



New Location   
 Drill Deeper   
 Abandonment

Company OWENS-ILLINOIS GLASS CO. GAS DEPT.  
 Address BOX 2111 CHARLESTON 28, W.VA.  
 Farm JULIA A. SNIDER  
 Tract \_\_\_\_\_ Acres 28 Lease No. 208  
 Well (Farm) No. 1 Serial No. 46  
 Elevation (Spirit Level) 976.6  
 Quadrangle BLACKSVILLE  
 County MONONGALIA District GRANT  
 Engineer T.S. Flournoy  
 Engineer's Registration No. 269  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date AUG. 31, 1944 Scale 1 in. = 660 FT.

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

**WELL LOCATION MAP**  
 FILE NO. MON-305-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

OWENS-ILLINOIS GLASS COMPANY, GAS DEPARTMENT

Mon  
305-A

Record of Well No. 46 on Julia Snider Farm  
in Grant District, Monongalia County

Elevation: 976.6 ft. Commenced 3-26-1923. Completed 5-28-1923.

| Formation                           | Top  | Bottom | Formation                        | Top  | Bottom |
|-------------------------------------|------|--------|----------------------------------|------|--------|
| Surface gravel, lime shells & slate | 0    | 186    | Slate & Lime                     | 1870 | 2134   |
| Mapletown Coal                      | 186  | 191    | Gantz Sand (pr, 236' - y.)       | 2134 | 2180   |
| Slate & Shells                      | 191  | 272    | Shells                           | 2180 | 2188   |
| Pittsburgh Coal                     | 272  | 276    | Fifty Foot Sand                  | 2188 | 2215   |
| Lime Shells & Slate                 | 276  | 585    | Slate & Shells                   | 2215 | 2292   |
| Little Dunkard Sand                 | 585  | 605    | Thirty Foot Sand                 | 2292 | 2308   |
| Slate & Shells & Lime               | 605  | 920    | Hard Shells                      | 2308 | 2398   |
| Hard Sand                           | 920  | 965    | Gordon Stray                     | 2398 | 2410   |
| Shale & Slate                       | 965  | 1010   | Slate & Shells                   | 2410 | 2510   |
| Black Shale                         | 1010 | 1095   | Gordon Sand                      | 2510 | 2527   |
| First Salt Sand                     | 1095 | 1155   | Shells                           | 2527 | 2576   |
| Second Salt Sand                    | 1155 | 1275   | Fourth Sand, very hard           | 2576 | 2588   |
| Shale                               | 1275 | 1300   | Shells                           | 2588 | 2634   |
| Shells & Shale                      | 1300 | 1485   | Fifth Sand, hard (pr, 236' - y.) | 2634 | 2682   |
| Red Rock                            | 1485 | 1510   | Lime Shells, & shale             | 2682 | 3050   |
| Little Lime                         | 1510 | 1543   | Lime, hard                       | 3050 | 3100   |
| Pencil Cave                         | 1543 | 1548   | Lime Shells & Shale              | 3100 | 3210   |
| Big Lime                            | 1548 | 1624   | Hard Lime                        | 3210 | 3260   |
| Injun Sand (Shungite 1706-10)       | 1624 | 1750   | Shale & Lime Shells              | 3260 | 3372   |
| Lime Shells                         | 1750 | 1810   | Total depth drilled              |      | 3372   |
| Berea Sand                          | 1810 | 1870   |                                  |      |        |
|                                     |      |        | plugged back to                  |      | 2689   |

Show of gas 1706 to 1710 ft.  
Gas 2136 " 2140 " 119,000  
" 2665 " 2669 44,000

Casings: 10" 324'  
6 5/8" 1554'

on west side of Indian ck - 1.6 mi NW of Arnettsville  
1.5 mi W. of Georgetown 2.47 mi NW of Arnettsville  
2.0 mi SE of Hazara  
0.75 mi N of 39° 35' L 2.68 mi E of 80° 10' - C - Brookville Quad



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. 305-A

Oil or Gas Well Gas  
(KIND)

Company The Owens-Illinois Glass Co., Gas Dept.  
Address P. O. Box 2111, Charleston 28, W. Va.  
Farm Julia Snider Acres 28  
Location (waters) \_\_\_\_\_  
Well No. 46 Elev. 976.6'  
District Grant County Monongalia  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_

Oil & Gas Trustees Joseph A. Snider, Hugh R. Snodgrass, R. F. D.  
rights are owned by \_\_\_\_\_  
Address Morgantown, W. Va.

Drilling commenced 3-26-23  
Drilling completed 5-28-23  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 110 M Cu. Ft.  
Rock Pressure 200 lbs. 24 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 1260 feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              |                |
| 16                |                  |              | Kind of Packer |
| 18                |                  |              |                |
| 10                | <u>324</u>       | <u>334</u>   | Size of        |
| 8 1/2             |                  |              |                |
| 6 1/2             | <u>1554</u>      | <u>1384</u>  | Depth set      |
| 5 3/16            | <u>1540</u>      |              |                |
| 3                 |                  |              | Perf. top      |
| 2                 | <u>2673</u>      | <u>2673</u>  | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 186 FEET 60 INCHES  
272 FEET 48 INCHES FEET INCHES  
FEET INCHES FEET INCHES

| Formation                           | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth Found | Remarks       |
|-------------------------------------|-------|--------------|------|--------|-------------------|-------------|---------------|
| Surface Gravel, Lime Shells & Slate |       |              | 0    | 186    |                   |             |               |
| Mapletown Coal                      |       |              | 186  | 191    |                   |             |               |
| Slate & Shells                      |       |              | 191  | 272    |                   |             |               |
| Pittsburgh Coal                     |       |              | 272  | 276    |                   |             |               |
| Lime Shells & Slate                 |       |              | 276  | 585    |                   |             |               |
| Little Dunkard Sand                 |       |              | 585  | 605    |                   |             |               |
| Slate & Shells & Lime               |       |              | 605  | 920    |                   |             |               |
| Hard Sand                           |       |              | 920  | 965    |                   |             |               |
| Shale & Slate                       |       |              | 965  | 1040   |                   |             |               |
| Black Shale                         |       |              | 1040 | 1095   |                   |             |               |
| First Salt Sand                     |       |              | 1095 | 1155   |                   |             |               |
| Second Salt Sand                    |       |              | 1155 | 1275   |                   |             |               |
| Shale                               |       |              | 1275 | 1300   | Water             | 1260        | 8 Bailers Hr. |
| Shells & Shale                      |       |              | 1300 | 1485   |                   |             |               |
| Red Rock                            |       |              | 1485 | 1510   |                   |             |               |
| Little Lime                         |       |              | 1510 | 1543   |                   |             |               |
| Pencil Cave                         |       |              | 1543 | 1548   |                   |             |               |
| Big Lime                            |       |              | 1548 | 1624   |                   |             |               |
| Injun Sand                          |       |              | 1624 | 1750   | Gas Show          | 1706-10     | No Test       |
| Lime Shells                         |       |              | 1750 | 1810   |                   |             |               |
| Berea Sand                          |       |              | 1810 | 1870   |                   |             |               |
| Slate & Lime                        |       |              | 1870 | 2134   |                   |             |               |
| Gantz Sand                          |       |              | 2134 | 2180   | Gas               | 2136-40     | 149 M         |
| Shells                              |       |              | 2180 | 2188   |                   |             |               |
| Fifty Foot Sand                     |       |              | 2188 | 2215   |                   |             |               |
| Slate & Shells                      |       |              | 2215 | 2292   |                   |             |               |
| Thirty Foot Sand                    |       |              | 2292 | 2308   |                   |             |               |
| Hard Shells                         |       |              | 2308 | 2398   |                   |             |               |
| Gordon Stray                        |       |              | 2398 | 2410   |                   |             |               |
| Slate & Shells                      |       |              | 2410 | 2510   |                   |             |               |
| Gordon Sand                         |       |              | 2510 | 2527   |                   |             |               |
| Shells                              |       |              | 2527 | 2576   |                   |             |               |
| Fourth Sand, very hard              |       |              | 2576 | 2588   |                   |             |               |
| Shells                              |       |              | 2588 | 2634   |                   |             |               |

| Formation           | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---------------------|-------|--------------|------|--------|-------------------|-------------|---------|
| Fifth Sand          |       |              | 2634 | 2682   | Gas 2665' -       | 2669'       | 149 M   |
| Lime Shells & Shale |       |              | 2682 | 3050   |                   |             |         |
| Lime, Hard          |       |              | 3050 | 3100   |                   |             |         |
| Lime Shells & Shale |       |              | 3100 | 3240   |                   |             |         |
| Hard Lime           |       |              | 3240 | 3260   |                   |             |         |
| Shale & Lime Shells |       |              | 3260 | 3372   |                   |             |         |
| Total Depth         |       |              |      | 3372   |                   |             |         |
| Plugged back to     |       |              |      | 2689   |                   |             |         |

Date August 31., 1944

APPROVED The Owens, Libbey-Owens Gas Dept., Owner

By A. F. McClain  
(Title) **Geologist**