

LATITUDE

3945

→ OGIS 7.5' loc

55 08

LONGITUDE

7.5 OGIS topo location

7.5' loc  $\frac{0.69S}{1.79W}$

15' loc  $\frac{0.69S}{1.79W}$   
(calc.)

Company \_\_\_\_\_

Farm \_\_\_\_\_

SECTION MAP \_\_\_\_\_

Quad H441e 15NC

County \_\_\_\_\_

District Liberty

WELL LOCATION MAP

File No. Marshall 56

Liberty District, Marshall County, W. Va.

By The Manufacturers Light & Heat Co., 800 Union Trust Bldg.,  
Pittsburgh, Pa.

On 80 acres, surface owned by E. N. Vaughn, Polk, Ohio, and mineral  
rights by ML&Co., Pittsburgh, Pa.

Drilled under permit Mars-56, issued March 23, 1936.

Elevation, 1215' L.

13" conductor, 16'; 10" casing, 286½'; 8½", 1440' 11"; 6-5/8",  
2077' 11".

Anchor packer, 8½" x 6-5/8", set at 1973'.

Coal was encountered at 610-615, 820-825, and 930-935'.

Completion reported to Dept. of Mines July 7, 1936.

Well was not shot.

Fresh water at 80'; and 935'.

Gas well.

	Top.	Bottom.	Thickness.
Clay, soft	0	10	10
Lime, hard	10	40	30
Slate, soft (water at 80')	40	80	40
Lime, hard	80	125	45
Gritty lime, hard	125	140	15
Slate, soft	140	200	60
Sand, hard	200	225	25
Slate, soft	225	240	15
Lime and sand, hard	240	300	60
Lime, hard	300	350	50
Slate, soft	350	400	50
Slate and shells, soft	400	450	50
Gritty lime, hard	450	475	25
Slate, soft	475	500	25
Lime, hard	500	610	110
✓Waynesburg Coal, black, soft	610	615	5
Lime, hard	615	820	205
✓Mapletown (Sewickley) Coal, black, soft	820	825	5
Lime, hard	825	930	105
✓Pittsburgh Coal, black, soft (water at 935')	930	935	5
Lime, hard	935	980	45
Red rock, soft	980	995	15
Slate, soft	995	1025	30
Red rock, soft	1025	1033	8
Lime, hard	1033	1062	29
Red rock, soft	1062	1085	23
Lime, hard	1085	1110	25
Slate, soft	1110	1120	10
✓Murphy Sand, hard	1120	1135	15
Red rock, soft	1135	1155	20
Lime, hard	1155	1175	20
Slate, dark, soft	1175	1205	30
Red rock, soft	1205	1230	25
Lime, hard	1230	1265	35
Slate, gray and dark, soft	1265	1305	40
✓Little Dunkard Sand, hard	1305	1325	20
Red rock, soft	1325	1335	10
Lime, hard	1335	1370	35
Slate, dark, soft	1370	1425	55

(OVER)

E. N. VAUGHN NO. 3522 WELL. (Continued).

	Top.	Bottom.	Thickness.
✓ Big Dunkard Sand, hard	1425	- 1430	5
Slate, soft	1430	- 1475	45
Gritty lime, hard	1475	- 1500	25
Slate, soft	1500	- 1520	20
✓ Coal, soft	1520	- 1525	5
Slate, soft	1525	- 1540	15
Lime, hard	1540	- 1550	10
Slate and shells, soft and hard	1550	- 1600	50
Lime, hard	1600	- 1625	25
Slate, soft	1625	- 1660	35
Lime, hard	1660	- 1665	5
Slate, soft	1665	- 1700	35
Lime, hard	1700	- 1740	40
Slate, soft	1740	- 1800	60
✓ Salt Sand, hard <sup>2nd</sup>	1812	- 1837	25
Slate, soft	1837	- 1908	71
✓ Sand, hard (show of gas, 1923 <sup>rd</sup> ) <sup>silt</sup>	1908	- 1985	77
Slate, soft	1985	- 2000	15
<i>Salt</i> ✓ <del>Marion</del> Sand (gas, 2002, 2010, and 2015 <sup>th</sup> )	2000	- 2025	25
✓ Pencil Cave, soft	2025	- 2030	5
✓ Big Lime, hard	2030	- 2091	61
✓ Big Injun Sand, hard (gas, 2103 <sup>rd</sup> )	2091	- 2217	126
Total depth		2217	

2030

1215

815