



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coffee Shale			2155	2175			
Break Sand			2175	2200			
Sl. & Shs.			2200	2660	Gas	2660'	Show
Gray Shale			2660	2820			
Br. Shale			2820	3164	Shale Gas	3040'	4/10 W 1" 21 M
White Slate			3164	3375			
Br. Shale			3375	3429			
Total Depth			3429'				Not enough gas to test before shot. Shot 3-15-49 with 9000# EP 118 from 2508-3439'. Test after shot 13/10 W 2" 152 M.
							OPEN FLOW - 152 M - Shale
							48 Hr. R.P. 360# Tubing 200# Casing
							Shut in 3-26-49 in 2" Tubing.

11/17/2023

Date May 9, 19 49

APPROVED United Fuel Gas Co., Owner

By J. Moore  
Chief Engineer (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Yugardot*

WELL RECORD

Oil or Gas Well Gas  
(KIND)

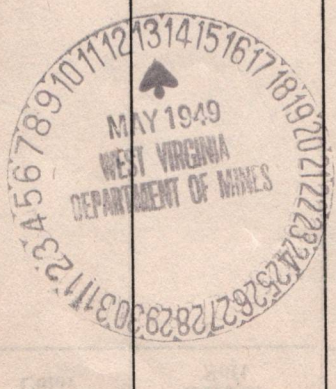
Permit No. WAY-645

Company United Fuel Gas Co.  
Address P. O. Box 1273, Charleston 25, W. Va.  
Farm Ella Carson Acres 48  
Location (waters) Booten Br. of Miller Fk.  
Well No. 6495 Elev. 635.95  
District Union County Wayne  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Edith Booten  
Route 1, Address Lavalette, W. Va.  
Drilling commenced 1-14-49  
Drilling completed 3-5-49  
Date Shot 3-15-49 From 2508 To 3439  
With 9000 # EP 118  
Open Flow 13/10ths Water in 2" Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 152 M - Shale Cu. Ft.  
Rock Pressure 360 Tubing, 200 Csg. 48 lbs. hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 512, 525 feet feet  
Salt water 1050, 1638, 1650 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hookwall
18			
10	38	38	Size of
8 1/4 8-5/8	514	514	2"X6-5/8" X 16"
6 5/8	1655	1655	Depth set 2236
5 3/16			
3			Perf. top
2 Tubing		3431	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	38			
Slate			38	120			
Sand			120	155			
Slate			155	180			
Sand			180	200			
Slate			200	235			
Red Rock			235	245			
Fire Clay			245	250			
Red Mud			250	260			
Slate			260	295			
Sand			295	300			
Slate			300	465			
Sand			465	512	Water	512'	3 B. P. H.
Slate			512	570	Water	525'	1 B. P. H.
Sand			570	600			
Slate			600	620			
Sand			620	670			
Slate			670	750			
Sand			750	790			
Slate			790	960	Water	1050'	Hole Full
Salt Sand			960	1100			
Shells			1100	1126			
Maxon Sand			1126	1260			
Sl. & Shs.			1260	1310			
Red Rock			1310	1315			
Sl. & Shs.			1315	1344			
Little Lime			1344	1365			
Big Lime			1365	1540			
Keener Sand			1540	1572			
Slate			1572	1610			
Injun Sand			1610	1635			
Slate			1635	1638	Water	1638-1650'	
Water Sand			1638	1650			
Slate			1650	1652			
Lime			1652	1673			
Slate			1673	2075			
Lime Shells			2075	2100			
Slate			2100	2155			



11/17/2023

**UNITED FUEL GAS COMPANY**  
COMPANY

SERIAL WELL NO. 6495

LEASE NO. 40473

MAP SQUARE 22-53

RECORD OF WELL NO. <u>6495</u> on the	CASING AND TUBING				TEST BEFORE SHOT
<u>Ella Carson</u> farm of <u>48</u> Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	0 /10 of Water in <u>1</u> inch
in <u>Union</u> District	<u>10"</u>	<u>32.75#</u>	<u>3810"</u>	<u>3810"</u>	/10 of Merc. in _____ inch
<u>Wayne</u> County	<u>8-5/8"</u>	<u>25.55#</u>	<u>51412"</u>	<u>51412"</u>	Volume <u>0</u> Cu. ft
State of: <u>West Virginia</u>	<u>6-5/8"</u>	<u>20#</u>	<u>167317"</u>	<u>167317"</u>	TEST AFTER SHOT
Field: <u>Branchland</u>	<u>2"</u>	<u>4#</u>	<u>343116"</u>	<u>343116"</u>	12 /10 of Water in <u>2</u> inch
Rig Commenced <u>January 7</u> 194 <u>9</u>					/10 of Merc. in _____ inch
Rig Completed <u>January 14</u> 194 <u>9</u>					Volume <u>152 MCF</u> Cu. ft
Drilling Commenced <u>18 January 14</u> 194 <u>9</u>					<u>48</u> Hours After Sho
Drilling Completed <u>March 5</u> 194 <u>9</u>					Rock Pressure <u>Tubing = 360#</u> <u>Casing = 300#</u>
Drilling to cost <u>\$2.75</u> per foot					Date Shot <u>3-15-49</u>
Contractor is: <u>E. L. Lusher</u>					Size of Torpedo <u>9000#</u>
Address: <u>Ceredo, W. Va.</u>	SHUT IN				Oil Flowed _____ bbls. 1st 24 hrs
	Date <u>3-26-49</u>				Oil Pumped _____ bbls. 1st 24 hrs
Driller's Name <u>E. L. Lusher</u>	<u>2</u> in. Tubing or <u> casing</u>				
<u>W. G. Mills</u>	Size of Packer <u>2" X 6-5/8" X 16"</u>				Well abandoned and
	Kind of Packer <u>Hookwall</u>				Plugged _____ 194
	1st. Perf. Set <u>3417</u> from <u>3439</u>				
Elevation: <u>564.97</u>	2nd Perf. Set _____ from _____				

**DRILLER'S RECORD**

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	38	38	
Slate	38	120	82	
Sand	120	155	35	
Slate	155	180	25	
Sand	180	200	20	
Slate	200	235	35	
Red Rock	235	245	10	
Fire Clay	245	250	5	
Red Mud	250	260	10	
Slate	260	295	35	
Sand	295	300	5	
Slate	300	465	165	
Sand	465	512	47	Water at 512' - 3 bailers per hour
Slate	512	570	58	Water at 525' - 1 bailer per hour
Sand	570	600	30	
Slate	600	620	20	
Sand	620	670	50	

APPROVED  
*[Signature]*

X

11/17/2023

SERIAL WELL NO. 6495

LEASE NO. 40473

MAP SQUARE 22-53

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	670	750	80	
Sand	750	790	40	
Slate	790	960	170	
Salt Sand	960	1100	140	Hole full water at 1050'
Shells	1100	1126	26	
Maxon Sand	1126	2260	134	
Slate & Shells	1260	1310	50	
Red Rock	1310	1315	5	
Slate & Shells	1315	1344	29	
Little Lime	1344	1365	21	
Big Lime	1365	1540	175	
Keener Sand	1540	1572	32	
Slate	1572	1610	38	
Injun Sand	1610	1635	25	
Slate	1635	1638	3	water at 1638 to 1650'
Water Sand	1638	1650	12	
Slate	1650	1652	2	
Lime Shell	1652	1673	21	
Slate	1673	2075	402	
Lime Shell	2075	2100	25	
Slate	2100	2155	55	
Coffee Shale	2155	2175	20	
Break Sand Berea	2175	2200	25	
Slate & Shells	2200	2660	460	
Gray Shale	2660	2820	160	Show of gas at 2660'
Brown Shale	2820	3164	344	Show of gas at 3040' - 4/10 W-1"
White Slate	3164	3375	211	Show of gas at 3090'
Brown Shale	3375	3429	54	
Total Depth	3429			

RECEIVED  
APR 25 1949  
DIVISION OF OIL

APPROVED  
*[Signature]*

Devonian Shale - 2200' to 3429'  
Total Shale - 1229'  
no sand logged  
Mary S. Friend  
Geologist  
no electric log

11/17/2023

March 15, 1949 19

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

Well No. 6495 (Serial No.) on Ella Gerson Farm

Was shot this date with 9000# EP 118 quarts

Number of Shells

Length of Shells 5"

Top of Shot 2508'

Bottom of Shot 3439'

Top of Gray Shale Sand 2508' feet  
(Name of Sand)

Bottom of Brown Shale Sand 3439' feet  
(Name of Sand)

Total Depth of Well 3439'

Results: before shot- 0/10 W-1"

after shot- 12/10 W-2" (152 MCF)

Remarks:

RECEIVED  
APR 1 1949  
DIVISION SUPT.

Signed H. E. G. 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> <u>(Mo. Day Yr.)</u>	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

11/17/2023





DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's  
Well No. 806495

API Well No.

47 - 099 - 00645  
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 632.83'  
Watershed \_\_\_\_\_

Dist. Union 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: 1-14-1949

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 - 645

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

WALTER N. MILLER  
DIRECTOR

THEODORE W. STREET  
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: 

Theodore M. Streit, Administrator

11/17/2023