

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

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

COAL OPERATOR OR COAL OWNER
ADDRESS

COAL OPERATOR OR COAL OWNER
ADDRESS

UNITED FUEL GAS CO.,
OWNER OF MINERAL RIGHTS
P.O. Box 1273, Charleston 25, W. Va.
ADDRESS

UNITED FUEL GAS CO.,
NAME OF WELL OPERATOR
% G. H. Moore
P.O. Box 1273, Charleston 25, W. Va.
COMPLETE ADDRESS

April 13, 19 48
PROPOSED LOCATION

Stonewall District

Wayne County

Well No. 6343 38°10' 82°15'

UNITED FUEL GAS CO.,
Mineral Tract #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.

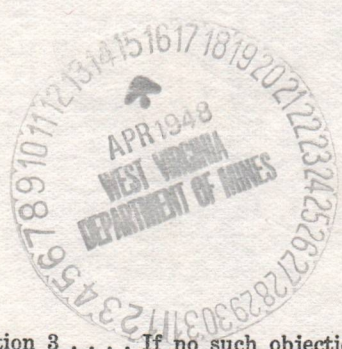
The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting 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 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 25,
CITY OR TOWN
West Virginia
STATE

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.

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.

NAME OF WELL OPERATOR
G. H. Moore
P.O. Box 1273, Charleston 25, W. Va.
COMPLETE ADDRESS

NAME OF COAL OWNER
ADDRESS

PROPOSED LOCATION
April 13, 1948

NAME OF COAL OWNER
ADDRESS

District
Stonewall

NAME OF COAL OWNER
ADDRESS

County
Wayne

NAME OF COAL OWNER
ADDRESS

Well No. 6243
UNITED FUEL GAS CO.,
Mineral Tract #1

P.O. Box 1273, Charleston 25, W. Va.
ADDRESS

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 ~~the~~ ^{Deed} ~~title~~ dated _____ to _____ made by _____ HUNTINGTON DEV. & GAS CO., and recorded on the _____ day of _____ 1946, in the office of the County Clerk for said County in Book 23M page 313.

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 Mineral 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 boundary 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 addresses _____ 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
G. H. Moore
P.O. Box 1273, Charleston 25,
CITY OF 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 requiring the filing of such plat and no objections have been made by the coal operators to the location, or found there to be the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

Permit Number 147-270

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
White Shale			2976	2986			
Brown Shale			2986	3237			
White Slate			3237	3250			
Total Depth			3250'				
					Water 440'		1 bailer every 2 hrs.
					Water 950'		1 bailer per hour.
					Injun gas 1663-1680	66/10 W 2"	343 M
					Test before shot 36/10	W 2"	253 M
					Shot 7-30-48 with 550#	Det.	1637-1684.
					Test after shot 48/10	W 2"	292 M
					Shut in 8-14-48.		
					Show gas in Shale 3210'		
					Not enough gas to test before shot.		
					Shot 9-15-48 with 6400#	Gel.	2261-3250
					Test 18 hrs. after shot 9/10	W 2"	127M
					OPEN FLOW - Injun 292 M	48 Hr. R.P.	36
					Shale 127 M	48 Hr. R.P.	56
							419 M
					Shut in 9-21-48 in 3" Tubing.		

Way 570

11/17/2023

Date November 19, 1948

APPROVED UNITED FUEL GAS CO. Owner

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well Gas
(KIND)

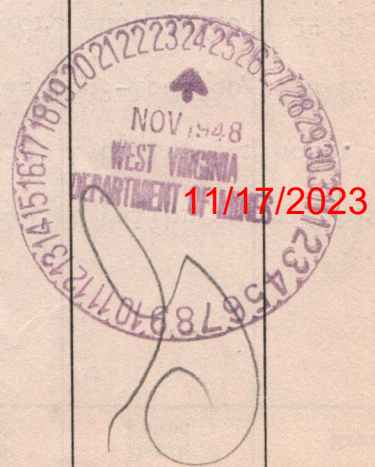
Permit No. WAY-570

Company UNITED FUEL GAS CO.
Address P.O. Box 1273, Charleston 25, W. Va.
Farm U.F.G. Co. Min. Tr. #1 Acres 16,742.96
Location (waters) Laurel Cr.
Well No. 6343 Elev. 1031.43
District Stonewall 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 6-24-48
Drilling completed 9-14-48
Date Shot 7-30-48 From 1637 To 1684
9-14-48 From 2261 To 3250
With 550# Det, 6400# Gel.
48 &
Open Flow 9/10ths Water in 2 Inch
/10ths Merc. in Inch
Volume 292 M - Injun, 127 M - Shale Cu. Ft.
Rock Pressure 365, 560 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 440 feet feet
Salt water 950 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hookwall
13			Size of
10	29	29	3" X 5-3/16" X 1
8 1/4	529	529	Depth set 1840
6 5/8	1461	1461	Perf. top
5 3/16	1731	Pulled	Perf. bottom
3 Tubing		3245	Perf. top
2			Perf. bottom
Liners Used			

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT			
		FEET	INCHES
		FEET	INCHES
		FEET	INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	28			
Sand			28	54			
Slate			54	125			
Sand			125	160			
Slate			160	185			
Sand			185	260			
Slate			260	290			
Sand			290	320			
Slate			320	465			
Sand			465	515			
Slate			515	570			
Sand			570	640			
Slate			640	770			
Sand			770	795			
Slate			795	945			
Salt Sand			945	998			
Slate			998	1005			
Salt Sand			1005	1320			
Slate			1320	1380			
Red Rock			1380	1400			
Slate			1400	1410			
Lime shells			1410	1419			
Little Lime			1419	1439			
Pencil Cave			1439	1441			
Big Lime			1441	1616			
Keener Sand			1616	1623			
Red Injun			1623	1633			
Gray Injun			1633	1684			
Slate & shells			1684	2210			
Brown Shale			2210	2218			
Shells			2218	2232			
Berea Sand			2232	2246			
Shells			2246	2300			
Brown Shale			2300	2360			
White Slate			2360	2735			
Brown Shale			2735	2870			
White Shale			2870	2921			
Brown Shale			2921	2976			



**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:

RECEIVED
JUN 3 1982

1.0 API well number: (If not assigned, leave blank 14 digits.)	47-099-00570-			
2.0 Type of determination being sought (Use the codes found on the front of this form.)	107 DV Section of NGPA	- Category Code	JUN 3 1982	
3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.)	3250 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		WV State	004030 Seller Code 25325 Zip Code
5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	WV Field Area B Field Name Wayne County		WV State	
(b) For OCS wells	NA Area Name			
	Date of Lease Mo. Day Yr.		Block Number OCS Lease Number	
(c) Name and identification number of this well (35 letters and digits maximum.)	TCO Min. Tr. No. 1		806343	
(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)	NA			
6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)	*		004030 Buyer Code	
(b) Date of the contract:	Mo. Day Yr. *			
(c) Estimated total annual production from the well	21 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	De-reg	---	---
9.0 Person responsible for this application:	Albert H. Mathena, Jr., Director, Production Eng.			
Agency Use Only	Name		Title	
Date Received by Juris. Agency	Albert H. Mathena Jr.			
JUN 3 - 1982	Signature			
Date Received by FERC	5-20-82		(304) 346-0951	
	Date Application is Completed		Phone Number	

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

11/17/2023



Way-570

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.

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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

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. 806343

C-4

A-7

API Well No. 47 - 099 - 00570
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 1021.43
Watershed _____

WELL OPERATOR Columbia Gas Trans. Corp.

ADDRESS P. O. Box 1273
Charleston, WV 25325

Dist. Stonewall County Wayne Quad. _____

Gas Purchase Contract No. N.A.

GAS PURCHASER N.A.

Meter Chart Code _____

ADDRESS _____

Date of Contract N.A.

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

Date surface drilling began: 6-24-1948

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, 19 82, has acknowledged the same before me, in my county aforesaid.

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.

11/17/2023

(NOTARIAL SEAL)

Larry G Burdette
Notary Public