



3.91S  
4.02W      4.0 S  
                 4.1 W

ABD.

Company Hope Natural Gas Co. 0384  
 Address Clarksburg, W. Va.  
 Farm J. W. Duffy  
 Tract 1  
 Acres 1-7/8  
 Lease 44592  
 Serial No. 7323  
 Elevation 938 (Spirit Level)  
 Quadrangle Clarksburg SE.  
 County Harrison  
 District Clark  
 Engineer W. M. Bowers  
 Eng. Reg. No. 900  
 Date June 14, 1938  
 Scale 1" = 100'

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL & GAS DIVISION  
 Charleston

WELL LOCATION MAP

File No. Har-439-A

X Denotes location of well on U. S. 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.

439A

Clark District, Harrison County, W. Va.  
 By Hope Natural Gas Co., Clarksburg, W. Va.  
 On 1-7/8 acres, on Elk Creek.  
 Elevation, 935' L.

Drilling commenced Dec. 30, 1914; completed, Feb. 9, 1915.

Drilled deeper Feb. 4, 1930.

Shot Jan. 21, 1930, at 3053-3059'.

No fresh water recorded; salt water at 700'.

10" casing, 170'; 8", 900'; 6", 1465'; 5", 2841'; 4" liner.....?

Casing not cemented. No coal was encountered.

Gas well. Abandonment reported to Dept. of Mines June 15, 1938.

Record to ROT from Mrs. Griffith August 12, 1938.

|                                   | Top. | Bottom. |
|-----------------------------------|------|---------|
| Little Dunkard Sand               | 288  | - 318   |
| Big Dunkard Sand                  | 360  | - 385   |
| First Salt Sand (water, 700')     | 670  | - 765   |
| Second Salt Sand                  | 780  | - 850   |
| Big Lime                          | 1325 | - 1390  |
| Big Injun Sand                    | 1390 | - 1485  |
| Gantz Sand                        | 1800 | - 1815  |
| Fifty-foot Sand (show gas, 1896') | 1830 | - 1945  |
| Thirty-foot Sand                  | 1955 | - 2045  |
| Stray Sand                        | 2138 | - 2153  |
| Gordon Sand                       | 2192 | - 2210  |
| Fourth Sand                       | 2263 | - 2277  |
| Fifth Sand (gas, 2334-2360')      | 2332 | - 2471  |
| Speechley Sand (gas, 3054-3056')  | 3052 | - 3062  |
| Total depth                       |      | 3093    |

OG-1  
 439-A

WEST VIRGINIA DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

350

WELL RECORD

Permit No. ....

Oil or Gas Well..... Gas  
 (Kind)

Company **Hope Natural Gas Company**  
 Address **Clarksburg, W. Va.,**  
 Farm **J. W. Duffy** Acres **1-7/8**  
 Location (waters) **Elk Creek**  
 Well No. **7323** Elev. **938**  
 District **Clark** County **Harrison**  
 The surface of tract is owned in fee by.....  
 Address.....  
 Mineral rights are owned by.....  
 Address.....  
 Drilling commenced **12-30-1914**  
 Drilling completed **2-9-1915. Deeper 2-4-1930**  
 Date shot **1-21-1930** Depth of shot **3053-3059**  
 Open Flow /10ths Water in..... Inch  
 /10ths Merc. in..... Inch  
 Volume..... Cu. Ft.  
 Rock Pressure..... lbs..... hrs.  
 Oil..... bbls., 1st 24 hrs.  
 Fresh water **None recorded** feet..... feet  
**700**  
 Salt water..... feet..... feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers             |
|-------------------|------------------|--------------|---------------------|
| Size              |                  |              |                     |
| 16.....           |                  |              | Kind of Packer..... |
| 13.....           |                  |              |                     |
| 10.....           | <b>170</b>       | <b>170</b>   | Size of.....        |
| 8 1/4.....        | <b>900</b>       | <b>900</b>   |                     |
| 6 5/8.....        | <b>1465</b>      | <b>1465</b>  | Depth set.....      |
| 5 3/16.....       | <b>2841</b>      | <b>2841</b>  |                     |
| 3.....            |                  |              | Perf. top.....      |
| 2.....            |                  |              | Perf. bottom.....   |
| Liners Used.....  |                  |              | Perf. top.....      |
| <b>4"</b>         |                  |              | Perf. bottom.....   |

CASING CEMENTED..... SIZE..... No. FT..... Date  
**Not cemented**  
 COAL WAS ENCOUNTERED AT..... FEET..... INCHES  
**No coal**  
 FEET..... INCHES..... FEET..... INCHES  
 FEET..... INCHES..... FEET..... INCHES

| Formation           | Color | Hard or Soft | Top  | Bottom | Oil Gas or Water | Depth Found | Remarks |
|---------------------|-------|--------------|------|--------|------------------|-------------|---------|
| Little Dunkard Sand |       |              | 288  | 318    |                  |             |         |
| Big Dunkard Sand    |       |              | 360  | 385    |                  |             |         |
| First Salt Sand     |       |              | 670  | 765    | Water            | 700         |         |
| Second Salt Sand    |       |              | 780  | 850    |                  |             |         |
| Big Lime            |       |              | 1325 | 1390   |                  |             |         |
| Big Injun Sand      |       |              | 1390 | 1485   |                  |             |         |
| Gents Sand          |       |              | 1800 | 1815   |                  |             |         |
| Fifty Foot Sand     |       |              | 1830 | 1945   | Show Gas         | 1896        |         |
| Thirty Foot Sand    |       |              | 1955 | 2045   |                  |             |         |
| Stray Sand          |       |              | 2138 | 2153   |                  |             |         |
| Gordon Sand         |       |              | 2192 | 2210   |                  |             |         |
| Fourth Sand         |       |              | 2263 | 2277   |                  |             |         |
| Fifth Sand          |       |              | 2332 | 2371   | Gas              | 2334-2360   |         |
| Speechley Sand      |       |              | 3052 | 3062   | Gas              | 3054-3056   |         |
| Total Depth         |       |              | 3093 |        |                  |             |         |



