



COORDINATES  
COLLECTED  
6/30/16  
LONG 81° 33' 33"  
LAT 39° 17' 20"

MINIMUM ERROR OF CLOSURE 1' IN 200  
 SOURCE OF ELEVATION USED Elev. Main fl. of Parkersburg water  
Plant Elev. 622.5  
 New Location   
 Drill Deeper   
 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 6 OF THE RULES AND REGULATIONS OF THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA."

Company W.T. McCullough & Co  
 Address: PO Box 264 Parkersburg, W. Va. 26101  
 Farm The Parkersburg Steel Co.  
 Tract \_\_\_\_\_ Acres 8.35 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 597.1  
 Quadrangle Parkersburg SE  
 County Weed District Parkersburg  
 Engineer H. F. [Signature]  
 Engineer's Registration No. 2492  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Aug 15, 1966 Scale 1" = 200'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. WOD-537  
 + 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.



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JAN 20 1972

STATE OF WEST VIRGINIA, OIL & GAS DIVISION  
DEPARTMENT OF MINES OF MOUNTAIN STATES  
OIL AND GAS WELLS DIVISION 3

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Parkersburg

Permit No. WOOD-539

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company McCullough Oil & Gas Co.  
Address Town House Bldg. Cambridge, Ohio 43025  
Farm Parkersburg Steel Co. Acres 8.35  
Location (waters) \_\_\_\_\_  
Well No. 1 Elev. 597.1'  
District Parkersburg County Wood  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 9-1-66  
Drilling completed 10-20-66  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              | Kind of Packer |
| 16                |                  |              |                |
| 13                | 55               | Cemented     |                |
| 10                | 306              |              | Size of        |
| 8 1/4             | 840              |              |                |
| 6 3/4             | 1545             |              | Depth set      |
| 5 3/16            |                  |              |                |
| 4 1/2             |                  |              |                |
| 3                 |                  |              | Perf. top      |
| 2                 |                  |              | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

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) \_\_\_\_\_

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" 2099 No. Ft. 10/26/66 Date  
Amount of cement used (bags) \_\_\_\_\_  
Name of Service Co. Lawson  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

WELL FRACTURED (DETAILS) Approx. 1,000 bbl. water & 30,000 lbs. sand injected into the perforations with an IP of 3,200 lbs.  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 400,000 mcf  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_ HOURS  
Fresh Water 50', 75' Feet 210', 280' Salt Water 880', 900' Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

| Formation | Color    | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------|----------|--------------|-----|--------|-------------------|-------|---------|
| Clay      | Yellow   | Soft         | 0   | 37     |                   |       |         |
| Clay      | White    | Soft         | 37  | 49     |                   |       |         |
| Shale     |          | Soft         | 49  | 98     |                   |       |         |
| Sand      | Grey     | Soft         | 98  | 125    |                   |       |         |
| Shale     | Grey     | Soft         | 125 | 180    |                   |       |         |
| Sand      | Grey     | Hard         | 180 | 230    |                   |       |         |
| Shale     | Grey/red | Soft         | 230 | 297    |                   |       |         |
| Lime      | Grey     | Hard         | 297 | 315    |                   |       |         |
| Sand      | Grey/red | Soft         | 315 | 338    |                   |       |         |
| Shale     | Grey     | Soft         | 338 | 402    |                   |       |         |
| Sand      |          | Soft         | 402 | 486    |                   |       |         |
| Shale     |          | Soft         | 486 | 505    |                   |       |         |
| Shale     | Red      | Cave         | 505 | 539    |                   |       |         |
| Lime      |          | Hard         | 539 | 567    |                   |       |         |
| Red       | Red      |              | 567 | 623    |                   |       |         |
| Shale     |          |              | 623 | 650    |                   |       |         |
| Lime      | White    | Hard         | 650 | 658    |                   |       |         |
| Shale     | Grey     | Medium       | 658 | 704    |                   |       |         |
| Little    | Red      |              | 704 | 714    |                   |       |         |
| Cow run   |          |              | 714 | 756    |                   |       |         |
| Shale     | Grey     |              | 756 | 773    |                   |       |         |
| Slate     | Black    |              | 773 | 790    |                   |       |         |
| Sandy     |          |              | 790 | 799    |                   |       |         |
| Slate     | Grey     |              | 799 | 845    |                   |       |         |
| Sand      |          |              | 845 | 868    |                   |       |         |
| Shale     | Grey     |              | 868 | 875    |                   |       |         |
| Lime      | Grey     | Hard         | 875 | 900    |                   |       |         |
| Sand      |          |              | 900 | 910    |                   |       |         |
| Slate     | Black    |              |     |        |                   |       |         |

(over)

MAR 13 1972

| Formation     | Color | Hard or Soft | Top 3 | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---------------|-------|--------------|-------|--------|-------------------|-------------|---------|
| Sandy Slate   | White |              | 940   | 975    |                   |             |         |
| Sand          |       |              | 975   | 987    |                   |             |         |
| Sandy Shale   | Black |              | 987   | 1005   |                   |             |         |
| Sand          |       |              | 1005  | 1086   |                   |             |         |
| Shale         | Blue  |              | 1086  | 1123   |                   |             |         |
| Sand          |       |              | 1123  | 1179   |                   |             |         |
| Shale         | Black |              | 1179  | 1218   |                   |             |         |
| Sand          |       |              | 1218  | 1284   |                   |             |         |
| Slate         | Grey  | Hard         | 1284  | 1293   |                   |             |         |
| Sand          |       |              | 1293  | 1354   |                   |             |         |
| Slate         | Blue  |              | 1354  | 1386   |                   |             |         |
| Black         |       |              | 1386  | 1456   |                   |             |         |
| Lime          | Black |              | 1456  | 1490   |                   |             |         |
| Slate         |       |              | 1490  | 1535   |                   |             |         |
| Slate         | Grey  |              | 1535  | 1780   |                   |             |         |
| Slate & Shale |       |              | 1780  | 1803   |                   |             |         |
| Shale         | Brown |              | 1803  | 1820   |                   |             |         |
| Berea         |       |              | 1820  | 1870   |                   |             |         |
| Slate         |       | Hard         | 1870  | 1935   |                   |             |         |
| Lime          |       |              | 1935  | 1968   |                   |             |         |
| Shale         | Black | Hard         | 1968  | 1975   |                   |             |         |
| Lime          |       |              | 1975  | 1992   |                   |             |         |
| Shale         | Black | Medium       | 1992  | 2048   |                   |             |         |
| Slate         |       |              | 2048  | 2099   |                   |             |         |
| Gordon        | Brown | Medium       |       |        |                   |             |         |

Parkersburg Field produces oil & gas from the Berea and Gordon.

Date January 18, 1972

APPROVED M. Cullough Oil Int. Owner  
 By W. T. McCullough, Jr.  
 (Title)