



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, West Virginia
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 20, 19 49
PROPOSED LOCATION

Grant District
Wayne County
Well No. 6473 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 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.

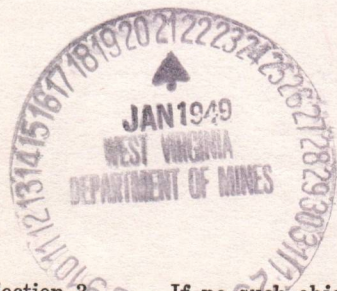
(The next paragraph is to be completed only in Department's copy.)

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 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.

650

January 31, 1949

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

Gentlemen:

⁶⁴⁷³ Enclosed is permit WAX-650 to drill Well
No. ~~6437~~ 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. Lawson

11/17/2023

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Br. Shale			2625	2695	Shale Gas	2673'	5/10 W 2" 94 M
Slate			2695	2718	Test before shot	4/10 W 2" 84 M	
Br. Shale			2718	2912	Shot 3-17-49 with 6400#		Gel. 1964-2911
Slate			2912	2921	Final Test after shot	18/10 W 2" 179 M	
Total Depth			2921'				
					OPEN FLOW -	233 M - Injun	48 Hr.R.P.425
						179 M - Shale	48 Hr.R.P.275
					Shut in 3-22-49 in 3" Tubing.		

11/17/2023

Date May 10, 19 49

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-650

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) East Fork of 12 Pole Creek
Well No. 6473 Elev. 775.34
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 12-30-48
Drilling completed 3-13-49
Date Shot 2-3-49 From 1352 To 1390
3-17-49 From 1964 To 2911
With (24 Hr. Time Bomb) with 500# Det., 6400# Gel.
Open Flow 28 & 18 /10ths Water in 2" Inch
_____ /10ths Merc. in _____ Inch
Volume 223 M - Injun, 179 M - Shale Cu. Ft.
Rock Pressure 425, 275 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 65 feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			Hookwall
10	15'	15'	Size of _____
8 1/4	233'	233'	3" X 5-3/16" X 16
6 5/8	1267'	1267'	Depth set <u>1790</u>
5 3/16	1436	Pulled	
3 Tubing		2910'	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

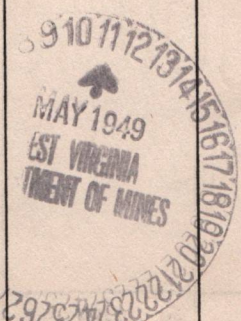
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 177 FEET 36 INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	15			
Sand			15	36			
Slate			36	40	Water	65'	Hole full
Sand			40	70			
Slate			70	163			
Sand			163	177			
Coal			177	180			
Slate			180	207			
Sand			207	247			
Slate			247	440			
Lime			440	450			
Sand			450	527			
Slate			527	530			
Sand			530	670			
Slate			670	673			
Lime			673	695			
Salt Sand			695	945			
Slate			945	950			
Sand			950	957			
Slate			957	1015			
Sand			1015	1110			
Little Lime			1110	1128			
Slate			1128	1131			
Lime			1131	1143			
Slate			1143	1145			
Big Lime			1145	1324			
Red Rock			1324	1352	Injun Gas	1359-1369	17/10 W 2" 174M
Injun Sand			1352	1390			
Black Lime			1390	1435	Test before shot 4/10 W 2" 84 M		
Sl. & Shs.			1435	1784	Shot 2-3-49 (24 Hr. Time Bomb) with		
Lime Shell			1784	1793	500# Det. 1352-1390.		
Slate			1793	1905	Test after shot 28/10 W 2" 223 M		
Br. Shale			1905	1923			
Berea Sand			1923	1936			
Slate			1936	1941			
Sand			1941	1956			
Lime			1956	1970			
Sl. & Shs.			1970	2625			



UNITED FUEL GAS COMPANY
COMPANY

SERIAL WELL NO. 6473

LEASE NO. 21686

MAP SQUARE 24-39

RECORD OF WELL NO. <u>6473</u> on the U.F.G.Co.Min. Tr. #1 farm of <u>38448.03</u> Acres in <u>Grant</u> District <u>Wayne</u> County State of: <u>West Virginia</u> Field: <u>Branchland</u> Rig Commenced <u>December 20, 1948</u> Rig Completed <u>December 30, 1948</u> Drilling Commenced <u>December 30 1948</u> Drilling Completed <u>March 13, 1949</u> Drilling to cost <u>\$2.75</u> <u>\$2.90</u> per foot Contractor is: <u>White & Samples</u> Address: <u>Dunbar, W. Va</u> Driller's Name <u>T. M. White</u> <u>Scott Rost</u> Elevation: <u>775.34</u>	CASING AND TUBING <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SIZE</th> <th>WEIGHT</th> <th>USED IN DRILLING</th> <th>LEFT IN WELL</th> </tr> <tr> <td><u>10"</u></td> <td><u>32.75#</u></td> <td><u>15-3</u></td> <td><u>15-3</u></td> </tr> <tr> <td><u>8-1/4"</u></td> <td><u>24#</u></td> <td><u>233-3</u></td> <td><u>233-3</u></td> </tr> <tr> <td><u>6-5/8"</u></td> <td><u>20#</u></td> <td><u>1274-5</u></td> <td><u>1274-5</u></td> </tr> <tr> <td><u>5-3/16"</u></td> <td><u>14#</u></td> <td><u>1436-4</u></td> <td><u>None</u></td> </tr> <tr> <td><u>3"</u></td> <td><u>9.20#</u></td> <td><u>2910-0</u></td> <td><u>2910-0</u></td> </tr> </table>	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	<u>10"</u>	<u>32.75#</u>	<u>15-3</u>	<u>15-3</u>	<u>8-1/4"</u>	<u>24#</u>	<u>233-3</u>	<u>233-3</u>	<u>6-5/8"</u>	<u>20#</u>	<u>1274-5</u>	<u>1274-5</u>	<u>5-3/16"</u>	<u>14#</u>	<u>1436-4</u>	<u>None</u>	<u>3"</u>	<u>9.20#</u>	<u>2910-0</u>	<u>2910-0</u>	TEST BEFORE SHOT 1st Shot - <u>4/10 W-2W</u> <u>4/10</u> of Water in <u>2</u> in /10 of Merc. in <u>2</u> in Volume <u>1st - 84 MCF</u> <u>2nd - 84 MCF</u> Cu. TEST AFTER SHOT 1st - <u>28/10 W-2W</u> <u>18/10</u> of Water in <u>2</u> in /10 of Merc. in <u>2</u> in Volume <u>1st - 223 MCF</u> <u>2nd - 179 MCF</u> Cu. <u>72</u> Hours After Shot Rock Pressure <u>1st - 425</u> <u>Shal - 275</u> Date Shot <u>1st - 2/2/49</u> <u>2nd - 3/17/49</u> Size of Torpedo <u>1st - 500#</u> <u>2nd - 600#</u> Oil Flowed <u>2</u> bbls. 1st 24 hr Oil Pumped <u>2</u> bbls. 1st 24 hr Well abandoned and Plugged <u>194</u> SHUT IN Date <u>March 22, 1949</u> <u>3"</u> in. Tubing or Size of Packer <u>3" X 5-3/16" X 16"</u> Kind of Packer <u>Hookwall</u> 1st. Perf. Set <u>2894</u> from <u>2910</u> 2nd Perf. Set <u>1958</u> from <u>1965</u>
SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL																							
<u>10"</u>	<u>32.75#</u>	<u>15-3</u>	<u>15-3</u>																							
<u>8-1/4"</u>	<u>24#</u>	<u>233-3</u>	<u>233-3</u>																							
<u>6-5/8"</u>	<u>20#</u>	<u>1274-5</u>	<u>1274-5</u>																							
<u>5-3/16"</u>	<u>14#</u>	<u>1436-4</u>	<u>None</u>																							
<u>3"</u>	<u>9.20#</u>	<u>2910-0</u>	<u>2910-0</u>																							

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil	0	15	15	
Sand	15	36	21	
Slate	36	40	4	
Sand	40	70	30	Hole full water at 65'
Slate	70	163	93	
Sand	163	177	14	
Coal	177	180	3	
Slate	180	207	27	
Sand	207	247	40	
Slate	247	440	193	
Line	440	450	10	
Sand	450	527	77	
Slate	527	530	3	
Sand	530	670	140	
Slate	670	673	3	
Line	673	695	22	
Salt Sand	695	945	250	

RECEIVED
APR 22 1949

APPROVED
[Signature]

11/17/2023

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	945	950	5	
Sand	950	957	7	
Slate	957	1015	58	
Sand	1015	1110	95	
Little Lime	1110	1128	18	
Slate	1128	1131	3	
Lime	1131	1143	12	
Slate	1143	1145	2	
Big Lime	1145	1324	179	
Red Rock	1324	1352	28	
Injun Sand	1352	1390	38	Gas at 1359' to 1369' - 17/10 W-2"
Black Lime	1390	1435	45	Gas at 1380' - 16/10 W-2"
Slate & Shells	1435	1784	349	Gas at 1391' - 15/10 W-2"
Lime Shell	1784	1793	9	Gas at 1417' - 13/10 W-2"
Slate	1793	1905	112	
Brown Shale	1905	1923	18	
Berea Sand	1923	1936	13	
Slate	1936	1941	5	
Sand	1941	1956	15	
Lime	1956	1970	14	
Slate & Shells	1970	2625	655	
Brown Shale	2625	2695	70	Gas at 2673' - 5/10 W-2"
Slate	2695	2718	23	Gas at 2726' - 4/10 W-2"
Brown Shale	2718	2912	194	Gas at 2763' - 4/10 W-2"
Slate	2912	2921	9	Gas at 2777' - do.
				Gas at 2800' - do.
Total Depth	2921			Gas at 2819' - 14/10 do.
				Gas at 2854' - do.
				Gas at 2874' - do.
				Gas at 2891' - do.
				Gas at 2912' - do.

APPROVED
M. S. Friend

Devonian Shale - 1936' to 2921'
 Total Shale - 985'

15' of sand logged
 1.5% of total section,
 no electric log
 Mary S. Friend
 Geologist

11/17/2023

February 2, 19 49

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

Well No. 6473 (Serial No.) on U.F.C.Co.Min.Tr.#1 Farm

Was shot this date with 500# Detonite quarts

Number of Shells 10 Shells

Length of Shells 5"x65"

Top of Shot 1352'

Bottom of Shot 1390'

Top of Injun (Name of Sand) Sand 1352 feet

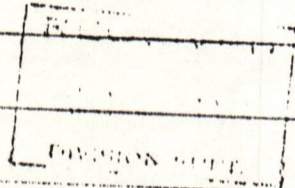
Bottom of Injun (Name of Sand) Sand 1390 feet

Total Depth of Well 2921'

Results: before shot 4/10 W-2" (84 MCF)

After shot 28/10 W-2" (223 MCF)

Remarks:



Signed [Signature]

District Supt.

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

March 22, 1949

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

Well No. 6473 (Serial No.) on U.F.G.Co. Min. Tr. #1 Farm

Was shot this date with 6400# Gelatin quarts

Number of Shells 96 shells

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

Top of Shot 1964'

Bottom of Shot 2911'

Top of Slate Sand 1964 feet
(Name of Sand)

Bottom of Brown Shale Sand 2911' feet
(Name of Sand)

Total Depth of Well 2921'

Results: before shot - 4/10 W-2" (84 MCF)

after shot - 18/10 W-2" (179 MCF)

Remarks:

RECEIVED
MARCH 22 1949
DIVISION SUPT.

Signed [Signature] District Supt.

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

Crooked Copy

**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>47-099-00650-</u>				
2.0 Type of determination being sought (Use the codes found on the front of this form.)	<u>107 DU</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>2921</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>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 _____ Mo Day Yr.					
(c) Name and identification number of this well (35 letters and digits maximum.)	<u>TCO Min. Tr. No. 1</u>		<u>806473</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			* _____ Buyer Code	
(b) Date of the contract	_____ 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 _____	(b) Tax _____	(c) All Other Prices (Indicate (+) or (-).) _____	(d) Total of (a), (b) and (c) _____
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>Dereg</u>	_____	_____	_____
9.0 Person responsible for this application:	Albert H. Mathena, Jr., Director, Production Eng.				
Agency Use Only Date Received by Juris. Agency <u>JUN 3 - 1982</u> Date Received by FERC	_____ Name		_____ Title		
		<u>Albert H. Mathena Jr.</u> Signature			
		<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

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. 806473

API Well No.

47 - 099 - 00650
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 775.34'

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: 12-30-1948

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, 1982

Operator's Well No. 806473
API Well No. 47 - 099 - 00650
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.) 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.

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

Albert H. Mathena, Jr. Director, Production Engineering
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

By [Signature]
Title _____
11/17/2023

[Handwritten signature]

CRP - 2 MUC

11/17/2023



State of West Virginia
 Department of Mines
 Oil and Gas Section
 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

COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 806473

SUPPLEMENT:

METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

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

WHERE:

$$\begin{aligned} PBH &= \text{BOTTOM HOLE PRESSURE (PSIA)} && = 289.7 \\ PWH &= \text{WELLHEAD PRESSURE (PSIA)} && = 0.7170 \\ G &= \text{SPECIFIC GRAVITY OF GAS} && = 2438 \\ L &= \text{DEPTH TO MIDDLE OF PERFORATIONS (FT.)} && = 2438 \end{aligned}$$

STEPS:

$$\begin{aligned} PBH &= 289.7 + 289.7 (E**0.0000347*1748.046 - 1.) \\ PBH &= 289.7 + 289.7 (E**0.060657 - 1.) \\ PBH &= 289.7 + 289.7 (1.06253 - 1.) \\ PBH &= 289.7 + 289.7 (0.063) \\ PBH &= 289.7 + 18.1 \\ PBH &= 307.8 \quad (PSIA) \end{aligned}$$

11/17/2023