

- Fracture. ....
- Redrill. ....
- New Location.
- Drill Deeper. ....
- Abandonment. ....

Source of Elevation WELL 7068, EIV. 925'

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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 200

|                             |                                 |             |            |
|-----------------------------|---------------------------------|-------------|------------|
| Company                     | DODDRIDGE GAS N <sup>o</sup> 23 |             |            |
| Address                     | CLARKSBURG, W.VA.               |             |            |
| Farm                        | J. W. SMITH                     |             |            |
| Tract                       | Acres                           | 486         | Lease No.  |
| Well (Farm) No.             | 1-Dod-23                        | Serial No.  | 23         |
| Elevation (Spirit Level)    | 1138                            |             |            |
| Quadrangle                  | HOLBROOK NE 1 <sup>2-2</sup>    |             |            |
| County                      | DODDRIDGE                       | District    | WEST UNION |
| Engineer                    | <i>James J. Jeffers</i>         |             |            |
| Engineer's Registration No. | 1084                            |             |            |
| File No.                    | 215/130                         | Drawing No. |            |
| Date                        | 4-19-69                         | Scale       | 1" = 500'  |

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

WELL LOCATION MAP  
FILE NO. DOD-1556

+ 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

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle.....

**WELL RECORD**

Oil or Gas Well Gas  
(KIND)

Permit No. Dod-1556

Company Doddridge Gas No. 23  
Address P.O. Box 351, Clarksburg, W. Va.  
Farm J. W. Smith Acres 486  
Location (waters) Right Fork - Arnolds Creek  
Well No. Dod-23-1 Elev. 1138  
District West Union County Doddridge  
The surface of tract is owned in fee by Edward H. Haught,  
P.O. Box 1182 Address Atty-in-Fact  
Pennsboro, W. Va.  
Mineral rights are owned by SAME  
Address.....

Drilling commenced May 3, 1969  
Drilling completed June 13, 1969  
Date 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.

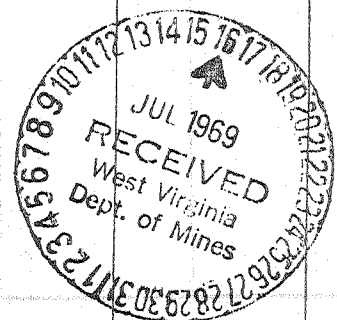
WELL ACIDIZED (DETAILS).....  
WELL FRACTURED (DETAILS) Water Fracture

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 12/10th - 2" M. - 539,000 539 McF  
ROCK PRESSURE AFTER TREATMENT 260 HOURS 24  
Fresh Water..... Feet..... Salt Water..... Feet.....  
Producing Sand Big Injun Depth.....

| Casing and Tubing | Used in Drilling | Left in Well | Packers             |
|-------------------|------------------|--------------|---------------------|
| Size              |                  |              |                     |
| 16                | 12 ft.           | 12 ft.       | Kind of Packer..... |
| 13                |                  |              |                     |
| 10                | 304 Ft.          | None         | Size of.....        |
| 8 1/4             | 1015 "           | None         |                     |
| 6 3/4             |                  |              | Depth set.....      |
| 5 3/16            |                  |              |                     |
| 4 1/2             | 2037 Ft.         | 2037 Ft.     |                     |
| 3                 |                  |              | Perf. top.....      |
| 2                 |                  |              | Perf. bottom.....   |
| Liners Used       |                  |              | Perf. top.....      |
|                   |                  |              | Perf. bottom.....   |

Attach copy of cementing record.  
CASING CEMENTED 4 1/2 ft. SIZE 400 No. Ft. 6/16/69 Date  
Amount of cement used (bags).....  
Name of Service Co. Garatan Service  
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 |
|--------------|-------|--------------|-----|--------|-------------------|-------|---------|
| Red Clay     |       |              | 0   | 20     |                   |       |         |
| Slate        |       |              | 20  | 40     |                   |       |         |
| Lime         |       |              | 40  | 54     |                   |       |         |
| Red Rock     |       |              | 54  | 62     |                   |       |         |
| Yellow Rock  |       |              | 62  | 85     |                   |       |         |
| Red Rock     |       |              | 85  | 150    |                   |       |         |
| Lime         |       |              | 150 | 167    |                   |       |         |
| Red Rock     |       |              | 167 | 200    |                   |       |         |
| Gritty Lime  |       |              | 200 | 250    |                   |       |         |
| Slate Shells |       |              | 250 | 262    |                   |       |         |
| Lime         |       |              | 262 | 283    |                   |       |         |
| Sand         |       |              | 283 | 290    |                   |       |         |
| Red Rock     |       |              | 290 | 373    |                   |       |         |
| Lime         |       |              | 373 | 390    |                   |       |         |
| Sand         |       |              | 390 | 460    |                   |       |         |
| Red Rock     |       |              | 460 | 479    |                   |       |         |
| Lime         |       |              | 479 | 530    |                   |       |         |
| Slate        |       |              | 530 | 537    |                   |       |         |
| Lime         |       |              | 537 | 555    |                   |       |         |
| Red Rock     |       |              | 555 | 567    |                   |       |         |
| Broken Lime  |       |              | 567 | 613    |                   |       |         |
| Shale        |       |              | 613 | 656    |                   |       |         |
| Red Rock     |       |              | 656 | 737    |                   |       |         |
| Lime         |       |              | 737 | 765    |                   |       |         |
| Sand         |       |              | 765 | 772    |                   |       |         |
| Lime         |       |              | 772 | 780    |                   |       |         |



| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water   | Depth Found | Remarks |
|----------------|-------|--------------|------|--------|---------------------|-------------|---------|
| Red Rock       |       |              | 780  | 795    |                     |             |         |
| Lime           |       |              | 795  | 820    |                     |             |         |
| Sand           |       |              | 820  | 855    |                     |             |         |
| Broken Lime    |       |              | 855  | 875    |                     |             |         |
| Red Rock       |       |              | 875  | 885    |                     |             |         |
| Lime           |       |              | 885  | 900    |                     |             |         |
| Red Rock       |       |              | 900  | 920    |                     |             |         |
| Lime           |       |              | 920  | 1005   |                     |             |         |
| Sand           |       |              | 1005 | 1040   | Show of oil at 1010 |             |         |
| Lime Gritty    |       |              | 1040 | 1103   |                     |             |         |
| Slate & Shell  |       |              | 1103 | 1108   |                     |             |         |
| Lime           |       |              | 1108 | 1160   |                     |             |         |
| Sand           |       |              | 1160 | 1193   | Show of oil at 1170 |             |         |
| Lime           |       |              | 1193 | 1217   | Show of gas at 1180 |             |         |
| Sand           |       |              | 1217 | 1250   |                     |             |         |
| Lime           |       |              | 1250 | 1275   |                     |             |         |
| Sand           |       |              | 1275 | 1278   |                     |             |         |
| Lime           |       |              | 1278 | 1309   |                     |             |         |
| Sand           |       |              | 1309 | 1370   | Show of oil at 1365 |             |         |
| Slate          |       |              | 1370 | 1380   |                     |             |         |
| Lime           |       |              | 1380 | 1494   |                     |             |         |
| Slate & Shells |       |              | 1494 | 1530   |                     |             |         |
| Gritty Lime    |       |              | 1530 | 1540   |                     |             |         |
| Sand           |       |              | 1540 | 1582   |                     |             |         |
| Lime           |       |              | 1582 | 1606   |                     |             |         |
| Slate          |       |              | 1606 | 1650   |                     |             |         |
| Lime           |       |              | 1650 | 1657   |                     |             |         |
| Sand           |       |              | 1657 | 1684   |                     |             |         |
| Slate          |       |              | 1684 | 1710   |                     |             |         |
| Lime           |       |              | 1710 | 1720   |                     |             |         |
| Sand maxton    |       |              | 1720 | 1746   |                     |             |         |
| Broken Lime    |       |              | 1746 | 1805   |                     |             |         |
| Lime           |       |              | 1805 | 1826   |                     |             |         |
| Pencil cave    |       |              | 1826 | 1830   |                     |             |         |
| Sand BM        |       |              | 1830 | 1842   |                     |             |         |
| Slate          |       |              | 1842 | 1844   | Show of gas at 1855 |             |         |
| Big Lime       |       |              | 1844 | 1915   | Show of gas at 1965 |             |         |
| Big Injun      |       |              | 1915 | 1995   |                     |             |         |
| Slate          |       |              | 1995 |        | Gas 1982 - 1991     |             |         |
| Total depth    |       |              | 2043 |        |                     |             |         |

Date July 15, 1969

APPROVED DODDRIDGE GAS NO. 23, Owner

By [Signature] (Title)