

LATITUDE

394230

25'

LONGITUDE

→ OGIS  
7.5' loc

7.5 OGIS topo location

7.5' loc 2815  
0.69W

15' loc 5695  
(calc.) 0.69W

Company \_\_\_\_\_

Farm \_\_\_\_\_

Quad Hundred magnification

County \_\_\_\_\_

District Church

WELL LOCATION MAP

File No. Wet, S2

Church District, Wetsel County, W. Va.

By The Manufacturers Light & Heat Co., Pittsburgh, Pa.

On 130 acres, surface owned by O. J. Bartrug, Burton, W. Va., and mineral rights by MLANCo., and Union Gasoline & Oil Corp., Pittsburgh, Pa.

Drilled under permit Wet-52, issued Feb. 2, 1931.

Elevation, 1220' B.

13" conductor, 16'; 10" casing, 267' 1"; 8 1/2", 1419' 11"; 6-5/8", 2185' 3".

No packer. No liner used.

Coal was encountered at 612-615, 871-876, and 982-989'.

Completion reported to Dept. of Mines April 27, 1931.

Well was not shot.

Fresh water at 55'.

	Top.	Bottom.	Thickness.
Clay, yellow, soft	0	15	15
Soapstone, blue, soft	15	40	25
Slate, dark, soft (water at 55')	40	75	35
Sandstone, light, hard	75	130	55
Red rock, soft	130	165	35
Limestone, white, hard	165	200	35
Red rock, soft	200	220	20
Soapstone, blue, soft	220	245	25
Limestone, white, hard	245	260	15
Red rock, soft	260	290	30
Slate, dark, soft	290	320	30
Limestone, white, hard	320	370	50
Red rock, soft	370	375	5
Lime, white, hard	375	400	25
Red rock, soft	400	410	10
Limestone, white, hard	410	420	10
Slate, dark, soft	420	430	10
Soapstone, light, soft	430	450	20
Shale-Slate, black, soft	450	490	40
Limestone, white, hard	490	520	30
Sandstone, white, hard	520	555	35
Slate, dark, soft	555	565	10
Bluff Sand, white, hard	565	610	45
Slate, dark, soft	610	612	2
✓ Fairview (Waynesburg) Coal, black, soft	612	615	3
Broken lime, light, hard and soft	615	760	145
✓ Mapletown Lime, white, hard	760	865	105
Slate, dark, soft	865	871	6
✓ Mapletown (Sewickley) Coal, black, soft	871	876	5
Limestone, light, hard	876	900	24
Slate, dark, soft	900	910	10
Broken lime, light, hard and soft	910	982	72
✓ Pittsburgh Coal, black, soft	982	989	7
Slate, black, soft	989	1010	21
Lime, white, hard	1010	1035	25
Slate, dark, soft	1035	1050	15
Limestone, light, hard	1050	1061	11
Red rock, soft	1061	1066	5
Broken lime, light, hard	1066	1100	34
Red rock, soft	1100	1113	13

(OVER)

MOSKES BARTHUG NO. 4 (3478) WELL (Continued).

	Top.	Bottom.	Thickness.
Limestone, light, hard	1113	- 1125	12
Red rock, soft	1125	- 1137	12
Broken lime, light, hard	1137	- 1165	28
Red rock, soft	1165	- 1190	25
Limestone, light, hard	1190	- 1195	5
Red rock, soft	1195	- 1210	15
Soapstone, gray	1210	- 1260	50
Red rock, soft	1260	- 1275	15
Lime, white, hard	1275	- 1285	10
Blue shale, soft	1285	- 1300	15
Red rock, soft	1300	- 1317	17
Limestone, white, hard	1317	- 1325	8
Slate, light, soft	1325	- 1385	60
✓ Little Dunkard Sand, light, hard	1385	- 1440	55
Slate, black, soft	1440	- 1465	25
✓ Big Dunkard Sand, white, hard	1465	- 1525	60
Slate, black, soft	1525	- 1540	15
Lime, white, hard	1540	- 1600	60
Slate-Shell, white and black, hard and soft	1600	- 1630	30
✓ Gas Sand, brown, hard	1630	- 1710	80
Slate, dark, soft	1710	- 1775	65
✓ 1st Salt Sand, gray, hard	1775	- 1815	40
Slate, white, soft	1815	- 1820	5
✓ 2nd Salt Sand, dark, hard	1820	- 1850	30
Slate, dark, soft	1850	- 1885	35
✓ 3rd Salt Sand, dark, hard (gas, <sup>1974'</sup> )	1885	- 1980	95
Slate, dark, soft	1980	- 2060	80
Red rock, soft	2060	- 2100	40
✓ Maxton Sand, white, hard	2100	- 2128	28
Slate, dark, soft	2128	- 2135	7
✓ Little Lime, white, hard	2135	- 2140	5
Pink rock, soft	2140	- 2147	7
✓ Big Lime, white, hard	2147	- 2200	53
✓ Big Injun Sand, light, hard (gas, <sup>2244'</sup> )	2200	- 2445	245
Slate, dark, soft	2445	- 2520	75
✓ Gantz (Squaw?) Sand, light, hard	2520	- 2635	115
Slate-Shells, dark, hard	2635	- 2898	263
✓ 50-Ft. Sand, light, hard (gas, 2899-2901')	2898	- 2910	12
Slate, dark, soft	2910	- 2915	5
Sand, white, hard	2915	- 2930	15
Slate-Shells, dark, soft and hard	2930	- 2980	50
✓ 30-Ft. Sand, white, hard	2980	- 3022	42
Pink rock, soft	3022	- 3025	3
✓ Stray Sand, white, hard	3025	- 3062	37
Slate, dark, soft	3062	- 3075	13
✓ Gordon Sand, light, hard (gas, 3105-07% gas, 3112-14% oil, 3132)	3075	- 3145	70
Slate, dark, soft	3145	- 3170	25
✓ 4th Sand, white, hard	3170	- 3200	30
Slate, dark, soft	3200	- 3230	30
Total depth		3230	