



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.

None
COAL OPERATOR OR COAL OWNER

ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

United Fuel Gas Co.
OWNER OF MINERAL RIGHTS
P.O. Box 1273
Charleston 25, W. Va.
ADDRESS

United Fuel Gas Co.

NAME OF WELL OPERATOR
c/o G. H. Moore
P. O. Box 1273, Charleston 25, W. Va.

COMPLETE ADDRESS

January 19, 1949

PROPOSED LOCATION

Grant District

Wayne County

Well No. 6476 38° 05'
82° 15'

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~~ deed 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 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 Co.
WELL OPERATOR
c/o G. H. Moore
STREET
P. O. Box 1273, Charleston 25,
CITY OR TOWN
West Virginia
STATE

Address of Well Operator }



11/17/2023

*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.

653

January 31, 1949

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

Gentlemen:

Enclosed is permit WAY-653 to drill Well
No. 6476 on the United Fuel Gas Company Mineral
Tract No. 1, Grant District, Wayne County.

Very truly yours,

Administrative Assistant
OIL AND GAS DIVISION

CNH:K
Encl-2

CC: Inspector D. E. Larson

11/17/2023

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			2280	2383			
Brown Shale			2383	2405			
Berea Sand			2405	2453			
Slate & Shells			2453	2480	Test before shot 10/10 W 1" 33 M		
Brown Shale			2480	2543	Shot 5-22-50 with 3600# Gelatin from		
White Slate			2543	2905	2896-3420'.		
Brown Shale			2905	3115	Test 22 hours after shot 5/10 W 2" 94M		
White Shale			3115	3150			
Brown Shale			3150	3425			
Total Depth			3425'		FINAL OPEN FLOW- 94 M- Injun & Shale		
					20 Hr. R.P. 375#		
					Shut in 5-23-50 in 7" Casing.		

11/17/2023

Date August 8, 19 50

APPROVED United Fuel Gas Co., Owner

By G. D. Moore
Chief Engineer (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Wayne

WELL RECORD

Permit No. WAY-653

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 _____
Location (waters) Ridge Head of Grassy Branch
Well No. 6476 Elev. 1243.82'
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 3-3-50
Drilling completed 5-13-50
Date Shot 5-22-50 From 2896 To 3420
With 3600# Gelatin
Open Flow 5/10ths Water in 2" Inch
_____ /10ths Merc. in _____ Inch
Volume 94M- Injun & Shale Cu. Ft.
Rock Pressure 375 lbs. 20 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 280, 760, feet _____ feet
Salt water 1206, feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			
10	<u>14'-7"</u>	<u>14'-7"</u>	Size of _____
<u>8 5/8</u>	<u>567'</u>	<u>567'</u>	
<u>7"</u>	<u>1751'</u>	<u>1751'</u>	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 328 FEET 48 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	7			
Sand			7	60			
Slate			60	170			
Sand			170	260			
Slate			260	270	Water	280'	
Sand			270	328			
Coal			328	332			
Slate			332	380			
Sand			380	410			
Slate			410	415			
Sand			415	455			
Slate			455	487			
Sand			487	556			
Lime Shells			556	570			
Slate & Shells			570	735			
Sand			735	762	Water	760'	
Slate			762	808			
Sand			808	836			
Slate			836	865			
Sand			865	908			
Slate & Shells			908	1005			
Salt Sand			1005	1064			
Slate			1064	1072			
Sand			1072	1092			
Slate			1092	1101	Water	1206'	Hole full
Sand			1101	1444	Gas	1005'	
Slate			1444	1454	Gas	1330'	
Sand			1454	1462			
Slate			1462	1470			
Sand			1470	1606			
Little Lime			1606	1638			
Pencil Cave			1638	1641			
Big Lime			1641	1812			
Red Rock			1812	1830	Injun Gas	1841'	8/10 W 1" 30M
Injun Sand			1830	1870	Injun Gas	1854'	4/10 W 2" 84M
Slate & Shells			1870	2268			
Lime Shells			2268	2280			



11/17/2023

UNITED FUEL GAS COMPANY
COMPANY

SERIAL WELL NO. 6476

LEASE NO. 24689

MAP SQUARE 24-39

RECORD OF WELL NO. <u>6476</u> on the	CASING AND TUBING				TEST BEFORE SHOT
G Co., Min. Tr. # <u>38448.03</u> Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	10 /10 of Water in ... 1" ... inc
in <u>Grant</u> District	10"	32.75#	14'0"	14'0"	/10 of Merc. in ... inc
<u>Wayne</u> County	8-5/8"	24#	567'0"	567'0"	Volume ... 33.33 MCF Cu. f
State of: <u>West Virginia</u>	7"	20#	1769'8"	1769'8"	TEST AFTER SHOT
Field: <u>Branchland</u>					5 /10 of Water in ... 2" ... inc
Rig Commenced <u>By Contractor</u> 19					/10 of Merc. in ... inc
Rig Completed <u>By Contractor</u> 19					Volume ... 94 MCF Cu. f
Drilling Commenced <u>March 3,</u> 19 <u>50</u>					22 Hours After Sho
Drilling Completed <u>May 13,</u> 19 <u>50</u>					Rock Pressure <u>48 hrs.</u> <u>375</u>
Drilling to cost <u>\$2.75</u> per foot					Date Shot <u>5/22/50</u>
Contractor is: <u>Priddy & Meabon</u>					Size of Torpedo <u>3600#</u> Gal
Address: <u>Huntington, W. Va.</u>	SHUT IN				Oil Flowed ... bbls. 1st 24 hr
	Date <u>May 23, 1950</u>				Oil Pumped ... bbls. 1st 24 hr
Driller's Name <u>Frank Mixer</u>	<u>7"</u> in.		<u>Subjunct</u> Casing		Well abandoned and
<u>J. W. Priddy</u>			Size of Packer <u>7"X8 5/8"X10'</u>		Plugged ... 19
<u>W. A. Shepherd</u>			Kind of Packer <u>Bottom Hole</u>		
			1st. Perf. Set <u>None</u> from		
Elevation: <u>1243.82</u>			2nd Perf. Set ... from		

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	7	7	
Sand	7	60	53	
Slate	60	170	110	
Sand	170	260	90	
Slate	260	270	10	
Sand	270	328	58	Water at 280'
Coal	328	332	4	
Slate	332	380	48	
Sand	380	410	30	
Slate	410	415	5	
Sand	415	455	40	
Slate	455	487	32	
Sand	487	556	69	
Lime Shell	556	570	14	
Slate & Shells	570	735	165	
Sand	735	762	27	Water at 760'
Slate	762	808	46	

APPROVED
J. E. Gibson

11/17/2023

SERIAL WELL NO. 6476

LEASE NO. 24689

MAP SQUARE 24-39

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand	808	836	28	
Slate	836	865	29	
Sand	865	908	43	
Slate & Shells	908	1005	97	
Salt Sand	1005	1064	59	Show of Gas at 1005'
Slate	1064	1072	8	
Sand	1072	1092	20	
Slate	1092	1101	9	
Sand	1101	1114	343	Hole full water at 1206'
Slate	1114	1154	10	Show of gas at 1330'
Sand	1154	1162	8	
Slate	1162	1170	8	
Sand	1170	1606	136	
Little Lime	1606	1638	32	
Pencil Cave	1638	1641	3	
Big Lime	1641	1812	171	7" OD Casing Point 1751'
Red Rock	1812	1830	18	
Injun Sand	1830	1870	40	Gas 184 1' - 8/10 W-1"
Slate & Shells	1870	2268	398	Gas 1854' - 4/10 W-2" - blew down to 2/10 W-2"
Lime Shell	2268	2280	12	
Slate	2280	2383	103	
Brown Shale	2383	2405	22	
Berea Sand	2405	2453	48	
Slate & Shells	2453	2480	27	
Brown Shale	2480	2543	63	
White Slate	2543	2905	362	
Brown Shale	2905	3115	210	
White Slate	3115	3150	35	
Brown Shale	3150	3425	275	
Total Depth	3425			

RECEIVED
 NOV 17 1970
 DIVISION OF OIL & GAS
 DEPT. OF NATURAL RESOURCES

APPROVED
M. E. Gibson

Devonian Shale - 2453' to 3425'
 Total Shale - 972'

no sand logged
 no electric log
 Mary J. Friend
 Geologist.

11/17/2023

May 22,

19 50

Mr. J. R. Hussey, Divs. Supt.

Well No. 6476 (Serial No.) on U.F.G.Co.Min.Tr.#1 Farm

Was shot this date with 3600# Du Pont Gelatin quarts

Number of Shells 54 Shells

Length of Shells 4-1/4" X 10'6"

Top of Shot 2896'

Bottom of Shot 3420'

Top of White Slate Sand 2896' feet
(Name of Sand)

Bottom of Brown Shale Sand 3420' feet
(Name of Sand)

Total Depth of Well 3425'

Results: Test before shot- 10/10 W-1" (33.33 MCF)

Test after shot- 5/10 W-2" (94 MCF)

Remarks: (See Purchase Order No. 21174- 5/25/50)

RECEIVED
JUL 14 1950
DIVISION SUPT.

Signed W. E. Gibson

District Supt.

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

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

Remarks:

11/17/2023

1.0 API well number. (If not assigned, leave blank 14 digits.)	<u>47-099-00653-</u>			
2.0 Type of determination being sought (Use the codes found on the front of this form.)	<u>107 DV</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>3425</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 P. O. Box 1273 Street Charleston City			004030 Seller Code
5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	<u>WV Field Area B</u> Field Name <u>Wayne</u> County			<u>WV</u> State <u>25325</u> Zip Code
(b) For OCS wells	<u>NA</u> Area Name			Block Number Date of Lease _____ Mo Day Yr.
(c) Name and identification number of this well (35 letters and digits maximum.)	<u>TCO Min. Tr. No. 1</u>			<u>806476</u> OCS Lease Number
(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			004030 Buyer Code
(b) Date of the contract:	_____ Mo Day Yr. *			
(c) Estimated total annual production from the well	<u>7</u>			Million Cubic Feet
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	S/MMBTU	(a) Base Price ---	(b) Tax ---	(c) All Other Prices [Indicate (+) or (-).] ---
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>Deleg</u>	---	---
9.0 Person responsible for this application:	Albert H. Mathena, Jr., Director, Production Eng. Name Title <u>Albert H. Mathena Jr.</u> Signature <u>5-20-82</u> Date Application is Completed			
Agency Use Only Date Received by Juris. Agency <u>JUN 3 - 1982</u> Date Received by FERC	(304) 346-0951 Phone Number			

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

11/17/2023

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 1243.82'
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: 3-3-1950

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, 19 82, 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, 19 82.
My term of office expires on the 13 day of August, 19 89.

(NOTARIAL SEAL)

Larry G Burdette
Notary Public

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

Date 5-20, 19 82

Operator's Well No. 806476
API Well No. 47 - 099 - 00653
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
Name (Print) Albert H. Mathena, Jr.
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 3 - 1982

Date received by
Jurisdictional Agency

Director
By [Signature]
Title 11/17/2023

[Handwritten signature]

6891 6100

11/17/2023



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

WALTER N. MILLER
 DIRECTOR

TREDDORE 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)	CAUSE NO. 33
NATURAL GAS POLICY ACT OF CERTAIN)	
WELLS IN BOONE, CABELL, JACKSON,)	ORDER NO. 1
KANAWHA, LINCOLN, LOGAN, MINGO)	
AND WAYNE COUNTIES, WEST VIRGINIA.)	

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

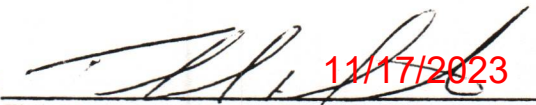
NOW, therefore, based on the aforementioned Findings of Fact and Conclusion of Law, it is found by the Administrator that Columbia Gas Transmission Corporation's applications for classification under Section 107 of the Natural Gas Policy Act for certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, 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:  11/17/2023
Theodore M. Streit, Administrator

COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 806476

SUPPLEMENT:

METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

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

WHERE:

$$PBH = \text{BOTTOM HOLE PRESSURE (PSIA)}$$

$$PWH = \text{WELLHEAD PRESSURE (PSIA)} = 389.7$$

$$G = \text{SPECIFIC GRAVITY OF GAS} = 0.7170$$

$$L = \text{DEPTH TO MIDDLE OF PERFORATIONS (FT.)} = 3158$$

STEPS:

$$PBH = 389.7 + 389.7 (E**0.0000347*2264.286 - 1.)$$

$$PBH = 389.7 + 389.7 (E**0.078571 - 1.)$$

$$PBH = 389.7 + 389.7 (1.08174 - 1.)$$

$$PBH = 389.7 + 389.7 (0.082)$$

$$PBH = 389.7 + 31.9$$

$$PBH = 421.6 \quad (\text{PSIA})$$