



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES,
 Charleston, W. Va.

None
 COAL OPERATOR OR ~~COAL OWNER~~

ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

United Fuel Gas Co.
 OWNER OF MINERAL RIGHTS

P. O. Box 1273
Charleston 25, 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 20, 1949
 PROPOSED LOCATION

Grant District

Wayne County

Well No. 6494 38° 10'
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 ~~lease~~ ^{deed} lease dated December 26, 1946, made by Huntington Dev. & Gas Co., to United Fuel Gas Co., and recorded on the 27th day of December, 1946, in the office of the County Clerk for said County in Book 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.

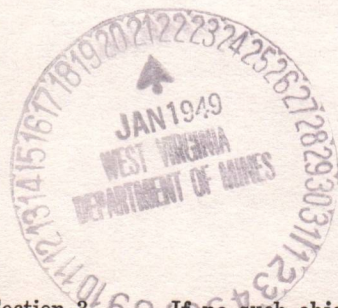
The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting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

c/o G. H. Moore
 STREET

P. O. Box 1273, Charleston 25,
 CITY OR TOWN 11/17/2023

West Virginia
 STATE

*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
Shale & Shells			2225	2280			
Sl. & Shs.			2280	2550			
Shale & Shells			2550	2687			
Slate			2687	2780	Gas in Shale	3037, 3115, 3131	6/10 W 1
Shale & Shells			2780	3229			26 M.
Slate			3229	3242			
Total Depth			3242'				
							Test before shot 4/10 W 1" 21 M.
							Shot 3-29-49 with 6400# Gel. 2431-3242
							Test after shot 4/10 W 2" 84 M.
							<u>OPEN FLOW - 84 M - Shale</u>
							48 Hr. R.P. 335#.
							Shut in 4-8-49 in 2" Tubing.

11/17/2023

Date May 9, 1949

APPROVED United Fuel Gas Company, Owner

By J.H. Moore
Chief Engineer (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. WAY-658

Oil or Gas Well Gas
(KIND)

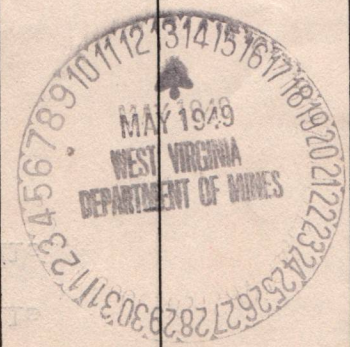
Company United Fuel Gas Company
Address P. O. Box 1273, Charleston 25, W. Va.
Farm U.F.G. Co. Min. Tr. # 1 Acres 38,448.03
Location (waters) Cove Br. of 12 Pole Creek
Well No. 6494 Elev. 846.79
District Grant County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
P. O. Box 1273, Address Chas. 25, W. Va.
Drilling commenced 12-31-48
Drilling completed 3-23-49
Date Shot 3-29-49 From 2431 To 3242
With 6400# Gel.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hookwall
13 3/8	12'	12'	
10	17'	17'	Size of
8 1/4	220'	220'	2"X6-5/8"X16"
6 5/8	1468	1468	Depth set 2077'
5 3/16			
3			Perf. top
2 Tubing		3060	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow 4 /10ths Water in 2" Inch
 /10ths Merc. in Inch
Volume 84 M - Shale Cu. Ft.
Rock Pressure 335 lbs. 48 hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water 805, 835 feet feet

CASING CEMENTED SIZE No. Ft. Date
COAL WAS ENCOUNTERED AT 30 FEET 48 INCHES
102 FEET 48 INCHES 170 FEET 60 INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	12			
Gravel			12	13			
Sand			13	15			
Slate			15	30			
Coal			30	34			
Slate			34	60			
Sand			60	92			
Slate			92	102			
Coal			102	106			
Sand			106	170			
Coal			170	175			
Slate			175	188			
Sand			188	210			
Slate			210	273			
Sand			273	310			
Slate			310	435			
Sand			435	487			
Sl. & Shs.			487	555			
Sand			555	640			
Sl. & Shs.			640	757	Salt Water	805'	2 B.P.H.
Salt Sand			757	925	Water	835'	Hole full
Slate			925	935			
Sand			935	1046			
Slate			1046	1056			
Lime			1056	1070			
Slate			1070	1075			
Maxon Sand			1075	1115			
Slate			1115	1120			
Sand			1120	1312			
Little Lime			1312	1339			
Slate			1339	1341	Gas	1412-1417/2023	in B.Lim
Big Lime			1341	1555			
Red Injun			1555	1568	Water in Injun	1 gal. per hr.	
Gray Injun			1568	1618			
Sl. & Shs.			1618	2130			
Shale			2130	2152	Gas	2164'	Show in Berea
Berea Grit			2152	2175			
Sl. & Shs.			2175	2225			



UNITED FUEL GAS COMPANY
COMPANY

SERIAL WELL NO. 6494

LEASE NO. Ref: 24689

MAP SQUARE 26-41

RECORD OF WELL NO. <u>6494</u> on the	CASING AND TUBING				TEST BEFORE SHOT
U.F.C.Co.Mine Tr. #1 farm of <u>38448.03</u> Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	<u>4</u> /10 of Water in <u>1</u> inch
in <u>Grant</u> District	<u>13-3/8"</u>	<u>48#</u>	<u>12-9</u>	<u>12-9</u>	/10 of Merc. in <u> </u> inch
<u>Wayne</u> County	<u>10"</u>	<u>32.75#</u>	<u>17-9"</u>	<u>17-9"</u>	Volume <u>21.06</u> MCu. ft
State of: <u>West Virginia</u>	<u>8-1/4"</u>	<u>24#</u>	<u>220-8"</u>	<u>220-8"</u>	TEST AFTER SHOT
Field: <u>Branchland</u>	<u>6-5/8"</u>	<u>20#</u>	<u>1484-6"</u>	<u>1484-6"</u>	<u>4</u> /10 of Water in <u>2</u> inch
Rig Commenced <u>By Contractor</u> 194	<u>2"</u>	<u>4#</u>	<u>3060-4"</u>	<u>3060-4"</u>	/10 of Merc. in <u> </u> inch
Rig Completed <u>By Contractor</u> 194					Volume <u>84</u> MCu. ft
Drilling Commenced <u>Dec. 31</u> 194 <u>8</u>					<u>48</u> Hours After Shot
Drilling Completed <u>March 23</u> 194 <u>8</u>					Rock Pressure <u>335#</u>
Drilling to cost <u>\$2.75</u> per foot					Date Shot <u>3-29-49</u>
Contractor is: <u>Yoak Brothers</u>					Size of Torpedo <u>6400#</u>
Address: <u>Charleston, W. Va.</u>	SHUT IN				Oil Flowed <u> </u> bbls. 1st 24 hrs
					Oil Pumped <u> </u> bbls. 1st 24 hrs
Driller's Name <u>Alva Yoak</u>	<u>2"</u> in.			Tubing or <u>Black</u>	
<u>O. L. Yoak</u>				Size of Packer <u>2" X 6-5/8" X 16"</u>	Well abandoned and
				Kind of Packer <u>Hook Wall</u>	Plugged <u> </u> 194 <u> </u>
				1st. Perf. Set <u>3039</u> from <u>3060</u>	
Elevation: <u>846.79</u>				2nd Perf. Set <u>2666</u> from <u>2687</u>	

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil	0	12	12	
Gravel	12	13	1	<u>13" Drive Pipe- 12-9"</u>
Sand	13	15	2	
Slate	15	30	15	
Coal	30	34	4	<u>10" casing- 17-9"</u>
Slate	34	60	26	
Sand	60	92	32	
Slate	92	102	10	
Coal	102	106	4	
Sand	106	170	64	
Coal	170	175	5	
Slate	175	188	13	
Sand	188	210	22	
Slate	210	273	63	<u>8-1/4" casing 220-8"</u>
Sand	273	310	37	
Slate	310	435	165 125	
Sand	435	487	52	

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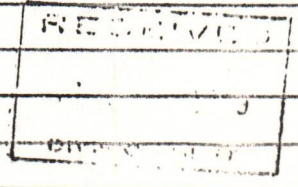
SERIAL WELL NO. 6494

LEASE NO. Ref: 24689

MAP SQUARE 26-4:1

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate & Shells	487	555	68	
Sand	555	640	85	
Slate & Shells	640	757	117	
Salt Sand	757	925	168	Salt water at 805' - 2 bailers per hour
Slate	925	935	10	Hole full water at 835'
Sand	935	1046	111	
Slate	1046	1056	10	
Lime	1056	1070	14	
Slate	1070	1075	5	
Maxon Sand	1075	1115	40	
Slate	1115	1120	5	
Sand	1120	1312	192	
Little Lime	1312	1339	27	
Slate	1339	1341	2	
Big Lime	1341	1555	214	Show of gas at 1412' to 1414'
Red Injun	1555	1568	13	6-5/8" casing point 1468'
Gray Injun	1568	1618	50	
Slate & Shells	1618	2130	512	
Shale	2130	2152	22	
Berea Grit	2152	2175	23	Show of gas at 2164'
Slate & Shells	2175	2225	50	
Shale & Shells	2225	2280	55	
Slate & Shells	2280	2550	270	Show of gas at 3037'
Shale & Shells	2550	2687	137	Show of gas at 3115'
Slate	2687	2780	93	Show of gas at 3131'
Shale & Shells	2780	3229	449	Gas 6/10 W-1" when drilling completed
Slate	3229	3242	13	240' of cavings in hole after shot.
Total Depth	3242			



H. E. ...

Devonian Shale - 2175' to 3242'
 Total Shale - 1067'
 no sand logged
 no electric log

Mary S. Friend
 Geologist

11/17/2023

March 29, 1949 19

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

Well No. 6404 (Serial No.) on U.F.G.CO. Min. Tr. #1 Farm

Was shot this date with 6400# gelatin quarts

Number of Shells 96 Shells

Length of Shells 4 1/2 x 10 1/2

Top of Shot 2431'

Bottom of Shot 3242'

Top of Slate & Shells Sand 2431' feet
(Name of Sand)

Bottom of Shale & Shells Sand 3242' feet
(Name of Sand)

Total Depth of Well 3242'

Results: before shot - 4/10 W-1" (21.06 MCF)
after shot - 4/10 W-2" (84 MCF)

Remarks: _____

Signed [Signature] 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:

E881 - 1000

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 846.79'
Watershed _____

Dist. Stonewall County Wayne Quad. _____

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: 12-31-1948

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.

11/17/2023

Given under my hand and official seal this 20 day of May, 1982.
My term of office expires on the 13 day of August, 1989.

(NOTARIAL SEAL)

Larry G Burdette
Notary Public



Wayne-656

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.

11/17/2023

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