



Latitude 39° 10'

Longitude 81° 40'

B.M. Elev. 653.48'

**Detailed Description-** About 4.75 miles east along a gravel road from the Baltimore and Ohio Railroad Station and intersection of State Highway 2 at Belleville, about 0.4 mile southeast of junction of a road southwest, about 0.25 mile southeast of a small cemetery, in the top of the northeast corner of low water concrete bridge across Mud Lick, 12 feet north of center line of road, 1/2 foot north of a 1-1/2 inch steel pipe projecting out of northeast corner of bridge and about level with road.

**DEGREE OF ACCURACY**  
ONE PART IN 200.

- Fracture
- Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.  
The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

Company UNITED FUEL GAS CO.  
 Address CHARLESTON W.VA.  
 Farm ALTON PHILLIPS  
 Tract \_\_\_\_\_ Acres 247 Lease No. 63008  
 Well (Farm) No. \_\_\_\_\_ Serial No. 25597  
 Elevation (Spirit Level) 776.97'  
 Quadrangle BELLEVILLE W.VA. WC  
 County WOOD District HARRIS  
 Engineer Adrian E. Harrison  
 Engineer's Registration No. 7230  
 File No. 56-111 Drawing No. \_\_\_\_\_  
 Date AUG. 18, 1970 scale 1" = 400'

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

WELL LOCATION MAP  
FILE NO. WOOD-594

- + 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.

1-0

Deep Well  
(Tuscarora)

NOV 9 1970



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

*Dry*  
*Gas*  
(KIND)

Quadrangle Belleville  
Permit No. WOOD-594

WELL RECORD

|   |                           |               |                   |                  |              |                |
|---|---------------------------|---------------|-------------------|------------------|--------------|----------------|
| Company                                 | United Fuel Gas Company   |               | Casing and Tubing | Used in Drilling | Left in Well | Packers        |
| Address                                 | Charleston, West Virginia |               | Size              |                  |              | Kind of Packer |
| Farm                                    | Alton Phillips            | Acres 247     | 16                |                  |              |                |
| Location (waters)                       |                           |               | 13 3/8            | 95'              | 95'          |                |
| Well No.                                | 9559 Test                 | Elev. 776.97' | 10 9 5/8"         | 2183'            | 2183'        | Size of        |
| District                                | Harris                    | County Wood   | 8 1/4             |                  |              | Depth set      |
| The surface of tract is owned in fee by |                           |               | 6 5/8             |                  |              |                |
| Address                                 |                           |               | 5 3/16            | 6084'            | 784'         |                |
| Mineral rights are owned by             |                           |               | 4 1/2             |                  |              |                |
| Address                                 |                           |               | 3                 |                  |              | Perf. top      |
| Drilling commenced                      | December 10, 1970         |               | 2                 |                  |              | Perf. bottom   |
| Drilling completed                      | December 20, 1970         |               | Liners Used       |                  |              | Perf. top      |
| Date Shot                               | From                      | To            |                   |                  |              | Perf. bottom   |

Attach copy of cementing record.

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) \_\_\_\_\_

WELL FRACTURED (DETAILS) Fracture Service by Halliburton

Well Logged by Schlumberger - Gamma Ray, Density, Temperature

RESULT AFTER TREATMENT (Initial open Flow or bbls.) \_\_\_\_\_

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_ HOURS

Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Producing Sand Clinton Depth 6085'

CASING CEMENTED 9 5/8 SIZE 2183 No. Ft. 12-17-70 Date

Amount of cement used (bags) 90

Name of Service Co. Halliburton

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 | Remarks |
|---------------------------------------|------------------|--------------|------|--------|-------------------|-------|---------|
| Brown Shale                           |                  |              | 2184 | 4395   |                   |       |         |
| ✓ Grey Lime - <i>Onondaga</i>         |                  |              | 4395 | 4490   | 4395              | 4490  | 4514    |
| ✓ Oriskany Sand                       |                  |              | 4490 | 4525   | 792               | 792   | 792     |
| ✓ Heiderburg Sand <i>&amp; Salina</i> |                  |              | 4525 | 5236   | 3603              | 3704  | 3722    |
| ✓ Newburg Sand                        |                  |              | 5236 | 5243   |                   |       |         |
| ✓ McKensie Lime                       |                  |              | 5243 | 5556   |                   |       |         |
| ✓ Keffer Sand                         |                  |              | 5556 | 5595   |                   |       |         |
| ✓ Rose Hill Shale                     |                  |              | 5595 | 5956   |                   |       |         |
| ✓ Clinton Sand                        |                  |              | 5956 | 6012   |                   |       |         |
| Grey Shale                            | <i>Tuscarora</i> |              | 6012 | 6060   |                   |       |         |
| Sand                                  |                  |              | 6060 | 6078   |                   |       |         |
| ✓ Red Shale                           | <i>Juniata</i>   |              | 6078 | 6085   |                   |       |         |

*P.I. card shows gas @ 5978 to 5984 and show gas @ 5390'*

*615*

RECEIVED  
MAR 10 1971