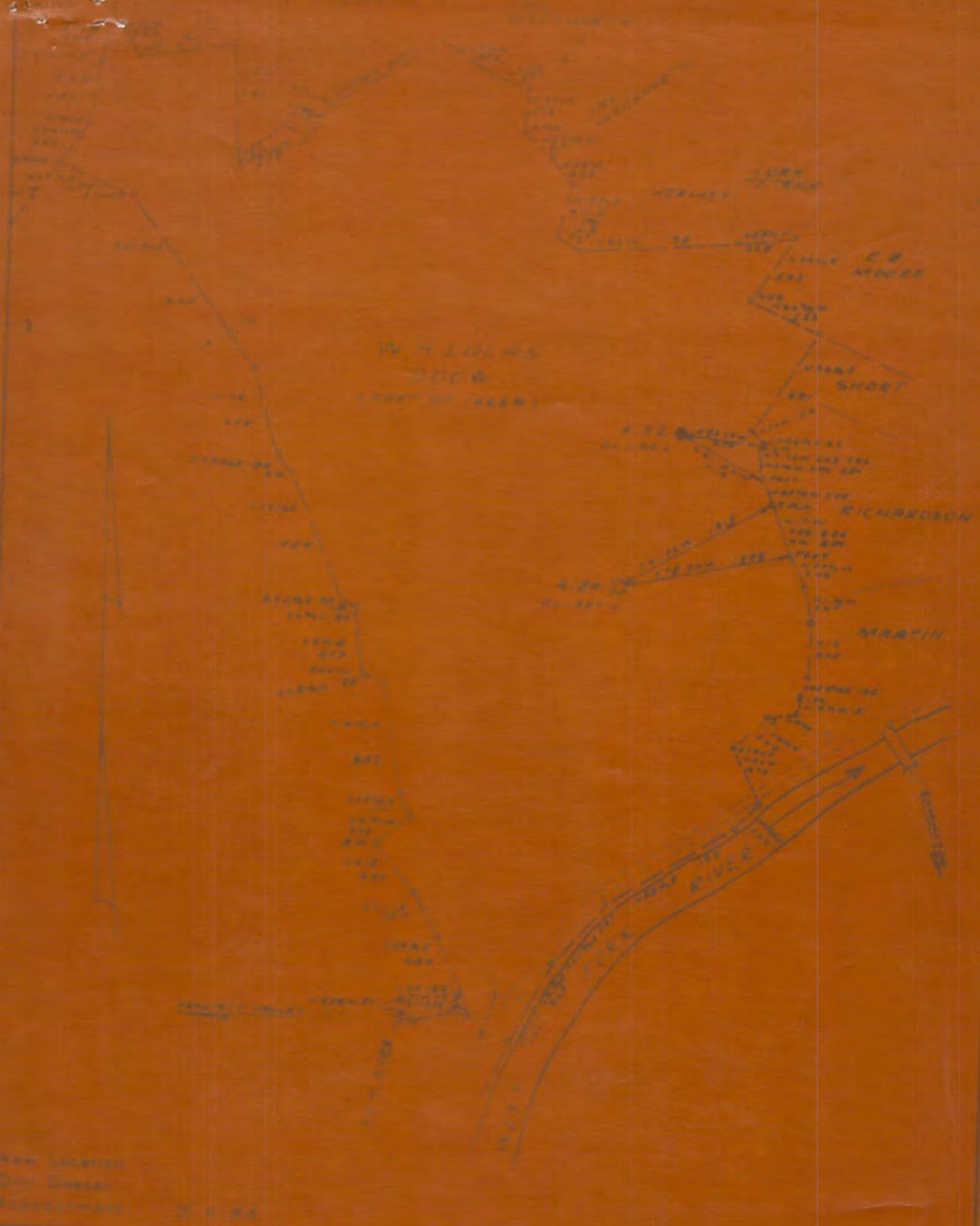


New Location
 Drill Dugger
 Abandonment S. 4. 8. 8.

Company PITTSBURGH & WVA GAS CO.
 Address CLARKSBURG WVA

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES



Well Location
 Date Surveyed
 Assessment

County Putnam
 Address Putnam Co. W. Va.
 Town W. Va.
 Map No. 1000
 Date 1910

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

WELL LOCATION MAP

Clay District, Harrison County, W. Va.
 By Pittsburgh & W. Va. Gas Co., Clarksburg, W. Va.
 Abandoned under permit Her-----A?
 On 1468 acres; Clarksburg N/E 4-3.
 Elevation, 1327' L.
 Surface owned by Van H. Lucas, and minerals by same et al., Stonewall
 Jackson Hotel, Clarksburg, W. Va.
 Drilling commenced May 21, 1913; completed June 30, 1913.
 10" casing, 426' (cemented); 8", 960'; 6", 1770'; 5", 2610' (pulled).
 Coal was encountered at 394-401'.
 Gas well. Abandonment reported to Dept. of Mines May 24, 1948.
 Record to RCF from Mrs. Griffith Jan. 5, 1949. Old File No. 1056.

| | Top. | Bottom. |
|----------------------------------|------|---------|
| Sand, yellow, hard | 0 | 35 |
| Red rock, soft | 35 | 45 |
| Lime, white, hard | 45 | 120 |
| Slate, white, soft | 120 | 175 |
| Lime, white, hard | 175 | 375 |
| Slate, white, soft | 375 | 394 |
| Pittsburgh Coal | 394 | 401 |
| Slate, dark, soft | 401 | 429 |
| Sand, white, hard | 429 | 466 |
| Slate, white, soft | 466 | 522 |
| Lime, white, hard | 522 | 580 |
| Slate, red, soft | 580 | 610 |
| Lime, white, hard | 610 | 640 |
| Slate, black, soft | 640 | 675 |
| Lime, white, hard | 675 | 700 |
| Slate, black, soft | 700 | 715 |
| Red rock, soft | 715 | 727 |
| Slate, black, soft | 727 | 740 |
| Sand, white, hard | 740 | 790 |
| Lime, white, hard | 790 | 800 |
| Little Dunkard Sand, white, hard | 800 | 825 |
| Slate, white, soft | 825 | 850 |
| Lime, dark, hard | 850 | 875 |
| Slate, black, soft | 875 | 960 |
| Big Dunkard Sand, white, soft | 960 | 1016 |
| Slate, dark, soft | 1016 | 1060 |
| Lime, dark, hard | 1060 | 1075 |
| Gas Sand, white, soft | 1075 | 1235 |
| Slate, black, soft | 1235 | 1245 |
| Salt Sand, white, hard | 1245 | 1280 |
| Slate shells, black, soft | 1280 | 1355 |
| Sand, white, medium | 1355 | 1375 |
| Slate, dark, soft | 1375 | 1395 |
| 2nd Salt Sand, white, hard | 1395 | 1450 |
| Lime, black, hard | 1450 | 1470 |
| Slate, black, soft | 1470 | 1500 |
| Sand, white, hard | 1500 | 1550 |
| Red rock, soft | 1550 | 1600 |
| Lime, dark, hard | 1600 | 1620 |
| Red rock, soft | 1620 | 1660 |
| Lime, white, hard | 1660 | 1685 |
| Red rock, soft | 1685 | 1705 |
| Lime shells, dark, medium | 1705 | 1725 |

W. H. LUCAS NO. 4184 WELL (Continued).

| | Top. | Bottom. |
|--|------|---------|
| Little Lime, dark, hard | 1725 | - 1735 |
| Pencil Cave, dark, soft | 1735 | - 1750 |
| Big Lime, white, hard | 1750 | - 1830 |
| Big Injun Sand, white, hard (gas, 1830') | 1830 | - 1850 |
| Lime, black, hard | 1850 | - 1890 |
| Squaw Sand, white, medium | 1890 | - 1910 |
| Lime, white, hard | 1910 | - 1915 |
| Sand, red, hard | 1915 | - 1940 |
| Slate and shells, black, soft and hard | 1940 | - 2290 |
| Sand, white, hard | 2290 | - 2325 |
| Slate, white, soft | 2325 | - 2340 |
| 50-Ft. Sand, white, hard | 2340 | - 2410 |
| Red rock, soft | 2410 | - 2430 |
| 30-Ft. Sand, white, hard | 2430 | - 2448 |
| Slate, black, soft | 2448 | - 2450 |
| Sand, white, hard | 2450 | - 2480 |
| Slate and shells, black, medium | 2480 | - 2530 |
| Slate and shells, dark, hard | 2530 | - 2610 |
| Sand, white, hard | 2610 | - 2635 |
| Slate, white, soft | 2635 | - 2640 |
| Sand, white, hard (oil, 2660-2670') | 2640 | - 2675 |
| Total depth | | 2675 |
| Remarks: Well previously plugged Dec. 18, 1918, up to | | 1890 |

Record of Well No. 4184 Located on M. H. Lucas Farm April 30 1913
Clay District Harrison County West Va State
 Division R District No. _____ Drilled under well Order 646
 Rig built by John Craig Began May 12 1913 Completed May 17 1913
 Well drilled by N. M. Comfort Began May 19 1913 Completed June 30 1913
 Depth of Well 2692 feet 1890 Size of Hole 5 3/16 Producing Gas

| CASED WITH | | | REMARKS |
|------------------|--------------------|--------------|------------------|
| AMOUNT | SIZE | KIND | |
| 426' | 10" | New | |
| 960' | 8 1/4" | " | |
| 1790' | 6 5/8" | " | |
| 2610' | 5 3/16" | " | <u>Reclaimed</u> |

Elv. 1327' G.L.

COAL VEINS 393
Soft Coal 401

FORMATIONS

| FORMATION | COLOR | OPEN OR CLOSE HARD OR SOFT | TOP | BOTTOM | REMARKS GAS-OIL-WATER (THICKNESS OF PAY) |
|----------------------|-------|-------------------------------|------|--------|--|
| <u>Big Lime</u> | | | 1750 | 1830 | <u>Q111830</u> |
| <u>Big Limestone</u> | | | 1830 | 1910 | <u>Ridged at 1890</u> |
| <u>Limestone</u> | | | 1955 | | <u>2 Lead Pipe</u> |
| <u>Big Root</u> | | | 2340 | 2410 | |
| <u>Thin Root</u> | | | 2420 | 2448 | |
| <u>Spindland</u> | | | 2610 | 2635 | <u>21002660-70</u> |
| <u>Woodrow</u> | | | 2640 | | <u>" 2675-81</u> |
| <u>Woodrow</u> | | | | 2688 | |
| <u>Plate</u> | | | 2688 | | |

FIRST PRESSURE TEST IN _____ CASING

REMARKS

30 Sec. _____ lbs. _____

1 Min. _____ " _____

2 " _____ " _____

5 " _____ " _____

10 " _____ " _____

15 " _____ " _____

30 " _____ " _____

Rock Pressure _____ " in _____

Taken _____ 19 _____

By _____

WELL TUBED AND PACKED Dec 10 19 18

VIZ:- Used 94 lbs. 1890 ft. 2" Tubing
1-6 3/8 x 2" Rock Wall Packer
6 lbs. 89 ft. of Anchor

~~1891
1891
1891~~

FIRST PRESSURE TEST IN 3" TUBING

REMARKS

30 Sec. 40 lbs. 95/10 70 2"

1 Min. 0 " _____

2 " 90 " _____

5 " 108 " _____

10 " 113 " _____

15 " 117 " 120

30 " 121 " 121

Rock Pressure 123 " in 20 lbs

Taken Dec 11 19 18

By P. V. Dole

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES: