

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

July 20, 19 48
PROPOSED LOCATION

Grant District
Wayne County
Well No. 6393 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 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.

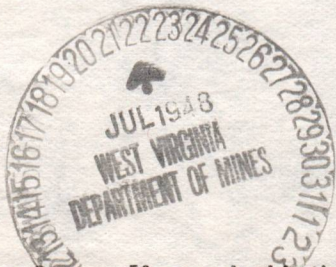
The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their 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,

UNITED FUEL GAS CO.,
WELL OPERATOR
% G. H. Moore
STREET
P.O. Box 1273, Charleston 25,
CITY OR TOWN
West Virginia 11/17/2023
STATE



Address of Well Operator }

*Section 3. If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

600

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.

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

COAL OPERATOR OR COAL OWNER
ADDRESS

July 20, 1946
PROPOSED LOCATION

COAL OPERATOR OR COAL OWNER
ADDRESS

Wayne
County

UNITED FUEL GAS CO.,
OWNER OF MINERAL RIGHTS
ADDRESS

Well No. 8222
UNITED FUEL GAS CO.,
Mineral Tract No. 1
Farm

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 process on dated _____ made by HUNTINGTON OIL & GAS CO., to _____ and recorded on the _____ day of _____, 1946, in the office of the County Clerk for said County in Book _____ page _____

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 on land made.

The undersigned well operator is informed and believes there are no coal operators operating beds or 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 _____ 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. G. H. Moore
P. O. Box 1273, Charleston 25,
West Virginia

Address of Well Operator



11/17/2023

Section 3. If no such objection 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 authorize the well operator a drilling permit recording the filing of such plat, that no objections have been made by the coal operators to the location, or found therein by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

August 2, 1948

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

Gentlemen:

Enclosed is permit WAY-600 to drill Well
No. 6393 on the United Fuel Gas Company Mineral Tract
No. 1, Grant District, Wayne County.

Very truly yours,

Administrative Assistant
OIL AND GAS DIVISION

CHH: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
Black Shale			2089	2114			
Berea Sand			2114	2147			
Slate			2147	2180			
Brown Shale			2180	2249			
White Slate			2249	2630			
Brown Shale			2630	2697			
White Slate			2697	2870			
Brown Shale			2870	2887			
White Slate			2887	2908	Gas	2930'	Show in Shale
Brown Shale			2908	3177			
White Slate			3177	3185			
Total Depth			3185'				
					<p>Not enough gas in Shale to test before shot. Shot 11-29-48 with 3600# Gel. 2635-3185 Test after shot 22/10 W 1" 49 M.</p> <p><u>OPEN FLOW</u> - 235 M - Big Lime & Injun 49 M - Shale 284 M</p> <p>48 Hr. R.P. 415# Big Lime and Injun 48 Hr. R.P. 340# Shale</p>		
			way	600			

11/17/2023

Date January 13, 1949

APPROVED United Fuel Gas Co., Owner

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Wayne

WELL RECORD

Permit No. WAY-600

Oil or Gas Well Gas
(KIND)

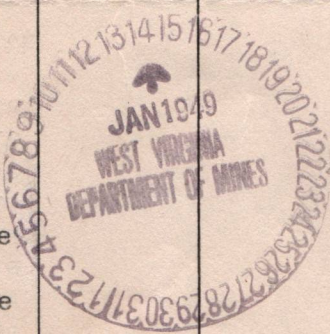
Company United Fuel Gas Co.
Address P. O. Box 1273, Charleston 25, W. Va.
Farm U. F. G. Co. Min. Tr. #1 Acres 38,448.03
Location (waters) Kiahs Creek of 12 Pole Creek
Well No. 6393 Elev. 797.07 Gr.
District Grant County Wayne
The surface of tract is owned in fee by United
Address _____
Mineral rights are owned by United Fuel Gas Co.
P. O. Box 1273 Address Chas. 25, W. Va.
Drilling commenced 9-17-48
Drilling completed 11-25-48
Date Shot 11-29-48 From 2635 To 3185
With 3600# Gel.

Casing and Tubing Size	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13			Hookwall
10	22	22	Size of
8 1/4	229	229	3"X5-3/16"X16"
6 5/8	1364	1364	Depth set 1777
5 3/16	1621	Pulled	
3 Tubing		3173	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow 31/10ths Water in 2" Inch
22/10ths Water in 1" Inch
Volume 235 M, 49 M = 284 M Cu. Ft.
Rock Pressure 415, 340 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 80 feet feet
Salt water _____ feet feet

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT <u>182</u> FEET <u>24</u> INCHES			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	20			
Broken Sand			20	28			
Slate			28	43			
Sand			43	175	Water	80'	3 bailers 24hr
Slate			175	182			
Coal			182	184			
Sand			184	211			
Slate			211	214			
Sand			214	247			
Black Slate			247	522			
Broken Sand			522	620			
Slate			620	675			
Sand			675	765			
Slate			765	823			
Salt Sand			823	1057			
Slate			1057	1061			
Sand			1061	1091			
Slate			1091	1093			
Sand			1093	1105			
Slate			1105	1107			
Sand			1107	1127			
Slate			1127	1132			
Sand			1132	1165			
Slate			1165	1169			
Sand			1169	1205			
Slate			1205	1218			
Sand			1218	1225			
Slate			1225	1227			
Black Lime			1227	1265			
Sand			1265	1312			
Black Lime			1312	1334			
Slate			1334	1338			
Big Lime			1338	1525			
Broken Sand			1525	1540	(Big Lime)	1472'	In Big Lime
Red Rock			1540	1550		1495-1500'	Blew down in 72 hrs to 30/10 W 2" 231 M
Injun Sand			1550	1605	Gas (Injun)	1587'	42/10 W 2" 273
Shells			1605	1630			Test when shut in
Slate & Shells			1630	2089			31/10 W 2" 235 M



11/17/2023

UNITED FUEL GAS CO.
COMPANY

SERIAL WELL NO. 6393

LEASE NO. Refs 24689

MAP SQUARE 26-39

RECORD OF WELL NO. ~~6393~~ 6393 in the
F.G.Co. Min. Tr. #1 farm of 38448.03 Acres

Grant Wayne District
County

State of: West Virginia

Field: Branchland

Drilling Commenced By Contractor 194

Drilling Completed By Contractor 194

Drilling Commenced 9/17/48 194

Drilling Completed 11/25/48 194

Drilling to cost 2.50 per foot

Contractor is: Priddy & Manhon

Address: Huntington, W. Va.

Driller's Name J. W. Priddy

Frank Mixer

Elevation: 797.07

CASING AND TUBING			
SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL
10"	32.75#	22-5	22-5
8-1/4"	24#	229-3	229-3
6-5/8"	20#	1389-9	1383-9
5-3/16"	14#	1639-5	None
3"	9.20#	3173-0	3173-0

TEST BEFORE SHOT
0 /10 of Water in... 1"
31 /10 of Mercury in... 2"
Volume... 0

TEST AFTER SHOT
22 /10 of Water in... 1"
31 /10 of Mercury in... 2"
Volume... 49.43 MCF

3 days Hours After
Rock Pressure...
Date Shot 11/29/48
3600# Gelatin
Size of Torpedo 1 1/4"

SHUT IN
Date 12/2/48
3" in. Tubing or Casing
Size of Packer 3" X 5-3/16" X 16"
Kind of Packer Hookwall
1st. Perf. Set 3172 from 3185
2nd Perf. Set 2765 from 2790

Oil Flowed... bbls. 1st
Oil Pumped... bbls. 1st

Well abandoned and Plugged

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS
Soil	0	20	20
Broken Sand	20	28	8
Slate	28	43	15
Sand	43	175	132
Slate	175	182	7
Coal	182	184	2
Sand	184	211	27
Slate	211	214	3
Sand	214	247	33
Black Slate	247	522	275
Broken Sand	522	620	98
Slate	620	675	55
Sand	675	765	90
Slate	765	823	58
Salt Sand	823	1057	234
Slate	1057	1061	4
Sand	1061	1091	30

Show of gas at 1472'
Gas 1495 to 1500 62/10 W-2N
Test 1587 42/10 W-2N

Show of gas at 2930'

APPROVED

11/17/2023

11/17/2023

SERIAL WELL NO. 6393

LEASE NO. Ref: 24689

MAP SQUARE 26-39

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	1091	1093	2	Shale shot 11/29/48 with 3600#
Sand	1093	1105	12	Gelatin- Top of shot 2635'-
Slate	1105	1107	2	Bottom 3185'-
Sand	1107	1127	20	Not enough to test before shot
Slate	1127	1132	5	Final Open Flow of Shale-
Sand	1132	1165	33	22/10 Water 1" opening-19.43 M
Slate	1165	1169	4	Big Lime & Injun-
Sand	1169	1205	36	31/10 Water 2" opening-235 MCF
Slate	1205	1218	13	
Sand	1218	1225	7	
Slate	1225	1227	2	
Black Lime	1227	1265	38	
Sand	1265	1312	47	
Black Lime	1312	1334	22	
Slate	1334	1338	4	
Big Lime	1338	1525	187	6-5/8" Casing Point 1364' o.l.m.
Broken Sand	1525	1540	15	Show Gas @ 1472'
Red Rock	1540	1550	10	Gas Pay 1495'-1500'-62/10 W-2"
Injun Sand	1550	1605	55	72 hours blew down to 30/10 W-2"
Shell	1605	1630	25	Gas Pay 1587'-42/10 Water 2"
Slate & Shells	1630	2089	459	5-3/1 6" Casing set at 1621'-
Black Shale	2089	2114	25	Pulled 12/2/48
Brea Sand	2114	2147	33	3"x5-3/16"x16" Hook Wall Packer
Slate	2147	2180	33	set @ 1777'
Brown Shale	2180	2249	69	
White Slate	2249	2630	381	
Brown Shale	2630	2697	67	
White Slate	2697	2870	173	
Brown Shale	2870	2887	17	
White Slate	2887	2908	21	Show gas @ 2930'
Brown Shale	2908	3177	269	
White Slate	3177	3185	8	
Total Depth	3185			

Devonian Shale - 2147' to 3185'
 Total Shale - 1038'

no sand logged
 no electric log

Mary S. Friend
 Geologist

11/17/2023

11/29/48 19

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

Well No. 6393 (Serial No.) on U.F.G.Co.Min.Tr.#1 Farm

Was shot this date with 3600# Hercules Powder quarts

Number of Shells

Length of Shells 4-1/4"x10'-6"

Top of Shot 2635

Bottom of Shot 3185

Top of Brown Shale Sand 2635 feet
(Name of Sand)

Bottom of White Slate Sand 3185 feet
(Name of Sand)

Total Depth of Well 3185'

Results: before shot 0/10 W-1"
after shot 22/10 W-1" (49.43 MCF)

Remarks:

Signed [Signature] District Supt.

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

11/17/2023

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:

11/17/2023

1.0 API well number. (If not assigned, leave blank 14 digits.)	<u>47-099-00600-</u>																		
2.0 Type of determination being sought (Use the codes found on the front of this form.)	<u>107DV</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>3185</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 <u>25325</u> Zip Code															
(b) For OCS wells	<u>NA</u> Area Name																		
Date of Lease _____ Mo. Day Yr.																			
OCS Lease Number _____																			
(c) Name and identification number of this well (35 letters and digits maximum.)	<u>TCO Min. TR. No. 1</u> <u>806393</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.)	*			004030 Buyer Code															
(b) Date of the contract	_____ Mo. Day Yr. *																		
(c) Estimated total annual production from the well	<u>15</u> Million Cubic Feet																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:35%;"></th> <th style="width:15%;">(a) Base Price</th> <th style="width:15%;">(b) Tax</th> <th style="width:15%;">(c) All Other Prices (Indicate (+) or (-).)</th> <th style="width:20%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td>7.0 Contract price (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">S/MMBTU -----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> <tr> <td>8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">S/MMBTU <u>Dereg</u></td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> </tbody> </table>						(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 <u>Dereg</u>	-----	-----	-----
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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. Name <u>Albert H. Mathena Jr.</u> Signature <u>5-20-82</u> Date Application is Completed																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Agency Use Only</td> </tr> <tr> <td>Date Received by Juris. Agency <u>JUN 3 1982</u></td> </tr> <tr> <td>Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency <u>JUN 3 1982</u>	Date Received by FERC	_____ Title <u>(304) 346-0951</u> Phone Number															
Agency Use Only																			
Date Received by Juris. Agency <u>JUN 3 1982</u>																			
Date Received by FERC																			

*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. 806393

API Well No.

47 - 099 - 00600
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 797.01
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: 9-17-1948

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.

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.

11/17/2023

(NOTARIAL SEAL)

Larry G Burdette
Notary Public

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

Date 5-20, 1982

Operator's Well No. 806393
API Well No. 47 - 099 - 00600
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.) 107 DU Section of NGPA _____ Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Director,
Production Engineering

Albert H. Mathena, Jr. Name (Print)
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

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

(Certificate of Proof of Service to Purchaser)

A copy of this filing is being retained by Columbia Gas Transmission Corporation, owner and operator of the identified well.

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request, for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1978. (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is. is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

JUN 3 - 1982
JUN 9 - 1982

Date received by Jurisdictional Agency _____

Director
By _____
Title _____

11/17/2023

COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 806393

SUPPLEMENT:

METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

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

WHERE:

PBH = BOTTOM HOLE PRESSURE (PSIA)

PWH = WELLHEAD PRESSURE (PSIA)

$$= 354.7$$

G = SPECIFIC GRAVITY OF GAS

$$= 0.7170$$

L = DEPTH TO MIDDLE OF PERFORATIONS (FT.) = 2910

STEPS:

$$PBH = 354.7 + 354.7 (E**0.0000347*2086.470 - 1.)$$

$$PBH = 354.7 + 354.7 (E**0.072401 - 1.)$$

$$PBH = 354.7 + 354.7 (1.07509 - 1.)$$

$$PBH = 354.7 + 354.7 (0.075)$$

$$PBH = 354.7 + 26.6$$

$$PBH = 381.3 \quad (PSIA)$$

11/17/2023

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.



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

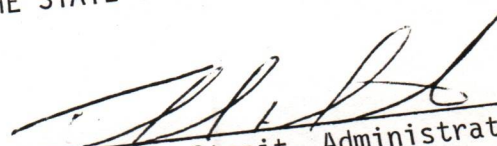
NOW, therefore, based on the aforementioned Findings of Fact and Conclusion of Law, it is found by the Administrator that Columbia Gas Transmission Corporation's applications for classification under Section 107 of the Natural Gas Policy Act for certain wells in Boone, Cabell, Jackson, Kanawha, Lincoln, 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: 
Theodore M. Streit, Administrator

11/17/2023

11/17/2023