



New Location   
 Drill Deeper   
 Abandonment

No coal  
 Surface is owned by James M. Howard, whose address is Pullman, W. Va.

JAN 25 1960

Company **CARNEGIE NATURAL GAS CO.**  
 Address **Pittsburgh, Penna.**  
 Farm **G. C. Howard**  
 Tract \_\_\_\_\_ Acres **80** Lease No. **E-6032-64**  
 Well (Farm) No. **One** Serial No. **1-943**  
 Elevation (Spirit Level) **956**  
 Quadrangle **Holbrook**  
 County **Ritchie** District **Union**  
 Engineer **W. H. [Signature]**  
 Engineer's Registration No. **1227**  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date **Jan. 1960** Scale **1" = 500'**

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

**WELL LOCATION MAP**  
 FILE NO. **Pit-1311-A**

+ 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.



1157

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Holbrook N. W.

Permit No. Rit-1311-A

WELL RECORD

Oil or Gas Well GAS  
(KIND)

Company Carnegie Natural Gas Company  
Address 1015 Frick Building, Pittsburgh, Pa.  
Farm G. C. Howard Acres 80

Location (waters) \_\_\_\_\_  
Well No. 1-9h3 Elev. 956'  
District Union County Ritchie

The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_

Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_

Drilling commenced August 26, 1919  
Drilling completed September 24, 1919

Date Shot From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED \_\_\_\_\_

RESULT AFTER TREATMENT \_\_\_\_\_

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers                  |
|-------------------|------------------|--------------|--------------------------|
| Size              |                  |              | Kind of Packer _____     |
| 16                |                  |              | <u>Anchor packer</u>     |
| 13                |                  |              | Size of <u>3"x7"</u>     |
| 10                |                  |              | Depth set <u>1691</u>    |
| 8 1/4             |                  |              |                          |
| 6 5/8             |                  | <u>1907</u>  |                          |
| 5 3/16            |                  |              | Perf. top <u>1874</u>    |
| 3                 |                  | <u>335</u>   | Perf. bottom <u>1964</u> |
| 2                 |                  | <u>1691</u>  |                          |
| 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 | Remarks |
|--|-------|--------------|------|--------|-------------------|-------|---------|
| Conductor                                  |       |              |      | 16     |                   |       |         |
| Pittsburgh Coal                            |       |              | 658  | 660    |                   |       |         |
| Little Dunkard                             |       |              | 1050 | 1071   |                   |       |         |
| 1st Salt Sand                              |       |              | 1280 | 1350   |                   |       |         |
| 2nd Salt Sand                              |       |              | 1375 | 1725   | Gas               | 1706' |         |
| Maxton Sand                                |       |              | 1850 | 1875   | Gas               | 1874' |         |
| Little Lime                                |       |              | 1875 | 1892   |                   |       |         |
| Pencil Cave                                |       |              | 1892 | 1896   |                   |       |         |
| Big Lime                                   |       |              | 1896 | 1959   | Oil               | 1912' | Show    |
| Big Injun                                  |       |              | 1959 | 2030   | Gas               | 1964' |         |
| Total Depth                                |       |              |      | 2086   |                   |       |         |
| Fill with stone when cleaned out in 8/1950 |       |              |      | 2076   |                   |       |         |
| Fill with stone when cleaned out in 5/1951 |       |              |      | 2026   |                   |       |         |
| Total Depth                                |       |              |      | 2026   |                   |       |         |

