

New Location   
 Drill Deeper   
 Abandonment

NOTE:  
*Oral Moran has Fee Simple.*

Company PAUL H. ASH  
 Address 204 W. MAIN ST. WEST UNION, W. VA.  
 Farm ORAL MORAN  
 Tract \_\_\_\_\_ Acres 0.55 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 765'  
 Quadrangle WEST UNION - SE  
 County DODDRIDGE District WEST UNION  
 Engineer JOHN W. HAMILTON  
 Engineer's Registration No. 2274  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MARCH 8, 1960 Scale 1" = 30'

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

**WELL LOCATION MAP**  
 FILE NO. DoD-316

+ 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.

*too crowded to plot*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 5

Quadrangle West Union

Permit No. DOD-316

WELL RECORD

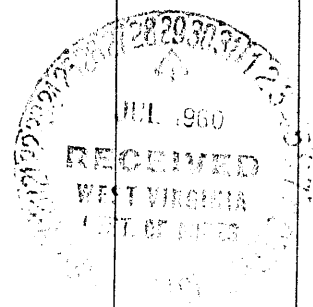
Oil or Gas Well Oil and Gas  
(KIND)

Company Paul H. Ash  
Address 204 W. Main St West Union, W. Va.  
Farm ORAL MORAN Acres Lot  
Location (waters) Middle Island Creek  
Well No. #1 Elev. 765'  
District West Union County Doddridge  
The surface of tract is owned in fee by Oral Moran  
Address West Union, W. Va.  
Mineral rights are owned by Oral Moran  
Address West Union, W. Va.  
Drilling commenced April 12, 1960  
Drilling completed July 14, 1960  
Date Shot None 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.  
WELL ACIDIZED 500 Gal. Type N.E.  
By Halliburton  
WELL FRACTURED By Halliburton  
Sand, Grade 29/40  
RESULT AFTER TREATMENT 700,000 Gas and 12 bbls. oil 1st 24 hrs  
ROCK PRESSURE AFTER TREATMENT 650# - 24 hrs.  
Fresh Water 20' Feet Salt Water \_\_\_\_\_ Feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              |                |
| 16                |                  |              | Kind of Packer |
| 13                |                  | 30'          |                |
| 10                |                  | 67'          | Size of        |
| 8 1/4             | 380'             |              |                |
| 6 3/8             | 890'             |              | Depth set      |
| 5 3/16 5 1/2      |                  | 1802'        |                |
| 3                 |                  |              | Perf. top      |
| 2                 |                  | 1816'        | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED 5 1/2" SIZE 1802' No. Ft. 6-17-60 Date  
14 lbs. cement - Louisiana cementing  
7" casing  
COAL WAS ENCOUNTERED AT None FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES  
6-23-60 River water and 8,000#

| Formation       | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------------|-------|--------------|-----|--------|-------------------|-------|---------|
| Fill and Drift  | Red   | S            | 0   | 20     |                   |       |         |
| Sand and Gravel | Brown | S            | 20  | 30     |                   |       |         |
| Shale           | Blue  | H            | 30  | 37     |                   |       |         |
| Lime            | White | H            | 37  | 42     |                   |       |         |
| Shale           | Blue  | H            | 42  | 46     |                   |       |         |
| Sand            | Grey  | H            | 46  | 52     |                   |       |         |
| Shale           | Blue  | H            | 52  | 70     |                   |       |         |
| Red Rock        | Red   | S            | 70  | 96     |                   |       |         |
| Lime            | White | H            | 96  | 101    | Water             | 96'   |         |
| Red Rock        | Red   | H            | 101 | 104    |                   |       |         |
| Shale           | Blue  | H            | 104 | 120    |                   |       |         |
| Sand            | White | H            | 120 | 128    |                   |       |         |
| Shale (sandy)   | Grey  | S            | 128 | 160    |                   |       |         |
| Red Rock        | Red   | S            | 160 | 195    |                   |       |         |
| Shale           | Blue  | H            | 195 | 210    |                   |       |         |
| Red Rock        | Red   | S            | 210 | 230    |                   |       |         |
| Shale           | Blue  | H            | 230 | 240    |                   |       |         |
| Sand            | White | H            | 240 | 245    |                   |       |         |
| Shale           | Blue  | H            | 245 | 260    |                   |       |         |
| Red Rock        | Red   | H            | 260 | 285    |                   |       |         |
| Shale           | Grey  | H            | 285 | 336    |                   |       |         |
| Lime            | Brown | H            | 336 | 360    |                   |       |         |
| Shale           | Grey  | H            | 360 | 445    |                   |       |         |
| Lime            | White | H            | 445 | 455    |                   |       |         |
| Red Rock        | Red   | S            | 455 | 475    |                   |       |         |
| Shale           | Grey  | H            | 475 | 510    |                   |       |         |
| Red Rock        | Red   | H            | 510 | 590    |                   |       |         |
| Shale           | Grey  | H            | 590 | 600    |                   |       |         |



| Formation        | Color | Hard or Soft | Top <sup>5</sup> | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|------------------|-------|--------------|------------------|--------|-------------------|-------------|---------|
| Red Rock         | Red   | S            | 600              | 605    |                   |             |         |
| Shale            | Grey  | H            | 605              | 625    |                   |             |         |
| Shale (Sandy)    | Grey  | H            | 625              | 668    |                   |             |         |
| Red Rock         | Red   | H            | 668              | 690    |                   |             |         |
| Shale            | Grey  | H            | 690              | 732    |                   |             |         |
| Lime             | White | H            | 732              | 738    |                   |             |         |
| Shale            | Brown | S            | 738              | 775    |                   |             |         |
| Shale            | Grey  | H            | 775              | 780    |                   |             |         |
| Lime             | White | H            | 780              | 781    |                   |             |         |
| Shale            | Grey  | H            | 781              | 810    |                   |             |         |
| Lime             | White | H            | 810              | 822    |                   |             |         |
| Shale            | Black | H            | 822              | 826    |                   |             |         |
| Lime             | White | H            | 826              | 830    |                   |             |         |
| Shale            | Grey  | H            | 830              | 850    |                   |             |         |
| Sand             | Brown | H            | 860              | 1025   |                   |             |         |
| Shale            | Black | H            | 1025             | 1030   |                   |             |         |
| Lime             | White | H            | 1030             | 1035   |                   |             |         |
| Shale            | Grey  | H            | 1035             | 1060   |                   |             |         |
| Sand             | Grey  | H            | 1060             | 1070   |                   |             |         |
| Shale (sandy)    | Grey  | H            | 1070             | 1090   |                   |             |         |
| Shale            | Black | H            | 1090             | 1125   |                   |             |         |
| Lime             | White | H            | 1125             | 1142   |                   |             |         |
| Shale (sandy)    | Grey  | S            | 1142             | 1200   |                   |             |         |
| Sand             | Grey  | H            | 1200             | 1230   |                   |             |         |
| Shale and Shells | Blue  | S            | 1230             | 1280   |                   |             |         |
| Shale            | Black | H            | 1280             | 1292   |                   |             |         |
| Shale (sandy)    | Grey  | H            | 1292             | 1320   |                   |             |         |
| Shale            | Black | H            | 1320             | 1342   |                   |             |         |
| Shale (sandy)    | Grey  | H            | 1342             | 1414   |                   |             |         |
| Sand             | Grey  | H            | 1414             | 1425   |                   |             |         |
| Shale            | Grey  | H            | 1425             | 1442   |                   |             |         |
| Sand             | Grey  | H            | 1442             | 1482   |                   |             |         |
| Shale            | Grey  | H            | 1482             | 1510   |                   |             |         |
| Sand             | Grey  | H            | 1510             | 1568   |                   |             |         |
| Shale            | Grey  | H            | 1568             | 1580   |                   |             |         |
| Shale & Shells   | Blue  | S            | 1580             | 1635   |                   |             |         |
| Lime             | Grey  | H            | 1635             | 1646   |                   |             |         |
| Lime             | White | H            | 1646             | 1653   |                   |             |         |
| Lime             | Grey  | H            | 1653             | 1723   |                   |             |         |
| Lime             | Grey  | H            | 1723             | 1728   |                   |             |         |
| Sand             | Grey  | H            | 1728             | 1740   |                   |             |         |
| Sand             | Blue  | H            | 1740             | 1801   |                   |             |         |
| Shale            | Black | H            | 1801             | 1805   |                   |             |         |
| Sand             | White | H            | 1805             | 1809   |                   |             |         |
| Shale            | Black | H            | 1809             | 1816   |                   |             |         |
|                  |       |              |                  | T.D.   |                   |             |         |

Gas  
Gas + Oil

1736'  
1796'