

Company Columbian Carbon Co.

Address Box 873 Charleston, W. Va.

Farm LEWIS MAXWELL

Tract \_\_\_\_\_ Acres 2654.88 Lease No. C-32-A

Well (Farm) No. 8A-32A-37A Serial No. GW-65-89-97

Elevation (Spirit Level) See wells

Quadrangle Holbrook 1-NE

County Doddridge District West Union

Engineer Wendell S. Moore

Engineer's Registration No. 2113

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date Sept. 3, 1952 Scale 1" = 1320'

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

**WELL LOCATION MAP**

FILE NO. DOD-936-A-#32-A  
DOD-937-A-#37-A

+ 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

919

WELL RECORD

Permit No. 946 A

Oil or Gas Well Gas

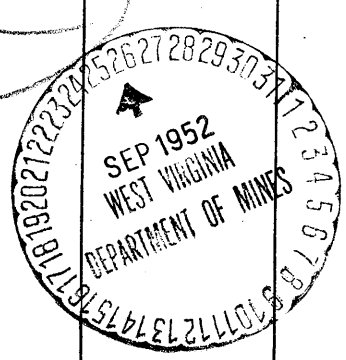
Company Columbian Carbon Co  
Address Box 873, Charleston 23, W. Va.  
Farm Lewis Maxwell Acres 265 1/4  
Location (waters) Arnolds Creek  
Well No. 32-A, GW-89 Elev. 946'  
District West Union County Doddridge  
The surface of tract is owned in fee by Lewis Maxwell  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 9-19-19 D.D. 8-20-41  
Drilling completed 10-30-19 D.D. 9-3-41  
Date Shot not shot From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size of Conduit   | 23'              | 23'          |                |
| 16                |                  |              | Kind of Packer |
| 13                |                  |              |                |
| 10"               | 616'             | 616'         | Size of        |
| 8 1/4"            | 1134'            | 1134'        |                |
| 6"                | 1486'            | 1486'        | Depth set      |
| 5 3/16"           | 1639'            | 1639'        |                |
| 3                 |                  |              | Perf. top      |
| 2                 |                  |              | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

| Formation   | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth Found | Remarks   |
|-------------|-------|--------------|------|--------|-------------------|-------------|-----------|
| Gravel Sand |       |              | 0    | 23     |                   |             |           |
| Red Rock    |       |              | 23   | 60     |                   |             |           |
| Lime        |       |              | 60   | 80     |                   |             |           |
| Sand        |       |              | 80   | 170    |                   |             |           |
| Red Rock    |       |              | 170  | 210    |                   |             |           |
| Slate       |       |              | 210  | 290    |                   |             |           |
| Lime        |       |              | 290  | 320    |                   |             |           |
| Red Rock    |       |              | 320  | 345    |                   |             |           |
| Lime        |       |              | 345  | 400    |                   |             |           |
| Slate       |       |              | 400  | 415    |                   |             |           |
| Lime        |       |              | 415  | 435    |                   |             |           |
| Slate       |       |              | 435  | 485    |                   |             |           |
| Red Rock    |       |              | 485  | 520    |                   |             |           |
| Sand        |       |              | 520  | 570    |                   |             |           |
| Slate       |       |              | 570  | 590    |                   |             |           |
| Red Rock    |       |              | 590  | 605    |                   |             |           |
| Slate       |       |              | 605  | 630    |                   |             |           |
| Gritty Lime |       |              | 630  | 670    |                   |             |           |
| Slate       |       |              | 670  | 725    |                   |             |           |
| Lime        |       |              | 725  | 780    |                   |             |           |
| Sand        |       |              | 780  | 800    |                   |             |           |
| Slate       |       |              | 800  | 820    |                   |             |           |
| Lime        |       |              | 820  | 850    |                   |             |           |
| Slate       |       |              | 850  | 920    |                   |             |           |
| Sand        |       |              | 920  | 978    |                   |             |           |
| Slate       |       |              | 978  | 1030   |                   |             |           |
| Sand        |       |              | 1030 | 1147   | S. water          | 1108'       | hole full |
| Slate       |       |              | 1147 | 1195   |                   |             |           |
| Sand        |       |              | 1195 | 1220   |                   |             |           |
| Slate       |       |              | 1220 | 1325   |                   |             |           |
| Sand        |       |              | 1325 | 1340   |                   |             |           |
| Slate       |       |              | 1340 | 1375   |                   |             |           |
| Lime        |       |              | 1375 | 1445   |                   |             |           |
| Slate       |       |              | 1445 | 1486   |                   |             |           |
| Maxon Sand  |       |              | 1486 | 1540   | Water             | 1500'       |           |
| Slate       |       |              | 1540 | 1542   | S. water          | 1544'       | hole full |
| Lime        |       |              | 1542 | 1588   |                   |             |           |
| Slate       |       |              | 1588 | 1600   |                   |             |           |
| Sand        |       |              | 1600 | 1610   |                   |             |           |



| Formation        | Color | Hard or Soft | Top                   | Bottom | Oil, Gas or Water | Depth Found | Remarks           |
|------------------|-------|--------------|-----------------------|--------|-------------------|-------------|-------------------|
| Big Lime         |       |              | 1610                  | 1675   |                   |             |                   |
| Big Injun Sand   |       |              | 1675                  | 1754   | Gas               | 1690'       |                   |
|                  |       |              |                       |        | Gas               | 1751'       | 1,150,000 cu. ft. |
|                  |       |              | Total depth - - - - - |        |                   |             |                   |
|                  |       |              |                       | 1757'  |                   |             |                   |
| Drilled deeper:  |       |              |                       |        |                   |             |                   |
| Lime             |       |              | 1757                  | 1835   |                   |             |                   |
| Slate            |       |              | 1835                  | 1858   |                   |             |                   |
| Lime             |       |              | 1858                  | 1895   |                   |             |                   |
| Slate            |       |              | 1895                  | 1907   |                   |             |                   |
| Hard Gantz Sand  |       |              | 1907                  | 2067   |                   |             |                   |
| Lime Shells hard |       |              | 2067                  | 2323   |                   |             |                   |
| Slate            |       |              | 2323                  | 2330   |                   |             |                   |
| Gordon Sand      |       |              | 2330                  | 2340   |                   |             |                   |
| Slate            |       |              | 2340                  | 2358   | gas               | 2338'       |                   |
|                  |       |              | TOTAL DEPTH- - - - -  |        |                   |             |                   |
|                  |       |              |                       | 2358'  |                   |             |                   |

Date \_\_\_\_\_, 19\_\_

APPROVED \_\_\_\_\_, Owner

By \_\_\_\_\_ (Title)