

1.685  
0.18W  
#5601

0.19W  
1.7 Q

1.875  
0.18W  
#3498

0.19W  
1.9 Q

Abd. 3498

Company Hope Natural Gas Co 0384  
 Address Clarksburg, W. Va.  
 Farm John R. Stout  
 Tract Acres 130 Lease No  
 Well(Farm)No. Serial No 3498  
 Elevation (Spirit Level) 1067 - 1083  
 Quadrangle Clarksburg SE  
 County Harrison District Simpson  
 Engineer J. C. Clark  
 Engineer's Registration No. 744  
 File No Drawing No  
 Date 9-20-37 Scale 1" = 80 Po

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

WELL LOCATION MAP  
 File No. HAR-403A  
 31618

+ 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.

F.B. 514 P. 17-21



15' Loc Entered

JOHN R. STOUT NO. 5601 WELL.

1618A

Simpson District, Harrison County, W. Va.  
By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.  
Abandoned under permit Har-----A? (May be 1618-A--no plat; no name).  
On 130 acres.  
Elevation, 1062' L.  
Drilling commenced Oct. 6, 1919; completed Dec. 8, 1919.  
Shot Dec. 6, 1919, at 2372-2378', with 30 qts.  
Fresh water at 80, 602-615'.  
No salt water.  
6 3/8" casing, 1317'; 5", 2020'; all left in. *on plat 403A*  
No cementing.  
Starts below coal.  
Gas well. Record to Dept. of Mines dated June 14, 1954.  
Record to RCT from Mrs. Griffith April 22, 1955. Old File No. 1506.

|                                   | Top. | Bottom. |
|-----------------------------------|------|---------|
| Little Dunkard Sand               | 365  | - 400   |
| Big Dunkard Sand                  | 450  | - 475   |
| Gas Sand                          | 510  | - 590   |
| 1st Salt Sand                     | 610  | - 640   |
| 2nd Salt Sand                     | 725  | - 760   |
| 3rd Salt Sand                     | 810  | - 835   |
| Little Line                       | 1192 | - 1221  |
| Pencil Cove                       | 1221 | - 1231  |
| Big Line                          | 1231 | - 1350  |
| Big Injun Sand                    | 1350 | - 1442  |
| Squaw Sand                        | 1445 | - 1470  |
| Berea Sand                        | 1550 | - 1585  |
| Fifty-foot Sand (gas, 1812')      | 1807 | - 1927  |
| Thirty-foot Sand                  | 1938 | - 1980  |
| Gordon Stray Sand (gas, 2015-18') | 1990 | - 2032  |
| Gordon Sand                       | 2045 | - 2055  |
| Fifth Sand                        | 2165 | - 2180  |
| Bayard Sand (gas, 2378')          | 2370 | - 2383  |
| Total depth                       |      | 2413    |



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

1506

Permit No. 1618-A

WELL RECORD

Oil or Gas Well Oil (KIND)

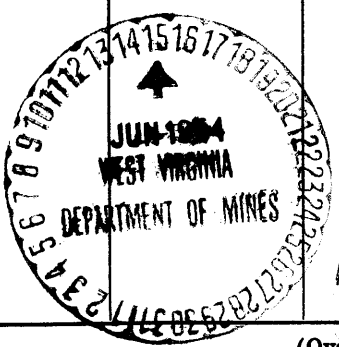
Company Hope Natural Gas Company  
Address 445 West Main St., Clarksburg, W. Va.  
Farm John R. Stout Acres 130  
Location (waters) \_\_\_\_\_  
Well No. 5601 Elev. 1062'  
District Simpson County Harrison  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 10-6-19  
Drilling completed 12-4-19  
Date Shot 12-6-19 From 2372 To 2378  
With 30 Qts.

| Casing and Tubing | Used in Drilling | Left in Well | Packers              |
|-------------------|------------------|--------------|----------------------|
| Size              |                  |              |                      |
| 16                |                  |              | Kind of Packer _____ |
| 13                |                  |              |                      |
| 10                |                  |              | Size of _____        |
| 8 1/4             |                  |              |                      |
| 6 1/2             | <u>1317</u>      | <u>1317</u>  | Depth set _____      |
| 5 3/16            | <u>2020</u>      | <u>2020</u>  |                      |
| 3                 |                  |              | Perf. top _____      |
| 2                 |                  |              | Perf. bottom _____   |
| Liners Used       |                  |              | Perf. top _____      |
|                   |                  |              | Perf. bottom _____   |

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 80,602, 615 feet \_\_\_\_\_ feet  
Salt water None feet \_\_\_\_\_ feet

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
No Cementing  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
Below 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 |       |              | 365                | 400    | Water             | 80          |         |
| Big Dunkard    |       |              | 450                | 475    |                   |             |         |
| Gas Sand       |       |              | <del>475</del> 510 | 590    |                   |             |         |
| 1st Salt       |       |              | 610                | 640    | Water             | 602 - 615   |         |
| 2nd Salt       |       |              | 725                | 760    |                   |             |         |
| 3rd Salt       |       |              | 810                | 835    |                   |             |         |
| Little Lime    |       |              | 1192               | 1221   |                   |             |         |
| Pencil Cave    |       |              | 1221               | 1231   |                   |             |         |
| Big Lime       |       |              | 1231               | 1350   |                   |             |         |
| Big Injun      |       |              | 1350               | 1442   |                   |             |         |
| Squaw          |       |              | 1445               | 1470   |                   |             |         |
| Berea          |       |              | 1550               | 1585   |                   |             |         |
| Fifty Feet     |       |              | 1807               | 1927   | Gas               | 1812        |         |
| Thirty Feet    |       |              | 1938               | 1980   |                   |             |         |
| Gordon Stray   |       |              | 1990               | 2032   | Gas               | 2015-18     |         |
| Gordon         |       |              | 2045               | 2055   |                   |             |         |
| Fifth          |       |              | 2165               | 2180   |                   |             |         |
| Bayard         |       |              | 2370               | 2383   | Gas               | 2378        |         |
| Total Depth    |       |              |                    | 2413'  |                   |             |         |



APR 22 1955



Well No. **5601** NAME *John R. Stout*

LEASE NO. **17534** ACRES **130** N. **11** E. **20** W.

DISTRICT *Bradford*

DISTRICT *Simpson*  
 COUNTY *Harrison* **1618-A**

LOCATED *July 31, 1919.*  
 COMMENCED *August 4, 1919.*  
 COMPLETED *December 4, 1919.*  
 CONTRACTOR *T. E. Williams Co.*

PURCHASED FROM  
 DATE PURCHASED  
 DATE SHUT IN  
 DATE CONNECTED *December 10, 1919.*  
 DATE TURNED ON *December 10, 1919.*

DATE TURNED OFF  
 DATE DISCONNECTED  
 SOLD TO  
 DATE SOLD  
 DATE RE-PURCHASED  
 DATE PLUGGED  
 DATE ABANDONED

\$ <sup>25</sup> Per Foot

RECORD

| FORMATION                     | TOP             | BOTTOM          | OIL AT | GAS AT | WATER AT | FRESH OR SALT |
|-------------------------------|-----------------|-----------------|--------|--------|----------|---------------|
| Pittsburgh Coal               |                 |                 |        |        |          |               |
| Big Dunkard                   | 370'            | 408'            |        |        |          |               |
| <del>Gas Sand</del>           | <del>522'</del> | <del>650'</del> |        |        |          |               |
| 1st. Salt                     | 710'            | 755'            |        |        |          |               |
| 2nd. Salt                     | 810'            | 855'            |        |        |          |               |
| Little Lime                   | 1243'           | 1260'           |        |        |          |               |
| Big Lime                      | 1275'           | 1400'           |        |        |          |               |
| Injun                         | 1400'           | 1472'           |        |        |          |               |
| 50 Foot--                     | 1805'           | 1963'           |        |        |          |               |
| Stray Sand                    | <del>1990</del> | <del>2007</del> |        |        |          |               |
| Gordon Sand                   | <del>2045</del> | <del>2055</del> |        |        |          |               |
| Fourth Sand                   |                 |                 |        |        |          |               |
| Fifth Sand                    | <del>2165</del> | <del>2180</del> |        |        |          |               |
| Bayard Sand                   | <del>2270</del> | <del>2383</del> |        |        |          |               |
| Cemented solid 1950' to 1912' |                 |                 |        |        |          |               |
| TOTAL DEPTH <del>2473</del>   |                 |                 |        |        |          |               |

Gamma-Ray Survey-

CASING AND TUBING

| SIZE             | PUT IN WELL   | PULLED                     | CEMENTED              |
|------------------|---------------|----------------------------|-----------------------|
| 13 in. Casing    |               |                            | Date                  |
| 10 in. Casing    |               | 114' 11"                   | Size Casing           |
| 8 1/2 in. Casing | 114' 11" S.L. | 867' 3"                    | Top Ft                |
| 6 3/4 in. Casing | 1317' 3"      | 1317'                      | Bottom Ft             |
| 5 1/2 in. Casing | 2020'         | 1940' 510' 61' 61' 61' 61' |                       |
| 2 in. Tubing     | 2410'         | 2413'                      | 8" cement to surface- |
| 1 in. Tubing     | 1778'         | 5" " " "                   |                       |

SHOOTING

| DATE    | QTS. | SAND   | VOLUME BEFORE | VOLUME AFTER |
|---------|------|--------|---------------|--------------|
| 12-6-19 | 30   | Bayard | 321,888       | 440,000      |
| 11-1-34 | 30   | Strata | 16,000        | 341,000      |

*6-9-34*

|            |                   |   |     |
|------------|-------------------|---|-----|
| Sept. 1934 | 4" 14"            | " | 200 |
| Sept. 1935 | 5" 20"            | " | 208 |
| Sept. 1936 | 4" 27"            | " | 198 |
| " 1937     | 2" 15"            | " | 187 |
| Sept. 1938 | 1 1/2 mo. 30 days | " | 208 |
| " 1939     | 2 1/2 yr " 7"     | " | 215 |
| " 1940     | 15"               | " | 146 |
| Aug. 1941  | 4" 15"            | " | 167 |
| Th. 1942   | 4 mos. - 5 days   | " | 152 |
| Sept. 1943 | Not shown         | " | 116 |

REPAIRS TO WELL

| COMMENCED | COMPLETED | DRILLED DEEPER |          | SHOT | VOLUME |       | ROCK PRESSURE |       |   |
|-----------|-----------|----------------|----------|------|--------|-------|---------------|-------|---|
|           |           | From (Ft.)     | To (Ft.) |      | Before | After | Before        | After |   |
| 5-10-54   | 1-14-59   | →              | →        | NO   | 2,000  | 2,000 |               |       | Drilled<br>2-2-54<br>5-8-54<br>2-17-55<br>6-17-47-16<br>6-21-48-17<br>7-28-53-12M<br>362-219M Ster. |

ROYALTY 75<sup>00</sup> gals. 6-4-54  
 REDUCED TO 50<sup>00</sup> gals. 6-4-54  
 REDUCTION SENT  
 REFUSED.  
 Increased to 75<sup>00</sup> gals 3-1-55

1618P