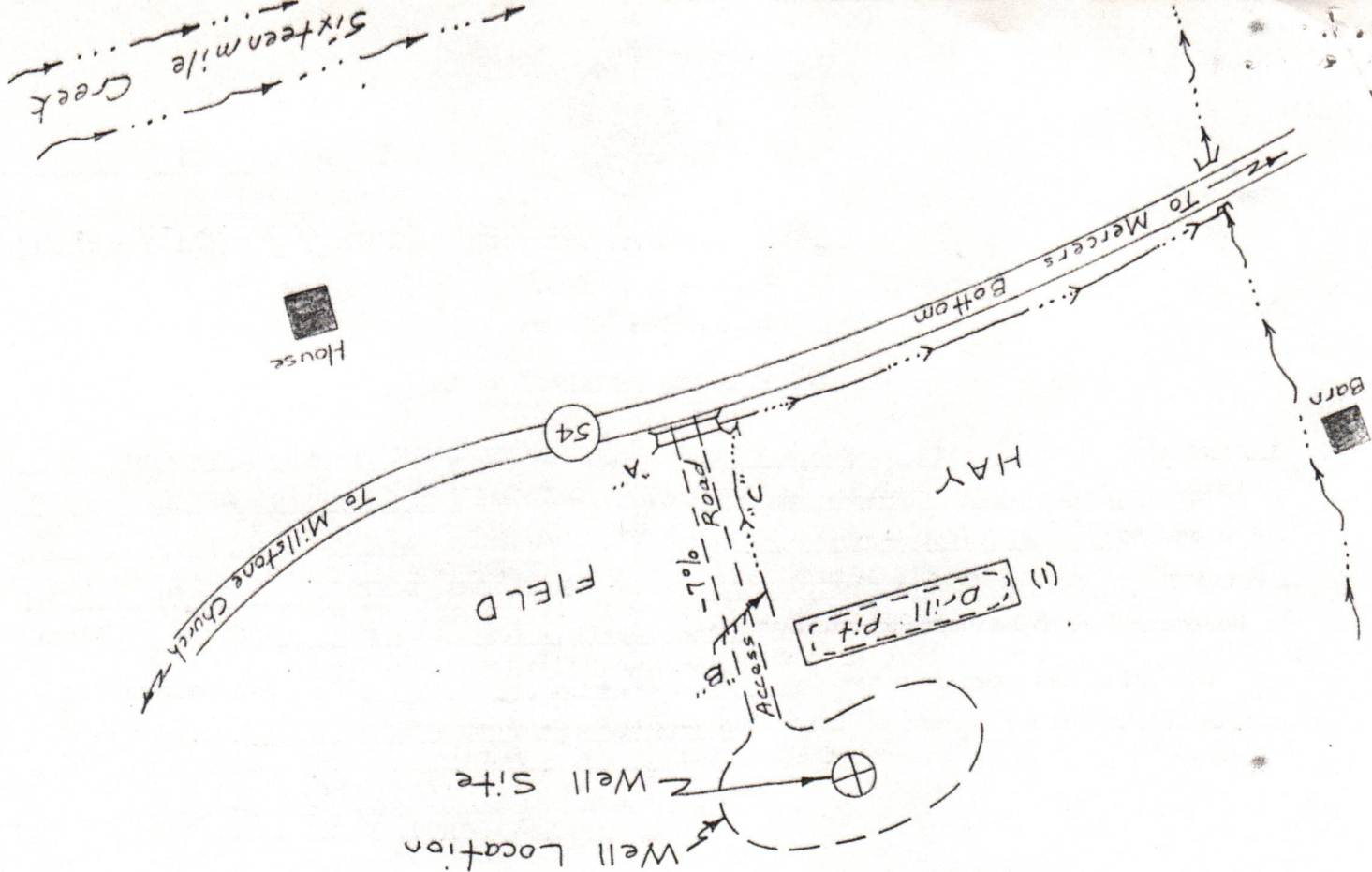
| Treatment Area I | |
|--|-----------------------------|
| Lime <u>3</u> Tons/acre | or correct to pH <u>6.5</u> |
| Fertilizer <u>600</u> lbs/acre | (10-20-20 or equivalent) |
| Mulch <u>Hay or straw</u> 2 Tons/acre | |
| Seed* <u>Orchard grass</u> 30 lbs/acre | |
| <u>Red clover</u> 4 lbs/acre | |
| <u>Ladino clover</u> 2 lbs/acre | |

| Treatment Area II | |
|--|-----------------------------|
| Lime <u>3</u> Tons/acre | or correct to pH <u>6.5</u> |
| Fertilizer <u>600</u> lbs/acre | (10-20-20 or equivalent) |
| Mulch <u>Hay or straw</u> 2 Tons/acre | |
| Seed* <u>Orchard grass</u> 30 lbs/acre | |
| <u>Red clover</u> 4 lbs/acre | |
| <u>Ladino clover</u> 2 lbs/acre | |

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

PLAN PREPARED BY Ronald L. Eastham
ADDRESS P.O. Box 1544 08/25/2023
Huntington, WV 25716
PHONE NO. 304/525-3171

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

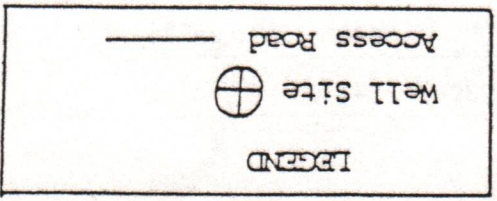


LEGEND

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

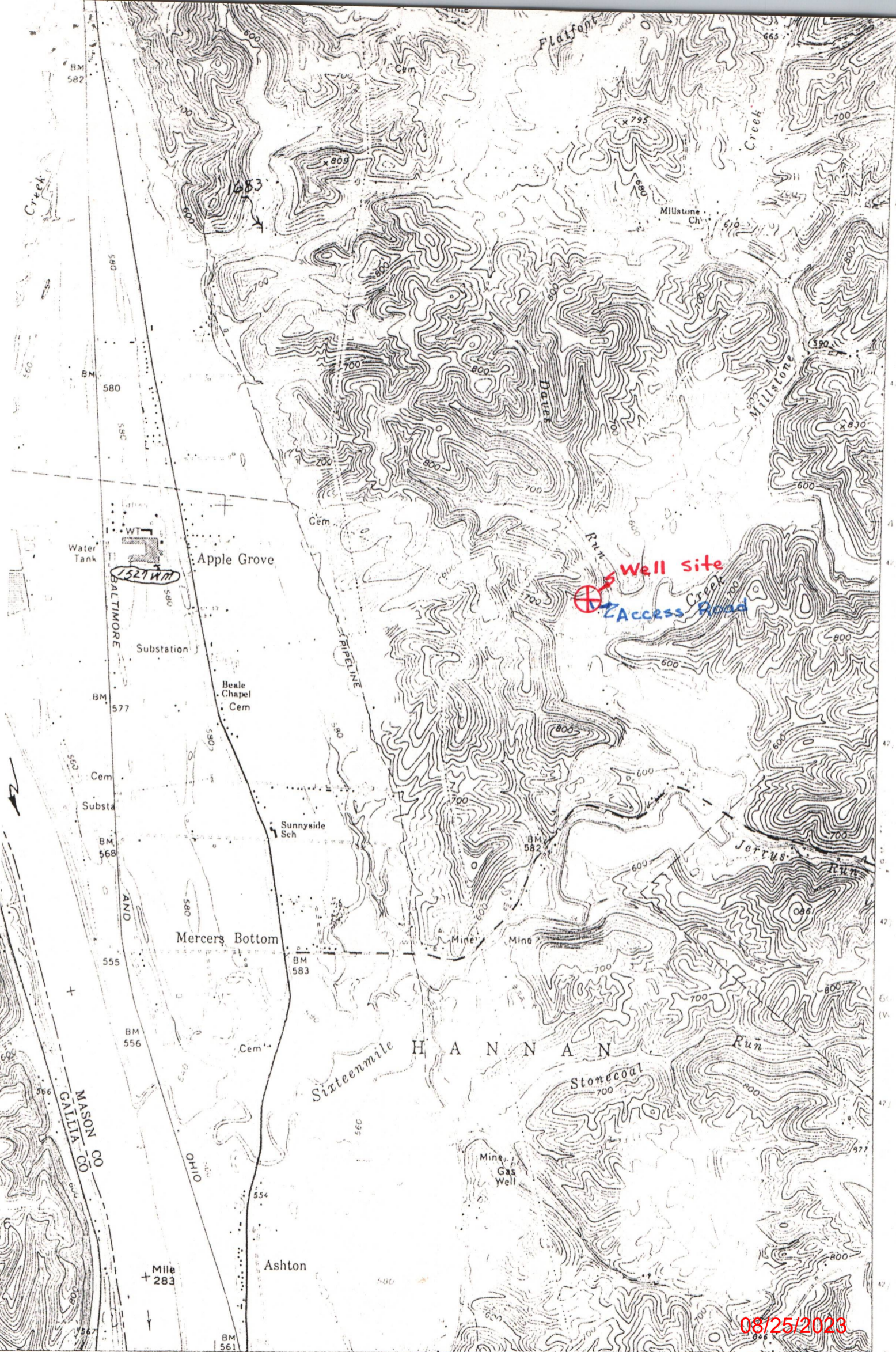
WELL SITE PLAN

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



ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Apple Grove, W

08/25/2023



Well site
Access Road

08/25/2023

1670000 FEET (W. VA.) INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1977 101000m E 82° 07'

ROAD CLASSIFICATION

- Primary highway, all weather, hard surface
- Secondary highway, all weather, hard surface
- Light-duty road, all weather, improved surface
- Unimproved road, fair or dry weather



1) Date: July 18, 1983
2) Operator's Well No. 1 - 1920
3) API Well No. 47
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
Address

(i) Name E. W. & Niomi T. Cooper
Address Rt. #3, Box 6A
Milton, WV 25541

(ii) Name I. K. and Myrtle M. Cooper
Address Rt. #3, Box 90
Milton, WV 25541

(iii) Name _____
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name E. W. & Niomi T. Cooper
Address Rt. #3, Box 6A
Milton, WV 25541

Name I. K. & Myrtle M. Cooper
Address Rt. #3, Box 90
Milton, WV 25541

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 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.

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 X

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. Pettey

this 18 day of July, 1983.
My commission expires 5/22, 1989.

Sharon L. Kelley
Notary Public, Upshur County,
State of West Virginia

WELL

OPERATOR Union Drilling, Inc.

By Joseph C. Pettey
Its Joseph C. Pettey, Vice President of Prod.
Address P. O. Drawer 40
Buckhannon, WV 26201
Telephone (304) 472-4610

COMMISSIONED BY
SHARON L. KELLEY

RECEIVED

JUL 20 1983

OIL & GAS DIVISION
DEPT. OF MINES

08/25/2023

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</u> | <u>Page</u> |
|------------------------------|------------------------------|----------------|-------------|-------------|
| E. W. & Naomi T. Cooper | Union Drilling, Inc. | 1/8th | 55 | 1 |
| I. Kelson & Myrtle M. Cooper | | | | |

RECEIVED
JUL 20 1983

OIL & GAS DIVISION
DEPT. OF MINES

P 311 719 090

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, Apr. 1976

| | | |
|---|----------------------------------|------------------|
| SENT TO | | Mr. I. K. Cooper |
| STREET AND NO. | | Route #3, Box 90 |
| P.O., STATE AND ZIP CODE | | Milton, WV 25541 |
| POSTAGE | | \$ |
| CONSULT POSTMASTER FOR FEES | | |
| OPTIONAL SERVICES | | |
| CERTIFIED FEE | | ¢ |
| SPECIAL DELIVERY | | ¢ |
| RESTRICTED DELIVERY | | ¢ |
| RETURN RECEIPT SERVICE | | ¢ |
| SHOW TO WHOM AND DATE DELIVERED | | ¢ |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY | | ¢ |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | | ¢ |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | | ¢ |
| TOTAL POSTAGE AND FEES | | \$ |
| POSTMARK OR DATE | 7/19/83 Permit for Well No. 1920 | |

P 311 719 091

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, Apr. 1976

| | | |
|---|----------------------------------|------------------|
| SENT TO | | Mr. E. W. Cooper |
| STREET AND NO. | | Route #3, Box 6A |
| P.O., STATE AND ZIP CODE | | Milton, WV 25541 |
| POSTAGE | | \$ |
| CONSULT POSTMASTER FOR FEES | | |
| OPTIONAL SERVICES | | |
| CERTIFIED FEE | | ¢ |
| SPECIAL DELIVERY | | ¢ |
| RESTRICTED DELIVERY | | ¢ |
| RETURN RECEIPT SERVICE | | ¢ |
| SHOW TO WHOM AND DATE DELIVERED | | ¢ |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY | | ¢ |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | | ¢ |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | | ¢ |
| TOTAL POSTAGE AND FEES | | \$ |
| POSTMARK OR DATE | 7/19/83 Permit for Well No. 1920 | |

08/25/2023

08/25/2023

P 311 719 174

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

SENT TO
Mr. I. K. Cooper
STREET AND NO.
Route #3, Box 90
P.O. STATE AND ZIP CODE
Milton, WV 25541

| | |
|---|----|
| POSTAGE | \$ |
| CERTIFIED FEE | ¢ |
| SPECIAL DELIVERY | ¢ |
| RESTRICTED DELIVERY | ¢ |
| SHOW TO WHOM AND DATE DELIVERED | ¢ |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY | ¢ |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | ¢ |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢ |
| TOTAL POSTAGE AND FEES | \$ |

POSTMARK OR DATE
8/3/83 Permit
1920

PS Form 3800, Apr. 1976

P 311 719 173

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

SENT TO
Mr. E. W. Cooper
STREET AND NO.
Route #3, Box 6A
P.O. STATE AND ZIP CODE
Milton, WV 25541

| | |
|---|----|
| POSTAGE | \$ |
| CERTIFIED FEE | ¢ |
| SPECIAL DELIVERY | ¢ |
| RESTRICTED DELIVERY | ¢ |
| SHOW TO WHOM AND DATE DELIVERED | ¢ |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY | ¢ |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | ¢ |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢ |
| TOTAL POSTAGE AND FEES | \$ |

POSTMARK OR DATE
8/3/83 1920 Permit

PS Form 3800, Apr. 1976

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered —¢
 - Show to whom, date, and address of delivery.. —¢
2. RESTRICTED DELIVERY —¢
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO:
Mr. I. K. Cooper
Route #3, Box 90
Milton, WV 25541

4. TYPE OF SERVICE: ARTICLE NUMBER

| | | |
|---|----------------------------------|---------------|
| <input type="checkbox"/> REGISTERED | <input type="checkbox"/> INSURED | p 311 719 090 |
| <input checked="" type="checkbox"/> CERTIFIED | <input type="checkbox"/> COD | |
| <input type="checkbox"/> EXPRESS MAIL | | |

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE Addressee Authorized agent

Marilyn Cooper
5. DATE OF DELIVERY POSTMARK

7-20-83
6. ADDRESSEE'S ADDRESS (Only if requested)

JUL 20 1983

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

NC

1920

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

E.W. Cooper #1
J. Kelson Cooper

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered —¢
 - Show to whom, date, and address of delivery.. —¢
2. RESTRICTED DELIVERY —¢
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO:
Mr. E. W. Cooper
Route #3, Box 6A
Milton, WV 25541

4. TYPE OF SERVICE: ARTICLE NUMBER

| | | |
|---|----------------------------------|---------------|
| <input type="checkbox"/> REGISTERED | <input type="checkbox"/> INSURED | P 311 719 091 |
| <input checked="" type="checkbox"/> CERTIFIED | <input type="checkbox"/> COD | |
| <input type="checkbox"/> EXPRESS MAIL | | |

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE Addressee Authorized agent

Norm Cooper
5. DATE OF DELIVERY POSTMARK

7-20-83
6. ADDRESSEE'S ADDRESS (Only if requested)

JUL 20 1983

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

NC

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL



IV-35
(Rev 8-81)

RECEIVED

NOV 23 1983

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date November 14, 1983
Operator's
Well No. 1 - 1920
Farm I. Kelson Cooper
API No. 47 - 053 - 0301

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 x / Underground Storage / Deep / Shallow x /)

LOCATION: Elevation: 580.21 Watershed Sixteenmile Creek
District: Haman County Mason Quadrangle Apple Grove

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 E. W. & Naomi Cooper
Rt 3, Box 6A, Milton, WV 25541
ADDRESS and I. K. & Myrtle Cooper
Rt 3, Box 90, Milton, WV 25541
MINERAL RIGHTS OWNER
ADDRESS Same as Surface Owners
OIL AND GAS INSPECTOR FOR THIS WORK Jerry
Tapbaloh ADDRESS Rt. #1, Box 101-A
Ripley, WV 25271
PERMIT ISSUED August 16, 1983
DRILLING COMMENCED 10/18/83
DRILLING COMPLETED 10/21/83

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 13-10" | 40' | 40' | |
| 9 5/8 | 744.60' | 744.60' | 266 cf |
| 8 5/8 | | | |
| 7 | 695.65' | 695.65' | 94 cf |
| 5 1/2 | | | |
| 4 1/2 | 3117.70' | 3117.70' | 125 cf |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3170 feet
Depth of completed well 3170 feet Rotary x / Cable Tools _____
Water strata depth: Fresh 65 feet; Salt 1155 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3170 feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 60 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests ? hours
Static rock pressure 575 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
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

08/25/2023

(Continue on reverse side)

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

On 10/27/83 Halliburton Foam Fractured the Devonian Shale (2748/3076) with 184 BBL Water, 60,000# sand, 906,000 SCF Nitrogen.

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 NOV 28 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|---------------------------------|-------|--------------|----------|-------------|--|
| Fill | | | 0 | 10 | |
| Sand and Shale | | | 10 | 1218 | Water at 65' 2" stream |
| Big Lime | | | 1218 | 1342 | Water at 1155' 3" stream |
| Big Injun | | | 1342 | 1636 | |
| Sand and Shale | | | 1636 | 1856 | |
| Berea | | | 1856 | 1830 | |
| Top of the Devonian Shale to TD | | | 1830 | 3170 | |

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

Joseph C. Pettey
Vice President of Prod.

By: *Joseph C. Pettey*

08/25/2023

Date: November 14, 1983

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

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OCT 21 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 053 0301

Oil or Gas Well _____
(KIND)

Company Union Drilling

Address _____

Farm Cooper

Well No. 1920

District _____ County Mason

Drilling commenced 10 14 83

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 | | | Size of _____ |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Jimmy Lophery

Remarks: 10 16 83 9 5/8 744.6 set at 754 KB 225 SKS new Cement Halliburton.
10 18 83 7 3/8 7" ~~1975~~ 1975.5 set at 1988 KB 30 SKS new Cement "
10 19 83 when back in would not unload brought back 18 stands
of Drill stems then unloaded - all Cement - They are to
call Halliburton to Redue Cement, Bad Cement Job.

10 19 83
DATE

Jerry 08/25/2023
DISTRICT WELL INSPECTOR

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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 0301
053

Oil or Gas Well _____
(KIND)

| | | | | |
|---|---|------------------|--------------|----------------------|
| Company <u>Univ.</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| Address _____ | Size | | | |
| Farm _____ | 16 | | | Kind of Packer _____ |
| Well No. _____ | 13 | | | |
| District _____ County <u>Mason</u> | 10 | | | Size of _____ |
| Drilling commenced _____ | 8 1/4 | | | |
| Drilling completed <u>10 2183</u> Total depth <u>3169</u> | 6 3/16 | | | Depth set _____ |
| Date shot _____ Depth of shot _____ | 3 | | | Perf. top _____ |
| Initial open flow _____ /10ths Water in _____ Inch | 2 | | | Perf. bottom _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | Liners Used | | | Perf. top _____ |
| Volume _____ Cu. Ft. | | | | Perf. bottom _____ |
| Rock pressure _____ lbs. _____ hrs. | CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ | | | |
| Oil _____ bbls., 1st 24 hrs. | NAME OF SERVICE COMPANY _____ | | | |
| Fresh water _____ feet _____ feet | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES | | | |
| Salt water _____ feet _____ feet | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |

Drillers' Names _____

Remarks: 10 2183
TD 3169 10 2183 Ran 3117' 4 1/2" pipe
705Ks Cement Halibut
plug down at 30 pm.

10 2183
DATE

Jerry T. Trepel
08/25/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

| Liner | | | Location | Amount | Packer | Location | | |
|-----------------------------|-----------|------|-----------------------|--------|--------|-------------------|------|------|
| PLUGS USED AND DEPTH PLACED | | | BRIDGES | | | CASING AND TUBING | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | | | RECOVERED | SIZE | LOST |
| | | | | | | | | |
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Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

08/25/2023
DISTRICT WELL INSPECTOR

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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil & Gas Well
(KIND)

Permit No. 0530301

Company Union Drilling

Address _____

Farm _____

Well No. _____

District _____ County MASON

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 | | | Size of _____ |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: Redox Count 50545 OK Halliburton

10 21 83

DATE

Jerry [Signature]
08/25/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

| Liner | | Location | | Amount | Packer | Location | | |
|-----------------------------|-----------|----------|-----------------------|-----------|--------|-------------------|--|--|
| PLUGS USED AND DEPTH PLACED | | | | BRIDGES | | CASING AND TUBING | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | RECOVERED | SIZE | LOST | | |
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Drillers' Names _____

Remarks: _____

_____ DATE I hereby certify I visited the above well on this date.

08/25/2023
DISTRICT WELL INSPECTOR

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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 053301

Oil or Gas Well _____
(KIND)

| | | | | |
|---|-------------------|------------------|--------------------|----------------------|
| Company <u>Union</u> Address _____ Farm _____ Well No. _____ District _____ County <u>Mason</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| | Size | | | |
| | 16 | | | Kind of Packer _____ |
| | 13 | | | |
| | 10 | | | Size of _____ |
| | 8 1/4 | | | |
| | 6 3/8 | | | Depth set _____ |
| | 5 3/16 | | | |
| | 3 | | | Perf. top _____ |
| | 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ | |
| | | | Perf. bottom _____ | |
| CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ NAME OF SERVICE COMPANY _____ COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES _____ FEET _____ INCHES FEET _____ INCHES _____ FEET _____ INCHES FEET _____ INCHES | | | | |

Drillers' Names _____

Remarks: preparing to flow.

10 2783

DATE

Jerry T. ...
08/25/2023
DISTRICT WELL INSPECTOR

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 053 301

Oil or Gas Well _____
(KIND)

| | | | | |
|---|---|------------------|--------------|----------------------|
| Company <u>Union Drilling</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| Address _____ | Size | | | Kind of Packer _____ |
| Farm _____ | 16 | | | Size of _____ |
| Well No. _____ | 13 | | | Depth set _____ |
| District _____ County <u>Mason</u> | 10 | | | Perf. top _____ |
| Drilling commenced _____ | 8 1/4 | | | Perf. bottom _____ |
| Drilling completed _____ Total depth _____ | 6 5/8 | | | Perf. top _____ |
| Date shot _____ Depth of shot _____ | 5 3/16 | | | Perf. bottom _____ |
| Initial open flow _____ /10ths Water in _____ Inch | 3 | | | Liners Used _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | 2 | | | |
| Volume _____ Cu. Ft. | CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ | | | |
| Rock pressure _____ lbs. _____ hrs. | NAME OF SERVICE COMPANY _____ | | | |
| Oil _____ bbls., 1st 24 hrs. | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES | | | |
| Fresh water _____ feet _____ feet | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |
| Salt water _____ feet _____ feet | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |

Drillers' Names _____

Remarks: _____

Trucks on while wet needs leveled and reseeded.

6 6 84

DATE

Jerry Teple 06/25/2023

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

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 AUG 14 1984

FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT
 OIL & GAS DIVISION
 DEPT. OF MINES

Permit No. 053-0301

County Mason

Company Union Drilling, Inc.

District Hannan

Inspector JERRY TEPHABOCK

Farm I. Kelson Cooper

Date December 6, 1983

Well No. 1-1920 Issued 8-16-83

| RULE | DESCRIPTION | IN COMPLIANCE | |
|-------|---|---------------|-----|
| | | Yes | No |
| 23.06 | Notification prior to starting work | X | ___ |
| 25.04 | Prepared before drilling to prevent waste | X | ___ |
| 25.03 | High-pressure drilling | ___ | ___ |
| 16.01 | Required permits at wellsite | X | ___ |
| 15.03 | Adequate fresh water casing | X | ___ |
| 15.02 | Adequate coal casing | ___ | ___ |
| 15.01 | Adequate production casing | X | ___ |
| 15.04 | Adequate cement strength | X | ___ |
| 23.02 | Maintained access roads | X | ___ |
| 25.01 | Necessary equipment to prevent waste | X | ___ |
| 23.03 | Reclaimed drilling site | X | ___ |
| 23.04 | Reclaimed drilling pits | X | ___ |
| 23.05 | No surface or underground pollution | X | ___ |
| 7.05 | Identification markings | X | ___ |

COMMENTS: _____

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

SIGNED: Jerry Tephabock

DATE: 8984 08/25/2023



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

August 31, 1984

Union Drilling, Inc.
P. O. Drawer 40
Buckhannon, W. Va. 26201

In Re: PERMIT NO: 47-053-0301 8/83
FARM: I. Kelson Cooper, et al
WELL NO: 1 - 1920
DISTRICT: Hannan
COUNTY Mason

Gentlemen:

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

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

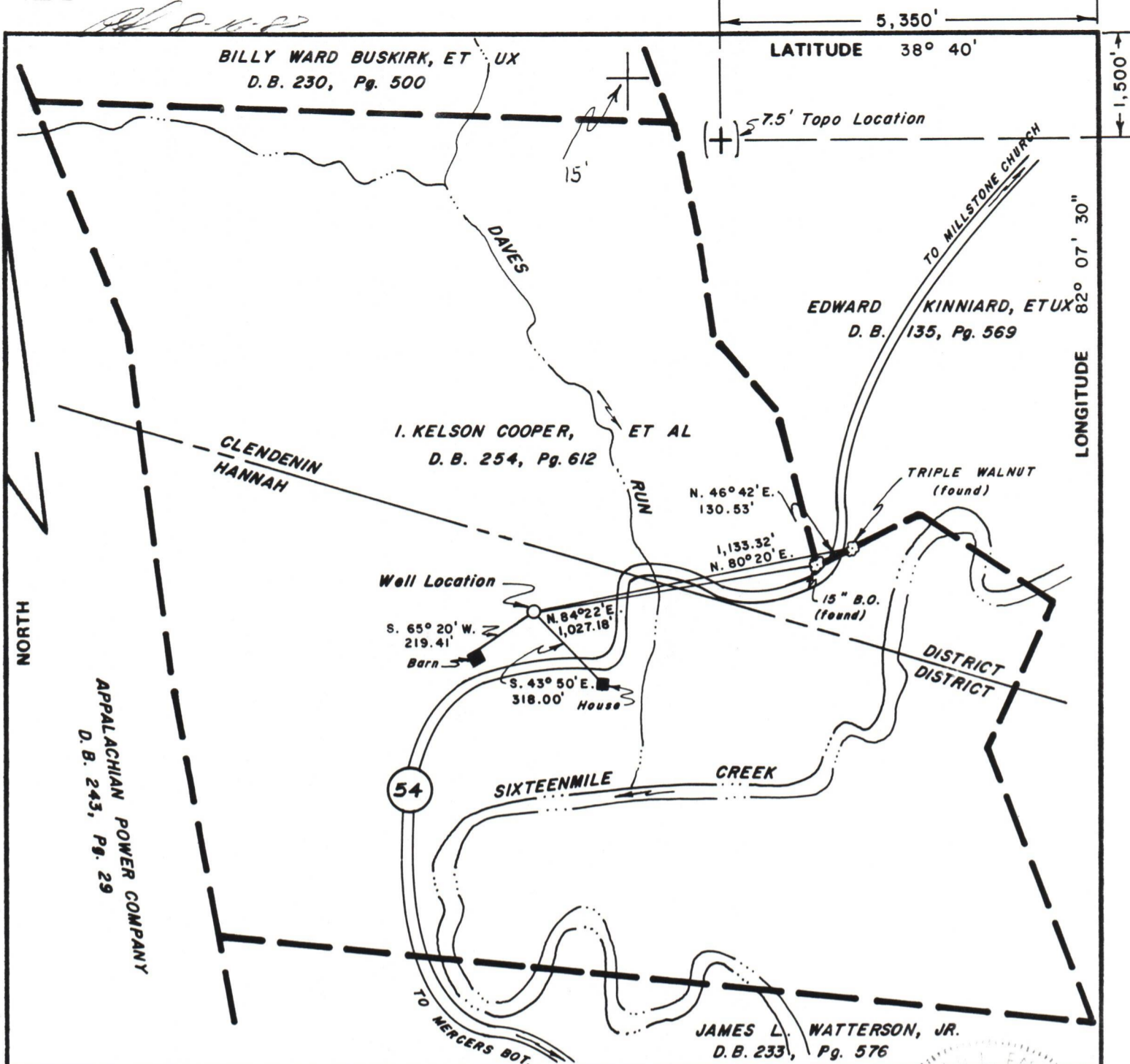
_____ Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

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

08/25/2023



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ☑ intersection of Sec. Rts. 54 & 72. Elev. = 590

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) Ronald S. Coyle
 R.P.E. _____ L.L.S. 150



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



DATE July 5, 19 83
 OPERATOR'S WELL NO. 1920
 API WELL NO. 47-053-0301
 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 ___ STORAGE X DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 580.21 WATER SHED Sixteenmile Creek
 DISTRICT Hannan COUNTY Mason
 QUADRANGLE Apple Grove
 SURFACE OWNER I. Kelson Cooper, et al ACREAGE 178
 OIL & GAS ROYALTY OWNER I. Kelson Cooper, et al LEASE ACREAGE 178
 LEASE NO. C-2-183

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

08/25/2023

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Devonian Shale ESTIMATED DEPTH 3,200'
 WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Petty
 ADDRESS Drawer 40 ADDRESS Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201

MASON 0301