

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
% G. H. Moore,

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

COMPLETE ADDRESS

October 26, 1948

PROPOSED LOCATION

Lincoln District

Wayne County

Well No. 6461

38.00
82.15

UNITED FUEL GAS CO.

Mineral Tract No. 19 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 129, page 581.

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,

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



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.

637

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: UNITED FUEL GAS CO.
 COAL OPERATOR OR COAL OWNER: None
 COMPLETE ADDRESS: R. D. H. Moore, P. O. Box 1233, Charleston 25, W. Va.
 ADDRESS: _____
 COAL OPERATOR OR COAL OWNER: _____
 ADDRESS: _____
 OWNER OF MINERAL RIGHTS: UNITED FUEL GAS CO.
 P. O. Box 1233, Charleston 25, W. Va.
 ADDRESS: _____
 Well No. 6161
 UNITED FUEL GAS CO.
 Mineral Tract No. 19 Farm

Proposed location: October 26, 1948
 District: Lincoln
 County: Wayne
 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 dated _____, to HUNTINGTON OIL & GAS CO., made by _____, and recorded on the _____ day of _____, 1940, in the office of the County Clerk for said County in Book 129, page 281.

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 on land marks.

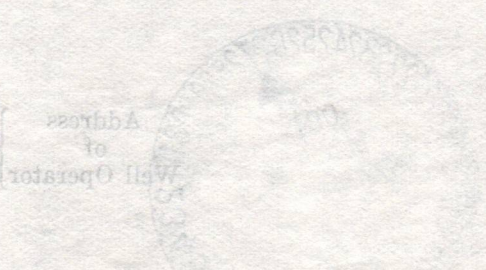
The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundary of the same, who have mapped their workings and filed their maps as required by law, excepting 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 2 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 _____ 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
 R. D. H. Moore,
 P. O. Box 1233, Charleston 25,
 West Virginia,
 STATE



11/17/2023

Section 2... If up 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 line of such plat, that no objections have been made by the coal operators to the location, or found thereby by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

November 6, 1948

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

Gentlemen:

Enclosed is permit WAX-687 to drill Well
No. 6461 on the United Fuel Gas Company Mineral Tract
No. 19, Lincoln District, Wayne County.

Very truly yours,

Administrative Assistant
OIL AND GAS DIVISION

GNH: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
Slate			1275	1280			
Maxon Sand			1280	1317			
Little Lime			1317	1347			
Pencil Cave			1347	1350	B.Lime Gas	1442-1445	10/10 W 2" 133M
Big Lime			1350	1564			
Big Injun Sand			1564	1600	Test before acidized	9/10 w 2" 127 M	
Lime Shell			1600	1622	Acidized 2-	11-49 with 1500 gal. acid.	
Slate			1622	1627	Test after acidizing	60/10 W 2" 327 M.	
Shell			1627	1636			
Slate			1636	1641			
Shell			1641	1653			
Slate			1653	1881			
Shell			1881	1904			
Sl. & Shs.			1904	1987			
Slate			1987	2123			
Br. Shale			2123	2137	Berea Gas	2147-2156'	3/10 W 1" 18 M
Berea Sand			2137	2172			
Break Slate			2172	2174			
Lime Shells			2174	2198			
Slate			2198	2214			
Br. Shale			2214	2268			
Slate			2268	2648			
Dark Gray Slate			2648	2840	Gas in Shale	2851	
Br. Shale			2840	3137		2871	
White Slate			3137	3152		3038	
						3067	
Total Depth			3152'			3100	
						3132	
					Not enough gas to test before shot. Shot 3-17-49 with 3200# Gel. 2674-3152' Test after shot 3/10 W 2" 73 M		
					<u>OPEN FLOW</u> - 327 M - Big Lime 73 M - Berea-Shale 400 M		
					48 Hr. R.P. 267# - Big Lime 48 Hr. R.P. 465# - Berea-Shale		
					Shut in 3-21-49 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

Naugatuck

WELL RECORD

Permit No. WAY-637

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. #19 Acres 323.04
Location (waters) Jakes Br. of L2 Pole Creek
Well No. 6461 Elev. 919.54
District Lincoln 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 1-6-49
Drilling completed 3-15-49
Date Shot 3-17-49 From 2674 To 3152
With 3200# Gel.
Open Flow 60 & 3/10ths Water in 2" Inch
/10ths Merc. in _____ Inch
Volume 327 M - B.Lime, 73 M - Berea-Shale Cu. Ft.
Rock Pressure 267,465 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 145 feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hookwall
13			Size of
10	20'	20'	3" X 6-5/8" X 16"
8 1/4	427'	427'	Depth set <u>1647'</u>
6 1/2	1378'	1378'	
5 3/16	1650'	Pulled	
3		1666'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 83 FEET 24 INCHES
394 FEET 36 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	24			
Sand			24	83			
Coal			83	85	Water	145'	Hole full
Sand			85	173			
Slate			173	177			
Sand			177	243			
Slate			243	257			
Sand			257	281			
Slate			281	319			
Sand			319	332			
Slate			332	356			
Sand			356	367			
Slate			367	394			
Coal			394	397			
Black Lime			397	404			
Slate			404	435			
Sand			435	457			
Slate			457	483			
Sand			483	511			
Slate			511	538			
Sand			538	613			
Slate			613	700			
Sl. & Shs.			700	763			
Sand			763	802			
Slate			802	809			
Salt Sand			809	865			
Slate			865	875			
Sand			875	927			
Slate			927	957			
Sand			957	1060			
Slate			1060	1073			
Sand			1073	1103			
Slate			1103	1178			
Sand			1178	1223			
Red Rock			1223	1228			
Slate			1228	1234			
Black Lime			1234	1256			
Slate			1256	1265			
Red Rock			1265	1275			



11/17/2023

UNITED FUEL GAS COMPANY
COMPANY

SERIAL WELL NO. 6461

LEASE NO. _____

MAP SQUARE 2403E

RECORD OF WELL NO. <u>6461</u> on the	CASING AND TUBING				TEST BEFORE SHOT
U.F.G. Co. Min. Tr #19 farm of <u>323.04</u> Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	0 /10 of Water in <u>1</u> inch
in <u>Lincoln</u> District	<u>10"</u>	<u>32.75#</u>	<u>20-2</u>	<u>20-2</u>	/10 of Merc. in _____ inch
<u>Wayne</u> County	<u>8-1/4"</u>	<u>24#</u>	<u>427-5</u>	<u>427-5</u>	Volume <u>0</u> Cu. ft.
State of: <u>West Virginia</u>	<u>6-5/8"</u>	<u>20#</u>	<u>1388-6</u>	<u>1388-6</u>	TEST AFTER SHOT
Field: <u>Branchland</u>	<u>5-3/16"</u>	<u>14#</u>	<u>1670-9</u>	<u>None</u>	3 /10 of Water in <u>2</u> inch
Rig Commenced <u>By Contractor</u> 194	<u>3"</u>	<u>9.20#</u>	<u>1666-4</u>	<u>1666-4</u>	/10 of Merc. in _____ inch
Rig Completed <u>By Contractor</u> 194					Volume <u>73 MCF</u> Cu. ft.
Drilling Commenced <u>January 6</u> 194 <u>9</u>					<u>48</u> Hours After Shot
Drilling Completed <u>March 15</u> 194 <u>9</u>					Slate - 40' Rock Pressure <u>Rig Line - 267</u>
Drilling to cost <u>\$3.00</u> per foot					Date Shot <u>March 17, 1949</u>
Contractor is: <u>R. W. Ray</u>					Size of Torpedo <u>3200# Gel.</u>
Address: <u>Hamlin, W. Va.</u>			SHUT IN		Oil Flowed _____ bbls. 1st 24 hrs.
			Date <u>March 21, 1949</u>		Oil Pumped _____ bbls. 1st 24 hrs.
Driller's Name <u>Lloyd Sowards</u>	<u>3"</u> in.		Tubing or Casing		
<u>Frank Adkins</u>		Size of Packer <u>3"X6-5/8"X16"</u>			Well abandoned and
		Kind of Packer <u>Hookwall</u>			Plugged 194 _____
		1st. Perf. Set <u>1533</u> from <u>1564</u>			
Elevation: <u>919.54</u>		2nd Perf. Set _____ from _____			

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	24	24	
Sand	24	83	59	
Coal	83	85	2	
Sand	85	173	88	Hole full fresh water at 145'
Slate	173	177	4	
Sand	177	243	66	
Slate	243	257	14	
Sand	257	281	24	
Slate	281	319	38	
Sand	319	332	13	
Slate	332	356	24	
Sand	356	367	11	
Slate	367	394	27	
Coal	394	397	3	
Black Lime	397	404	7	
Slate	404	435	31	
Sand	435	457	22	

APPROVED <i>H. E. Gibson</i>

11/17/2023

SERIAL WELL NO. 6461

LEASE NO. - - -

MAP SQUARE 24-31

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	457	483	26	
Sand	483	511	28	
Slate	511	538	27	
Sand	538	613	75	
Slate	613	700	87	
Slate & Shells	700	763	63	
Sand	763	802	39	
Slate	802	809	7	
Salt Sand	809	865	56	
Slate	865	875	10	
Sand	875	927	52	
Slate	927	957	30	
Sand	957	1060	103	
Slate	1060	1073	13	
Sand	1073	1103	30	
Slate	1103	1178	75	
Sand	1178	1223	45	
Red Rock	1223	1228	5	
Slate	1228	1234	6	
Black Lime	1234	1256	22	
Slate	1256	1265	9	
Red Rock	1265	1275	10	
Slate	1275	1280	5	
Maxon Sand	1280	1317	37	
Little Lime	1317	1347	30	
Pencil Cave	1347	1350	3	
Big Lime	1350	1564	214	6-5/8" set at 1378' SIM
Big Injun Sand	1564	1600	36	gas in Big Lime at 1442' to 1445'
Lime Shell	1600	1622	22	1442' to 1445'
Slate	1622	1627	5	Gas in Big Lime at 1549' to 1553'
Shell	1627	1636	9	
Slate	1636	1641	5	
Shell	1641	1653	12	Hole reduced to 5" at 1650'
Slate	1653	1878	225	
Slate	1878	1881	3	Gas in Berea- 2147 to 2156' - 3/10 W-2"
Shell	1881	1904	23	
Slate & Shells	1904	1987	83	

APPROVED
H. E. Gibson

11/17/2023

~~MINNESOTA~~ February 119 49

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

Well No. 6461 (Serial No.) on U.F.G.CO.Min.Tr.#19 Farm

Was ~~shot~~ ^{Acidized} this date with 1500 gal. Acid quarts

Number of Shells _____

Length of Shells _____

Top of Shot _____

Bottom of Shot _____

Top of _____ Sand _____ feet
(Name of Sand)

Bottom of _____ Sand _____ feet
(Name of Sand)

Total Depth of Well 3152'

Results: before acidizing- 9/10 W-2" (127 MCF)
after acidizing- 60/10 W-2" (327 MCF)
y 3/4

Remarks: _____

RECEIVED
APR 25 1949
DIVISION SUPT.

Signed H. E. Johnson District Supt.

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

March 17, 19 49

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

Well No. 6461 (Serial No.) on U.F.G.CO.Min.Tr.#19 Farm

Was shot this date with 3200# Gelatin quarts

Number of Shells 48

Length of Shells 4 1/2 x 10 1/2 - 6"

Top of Shot 2674'

Bottom of Shot 3152'

Top of Slate Sand 2674 feet
(Name of Sand)

Bottom of Br. Shale Sand 3152 feet
(Name of Sand)

Total Depth of Well 3152'

Results: before shot- 0/10 W-1"

after shot- 3/10 W-2" (73 MCF)

Remarks:

RECEIVED
APR 2 1949
DIVISION SUPT.

Signed *H. Gibson*

District Supt.

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

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:

<p>1.0 API well number: (If not assigned, leave blank 14 digits.)</p>	<p><u>47-099-00637-</u> RECEIVED</p>			
<p>2.0 Type of determination being sought (Use the codes found on the front of this form.)</p>	<p><u>107 DV</u> Section of NGPA Category Code</p>			
<p>3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.)</p>	<p><u>3152</u> feet JUN 3 1982</p>			
<p>4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)</p>	<p style="text-align: right;">OIL & GAS DIVISION</p> <p>Columbia Gas Transmission Corporation DEPT OF MINES 004030</p> <p>Name Seller Code</p> <p><u>P. O. Box 1273</u></p> <hr/> <p>Street <u>Charleston</u> WV <u>25325</u></p> <p>City State Zip Code</p>			
<p>5.0 Location of this well (Complete (a) or (b).)</p> <p>(a) For onshore wells (35 letters maximum for field name.)</p>	<p><u>WV Field Area B</u></p> <p>Field Name <u>Wayne</u> WV</p> <p>County State</p>			
<p>(b) For OCS wells</p>	<p style="text-align: center;"><u>NA</u></p> <p>Area Name Block Number</p> <p style="text-align: center;">Date of Lease</p> <p style="text-align: center;">Mo. Day Yr. OCS Lease Number</p>			
<p>(c) Name and identification number of this well (35 letters and digits maximum.)</p>	<p><u>TCO Min. Tr. No. 19 806461</u></p>			
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)</p>	<p><u>NA</u></p>			
<p>6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)</p>	<p style="text-align: center;">*</p> <p>Name 004030</p> <p>Buyer Code</p>			
<p>(b) Date of the contract:</p>	<p style="text-align: right;">*</p> <p style="text-align: center;">Mo. Day Yr.</p>			
<p>(c) Estimated total annual production from the well</p>	<p><u>10</u> Million Cubic Feet</p>			
	(a) Base Price	(b) Tax	(c) All Other Prices (+) or (-).	(d) Total of (a), (b) and (c)
<p>7.0 Contract price (As of filing date. Complete to 3 decimal places.)</p>	S/MMBTU	---	---	---
<p>8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)</p>	S/MMBTU	<u>Dereg</u>	---	---
<p>9.0 Person responsible for this application:</p>	<p>Albert H. Mathena, Jr., Director, Production Eng.</p> <p>Name Title</p> <p><u>Albert H. Mathena Jr.</u></p> <p>Signature (304) 346-0951</p> <p><u>5-20-82</u> Date Application is Completed Phone Number</p>			
<p style="text-align: center;">Agency Use Only</p> <p>Date Received by Juris. Agency</p> <p style="text-align: center; font-size: 1.2em;"><u>JUN 3 - 1982</u></p> <p>Date Received by FERC</p>				

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

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. 806461

API Well No.
47 - 099 - 00637
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 919.54
Watershed _____

WELL OPERATOR Columbia Gas Trans. Corp.

ADDRESS P. O. Box 1273
Charleston, WV 25325

Dist. Lincoln County Wayne Quad. _____

Gas Purchase
Contract No. N.A.

GAS PURCHASER N.A.
ADDRESS _____

Meter Chart Code _____

Date of Contract N.A.

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

Date surface drilling began: 1-6-1949

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.

(NOTARIAL SEAL)

Larry G Burdette
Notary Public

11/17/2023



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

Date 5-20, 1982

Operator's Well No. 806461

API Well No. 47 - 099 - 00637
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
Charleston, WV 25325

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.

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

(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 _____
Title _____
11/17/2023

COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 806461

SUPPLEMENT:

METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

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

WHERE:

- PBH = BOTTOM HOLE PRESSURE (PSIA) = 479.7
- PWH = WELLHEAD PRESSURE (PSIA) = 0.7170
- G = SPECIFIC GRAVITY OF GAS = 2913
- L = DEPTH TO MIDDLE OF PERFORATIONS (FT.) = 2913

STEPS:

- PBH = 479.7 + 479.7 (E**0.0000347*2088.621 -1.)
- PBH = 479.7 + 479.7 (E**0.072475 -1.)
- PBH = 479.7 + 479.7 (1.07517 -1.)
- PBH = 479.7 + 479.7 (0.075)
- PBH = 479.7 + 36.1
- PBH = 515.8 (PSIA)

11/17/2023



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.

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