



New Location   
 Drill Deeper   
 Abandonment

Company	COLUMBIAN CARBON COMPANY
Address	Box 873 CHARLESTON, W. VA.
Farm	UNITED STATES OF AMERICA C. 44360
Tract	32a Acres 2405.24 Lease No. PLMA-032818
Well (Farm) No.	G-7 Serial No. GW-1282
Elevation (Spirit Level)	3298.07'
Quadrangle	HORTON-8 SC 3014 W445
County	RANDOLPH District DRY FORK
Engineer	A. B. [Signature]
Engineer's Registration No.	2074
File No.	Drawing No. W-24-57
Date	OCT 31 1957 Scale 1"=2000'

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

**WELL LOCATION MAP**  
 FILE NO. TRAN-99

+ 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.

G-6 261

Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 15

Quadrangle Horton & SW

Permit No. RAN-99

**WELL RECORD**

Oil or Gas Well Gas  
(KIND)

Company Columbian Carbon Company, Operator  
Address Box 873, Charleston 23, W. Va.  
Farm United States of America Acres 2405.24  
Location (waters) Frazier Creek of Gladly Fork  
Well No. G-7 - GW-1282 Elev. 3298.07'  
District Dry Fork County Randolph  
The surface of tract is owned in fee by Director, Bureau of Land Management  
Interior Building Address Washington 25, D.C.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced 2-27-58  
Drilling completed 6-11-58  
Date Shot Not shot From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume Show of gas \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED Not acidized  
WELL FRACTURED See reverse side.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13 3/8" 48#	31'2"	31'2"	None
10 3/4" 40 5#	1023'8"	1023'8"	Size of _____
8 1/4"			
8 1/4" 23#	6573'6"	6573'6"	Depth set _____
5 3/16"			
3"			Perf. top _____
2 3/8" 4.6#	6537'4"	6537'4"	Perf. bottom _____
Liners Used	(with cage)		Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
See reverse side.  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT 94,000 cubic feet  
ROCK PRESSURE AFTER TREATMENT 72 hours - 1175#  
Fresh Water 40', 415' Feet Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	12			
Gray Shale			12	110	Fresh water	40'	1bailer/hour
Lime			110	340			
Sand			340	610	" "	415'	Hole full
Lime			610	1336			
Lime and Shale			1336	1540			
Lime			1540	1613			
Shale and Lime Streaks			1613	2115			
Shale			2115	2395			
Shale and Lime			2395	5955			
Lime			5955	6151			
Chert and Shale			6151	6255			
Sand			6255	6487			
Sand and Lime			6487	6525			
Total depth				-----6525' Rotary Measurement			
				6511' Landing Flange Measurement			
Cable tools			0 - 1001'				
Rotary tools			1001 - 6511'				
				5955	6255	6487	
				3298	3298	3298	
				2657	2957	3189	



*Frad*

Formation	Color	Hard or Soft	Top 15	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>CASING RECORD</u>							
3-24-58	- Ran 1023' 8"						of 10 3/4" 40.5# casing set at 1001'. Cemented with 250 sacks. Ran with shoe.
6-14-58	- Ran 6573' 6"						of 7" 23# casing set at 6511' Landing Flange Measurement with guide shoe and differential fill up collar. Ran 5 centralizers - 1 top, middle and bottom of sand. 1 top, and bottom of Chert.
<u>FRACTURING RECORD</u>							
Perforated 7" casing with 4 shots per foot - total of 343 shots. Perforated 6120-22', 6125-29', 6133-57', 6315-17', 6323-25', 6330-34', 6336-38', 6341-45', 6345-47', 6350-60', 6363-65', 6367-69', 6384-87', 6421-26', 6438-46', 6448-50', 6465-68', 6487-89',							
7-24-58	- Pumped 2 barrels kerosene, 2,000 gallons Acid - 36 barrels kerosene to load hole, Displaced 500 gallons MCA at 2400# - 2 pumps, 500 gallons MCA at 1600#, 500 gallons MCA at 1850#, 500 gallons MCA at 1750#, Broke down with 6 pumps. Maximum 3250#, minimum 2800#. Injection rate 8.9 barrels per minute. Gelled 12,000 gallons Kerosene. Started perf balls after 3,000 gallons in. Pressure started at 3150# at end of gel pressure 2900#. Injection rate 857 gpm. Used 410 perf balls and 8800# Sand. Flushed with 100 bbl. kerosene. Pressure 2900#. At end of flush pressure 3600#. Injection rate for flush 440 GPM.						
Final open flow 5/10 W 2" - 94M. 72 hour pressure 1175#.							

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2000  
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Date August 15, 1958

APPROVED Columbian Carbon Company, Oper. Owner  
 By R. B. Anderson, General Manager.  
 (Title)