



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

March 8, 19 50
PROPOSED LOCATION

Grant District

Wayne County

Well No. 6565 ^{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 ^{Deed} ~~grant or lease~~ 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 11/10/2023
CITY OR TOWN

West Virginia
STATE



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.

March 20, 1950

United Fuel Gas Company
P. O. Box 1273
Charleston 25, W. Va.

Gentlemen:

Enclosed is permit WAY-715 for the drilling
of Well No. 6565 on the United Fuel Gas Company Mineral Tract #1,
Grant District, Wayne County.

Very truly yours,

Administrative Assistant
OIL AND GAS DIVISION

MG:g
encl

cc: O. C. Allen, Inspector
Oil and Gas Wells
R. C. Tucker, Assistant
State Geologist

11/10/2023

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime Shell			2257	2270			
Slate			2270	2586			
Berea Sand			2586	2618			
White Slate			2618	2643			
Shell			2643	2660			
Brown Shale			2660	2726			
White Slate			2726	3032			
Dark Shale			3032	3331			
Brown Shale			3331	3387			
White Slate			3387	3399			
Brown Shale			3399	3666	Gas	3560-3595'	Show
White Slate			3666	3677			
Total Depth			3677'	Depthometer			<p>Test before shot 2/10 W 1" 15 M Shot 12-20-50 with 4300# Gel. from 3032-3677'.</p> <p>Test 18 hours after shot 2/10 W 2" 60 M</p> <p><u>FINAL OPEN FLOW</u> - 60 M- Br. Shale 24 Hr. R.P. 260#</p> <p>Shut in 12-21-50 in 5/8" Casing.</p>

11/10/2023

Date January 19, 1951

APPROVED United Fuel Gas Co. Owner

By *[Signature]*
Chief Engineer (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Wayne

WELL RECORD

Permit No. WAY-715

Oil or Gas Well Gas
(KIND)

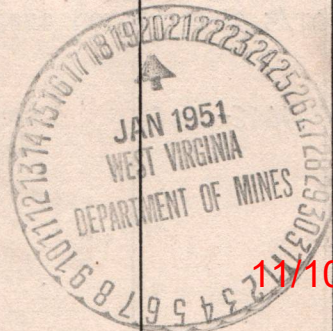
Company United Fuel Gas Co.
Address P. O. Box 1273, Charleston 25, W. Va.
Farm U.F.G. Co. Min. Tr. #1 Acres 38609.88
Location (waters) Little Laurel Cr. of 12-Pole Cr.
Well No. 6565 Elev. 1120.06'
District Grant County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
P. O. Box 1273, Address Chas. 25, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10 3/4"	31'	31'	Size of
8 5/8"	661'	661'	Depth set
6 7"	1666'	1666'	
5 3/16 5 1/2"	2058'	2058'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 9-5-50
Drilling completed 12-17-50
Date Shot 12-20-50 From 3032 To 3677
With 4300# Gel.
Open Flow 2/10ths Water in 2" Inch
/10ths Merc. in Inch
Volume 60 M - Br. Shale Cu. Ft.
Rock Pressure 260 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 320 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	31			
Slate			31	50			
Sand			50	118			
Slate			118	190			
Sand			190	264			
Slate			264	320			
Coal			320	324			
Sand			324	410			
Slate			410	425			
Sand			425	490			
Slate			490	514			
Sand			514	649			
Slate			649	822			
Sand			822	857			
Slate			857	900			
Sand			900	925			
Slate			925	988			
Sand			988	1035			
Slate			1035	1070			
Sand			1070	1120			
Slate			1120	1160			
Sand			1160	1172			
Slate			1172	1243			
Salt Sand			1243	1374			
Slate			1374	1400			
Salt Sand			1400	1470			
Slate			1470	1544			
Sand			1544	1666			
Slate			1666	1690			
Maxon Sand			1690	1757			
Little Lime			1757	1790			
Pencil Cave			1790	1800			
Big Lime			1800	1993			
Red Rock			1993	2018			
Injun Sand			2018	2040			
White Slate			2040	2056			
Lime Shell			2056	2065			
Slate			2065	2257			



11/10/2023

UNITED FUEL GAS COMPANY
COMPANY

SERIAL WELL NO. 6565

LEASE NO. No Ref.

MAP SQUARE 26-37

RECORD OF WELL NO. <u>6565</u> on the	CASING AND TUBING				TEST BEFORE SHOT
U.F.G.Co.Min.Tr.#1 farm of <u>38,609.88</u> Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	0 /10 of Water in... <u>1</u>
in <u>Grant</u> District	<u>10-3/4"</u>	<u>32.75#</u>	<u>31'3"</u>	<u>31'3"</u>	/10 of Merc. in.....
<u>Wayne</u> County	<u>8-5/8"</u>	<u>24#</u>	<u>661'9"</u>	<u>661'9"</u>	Volume.....
State of: <u>West Virginia</u>	<u>7"</u>	<u>20#</u>	<u>1678'10"</u>	<u>1678'10"</u>	TEST AFTER SHOT
Field: <u>Branchland</u>	<u>5-1/2"</u>	<u>14#</u>	<u>2073'0"</u>	<u>2073'0"</u>	2 /10 of Water in... <u>2</u>
Rig Commenced <u>By Contractor</u> 19					/10 of Merc. in.....
Rig Completed <u>By Contractor</u> 19					Volume... <u>60 MCF</u>
Drilling Commenced <u>September 5,</u> 19 <u>50</u>					<u>24 hrs.</u> Hours After
Drilling Completed <u>December 17,</u> 19 <u>50</u>					Rock Pressure <u>260#</u>
Drilling to cost <u>\$2.75 & 2.90</u> per foot					Date Shot <u>12-20-50</u>
Contractor is: <u>W. E. Burchett</u>					Size of Torpedo <u>4200#</u>
Address: <u>Box 523, Charleston, W. Va.</u>	SHUT IN				Oil Flowed..... bbls. 1st 24
	Date <u>12-21-50</u>				Oil Pumped..... bbls. 1st 24
Driller's Name <u>Clark Starkey</u>	<u>5-1/2</u> in.	3000000 Casing			
<u>Wilbur Miller</u>	Size of Packer <u>5-3/16" X 6-5/8"</u>				Well abandoned and
	Kind of Packer <u>Bottom Hole</u>				Plugged..... 19
	1st. Perf. Set... <u>NONE</u> from.....				
Elevation: <u>1120.06</u>	2nd Perf. Set..... from.....				

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	31	31	
Slate	31	50	19	10" Casing 31'3"
Sand	50	118	68	
Slate	118	190	72	
Sand	190	264	74	
Slate	264	320	56	
Coal	320	324	4	
Sand	324	410	86	
Slate	410	425	15	
Sand	425	490	65	
Slate	490	514	24	
Sand	514	649	135	
Slate	649	822	173	8-5/8" Casing 661'9"
Sand	822	857	35	
Slate	857	900	43	
Sand	900	925	25	
Slate	925	988	63	

11/10/2023

December 20, 19 50

Mr. J. R. Hussey, Div. Supt.

Well No. 6565 (Serial No.) on U.F.G. Co. Min. Tr. #1 Farm

Was shot this date with 4200# Gelatin quarts

Number of Shells 63 Shells

Length of Shells 4-1/4" X 10-1/2"

Top of Shot 3032'

Bottom of Shot 3677'

Top of Dark Shale Sand 3032' feet
(Name of Sand)

Bottom of Brown Shale Sand 3677' feet
(Name of Sand)

Total Depth of Well 3677'

Results: before shot- 0
after shot 2/10 W-2" (60 MCF)

Remarks: See Purchase Order No. 33651-
Dated 12/26/50 for Shot.

Signed *J. R. Hussey* DIVISION DISTRICT Supt.

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

11/10/2023

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:

RECEIVED

JUN 10 1982

OIL & GAS DIVISION
DEPT. OF MINES

1.0 API well number: (If not assigned, leave blank 14 digits.)	<u>47-099-00715-</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	<u>-</u> Category Code																		
3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.)	<u>3677</u> feet																			
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	<u>Columbia Gas Transmission Corporation</u> Name <u>P. O. Box 1273</u> Street <u>Charleston</u> City		<u>WV</u> State	<u>25325</u> Zip Code <u>004030</u> Seller 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																			
(b) For OCS wells	<u>NA</u> Area Name	<u>NA</u> Block Number																		
(c) Name and identification number of this well (35 letters and digits maximum.)	<u>TCO Min. Tr. No. 1</u>		<u>806565</u> Date of Lease Mo. Day Yr. 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.)	<u>*</u> Name		<u>004030</u> Buyer Code																	
(b) Date of the contract:	<u>*</u> Mo. Day Yr.																			
(c) Estimated total annual production from the well	<u>9</u> Million Cubic Feet																			
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	S/MMBTU	(a) Base Price <u>---</u>	(b) Tax <u>---</u>	(c) All Other Prices (Indicate (+) or (-).) <u>---</u>																
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>Deseg</u>	<u>---</u>	<u>---</u>																
9.0 Person responsible for this application:	<table border="1"> <tr> <td>Agency Use Only</td> <td colspan="3">Albert H. Mathena, Jr., Director, Production Eng.</td> </tr> <tr> <td>Date Received by Juris. Agency <u>JUN 10 1982</u></td> <td>Name <u>Albert H. Mathena</u></td> <td colspan="2">Title</td> </tr> <tr> <td>Date Received by FERC</td> <td>Signature <u>5-27-82</u></td> <td colspan="2">Phone Number <u>(304) 346-0951</u></td> </tr> <tr> <td></td> <td>Date Application is Completed</td> <td colspan="2"></td> </tr> </table>				Agency Use Only	Albert H. Mathena, Jr., Director, Production Eng.			Date Received by Juris. Agency <u>JUN 10 1982</u>	Name <u>Albert H. Mathena</u>	Title		Date Received by FERC	Signature <u>5-27-82</u>	Phone Number <u>(304) 346-0951</u>			Date Application is Completed		
Agency Use Only	Albert H. Mathena, Jr., Director, Production Eng.																			
Date Received by Juris. Agency <u>JUN 10 1982</u>	Name <u>Albert H. Mathena</u>	Title																		
Date Received by FERC	Signature <u>5-27-82</u>	Phone Number <u>(304) 346-0951</u>																		
	Date Application is Completed																			

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

11/10/2023

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. 806565

API Well No.

47 - 099 - 00715
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 1120.06'
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: 9-5-1950

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:

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

Given under my hand and official seal this 27 day of May, 1982.
My term of office expires on the 13 day of August, 1989.

11/10/2023

NOTARIAL SEAL)

Larry G Burdette
Notary Public

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

Date 5-27, 1982

Operator's Well No. 806565

API Well No. 47 - 099 - 00715
State County Permit

Previous File No. _____
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Columbia Gas Trans. Corp.

DESIGNATED AGENT James L. Weekley

ADDRESS P. O. Box 1273

ADDRESS P. O. Box 1273

Charleston, WV 25325

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.) Section of NGPA 107 DV Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Albert H. Mathena, Jr. Director,
Name (Print) Production Engineering
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 Phone Number
Code

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

(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 10 1982

Date received by
Jurisdictional Agency

By Albert H. Mathena, Jr.
Title _____
11/10/2023



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.

11/10/2023

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:  11/10/2023
Theodore M. Streit, Administrator

COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 806565

SUPPLEMENT:

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) = 274.7
- G = SPECIFIC GRAVITY OF GAS = 0.7170
- L = DEPTH TO MIDDLE OF PERFORATIONS (FT.) = 3354

STEPS:

- PBH = 274.7 + 274.7 (E**0.0000347*2404.818 -1.)
- PBH = 274.7 + 274.7 (E**0.083447 -1.)
- PBH = 274.7 + 274.7 (1.08703 -1.)
- PBH = 274.7 + 274.7 (0.087)
- PBH = 274.7 + 23.9
- PBH = 298.6 (PSIA)

11/10/2023

11/10/2023