

LATITUDE 39° 15'

LONGITUDE 80° 45'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and derive all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

*W. E. N. Y.*  
R. F. E. N. Y.

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

Elev. ref.:- Well No. 19-609 = 1051'  
 Error in Closure:- Less than 1' in 200'

Company CARNEGIE NATURAL GAS CO.  
 Address 3904 Main Street Munhall 15121 Pa.  
 Farm Leeman Maxwell  
 Tract \_\_\_\_\_ Acres 2164 Lease No. 6764  
 Well (Farm) No. 22 Serial No. 743  
 Elevation (Spirit Level) 1073'  
 Quadrangle Halbrook N.E.  
 County Doddridge District Southwest  
 Engineer W. E. N. Y.  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date October 17, 1965 Scale 1" = 40p

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

WELL LOCATION MAP

FILE NO. DOD - 7 - FRAC 1384

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

12-13-65  
AD

Quadrangle Holbrook N.E.

Permit No. DOD-7-Free

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Carnegie Natural Gas Company  
Address 3904 Main Street, Manhall, Pa.  
Farm Loeman Maxwell Acres 216 1/4  
Location (waters) Bluestone  
Well No. 22-743 Elev. 1110'  
District Southwest County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_

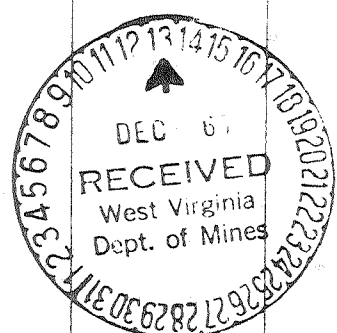
~~Drilling~~ commenced Clg. Out. Sept. 28, 1965  
~~Drilling~~ completed Clg. Out Nov. 10, 1965  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume Show of gas \_\_\_\_\_ Cu. Ft.  
Rock Pressure 160# lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED 11-8-65 30,000# of sand and 782 Bbls. water.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>Steel Slice</u>
13			Size of _____
10		<u>364'</u>	Depth set <u>1862'</u>
8 1/4		<u>1059'</u>	Perf. top <u>1788'</u>
6 3/4			Perf. bottom <u>1810'</u>
5 3/16			Perf. top <u>1817'</u>
3 <u>4 1/2"</u>		<u>1876'</u>	Perf. bottom <u>1820'</u>
2			
Liners Used			

Tubing ~~Cased~~ CEMENTED 4 1/2" SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
with 25 bags cement  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT 1,917,000 Cu. Ft. Rock pressure 250#  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			450	453			
Little Dunkard			910	915			
Big Dunkard			975	988			
Gas Sand			1158	1185			
1st Salt Sand			1250	1350			
2nd " "			1395	1500			
Maxton Sand			1560	1570			
Little Lime			1655	1670			
Pencil Cave			1670	1675			
Big Lime			1688	1755			
Big Injun			1755	1828			



Old well cleaned out to 1876', plugged back to 1862' and fractured.