

Church District, Wetzel County, W. Va.

By Pittsburgh & W. Va. Gas Co., Clarksburg, W. Va.

On.....acres, Mannington S/W 1-1 Quadrangle.

Surface owned by Nancy A. Youst, R. F. D., Glover Gap, W. Va., and minerals by A. F. Carpenter, Atty-in-fact, 817 Coleman Ave., Fairmont, W. Va.

Drilled under permit Wet-29, issued Nov. 12, 1935.

Elevation, 1427' L.

13" conductor, 16'; 10" casing, 215'; 8 1/2", 1600'; 6 5/8", 2335'.

Coal was encountered at 760-763, 1000-1005, and 1110-1118'.

Completion reported to Dept. of Mines Dec. 31, 1935.

Well was not shot. 6 5/8" hole. Gas well.

Record to RCT from Mrs. Griffith Aug. 30, 1938.

	Top.	Bottom.	Thickness.
Soil, dark, soft	0	2	2
Clay, red, soft	2	80	78
Sand, light, hard	80	110	30
Clay, dark, soft	110	200	90
Red rock, soft	200	240	40
Lime, white, hard	240	270	30
Slate, dark, soft	270	390	120
Red rock, soft	390	435	45
Lime, light, hard	435	480	45
Slate, dark, soft	480	505	25
Sand, light, hard	505	550	45
Red rock, soft	550	556	6
Lime, white, hard	556	590	34
Slate, dark, soft	590	670	80
Lime, light, hard	670	690	20
Slate, dark, soft	690	710	20
Lime, white, hard	710	740	30
Slate, dark, soft	740	750	10
Lime, white, hard	750	760	10
Fairview (Waynesburg) Coal, black, soft	760	763	3
Slate, dark, soft	763	775	12
Lime, white, hard	775	820	45
Slate, dark, soft	820	840	20
Lime, light, hard	840	1000	160
Mapletown (Sewickley) Coal, black, soft	1000	1005	5
Slate, dark, soft	1005	1010	5
Lime, white, hard	1010	1050	40
Slate, dark, soft	1050	1070	20
Lime, white, hard	1070	1100	30
Slate, dark, soft	1100	1110	10
Pittsburgh Coal, black, soft	1110	1118	8
Lime, light, hard	1118	1140	22
Slate, dark, soft	1140	1160	20
Lime, light, hard	1160	1200	40
Slate, dark, soft	1200	1210	10
Sand, light, hard	1210	1230	20
Slate, dark, soft	1230	1240	10
Sand, light, hard	1240	1270	30
Red rock, soft	1270	1285	15
Sand, white, hard	1285	1298	13
Slate-Red rock, soft	1298	1315	17
Sand, white, hard	1315	1335	20

(OVER)

LOUISA J. CARPENTER NO. 5399 WELL (Continued).

	Top.	Bottom.	Thickness.
Red rock, soft	1335	- 1360	25
Slate, dark, soft	1360	- 1410	50
Lime, white, hard	1410	- 1440	30
Slate, dark, soft	1440	- 1490	50
✓ Little Dunkard Sand, light, hard	1490	- 1545	55
Slate, dark, soft	1545	- 1590	45
✓ Big Dunkard Sand, light, hard (gas, 1602')	1590	- 1651	61
Slate, black, soft	1651	- 1690	39
Lime, light, hard	1690	- 1730	40
Slate, dark, soft	1730	- 1750	20
Lime, white, hard	1750	- 1775	25
Slate, dark, soft	1775	- 1890	115
✓ 1st Salt Sand, white, hard	1890	- 1918	28
Slate, dark, soft	1918	- 1930	12
✓ 2nd Salt Sand, light, hard	1930	- 1970	40
Slate, dark, soft	1970	- 2070	100
✓ Sand, white, hard	2070	- 2130	60
Slate, dark, soft	2130	- 2170	40
Lime, white, hard	2170	- 2225	55
Red rock, soft	2225	- 2235	10
Lime, white, hard	2235	- 2250	15
Slate, dark, soft	2250	- 2265	15
✓ Little Lime, white, hard	2265	- 2275	10
Slate, dark, soft	2275	- 2295	20
✓ Big Lime, white, hard	2295	- 2385	90
✓ Big Injun Sand, light, hard (gas, 2455-61')	2385	- 2580	195
Slate and shells, dark, open	2580	- 2690	110
Sand, white, soft	2690	- 2710	20
Slate and shells, dark, soft	2710	- 3070	360
✓ Fifty-foot Sand, white, hard	3070	- 3090	20
Slate and shells, dark, hard	3090	- 3125	35
✓ Thirty-foot Sand, white, broken	3125	- 3145	20
Slate and shells, red, soft	3145	- 3152	7
✓ Gordon Stray Sand, dark, hard	3152	- 3170	18
Slate and shells, dark, soft	3170	- 3195	25
✓ Gordon Sand, light, hard	3195	- 3250	55
Slate, dark, soft	3250	- 3277	27
✓ 4th Sand, white, hard (gas, 3293-95')	3277	- 3305	28
Slate, dark, soft	3305	- 3327	22
✓ 5th Sand, white, hard (gas, 3333-35')	3327	- 3340	13
Slate and shell, dark, soft	3340	- 3480	140
✓ Bayard Sand, white, hard	3480	- 3485	5
Slate, dark, soft	3485	- 3521	36
Total depth		3521	