

|                             |                               |
|-----------------------------|-------------------------------|
| Company                     | THREE WAY GAS CO.             |
| Address                     | CLENDENIN, W. VA.             |
| Farm                        | J. M. YOUNG                   |
| Tract                       | Acres 130 Lease No.           |
| Well (Farm) No.             | 1 Serial No. F713             |
| Elevation (Spirit Level)    | 1212.64                       |
| Quadrangle                  | CLENDENIN                     |
| County                      | CLAY District UNION           |
| Engineer                    | PAUL E. JOACHIM               |
| Engineer's Registration No. | 669                           |
| File No.                    | 82-67 Drawing No.             |
| Date                        | JULY 23, 1957 Scale 1" = 400' |

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

**WELL LOCATION MAP**  
 FILE NO. CLAY-93-A *A13A*

+ 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.

*6-6 (220)*



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Clendenin*

Quadrangle                       
Permit No. 93-A

WELL RECORD

Oil or Gas Well Gas  
(KIND)

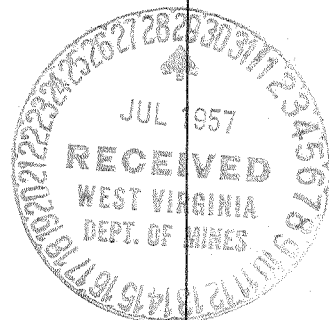
Company Three Way Gas Company  
 Address Clendenin, W. Va.  
 Farm J. M. Young Acres 130  
 Location (waters) Porter's Creek  
 Well No. 1 Elev. 1212.64  
 District Union County Clay  
 The surface of tract is owned in fee by J. M. Young  
 Address Queen Shoales, W. Va.  
 Mineral rights are owned by J. M. Young  
 Address                       
 Drilling commenced 11-1-1910  
 Drilling completed 2-3-1911  
 Date Shot                      From                      To                       
 With                       
 Open Flow 12 10ths Water in 6 5/8 Inch  
                     /10ths Merc. in                      Inch  
 Volume 5,652,000 Cu. Ft.  
 Rock Pressure                      lbs.                      hrs.  
 Oil                      bbls., 1st 24 hrs.  
 Fresh water 275 feet 1165 feet  
 Salt water 1280 feet 1410 feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              | Kind of Packer |
| 16                |                  |              |                |
| 13                |                  |              |                |
| 10                | 36               | 36           | Size of        |
| 8 1/2             | 755              |              |                |
| 6 5/8             | 1780             | 1780         | Depth set      |
| 5 3/16            |                  |              |                |
| 3                 |                  |              | Perf. top      |
| 2                 | 2160             | 2160         | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED                      SIZE                      No. Ft.                      Date                     

COAL WAS ENCOUNTERED AT 100 FEET 60 INCHES  
300 FEET 60 INCHES 525 FEET 60 INCHES  
840 FEET 60 INCHES                      FEET                      INCHES

| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|----------------|-------|--------------|------|--------|-------------------|-------------|---------|
| Soil           |       |              | 0    | 10     |                   |             |         |
| Grey Slate     |       |              | 10   | 100    |                   |             |         |
| Coal           |       |              | 100  | 105    |                   |             |         |
| Sand & Lime    |       |              | 105  | 275    | Water             | 275         |         |
| Slate & Shells |       |              | 275  | 300    |                   |             |         |
| Coal           |       |              | 300  | 305    |                   |             |         |
| Slate & Shells |       |              | 305  | 400    |                   |             |         |
| Sand & Slate   |       |              | 400  | 520    |                   |             |         |
| Lime           |       |              | 520  | 525    |                   |             |         |
| Coal           |       |              | 525  | 530    |                   |             |         |
| Slate          |       |              | 530  | 550    |                   |             |         |
| Lime Shells    |       |              | 550  | 605    |                   |             |         |
| Slate & Lime   |       |              | 605  | 755    |                   |             |         |
| Big Dunkard    |       |              | 755  | 840    |                   |             |         |
| Coal           |       |              | 840  | 845    |                   |             |         |
| Lime Shells    |       |              | 845  | 1025   |                   |             |         |
| Sand           |       |              | 1025 | 1165   | Water             | 1165        |         |
| Slate          |       |              | 1165 | 1175   |                   |             |         |
| Lime           |       |              | 1175 | 1195   | Water             | 1080        |         |
| Salt Sand      |       |              | 1195 | 1485   | Water             | 1410        |         |
| Black Slate    |       |              | 1485 | 1498   |                   |             |         |
| Sand           |       |              | 1498 | 1540   |                   |             |         |
| Lime           |       |              | 1540 | 1580   |                   |             |         |
| Red Rock       |       |              | 1580 | 1585   |                   |             |         |
| Lime           |       |              | 1585 | 1605   |                   |             |         |
| Slate          |       |              | 1605 | 1640   |                   |             |         |
| Lime Shells    |       |              | 1640 | 1680   |                   |             |         |
| Maxon          |       |              | 1680 | 1725   |                   |             |         |
| Little Lime    |       |              | 1725 | 1755   |                   |             |         |
| Grey Sand      |       |              | 1755 | 1765   |                   |             |         |
| Slate          |       |              | 1765 | 1770   |                   |             |         |
| Shells         |       |              | 1770 | 1773   |                   |             |         |
| Pencil         |       |              | 1773 | 1778   |                   |             |         |
| Big Lime       |       |              | 1778 | 1889   |                   |             |         |



DEC 6 1957

| Formation                                   | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth Found | Remarks                  |
|---|-------|--------------|------|--------|-------------------|-------------|--------------------------|
| Big Injun<br>Slate<br>Shell<br>Slate & Sand |       |              | 1889 | 1918   | Gas               | 1905-18     | 7/10 W 65/8<br>778 mcf   |
|   |       |              | 1918 | 1921   |                   |             |                          |
|   |       |              | 1921 | 1925   |                   |             |                          |
|   |       |              | 1925 | 2022   | Gas               | 1933-47     | 12/10 W 65/8<br>1279 mcf |
|   |       | T. D.        |      | 2022   |                   |             | 801 2257 mcf             |

Date July 29, 1957, 19

APPROVED Three Way Gas Company, Owner

By James P. Kovatz  
(Title)