

New Location
 Drill Deeper
 Abandonment X

Company PITTSBURGH & W. VA. GAS
 Address CLARKSBURG, W. VA.
 Farm STELLA FLUHARTY
 Tract Acres 139 1/2 Lease No. 7898
 Well (Farm) No. ONE Serial No. 5171
 Elevation (Spirit Level) 1120' S.L.
 Quadrangle LITTLETON S.E. 2
 County WATZEL District GRAND
 Engineer Kenneth R. Moore
 Engineer's Registration No. _____
 File No. D.16-P.54 Drawing No. _____
 Date JUNE 29, 1944 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. WET-475-A

+ 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.

STELLA FLUHARTY No. 1 (5171) - PGH. & W. VA. GAS CO. - WET-475-A



976

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. 475-A

Oil or Gas Well "GAS"
(KIND)

Company Pittsburgh & West Va Gas Company.
Address Clarksburg, West Va.,
Farm Stella Fluharty Acres 139-1/2
Location (waters) Littleton S/E. 2-2-4
Well No. 5171 Elev. 1120'
District Grant County Wetzel
The surface of tract is owned in fee by Roy Taylor
Address Hundred, W.Va.,
Mineral rights are owned by Amenda Fluharty
Address Pine Grove, W. Va.,

Drilling commenced May 18, 1916
Drilling completed Sept. 22, 1916
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.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|-------------------------|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | <u>Anchor</u> |
| 10 | <u>305'</u> | <u>305'</u> | Size of <u>6-5/8" X</u> |
| 8 3/4 | <u>1312'</u> | <u>1312'</u> | <u>5-3/16"</u> |
| 6 5/8 | <u>2072'</u> | <u>None.</u> | Depth set <u>2095'</u> |
| 5 3/16 | <u>2108'</u> | <u>2108'</u> | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 460 FEET 48 INCHES
711 FEET 60 INCHES 816 FEET 84 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------------------|-------|--------------|------|--------|-------------------|-------------|-------------------|
| Slate | White | Soft | 0 | 14 | | | |
| Lime | " | Hard | 14 | 29 | | | |
| Slate | " | Open | 29 | 50 | | | |
| Red Rock | Red | Soft | 50 | 60 | | | |
| Lime | White | Hard | 60 | 100 | | | |
| Red Rock | Red | Soft | 100 | 115 | Water | 110' | |
| Lime | White | Hard | 115 | 130 | | | |
| Slate Lime | " | Open | 130 | 220 | | | |
| Slate | Dark | Soft | 220 | 280 | | | |
| Lime | White | Hard | 280 | 300 | | | |
| Slate | " | Soft | 300 | 350 | | | |
| Slate&Lime Shells | Wh. | " | 350 | 430 | | | |
| Lime | White | Hard | 430 | 455 | | | |
| Slate | Dark | Soft | 455 | 460 | | | |
| Native Coal | Black | " | 460 | 464 | | | |
| Lime | White | Hard | 464 | 482 | | | |
| Slate&Lime Shells | Wh. | Soft | 482 | 555 | | | |
| Lime | White | Hard | 555 | 711 | | | |
| M.T. Coal | Black | Soft | 711 | 716 | | | |
| Slate | Dark | " | 716 | 720 | | | |
| Lime | White | Medium | 720 | 726 | | | |
| Slate | Blue | Soft | 726 | 732 | | | |
| Slate | White | Soft | 732 | 746 | | | |
| Lime | " | Hard | 746 | 758 | | | |
| Slate | Blue | Soft | 758 | 764 | | | |
| Lime | White | Hard | 764 | 805 | | | |
| Slate | Dark | Soft | 805 | 816 | | | |
| Pgh. Coal | Black | Soft | 816 | 823 | | | Sh. Gas Pgh. Coal |
| Lime | White | Hard | 823 | 870 | | | |
| Pink Rock | Pink | Soft | 870 | 878 | | | |
| Lime | White | Hard | 878 | 885 | | | |
| Red Rock | Red | Soft | 885 | 915 | | | |
| Lime | White | Hard | 915 | 928 | | | |
| Sand | " | " | 928 | 970 | Gas | 938' | |
| Slate | " | Soft | 970 | 975 | | | |
| Lime | " | Hard | 975 | 987 | | | |
| Red Rock | Red | Soft | 987 | 999 | | | |
| Lime | White | Hard | 999 | 1032 | | | |
| Red Rock | Red | Soft | 1032 | 1044 | | | |

(Over)

SEP 21 1916

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------------------|-------|--------------|------|--------|-------------------|-------------|------------|
| Line | White | Medium | 1044 | 1068 | | | |
| Slate | " | Soft | 1068 | 1080 | | | |
| Line | Pink | Hard | 1080 | 1120 | | | |
| Red Rock | Red | Soft | 1120 | 1125 | | | |
| Line | White | Hard | 1125 | 1133 | | | |
| Slate | " | Soft | 1133 | 1145 | | | |
| Line | " | Medium | 1145 | 1157 | | | |
| " | " | Hard | 1157 | 1177 | | | |
| Little Dunkard | " | " | 1177 | 1201 | | | |
| Slate | " | Soft | 1201 | 1206 | | | |
| Line | " | Hard | 1206 | 1213 | | | |
| Red Rock | Red | Soft | 1213 | 1219 | | | |
| Line | White | Hard | 1219 | 1231 | | | |
| Slate | Dark | Soft | 1231 | 1241 | | | |
| Line | White | Hard | 1241 | 1251 | | | |
| Sand | " | " | 1251 | 1276 | | | |
| Slate | Dark | Soft | 1276 | 1302 | | | |
| Big Dunkard | White | Hard | 1302 | 1340 | | | |
| Slate | Dark | Soft | 1340 | 1368 | | | |
| Gas Sand | White | Hard | 1368 | 1384 | | | |
| Line | " | " | 1384 | 1432 | | | |
| Sand | " | " | 1432 | 1449 | | | |
| Slate | Black | Soft | 1449 | 1461 | | | |
| Line | White | Hard | 1461 | 1471 | | | |
| Sand | " | " | 1471 | 1522 | | | |
| Slate | Dark | Soft | 1522 | 1581 | | | |
| Line | " | Hard | 1581 | 1608 | | | |
| 2nd. Salt Sand | White | Hard | 1608 | 1668 | | | |
| Slate | Dark | Soft | 1668 | 1676 | | | |
| Gritty Line | White | Hard | 1676 | 1690 | | | |
| Slate | Dark | Soft | 1690 | 1710 | | | |
| 3rd. Salt Sand | White | Hard | 1710 | 1768 | Water | 1728' | Hole full. |
| Slate | Dark | Soft | 1768 | 1780 | | | |
| Gritty Line | White | Hard | 1780 | 1788 | | | |
| Slate | " | Soft | 1788 | 1798 | | | |
| Masson Sand | " | Medium | 1798 | 1852 | | | |
| Slate | Dark | Soft | 1852 | 1857 | | | |
| Line | " | Hard | 1857 | 1870 | | | |
| Slate-Line Shells | Dark | Medium | 1870 | 1925 | | | |
| Line | Red | Hard | 1925 | 1958 | | | |
| Slate | Dark | Soft | 1958 | 1970 | | | |
| Line | White | Hard | 1970 | 2008 | | | |
| Pink Rock | Pink | Soft | 2008 | 2026 | | | |
| Little Line | White | Hard | 2026 | 2030 | | | |
| Pencil Cave | Dark | Soft | 2030 | 2035 | | | |
| Big Line | White | Hard | 2035 | 2111 | | | |
| Slate | Dark | Soft | 2111 | 2113 | | | |
| Big Injun | White | Hard | 2113 | 2296 | Gas | 2120' | |
| Slate | Dark | Soft | 2296 | 2308 | | | |
| Line | White | Hard | 2308 | 2316 | | | |
| Slate | Dark | Soft | 2316 | 2340 | | | |
| Line | White | Hard | 2340 | 2530 | | | |
| Slate | Dark | Soft | 2530 | 2595 | | | |
| Line | White | Hard | 2595 | 2685 | | | |
| Slate | Dark | Soft | 2685 | 2723 | | | |
| Line | White | Hard | 2723 | 2735 | | | |
| Pink Rock | Pink | Soft | 2735 | 2742 | | | |
| Line | White | Hard | 2742 | 2748 | | | |
| Slate | Dark | Soft | 2748 | 2814 | | | |
| Fifty Foot Sand | White | Hard | 2814 | 2826 | | | |
| Thirty Foot Sand | " | " | 2826 | 2840 | | | |
| Slate | Dark | Soft | 2840 | 2868 | | | |
| Gordon Stray | White | Hard | 2868 | 2875 | | | |
| Slate | Dark | Soft | 2875 | 2896 | | | |
| Sand | White | Hard | 2896 | 2898 | | | |
| Un-recorded | | | 2898 | 2910 | | | |
| Slate | Dark | Soft | 2910 | 2936 | | | |
| Gordon Sand | White | Hard | 2936 | 2975 | | | |
| Slate | Dark | Soft | 2975 | 2980 | | | |

June 28, 1944

Date _____, 194__

PITTSBURGH & WEST VA GAS COMPANY.

APPROVED _____, Owner

By _____

(Title)

Sheet No. 2



976

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. 475-A

Oil or Gas Well **"GAS"**
(KIND)

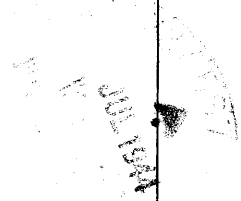
Pittsburgh & West Va Gas Company
 Company Clarksburg, West Va.,
 Address Stella Flaherty
 Farm 1441stn S/E. 2-2-4 Acres 139-1/2
 Location (waters) Grant
 Well No. 5171 Elev. 1120'
 District Grant County Wetzel
 The surface of tract is owned in fee by Roy Taylor
 Address Hundred, W. Va.,
 Mineral rights are owned by _____
 Address _____
 Drilling commenced _____
 Drilling completed _____
 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.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

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

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 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 Found | Remarks |
|-------------|-------|--------------|------|--------|-------------------|-------------|---------|
| 4th. Sand | White | Soft | 2980 | 2994 | Gas | 2980' | |
| Slate | Dark | Soft | 2994 | 2998 | | | |
| Lime | White | Hard | 2998 | 3012 | | | |
| Slate | " | Soft | 3012 | 3028 | | | |
| Lime | " | Hard | 3028 | 3036 | | | |
| Slate | " | Soft | 3036 | 3043 | | | |
| Lime | " | Hard | 3043 | 3047 | | | |
| Slate | " | Soft | 3047 | 3058 | | | |
| Lime | " | Hard | 3058 | 3064 | | | |
| Slate | " | Soft | 3064 | 3072 | | | |
| Total Depth | | | | 3072 | | | |

Remarks:
 Oil Well Supply Company - 5-3/16"
 Plug Packer set at 2185 feet.
 Present Depth 2185 feet.



Record of Well No. 5171

Located on Stella Fluker's Farm Apr. 13 1916

Grant

District Wetzel

County W. Va.

State

Division 10"

District No. 11

Drilled under Well Order 573

Rig built by John Craig

Began May 5 1916 Completed May 12 1916

Well drilled by J. E. Neough

Began May 19 1916 Completed Sept. 22 1916

Depth of Well 3042 feet

Size of Hole 5 7/16"

Producing Gas

Elev: 1120

CASED WITH

REMARKS

| AMOUNT | SIZE | KIND | REMARKS |
|--------|---------|------------|----------------------------------------------------------|
| 16' | 13" | Wood | |
| 306' | 10" | Old | |
| 1312' | 8 1/4" | Old | |
| 2072' | 6 5/8" | Old Reamed | Casing set 22 ft. in Bottoms. 1-6 5/8" Steel Shol. |
| 2108' | 5 3/16" | New | 1-6 5/8" X 5 3/16" Anchor Packer. 1 ft. 13 ft. of anchor |
| 2144' | 2" | | |

COAL VEINS

Mapletown 7 1/2' Pgh 816-823

FORMATIONS

| NAME | TOP | BOTTOM | OIL | GAS | WATER | REMARKS |
|----------------|------|--------|-----|------|-------|------------------------------------|
| Murphy sand | 928 | 970 | | 938 | | 3.2 W2" |
| Big Blank sand | 1302 | 1340 | | | | |
| Big Sand | 1368 | 1384 | | | | |
| 1st. Full sand | 1432 | 1449 | | | | |
| 2nd " | 1472 | 1522 | | | | |
| 3rd " | 1600 | 1668 | | | | |
| 4th " | 1710 | 1765 | | | 1728 | Can't Bail |
| Maxon sand | 1798 | 1852 | | | | |
| Little lime | 2026 | 2030 | | | | |
| Big Lime | 2113 | 2296 | | 2120 | | 8 W2" |
| Fifty foot | 2814 | 2826 | | | | |
| Thirty " | 2840 | 2868 | | | | |
| Gordon Stray | 2875 | 2896 | | | | 1-5 3/16" Plug Packer set 2186 ft. |
| Gordon Sand | 2898 | 2911 | | | | |
| Fourth sand | 2936 | 2975 | | | | |
| Fourth sand | 2980 | 2994 | | 2980 | | .6 W2" |
| slate | | 3072 | | | | |

FIRST PRESSURE TEST IN _____ CASING

REMARKS

5 3/4"

| Time | Pressure (lbs.) |
|---------|-----------------|
| 30 Sec. | 2 |
| 1 Min. | 3 |
| 2 " | 5 |
| 5 " | 10 |
| 10 " | 20 |
| 20 " | 40 |
| 30 " | 92 |

Shot 30 qts. 9-27-16.
Shell 12 ft.
Hole bridged at 2897 ft.
6W 2" after shot
103 McS

Rock Pressure 225-18 hrs. " in 160-2 hrs.
Taken Sept. 22-1916. 19

WELL TUBED AND PACKED Oct. 4 1916.

VIZ:- 2144 ft. 2" tubing 105 yds.
1-5 3/16 X 3" Hook Wall Packer
2 yds. 24 ft. of anchor

1-5 3/16 I.W. S. New Style Plug Packer set at 2186.

FIRST PRESSURE TEST IN _____ TUBING

REMARKS

| Time | Pressure (lbs.) |
|---------|-----------------|
| 30 Sec. | 12 |
| 1 Min. | 25 |
| 2 " | 38 |
| 5 " | 72 |
| 10 " | 120 |
| 20 " | 150 |
| 30 " | 167 |

Rock Pressure 237-15 hrs. in
Taken Oct. 4-1916. 19
By

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

1 set rig timbers \$100.00 Amanda Fluharty
11962 ft. lumber new, @ 24.00 \$ 287.08 A. S. Riggs
500 lbs. Nails Stock
1 set rig irons new Stock
1 partial set rig timbers new, 20.00 R. F. Lee