

- New Location...
- Drill Deeper.....
- Abandonment.....

MAP SHT. 43 E. 50. S. 43 E. 51: F.B. 1146 P. 35-40 F.B. 1154 P. 1-7.

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, WEST VA.
 Farm U.S. DEPARTMENT OF INTERIOR
 Tract _____ Acres 2395 Lease No. 4-090490
 Well (Farm) No. _____ Serial No. 9999
 Elevation (Spirit Level) 3105'
 Quadrangle HORTON-WC
 County RANDOLPH District DRYFORK
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date 6-21-56 Scale 1" = 1920'

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

WELL LOCATION MAP
 FILE NO. RAV-89

+ 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.

5-8 2nd Deepwell

JUG



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 12

Quadrangle Horton

Permit No. RAN-89

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm U.S. Dept. Of Interior Acres 2395A

Location (waters) _____
Well No. 9999 Elev. 3105'
District Dry Fork County Randolph

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____

Drilling commenced 8-10-56

Drilling completed 5-15-57

Date Shot Not shot From _____ To _____

With _____

Open Flow /10ths Water in _____ Inch

/10ths Merc. in _____ Inch

Volume 22 M Cu. Ft.

Rock Pressure 2000# lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED No

WELL FRACTURED 5-21-57

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | <u>44</u> | <u>44</u> | |
| 10 | <u>537</u> | <u>537</u> | Size of |
| 8 1/4 | <u>1931</u> | <u>1931</u> | |
| 6 3/8 | <u>6348</u> | <u>6348</u> | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

8 1/4 Cemented with 40 Bags

7 Cemented with 60 Bags

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

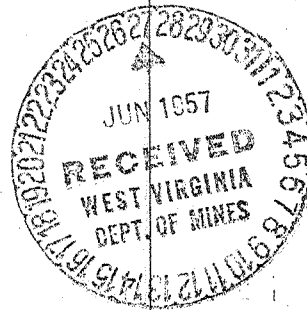
No Coal _____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT 174 M

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water 105' Feet _____ Salt Water _____ Feet _____

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|----------------|-------|--------------|------|--------|-------------------|-------|---------|
| Lime | | | 0 | 30 | | | |
| Slate | | | 30 | 60 | | | |
| Black Lime | | | 60 | 74 | | | |
| Slate Shells | | | 74 | 95 | | | |
| Lime | | | 95 | 374 | Water | 105 | |
| Sand | | | 374 | 420 | | | |
| Gritty Lime | | | 420 | 780 | | | |
| Slate Shells | | | 780 | 832 | | | |
| Sand | | | 832 | 850 | | | |
| Slate Shells | | | 850 | 880 | | | |
| Gritty Lime | | | 880 | 1000 | | | |
| Slate Shells | | | 1000 | 1050 | | | |
| Gritty Lime | | | 1050 | 1960 | | | |
| Slate & Shells | | | 1960 | 2100 | | | |
| Gray Lime | | | 2100 | 2150 | | | |
| Broken Lime | | | 2150 | 2180 | | | |
| Slate Shells | | | 2180 | 3290 | | | |
| Lime | | | 3290 | 3400 | | | |
| Slate Shells | | | 3400 | 4325 | | | |
| Shale | | | 4325 | 4410 | | | |
| Slate Shells | | | 4410 | 4810 | | | |
| Gray Lime | | | 4810 | 4950 | | | |
| Slate Shells | | | 4950 | 5050 | | | |
| Shale | | | 5050 | 5144 | | | |
| Lime | | | 5144 | 5180 | | | |
| Dark Shale | | | 5180 | 5724 | | | |
| Lime | | | 5724 | 5780 | | | |
| Shale | | | 5780 | 5835 | | | |
| TULLEY LIME | | | 5835 | 5867 | | | |



| Formation | Color | Hard or Soft | Top $\frac{1}{2}$ | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|--------------|-------|--------------|-------------------|--------|-------------------|-------------|---------|
| Dark Shale | | | 5867 | 5958 | | | |
| Shale & Lime | | | 5958 | 5988 | | | |
| Brown Break | | | 5988 | 6284 | | | |
| ONONDAGA | | | 6284 | 6362 | | | |
| CHERT | | | 6362 | 6511 | | | |
| ORISKANY | | | 6511 | 6710 | Gas | 6650' | |
| HELDERBERG | | | 6710 | 6730 | | | |
| Total Depth | | | | 6730' | | | |
| | | | | 6284 | 6511 | | |
| | | | | 3105 | 3105 | | |
| | | | | -3179 | -3406 | | |

Date WK June 26, 1957, 19

APPROVED Hope Natural Gas Company, Owner

By Jack Parley
(Title)