



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

Charleston, W. Va.
ADDRESS

United Fuel Gas Company
NAME OF WELL OPERATOR

Charleston, W. Va.
COMPLETE ADDRESS

January 20, 19 58
PROPOSED LOCATION

Grant District

Wayne County

Well No. 8602 Lat. 38° 05' Lon. 82° 10' Elev. 833.18'

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 dated Dec. 26, 1946, made by Huntington Development & 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.

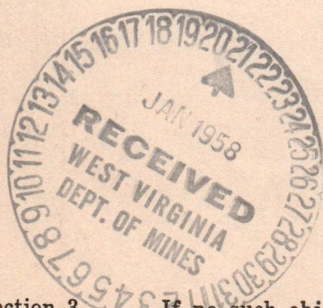
The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting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



Address of Well Operator }

UNITED FUEL GAS COMPANY
WELL OPERATOR

P. O. Box 1273
STREET

Charleston 25
CITY OR TOWN

West Virginia
STATE

08/18/2023

*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.

1069

WAY-1069 PERMIT NUMBER

Formation	Color	Hard or Soft	Top ³⁴	Bottom	Oil, Gas or Water	Depth Found	Remarks
Berea Sand			2280	2292			
Shells			2292	2400			
Slate & Shells			2400	3073			
Brown Shale			3073	3095			
Slate			3095	3120			
Brown Shale			3120	3393			
White Slate			3393	3408			
Total Depth			3408'				

08/18/2023

Date Feb. 20, 19

APPROVED UNITED FUEL GAS CO. 0

By S. R. Farrell
(Title)
Supt., Civil Engineering Dept.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 34

MAILED FEB 27 1958

FEB 50

Quadrangle Midkiff
Permit No. WAY-1069

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Co.
Address P.O. Box 1273; Charleston 25, W.Va.
Farm United Fuel Gas Co. Min. Tr. #1 Acres 40,068.57
Location (waters) Kiah Creek
Well No. 8602 Elev. 833.18
District Grant County Wayne
The surface of tract is owned in fee by _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W.Va.
Drilling commenced 6-25-58
Drilling completed 10-24-58
Date Shot 10-27-58 From 2452 To 3408
With 9700# Ind. Gelatin
Open Flow 28 /10ths Water in _____ 2 Inch
_____ /10ths Merc. in _____ 198 M
Volume 223,000; Big Im. 25 M; Br. Shale 198 M Cu. Ft.
Rock Pressure 285 lbs. 48 hrs.
370 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hookwall
13			Size of
10 <u>3/4</u>		<u>29</u>	<u>3 1/2" x 7" x 16"</u>
<u>8 5/8</u>		<u>294</u>	Depth set
<u>7 7/8</u>		<u>1506</u>	<u>2007'</u>
<u>5 3/16</u>			Perf. top
<u>3 1/2</u>		<u>2807</u>	Perf. bottom
<u>2</u>			Perf. top
Liners Used			Perf. bottom

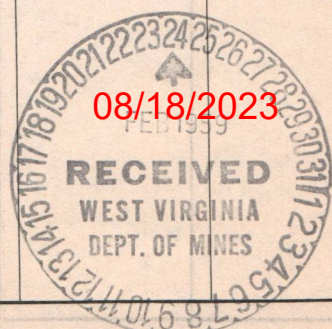
CASING CEMENTED	SIZE	No. Ft.	Da
COAL WAS ENCOUNTERED AT	<u>123</u>	<u>FEET</u>	<u>36</u> INCH
	<u>FEET</u>	<u>INCHES</u>	<u>FEET</u> <u>INCH</u>
	<u>FEET</u>	<u>INCHES</u>	<u>FEET</u> <u>INCH</u>

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 25 Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	21	Gas	1547-1548'	30/10 W 1" 58 M
Sand			21	40			
Slate			40	85	Show oil	1673-1683'	
Sand			85	123			
Coal			123	126	Big Lime gas	blew down to 4/10 W 1"	
Slate			126	140			
Sand			140	205	Shale gas	3180-3190' increased to 6	
Slate			205	247	W 1" 26 M		
Sand			247	300			
Slate & Shells			300	350	Test before shot	4/10 W 1" 21 M	
Sand			350	400	Shot 10-27-58 with	9700# Ind. Gelat	
Slate & Shells			400	555	from	2452-3408'	
Sand			555	650	Test 1 hr. after shot	16/10 Merc. 2	
Slate & Shells			650	715	622 M		
Sand			715	903	Test 20 hrs. after shot	28/10 W 2"	
Slate			903	920'			
Salt Sand			920	1120			
Slate & Shells			1120	1132			
Maxon			1132	1446	Shut in 12-5-58 in	3 1/2" tubing	
Slate			1446	1448			
Little Lime			1448	1477			
Pencil Cave			1477	1479			
Big Lime			1479	1692			
Red Injun			1692	1725			
Gray Injun			1725	1760			
Slate			1760	1770			
Shells			1770	1945			
Hard Shells			1945	2027			
Slate & Shells			2027	2257			
Coffee Shale			2257	2280			



(over)

**UNITED FUEL GAS
COMPANY**

SERIAL WELL NO. 8602

Ref. LEASE NO. 24689

MAP SQUARE 28-37

RECORD OF WELL NO. 8602	on the	CASING AND TUBING				TEST BEFORE SHOT
UFG Co. Min. Tr. #1	40,068.67 farm of Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	4 /10 of Water in 1" inch
in Grant	District	10-3/4"	32#	29'	29'	/10 of Merc. in inch
Wayne	County	8-5/8"	28#	297'	297'	Volume 21 MCF Cu. ft
State of: West Virginia		7"	20#	1516'	1516'	TEST AFTER SHOT & Acid
Field: Central Division		3-1/2"	9#	2822'	2822'	Shale 10 /10 of Water in 2" inch
Rig Commenced June 9, 1958						Lime W 6 /10 of Merc. in 1" inch
Rig Completed June 25, 1958						Shale 133 MCF
Drilling Commenced June 25, 1958						Volume Lime 25 MCF Cu. ft
Drilling Completed October 24, 1958						After Tubing Hours After Sho
Drilling to cost per foot						Rock Pressure Csg. 370# 48 P
Contractor is: R. L. Hooser						Acid. 10-30-58
Address: Hamlin, W. Va.						Date Shot 10-27-58
						3000 Gal. Acid.
						Size of Torpedo 9700# Ind. Ge
						SHUT IN
						Date 12-5-58
Driller's Name Lee Holton		3-1/2" in.	Tubing		Tubing or Casing	Oil Flowed bbls. 1st 24 hrs
Ross Nelson						Oil Pumped bbls. 1st 24 hrs
			Size of Packer 3-1/2" X 7"			Well abandoned and
			Kind of Packer Hookwall			Plugged 19
			1st. Perf. Set from			
Elevation: 833.18'			2nd Perf. Set from			

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	21	21	
Sand	21	40	19	Hole full of water @ 25'
Slate	40	85	45	
Sand	85	123	38	
Coal	123	126	3	
Slate	126	140	14	
Sand	140	205	65	
Slate	205	247	42	
Sand	247	300	53	
Slate & Shells	300	350	50	
Sand	350	400	50	
Slate & Shells	400	555	155	
Sand	555	650	95	
Slate & Shells	650	715	65	
Sand	715	903	188	
Slate	903	920	17	
Salt Sand	920	1120	200	

APPROVED

DIVISION SUPERINTENDENT

08/18/2023

SERIAL WELL NO. 8602

Ref. LEASE NO. 24689

MAP SQUARE 28-37

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate & Shells	1120	1132	12	
Maxon	1132	1446	314	
Slate	1446	1448	2	
Little Lime	1448	1477	29	
Pencil Cave	1477	1479	2	
Big Lime	1479	1692	213	Gas @ 1547' to 1549' 30/10 W-1"
Red Injun	1692	1725	33	Show of oil @ 1673' to 1683'
Gray Injun	1725	1760	35	
Slate	1760	1770	10	
Shells	1770	1945	175	
Hard Shell	1945	2027	82	
Slate & Shells	2027	2257	230	
Coffee Shale	2257	2280	23	
Berea Sand	2280	2292	12	
Shells	2292	2400	108	
Slate & Shells	2400	3073	673	
Brown Shale	3073	3095	22	
Slate	3095	3120	25	
Brown Shale	3120	3393	273	Gas @ 3180' to 3190' 6/10 W-1"
White Slate	3393	3408	15	Gas 6/10 W-1" when dlg. completed
TOTALDEPTH	3408			
<i>Devonian Shale 2292-3408 1106' thickness</i>				
<i>No sand logged</i>				
<i>James S. Temple II</i>				
<i>Geologist</i>				

08/18/2023

October 27, 19 58

Mr. W. W. Ferrell, Ass't. Superintendent

Well No. 8602 (Serial No.) on U.F.G. Co. Min. Tr. #1 Farm

Was shot this date with 9700# Ind. Gelatin quarts

Number of Shells 97

Length of Shells 5"X10"

Top of Shot 2452'

Bottom of Shot 3408'

Top of Slate & Shells Sand 2400' feet
(Name of Sand)

Bottom of White Slate Sand 3408' feet
(Name of Sand)

Total Depth of Well 3408'

Results: After Tubing - 10/10 W-2" - 133 MCF "Shale"

Remarks:

Signed *W. W. Ferrell* District Supt.

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

08/18/2023

October 30, 1958

Mr. W. W. Ferrell, Ass't. Superintendent

Well No. 8602 (Serial No.) on U.F.G. Co. Min. Tr. #1 Farm

Acid. Was shot this date with 3000 Gal. Acid _____ quarts

Number of Shells _____

Length of Shells _____

Top of Shot _____

Bottom of Shot _____

Top of Big Lime Sand 1479 feet
(Name of Sand)

Bottom of Big Lime Sand 1692 feet
(Name of Sand)

Total Depth of Well 3408'

Results: After Tubing - 6/10 W-1" - 25 MCF "Big Lime"

Remarks: _____

Signed *[Signature]* District Supt.

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

08/18/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. WAY 1069

Oil or Gas Well 8602
(KIND)

Company <u>United Fuel Gas Co.</u> Address <u>P.O. Box 1273 Charleston, W. Va.</u> Farm <u>U.F.G.Co. Min. Tr. #1</u> Well No. <u>8602</u> District <u>Grant</u> County <u>Wayne</u> Drilling commenced <u>June 26, 1958</u> Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water <u>125</u> feet _____ feet Salt water _____ feet _____ feet	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CASING AND TUBING</th> <th style="width: 15%;">USED IN DRILLING</th> <th style="width: 15%;">LEFT IN WELL</th> <th style="width: 55%;">PACKERS</th> </tr> </thead> <tbody> <tr> <td>Size</td> <td></td> <td></td> <td>Kind of Packer</td> </tr> <tr> <td>16</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td style="text-align: center;">21'</td> <td></td> <td>Size of</td> </tr> <tr> <td>8 1/4</td> <td style="text-align: center;">291'</td> <td></td> <td></td> </tr> <tr> <td>6 3/8</td> <td style="text-align: center;">1508'</td> <td></td> <td>Depth set</td> </tr> <tr> <td>5 3/16</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td>Perf. top</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>Perf. bottom</td> </tr> <tr> <td>Liners Used</td> <td></td> <td></td> <td>Perf. top</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Perf. bottom</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">CASING CEMENTED</th> <th style="width: 15%;">SIZE</th> <th style="width: 15%;">No. FT.</th> <th style="width: 30%;">Date</th> </tr> </thead> <tbody> <tr> <td colspan="4">COAL WAS ENCOUNTERED AT <u>123</u> FEET <u>36</u> INCHES</td> </tr> <tr> <td>_____</td> <td>FEET</td> <td>INCHES</td> <td>FEET INCHES</td> </tr> <tr> <td>_____</td> <td>FEET</td> <td>INCHES</td> <td>FEET INCHES</td> </tr> </tbody> </table>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	Size			Kind of Packer	16				13				10	21'		Size of	8 1/4	291'			6 3/8	1508'		Depth set	5 3/16				3			Perf. top	2			Perf. bottom	Liners Used			Perf. top				Perf. bottom	CASING CEMENTED	SIZE	No. FT.	Date	COAL WAS ENCOUNTERED AT <u>123</u> FEET <u>36</u> INCHES				_____	FEET	INCHES	FEET INCHES	_____	FEET	INCHES	FEET INCHES
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Drillers' Names Lee Holton
Ross Nelson

Remarks: Salt Sand 920'-1120'; Maxon Sand 1132'-1446'; Big Lime 1470'-1692'; show gas in Big Lime 1547'-1549'; 30/10 Water 1"; show of oil in Big Lime 1673'-1683'; Berea Sand 2280'-2292'; Brown Shale 3073'-3095'; Brown Shale 3120'- drilling now @ 3340'.

10-24-58
DATE

J.W. Pa...
OCT 1958
RECEIVED
WEST VIRGINIA
DEPARTMENT OF MINES
DISTRICT WELL INSPECTOR
08/18/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR

08/18/2023

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

<p>1.0 API well number. (If not assigned, leave blank. 14 digits.)</p>	<p style="text-align: center; font-size: 1.2em;">- 47 - 099 - 01069</p>			
<p>2.0 Type of determination being sought (Use the codes found on the front of this form.)</p>	<p style="text-align: center;">107-DV Section of NGPA</p>		<p style="text-align: center;">- 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 style="font-size: 1.2em;">3408</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>Columbia Gas Transmission Corporation</p> <p>Name P. O. Box 1273</p> <p>Street Charleston</p> <p>City</p>			<p style="text-align: center;">OIL & GAS DIVISION DEPT. OF MINES</p> <p style="text-align: center;">004030 Seller Code</p> <p style="text-align: center;">WV 25325 State Zip Code</p>
<p>5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)</p>	<p style="text-align: center;">WV FIELD AREA B</p> <p>Field Name</p> <p style="text-align: center;">WAYNE</p> <p>County</p> <p style="text-align: center;">WV</p> <p>State</p>			
<p>(b) For OCS wells</p>	<p style="text-align: center;">N/A</p> <p>Area Name</p> <p style="text-align: center;">Date of Lease</p> <p style="text-align: center;">Mo. Day Yr.</p> <p style="text-align: center;">Block Number</p> <p style="text-align: center;">OCS Lease Number</p>			
<p>(c) Name and identification number of this well (35 letters and digits maximum.)</p>	<p style="text-align: center;">TCO MIN TR-1</p> <p>808602</p>			
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)</p>	<p>N/A</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</p>			<p style="text-align: center;">004030 Buyer Code</p>
<p>(b) Date of the contract:</p>	<p style="text-align: center;">Mo. Day Yr. *</p>			
<p>(c) Estimated total annual production from the well</p>	<p style="font-size: 1.5em;">19</p> <p>Million Cubic Feet</p>			
<p>7.0 Contract price (As of filing date. Complete to 3 decimal places.)</p>	S/MMBTU	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)
<p>8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)</p>	S/MMBTU	Dereg		
<p>9.0 Person responsible for this application:</p>	<p>Albert H. Mathena, Jr., Director, Production Eng.</p> <p>Name</p> <p style="text-align: center;">Albert H. Mathena</p> <p>Signature</p> <p style="text-align: center;">6-5-82</p> <p>Date Application is Completed</p> <p style="text-align: center;">(304) 346-0951</p> <p>Phone Number</p>			

Agency Use Only
Date Received by Juris. Agency
JUN 15 1982
Date Received by FERC

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

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 833.18
Watershed _____

WELL OPERATOR Columbia Gas Trans. Corp.

ADDRESS P. O. Box 1273
Charleston, WV 25325

Dist. GRANT County WAYNE Quad. MIDKIFF

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: 6/25/58

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 9 day of June, 19 82, has acknowledged the same before me, in my county aforesaid.

08/18/2023

Given under my hand and official seal this 9 day of June, 19 82.
My term of office expires on the 13 day of August, 19 89.

(NOTARIAL SEAL)

Larry G Burdette
Notary Public

10-1-2023
10/20/2023
10/20/2023

10/20/2023

10/20/2023

08/18/2023



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

Date 6-9-82, 19__

Operator's Well No. 808602

API Well No. 47 - 099 - 01069
State County Permit

Previous File No. _____
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Columbia Gas Trans. Corp.
ADDRESS P. O. Box 1273
Charleston, WV 25325

DESIGNATED AGENT James L. Weekley
ADDRESS P. O. Box 1273
Charleston, WV 25325

Gas Purchase Contract No. NA* and Date _____
(Month, day and year)

Meter Chart Code _____
Name of First Purchaser NA*

(Street or P. O. Box)

(City) (State) (Zip Code)

FERC Seller Code NA* FERC Buyer Code NA*

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 107-DV Section of NGPA _____ Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

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

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 15 1982

Date received by _____
Jurisdictional Agency

By [Signature] Director
Title _____

08/18/2023



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

REPORT OF THE OFFICE

This cause came before the Administrator of the Office of Oil and Gas on June 28, 1982, at 1:00 p.m., in Conference Room C, Capitol Conference Center, Charleston, West Virginia, after giving notice of hearing as required by law on the applications of Columbia Gas Transmission Corporation for certification of certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, Logan, Mingo and Wayne Counties as Devonian Shale wells under Section 107(c)(4) of the Natural Gas Policy Act.

FINDINGS OF FACT

1. Applicant is an operator within the meaning of paragraph (w) of Chapter 22-4-1.
2. Applicant has made filings for certification pursuant to Rule 34.04.
3. The Natural Gas Policy Act (NGPA) in Section 107, Ceiling Price For High-Cost Natural Gas--(c) Definition of High-Cost Natural Gas-- "For purposes of this section, the term "high-cost natural gas" means natural gas determined in accordance with Section 503 to be....(4) produced from Devonian Shale."
4. The Federal Energy Regulatory Commission (FERC) by Rule 272.101-(c) prescribes the method by which the jurisdictional agency may determine gas produced from Devonian Shale.
5. Exhibits refer to evidence gathered at a public hearing held June 28, 1982.

6. Exhibits No. 2 and 3 lists the wells to be under consideration for Section 107 pricing. All these wells are located on Exhibits No. 4 and 5 and have been completed in the Devonian Shale.

7. Applicant, by letter dated June 25, 1982 (Exhibit No. 3) requested that eight (8) of the wells listed on Attachment A be stricken from the docket for hearing and they have been withdrawn.

8. Exhibit No. 6 shows random sampling of already qualified Devonian Shale wells.

9. Various cross-sections throughout the interval show gamma ray logs of the wells (see Exhibits Nos. 7, 8 and 9).

10. No well has any non-shale greater than 5% in the Devonian interval penetrated.

11. No gamma ray logs are available on these wells since they were all drilled before logging was common in West Virginia.

CONCLUSION OF LAW

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.

2. That pursuant to Chapter 22, Article 4, Code of West Virginia of 1931, as amended, the Office has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

ORDER

NOW, therefore, based on the aforementioned Findings of Fact and Conclusion of Law, it is found by the Administrator that Columbia Gas Transmission Corporation's applications for classification under Section 107 of the Natural Gas Policy Act for certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, Logan, Mingo and Wayne Counties, identified in Attachment A, are approved.

The Office of Oil and Gas further incorporates the Report of the Office and Findings of Fact and Conclusion of Law dated June 28, 1982, as if the same were fully set forth and includes hereto the Report of the Office and Findings of Fact and Conclusion of Law as a part of this Order.

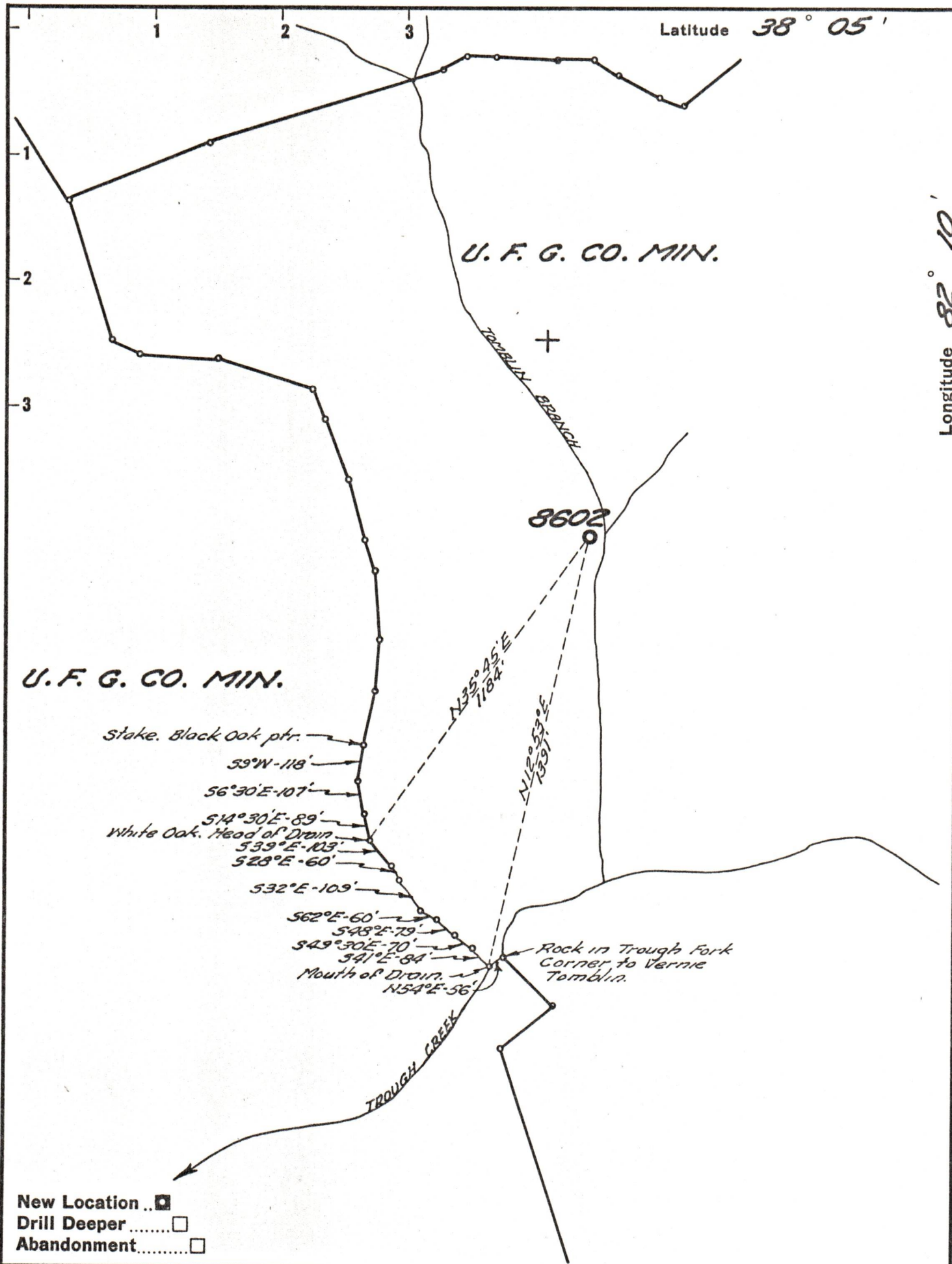
Entered this 12th day of July, 1983.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS
OF THE DEPARTMENT OF MINES
OF THE STATE OF WEST VIRGINIA

By: 
Theodore M. Streit, Administrator

08/18/2023



Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm UNITED FUEL GAS CO. MIN.
 Tract 1 Acres 40.068 Lease No. 2468.9
 Well (Farm) No. _____ Serial No. 8602
 Elevation (Spirit Level) 833.18'
 Quadrangle MIDKIFF
 County WAYNE District GRANT
 Engineer Seybert, R. Fenell
 Engineer's Registration No. 2529
 File No. 28-37 Drawing No. _____
 Date 12-31-57 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. WAY-1069 08/18/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 808602

SUPPLEMENT:

METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

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

WHERE:

- PBH = BOTTOM HOLE PRESSURE (PSIA) = 384.7
- PWH = WELLHEAD PRESSURE (PSIA) = 0.7170
- G = SPECIFIC GRAVITY OF GAS = 2930
- L = DEPTH TO MIDDLE OF PERFORATIONS (FT.) = 2930

STEPS:

- PBH = 384.7 + 384.7 (E**0.0000347*2100.810 -1.)
- PBH = 384.7 + 384.7 (E**0.072898 -1.)
- PBH = 384.7 + 384.7 (1.07562 -1.)
- PBH = 384.7 + 384.7 (0.076)
- PBH = 384.7 + 29.1
- PBH = 413.8 (PSIA)

08/18/2023