



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES,  
Charleston, W. Va.

COAL OPERATOR OR COAL OWNER

ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

United Fuel Gas Company  
OWNER OF MINERAL RIGHTS

Charleston, W. Va.  
ADDRESS

United Fuel Gas Company  
NAME OF WELL OPERATOR

Charleston, West Virginia  
COMPLETE ADDRESS

July 5, 19 61

PROPOSED LOCATION

Lincoln District

Wayne County

Well No. 8857 <sup>38°05'</sup> 82°20' E. 1135.57'

UNITED FUEL GAS CO. MIN. TR. #10 Farm

681.40 Acres

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated December 26, 1946, made by Huntington Development & Gas Co, to United Fuel Gas Company, and recorded on the 27th day of December, 1946, in the office of the County Clerk for said County in Book 234, page 318.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten\* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

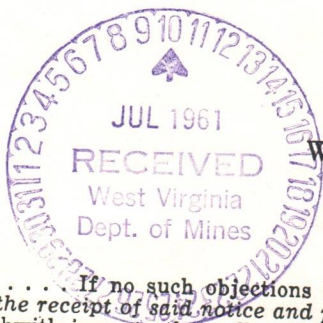
UNITED FUEL GAS COMPANY  
WELL OPERATOR

P. O. Box 1273  
STREET

Charleston 25  
CITY OR TOWN

West Virginia  
STATE

10/27/2023



Address of Well Operator }

\*Section 3 . . . . If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

WAY-1357 PERMIT NUMBER

1357

July 14, 1961

Mr. Kenneth E. Butcher, Inspector  
Oil and Gas Wells  
Route #1  
Barboursville, West Virginia

Dear Mr. Butcher:

We have given United Fuel Gas Company verbal permission to begin drilling Well No. 8857 (10) on their Mineral Lease, Lincoln District, Wayne County.

Formal Permit WAY-1357 will be issued July 20.

The United Fuel owns all the minerals including coal, if any.

Very truly yours,

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Assistant Director  
OIL AND GAS DIVISION

MG/s

cc: Mr. Bernard Moon

10/27/2023



July 20, 1961

United Fuel Gas Company  
P. O. Box 1273  
Charleston, West Virginia

Attn: Mr. Bernard Hoxm

Gentlemen:

Enclosed are permits for drilling the following wells -

| <u>Permit No.</u> | <u>Well No.</u> | <u>Firm</u>                   | <u>District</u> | <u>County</u> |
|-------------------|-----------------|-------------------------------|-----------------|---------------|
| CLA-612           | 8861            | Brown, Goshorn & Swann        | Henry           | Clay          |
| CLA-613           | 8907            | Brown, Goshorn & Swann        | Henry           | Clay          |
| MIN-712           | 9104            | Turkey Creek Oil & Gas Co./13 | Stafford        | Hingo         |
| MIN-713           | 9105            | Turkey Creek Oil & Gas Co./14 | Stafford        | Hingo         |
| WAY-1357          | 8857            | U.F. G. Co. Min. Tr. #10      | Lincoln         | Wayne         |

Very truly yours,

Assistant Director  
OIL AND GAS DIVISION

RD/a  
enclosures

cc Mr. Dana Lawson, Inspector  
Mr. Kenneth E. Dutcher, Inspector

Mr. R. C. Tucker, Assistant  
State Geologist

10/27/2023

November 29, 1961

United Fuel Gas Company  
P. O. Box 1273  
Charleston 25, West Virginia

Att: Mr. Bernard Moon

Dear Sir:

Please send us two copies of the completion drilling record for each of the following wells:

| <u>PERMIT NO.</u> | <u>WELL NO.</u> | <u>FARM</u>                     | <u>DISTRICT</u> |
|-------------------|-----------------|---------------------------------|-----------------|
| WYO-598           | 9069            | R. D. Bailey, et al #3          | Huff Creek      |
| WAY-1347          | 9086            | United Fuel Gas Co. Min. Tr. #1 | Grant           |
| WAY-1311          | 8974            | United Fuel Gas Co. Min. Tr. #1 | Grant           |
| WAY-1357          | 8857            | United Fuel Gas C. Min. Tr. #10 | Lincoln         |

We will appreciate the information within the next ten days.

Very truly yours,

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Assistant Director  
OIL AND GAS DIVISION

MG/d

cc: Mr. Paul Hinchman, Inspector

Mr. Kenneth E. Butcher, Inspector

10/27/2023



| Formation   | Color | Hard or Soft | Top 40 | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---|-------|--------------|--------|--------|-------------------|-------------|---------|
| Lime  |       |              | 1620   | 1640   |                   |             |         |
| Big Lime  |       |              | 1640   | 1824   |                   |             |         |
| Red Injun   |       |              | 1824   | 1891   |                   |             |         |
| Gray Injun  |       |              | 1891   | 1956   |                   |             |         |
| Slate   |       |              | 1956   | 2107   |                   |             |         |
| Slate & Shells  |       |              | 2107   | 2231   |                   |             |         |
| Hard Shell  |       |              | 2231   | 2291   |                   |             |         |
| Slate   |       |              | 2291   | 2419   |                   |             |         |
| Brown Shale   |       |              | 2419   | 2435   |                   |             |         |
| Berea Sand  |       |              | 2435   | 2505   |                   |             |         |
| Slate & Shells  |       |              | 2505   | 2530   |                   |             |         |
| White Slate   |       |              | 2530   | 2900   |                   |             |         |
| Dark Slate  |       |              | 2900   | 2965   |                   |             |         |
| White Slate   |       |              | 2965   | 3105   |                   |             |         |
| Brown Shale   |       |              | 3105   | 3397   |                   |             |         |
| Slate   |       |              | 3397   | 3402   |                   |             |         |
| Total Depth   |       |              | 3402'  |        |                   |             |         |
| Water 275' 3 bailers in one hour                            |       |              |        |        |                   |             |         |
| Hole full water 1325'                                       |       |              |        |        |                   |             |         |
| Gas 1735-1744' 20/10 W 1" 47 M blew down to 12/10 W 1" 37 M |       |              |        |        |                   |             |         |
| Gas 1756-1770' 22/10 W 1" 49 M blew down to 8/10 W 1" 30 M  |       |              |        |        |                   |             |         |
| Gas 3200' 10/10 W 1" 33 M                                   |       |              |        |        |                   |             |         |
| Acidized 9-14-61 with 3,000 gallons 15% acid                |       |              |        |        |                   |             |         |
| Test 18 hours after acidized 18/10 W 2" 179 M               |       |              |        |        |                   |             |         |
| Test before shot 18/10 W 2" 179 M                           |       |              |        |        |                   |             |         |
| Shot 9-18-61 with 9,400# DuPont Gelatin from 2504-3394'     |       |              |        |        |                   |             |         |
| Test 1 hour after shot 18/10 Merc. 2" 660 M                 |       |              |        |        |                   |             |         |
| FINAL OPEN FLOW - 244 M - Big Lime - 179 M - Shale - 65 M   |       |              |        |        |                   |             |         |
| 48 Hr. R.P. 410# Casing                                     |       |              |        |        |                   |             |         |
| 48 Hr. R.P. 290# Tubing                                     |       |              |        |        |                   |             |         |
| Shut in 9-22-61 in 2 3/8" tubing.                           |       |              |        |        |                   |             |         |
| LOGS RUN:   |       |              |        |        |                   |             |         |
| Gamma Ray   |       |              |        |        |                   |             |         |
| G. G. Density   |       |              |        |        |                   |             |         |
| Induction   |       |              |        |        |                   |             |         |
| Temperature   |       |              |        |        |                   |             |         |
| Permit NO. - Wayne 1357                                     |       |              |        |        |                   |             |         |

10/27/2023

Date November 28, 1961

APPROVED UNITED FUEL GAS COMPANY, Owner

By S.R. Fenelly  
(Title)

Supt., Civil Engr. Dept.





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 40

Quadrangle Wayne

Permit No. Way-1357

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company United Fuel Gas Company  
Address 1700, MacCorkle Ave., Charleston, W. Va.  
U.F.G. Co. Min. Tr. #10  
Farm \_\_\_\_\_ Acres 681.4  
Location (waters) Arkansas Branch  
Well No. 8857 Elev. 1135.57  
District Lincoln County Wayne  
The surface of tract is owned in fee by United Fuel Gas Co.  
1700 MacCorkle Ave. Address Charleston, W. Va.  
Mineral rights are owned by same  
Address \_\_\_\_\_  
Drilling commenced 7-18-61  
Drilling completed 9-14-61  
Date Shot 9-18-61 From 2504 To 3394  
With 9,400# DuPont Gelatin  
Open Flow 10ths Water in \_\_\_\_\_ Inch  
18 10ths Merc. in 2 Inch  
Volume ~~400,000~~ 244,000 Cu. Ft.  
410 csg. 48  
Rock Pressure 290 tub. lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED 9-14-61 with 3,000 gals.  
15% acid  
WELL FRACTURED \_\_\_\_\_

| Casing and Tubing | Used in Drilling | Left in Well | Packers                          |
|-------------------|------------------|--------------|----------------------------------|
| Size              |                  |              |                                  |
| 16                |                  |              | Kind of Packer _____             |
| 13                |                  |              | Hookwall                         |
| 10 <u>3/4</u>     | <u>13'</u>       |              | Size of <u>2 3/8" x 7" x 16"</u> |
| 8 <u>5/8</u>      | <u>483'</u>      |              | Depth set <u>2264'</u>           |
| 6 <u>5/8</u>      |                  |              |                                  |
| 5 <u>3/16</u>     |                  |              |                                  |
| 4 <u>7/8</u>      | <u>1672'</u>     |              | Perf. top _____                  |
| 2 <u>3/8</u>      | <u>3237'</u>     |              | Perf. bottom _____               |
| Liners Used       |                  |              | Perf. top _____                  |
|                   |                  |              | Perf. bottom _____               |

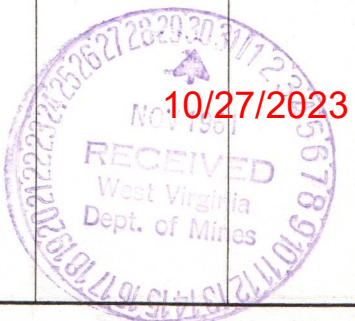
CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 197 FEET 36 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT \_\_\_\_\_

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water 275" Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth | Remarks |
|----------------|-------|--------------|------|--------|-------------------|-------|---------|
| Surface        |       |              | 0    | 13     |                   |       |         |
| Slate          |       |              | 13   | 45     |                   |       |         |
| Sand           |       |              | 45   | 70     |                   |       |         |
| Slate          |       |              | 70   | 98     |                   |       |         |
| Sand           |       |              | 98   | 197    |                   |       |         |
| Coal           |       |              | 197  | 200    |                   |       |         |
| Sand           |       |              | 200  | 245    |                   |       |         |
| Slate          |       |              | 245  | 260    |                   |       |         |
| Sand           |       |              | 260  | 395    |                   |       |         |
| Slate          |       |              | 395  | 431    |                   |       |         |
| Sand           |       |              | 431  | 465    |                   |       |         |
| Slate          |       |              | 465  | 508    |                   |       |         |
| Sand           |       |              | 508  | 545    |                   |       |         |
| Slate          |       |              | 545  | 640    |                   |       |         |
| Sand           |       |              | 640  | 750    |                   |       |         |
| Slate          |       |              | 750  | 840    |                   |       |         |
| Sand           |       |              | 840  | 920    |                   |       |         |
| Slate          |       |              | 920  | 945    |                   |       |         |
| Sand           |       |              | 945  | 992    |                   |       |         |
| Slate          |       |              | 992  | 1040   |                   |       |         |
| Sand           |       |              | 1040 | 1060   |                   |       |         |
| Slate          |       |              | 1060 | 1140   |                   |       |         |
| Salt Sand      |       |              | 1140 | 1180   |                   |       |         |
| Broken Sand    |       |              | 1180 | 1250   |                   |       |         |
| Sand           |       |              | 1250 | 1430   |                   |       |         |
| Lime           |       |              | 1430 | 1450   |                   |       |         |
| Slate & Shells |       |              | 1450 | 1500   |                   |       |         |
| Sand           |       |              | 1500 | 1520   |                   |       |         |
| Slate & Shells |       |              | 1520 | 1620   |                   |       |         |





**UNITED FUEL GAS COMPANY**  
COMPANY

WELL NO. 8857

LEASE NO. Ref. 24689

MAP SQUARE 22-35

|  |                                   |                      |                                |                            |  |
|--|-----------------------------------|----------------------|--------------------------------|----------------------------|--|
| RECORD OF WELL NO. <u>8857</u> on the<br><u>681.40</u> Acres                       | CAGING AND TUBING                 |                      |                                |                            | TEST BEFORE SHOT   |
| Co. Min. Tr. # <u>10</u> farm of<br><u>Lincoln</u> District<br><u>Wayne</u> County | SIZE<br><u>10-3/4"</u>            | WEIGHT<br><u>32#</u> | USED IN DRILLING<br><u>13'</u> | LEFT IN WELL<br><u>13'</u> | <u>18</u> /10 of Water in <u>2"</u> incl<br>/10 of Merc. in ..... incl<br>Volume <u>179 MCF</u> Cu. ft   |
| State of: <u>West Virginia</u>   | <u>7"</u>                         | <u>20#</u>           | <u>1685'</u>                   | <u>1685'</u>               | TEST AFTER SHOT<br>Time <u>18</u> /10 of Water in <u>2"</u> incl<br>Shale <u>W</u><br>Time <u>38</u> /10 of Merc. in <u>1"</u> incl<br>Volume <u>179 MCF</u> Cu. ft<br>Shale <u>65 MCF</u> Cu. ft                                      |
| Field: <u>Central Division</u>   | <u>2-3/8"</u>                     | <u>4#</u>            | <u>3255'</u>                   | <u>3255'</u>               | Time - <u>10 hrs.</u> after Acid<br>Shale-When Shut In After Sho<br>Rock Pressure <u>110#</u> 4.8 H<br>Date Acid. <u>9-11-61</u><br>Date Shot <u>9-18-61</u><br><u>3000 Gal. 15% HCl Acid</u><br>Size of Torpedo <u>9100# Dup. Gel</u> |
| Rig Commenced <u>July 5, 1961</u>  |                                   |                      |                                |                            |  |
| Rig Completed <u>July 10, 1961</u>   |                                   |                      |                                |                            |  |
| Drilling Commenced <u>July 18, 1961</u>  |                                   |                      |                                |                            |  |
| Drilling Completed <u>September 14, 1961</u>                                       |                                   |                      |                                |                            |  |
| Drilling to cost _____ per foot  |                                   |                      |                                |                            |  |
| Contractor is: <u>E. J. Elkins</u>   | SHUT IN                           |                      |                                |                            | Oil Flowed _____ bbls. 1st 24 hrs  |
| Address: <u>Hamlin, W. Va.</u>   | Date <u>9-22-61</u>               |                      |                                |                            | Oil Pumped _____ bbls. 1st 24 hrs  |
| Driller's Name <u>H. S. Vickers</u>  | <u>2-3/8"</u> in.                 | <u>Tubing</u>        | Tubing or Casing               |                            |  |
| <u>Olen Jones</u>  | Size of Packer <u>2-3/8" X 7"</u> |                      |                                |                            | Well abandoned and   |
| <u>Burnie Brock</u>  | Kind of Packer <u>Hookwall</u>    |                      |                                |                            | Plugged _____ 19   |
| Drilling Permit No. <u>WAY-1357</u>  | 1st. Perf. Set _____ from _____   |                      |                                |                            |  |
| Elevation: <u>1135.57'</u>   | 2nd Perf. Set _____ from _____    |                      |                                |                            |  |

**DRILLER'S RECORD**

| FORMATION | TOP | BOTTOM | THICKNESS | REMARKS              |
|-----------|-----|--------|-----------|----------------------|
| Surface   | 0   | 13     | 13        |                      |
| Slate     | 13  | 45     | 32        |                      |
| Sand      | 45  | 70     | 25        |                      |
| Slate     | 70  | 98     | 28        |                      |
| Sand      | 98  | 197    | 99        |                      |
| Coal      | 197 | 200    | 3         |                      |
| Sand      | 200 | 245    | 45        |                      |
| Slate     | 245 | 260    | 15        |                      |
| Sand      | 260 | 395    | 135       | Water @ 275' - 3 BPH |
| Slate     | 395 | 431    | 36        |                      |
| Sand      | 431 | 465    | 34        |                      |
| Slate     | 465 | 508    | 43        |                      |
| Sand      | 508 | 545    | 37        |                      |
| Slate     | 545 | 640    | 95        |                      |
| Sand      | 640 | 750    | 110       |                      |
| Slate     | 750 | 840    | 90        |                      |
| Sand      | 840 | 920    | 80        |                      |

**APPROVED**

\_\_\_\_\_  
DIVISION-SUPERINTENDENT

10/27/2023



SERIAL WELL NO. 8857

LEASE NO. Ref. 24689

MAP SQUARE 22-35

DRILLER'S RECORD

| FORMATION      | TOP   | BOTTOM | THICKNESS | REMARKS                           |
|----------------|-------|--------|-----------|-----------------------------------|
| Slate          | 920   | 945    | 25        |                                   |
| Sand           | 945   | 992    | 47        |                                   |
| Slate          | 992   | 1040   | 48        |                                   |
| Sand           | 1040  | 1060   | 20        |                                   |
| Slate          | 1060  | 1140   | 80        |                                   |
| Salt Sand      | 1140  | 1180   | 40        |                                   |
| Broken Sand    | 1180  | 1250   | 70        |                                   |
| Sand           | 1250  | 1430   | 180       | Water @ 1325' - Hole Full         |
| Lime           | 1430  | 1450   | 20        |                                   |
| Slate & Shells | 1450  | 1500   | 50        |                                   |
| Sand           | 1500  | 1520   | 20        |                                   |
| Slate & Shells | 1520  | 1620   | 100       |                                   |
| Lime           | 1620  | 1640   | 20        |                                   |
| Big Lime       | 1640  | 1824   | 184       | Gas @ 1735'-1744' - 20/10 W-1"    |
| Red Injun      | 1824  | 1891   | 67        | Blew down to 12/10 W-1" @ 1756'   |
| Gray Injun     | 1891  | 1956   | 65        | Gas @ 1756'-1770' - 22/10 W-1"    |
| Slate          | 1956  | 2107   | 151       |                                   |
| Slate & Shells | 2107  | 2231   | 124       |                                   |
| Hard Shell     | 2231  | 2291   | 60        |                                   |
| Slate          | 2291  | 2419   | 128       |                                   |
| Brown Shale    | 2419  | 2435   | 16        |                                   |
| Berea Sand     | 2435  | 2505   | 70        |                                   |
| Slate & Shells | 2505  | 2530   | 25        |                                   |
| White Slate    | 2530  | 2900   | 370       |                                   |
| Dark Slate     | 2900  | 2965   | 65        | Gas @ 3186' - 6/10 W-1"           |
| White Slate    | 2965  | 3105   | 140       | Gas @ 3200' - 10/10 W-1"          |
| Brown Shale    | 3105  | 3397   | 292       | When drilling completed 8/10 W-1" |
| Slate          | 3397  | 3402   | 5         |                                   |
| TOTAL DEPTH    | 3402' |        |           |                                   |

Devonian Shale - 2505' to 3402'  
 Total Shale - 897'

no sand logged  
 no electric log

Mary S. Friend  
 Geologist

10/27/2023



September 14, 19 61

Mr. W.W. Ferrell, Supt. Prod. & Storage

Well No. 8857 (Serial No. ) on UPG Co. Min. Tr. #10 Farm

Acid.  
Was ~~shot~~ this date with 3000 Gal. 15% HCL Acid quarts

Number of Shells \_\_\_\_\_

Length of Shells \_\_\_\_\_

Top of Shot \_\_\_\_\_

Bottom of Shot \_\_\_\_\_

Top of \_\_\_\_\_ Big Line Sand 1640 feet  
(Name of Sand)

Bottom of \_\_\_\_\_ Big Line Sand 1824 feet  
(Name of Sand)

Total Depth of Well 3402'

Results: 18 Hrs. after Acid. 18/10 W-2" - 179 MCF

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signed [Signature] District Supt.

NOTE-When a well is shot this form must be filled out and sent to the General Superintendent.

10/27/2023



September 18, 19 61

No. W.W. Ferrell, Supt. Prod. & Storage

Well No. 8857 (Serial No.) on UFG Co. Min. Tr. #10 Farm

Was shot this date with 9400# Dupont Gelatin quarts

Number of Shells \_\_\_\_\_

Length of Shells 5"X10"

Top of Shot 2504'

Bottom of Shot 3394'

Top of Slate & Shells Sand 2505 feet  
(Name of Sand)

Bottom of Brown Shale Sand 3397 feet  
(Name of Sand)

Total Depth of Well 3402'

Results: When Shut In - 38/10 W-1" - 65 MCF "Brown Shale"

Remarks: \_\_\_\_\_

Signed [Signature] District Supt.

NOTE: When a well is shot this form must be filled out and sent to the General Superintendent.

10/27/2023



**U.S. DEPARTMENT OF ENERGY**  
Federal Energy Regulatory Commission  
Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**  
(Sections 102, 103, 107 and 108)

**PLEASE READ BEFORE COMPLETING THIS FORM:**

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

| <u>Section of NGPA</u> | <u>Category Code</u> | <u>Description</u>                        |
|------------------------|----------------------|---|
| 102                    | 1                    | New OCS Lease                             |
| 102                    | 2                    | New onshore well (2.5 mile test)          |
| 102                    | 3                    | New onshore well (1,000 feet deeper test) |
| 102                    | 4                    | New onshore reservoir                     |
| 102                    | 5                    | New reservoir on old OCS Lease            |
| 103                    | -                    | New onshore production well               |
| 107                    | -                    | High cost natural gas                     |
| 108                    | -                    | Stripper well                             |

Other Purchasers/Contracts:

| <u>Contract Date</u><br>(Mo. Day Yr.) | <u>Purchaser</u> | <u>Buyer Code</u> |
|---------------------------------------|------------------|-------------------|
| _____                                 | _____            | _____             |
| _____                                 | _____            | _____             |
| _____                                 | _____            | _____             |

Remarks:







DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. 808857

API Well No. 47 - 099 - 01357  
State County Permit

WELL CLASSIFICATION FORM  
HIGH COST GAS WELL - DEVONIAN SHALE  
NGPA Section 107

DESIGNATED AGENT James L. Weekley  
ADDRESS P. O. Box 1273  
Charleston, WV 25325

LOCATION Elevation 1135.57'  
Watershed \_\_\_\_\_  
Dist. Lincoln County Wayne Quad. \_\_\_\_\_  
Gas Purchase Contract No. N.A.  
Meter Chart Code \_\_\_\_\_  
Date of Contract N.A.

WELL OPERATOR Columbia Gas Trans. Corp.  
ADDRESS P. O. Box 1273  
Charleston, WV 25325  
GAS PURCHASER N.A.  
ADDRESS \_\_\_\_\_

This is a pipeline production well and no gas purchase contract exists.

Date surface drilling began: 7-18-1961

Indicate the bottom hole pressure of the well and explain how this was calculated.

See Supplement

AFFIDAVIT

I, Albert H. Mathena, Jr., having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Albert H Mathena Jr

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, TO-WIT:

I, Larry G. Burdette, a Notary Public in and for the state and county aforesaid, do certify that Albert H. Mathena, Jr., whose name is signed to the writing above, bearing date the 9 day of June, 19 82, has acknowledged the same before me, in my county aforesaid. 10/27/2023

Given under my hand and official seal this 9 day of June, 19 82.  
My term of office expires on the 13 day of August, 19 89.

Larry G. Burdette  
Notary Public

(NOTARIAL SEAL)



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

Date 6-9, 19 82

Operator's Well No. 808857

API Well No. 47 - 099 - 01357  
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. \_\_\_\_\_  
(If Applicable)

WELL OPERATOR Columbia Gas Trans. Corp.  
ADDRESS P. O. Box 1273  
Charleston, WV 25325

DESIGNATED AGENT James L. Weekley  
ADDRESS P. O. Box 1273  
Charleston, WV 25325

Gas Purchase Contract No. NA\* and Date \_\_\_\_\_  
(Month, day and year)

Meter Chart Code \_\_\_\_\_

Name of First Purchaser NA\*

\_\_\_\_\_  
(Street or P. O. Box)  
\_\_\_\_\_  
(City) (State) (Zip Code)

FERC Seller Code NA\* FERC Buyer Code NA\*

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 107DV Section of NGPA \_\_\_\_\_ Category Code \_\_\_\_\_
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

\*This well is a pipeline production and no gas purchase contract exists.

Director,  
Albert H. Mathena, Jr. Production Engineering  
Name (Print) \_\_\_\_\_ Title \_\_\_\_\_  
Signature Albert H. Mathena, Jr.  
P. O. Box 1273  
Street or P. O. Box \_\_\_\_\_  
Charleston WV 25325  
City State (Zip Code)  
304) 346-0951  
Area Phone Number  
Code

(Certificate of Proof of Service to Purchaser)

A copy of this filing is being retained by Columbia Gas Transmission Corporation, owner and operator of the identified well.

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request,  for certification of the above described well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1978. (NGPA);  or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA);  or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. \_\_\_\_\_.

Initial review of information submitted indicates the well  is.  is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

JUN 15 1982

Date received by \_\_\_\_\_  
Jurisdictional Agency

By [Signature] Director  
Title \_\_\_\_\_ 10/27/2023





State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

WALTER N. MILLER  
DIRECTOR

THEODORE M. STREIT  
ADMINISTRATOR

BEFORE THE OFFICE OF OIL AND GAS  
OF THE DEPARTMENT OF MINES  
OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE APPLICATIONS )  
OF COLUMBIA GAS TRANSMISSION )  
CORPORATION REQUESTING CLASSI- )  
FICATION UNDER SECTION 107 OF THE )  
NATURAL GAS POLICY ACT OF CERTAIN )  
WELLS IN BOONE, CABELL, JACKSON, )  
KANAWHA, LINCOLN, LOGAN, MINGO )  
AND WAYNE COUNTIES, WEST VIRGINIA. )

CAUSE NO. 33

ORDER NO. 1

REPORT OF THE OFFICE

This cause came before the Administrator of the Office of Oil and Gas on June 28, 1982, at 1:00 p.m., in Conference Room C, Capitol Conference Center, Charleston, West Virginia, after giving notice of hearing as required by law on the applications of Columbia Gas Transmission Corporation for certification of certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, Logan, Mingo and Wayne Counties as Devonian Shale wells under Section 107(c)(4) of the Natural Gas Policy Act.

FINDINGS OF FACT

1. Applicant is an operator within the meaning of paragraph (w) of Chapter 22-4-1.
2. Applicant has made filings for certification pursuant to Rule 34.04.
3. The Natural Gas Policy Act (NGPA) in Section 107, Ceiling Price For High-Cost Natural Gas--(c) Definition of High-Cost Natural Gas-- "For purposes of this section, the term "high-cost natural gas" means natural gas determined in accordance with Section 503 to be....(4) produced from Devonian Shale."
4. The Federal Energy Regulatory Commission (FERC) by Rule 272.101-(c) prescribes the method by which the jurisdictional agency may determine gas produced from Devonian Shale.
5. Exhibits refer to evidence gathered at a public hearing held June 28, 1982.



6. Exhibits No. 2 and 3 lists the wells to be under consideration for Section 107 pricing. All these wells are located on Exhibits No. 4 and 5 and have been completed in the Devonian Shale.

7. Applicant, by letter dated June 25, 1982 (Exhibit No. 3) requested that eight (8) of the wells listed on Attachment A be stricken from the docket for hearing and they have been withdrawn.

8. Exhibit No. 6 shows random sampling of already qualified Devonian Shale wells.

9. Various cross-sections throughout the interval show gamma ray logs of the wells (see Exhibits Nos. 7, 8 and 9).

10. No well has any non-shale greater than 5% in the Devonian interval penetrated.

11. No gamma ray logs are available on these wells since they were all drilled before logging was common in West Virginia.

CONCLUSION OF LAW

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.

2. That pursuant to Chapter 22, Article 4, Code of West Virginia of 1931, as amended, the Office has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

ORDER

NOW, therefore, based on the aforementioned Findings of Fact and Conclusion of Law, it is found by the Administrator that Columbia Gas Transmission Corporation's applications for classification under Section 107 of the Natural Gas Policy Act for certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, Logan, Mingo and Wayne Counties, identified in Attachment A, are approved.

The Office of Oil and Gas further incorporates the Report of the Office and Findings of Fact and Conclusion of Law dated June 28, 1982, as if the same were fully set forth and includes hereto the Report of the Office and Findings of Fact and Conclusion of Law as a part of this Order.

Entered this 12th day of July, 1983.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS  
OF THE DEPARTMENT OF MINES  
OF THE STATE OF WEST VIRGINIA

By: 

10/27/2023  
Theodore M. Streit, Administrator



COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 808857

SUPPLEMENT:  
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METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

$$PBH = PWH + PWH ( E**0.0000347*G*L - 1.)$$

WHERE:

PBH = BOTTOM HOLE PRESSURE (PSIA)

PWH = WELLHEAD PRESSURE (PSIA) = 304.7

G = SPECIFIC GRAVITY OF GAS = 0.7170

L = DEPTH TO MIDDLE OF PERFORATIONS (FT.) = 2949

STEPS:

$$PBH = 304.7 + 304.7 (E**0.0000347*2114.433 - 1.)$$

$$PBH = 304.7 + 304.7 (E**0.073371 - 1.)$$

$$PBH = 304.7 + 304.7 ( 1.07613 - 1.)$$

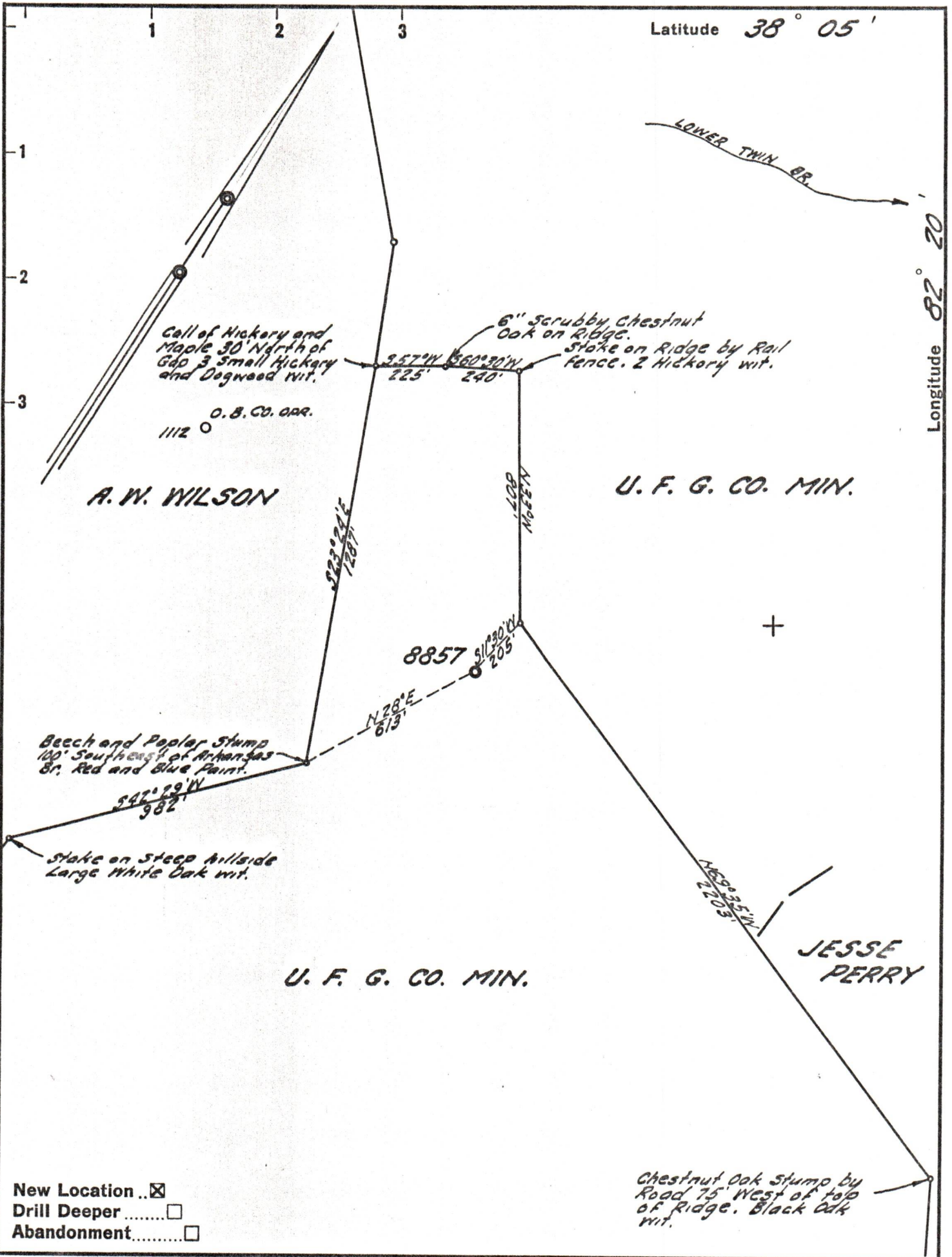
$$PBH = 304.7 + 304.7 ( 0.076)$$

$$PBH = 304.7 + 23.2$$

$$PBH = 327.9 \quad (PSIA)$$

10/27/2023





Company UNITED FUEL GAS CO.  
 Address CHARLESTON, W. VA.  
 Farm UNITED FUEL GAS CO. MIN.  
 Tract 10 Acres 681.40 REF. Lease No. 24689  
 Well (Farm) No. \_\_\_\_\_ Serial No. 8857  
 Elevation (Spirit Level) 1135.57'  
 Quadrangle WAYNE  
 County WAYNE District LINCOLN  
 Engineer J. Kent Russell  
 Engineer's Registration No. 2529  
 File No. 22-35 Drawing No. \_\_\_\_\_  
 Date 6-20-61 Scale 1" = 400'

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

**WELL LOCATION MAP**  
 FILE NO. WAY-1357 10/27/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.