



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. BRA-100-A

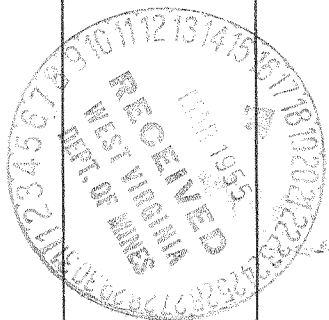
Oil or Gas Well Gas (KIND)

Company Weiner Brothers  
Address Pittsburgh, Pa.  
Farm D. S. Engel Acres \_\_\_\_\_  
Location (waters) \_\_\_\_\_  
Well No. 221 Elev. \_\_\_\_\_  
District Otter County Braxton  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced November 3, 1922  
Drilling completed December 18, 1922  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 238,080 9,293,310 Cu. Ft.  
Rock Pressure 550 lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>84</u>	<u>Pulled</u>	Size of <u>8 1/4 x 2</u>
8 1/4	<u>690</u>	<u>690</u>	
6 5/8	<u>1817</u>	<u>Pulled</u>	Depth set <u>1444</u>
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Little Dunkard			400	448	Show gas	420	
Big Dunkard			480	493			
Gas Sand			1264	1309	Show gas	1275--1300	
First Salt Sand			1392	1482	Show gas	1458	
Second Salt Sand			1490	1580			
Maxon			1708	1745	Gas	1715--1722--238,000 cf.	
Little Lime			1760	1768			
Pencil Cave			1768	1774			
Big Lime			1774	1825			
Big Injun			1825	1958	Gas	1890; gas, oil and water 1950-1955	
Total Depth			1834		Well developed	238,080cf. with rock pressure of 550# from the Maxon Sand	
					Developed	9,293,310 cf. with rock pressure of 280# from the Injun Sand.	
					May 1923, pulled	6-5/8" csg. and filled hole to 1834.	
					Well gauged at this time,	238,080	



OCT 6 1955

D. S. ENGEL NO. 221 WELL.

Otter District, Braxton County, W. Va.  
 By Weiner Brothers, Pittsburgh, Pa.  
 Abandoned under permit Brax-.....-A?; no plat.  
 On.....acres.

Elevation, ..... ' L.

Drilling commenced Nov. 3, 1922; completed Dec. 18, 1922.

Well developed 238,080 cu. ft. with rock pressure of 550# from the  
 Maxton Sand. Developed 9,293,310 cu. ft. with rock pressure of  
 280# from the Big Injun Sand.

May 1923, pulled 6 $\frac{5}{8}$ " casing and filled hole to 1834'. Well gauged  
 at this time, 238,080 cu. ft.

10" casing, 84' (pulled); 8 $\frac{1}{2}$ " , 690'; 6 $\frac{5}{8}$ " , 1817' (pulled);

Packer, 8 $\frac{1}{2}$  x 2, set at 1444'.

Gas well. Record to Dept. of Mines stamped March 18, 1955.

Record to RCT from Mrs. Griffith Oct. 6, 1955. Old File No. 226.

	Top.	Bottom.
Little Dunkard Sand (show gas, 420')	400	448
Big Dunkard Sand	480	493
Gas Sand (show gas, 1275-1300')	1264	1309
First Salt Sand (show gas, 1458')	1392	1482
Second Salt Sand	1490	1580
Maxton Sand (gas, 1715-1722'; 238,000 cu. ft.)	1708	1745
Little Lime	1760	1768
Pencil Cave	1768	1774
Big Lime	1774	1825
Big Injun Sand (gas, 1890'; gas, oil, and water, 1950-1955')	1825	1958
Total depth		1958
Hole filled, May 1923, to		1834