



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

Nora B. Childers, Agt.
OWNER OF MINERAL RIGHTS

Lavalette, West Virginia
ADDRESS

United Fuel Gas Co.

NAME OF WELL OPERATOR
c/o G.H. Moore
P.O. Box 1273, Charleston 25, W. Va.

COMPLETE ADDRESS

January 7, 19 49

PROPOSED LOCATION

Union District

Wayne County

Well No. 6497 38.20
82.20

D. W. Childers 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 August 9, 1924, made by D. W. Childers, et ux, to Columbia Gas & Electric Co., and recorded on the 18th day of November, 1924, in the office of the County Clerk for said County in Book 6, page 269.

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,

United Fuel Gas Co.

WELL OPERATOR

c/o G. H. Moore

STREET

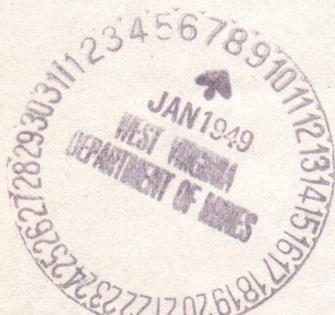
P. O. Box 1273, Charleston 25

CITY OR TOWN

West Virginia

STATE

Address of Well Operator }



11/17/2023

*Section 3 If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit 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.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			2214	2260			
Black Slate			2260	2345			(100' cavings in hole)
White Slate			2345	2760			
Gray Shale			2760	2850	Shale Gas	2850-2860	
Brown Shale			2850	2940			
White Slate			2940	2960			
Brown Shale			2960	3180	Shale Gas	2965-3000	10/10 W 1" 33 M
White Slate			3180	3204			
Total Depth			3204'				
							Test before shot 10/10 W 1" 33 M Shot 7-26-49 with 2866-2/3# Gel. 2759-3191'
							Test after shot 12/10 W 2" 146 M
							OPEN FLOW - 146 M - Shale 48 Hr. R.P. 330#
							Shut in 7-27-49 in 5-3/16" Casing.

11/17/2023

Date August 16, 19 49

APPROVED United Fuel Gas Co., Own

By *JH Moore*
Chief Engineer (Title) R



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Log and det

WELL RECORD

Permit No. WAY-647

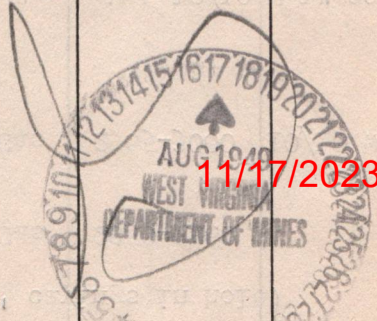
Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Co.
Address P. O. Box 1273, Charleston 25, W. Va.
Farm D. W. Childers Acres 92
Location (waters) Booten Br. of Miller Fk.
Well No. 6497 Elev. 680.85
District Union County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Nora B. Childers, Agt.
Lavalette Address W. Va.
Drilling commenced 4-27-49
Drilling completed 7-23-49
Date Shot 7-26-49 From 2759 To 3191
With 2866-2/3# Gal.
Open Flow 12/10ths Water in 2" Inch
_____/10ths Merc. in _____ Inch
Volume 146 M - Shale Cu. Ft.
Rock Pressure 330 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	30	30	Size of
8 1/4	225	225	
6 3/8	1366	1366	Depth set
5 3/16	1703	1703	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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
Surface			0	13			
Sand			13	40			
Slate			40	50			
Red Rock			50	55			
Slate			55	130			
Sand			130	142			
Slate			142	148			
Sand			148	163			
Slate			163	198			
Sand			198	217			
Slate			217	265			
Sand			265	284			
Slate			284	335			
Sand			335	355			
Slate			355	440			
Sand			440	500			
Slate			500	515			
Sand			515	685			
Slate			685	740			
Sand			740	765			
Slate			765	810			
Sand			810	825			
Slate			825	840			
Slate & Shells			840	950			
Sand			950	990			
Slate			990	992			
Salt Sand			992	1115			
Slate			1115	1165			
Maxon Sand			1165	1272			
Slate & Shells			1272	1363			
Big Lime			1363	1555			
Injun Sand			1555	1596			
Sandy Shale			1596	1700			
Lime Shell			1700	1718			
Slate			1718	2090			
Lime Shell			2090	2110			
Slate			2110	2179			
Coffee Shale			2179	2199			
Berea Sand			2199	2214			



UNITED FUEL GAS COMPANY
COMPANY

SERIAL WELL NO. 6497

LEASE NO. 24529

MAP SQUARE 22-53

RECORD OF WELL NO. <u>6497</u> on the	CASING AND TUBING				TEST BEFORE SHOT
D. W. Childers farm of <u>92</u> Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	<u>10</u> /10 of Water in <u>1</u> in
in <u>Union</u> District	<u>10"</u>	<u>32.75#</u>	<u>30'6"</u>	<u>30'6"</u>	/10 of Merc. in _____ in
<u>Wayne</u> County	<u>8-1/4"</u>	<u>24#</u>	<u>225'7"</u>	<u>225'7"</u>	Volume <u>33.33</u> MCF Cu.
State of: <u>West Virginia</u>	<u>6-5/8"</u>	<u>20#</u>	<u>1374'2"</u>	<u>1374'2"</u>	TEST AFTER SHOT
Field: <u>Branchland</u>	<u>5-3/16"</u>	<u>14#</u>	<u>1716'6"</u>	<u>1716'6"</u>	<u>12</u> /10 of Water in <u>2</u> in
Rig Commenced <u>April 18</u> 1949					/10 of Merc. in _____ in
Rig Completed <u>April 23</u> 1949					Volume <u>146</u> MCF Cu.
Drilling Commenced <u>April 27</u> 1949					<u>48</u> Hours After Shot
Drilling Completed <u>July 23</u> 1949					Rock Pressure <u>330</u> psi
Drilling to cost <u>\$2.75</u> per foot					Date Shot <u>July 26, 1949</u>
Contractor is: <u>E. L. Lusher</u>					Size of Torpedo <u>2866-P/30</u>
Address: <u>Kenova, W. Va.</u>	SHUT IN				Oil Flowed _____ bbls. 1st 24 hr
<u>RFD #1</u>	Date <u>July 27, 1949</u>				Oil Pumped _____ bbls. 1st 24 hr
Driller's Name <u>E. L. Lusher</u>	<u>5-3/16"</u>		<u>40'6"</u>	<u>40'6"</u>	Well abandoned and
<u>W. C. Mills</u>	Size of Packer <u>5-3/16" X 6-5/8"</u>				Plugged _____ 194
	Kind of Packer <u>Bottom Hole</u>				
	1st Perf. Set <u>None</u> from _____				
Elevation: <u>612.99</u>	2nd Perf. Set _____ from _____				

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	13	13	
Sand	13	40	27	
Slate	40	50	10	
Red Rock	50	55	5	
Slate	55	130	75	
Sand	130	142	12	
Slate	142	148	6	
Sand	148	163	15	
Slate	163	198	35	
Sand	198	217	19	
Slate	217	265	48	
Sand	265	284	19	
Slate	284	335	51	
Sand	335	355	20	
Slate	355	440	85	
Sand	440	500	60	
Slate	500	515	15	

APPROVED
E. L. Lusher

11/17/2023

SERIAL WELL NO. 6497

LEASE NO. 24528

MAP SQUARE 22-53

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand	515	685	170	
Slate	685	740	55	
Sand	740	765	25	
Slate	765	810	45	
Sand	810	825	15	
Slate	825	840	15	
Slate & Shells	840	950	110	
Sand	950	990	40	
Slate	990	992	2	
Salt Sand	992	1115	123	
Slate	1115	1165	50	
Maxon Sand	1165	1272	107	
Slate & Shells	1272	1363	91	
Big Lime	1363	1555	192	7" OD Casing Point 1366'
Injun Sand	1555	1596	41	
Sandy Shale	1596	1700	104	
Lime Shell	1700	1718	18	6-3/16" Casing Point 1703'
Slate	1718	2090	372	
Lime Shell	2090	2110	20	
Slate	2110	2179	69	
Coffee Shale	2179	2199	20	
Berea Sand	2199	2214	15	
Slate & Shells	2214	2260	46	
Black Slate	2260	2345	85	
White Slate	2345	2760	415	
Gray Shale	2760	2850	90	Gas at 2850 to 2860'
Brown Shale	2850	2940	90	
White Slate	2940	2960	20	
Brown Shale	2960	3180	220	Gas at 2965 to 3000'
White Slate	3180	3204	24	10/10 W-1" When Drilling Completed.
Total Depth	3204			

RECEIVED
MAY 8 1949
DIVISION Supt.

APPROVED
[Signature]

Devonian Shale - 2214' to 3204'
Total Shale - 990'

no sand logged
no electric log

Mary S. Friend
Geologist

11/17/2023

July 26

19 49

Mr. J. R. Russey, Div. Supt.

Well No. 6497 (Serial No.) on D. W. Childers Farm

Was shot this date with 2866-2/3# Gelatin quarts

Number of Shells 43 shells

Length of Shells 4-1/4" X 10-1/2"

Top of Shot 2759'

Bottom of Shot 3204'

Top of Gray Shale Sand 2759' feet
(Name of Sand)

Bottom of Brown Shale Sand 3204' feet
(Name of Sand)

Total Depth of Well 3204'

Results: before shot- 10/10 W-1W (33.33 MCF)

after shot- 12/10 W-2W (146 MCF)

Remarks:

DIVISION 41

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

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. 806497

API Well No.

47 - 099 - 00647
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 680.85'
Watershed _____

WELL OPERATOR Columbia Gas Trans. Corp.

ADDRESS P. O. Box 1273
Charleston, WV 25325

Dist. Union 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: 4-27-1949

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, 19 82, 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, 19 82.
My term of office expires on the 13 day of August, 19 89.

Larry G Burdette
Notary Public

(NOTARIAL SEAL.)

Way-647



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