

5.24' S  
0.82' W.  
7 SE (F-12)

New Location   
 Drill Deeper   
 Abandonment

MAP SHEET 1133 H-6, F.B. 1237, P. 142

|                             |                              |
|-----------------------------|------------------------------|
| Company                     | HOPE NATURAL GAS CO.         |
| Address                     | CLARKSBURG W.VA.             |
| Farm                        | D. T. BOLNER                 |
| Tract                       | Acres 100 Lease No. 58746    |
| Well (Farm) No.             | Serial No. 10301             |
| Elevation (Spirit Level)    | 2290'                        |
| Quadrangle                  | THORNTON - SE                |
| County                      | PRESTON District RENO        |
| Engineer                    | Guy H. Bradley               |
| Engineer's Registration No. | 2425                         |
| File No.                    | Drawing No.                  |
| Date                        | 10/27/60 Scale 1" = 40 POLES |

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

**WELL LOCATION MAP**  
 FILE NO. PRES-88

+ 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.

5-0 260

Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle THORNTON

Permit No. PRE-88

WELL RECORD

Oil or Gas Well Dry  
(KIND)

Company Hope Natural Gas Company  
 Address Clarksburg, W. Va.  
 Farm D. T. Bolner Acres 100  
 Location (waters) \_\_\_\_\_  
 Well No. 10301 Elev. 2290  
 District Keno County Preston  
 The surface of tract is owned in fee by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Mineral rights are owned by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Drilling commenced 11-28-60  
 Drilling completed 5-11-61  
 Date Shot Not From \_\_\_\_\_ To \_\_\_\_\_  
 With \_\_\_\_\_  
 Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume Dry Cu. Ft. \_\_\_\_\_  
 Rock Pressure ????? lbs. \_\_\_\_\_ hrs.  
 Oil None bbls., 1st 24 hrs. \_\_\_\_\_  
 WELL ACIDIZED No  
 WELL FRACTURED No

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              | Kind of Packer |
| 16                |                  |              |                |
| 13                | <u>111</u>       | <u>111</u>   |                |
| 10                | <u>538</u>       | <u>538</u>   | Size of        |
| 8 1/4             | <u>1827</u>      | <u>1827</u>  |                |
| 6 3/4             | <u>5804</u>      | <u>5804</u>  | Depth set      |
| 5 3/16            |                  |              |                |
| 3                 |                  |              | Perf. top      |
| 2                 |                  |              | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
7" casing cemented with 100 bags uniflo

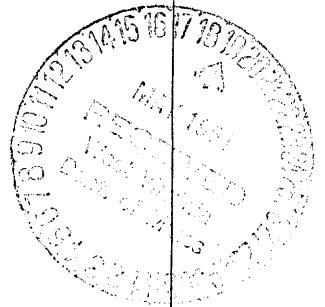
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
None FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water \_\_\_\_\_ Feet Salt Water 6120-23' Feet

| Formation                              | Color | Hard or Soft | Top  | Bottom      | Oil, Gas or Water | Depth        | Remarks         |
|--|-------|--------------|------|-------------|-------------------|--------------|-----------------|
| Surface                                |       |              | 0    | 12          |                   |              |                 |
| Rock                                   |       |              | 12   | 30          |                   |              |                 |
| Slate                                  |       |              | 30   | 90          |                   |              |                 |
| Lime                                   |       |              | 90   | 115         |                   |              |                 |
| Slate                                  |       |              | 115  | 264         | <u>5794</u>       | <u>6045</u>  |                 |
| Lime                                   |       |              | 264  | 305         | <u>2290</u>       | <u>2290</u>  |                 |
| Slate                                  |       |              | 305  | 460         |                   |              |                 |
| Lime                                   |       |              | 460  | 525         | <u>3504</u>       | <u>3755</u>  |                 |
| Slate                                  |       |              | 525  | 538         |                   |              |                 |
| Lime                                   |       |              | 538  | 625         |                   |              |                 |
| Slate                                  |       |              | 625  | 737         |                   |              |                 |
| Lime                                   |       |              | 737  | 995         |                   |              |                 |
| Slate                                  |       |              | 995  | 1105        |                   |              |                 |
| Lime                                   |       |              | 1105 | 1240        |                   |              |                 |
| Slate                                  |       |              | 1240 | 1320        |                   |              |                 |
| Lime                                   |       |              | 1320 | 1505        |                   |              |                 |
| Slate                                  |       |              | 1505 | 1595        |                   |              |                 |
| Lime                                   |       |              | 1595 | 1820        |                   |              |                 |
| Slate                                  |       |              | 1820 | 2086        |                   |              |                 |
| Lime                                   |       |              | 2086 | 2119        |                   |              |                 |
| Benson                                 |       |              | 2119 | 2252        |                   |              |                 |
| Slate & shell                          |       |              | 2252 | 4264        |                   |              |                 |
| Lime                                   |       |              | 4264 | 4421        |                   |              |                 |
| Slate & Shell                          |       |              | 4421 | 4570        |                   |              |                 |
| Brown Shale                            |       |              | 4570 | 5067        |                   |              |                 |
| <del>Brown Shale</del> Tully Limestone |       |              | 5067 | 5133        |                   |              |                 |
| Brown Shale                            |       |              | 5133 | 5750        |                   |              |                 |
| Marcellus Shale                        |       |              | 5750 | 5794        |                   |              |                 |
| Onondaga                               |       |              | 5794 | 5807        |                   |              |                 |
| Chert                                  |       |              | 5807 | 6045        |                   |              |                 |
| Oriskany                               |       |              | 6045 | (over) 6136 |                   |              |                 |
| TOTAL DEPTH                            |       |              |      |             | <u>No Gas</u>     |              |                 |
|  |       |              |      |             |                   | <u>Water</u> | <u>6120-23'</u> |



175