



1) Date: May 24, 1984
 2) Operator's Well No. 1992
 3) API Well No. 47 - 083 - 0911
 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: 2425 Watershed: Buckhannon River (MT 31)
 District: Middle Fork County: Randolph Quadrangle: Pickens
 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name Union Drilling, Inc.
 Address Forest Festival Terrace, Apt. #24 Address Post Office Drawer 40
Elkins, WV 26241 Buckhannon, WV 26201
 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, Benson
 12) Estimated depth of completed well, 4200 feet
 13) Approximate tratra depths: Fresh, ? feet; salt, ? feet.
 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes

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 MAY 25 1984
 OIL & GAS DIVISION
 DEPT. OF MINES
 No. XX

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|--------------------------------------|---------------|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | |
| Conductor | 11-3/4 | | 32 | X | | 30' | 30' | | Kinds |
| Fresh water | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 8-5/8 | | 23 | X | | 1000' | 1000' | to surface | NEAT |
| Production | 4-1/2 | J | 10 1/2 | X | | 4200' | 4200' | as required | Depths set |
| Tubing | | | | | | | | by rule 15.01 | |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0911 Date June 18, 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 June 18, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|--------------------|------------------|-----------------|-------------------|---------------------|
| Bond: <u>BLANK</u> | Agent: <u>lo</u> | Plat: <u>MH</u> | Casing: <u>MH</u> | Fee: <u>017-989</u> |
|--------------------|------------------|-----------------|-------------------|---------------------|

[Signature]

Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) Date: 12/1/2023

2) Operator's Well No. 47-083-0911

3) AP Well No. 47-083-0911

4) Well Name: B (H) Gas Production

5) Location: Boone County, West Virginia

6) Well Operator: Union Drilling, Inc.

7) Designated Agent: Joseph C. Wenzel, Jr.

8) Oil & Gas Inspector to be notified: Phillip Tracy

9) Drilling Contractor: Union Drilling, Inc.

10) Proposed Well Work: Drilling 2 1/2" hole, 30' depth

11) Geological Target Formation: 3000'

12) Estimated depth of completed well: 3000'

13) Approximate true depth: 3000'

14) Approximate coal seam depths: 1000'

15) CASING AND TURNING PROGRAM:

| TURNING TYPE | Grade | Weight | Length | Depth | Notes |
|--------------|---------|--------|--------|-------|-------|
| Production | 5-11/2" | 13 | 100' | 1000' | NEAR |
| Intermediate | 5-11/2" | 25 | 100' | 2000' | NEAR |
| Flow water | 5-11/2" | 32 | 100' | 3000' | NEAR |
| Completion | 5-11/2" | 32 | 100' | 3000' | NEAR |

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DEPT. OF MINES OIL & GAS DIVISION

OFFICE USE ONLY

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

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

OTHER INSPECTIONS

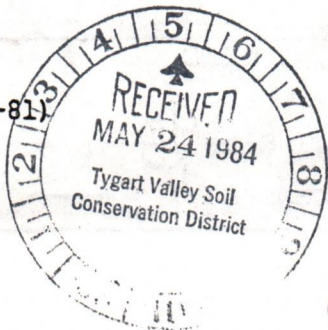
Reason:

Reason:

| | | | | |
|---------|-------|-------|--------|-----|
| Blanket | Agent | Perit | Casing | Fee |
| | | | | |



IV-9
(Rev 8-81)



DATE 5-23-84
WELL NO. 1992-#2
API NO. 47-083-0911

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc.
Address P. O. Drawer 40, Buckhannon, WV
Telephone 472-4610

DESIGNATED AGENT Joseph C. Vanzant, Jr.
Address P. O. Drawer 40, Buckhannon, WV 26201
Telephone 472-4610

LANDOWNER Ruth Bell Lumber Co.
Revegetation to be carried out by Union Drilling, Inc.

SOIL CONS. DISTRICT Tygart Valley SCD
(Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 5-24-84 (Date)

Junior Hedrick
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert Pipe (12" Min) (A)
Spacing At Natural Drains
Page Ref. Manual _____

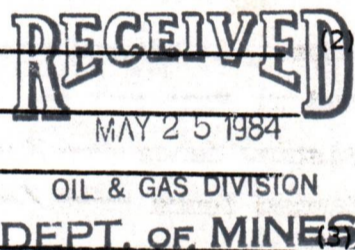
Structure Diversion Ditch (1)
Material Earthen
Page Ref. Manual _____

Structure Cross Drains (B)
Spacing 250' + -
Page Ref. Manual _____

Structure _____
Material _____
Page Ref. Manual _____

Structure Roadway Ditch (C)
Spacing _____
Page Ref. Manual _____

Structure _____
Material _____
Page Ref. Manual _____



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

REVEGETATION

Treatment Area I

Treatment Area II

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

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

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

PLAN PREPARED BY Danny O'May 12/04/2023

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

PHONE NO. (304) 472-4610

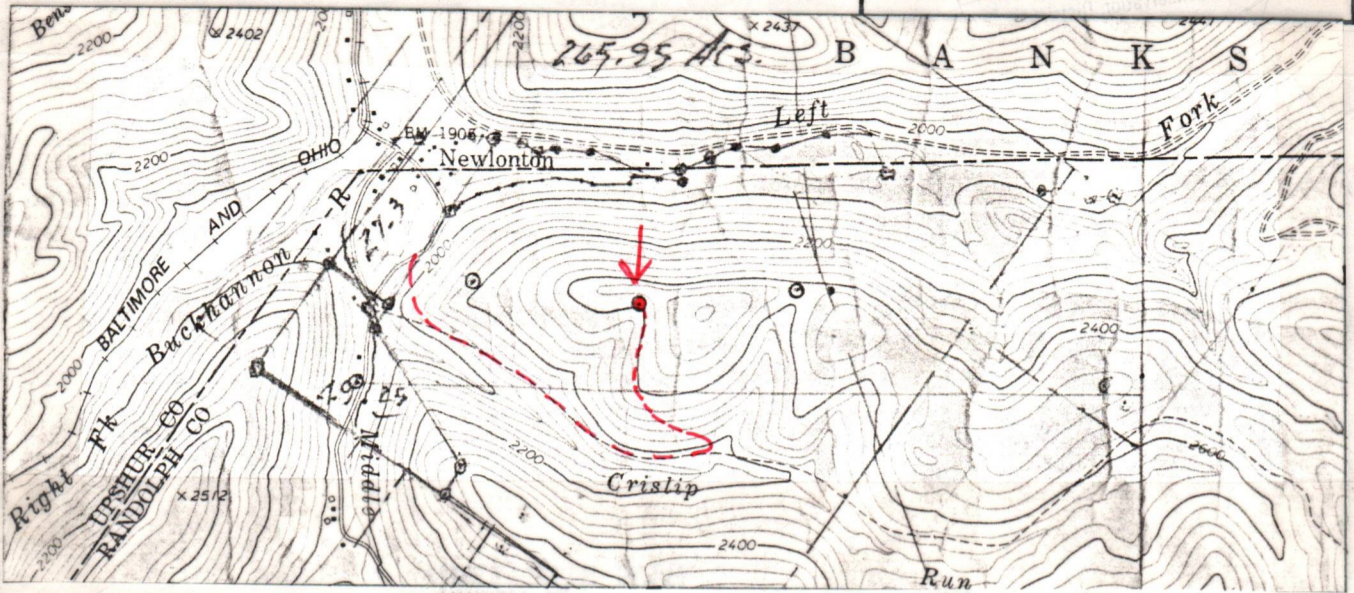
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPIY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Pickens 7.5

LEGEND

Well Site ⊕

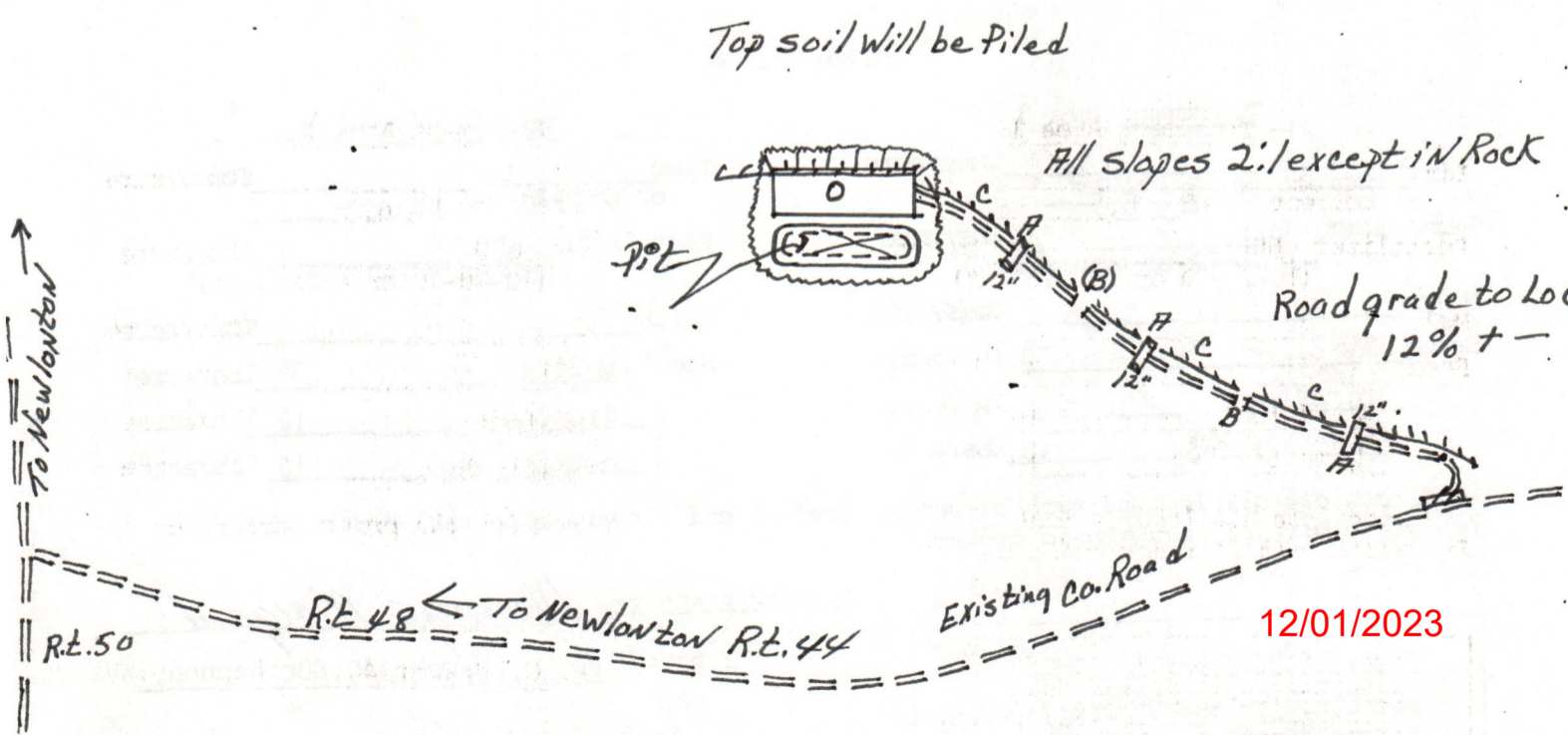
Access Road ———



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 ⊕= = = = |



1) Date: May 24, 19 84
2) Operator's Well No. 1992
3) API Well No. 47-083-0911
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 Ruthbell Lumber Company
Address Post Office Box 1277
Elkins, WV 26241
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Louisa Feola
Address 204 South Kanawha Street
Buckhannon, WV 26201
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
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

RECEIVED
MAY 25 1984
OIL & GAS DIVISION
DEPT. OF MINES

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 24 day of May, 1984.
My commission expires 8/20, 1991.
George B. Hillier
Notary Public, Upshur County,
State of West Virginia

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

12/01/2023

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

CONCERNING THE LINE ITEMS:

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

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

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

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

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

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

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

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

| <u>Grantor, lessor, etc.</u> | <u>Grantee, lessee, etc.</u> | <u>Royalty</u> | <u>Book Page</u> |
|------------------------------------|------------------------------|----------------|------------------|
| Louisa Feola | Atlantic Seaboard Corp. | 1/8 | 40/422 |
| Atlantic Seaboard Consolidated Gas | Hope Natural Gas | | unrecorded |
| | Union Drilling, Inc. | | unrecorded |

(Hope Natural Gas is a subsidiary of Consolidated Gas)

(see permit no. 47-083-0878 for more info)

12/01/2023



1) Date: May 24, 1984
 2) Operator's Well No. 1992
 3) API Well No. 47 State County Permit

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

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 2425 Watershed: Buckhannon River
 District: Middle Fork County: Randolph Quadrangle: Pickens
- 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name Union Drilling, Inc.
 Address Forest Festival Tobacco, Ant. 424 Address Post Office Drawer 40
Elkins, WV 26241 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper / Redrill / Stimulate XX /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 4200 feet
 13) Approximate strata depths: Fresh, ? feet; salt, ? feet.
 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes

RECEIVED
 MAY 31 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 | 11-5/8 | | 32 | X | | 30' | 30' | | Kinds |
| Fresh water | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 8-5/8 | | 23 | X | | 1000' | 1000' | to surface | |
| Production | 4-3/2 J | | 10 1/2 | X | | 4200' | 4200' | as required | Depths set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

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

Date: May 29, 1984
 By Julius S. Flola for
 Its Louisa Flola
 Coal Owner

12/01/2023
 Coal Owner

P 471 412 056

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED--
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982

| | |
|--|----|
| Sent to Louisa Feola | |
| Street and No. 204 South Kanawha Street | |
| P.O., State and ZIP Code Buckhannon, WV 26201 | |
| Postage | \$ |
| Certified Fee | |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to whom and Date Delivered | |
| Return Receipt Showing to whom, Date, and Address of Delivery | |
| TOTAL Postage and Fees | \$ |
| Postmark or Date | |

MAY 24 1984

 WV

1992 and 1981

P 471 412 057

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED--
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982

| | |
|--|----|
| Sent to Ruthbell Lumber Company | |
| Street and No. Post Office Box 1277 | |
| P.O., State and ZIP Code Elkins, WV 26241 | |
| Postage | \$ |
| Certified Fee | |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to whom and Date Delivered | |
| Return Receipt Showing to whom, Date, and Address of Delivery | |
| TOTAL Postage and Fees | \$ |
| Postmark or Date | |

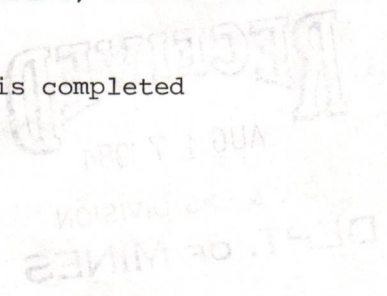
MAY 24 1984

 WV

1992

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

Not Fractured - Revised copy will follow when well is completed



WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|--------------|-------|--------------|----------|-------------|--|
| Sand & Shale | | | 0 | 52 | |
| Coal | | | 52 | 55 | |
| Sand & Shale | | | 55 | 144 | |
| Coal | | | 144 | 150 | |
| Sand & Shale | | | 150 | 271 | 1/4" stream water @206' |
| Coal | | | 271 | 276 | |
| Sand & Shale | | | 276 | 548 | 2" stream water @492' |
| Coal | | | 548 | 553 | |
| Sand & Shale | | | 553 | 557 | |
| Coal | | | 557 | 560 | |
| Sand & Shale | | | 560 | 567 | |
| Coal | | | 567 | 570 | |
| Sand & Shale | | | 570 | 661 | |
| Coal | | | 661 | 664 | |
| Sand & Shale | | | 664 | 718 | |
| Coal | | | 718 | 721 | |
| Sand & Shale | | | 721 | 1441 | |
| Blue Monday | | | 1441 | 1485 | |
| Big Lime | | | 1492 | 1584 | |
| Injun | | | 1585 | 1701 | |
| Squaw | | | 1704 | 1721 | |
| 4th Sand | | | 2093 | 2128 | |
| 5th Sand | | | 2141 | 2178 | |
| Bayard | | | 2200 | 2238 | |
| Lower Bayard | | | 2278 | 2312 | |
| Bradford | | | 2962 | 2970 | |
| Riley | | | 3312 | 3420 | |
| Benson | | | 3941 | 3954 | |
| | | | | 4153' | T.D. 6/10ths thru 1" = 25 mcf |

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By:

Joseph C. Pettey

12/01/2023

Date:

Joseph C. Pettey, Vice President of Production

8/15/84

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

IV-35
(Rev 8-81)

RECEIVED
AUG 23 1984



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

Date August 15, 1984
Operator's
Well No. 2 - 1992
Farm Louisa Feola #2
API No. 47 - 083 - 0911

CORRECTED - August 22, 1984

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 2425' Watershed Buckhannon River
District: Middle Fork County Randolph Quadrangle Pickens

COMPANY UNION DRILLING, INC.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER Ruthbell Lumber Company
ADDRESS P.O. Box 1277, Elkins, WV 26241
MINERAL RIGHTS OWNER Louisa Feola
ADDRESS 204 South Kanawha St., Buckhannon, WV 26201
OIL AND GAS INSPECTOR FOR THIS WORK
Phil Tracy ADDRESS Forest Fest. Apts, Elkins, WV
PERMIT ISSUED 6/18/84 26241
DRILLING COMMENCED 8/2/84
DRILLING COMPLETED 8/10/84

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cord. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 895.11 | 895.11 | 341 cf |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 4052.35' | 620 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 Benson Depth 4000' feet
Depth of completed well 4153 feet Rotary X / Cable Tools
Water strata depth: Fresh 206', 492feet; Salt none feet
Coal seam depths: 52/55, 144/150, 271/276 Is coal being mined in the area? no
548/553, 557/560, 567/570, 661/664, 718/721

OPEN FLOW DATA
Producing formation Lower Bayard, Benson Pay zone depth 3948' feet
Gas: Initial open flow 25 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 875 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure 700# psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth 12/01/2023 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

EMM. - 0911

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

Not Fractured - Revised copy will follow when well is completed

Nowsco - 2 stage Foam Frac - 8/16/84

2298/06 - Lower Bayard - 45,000# sand, 141 Bbls water and 277,000 scf nitrogen

3944/48 - Benson - 45,000# sand, 185 Bbls water and 275,000 scf nitrogen

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|--------------|-------|--------------|----------|-------------|--|
| Sand & Shale | | | 0 | 52 | |
| Coal | | | 52 | 55 | |
| Sand & Shale | | | 55 | 144 | |
| Coal | | | 144 | 150 | |
| Sand & Shale | | | 150 | 271 | 1/4" stream water @206' |
| Coal | | | 271 | 276 | |
| Sand & Shale | | | 276 | 548 | 2" stream water @492' |
| Coal | | | 548 | 553 | |
| Sand & Shale | | | 553 | 557 | |
| Coal | | | 557 | 560 | |
| Sand & Shale | | | 560 | 567 | |
| Coal | | | 567 | 570 | |
| Sand & Shale | | | 570 | 661 | |
| Coal | | | 661 | 664 | |
| Sand & Shale | | | 664 | 718 | |
| Coal | | | 718 | 721 | |
| Sand & Shale | | | 721 | 1441 | |
| Blue Monday | | | 1441 | 1485 | |
| Big Lime | | | 1492 | 1584 | |
| Injun | | | 1585 | 1701 | |
| Squaw | | | 1704 | 1721 | |
| 4th Sand | | | 2093 | 2128 | |
| 5th Sand | | | 2141 | 2178 | |
| Bayard | | | 2200 | 2238 | |
| Lower Bayard | | | 2278 | 2312 | |
| Bradford | | | 2962 | 2970 | |
| Riley | | | 3312 | 3420 | |
| Benson | | | 3941 | 3954 | |
| | | | | 4153' | T.D. 6/10ths thru 1" = 25 mcf |

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By:

Joseph C. Pettey

12/01/2023

Date:

Joseph C. Pettey, Vice President of Production

8/15/84

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."



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

RECEIVED
NOV 1 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
October 1, 1984

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

PERMIT NO 083-0911
FARM & WELL NO Ruthbell Lumber #2-1992
DIST. & COUNTY Middle Fork/Randolph

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

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

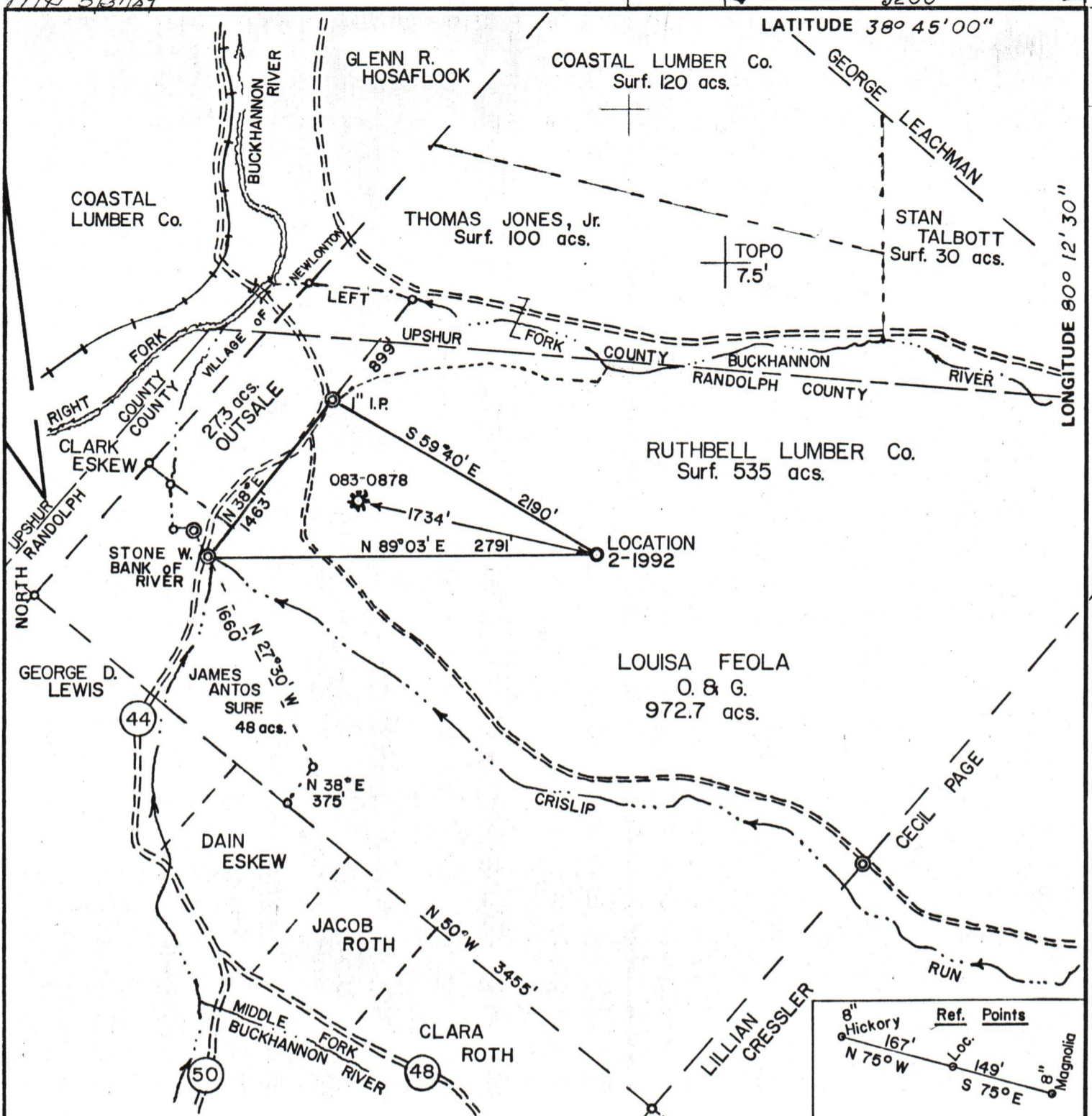
SIGNED Phillip Tracy
DATE 10-30-83

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

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

January 11, 1985
DATE

2774 5/31/84



FILE NO. U.D.I. - 3-56
 DRAWING NO. 84-14
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BRIDGE 3100' N.W. of LOCATION EL. 1905

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) Thomas F. Weaver, Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE APRIL 17, 1984
 OPERATOR'S WELL NO. 2-1992
 API WELL NO. 47-083-0911
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 2425 WATER SHED BUCKHANNON RIVER
 DISTRICT MIDDLE FORK COUNTY RANDOLPH
 QUADRANGLE PICKENS 7.5
 SURFACE OWNER RUTHBELL LUMBER Co. ACREAGE 535
 OIL & GAS ROYALTY OWNER LOUISA FEOLA LEASE ACREAGE 1000 12/01/2023
 LEASE NO. 72763
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 4200'
 WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT JOSEPH C. VANZANT, Jr.
 ADDRESS P. O. DRAWER 40 ADDRESS P. O. DRAWER 40
BUCKHANNON, W. V. 26201 BUCKHANNON, W. V. 26201

RAW 911