



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.

See Way-659 for tracing

_____	F. H. Yates, Estate
COAL OPERATOR OR COAL OWNER	NAME OF WELL OPERATOR
_____	by E. K. Dunham - 1037 Madison Avenue
ADDRESS	Huntington, W. Va.
_____	COMPLETE ADDRESS
COAL OPERATOR OR COAL OWNER	January 26, _____, 19 49
ADDRESS	PROPOSED LOCATION
OWNER OF MINERAL RIGHTS	Lincoln _____ District
ADDRESS	Wayne _____ County
_____	Well No. 4 ^{37° 55'} _{82° 20'}
_____	Arnett Heirs _____ Farm

GENTLEMEN: *No permit issued - Drilled without permit*

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 _____, made by _____, to _____, and recorded on the _____ day of _____, 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 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 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,

_____	WELL OPERATOR
_____	STREET
_____	CITY OR TOWN
_____	STATE

Address of Well Operator }

11/17/2023



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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Naugatuck

WAY-659 - FOR TRACING

WELL RECORD

Permit No. *Way-662*

Oil or Gas Well *Oil*
(KIND)

Company *J. H. Gates Estate*
 Address *2 Nat Bank Ashland Ky*
 Farm *Arnett Farm* Acres *2.28*
 Location (waters) *Anderson Branch*
 Well No. *4* Elev. *720'*
 District *Lincoln* County *Wayne*
 The surface of tract is owned in fee by *Roscoe Gustice*
 Address *Resmit 21 Va*
 Mineral rights are owned by *Francis Corn*
 Address *Prum 21 Va*
 Drilling commenced *May 26 - 40*
 Drilling completed *July 13 49*
 Date Shot *July 20* From *946* To *926*
 With *40 gals*

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4	<i>85</i>	<i>85</i>	
6 5/8	<i>800</i>	<i>800</i>	Depth set
5 3/16			
3			Perf. top
2	<i>960</i>	<i>960</i>	Perf. bottom
Liners Used	<i>Pumpjacking Oil.</i>		Perf. top
			Perf. bottom

Open Flow *8* /10ths Water in *2 inch* Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil *Two - 2* bbls., 1st 24 hrs.
 Fresh water *40 ft* feet _____ feet
 Salt water *no* feet _____ feet

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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
<i>Clay</i>	<i>yellow</i>	<i>Soft</i>		<i>11</i>			
<i>Sand</i>	<i>White</i>	<i>"</i>	<i>11</i>	<i>75</i>			
<i>Slate</i>	<i>Black</i>	<i>"</i>	<i>75</i>	<i>100</i>			
<i>Slate + Shells</i>			<i>100</i>	<i>175</i>			
<i>Sand</i>	<i>White</i>	<i>Hard</i>	<i>175</i>	<i>200</i>			
<i>Slate + Shells</i>	<i>W. B</i>		<i>200</i>	<i>295</i>			
<i>Sand</i>	<i>White</i>	<i>Hard</i>	<i>295</i>	<i>335</i>			
<i>Slate</i>	<i>Black</i>	<i>Soft</i>	<i>335</i>	<i>345</i>			
<i>Sand</i>	<i>White</i>	<i>"</i>	<i>345</i>	<i>355</i>			
<i>Slate</i>	<i>"</i>	<i>"</i>	<i>355</i>	<i>510</i>			
<i>Sand</i>	<i>"</i>	<i>Hard</i>	<i>510</i>	<i>685</i>			
<i>Broken Sand</i>	<i>"</i>	<i>Soft</i>	<i>685</i>	<i>700</i>			
<i>Sand</i>	<i>"</i>	<i>Hard</i>	<i>700</i>	<i>789</i>			
<i>Slate</i>	<i>"</i>	<i>Soft</i>	<i>789</i>	<i>880</i>			
<i>Sand</i>	<i>White</i>	<i>Hard</i>	<i>880</i>	<i>960</i>	<i>Gas</i>	<i>935-40</i>	<i>2 1/2 lbs</i>
<i>Slate</i>	<i>Black</i>	<i>Soft</i>	<i>960 - total</i>	<i>Depth 962 ft</i>	<i>Oil</i>	<i>940-50</i>	



*No Plugging Permit
Make 16 inch of oil a
week in 100 lb. tanks*

11/17/2023

UNITED FUEL GAS CO.
COMPANY

SERIAL WELL NO. 6420

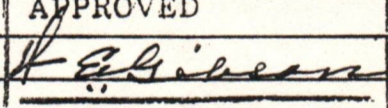
LEASE NO. 24689

MAP SQUARE 22-41

RECORD OF WELL NO. <u>6420</u> on the <u>U.F.G.Co.MIN.TR.#1</u> farm of <u>38448.03</u> Acres in <u>Grant</u> District <u>Wayne</u> County State of: <u>West Virginia</u> Field: <u>Branchland</u> Rig Commenced <u>September 21</u> 194 <u>8</u> Rig Completed <u>October 2</u> 194 <u>8</u> Drilling Commenced <u>October 13</u> 194 <u>8</u> Drilling Completed <u>March 2</u> 194 <u>9</u> Drilling to cost <u>\$2.75</u> per foot Contractor is: <u>W. E. Samples</u> Address: <u>Dunbar, W.Va.</u>	CASING AND TUBING <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SIZE</th> <th>WEIGHT</th> <th>USED IN DRILLING</th> <th>LEFT IN WELL</th> </tr> <tr> <td><u>10"</u></td> <td><u>32.75#</u></td> <td><u>18-</u></td> <td><u>18-</u></td> </tr> <tr> <td><u>8-1/4"</u></td> <td><u>24#</u></td> <td><u>463-9</u></td> <td><u>463-9</u></td> </tr> <tr> <td><u>6-5/8"</u></td> <td><u>20#</u></td> <td><u>1522-3</u></td> <td><u>1522-3</u></td> </tr> <tr> <td><u>5-3/16"</u></td> <td><u>14#</u></td> <td><u>1713-7</u></td> <td><u>None</u></td> </tr> <tr> <td><u>3"</u></td> <td><u>9.20#</u></td> <td><u>3185-1</u></td> <td><u>3185-1</u></td> </tr> </table>	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	<u>10"</u>	<u>32.75#</u>	<u>18-</u>	<u>18-</u>	<u>8-1/4"</u>	<u>24#</u>	<u>463-9</u>	<u>463-9</u>	<u>6-5/8"</u>	<u>20#</u>	<u>1522-3</u>	<u>1522-3</u>	<u>5-3/16"</u>	<u>14#</u>	<u>1713-7</u>	<u>None</u>	<u>3"</u>	<u>9.20#</u>	<u>3185-1</u>	<u>3185-1</u>	TEST BEFORE SHOT 1st- <u>2</u> /10 of Water in <u>2</u> inch 2nd- <u>0</u> /10 of Water in <u>1</u> inch 1st- <u>60</u> MCF Volume- 2nd- <u>0</u> MCF Cu. ft. TEST AFTER SHOT 1st- <u>50</u> /10 of Water in <u>2</u> inch 2nd- <u>2</u> /10 of Water in <u>2</u> inch 1st- <u>298</u> MCF Volume- 2nd- <u>60</u> MCF Cu. ft. <u>48</u> Hours After Shot Rock Pressure <u>SHALE-375</u> <u>IN TON-467</u> Date Shot 1st- <u>1/5/49</u> 2nd- <u>3/3/49</u> 1st- <u>500</u> lbs Size of Torpedo 2nd- <u>6875#</u>
SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL																							
<u>10"</u>	<u>32.75#</u>	<u>18-</u>	<u>18-</u>																							
<u>8-1/4"</u>	<u>24#</u>	<u>463-9</u>	<u>463-9</u>																							
<u>6-5/8"</u>	<u>20#</u>	<u>1522-3</u>	<u>1522-3</u>																							
<u>5-3/16"</u>	<u>14#</u>	<u>1713-7</u>	<u>None</u>																							
<u>3"</u>	<u>9.20#</u>	<u>3185-1</u>	<u>3185-1</u>																							
SHUT IN Date <u>March 8, 1949</u>		Oil Flowed.....bbls. 1st 24 hrs Oil Pumped.....bbls. 1st 24 hrs																								
Driller's Name <u>Frank Wheeler</u> <u>H. Fraley</u>	Tubing or <u>3" in.</u> Size of Packer <u>3" X 5-3/16" X 16"</u> Kind of Packer <u>Hook Wall</u>	Well abandoned and Plugged 194																								
Elevation: <u>1029.75</u>	1st. Perf. Set. <u>3172</u> from <u>3185</u> 2nd Perf. Set. <u>2199</u> from <u>2224</u>																									

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	18	18	
Sand	18	60	42	
Slate	60	85	25	
Sand	85	100	15	
Slate	100	115	15	
Sand	115	126	11	
Coal	126	131	5	
Slate	131	141	10	
Sand	141	150	9	
Coal	150	153	3	
Slate	153	190	37	
Sand	190	210	20	
Slate	210	245	35	
Sand	245	255	10	
Slate	255	375	120	
Sand	375	415	40	
Coal	415	418	3	

APPROVED


11/17/2023

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	418	462	44	
Sand	462	473	11	
Slate	473	555	82	
Black Lime	555	578	23	
Slate	578	598	20	
Black Lime	598	605	7	
Slate Shells	605	797	192	
Gas Sand	797	955	158	
Slate	955	1000	45	
Salt Sand	1000	1220	220	Hole full water at 1030'
Slate Break	1220	1228	8	
Salt Sand	1228	1343	115	
Slate	1343	1356	13	
Little Lime	1356	1383	27	
Slate	1383	1385	2	
Big Lime	1385	1580	195	
Red Rock	1580	1603	23	
Slate	1603	1605	2	
Injun Sand	1605	1650	45	Gas 1617' - 10/10 W-2"
Slate	1650	1653	3	Gas 1627' - 26/10 W-2"
Black Lime	1653	1730	77	Gas 1650' - 20/10 W-2"
Slate Shells	1730	2155	425	12 hours later 20/10 W-2"
Brown Shale	2155	2169	14	
Berea Grit	2169	2199	30	
Slate Shells	2199	2845	646	
Brown Shale	2845	2880	35	
White Slate	2880	2935	55	
Brown Shale	2935	3179	244	Gas show at 2973'
White Slate	3179	3186	7	Gas show at 3117'
				No gas when drilling completed.
Total Depth	3186			Gas Gauge 1 hour after shot 30/10 W-2"

APPROVED
H. Gibson

Devonian Shale - 2199' to 3186'
 Total Shale - 987'

no sand logged
 no electric log
 Mary S. Friend
 Geologist

11/17/2023

January 5, 19 49

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

Well No. 6420 (Serial No.) on U.F.G.Co.Min.Tr.#1 Farm

Was shot this date with 500# Detonite quarts

Number of Shells 10 Shells

Length of Shells 5"x65"

Top of Shot Injun Sand - 1605'

Bottom of Shot Injun Sand - 1650'

Top of Injun Sand 1605' feet (Name of Sand)

Bottom of Injun Sand 1650' feet (Name of Sand)

Total Depth of Well ~~3186~~ 3186'

Results: before shot 2/10 W-2" (60 MCF) after shot 50/10 W-2" (298 MCF)

Remarks:

Signed J. Edinson District Supt.

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

March 8, 19 49

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

Well No. 6420 (Serial No.) on U.F.C.CO.Min. Tr. #1 Farm

Was shot this date with 6575# Hercules Gelatin quarts

Number of Shells 106 Shells

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

Top of Shot 2169'

Bottom of Shot 3186'

Top of Berea Sand 2169' feet
(Name of Sand)

Bottom of White Slate Sand 3186' feet
(Name of Sand)

Total Depth of Well 3186'

Results: before shot- no gas
after shot- 2/10 W-2" (60 MCF)

Remarks:

Signed H. E. Peterson 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:

S881 E I MUL

11/17/2023

FERC-121

<p>1.0 API well number. (If not assigned, leave blank 14 digits.)</p>	<p style="font-size: 1.2em;">- 47 - 099 - 00662</p>									
<p>2.0 Type of determination being sought (Use the codes found on the front of this form.)</p>	<p style="font-size: 1.2em;">101-DV</p> <p>Section of NGPA</p>	<p style="font-size: 1.2em;">—</p> <p>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;">3186</p> <p>feet</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>		<p style="font-size: 1.2em;">004030</p> <p>Seller Code</p>							
	<p>P. O. Box 1273</p> <p>Street</p>									
	<p>Charleston</p> <p>City</p>		<p>WV</p> <p>State</p>	<p>25325</p> <p>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="font-size: 1.2em;">WV FIELD AREA B</p> <p>Field Name</p>									
	<p style="font-size: 1.2em;">WAYNE</p> <p>County</p>		<p style="font-size: 1.2em;">WV</p> <p>State</p>							
<p>(b) For OCS wells</p>	<p style="font-size: 1.2em;">N/A</p> <p>Area Name</p>									
			<p>Block Number</p>							
	<p>Date of Lease</p> <p>Mo. Day Yr.</p>		<p>OCS Lease Number</p>							
<p>(c) Name and identification number of this well (35 letters and digits maximum.)</p>	<p style="font-size: 1.2em;">TCO MIN TR-1</p>		<p style="font-size: 1.2em;">806420</p>							
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)</p>	<p style="font-size: 1.2em;">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>*</p> <p>Name</p>		<p style="font-size: 1.2em;">004030</p> <p>Buyer Code</p>							
<p>(b) Date of the contract</p>	<p style="font-size: 1.2em;">Mo. Day Yr. *</p>									
<p>(c) Estimated total annual production from the well</p>	<p style="font-size: 1.2em;">27</p> <p>Million Cubic Feet</p>									
		(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) 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	Dereg	---	---	---					
<p>9.0 Person responsible for this application:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%; text-align: center;">Agency Use Only</td> <td></td> </tr> <tr> <td style="text-align: center;">Date Received by Juris. Agency</td> <td style="text-align: center;">JUN 11 1982</td> </tr> <tr> <td style="text-align: center;">Date Received by FERC</td> <td></td> </tr> </table>	Agency Use Only		Date Received by Juris. Agency	JUN 11 1982	Date Received by FERC		<p>Albert H. Mathena, Jr., Director, Production Eng.</p> <p>Name</p>			
Agency Use Only										
Date Received by Juris. Agency	JUN 11 1982									
Date Received by FERC										
	<p style="font-size: 1.2em;">Albert H. Mathena</p> <p>Signature</p>									
	<p style="font-size: 1.2em;">5-26-82</p> <p>Date Application is Completed</p>		<p style="font-size: 1.2em;">(304) 346-0951</p> <p>Phone Number</p>							

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

11/17/2023

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

Date 5-26-82

Operator's Well No. 806420

API Well No.

47 - 099 - 00662
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 1029.75
Watershed _____

Dist. GRANT County WAYNE Quad. WAYNE

Gas Purchase Contract No. N.A.

Meter Chart Code _____

Date of Contract N.A.

WELL OPERATOR Columbia Gas Trans. Corp.

ADDRESS P. O. Box 1273
Charleston, WV 25325

GAS PURCHASER N.A.

ADDRESS _____

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

Date surface drilling began: 10/13/48

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

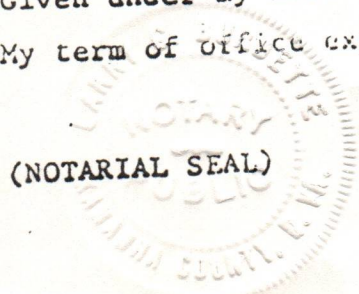
COUNTY OF KANAWHA, TO-WIT:

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 26 day of May, 1982, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 26 day of May, 1982.
My term of office expires on the 13 day of August, 1989.

11/17/2023

Larry G. Burdette
Notary Public



11/17/2023



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

Date 5-26, 19 82
Operator's Well No. 806420
API Well No. 47 - 099 - 00662
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.) Section of NGPA 107-DV Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

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

Albert H. Mathena, Jr. Director, Production Engineering
Name (Print) Title
Albert H. Mathena, Jr. Signature
P. O. Box 1273
Street or P. O. Box
Charleston WV 25325
City State (Zip Code)
304 346-0951
Area 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 11 1982

By [Signature] Director
Title _____
11/17/2023

Date received by _____
Jurisdictional Agency



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:  11/17/2023
Theodore M. Streit, Administrator

COLUMBIA GAS TRANSMISSION CORPORATION

WELL NO. 806420

SUPPLEMENT:

METHOD OF CALCULATION OF BOTTOM HOLE PRESSURE

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

WHERE:

PBH = BOTTOM HOLE PRESSURE (PSIA)

PMH = WELLHEAD PRESSURE (PSIA)

G = SPECIFIC GRAVITY OF GAS

L = DEPTH TO MIDDLE OF PERFORATIONS (FT.)

= 359.7

= 0.7170

= 2678

STEPS:

$$PBH = 359.7 + 359.7 (E**0.0000347 * 1920.126 - 1.)$$

$$PBH = 359.7 + 359.7 (E**0.066628 - 1.)$$

$$PBH = 359.7 + 359.7 (1.06890 - 1.)$$

$$PBH = 359.7 + 359.7 (0.069)$$

$$PBH = 359.7 + 24.8$$

$$PBH = 384.5 \quad (PSIA)$$

COLUMBIA AND INVESTIGATION COOPERATION

11/1/2000-10

11/1/2000-10

RECORD OF OPERATIONS OF SECTION FOR INVESTIGATION

11/1/2000-10

11/1/2000-10

11/1/2000-10

11/1/2000-10

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