



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	UNITED FUEL GAS CO.,
ADDRESS	NAME OF WELL OPERATOR % G. H. Moore P.O. Box 1273, Charleston 25, W. Va.
COAL OPERATOR OR COAL OWNER	COMPLETE ADDRESS
ADDRESS	July 19, 19 48
UNITED FUEL GAS CO., OWNER OF MINERAL RIGHTS	PROPOSED LOCATION
P.O. Box 1273, Charleston 25, W. Va.	Grant District
ADDRESS	Wayne County
	Well No. 6394 <sup>38° 05'</sup> <sub>82° 15'</sub>
	UNITED FUEL GAS CO., Mineral Tract No. 1 Farm

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~~ <sup>Deed</sup> dated December 26, 1946, made by HUNTINGTON DEV. & GAS CO., to UNITED FUEL GAS CO., 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 Same 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,



Address of Well Operator }

UNITED FUEL GAS CO.,	
WELL OPERATOR	
% G. H. Moore	
STREET	
P.O. Box 1273, Charleston	11/17/2023
CITY OR TOWN	
West Virginia	
STATE	

\*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.



July 31, 1948

United Fuel Gas Company  
c/o G. H. Moore  
Box 1273  
Charleston, West Virginia

Gentlemen:

Enclosed is permit WAY-697 to drill Well  
No. 6394 on the United Fuel Gas Company Mineral  
Tract No. 1, Grant District, Wayne County.

Very truly yours,

Administrative Assistant  
OIL AND GAS DIVISION

CRH:K  
Encl-2

CC: Inspector D. E. Lawson

11/17/2023



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			1415	1455			
Injun Sand			1455	1509			
Slate & Shells			1509	2025			
Brown Shale			2025	2050			
Berea Grit			2050	2084			
Slate & Shells			2084	2130			
Light Br. Shale			2130	2190			
Slate			2190	2550			
Light Br. Shale			2550	2700			
Slate			2700	2755	Shale Gas	2760'	11/10 W 2" 140M
Dark Br. Shale			2755	2772			
Slate			2772	2828			
Dark Br. Shale			2828	3073			
White Slate			3073	3088			
Total Depth			3088'				
							Light show oil in Berea Grit.
							Gas testing 8/10 W 2" 119 M before drilling Shale.
							Test before shot 8/10 W 2" 119 M Shot 11-26-48 with 3666-2/3# Gel. 2550-3088.
							Test 20 Hrs. after shot 11/10 W 2" 140 M
							<u>OPEN FLOW - 140 M - Big Lime-Shale</u>
							48 Hr. R.P. 400#
							Shut in 11-27-48 in 6-5/8" Casing.

Way  
597

11/17/2023

Date January 17, 1949

APPROVED United Fuel Gas Co. Owner

By *J. H. Moore*  
Chief Engineer (Title) R





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Wayne*

WELL RECORD

Permit No. WAY-597

Oil or Gas Well Gas  
(KIND)

Company United Fuel Gas Co.  
Address P. O. Box 1273, Charleston 25, W. Va.  
Farm U.F.G. Co. Min. Tr. #1 Acres 38,448.03  
Location (waters) Kiah Cr. of 12-Pole Cr.  
Well No. 6394 Elev. 675.11  
District Grant County Wayne  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by United Fuel Gas Co.  
P. O. Box 1273 Address Chas. 25, W. Va.

Drilling commenced 9-17-48  
Drilling completed 11-24-48  
Date Shot 11-26-48 From 2550 To 3088  
With 3666-2/3# Gel.  
Open Flow 11 /10ths Water in 2" Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 140 M - B. Lime & Shale Cu. Ft.  
Rock Pressure 400 lbs. 48 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			Kind of Packer
16			
13			
10	33	33	Size of
8 1/4	244	244	
6 5/8	1272	1272	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 205 FEET 72 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	15			
Sand			15	60			
Slate			60	75			
Sand			75	150			
Slate			150	155			
Sand			155	205			
Coal			205	211			
Slate			211	230			
Sand			230	250			
Slate			250	272			
Sand			272	290			
Slate			290	310			
Sand			310	323			
Slate			323	336			
Sand			336	352			
Slate			352	382			
Sand			382	402			
Slate			402	420			
Sand			420	445			
Slate			445	460			
Sand			460	520			
Slate			520	600			
Sand			600	620			
Slate			620	640			
Gas Sand			640	700			
Slate			700	718			
Salt Sand			718	870			
Slate			870	900			
Sand			900	960			
Slate			960	1010			
Sand			1010	1025			
Slate			1025	1056			
Sand			1056	1080			
Black Sand			1080	1095			
Sand			1095	1125			
Black Sand			1125	1140			
Maxon Sand			1140	1225	B.Lime Gas	1395'	6/10 W 1" 26 M
Big Lime			1225	1415	B.Lime Gas	1406'	48/10 W 2" 292M



11/17/2023



**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> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

11/17/2023



1.0 API well number. (If not assigned, leave blank 14 digits.)	<u>47-099-00597-</u>				
2.0 Type of determination being sought (Use the codes found on the front of this form.)	<u>107DU</u> Section of NGPA	_____ Category Code			
3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.)	<u>3088</u> feet				
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	Columbia Gas Transmission Corporation Name		<u>004030</u> Seller Code		
	P. O. Box 1273 Street				
	Charleston City	WV State	25325 Zip Code		
5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	<u>WU Field Area B</u> Field Name				
	<u>Wayne</u> County	<u>WV</u> State			
(b) For OCS wells	_____ Area Name		_____ Block Number		
	_____ Date of Lease		_____ OCS Lease Number		
	_____ Mo. Day Yr.				
(c) Name and identification number of this well (35 letters and digits maximum.)	<u>TCO Min. TR. No. 1 806394</u>				
(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)	<u>NA</u>				
6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)	* _____ Name		<u>004030</u> Buyer Code		
(b) Date of the contract:	_____ * Mo. Day Yr.				
(c) Estimated total annual production from the well	<u>21</u> Million Cubic Feet				
		(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____	_____
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>Rereg</u>	_____	_____	_____
9.0 Person responsible for this application:	<u>Albert H. Mathena, Jr., Director, Production Eng.</u> Name Title				
Agency Use Only Date Received by Juris. Agency <u>JUN 3 - 1982</u>	<u>Albert H. Mathena Jr.</u> Signature				
Date Received by FERC	<u>5-20-82</u> Date Application is Completed		<u>(304) 346-0951</u> Phone Number		

\*This is a pipeline production well. No contract exists and no sales are made.

11/17/2023



Date 5-20-82

Operator's Well No. 806374

API Well No.

47 - 099 - 00597  
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 675.11'  
Watershed \_\_\_\_\_

Dist. Stonewall 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: 9-17-1948

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 20 day of May, 1982, has acknowledged the same before me, in my county aforesaid.

11/17/2023

Given under my hand and official seal this 20 day of May, 1982  
My term of office expires on the 13 day of August, 1989.

Larry G Burdette  
Notary Public

(NOTARIAL SEAL)



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

Date 5-20, 19 82

Operator's Well No. 806394

API Well No. 47 - 099 - 00597  
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.) 107 DV 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,  
Production Engineering  
Albert H. Mathena, Jr. \_\_\_\_\_  
Name (Print) Title  
Albert H. Mathena, Jr.  
Signature  
P. O. Box 1273  
Street or P. O. Box  
Charleston WV 25325  
City State (Zip Code)  
304) 346-0951  
Area Code Phone Number

(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 3 - 1982

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

Director  
By [Signature]  
Title \_\_\_\_\_ 11/17/2023



COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 806394

SUPPLEMENT:  
-----

METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

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

WHERE:

PBH = BOTTOM HOLE PRESSURE (PSIA)

PMH = WELLHEAD PRESSURE (PSIA)

G = SPECIFIC GRAVITY OF GAS

L = DEPTH TO MIDDLE OF PERFORATIONS (FT.) = 2819

STEPS:

$$PBH = 414.7 + 414.7 ( E**0.0000347*2021.223 - 1. )$$

$$PBH = 414.7 + 414.7 ( E**0.070136 - 1. )$$

$$PBH = 414.7 + 414.7 ( 1.07265 - 1. )$$

$$PBH = 414.7 + 414.7 ( 0.073 )$$

$$PBH = 414.7 + 30.1$$

$$PBH = 444.8 \quad (PSIA)$$



CONFIDENTIAL - SECURITY INFORMATION

NOV 17 1954

MEMPHIS

REPLY TO DIRECTOR, FBI, WASHINGTON, D.C.

FROM: SAC, MEMPHIS (44-1987)

SUBJECT:

RE: JAMES EARL RAY (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)

RE: MURKIN (A)





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: 

Theodore M. Streit, Administrator 11/17/2023