



1) Date: February 28, 19 84  
 2) Operator's Well No. 2A  
 3) API Well No. 47 - 085 - 6896  
 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  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 1000' Watershed: Grass Run  
 District: Murphy County: Ritchie Quadrangle: Smithville 7.5'
- 6) WELL OPERATOR United Operating Company  
 Address 930 Commerce Square  
Charleston, WV 25301
- 7) DESIGNATED AGENT Jack L. Trittipo  
 Address 930 Commerce Square  
Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Samuel Hersman  
 Address P. O. Box 66  
Smithville, WV 26178
- 9) DRILLING CONTRACTOR:  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Marcellus Shale (or lower Devonian Shale)
- 12) Estimated depth of completed well, 5990' feet
- 13) Approximate strata depths: Fresh, N/A feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_

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 MAR 15 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         | CW    |                | X   |      | 30'               | pull                      |                                      | Kinds         |
| Fresh water           |                |       |                |     |      |                   |                           |                                      |               |
| Coal                  |                |       |                |     |      |                   |                           |                                      | Sizes         |
| Intermediate          | 8 5/8          | CW    | 23             | X   |      | 800'              | circulated                | to surface by rule 15:01             | Depths set    |
| Production            | 4 1/2          | J 55  | 10.5           | X   |      | 5990'             | 2000' fill-up as required |                                      |               |
| Tubing                |                |       |                |     |      |                   | by rule 15:01             |                                      |               |
| Liners                |                |       |                |     |      |                   |                           |                                      | Perforations: |
|                       |                |       |                |     |      |                   |                           |                                      | Top Bottom    |

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-085-6896 Date March 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 March 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

|                         |                     |                    |                     |                    |
|-------------------------|---------------------|--------------------|---------------------|--------------------|
| Bond:<br><b>BLANKET</b> | Agent:<br><u>Lo</u> | Plat:<br><u>MH</u> | Casing<br><u>MH</u> | Fee<br><u>8868</u> |
|-------------------------|---------------------|--------------------|---------------------|--------------------|

*[Signature]*  
 Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
**OFFICE USE ONLY**

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

1) LOCATION: District: Putnam, County: Putnam, Elevation: 1000, B (ft) "Gas" Production: 1000, Underground storage: Shallow, Deep: X

2) WELL OPERATOR: United Operating Company, Address: 300 Commerce Square, Charleston, WV 25301

3) DESIGNATED AGENT: Jack L. Trotter, Address: 300 Commerce Square, Charleston, WV 25301

4) DRILLING CONTRACTOR: Name: James H. Heston, Address: P.O. Box 95, Putnamville, WV 25076

5) PROPOSED WELL WORK: Drill: deeper, Plug off old formation: X, Perform new formation: X

6) GEOLOGICAL TARGET FORMATION: Estimated depth of completed well: 300 feet, Approximate true depths: Fresh: 100 feet, Approximate coal seam depths: 10 feet

7) IS COAL BEING MINED IN THE AREA? Yes

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 MAR 1 5 1984

| Casing or Tubing Type | Size   | Grade | Specifications |     |      | Footage Intervals | Cement Lining or Sacks (Cubic Feet) | Tackers |
|-----------------------|--------|-------|----------------|-----|------|-------------------|-------------------------------------|---------|
|                       |        |       | Weight per Ft. | New | Used |                   |                                     |         |
| Conductor             | 7-1/2" | API   |                |     |      | 0-30'             |                                     | Kind    |
| Production            |        |       |                |     |      |                   |                                     |         |

**OFFICE USE ONLY**

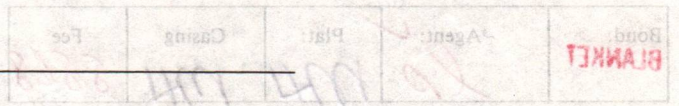
This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

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

**OTHER INSPECTIONS**

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

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



04/26/2024



IV-9  
(Rev 8-81)

DATE 2/16/84  
WELL NO. 2A  
API NO. 47 - 085 - 6896

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME United Operating Company DESIGNATED AGENT Lyle Coffman  
Address Charleston, WV Address Glenville, WV  
Telephone 343-9383 Telephone 462-7176  
LANDOWNER C. M. Bailey SOIL CONS. DISTRICT Little Kanawha  
Revegetation to be carried out by Lyle Coffman (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 2-27-84 (Date)

Garrett Newton  
(SCD Agent)

ACCESS ROAD GRADE 5% (1500') 11 LOCATION

|                                          |                                                |
|------------------------------------------|------------------------------------------------|
| Structure <u>Cross Drains (11)</u> (A)   | Structure <u>Temporary Diversion Ditch (1)</u> |
| Spacing <u>135' Apart</u>                | Material <u>Soil</u>                           |
| Page Ref. Manual <u>2-4</u>              | Page Ref. Manual <u>2-12</u>                   |
| Structure <u>Culvert</u> (B)             | Structure <u>Rip Rap (2)</u>                   |
| Spacing <u>N/A</u> Inch                  | Material <u>Rock</u>                           |
| Page Ref. Manual <u>2-7</u>              | Page Ref. Manual <u>N/A</u>                    |
| Structure <u>Open Ditch</u> (C)          | Structure _____ (3)                            |
| Spacing <u>Along side of access road</u> | Material _____                                 |
| Page Ref. Manual <u>2-12</u>             | 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 500 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed\* K-31 Fescue 35 lbs/acre  
Redtop 10 lbs/acre  
Ladino Clover 5 lbs/acre

Treatment Area II

Lime 3 Tons/acre  
or correct to pH 6.5

Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed\* K-31 Fescue 35 lbs/acre  
Redtop 10 lbs/acre  
Ladino Clover 5 lbs/acre

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

PLAN PREPARED BY Chet Waterman 04/26/2024

ADDRESS 1704 - 18th Street  
Parkersburg, WV 26101  
PHONE NO. 428-5715

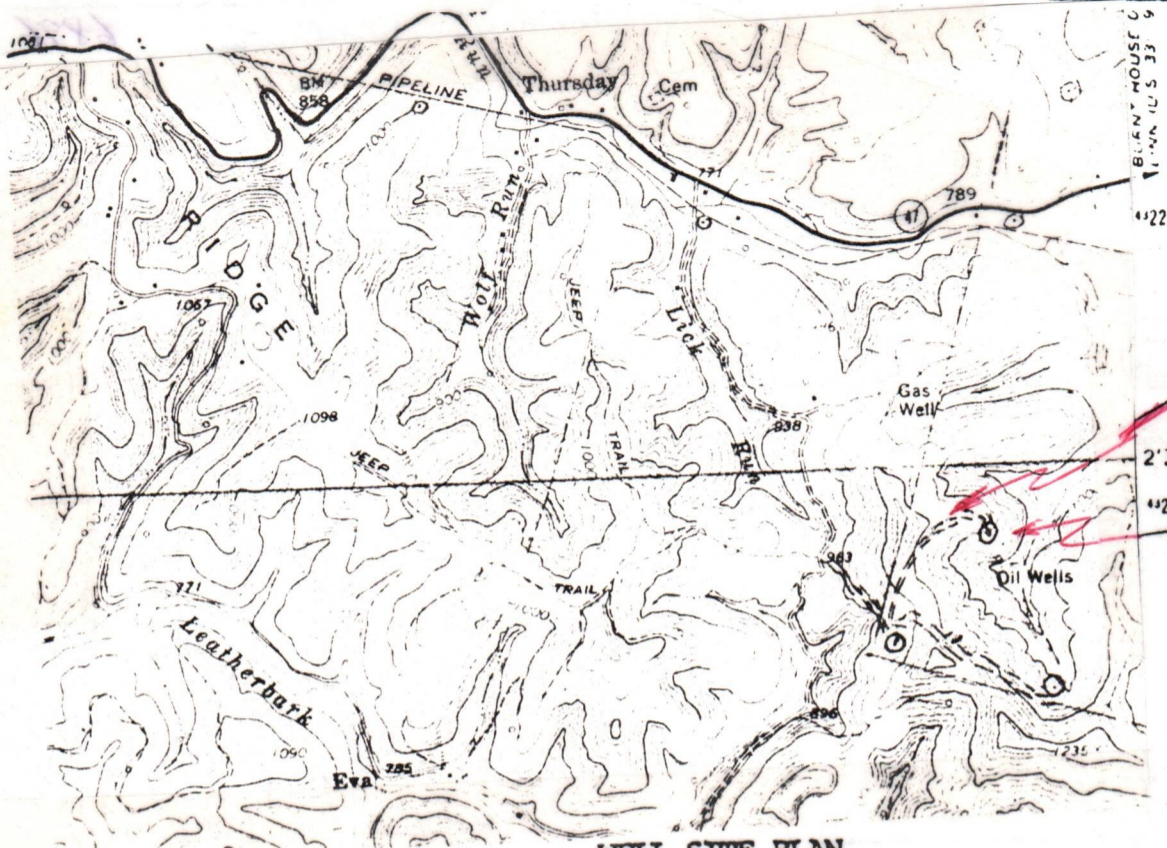
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

OR PHOTOGRAPHY SECTION OF  
 ADJUSTED TOPOGRAPHIC MAP.  
 AD RANGLE SMITHVILLE 7.5'

LEGEND

Well Site ⊕

Access Road ———



WELL SITE PLAN

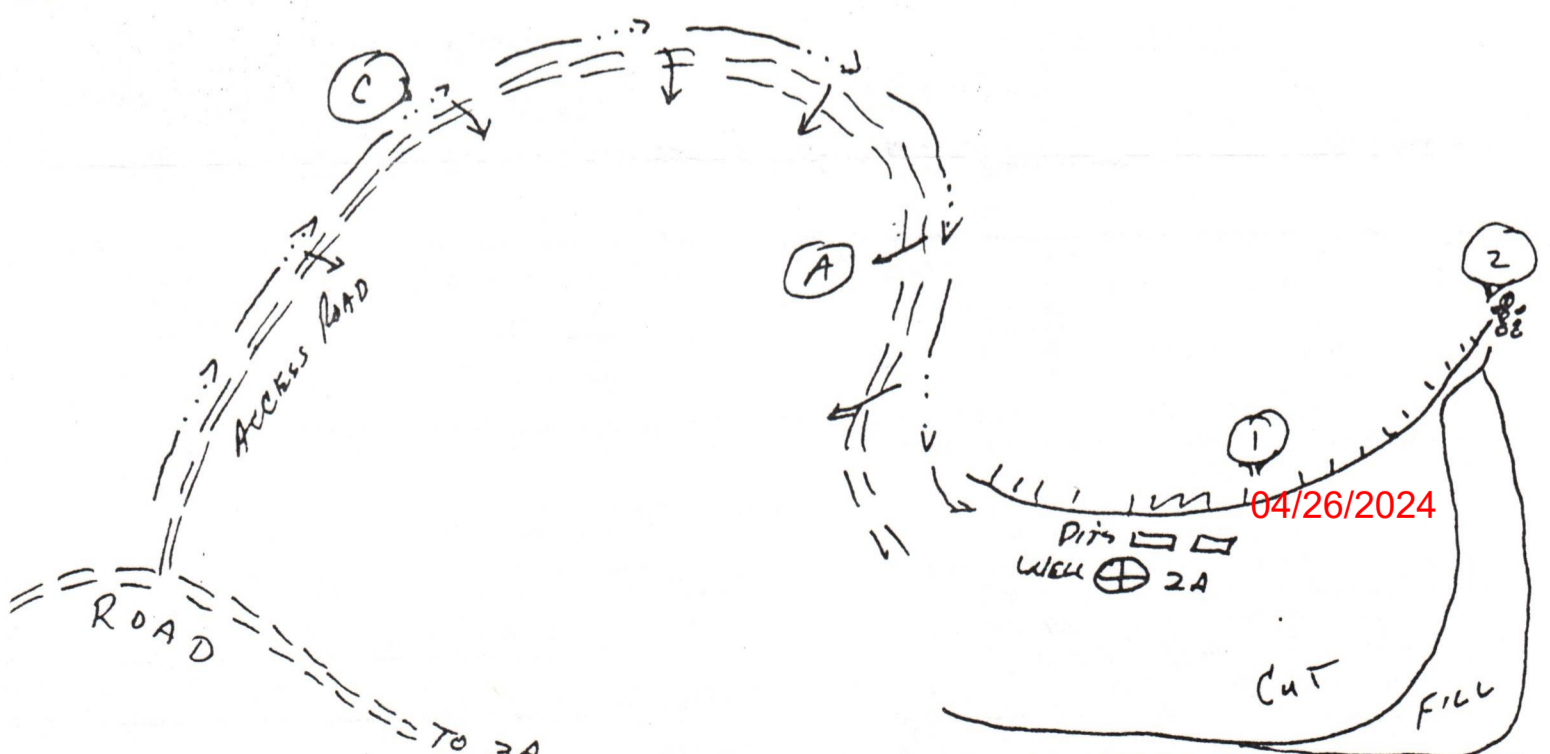
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

|                                   |                          |
|-----------------------------------|--------------------------|
| Property boundary ———             | Diversion ———            |
| Road = = = = =                    | Spring ○ →               |
| Existing fence — x — x —          | Wet spot ⊕               |
| Planned fence — / — / —           | Building ■               |
| Stream ~ ~ ~ ~ ~                  | Drain pipe — ○ — ○ — ○ — |
| Open ditch — ···· — ···· — ···· — | Waterway < = = = =       |

ACCESS ROAD GRADE 5% (1500')  
 ROAD BANKS 2:1 SLOPE

LOCATION GRADE = 1% INTO DIVERSION DITCH



TREES TO BE CUT AND STACKED. BRUSH TO BE DISPOSED OF BEFORE EARTHWORK BEGINS.  
 REVEGETATION TO BE COMPLETED WITHIN SIX MONTHS OF WELL COMPLETION.

1) Date: February 28, 19 84  
2) Operator's Well No. 2A  
3) API Well No. 47 - 085 - 6896  
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  
(i) Name C. M. Bailey  
Address Burnt House, WV 26336  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

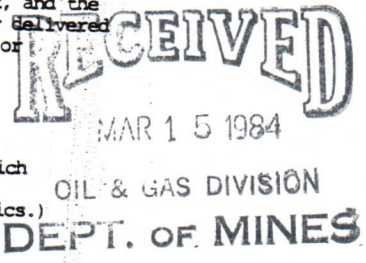
5(i) COAL OPERATOR N/A  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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 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  
J. L. Trittippo  
this 28 day of February, 19 84.  
My commission expires 10-6, 19 91.

WELL OPERATOR United Operating Company  
By Jack L. Trittippo  
Its President  
Address 930 Commerce Square,  
Charleston, WV 25301  
Telephone 343-9383

Karen A. Con  
Notary Public, Kanawha County,  
State of West Virginia

04/26/2024

INSTRUCTIONS TO APPLICANT

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:

| Grantor, lessor, etc. | Grantee, lessee, etc. | Royalty | Book Page |
|-----------------------|-----------------------|---------|-----------|
| J.F. Hartman          | J. Frank Deem         | 1/8     | 167-718   |

**SURFACE OWNER'S COPY**



1) Date: February 28, 19 84  
 2) Operator's Well No. 2A  
 3) API Well No. 47 State 085 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 X /  
 B (If "Gas", Production X / Underground storage        / Deep        / Shallow X /)
- 5) LOCATION: Elevation: 1000' Watershed: Grass Run  
 District: Murphy County: Ritchie Quadrangle: Smithville 7.5'
- 6) WELL OPERATOR United Operating Company 7) DESIGNATED AGENT Jack L. Trittipo  
 Address 930 Commerce Square Address 930 Commerce Square  
Charleston, WV 25301 Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Samuel Hersman Name         
 Address P. O. Box 66 Address         
Smithville, WV 26178
- 10) PROPOSED WELL WORK: Drill X / Drill deeper        / Redrill        / Stimulate         
 Plug off old formation        / Perforate new formation         
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Marcellus Shale (or lower Devonian Shale) MAR 15 1984
- 12) Estimated depth of completed well, 5990' feet  
 13) Approximate trata depths: Fresh, N/A feet; salt,        feet.  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes

**RECEIVED**  
 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         | CW    |                | X   |      | 30'               | pull                                    |                                      | Kinds         |
| Fresh water           |                |       |                |     |      |                   |                                         |                                      |               |
| Coal                  |                |       |                |     |      |                   |                                         |                                      | Sizes         |
| Intermediate          | 8 5/8          | CW    | 23             | X   |      | 800'              | calculated                              |                                      | Depths set    |
| Production            | 4 1/2          | J 55  | 10.5           | X   |      | 5990'             | 2000' fill-up as required by rule 15:01 |                                      |               |
| 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 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 \_\_\_\_\_

\*P. M. Bailey Date: 3-5-84  
 (Signature)  
Karen A. Carr Date: 3-5-84  
 (Signature)  
Notary Public

**04/26/2024**  
 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.





DATE: February 28, 19 84  
OPERATOR'S  
WELL NO.: 2A

API NO: 47 - 085 -  
State County Permit No

State of West Virginia

OFFICE OF OIL AND GAS  
DEPARTMENT OF MINES

A F F I D A V I T

State of West Virginia

County of Ritchie

I, Jack L. Trittipo (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).

Signed: Jack L Trittipo

Taken, Subscribed, and sworn to before me this 28th day of Feb., 19 84.

Notary: Karen A. Carr

My Commission Expires: October 6, 1991

RECEIVED

MAY 7 - 1984



IV-35

(Rev 8-81)

OIL & GAS DIVISION

DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Date May 4, 1984

Operator's

Well No. #2A

Farm J. L. Hartman

API No. 47 - 085 - 6896

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 \_\_\_ /)

LOCATION: Elevation: 1000 Watershed Grass Run

District: Murphy County Ritchie Quadrangle Smithville

COMPANY United Operating Company

ADDRESS 930 Commerce Square

DESIGNATED AGENT J. L. Trittipo

ADDRESS Same

SURFACE OWNER C. M. Bailey

ADDRESS Cox's Mill, WV

MINERAL RIGHTS OWNER J. F. Deem

ADDRESS Parkersburg, WV

OIL AND GAS INSPECTOR FOR THIS WORK Sam

Hersman ADDRESS Smithville, WV

PERMIT ISSUED 3-26-84

DRILLING COMMENCED 4-14-84

DRILLING COMPLETED 4-19-84

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 Cond. |                  |              |                        |
| 13-10"           |                  |              |                        |
| 9 5/8            |                  |              |                        |
| 8 5/8            | 1090             | 1090         | Circulated             |
| 7                |                  |              |                        |
| 5 1/2            |                  |              |                        |
| 4 1/2            | 0                | 5850         | 3000' fillup           |
| 3                |                  |              |                        |
| 2                |                  |              |                        |
| Liners used      |                  |              |                        |

GEOLOGICAL TARGET FORMATION Lower Devonian Elk Depth 5760-5810 feet

Depth of completed well 5900 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 50 feet; Salt \_\_\_\_\_ feet

Coal seam depths: N/A Is coal being mined in the area? \_\_\_\_\_

OPEN FLOW DATA

Producing formation Elk Alexander Pay zone depth 4930-5810 feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow N/A Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A hours

Static rock pressure see below \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(If applicable due to multiple completion--)

Second producing formation Speechley-Riley Pay zone depth 3300-4560 feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 2,100\* Mcf/d Oil: Final open flow N/A Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 1030 psig (surface measurement) after 24 hours shut in

\*Total open flow both zones

(Continue on reverse side)

04/26/2024

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

Foam fraced in five stages:

- 1st 5280 - 5810 - 600 M SCF N<sub>2</sub> - Foam - 40,000# 20 - 40 Sand
- 2nd 4602 - 4992 600 M SCF N<sub>2</sub> - Foam - 40,000# 20 - 40 Sand
- 3rd 4380 - 4580 600 M SCF N<sub>2</sub> - Foam - 40,000# 20 - 40 Sand
- 4th 3660 - 3996 600 M SCF N<sub>2</sub> - Foam - 40,000# 20 - 40 Sand
- 5th 3300 - 3340 600 M SCF N<sub>2</sub> - Foam - 40,000# 20 - 40 Sand

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           | G     | S            | 0        | 118         |                                                                     |
| Red Rock               | R     | A            | 118      | 168         |                                                                     |
| Sand - Shale           | G     | S            | 168      | 1101        |                                                                     |
| Sand                   | G     | H            | 1101     | 1230        |                                                                     |
| Sand - Shale           | G     | S            | 1230     | 1885        |                                                                     |
| Big Lime               | G     | H            | 1885     | 1944        |                                                                     |
| Big Injun              | G     | S            | 1944     | 2010        |                                                                     |
| Shale                  | G     | S            | 2010     | 2358        |                                                                     |
| Sand - Berea           | G     | S            | 2358     | 2366        |                                                                     |
| Sand - Shale           | G     | S            | 2366     | 3298        |                                                                     |
| Sand - Speechley       |       |              | 3298     | 3360        |                                                                     |
| Shale w/Sand Stringers |       |              | 3360     | 4380        |                                                                     |
| Sand                   |       |              | 4380     | 4410        |                                                                     |
| Shale w/Sand Stringers |       |              | 4410     | 4930        |                                                                     |
| Sand - Alexander       |       |              | 4930     | 5000        | No gaugeable gas shows in entire section                            |
| Shale w/Sand           |       |              | 5000     | 5760        |                                                                     |
| Siltstone - Elk        |       |              | 5760     | 5810        |                                                                     |
| Shale                  |       |              | 5810     | 5900        |                                                                     |

(Attach separate sheets as necessary) T.D.

Well Operator

By: J. L. Trittipso

Date: May 4, 1984

04/26/2024

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

RECEIVED  
APR 23 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-6896

Oil or Gas Well \_\_\_\_\_  
(KIND)

|                                                         |                                                           |                  |              |                      |
|---------------------------------------------------------|-----------------------------------------------------------|------------------|--------------|----------------------|
| Company <u>United Operating Co.</u>                     | CASING AND TUBING                                         | USED IN DRILLING | LEFT IN WELL | PACKERS              |
| Address _____                                           | Size                                                      |                  |              |                      |
| Farm <u>C. M. Bailey</u>                                | 16                                                        |                  |              | Kind of Packer _____ |
| Well No. <u>2-A</u>                                     | 13                                                        |                  |              |                      |
| District <u>Murphy</u> County <u>Ritchie</u>            | 10                                                        |                  |              | Size of _____        |
| Drilling commenced <u>4-14-84</u>                       | 8 1/4                                                     |                  |              |                      |
| Drilling completed _____ Total depth _____              | 6 5/8                                                     |                  |              | Depth set _____      |
| Date shot _____ Depth of shot _____                     | 5 3/16                                                    |                  |              |                      |
| Initial open flow _____ /10ths Water in _____ Inch      | 3                                                         |                  |              | Perf. top _____      |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | 2                                                         |                  |              | Perf. bottom _____   |
| Volume _____ Cu. Ft.                                    | Liners Used                                               |                  |              | Perf. top _____      |
| Rock pressure _____ lbs. _____ hrs.                     |                                                           |                  |              | Perf. bottom _____   |
| Oil _____ bbls., 1st 24 hrs.                            | CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ |                  |              |                      |
| Fresh water _____ feet _____ feet                       | NAME OF SERVICE COMPANY _____                             |                  |              |                      |
| Salt water _____ feet _____ feet                        | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES           |                  |              |                      |
|                                                         | _____ FEET _____ INCHES _____ FEET _____ INCHES           |                  |              |                      |
|                                                         | _____ FEET _____ INCHES _____ FEET _____ INCHES           |                  |              |                      |

Drillers' Names C. R. Sonty / R. Meeks / D. K. Philips

Remarks: F.L. Morris Rig # 7 Tol Pusher Howard Drowes  
Ran 1089 foot of 8 5/8" casing  
Dowel ran 310 sacks Class A. - 370cc  
Waiting on cement at time of visit

4-15-84  
DATE

Samuel N. [Signature]  
DISTRICT WELL INSPECTOR

04/26/2024



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

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APR 24 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES  
Oil or Gas Well  
(KIND)

Permit No. 85-6896

Company United Operating Co.  
 Address \_\_\_\_\_  
 Farm C. M. Bailey  
 Well No. 2 A  
 District Murphy County Ritchie  
 Drilling commenced 4-14-84  
 Drilling completed 4-19-84 Total depth 5912  
 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 3/4             |                  |              | 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: Complete hole at depth of 5912.  
to run 5872 foot of 4 1/2" casing with 4000 foot  
of fill up on cement

4-19-84  
DATE

Samuel N. Hazzaman  
DISTRICT WELL INSPECTOR  
04/26/2024





RECEIVED

JUN 26 1984

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

OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
May 30, 1984

COMPANY United Operating Company  
930 Commerce Square  
Charleston, West Virginia 25301

PERMIT NO 085-6896 (3-26-84)  
FARM & WELL NO J. L. Hartman #2A  
DIST. & COUNTY Murphy/Ritchie

| 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 Samuel N. Hersman

DATE 6-26-84

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. L. ...

Administrator-Oil & Gas Division

July 19, 1984

TMS/rls

DATE

04/26/2024



ASSIGNMENT

THIS ASSIGNMENT, Made and entered into on this the 30th day of December, 1983, by and between J. F. DEEM, party of the first part, hereinafter referred to as "Assignor", and UNITED OPERATING COMPANY, a corporation, party of the second part, hereinafter referred to as "Assignee".

WITNESSETH: That for and in consideration of the sum of Six Thousand Seven Hundred Thirty and no/100 (\$6,730.00) Dollars cash in hand paid and the payment of a like sum on December 30, 1984, which is evidenced by a negotiable promissory note of even date herewith and secured by a vendor's lien on the oil and gas lease and leasehold estate hereinafter described, Assignor, subject to the terms and conditions hereinafter set forth, hereby assigns, sets over and conveys unto Assignee the following described oil and gas lease and leasehold estate thereby created, situate in Murphy District, Ritchie County, West Virginia, being more particularly described as follows:

That certain oil and gas lease from Fleet Hardman, et al, dated March 11, 1958, to J. F. Deem covering 673 acres and of record in the Office of the Clerk of the County Commission of Ritchie County, West Virginia, in Lease Book 87, at page 165.

This assignment of the abovedescribed leasehold estate by Assignor to Assignee is made subject to the following terms and conditions:

1) Assignor hereby excepts and reserves unto himself, his heirs and assigns forever, one-sixteenth (1/16) part of the

gross production, to be paid at the market value thereof, from all of the oil and gas produced from the abovedescribed leasehold estate, irrespective of whether or not the same is marketed or sold.

In the event Assignee produces oil from the abovedescribed leasehold estate, it shall cause the purchaser of such oil to pay directly unto Assignor the proceeds therefrom attributable to said overriding royalty.

In the event Assignee should produce gas from said premises, it shall pay unto Assignor the proceeds attributable to said overriding royalty by the 15th day of the month following receipt of such proceeds and shall at that time render to Assignor a well-by-well accounting of all gas produced from said leasehold estate.

All payments and accountings to be made hereunder by Assignee to Assignor shall be made to Assignor at 5518 Second Avenue, Vienna, West Virginia 26105.

2) Assignor hereby excepts and reserves unto himself, his heirs and assigns forever, five oil and gas wells presently situate on said leasehold estate. Assignee shall not drill any wells on said leasehold estate within 200 feet of any of said five existing wells and Assignor has the right to deepen and/or treat, in any manner, each of said existing wells.

Assignor further reserves unto himself, his heirs and assigns forever, a right-of-way for ingress, egress and regress over and across the abovedescribed leasehold estate to each of

said five wells for all purposes, as well as a right-of-way for all oil and gas gathering pipelines.

3) It is contemplated between the parties hereto that Assignee shall drill and complete, on or before December 30, 1985, at least ten (10) wells in search for oil and gas on the abovedescribed leasehold estate.

It is agreed that each well so drilled shall earn sixty-seven (67) acres of the abovedescribed leasehold estate, which sixty-seven (67) acres shall be contiguous to each well so drilled, and the area included within the 200 feet around each existing well reserved by Assignor shall be included when calculating said 67 acres.

In the event Assignee has not drilled and completed ten (10) wells as herein contemplated by December 30, 1985, the residue of the abovedescribed leasehold estate after deducting 67 acres for each well drilled, shall automatically, without any action on the part of either party hereto, revert to Assignor.

4) Assignee shall, prior to the commencement of each well hereunder, furnish Assignor with a copy of the application to the Oil and Gas Division, Bureau of Mines, State of West Virginia, for a permit to drill such well and shall, upon request by Assignor, furnish Assignor with copies, free of cost to Assignor, of all logs, as well as perforation and frac'ing reports.

5) Assignee may assign all or any part of the abovedescribed leasehold estate without the consent of Assignor; however, in such event, Assignee must, at the time of any such assignment, so advise Assignor in writing and furnish Assignor with the name and address of any such Assignee.

6) In the event Assignee fails to make the monthly payments due Assignor by reason of the overriding royalty herein reserved, and if such default should continue for more than thirty (30) days, Assignor may at his option declare this Assignment null and void by merely recording an Affidavit to that effect in the Office of the Clerk of the County Commission of Ritchie County, West Virginia, and the residue, as herein defined, of the abovedescribed leasehold estate shall automatically revert to Assignor the same as if Assignee had reassigned the same by document of record in the aforesaid Clerk's Office to Assignee.

7) Assignor reserves, for the use and benefit of the owner of the surface of said leasehold estate, 200,000 cubic feet of gas per annum for domestic use, to be taken through his own appliances at any producing well, and agrees to pay Assignee a fair domestic rate for any gas used in excess thereof. Assignor further covenants and agrees that his taking and use of gas shall be wholly at his own risk, the Assignee not to be held liable for any accident or damage caused thereby, nor shall Assignee be liable for any shortage or failure in the supply of gas for said domestic use.

722

8) Assignor reserves all formations from the bottom of the onondaga formation or below a depth of 6500 feet, whichever is shallower.

WITNESS the following signature:

J. F. Deem  
J. F. Deem

STATE OF WEST VIRGINIA,  
COUNTY OF WOOD, to-wit:

The foregoing Assignment was acknowledged before me on this the 10 day of January, 1984, by J. F. DEEM.  
My commission expires: 7-11-84

Darbie L. Higgs  
Notary Public

This instrument was prepared under direction and supervision of John S. Bailey, Jr., Attorney at Law, Parkersburg, West Virginia 0183B

**LINDA B. MAZE**  
**CLERK COUNTY COMMISSION**  
Ritchie County Phone (304) 643-2164  
Harrisville, W. Va. 26362-1298

No. 6391

Date Jan. 23rd 1984

RECEIVED OF United Operating Co.  
Five and no/100 Dollars \$ 5.00

For Recording Assgt.

Amount Paid \$ 5.00 THANK YOU LINDA B. MAZE

Cash  Check  # 8625 By: Reatha Burrows, Asst.

STATE OF WEST VIRGINIA,

(Form CC No. 1)

Ritchie County Commission Clerk's Office, ----- January 23rd -----, 19 84 at 3:40 o'clock P. M.

The foregoing writing, with the certificate of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. Maze -----, Clerk

ML 3/23/24

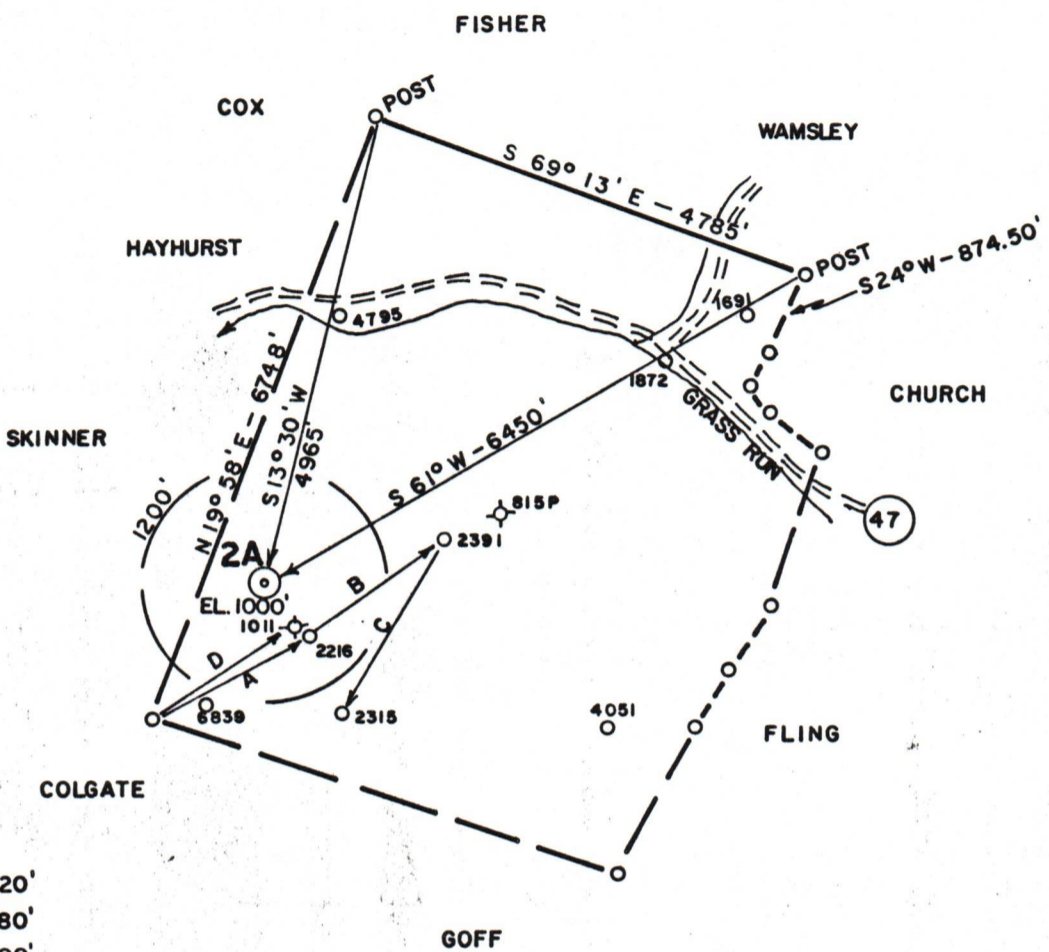
1620' WEST

LATITUDE 39° 02' 30"

700'

LONGITUDE 81° 00' 00"

NORTH



FROM PLATS

- A = N 62° 30' E - 1820'
- B = N 54° 30' E - 1780'
- C = S 31° 00' W - 2100'
- D = N 56° 49' E - 1709'

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

FILE NO. 84-77  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1/200'  
 PROVEN SOURCE OF ELEVATION LICK RUN RD. (963')

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) C. B. Waterman  
 R.P.E. 3788 L.L.S. \_\_\_\_\_



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE 2/16, 19 84  
 OPERATOR'S WELL NO. 2A  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1000 WATER SHED GRASS RUN  
 DISTRICT MURPHY COUNTY RITCHIE  
 QUADRANGLE SMITHVILLE 7.5'

SURFACE OWNER C. M. BAILEY ACREAGE 673  
 OIL & GAS ROYALTY OWNER J. F. HARTMAN HEIRS LEASE ACREAGE 673  
 LEASE NO. \_\_\_\_\_

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 MARCELLUS SHALE ESTIMATED DEPTH 5990'  
 WELL OPERATOR UNITED OPERATING CO. DESIGNATED AGENT LYLE COFFMAN  
 ADDRESS SUITE 930, COMMERCE SQ. CHARLESTON, WV 25301 ADDRESS 527 NORRIS ROAD GLENVILLE, WV 26351

04/26/2024

COUNTY NAME RIT  
 PERMIT 6896

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