



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.  
Earl Ryan and Liddie Ryan  
Rockport, W. Va.

Columbian Carbon Company

COAL OPERATOR OR COAL OWNER

NAME OF WELL OPERATOR

ADDRESS  
Lena L. Lemon & Lewis H. Lemon  
Mineral Wells, W. Va.

Box 873, Charleston 23, W. Va.

COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER

August 14, 1950, 19

PROPOSED LOCATION

ADDRESS  
Mrs. Viola Ludwig  
Mineral Wells, W. Va.

Steele District

OWNER OF MINERAL RIGHTS

Wood County

ADDRESS

Well No. 1-GW-1157

390 0 31  
210 30'

Earl Ryan, et al 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 ~~grantor~~ lease dated May 3, 1950, made by Earl Ryan, et al, to Columbian Carbon Company, and recorded on the 13 day of June, 1950, in the office of the County Clerk for said County in Book 333, page 209

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 addresses ~~on~~ 2 day ~~before~~, ~~on~~ the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,  
COLUMBIAN CARBON COMPANY  
by: O. W. Van Petten, Vice Pres.

WELL OPERATOR

Box 873

STREET

Charleston 23

CITY OR TOWN

W. Va.

STATE

12/15/2023



Address of Well Operator }

\*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.







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**COLUMBIAN CARBON COMPANY**

903 SECURITY BUILDING

POST OFFICE DRAWER 873

CHARLESTON 23, W. VA.

August 14, 1950

West Virginia Department of Mines  
Oil and Gas Division  
State Capitol Building  
Charleston 5, W. Va.

Re: CW-1157, Earl Ryan, et al #1

Gentlemen:

We enclose the following in connection with the above proposed location:

1 Notice of Proposed Location

Original Survey Tracing

Will you please issue a Drilling Permit?

Yours very truly,



O. W. Van Petten

lw  
encl

cc-Mr. R. G. Merrick

12/15/2023



COLUMBIAN CARBON COMPANY

200 SECURITY BUILDING  
1000 BOSTON DRAWER 247  
CHARLESTON 23 W. VA.

APR 23 1950

Dear Sir: This report was prepared by the  
Oil and Gas Division  
of the U.S. Geological Survey  
Washington, D.C.

Reference is made to your letter of April 15, 1950.

The following information is being furnished to you for your information:

A copy of the proposed location

is being furnished to you.

Very truly yours,

W. W. Van Fleet

W. W. Van Fleet

W. W. Van Fleet

cc - Mr. C. R. ...



A-11

August 28, 1950

Columbian Carbon Company  
Box 873  
Charleston, West Virginia

Gentlemen:

Enclosed is permit WOO-394 to drill Well  
No. 1-GH-1157 on the Earl Ryan et al Farm, Steele  
District, Wood County.

Very truly yours,

Administrative Assistant  
OIL AND GAS DIVISION

CHH:K  
Encl-2

CC: Inspector O. C. Howard

12/15/2023





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. W00-334

Oil or Gas Well GAS  
(KIND)

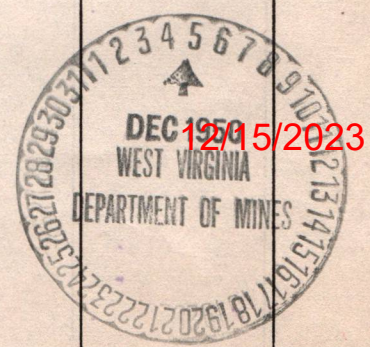
Company COLUMBIAN CARBON COMPANY  
Address BOX 873, CHARLESTON 23, W. Va.  
Farm Earl Ryan, et al Acres 40  
Location (waters) Queen Run  
Well No. 1-0W-1157 Elev. 833.50'0  
District Steele County Wood  
The surface of tract is owned in fee by Earl Ryan, et al  
Address Rockport, W. Va.  
Mineral rights are owned by Earl Ryan, et al  
(for further addresses contact Columbian Carbon Co.)  
Address \_\_\_\_\_  
Drilling commenced 8-23-50  
Drilling completed 11-9-50  
Date Shot 11-10-50 From 5015' To 5050'  
With 167# 4" Gelatin  
Open Flow 22 /10ths Water in 2" Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 198,000 Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water 1230' 1775' feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16"	21'	21'	Kind of Packer <u>Widget</u>
2 7/8" 4.8#	821'2"	Pulled	Bottom Hole
2 1/4" 4.0#	1346'5"	Pulled	Size of <u>6-5/8"</u>
8 1/4" 2 1/4#	2213'11"	Pulled	
6 5/8" 2 1/4#	4947'8"	4947'8"	Depth set <u>1880'STM</u>
5 3/16"			
3"			Perf. top _____
2 7/8" 4.7#	5046'3"	5046'3"	Perf. bottom _____
Liners Used			Perf. top _____
3 1/2" liner	59'9"	59'9"	Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
see reverse side

COAL WAS ENCOUNTERED AT 1208 FEET 24 INCHES  
\_\_\_\_\_  
FEET INCHES FEET INCHES  
\_\_\_\_\_  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	16			
Slate Rock			16	22			
Red Rock			22	54			
Sand			54	76			
Slate			76	120			
Red Rock			120	130			
Sand			130	150			
Red Rock			150	210			
Slate			210	250			
Red Rock			250	320			
Sand			320	332			
Red Rock			332	350			
Lime & Slate			350	410			
Red Rock			410	420			
Lime			420	432			
Red Rock			432	450			
Slate			450	480			
Lime			480	493			
Slate & Shells			493	519			
Red Rock			519	525			
Slate & Shells			525	610			
Red Rock			610	657			
Slate			657	665			
Sand			665	680			
Black Slate			680	714			
Lime			714	720			
Sand			720	740			
Slate			740	812			
Lime Shells			812	817			
Slate			817	836			
Red Rock			836	967			
Slate			967	1000			
Red Rock			1000	1037			
Slate			1037	1065			
Lime			1065	1082			
Red Rock			1082	1092			
Lime			1092	1102			
Sand			1102	1112			
Slate & Shells			1112	1170			





Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1170	1208			
Coal			1208	1210			
Sand			1210	1235	S. Water	1230'	1-13" blr/hr.
Slate & Shells			1235	1290			
Sand			1290	1325			
Slate & Shells			1325	1343'DIM			
				1337'SLM			
Sand			1343'DIM				
			1337'SLM	1457			
Slate & Shells			1457	1619			
Sand			1619	1690			
Slate & Shells			1690	1710			
Sand			1710	2003	S. Water	1775'	Hole full
Lime	2201'DIM-2205'SLM		2003	2210			
Slate			2210	2320			
Slate & Shells			2320	3854	Gas	3932'	Show
Brown Shale			3854	3942			
White Slate			3942	3995			
Brown Shale			3995	4157			
White Slate			4157	4549			
Slate & Shells			4549	4604			
Brown Shale			4604	4698			
Black Shale			4698	4875'DIM			
				4880'SLM			
Gorniferous Lime	4911'DIM-4916'SLM		4875'DIM				
	4909'DIM-4914'SLM		4880'SLM	5022'DIM			
				5015'SLM			
Oriskany Sand			5022'DIM				
			5015'SLM	5040			
Lime break			5040	5044			
Sand			5044	5059			
Lime			5059	5078			
TOTAL DEPTH - - - - -				5078'	Gas Pays:		
					5016-20'	53/10 W.2"	307M
					5021-23'	42/10 W.2"	273M

CASING RECORD

9- 3-50 13-3/8" casing - ran 20 sacks of Aquagel  
No circulation or returns. Columbian Carbon Company Crew.

9-10-50 10-3/4" casing - ran 24 sacks of Aquagel  
Circulation and returns. Columbian Carbon Company Crew.

9-26-50 8-5/8" casing - ran 26 sacks of Aquagel  
Columbian Carbon Company Crew.

10-26-50 6-5/8" casing - ran 58 sacks of Aquagel  
Pipe floated in. Columbian Carbon Company Crew.

12/15/2023

Date December 4, 1950

APPROVED Columbian Carbon Company, Owner

By O. W. Van Petten, Vice President (Title)







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____				
Address _____	Size			
Farm _____	16			Kind of Packer _____
Well No. _____	13			
District _____ County _____	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

DATE

DISTRICT WELL INSPECTOR

12/15/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____		Size _____			Kind of Packer _____
Address _____		16 _____			
Farm _____		13 _____			Size of _____
Well No. _____		10 _____			
District _____ County _____		8 1/4 _____			Depth set _____
Drilling commenced _____		6 3/8 _____			
Drilling completed _____ Total depth _____		5 3/16 _____			Perf. top _____
Date shot _____ Depth of shot _____		3 _____			
Initial open flow _____ /10ths Water in _____ Inch		2 _____			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch		Liners Used _____			Perf. top _____
Volume _____ Cu. Ft.					Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.		CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.		COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet		_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES
Salt water _____ feet _____ feet		_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

DATE \_\_\_\_\_

DISTRICT WELL INSPECTOR \_\_\_\_\_  
12/15/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____					
Address _____		Size			
Farm _____		16			Kind of Packer _____
Well No. _____		13			
District _____ County _____		10			Size of _____
Drilling commenced _____		8 1/4			
Drilling completed _____ Total depth _____		6 5/8			Depth set _____
Date shot _____ Depth of shot _____		5 3/16			
Initial open flow _____ /10ths Water in _____ Inch		3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch		2			Perf. bottom _____
Volume _____ Cu. Ft.		Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.					Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.		CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet		COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet		_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

DATE

DISTRICT WELL INSPECTOR

12/15/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

## INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____	Size _____			Kind of Packer _____
Address _____	16 _____			
Farm _____	13 _____			Size of _____
Well No. _____	10 _____			
District _____ County _____	8 1/4 _____			Depth set _____
Drilling commenced _____	6 5/8 _____			
Drilling completed _____ Total depth _____	5 3/16 _____			Perf. top _____
Date shot _____ Depth of shot _____	3 _____			
Initial open flow _____ /10ths Water in _____ Inch	2 _____			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. top _____
				Perf. bottom _____
Volume _____ Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Rock pressure _____ lbs. _____ hrs.	_____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

DATE \_\_\_\_\_

DISTRICT WELL INSPECTOR

12/15/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company _____	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm _____	16			Kind of Packer _____
Well No. _____	13			
District _____ County _____	10			Size of _____
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

DATE

DISTRICT WELL INSPECTOR

12/15/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

## INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____	Size			
Address _____	16			Kind of Packer _____
Farm _____	13			
Well No. _____	10			Size of _____
District _____ County _____	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_



DATE \_\_\_\_\_

DISTRICT WELL INSPECTOR

12/15/2023



B-8



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

NOTICE OF INTENTION TO PLUG AND ABANDON WELL

(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

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

Coal Operator or Coal Owner \_\_\_\_\_ Name of Well Operator Columbian Carbon Company

Address \_\_\_\_\_ Complete Address Box 873  
Charleston, W. Va.

Coal Operator or Coal Owner \_\_\_\_\_ 19 \_\_\_\_\_

Address \_\_\_\_\_ WELL TO BE ABANDONED

Address \_\_\_\_\_ Steele District \_\_\_\_\_

Address \_\_\_\_\_ Wood County \_\_\_\_\_

Lease or Property Owner Earl Ryan, et al

Well No. 1-GW-1157

Address Rock Port, W. Va. Earl Ryan, et al Farm \_\_\_\_\_

NOTIFY INSPECTOR O. C. HOWARD - GRANTSVILLE - TELEPHONE 108  
24 HOURS IN ADVANCE OF PLUGGING DATE

Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence

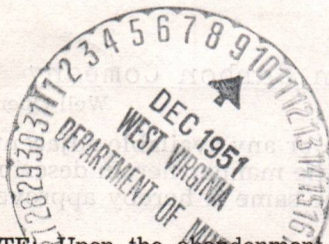
the work of plugging and abandoning said well on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_,  
(which date shall not be less than five days after the day on which this notice so mailed is received,  
or in due course should be received by the Department of Mines.)

This notice is given you in order that your respective representatives may be present at the  
plugging and filling of said well. You are further notified that whether you are represented or not  
represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said  
well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the  
reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above  
date.

Very truly yours,

Columbian Carbon Company  
Well Operator.



12/15/2023

NOTE: Upon the abandonment of all wells drilled prior to June 1, 1929, a plat prepared by a competent  
engineer, showing the district and county in which the tract of land is located, the name and acreage of same,  
the names of the owners and adjacent tracts, and the location of the about to be abandoned well, determined by  
survey, and the courses and distances of such well from two permanent points or landmarks on said tract, shall  
be submitted with this notice.

(Over)

Woo-334 PERMIT NUMBER

W00-334-P



PROPOSED MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY RULES AND REGULATIONS)

WEST VIRGINIA DEPARTMENT OF MINES

Columbian Carbon Company  
Earl Ryan, et al #1-GW-1157  
Steele District  
Wood County, W.Va.

OIL AND GAS DIVISION

WORK ORDER

Well to be plugged and filled as follows:

Pull 5046'3" of 2" tubing with 59'9" of 3 1/2" tubing on bottom of 2" string

Note:- Aquagel ran behind all strings of casing

- Fill 5078' Total Depth to 4900'
- Fill 4900' to 4890' with cement
- 6-5/8" casing set on Midget bottom hole packer at 4880' SLM
- If packer will not pull cut 6-5/8" casing where free and pull up to 3850'
- Bridge at 3912' and run 5 bags cement on bridge
- Pull 6-5/8" casing up from 3850' to 1700'
- Bridge at 1805' and fill 1805' to 1755'
- Run 5 bags cement at 1755'
- Pull 6-5/8" casing up from 1700' to 1150'
- Bridge at 1260' and fill 1260' to 1210'
- Run 5 bags cement at 1210'
- Pull 6-5/8" casing up from 1150' to 750'
- Bridge at 820'
- Fill 820' to 770' and run 5 bags cement at 770'
- Pull balance of 6-5/8" casing out of hole
- Bridge at 130' and run 3 bags cement on bridge
- Fill 5' with stone
- Fill 125' to 21' with clay
- Pull 21' of 16" casing
- Fill 21' to surface

Erect monument as prescribed by Law

BE SURE ALL GAS IS SHUT OFF IN CORNIFEROUS LIME. USE LEAD WOOL OR LEAD PLUG, IF NECESSARY

To the Department of Mines  
Coal Owner or Operator,  
Lease or Property Owner.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date stated in the notice of intention to plug and abandon the said well on opposite side of this sheet.

Very truly yours,

Columbian Carbon Company

Well Operator.

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

12/15/2023

6th day of December, 1951, 19

DEPARTMENT OF MINES  
Oil and Gas Division

By: *C. H. Hall*

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.











Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Sand			1170	1208			
Coal			1208	1210			
Sand			1210	1235	S. Water	1230'	1-13" blr/hr.
Slate & Shells			1235	1290			
Sand			1290	1325			
Slate & Shells			1325	1343'DLM			
				1337'SLM			
Sand			1343'DLM				
			1337'SLM	1457			
Slate & Shells			1457	1619			
Sand			1619	1690			
Slate & Shells			1690	1710			
Sand			1710	2003	S. Water	1775'	Hole full
Lime	2201'DLM-2205'SLM		2003	2210			
Slate			2210	2320			
Slate & Shells			2320	3854			
Brown Shale			3854	3942	Gas	3932'	Show
White Slate			3942	3995			
Brown Shale			3995	4157			
White Slate			4157	4549			
Slate & Shells			4549	4604			
Brown Shale			4604	4698			
Black Shale			4698	4875'DLM			
				4880'SLM			
Corniferous Lime	4911'DLM-4916'SLM		4875'DLM				
	4909'DLM-4914'SLM		4880'SLM	5022'DLM			
				5015'SLM			
Oriskany Sand			5022'DLM				
			5015'SLM	5040			
Lime break			5040	5044			
Sand			5044	5059			
Lime			5059	5078			
TOTAL DEPTH - - - - -				5078'	Gas Pays:		
				5016-20'		53/10 W.2"	3074
				5021-23'		42/10 W.2"	2731

**CASINO RECORD**

9-3-50	13-3/8" casing - ran 20 sacks of Aquagel No circulation or returns. Columbian Carbon Company Crew.
9-10-50	10-3/4" casing - ran 24 sacks of Aquagel Circulation and returns. Columbian Carbon Company Crew.
9-26-50	8-5/8" casing - ran 26 sacks of Aquagel Columbian Carbon Company Crew.
10-26-50	6-5/8" casing - ran 58 sacks of Aquagel Pipe floated in. Columbian Carbon Company Crew.

12/15/2023

METT MECORA

DEPARTMENT OF WATER Date December 4, 1950

APPROVED Columbian Carbon Company  
By G. W. Van Patten, Vice President





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. WOO-334

Oil or Gas Well GAS

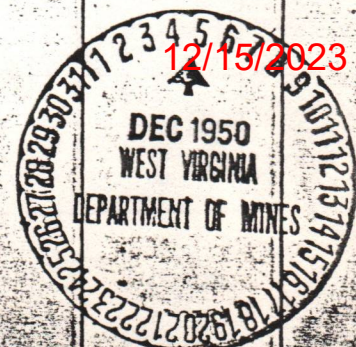
Company COLUMBIAN CARBON COMPANY  
Address BOX 873, CHARLSTON 23, W. Va.  
Farm Earl Ryan, et al Acres 40  
Location (waters) Queen Run  
Well No. 1-GW-1157 Elev. 833.50±0  
District Steels County Wood  
The surface of tract is owned in fee by Earl Ryan, et al  
Address Rockport, W. Va.  
Mineral rights are owned by Earl Ryan, et al  
(for further addresses contact Columbian Carbon Co.)  
Address \_\_\_\_\_

Drilling commenced 8-23-50  
Drilling completed 11-9-50  
Date Shot 11-10-50 From 5015' To 5050'  
With 167# 4" Gelatin  
Open Flow 22 /10ths Water in 2" Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 198,000 Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water 1230' 1775' feet \_\_\_\_\_ feet

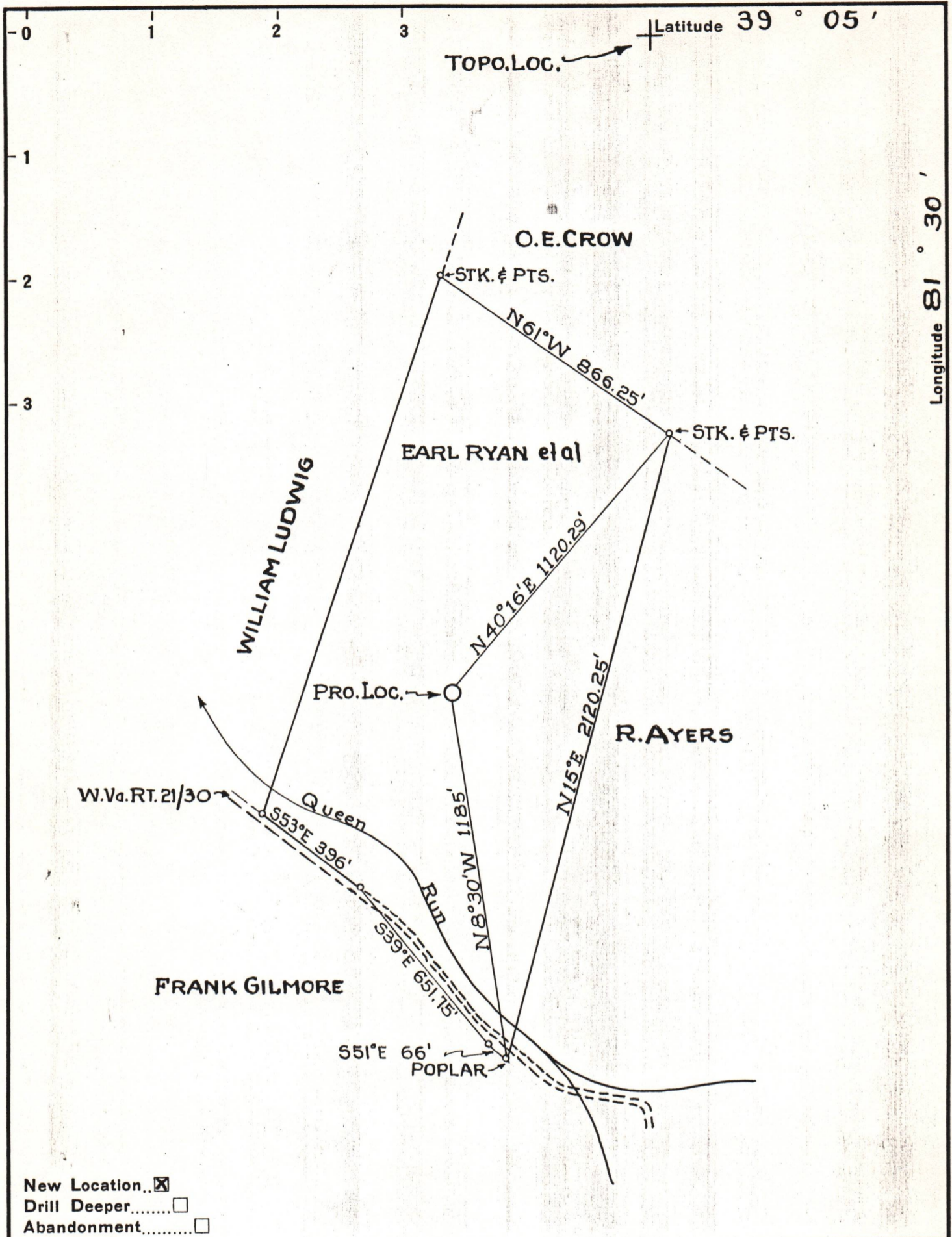
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16"	21'	21'	Kind of Packer <u>Midg</u>
1 3/8" 48#	821'2"	Pulled	Bottom Hole
1 1/4" 40#	1316'5"	Pulled	Size of <u>6-5/8"</u>
8 1/4" 21#	2213'11"	Pulled	Depth set <u>1880'SIM</u>
6 1/4" 21#	1917'8"	1917'8"	
5 8/16			
8			Perf. top
3/8" 4.7#	5046'3"	5046'3"	Perf. bottom
Liners Used			Perf. top
3 1/2" liner	59'9"	59'9"	Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_  
see reverse side  
COAL WAS ENCOUNTERED AT 1208 FEET 24 INCH  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCH  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCH

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	16			
Slate Rock			16	22			
Red Rock			22	54			
Sand			54	76			
Slate			76	120			
Red Rock			120	130			
Sand			130	150			
Red Rock			150	240			
Slate			240	250			
Red Rock			250	320			
Sand			320	332			
Red Rock			332	350			
Lime & Slate			350	410			
Red Rock			410	420			
Lime			420	432			
Red Rock			432	450			
Slate			450	480			
Lime			480	493			
Slate & Shells			493	519			
Red Rock			519	525			
Slate & Shells			525	640			
Red Rock			640	657			
Slate			657	665			
Sand			665	680			
Black Slate			680	714			
Lime			714	720			
Sand			720	740			
Slate			740	812			
Lime Shells			812	817			
Slate			817	836			
Red Rock			836	967			
Slate			967	1000			
Red Rock			1000	1037			
Slate			1037	1065			
Lime			1065	1082			
Red Rock			1082	1092			
Lime			1092	1102			
Sand			1102	1112			
Slate & Shells			1112	1170			







New Location..   
 Drill Deeper.....   
 Abandonment.....

Company COLUMBIAN CARBON COMPANY  
 Address BOX 873 CHARLESTON W.VA.  
 Farm EARL RYAN et al  
 Tract \_\_\_\_\_ Acres 40 Lease No. C-3739  
 Well (Farm) No. 1 Serial No. GW-1157  
 Elevation (Spirit Level) 833.50'  
 Quadrangle BELLEVILLE 7 5023 W 239  
 County WOOD District STEELE  
 Engineer R. B. Anderson  
 Engineer's Registration No. 2074  
 File No. \_\_\_\_\_ Drawing No. W-15-50.  
 Date AUG. 12 1950 Scale 1" = 400'

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

**WELL LOCATION MAP**  
 FILE NO. W00-334 12/15/2023

+ 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.