

LATITUDE 39 42 30

80 25

LONGITUDE

0 -> 0635
75' 10"

7'5 OGIS topo location

7.5' loc	<u>2.065</u>	15' loc	<u>4.945</u>
	<u>1.66W</u>	(calc.)	<u>1.66W</u>

Company _____

Farm _____

Quad Hundred mannington rd

County _____

District Church

WELL LOCATION MAP

File No. wet. 66

Church District, Wetzel County, W. Va.
 By Null & Moorhead, Hundred, W. Va.
 On 104 acres, surface owned by Null & Moorhead, Hundred, W. Va.,
 and minerals by W. S. Furbee, Trustee, Mannington, W. Va.
 Drilled under permit ~~Wets-66~~, issued July 5, 1932.
 Elevation, 1272' L.
 13" conductor, 15'; 10" casing, 202'; 8¹/₂"^W, 1435'; 6³/₈"^W, 2141'.
 No liners used.
 Coal was encountered at 615-618, 848-853, and 960-967'.
 Completion reported to Dept. of Mines Dec. 31, 1932.
 Well was shot at 3096-3104', with 30 qts.
 Gas well. Record to RCT from Mrs. Griffith Sept. 2, 1938.

	Top.	Bottom.	Thickness.
Clay, red, soft	0	100	100
Lime, white, hard (no water in hole at 200')	100	300	200
Shale, dark, soft	300	425	125
Lime, white, hard	425	500	75
Slate, dark, soft	500	545	45
Sand, white, hard	545	560	15
Shale, dark, soft	560	575	15
Sand, white, hard	575	615	40
Fairview (Waynesburg) Coal, black, soft	615	618	3
Lime, gritty, white, hard	618	625	7
Slate, dark, soft	625	650	25
Lime, white, hard	650	848	198
Mapletown (Sewickley) Coal, black, soft	848	853	5
Elate and lime, light, soft and hard	853	960	107
Pittsburgh Coal, black, soft (SLM)	960	967	7
Lime, light, hard	967	977	10
Slate and lime, light, hard and soft	977	1017	40
Red rock, soft	1017	1037	20
Lime, white, hard	1037	1050	13
Slate, dark, soft	1050	1070	20
Red rock, soft (cave hole, 1110')	1070	1115	45
Sand, white, hard	1115	1135	20
Slate, dark, soft	1135	1160	25
Lime, white, hard	1160	1190	30
Slate, dark, soft	1190	1220	30
Lime, white, hard	1220	1226	6
Red rock, soft	1226	1250	24
Lime, light, hard	1250	1260	10
Slate, dark, soft	1260	1275	15
Red rock, soft	1275	1305	30
Lime, broken, light, soft	1305	1310	5
Sand, light, hard	1310	1320	10
Slate, black, soft	1320	1350	30
Lime, white, hard	1350	1365	15
Slate, dark, soft	1365	1370	5
Little Dunkard Sand, light, hard	1370	1385	15
Slate, dark, soft	1385	1440	55
Big Dunkard Sand, white, hard (break, 1448')	1440	1500	60
Slate and lime, light, hard and soft	1500	1610	110
Gas Sand, white, hard	1610	1667	57
Slate, black, soft	1667	1670	3
Lime, white, hard	1670	1685	15

(OVER)

WELL & MOORHEAD NO. 4 WELL (Continued).

	Top.	Bottom.	Thickness.
Slate, dark, soft	1685	- 1720	35
Slate, and lime, dark, soft and hard	1720	- 1760	40
✓ 1st Salt Sand, light, hard (break, 1786-1791')	1760	- 1820	60
Slate, dark, soft	1820	- 1870	50
Lime, light, hard	1870	- 1885	15
✓ 2nd Salt Sand, light, hard	1885	- 1965	80
Slate, dark, soft	1965	- 1975	10
✓ 3rd Salt Sand, dark, hard	1975	- 2010	35
Slate and lime, light, hard and soft	2010	- 2030	20
✓ Sand, white, hard (show gas, 2067' gas, 2091-93')	2030	- 2118	88
Slate, dark, soft	2118	- 2121	3
✓ Big Lime, white, hard	2121	- 2175	54
✓ Big Injun Sand, white, hard (very soft?) (gas at 2222-34', 28/10ths water in 2" opening) (SLM)	2175	- 2422	247
Lime, white, hard	2422	- 2460	38
Slate, dark, soft	2460	- 2500	40
Lime, white, hard	2500	- 2600	100
Slate, dark, soft	2600	- 2610	10
Slate and shell, light, soft and hard	2610	- 2740	130
Lime, gritty, dark, hard	2740	- 2765	25
✓ 50-Ft. shells, light, hard and soft	2765	- 2840	75
Lime, gritty, light, hard	2840	- 2850	10
Shells	2850	- 2875	25
Slate, dark, soft	2875	- 2887	12
Lime, white, hard	2887	- 2900	13
✓ 50-Ft. Sand, light, hard, broken up	2900	- 2938	38
Slate, dark, soft	2938	- 2951	13
Lime, gritty, white, hard, broken up	2951	- 2975	24
✓ 30-Ft. Sand, white, hard	2975	- 2985	10
Slate, dark, soft	2985	- 3001	16
Pink rock, soft	3001	- 3003	2
✓ Stray Sand, white, hard (broken, 3008-3011')	3003	- 3023	20
Slate, dark, soft	3023	- 3050	27
Lime, light, hard	3050	- 3059	9
Pink rock, soft	3059	- 3074	15
✓ Gordon Sand, white, hard (gas at 3100-3101', 6/10ths water in 2" opg.)	3074	- 3122	48
Slate, dark, soft	3122	- 3140	18
✓ Fourth Sand, white, hard	3140	- 3171	31
Slate, dark, soft	3171	- 3190	19
Lime, white, hard	3190	- 3198	8
Lime, gritty, white, hard	3198	- 3208	10
Slate, dark, soft	3208	- 3213	5
Total depth		3213	