



Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm G. W. Pyles
 Tract Acres 208 Lease No. 10457
 Well (Farm) No. _____ Serial No. 3241
 Elevation (Spirit Level) 944
 Quadrangle Blacksville
 County Monongalia District Cass
 Engineer Tom Bowen
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date Dec. 7, 1939 Scale 1" = 40'

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

WELL LOCATION MAP
 FILE NO. MON-213A

+ 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

287

WELL RECORD

Permit No. *Map 213 Holmgren*

Oil or Gas Well **Gas**
(Kind)

Company **Hope Natural Gas Company**
Address **Clarksburg, W. Va.**
Farm **G. W. Pyles** Acres **208**
Location (waters) **Dunkard Creek**
Well No. **3241** Elev. _____
District **Cass** County **Monongalia**
The surface of tract is owned in fee by **S. C. Pyles**
Address **Mt. Morris, Pa.**
Mineral rights are owned by _____
Address _____
Drilling commenced **11-6-1913**
Drilling completed **12-12-1913**
Date shot **Not shot** Depth of shot _____
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
Salt water **1400** feet _____ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | |
| 16. | | | Kind of Packer |
| 13. | 192 | 192 | |
| 10. | 535 | 535 | Size of |
| 8 1/4 | 1413 | 1413 | |
| 6 3/8 | 1717 | 1717 | Depth set |
| 5 3/16 | | | |
| 3. | | | Perf. top |
| 2. | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Not cemented
COAL WAS ENCOUNTERED AT **156** FEET **48** INCHES
494 FEET **60** INCHES FEET INCHES
FEET INCHES FEET INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|----------------------------|-------|--------------------|--------------|-------------|-------------------|-----------------------|---------|
| Native Coal | | | 156 | 160 | | | |
| Pittsburgh Coal | | | 494 | 499 | | | |
| Little Dunkard Sand | | | 850 | 890 | | | |
| Big Dunkard Sand | | | 982 | 997 | | | |
| Gas Sand | | | 1045 | 1075 | | | |
| First Salt Sand | | | 1285 | 1300 | | | |
| Second Salt Sand | | | 1370 | 1440 | Water | 1400 | |
| S and | | | 1500 | 1520 | | | |
| Little Lime | | | 1660 | 1681 | | | |
| Big Lime | | | 1687 | 1745 | | | |
| Big Injun Sand | | | 1745 | | Gas | 1763-1773-1790 | |
| | | Total Depth | ----- | 1803 | | | |

Not any well

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------|-------|--------------|-----|--------|-------------------|-------------|---------|
| | | | | | | | |

Date **December 7,** 19**39**

APPROVED **Hope Natural Gas Company** Owner

By *W. Reed* **General Supt.**

(Title)

W