

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.

Melvin G. Sperry
COAL OPERATOR OR COAL OWNER

Clarksburg, W. Va.
ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

OWNER OF MINERAL RIGHTS

ADDRESS

CUMBERLAND AND ALLEGHENY GAS COMPANY
NAME OF WELL OPERATOR

800 Union Trust Bldg., Pittsburgh, Pa.
COMPLETE ADDRESS

May 24th, 19 43
PROPOSED LOCATION

Banks District

Upshur County

Well No. 1 - 344 88° 50'
80° 15'

J. W. Riffle 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 June 15th, 1936, made by J W Riffle & Beulah M Riffle, his wife to Cumberland and Allegheny Gas Company, and recorded on the 27th day of June, 1936, in the office of the County Clerk for said County in Book 16-X, page 480.

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 this 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,
CUMBERLAND AND ALLEGHENY GAS COMPANY,
Harry H. Fowle
 Land Dept. WELL OPERATOR Office Mgr.
800 Union Trust Building
 STREET
Pittsburgh
 CITY OR TOWN
Pennsylvania
 STATE

Address of Well Operator }



11/24/2023

*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

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To The Department of Mines,
Charleston, W. Va.

CUMBERLAND AND ALLEGHENY GAS COMPANY
NAME OF WELL OPERATOR

Melvin G. Sperry
COAL OPERATOR OR COAL OWNER

800 Union Trust Bldg., Pittsburgh, Pa.
COMPLETE ADDRESS

Clarksburg, W. Va.
ADDRESS

May 24th, 1913
PROPOSED LOCATION

COAL OPERATOR OR COAL OWNER

Benks
District

ADDRESS

Upshur
County

OWNER OF MINERAL RIGHTS

Well No. 1 - 344
870201
901121

ADDRESS

J. W. Riffle
Farm

DEPARTMENT:
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 J. W. Riffle & Benjamin M. Riffle, his wife to Cumberland and Allegheny Gas Company, and recorded on the _____ day of _____, 1913, in the office of the County Clerk for said County in Book 16-X, page 180 of June, 1913.

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 Benks 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 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, this _____ day of _____, 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,
CUMBERLAND AND ALLEGHENY GAS COMPANY,
Land Dept. Office Mgr.
800 Union Trust Building
Pittsburgh
Pennsylvania

Address of Well Operator
11/24/2023

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, or said proposed location, the department shall forthwith issue to the well operator a drilling permit covering the line 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.

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.

Melvin G. Sperry
COAL OPERATOR OR COAL OWNER

CUMBERLAND AND ALLEGHENY GAS COMPANY
NAME OF WELL OPERATOR

Clarksburg, W. Va.
ADDRESS

800 Union Trust Bldg., Pittsburgh, Pa.
COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER

May 24th, 19 43
PROPOSED LOCATION

ADDRESS

Banks District

OWNER OF MINERAL RIGHTS

Upshur County

ADDRESS

Well No. 1 - 344

J. W. Riffle 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 June 15th, 1936, made by J W Riffle & Beulah M Riffle, his wife to Cumberland and Allegheny Gas Company, and recorded on the 27th day of June, 1936, in the office of the County Clerk for said County in Book 16-X, page 480.

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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 this 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,

CUMBERLAND AND ALLEGHENY GAS COMPANY,

Sam H. Jowles
Land Dept. WELL OPERATOR Office Mgr.

800 Union Trust Building
STREET

Pittsburgh
CITY OR TOWN

Pennsylvania
STATE

11/24/2023



*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

RECEIVED

AUG 24 1977

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE August 22, 1977

Surface Owner Mrs. Beulah Riffle Company Columbia Gas Transmission Corp.

Address 38 Norvell Dr., Buckhannon, W. Va. Address P.O. Box 1273, Charleston, W. Va.

Mineral Owner Same as above Farm J. W. Riffle Acres

Address Location (waters)

Coal Owner James Joseph LaRosa et al Well No. 344 Elevation 1748'

Address 420 Buckhannon Pike, Buckhannon, W. Va. District Banks County Upshur

Coal Operator Address 26201 Quadrangle

Address

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for fracturing. This permit shall expire if operations have not commenced by 12-24-77.

INSPECTOR TO BE NOTIFIED Mr. Bill Hatfield ADDRESS P.O. Box 385, Buckhannon, W. Va. 26201 PHONE 472-4268

[Signature]
Deputy Director - Oil & Gas Division

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 June 15, 1936 by J.W. & Beulah Riffle made to Cumberland & Allegheny Gas Co. and recorded on the 27th day of June 1936 in Upshur County, Book 16-X Page 480

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours, *[Signature]*
(Sign Name) Reuben J. Gah
Well Operator
Manager, Drilling
P.O. Box 1273
Street
Charleston
City or Town
West Virginia 25325
State

11/24/2023

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

BLANKET BOND

UPS-183-Frac PERMIT NUMBER 47-097

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by *[Signature]*
Manager, Drilling

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Mr. Dave Rife
 ADDRESS _____ ADDRESS P.O. Box 1440, Cumberland, Md.
 TELEPHONE _____ TELEPHONE (301) 729-8181
 ESTIMATED DEPTH OF COMPLETED WELL: 3960 ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

WELL NO. 344

RECEIVED

AUG 24 1977

JL
OIL & GAS DIVISION
DEPT. OF MINES

Company: Columbia Gas Transmission Corporation
Farm: J. W. Riffle
County: Upshur
District: Banks

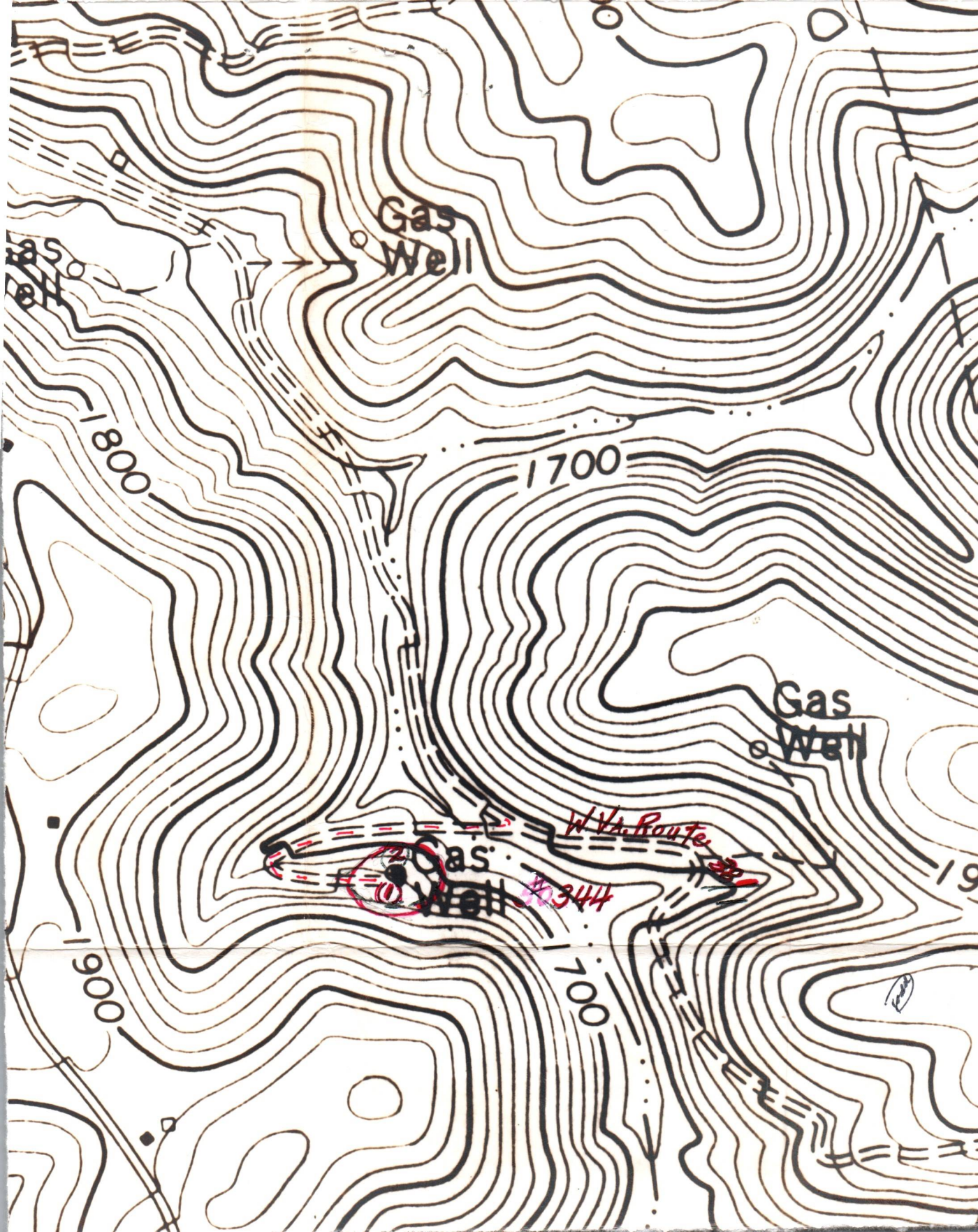
Regrade existing well access road from where it departs West Virginia Route 381, to existing Well 344. No drainage culverts will be required on this existing road. The existing location will be regraded and ditched (dotted line), and sediment dispersants will be placed at edge of cut (1). The pit will be placed on the north side of the location in solid cut (2), and suitable lining will be installed if required. The terrain around the wellsite is pasture land, and no timber will have to be cut. The nearest water well or dwelling is more than 1000 feet away from the well location. Upon completion, the pit (2) and location (1) will be reclaimed allowing only the necessary area to operate the well. The cut area and all unused disturbed areas will be seeded and fertilized as needed.

This plan was observed and agreed upon between the well operator, contractor and the District Oil and Gas Inspector, Bill Hatfield.

I certify that all requirements of Chapter 22, Article 4, Section 12b, of the West Virginia Code of 1931, as amended will be carried out.

SIGNED by: *Reuben L. Guah*
TITLE: Manager, Drilling
DATE: 8-23-77

11/24/2023



Gas Well

Gas Well

Gas Well

W Va. Route

4344

1800

1700

1900

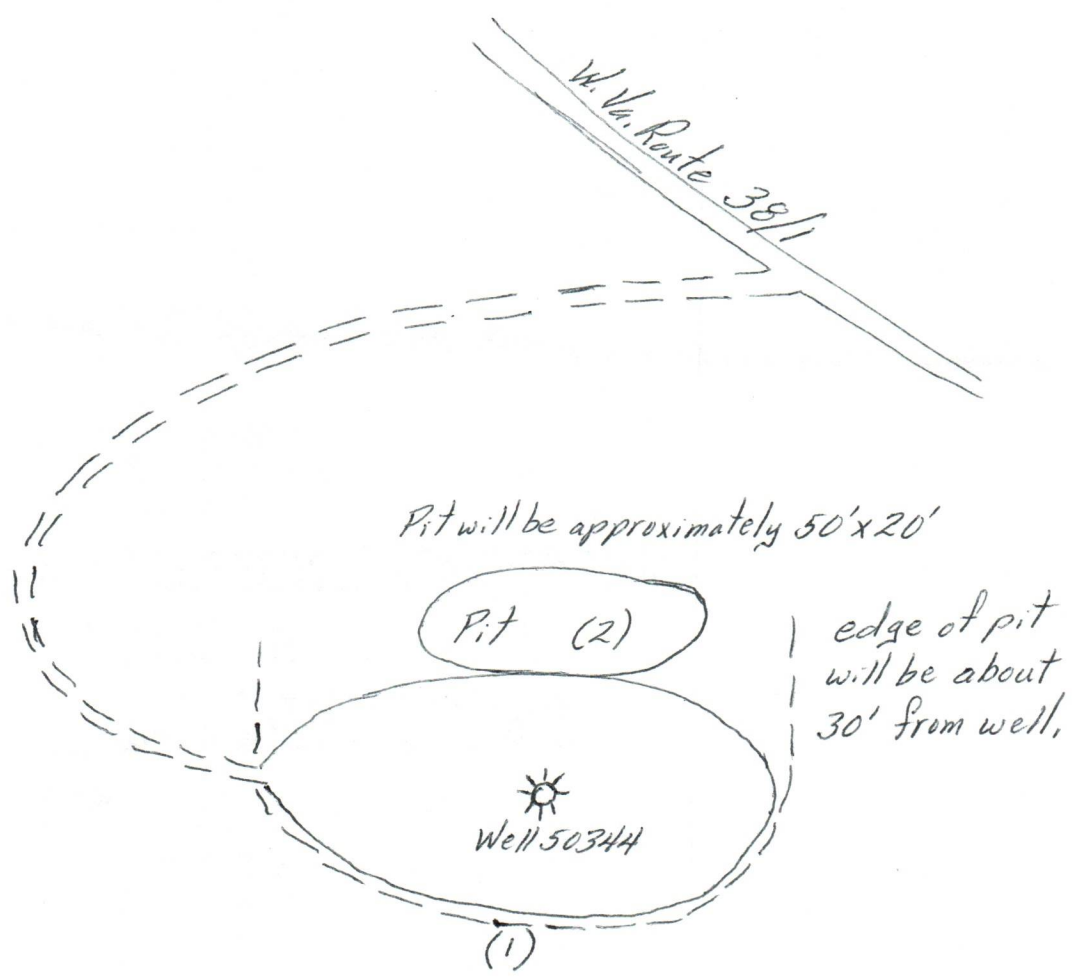
1700

1900

RECEIVED

AUG 24 1977

OIL & GAS DIVISION
DEPT. OF MINES



RECEIVED

AUG 24 1977

OIL & ^{Gas} DIVISION
DEPT. OF MINES

11/24/2023

Cumberland and Allegheny Gas Company

M130

Division 4

Record of well No. 344 on J.D. Riffle Farm 114 Acres
 Weston Field Banks ~~Township~~ District Upshur County W.Va. State
 Rig Commenced 7/26/43 19 , Completed 8/6/43 19
 Drilling Commenced 8/12/43 19 , Completed 11/9/43 19
 Contractor Guy L. Warner Address Gassaway, W.Va.
 Driller's Name John E. Wilson, R.H. Boner, F.R. Kincaid, C.O. Wise.

CASING AND TUBING RECORD

	Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"	
Used in Drlg.	16'		204'-8"	926'-7"		2025'-10"		3994'-2"		
Left in well	16'		Pulled	Pulled		2025'-10"		3994'-2"		

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		
6 5/8" x 4"	3529'	Comb. Hook wall & Bottom set	11/10/43	Glycerine	60qts	3863	3874	78.869	171.743

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours
						1	5	10	30	60			
	80/10	Water	5/8"	27.386	Balltown							440	192
	20/10	Water	1 1/2"	78.869	Reilley	2	18	35	100	165		1020	192

TOTAL INITIAL OPEN FLOW ~~102255~~ ~~106.255~~ 93 000 CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Clay	0	30	30	
Lime	30	50	20	
Sand	50	100	50	Water @ 60' - 3 bailers per hr.
Lime	100	150	50	
Sand	150	175	25	
Shale	175	184	9	
Sand	184	193	9	
Shale	193	220	27	
Lime	220	250	30	
Slate	250	255	5	
Sand	255	265	10	
Slate	265	284	19	
Sand	284	300	16	
Lime	300	310	10	
Slate	310	315	5	
Lime (Gritty)	315	323	8	
Slate	323	330	7	
Lime (Gritty)	330	348	18	
Slate	348	354	6	
Lime (Gritty)	354	367	13	
Slate	367	390	23	
Lime	390	411	21	
Slate	411	435	24	
Lime	435	450	15	
Slate	450	460	10	
Lime	460	465	5	
Slate	465	470	5	
Lime	470	490	20	

11/24/2023

Examined above information and measurements and found to be correct by

Examined and Approved by

Guy L. Warner

Contractor

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in

Company

Division 4

Record of well No. 1 - 344 on J. W. Riffle Farm 114 Acres
Weston Field Banks Township Upshur County W. Va. State
 Rig Commenced 19 , Completed 19
 Drilling Commenced 19 , Completed 19
 Contractor _____ Address _____
 Driller's Name _____

CASING AND TUBING RECORD

	Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"	
Used in Drig.										
Left in well										

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours
						1	5	10	30	60			

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	490	500	10	
Lime	500	520	20	
Slate	520	540	20	
Lime	540	587	47	
Slate	587	598	11	
Lime	598	610	12	
Slate	610	615	5	
Lime	615	626	11	
Sand	626	665	39	Show of oil @ 635'
Slate	665	670	5	
Sand	670	720	50	
Slate	720	737	17	
Lime (Gritty)	737	742	5	
Slate	742	748	6	
Lime	748	812	66 66	
Sand	812	840	26	
Lime	840	874	34	
Shale	874	879	5	
Lime	879	901	22	
Slate	901	906	5	
Lime	906	956	50	
Slate	956	960	4	
Sand	960	1030	70	
Red rock	1030	1070	40	
Sand	1070	1110	40	
Red rock	1110	1160	50	
Sand	1160	1220	60	
Red rock	1220	1228	8	

11/24/2023

Examined above information and measurements and found to be correct by

Examined and Approved by

Guy L. Warner

Contractor

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

Division 4 Company _____
 Record of well No. 1 - 344 on J. W. Riffle Farm 114 Acres
Weston Field Banks Township Upshur County W. Va. State
 Rig Commenced 19 , Completed 19
 Drilling Commenced 19 , Completed 19
 Contractor _____ Address _____
 Driller's Name _____

CASING AND TUBING RECORD

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Used in Drlg.										
Left in well										

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hour	
						1	5	10	30	60				

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand	1228	1233	5	
Shale	1233	1240	7	Show of gas & little salt water @ 1240'
Lime	1240	1260	20	
Shale	1260	1270	10	
Lime	1270	1304	34	
Red rock	1304	1310	6	
Lime	1310	1318	8	
Slate	1318	1321	3	
Sand	1321	1327	6	
Slate	1327	1332	5	
Lime	1332	1340	8	
Slate	1340	1345	5	
Big Lime	1345	1445	100	Steel line
Big Injun sand	1445	1551	106	
Slate	1551	1564	13	
Red rock	1564	1570	6	
Sand	1570	1585	15	
Red rock	1585	1600	15	
Lime (Gritty)	1600	1622	22	
Slate	1622	1623	1	
Sand	1623	1660	37	
Red rock	1660	1667	7	
Sand	1667	1685	18	
Slate & Shells	1685	1729	44	
Pink rock	1729	1734	5	
Sand	1734	1745	11	
Red rock	1745	1755	10	
Sand	1755	1770	15	

11/24/2023

Examined above information and measurements and found to be correct by

Examined and Approved by

Guy L. Warner Contractor

Field Superintenden

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

Division 4 Company _____
 Record of well No. 1 - 344 on J. W. Riffle Farm 114 Acres
Weston Field Banks Township Upahur County W. Va. State
 Rig Commenced 19 , Completed 19
 Drilling Commenced 19 , Completed 19
 Contractor _____ Address _____
 Driller's Name _____

CASING AND TUBING RECORD

	Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"		
Used in Drig.											
Left in well											

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours
						1	5	10	30	60			

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Red Rock	1770	1795	25	
Sand	1795	1800	5	
Shale	1800	1820	20	
Sand	1820	1825	5	
Red rock	1825	1840	15	
Sand	1840	1880	40	
Red rock	1880	1900	20	
Sand	1900	1930	30	
Red rock	1930	1940	10	
Sand	1940	1950	10	
Slate	1950	1955	5	
Sand	1955	1980	25	
Slate & Shell	1980	2000	20	
Lime (Gritty)	2000	2017	17	
Red rock	2017	2030	13	
Gordon sand	2030	2080	50	Gas 2053-2060, 16/10 water in 5/8"
Slate	2080	2155	75	
5th sand	2155	2158	3	Show of gas 2156-2158
Slate	2158	2212	54	
Sand	2212	2227	15	
Slate	2227	2255	28	
Lime	2255	2335	80	
Slate	2335	2385	50	
Lime	2385	2422	37	
Slate	2422	2540	118	
Sand	2540	2550	10	
Lime	2550	2620	70	
Shale	2620	2650	30	

11/24/2023

Examined above information and measurements and found to be correct by

Examined and Approved by

Guy L. Warner

Contractor

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in that order and depth.

Company

Division 4

Record of well No. 1 - 344

on J. W. Riffle

Farm 111

Acres

Reston

Field

Banks

District Township

Upsbur

County W. Va.

State

Rig Commenced

19

Completed

19

Drilling Commenced

19

Completed

19

Contractor

Address

Driller' Name

CASING AND TUBING RECORD

Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 1/16"	4"	3"		
Used in Drig.										
Left in well										

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading In Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Ho	
						1	5	10	30	60				

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Lime (Gritty)	2335	2650	2679	29
Slate	2679	2727	48	
Lime	2727	2755	28	
Slate & Shells	2755	2830	75	
Lime	2830	2990	160	
Slate & Shells	2990	3055	65	
Sand	3055	3075	20	
Lime	3075	3205	130	
Sand	3205	3215	10	
Lime	3215	3280	65	
Slate	3280	3510	230	
Lime (Gritty)	3510	3555	45	
Balltown sand	3555	3575	20	Gas @ 3560' 80/10 water in 5/8"
Slate	3575	3863	88	
Reilley sand	3863	3877	14	Gas @ 3865-3867, 28/10 water in 1 1/2" Openi
Slate & Shells	3877	3960	83	
TOTAL DEPTH	3960			

11/24/2023

Examined above information and measurements and found to be correct by

Examined and Approved by

Guy L. Warner

Contractor

Field Superintendent

NOTE--The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth. Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. UPS-183

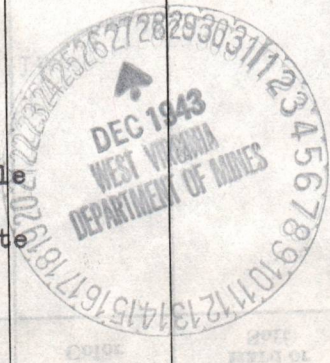
Oil or Gas Well Gas
(KIND)

Company Cumberland and Allegheny Gas Company
Address 800 Union Trust Bldg., Pittsburgh, Pa.
Farm J. W. Riffle Acres 11 1/4
Location (waters) _____
Well No. 1 - 344 Elev. 1748 ft
District Banks County Upshur
The surface of tract is owned in fee by J W Riffle
R D 1 - Box 65 Address French Creek, WVa
Mineral rights are owned by Cumberland and Allegheny
Gas Company Address Pittsburgh, Pa.
Drilling commenced 8/12/43
Drilling completed 11/9/43
Date Shot 11/10/43 From 3863 To 3874
With Glycerine
Open Flow 80 /10ths Water in 5/8" Inch
20 /10ths Water in 1 1/2" Inch
Volume 93,000 Cu. Ft.
Rock Pressure 1020 lbs. 192 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 60 feet 1240 feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			<u>Hook-wall-bottom set</u>
10	<u>204' 8"</u>	-	Size of <u>6 5/8 x 4"</u>
8 1/4	<u>926' 7"</u>	-	Depth set _____
6 1/2	<u>2025' 10"</u>	<u>2025' 10"</u>	<u>3529'</u>
5 3/16			Perf. top _____
3 1/4	<u>3994' 2"</u>	<u>3994' 2"</u>	Perf. bottom _____
2			Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 0 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay & Lime			0	50			
Sand			50	100			
Lime			100	150			
Sand			150	175			
Shale			175	184			
Sand			184	193			
Shale			193	220			
Lime			220	250			
Slate			250	255			
Sand			255	265			
Slate			265	284			
Sand			284	300			
Lime & Slate			300	540			
Lime			540	587			
Slate & Lime			587	626			
Sand			626	665			
Slate			665	670			Show of oil at 635 ft.
Sand			670	720			
Slate & Lime			720	748			
Lime			748	812			
Sand			812	840			
Lime, Slate, Shale			840	906			
Lime			906	956			
Slate			956	960			
Sand			960	1030			
Red Rock			1030	1070			
Sand			1070	1110			
Red Rock			1110	1160			
Sand			1160	1220			
Red Rock			1220	1228			
Sand			1228	1233			
Shale			1233	1240			11/24/2023
Lime & Shale			1240	1304	Show of gas		
Red Rock			1304	1310			
Lime & Slate			1310	1345			
Big Lime			1345	1445			
Big Injun			1445	1551			
Slate			1551	1564			
Red Rock			1564	1570			



Change 228

DEPARTMENT OF MINES
STATE OF WEST VIRGINIA

APPROVED _____
 CUMBERLAND AND ALLEGHENY GAS CO.,
 Owner
 By Sammy A. Fouts Land Dept. (Title) Office Mgr.
 Date December 23, 1943

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1570	1585			
Red Rock			1585	1600			
Lime			1600	1623			
Sand			1623	1660			
Red Rock			1660	1667			
Sand			1667	1685			
Slate & Shells			1685	1729			
Pink Rock			1729	1734			
Sand			1734	1745			
Red Rock			1745	1755			
Sand			1755	1770			
Red Rock			1770	1770			
Sand			1770	1795			
Shale			1795	1800			
Sand			1800	1820			
Red Rock			1820	1825			
Red Rock			1825	1840			
Sand			1840	1880			
Red Rock			1880	1880			
Sand			1880	1900			
Red Rock			1900	1930			
Red Rock			1930	1940			
Sand			1940	1950			
Slate			1950	1955			
Sand			1955	1955			
Slate, Shell, Lime			1980	1980			
Lime, gritty			2000	2000			
Red Rock			2000	2017			
Gordon Sand			2017	2030			
Slate			2030	2080			
Slate			2080	2155			
5th Sand			2155	2155			
Slate			2155	2158			
Slate			2158	2212			Show of gas 2156-2158
Sand			2212	2227			
Slate			2227	2255			
Lime			2255	2335			
Slate			2335	2385			
Lime			2385	2422			
Slate			2422	2540			
Sand			2540	2550			
Lime			2550	2620			
Shale			2620	2650			
Slate & Lime			2650	2755			
Slate & Shells			2755	2830			
Lime			2830	2990			
Slate & Shells			2990	3055			
Sand			3055	3075			
Lime			3075	3205			
Sand			3205	3215			
Lime			3215	3280			
Slate			3280	3510			
Gritty lime			3510	3555			
Baltimore Sand			3555	3575			
Slate			3575	3863			
Reiley Sand			3863	3877			
Slate & Shells			3877	3960			
Total depth			3960	3960			
							Gas 3560 ft.
							Gas 3865-3867

11/24/2023

NOV. 21, 1985

DATE

In Re: Complete Information
requested below:

FRACTURE RECORD

Well Name and No: J. W. Riffle # 1-344

District: Banks

County: Upshur

Permit No: 097-0183-FRAC

Completion Date: 2-6-78 ✓

Formation Fractured:

Material:

Top 3555 ✓

Bottom 3571 ✓

Rock Pressure:

Test after Fracture:

Before Fracture Not taken ✓

Oil -- ✓

After Fracture 630 psi/72 hrs. ✓

Gas 93.6 MCFD ✓

Joseph Campbell ✓
Signature

12-3-85 ✓
Date

COMPANY Columbia GAS Transmission Corporation

P.O. Box 1273

Charleston, WVa. 25235

RETURN TO: WEST VIRGINIA DEPARTMENT OF ENERGY
OIL AND GAS DIVISION
1615 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

11/24/2023

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

RECEIVED

AUG 31 1977

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. UPS-183-FAAC

Oil or Gas Well GAS
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Columbia Gas Trans, Corp.</u>	<u>Charleston, W. VA.</u>	<u>J. W. RIFFLE</u>	<u>344</u>	<u>BANKS</u>	<u>UPSHUR</u>											16			
																13			
																10			Size of
																8 1/4			
																6 5/8			Depth set
																5 3/16			
																3			Perf. top
																2			Perf. bottom
																Liners Used			Perf. top
																			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names RIFFLE & PRUNTY (Wharton Cable Tools)

Remarks: PUMPING WATER TRYING TO LOAD PIPE TO CIRC. 1 1/2" CASIN OUT hole x Hole TAKING WATER x

8-30-77
DATE

Billie Hoyle
DISTRICT WELL INSPECTOR
11/24/2023

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

RECEIVED
SEP 12 1977
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. UPS-183-FRACK

Oil or Gas Well GAS
(KIND)

Company <u>Columbia Gas Trans.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>Charleston, W.VA-</u>	Size		
Farm <u>J.W. RIFLE</u>	16			
Well No. <u>344</u>	13			Size of
District <u>BRANKS</u> County <u>BRUNN</u>	10			
Drilling commenced	8 1/4			Depth set
Drilling completed	6 5/8			
Date shot	5 3/16			Perf. top
Initial open flow	3			Perf. bottom
Open flow after tubing	2			Perf. top
Volume	Liners Used			Perf. bottom
Rock pressure				
Oil	CASING CEMENTED	SIZE	No. FT.	Date
Fresh water	NAME OF SERVICE COMPANY			
Salt water	COAL WAS ENCOUNTERED AT			
	FEEET	INCHES	FEEET	INCHES
	FEEET	INCHES	FEEET	INCHES

Drillers' Names _____

Remarks: SPOOLING ON NEW LINE TO FISH SWAB OUT HOLE
& TRY TO CUT PIPE 1/2 CASIN BELOW BY AT PACKER
POSS. Plug

9-8-77
DATE

Billie Hoyle 11/24/2023
DISTRICT WELL INSPECTOR

1st Permit 5, 43
Fracture Permit
8-24-77

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE _____
ELEVATION _____
DISTRICT Banks
QUADRANGLE _____
COUNTY Upshur

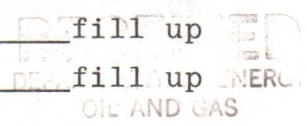
API# 47- 97 - 00183 P
OPERATOR Columbia Gas
TELEPHONE _____
FARM Riffle
WELL # 1-344

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up



TD _____ feet on _____

PLUGGING

APR 15 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 4-11-86

Phillip Tracy 11/24/2023
Inspector's signature

API# 47 _____ - _____

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
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20				

Notes

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

85-08-1987(34) SEP 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 9-22, 1985

10450

AGENCY USE ONLY

Applicant's Name: Columbia Gas Transmission Corp.

WELL DETERMINATION FILE NUMBER

Address: P. O. Box 1273

850826 -1080 -097 -0183

Charleston, WV 25325-1273

Use Above File Number on all
Communications Relating to This Well

Gas Purchaser Contract No. N/A*

Date of Contract _____
(Month, day and year)

Designated Agent: James L. Weekley

First Purchaser: N/A* P629

Address: P. O. Box 1273

(Street or P.O. Box)

Charleston, WV 25325-1273

(City) (State) (Zip Code)

FERC Seller Code N/A*

FERC Buyer Code N/A*

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Albert H. Mathena, Jr. Director, Production Engineering
(Print) (Title)

Signature: Albert H. Mathena, Jr.

Address: P. O. Box 1273
(Street or P.O. Box)

Charleston, WV 25325-1273

(City) (State) (Zip Code)

Telephone: 304 357-3485
(Area Code) (Phone Number)

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

(Certificate of Proof of Service to Purchaser)

A copy of this filing is being retained by Columbia Gas Trans. Corp.
owner and operator of the identified well.

NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

103 New Onshore Production Well

- 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED 11/24/2023

RECEIVED
SEP 26 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

Date: 8-22, 19 85

Operator's
Well No. 650344

API Well
No. 47 - 097 - 00183
State County Permit

Well Operator: Columbia Gas Transmission Corp.

Address: P. O. Box 1273
Charleston, WV 25325-1273

Gas Purchaser: N/A*

Address: _____

Designated Agent: James L. Weekley

Address: P. O. Box 1273
Charleston, WV 25325-1273

Location: Elevation 1748

Watershed _____

Dist. Banks County Upshur Quad. _____

Gas Purchase Contract No. N/A*

Meter Chart Code 626460

Date of Contract N/A*

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

All applicants must complete FERC Form 121, including question No. 2.0 which should state Section 108 of NGPA.

QUALIFICATIONS

1. Rate of Production

a.) What date did the well have first production? 7-10, 19 84

b.) What are the beginning and ending dates of the 90-day production period?

From 4-10, 19 85 to 7-10, 19 85. During this 90-day
(1-1) (2-1)
production period, what was the total and average per-day production? The well
produced a total of 1519 MCF or average 17.1 MCF per day.

2. Maxium Efficient Rate of Flow

The operator must establish that the well produced at its maxium efficient rate of flow by use of one of the following procedures (Check one):

[] a.) If the filing date is more than one year from the date of first production, provide production on IV-39 for twelve months prior to the last day of the 90-day production period (2-1 in item 1). This twelve month period is 7-10-84
(month-day-year) 11/24/2023
through 7-10-85 and produced a total of 7453 MCF or average 22.0 per day.
(month-day-year)

[] b.) If the well does not have a 12-month history of production; but has recently

produced an average of 60 Mcf or less per production day for the 90-day period (item 1). All available months of production preceding the filing date are shown on Form IV-39.

c.) Will the maximum efficient rate of flow be established by other evidence?
See attached production data

3. Dates

a.) List the dates during the production period (including the 90-day production period) which gas was not produced. N/A

b.) Why was no gas produced on these dates? N/A

4. Crude Oil

How much oil did the well produce during the 90-day production period? _____ (total bbls)

How much oil per day? N/A.

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax records and royalty payment records) and indicate the location of such records.

Describe the search made of any records listed above:

AFFIDAVIT

I, Albert H. Mathena, Jr., having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

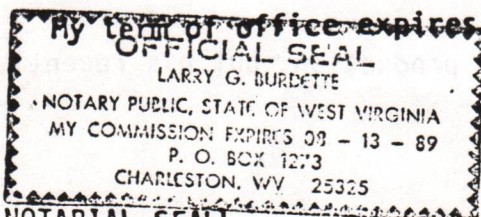
Albert H. Mathena Jr.

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 22 day of August, 1985, has acknowledged the same before me, in my county aforesaid.

11/24/2023

Given under my hand and official seal this 22 day of August, 1985
My ~~term of~~ office expires on the 13 day of August, 1989.



Larry G. Burdette
Notary Public

[NOTARIAL SEAL]

REPORT DATE 08/16/85
 REPORT TIME 11:02:03

COLUMBIA GAS TRANSMISSION CORPORATION
 N.G.P.A. SECTION 108
 APPLICATION FOR WELL CLASSIFICATION

API WELL NO. 47-097-00183

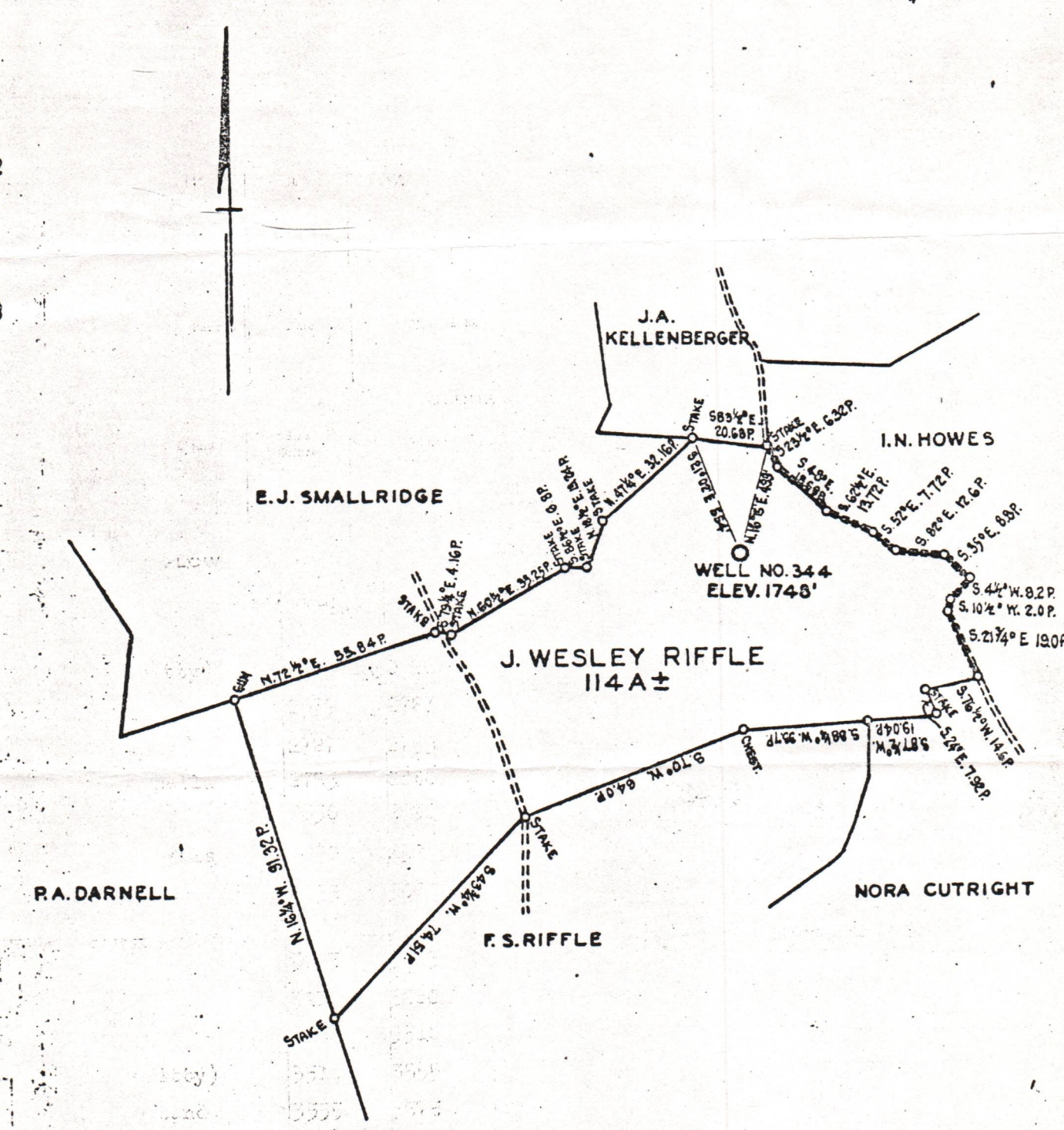
WELL NUMBER : 650344 FARM NAME: J M RIFFLE
 MEASURING STATION: 626460 LEASE : 55269
 STATE : WV

DATE MM/YY	THREE MONTH MCF/DAY	VOLUME -100- PERCENT	DAYS ON LINE	MCF/DAY -100- PERCENT	LINE PRSS PSIA	WELL COUNT
6/84		1518	132	11.5	107	1.000
7/84		0	28	0.0	118	1.000
8/84	9.1	224	31	7.2	108	1.000
9/84	6.4	348	31	11.2	116	1.000
10/84	8.5	204	29	7.0	99	1.000
11/84	14.7	460	9	51.1	99	1.000
12/84	22.2	845	30	28.2	114	1.000
1/85	31.5	868	30	28.9	116	1.000
2/85	27.5	794	31	25.6	138	1.000
3/85	30.5	1049	28	37.5	131	1.000
4/85	33.2	1142	31	36.8	116	1.000
5/85	36.5	1127	32	35.2	107	1.000
6/85	28.7	311	27	11.5	111	1.000
7/85	17.1	81	30	2.7	137	1.000
		✓ 453	339	22.0		

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Latitude 38° 50'

Longitude 80° 15'



COAL OWNED BY MELVIN G. SPERRY ET. AL.
CLARKSBURG WEST VIRGINIA

New Location :: 115
 Drill Deeper.....
 Abandonment.....

Company - CUMBERLAND & ALLEGHENY GAS CO.
 Address - 800 UNION TRUST BLDG. PITTSBURGH PA
 Form J.W. RIFFLE
 Tract _____ Acres 114 ± Lease No. 5269
 Well (Farm) No. 1 Serial No. 344
 Elevation (Spirit Level) 1748'
 Quadrangle CRAWFORD S.E.
 County UPSHUR District BANKS
 Engineer *A. G. Russell*
 Engineer's Registration No. _____
 File No. *115* Drawing No. Y-10-900
 Date MAY 7 1943 Scale 1" = 40 RDS. = 660'

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

WELL LOCATION MAP
 File No. *UP-183-FRAC.*

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.
 47-097