

Permit No.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

## (64

WELL RECORD

| Oibror   | Gas   | Well  |
|----------|-------|-------|
| "AND THE | CIGIO | 11011 |

(KIND)

Date

\_INCHES

|   |         |                     |                       |                     |                 | (Rine)              |
|---|---------|---------------------|-----------------------|---------------------|-----------------|---------------------|
| Company Hope Natural Address 445 West Mair                        |         |                     | Casing and<br>Tubing  | Used in<br>Drilling | Left in<br>Well | Packers             |
| Farm E.E.Post Location (waters) Well No. 4151                     |         |                     | Size                  |                     |                 | Kind of Packer      |
| District Hackers Creek The surface of tract is owned i            |         | Assessed 1          | 13<br>10<br>8¼        | 218                 | Pulled<br>961   | Size of             |
| Mineral rights are owned by                                       | Address |                     | 6%<br>5 3/16          | 1684                | 1684            | Depth set           |
| Drilling commenced May 2  Drilling completed July  Date Shot From | 8, 1916 |                     | 3<br>2<br>Liners Used | 2564                | Pulled          | Perf. top Perf. top |
| With  | r in    |                     |                       |                     | VOT             | Perf. bottom        |
| Volume  |         | Cu. Ft.             | CASING CEMI           | ENTED               | Below o         | No. Ft.             |
| Oil   |         | _bbls., 1st 24 hrs. |                       |                     | AT              | FEET IN             |
| Salt water 945  | feet    | feet                | FEE                   |                     | HES             |                     |

| Oil              |                |                 | _bbls., 1st 24 hrs.       |  |                             |                           |         |
|------------------|----------------|-----------------|---------------------------|--|-----------------------------|---------------------------|---------|
| Fresh waternc    | one recode     | ed_feet         | feet                      | FEET   | INCHI                       | ESFEET                    | INCHES  |
| Salt water       | 945            | feet            | feet                      | FEET   | INCHI                       | ESFEET                    | INCHES  |
| Formation        | Color          | Hard or<br>Soft | Тор                       | Bottom   | Oil, Gas<br>or Water        | Depth<br>Found            | Remarks |
| Big D<br>Gas s   | unkard<br>and  |                 | 508<br>730                | 53.5<br>79.0                                   |                             |                           |         |
| First<br>Second  | Salt<br>d Salt |                 | 818<br>910                | 860  | hole full                   | water 949                 |         |
| Big Li<br>Big I  |                |                 | 1620<br>1681              | 1681<br>1795                                   |                             |                           |         |
| Gantz            |                |                 | 1970                      | 1985   | (                           | )                         |         |
| Gordon           | n stray        |                 | 2315                      | 2360   |                             |                           |         |
| Fourth<br>Fifth  |                |                 | 2439<br>2495              | 2450<br>2497                                   | show gas<br>gas<br>show gas | 2425<br>2439 2445<br>2496 |         |
| Total            | depth          |                 |                           | 2566   |                             |                           |         |
|                  |                |                 | 23 8 23 WE                | 9107772737                                     |                             |                           |         |
| 4<br><br><br>    |                |                 | EST NEGERIALITY OF PARTIE | OCT 1950 ST VIRGINIA MENT OF MINES 19752422223 |                             | 1                         |         |
| At printing (in) |                | Bott A          | 3,00                      | postabi  | or Water                    | a-sering<br>archip        |         |

| Formation  | Color         | Hard or<br>Soft  | Тор  | Bottom   | Oil, Gas<br>or Water | Depth<br>Found                              | Remarks  |
|--|---------------|------------------|--|--|----------------------|---|----------|
|  |               |                  |  |  |                      |   |          |
|  |               |                  | 100  |  |                      |   |          |
|  |               |                  |  | San Market State of the San  |                      |   |          |
|  |               |                  |  | 1125   |                      |   |          |
|  |               |                  | N. N.  |  |                      |   |          |
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|  |               |                  |  |  |                      |   |          |
|  |               |                  |  |  |                      | ,   |          |
|  |               |                  |  |  |                      |   |          |
|  |               | Surviva Anna     | 313  | 9984   | Esta                 | and the                                     |          |
|  |               |                  | 97.00  | MARKET TO SERVICE TO S |                      |   |          |
|  |               |                  | 72.00  | 720  |                      |   |          |
|  | i a           |                  | 1003   | 100  |                      |   |          |
|  |               |                  | 7000   | Tito   |                      |   |          |
|  |               |                  |  | 110  | Jan 2 4 2 5 5 3 3    |   |          |
|  |               |                  | 200  | 2.0  |                      |   |          |
|  |               |                  |  |  | an market            | E (MINE)                                    |          |
|  | Color         | Bard or          |  | Series Series  | SH Water             | Form:                                       | Remarks  |
|  |               |                  |  | 100  | E INCH               | 18 9 18 18 18 18 18 18 18 18 18 18 18 18 18 | THORNS . |
|  |               | 7.00             | The State of the S | CON*C MVE E  | MODURIESED           | A parent south                              | MOHES    |
|  | man gen       |                  | CF LC  | Prairie Cap  | ENASO B              | real No. 1                                  | bato.    |
|  | /10163 W-2502 |                  | 1000   |  |                      |   |          |
|  |               | 2016             |  | Agency Deed  |                      | 500   | e poplan |
|  | N 255 TE      | Telly<br>Project |  | 88/18  |                      | 200   | reli     |
|  | enting til    | ensulus          | ,  | S. Commission of the second  | 10.7                 | 1605 pn                                     | (p ko;   |
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| Late of the Control o |               |                  | 100 TO   | 200  |                      |   |          |
| Comment (200)  | THE STATE     |                  |  | County and   | these in<br>desiring | Interior                                    |          |
|  |               |                  | A STATE OF THE STA |  |                      | Mings Can V                                 |          |
|  |               |                  | METT   | RECORE   |                      |   |          |
|  |               |                  | COLUMN TO THE PARTY OF THE PART | COLUMN TWO IS NOT THE OWNER.   |                      |   |          |

MATHEWS PRINTING AND LITHOGRAPHING CO

APPROVED Hope Natural Gas Company

E. H. Tollefson

General Superintendent

(Title)

\_\_\_\_, Owner