## Generalized Section of the Rocks Exposed in the Burgettstown and Carnegie Quadrangles

**Scale:** 1 inch = 100 feet

### System
**Ordovician**
- **Monongahela Formation:**
  - [Diagram](#)
  - **Shale:** Dark shale and coarse argillaceous sandstone.
  - **Sandstone:** Sandstone, shale, limestone, and thin coals.
  - **Limestone:** Gray shale and limestone and some sandstone.

**Carboniferous**
- **Connovale Formation:**
  - [Diagram](#)
  - **Shale:** Gray or greenish shale, sandstone, thin coals and some limestone.
  - **Sandstone:** Considerable sandy shale and some sandstone.

- **Waynesburg Formation:**
  - [Diagram](#)
  - **Shale:** Considerable sandy shale and some sandstone.
  - **Sandstone:** Heavy bedded coarse sandstone.

- **Uniontown Formation:**
  - [Diagram](#)
  - **Shale:** Shaly sandstone.
  - **Sandstone:** Heavy bedded coarse sandstone.

- **Burr Oak Formation:**
  - [Diagram](#)
  - **Shale:** Considerable sandy shale and some sandstone.
  - **Sandstone:** Heavy bedded coarse sandstone.

### Character and Distribution of Minor Divisions

- **Washington Formation:**
  - **Upper Washington limestone member:** Dark bluish-gray compact limestone; weathers light gray.
  - **Jollytown limestone member:** Thin coal, local.
  - **Jollytown coal:** Hard, brecciated, and fossiliferous limestone.
  - **Middle Washington limestone member:** Light, bluish-gray compact limestone; weathers yellowish.
  - **Lower Washington limestone member:** Persistent coal of medium thickness.
  - **Washington coal:** 7 to 8 feet thick.
  - **Washington sandstone member:** Continuous, gray, or light-gray sandstone.
  - **Little Washington coal:** 6 to 12 inches thick.
  - **Waynesburg "B" coal:** 6 to 12 inches thick.
  - **Waynesburg "A" coal:** 12 to 24 inches thick.
  - **Split of Waynesburg "A" coal:** 6 to 12 inches thick.
  - **Waynesburg sandstone member:** Coarse, gray, or light-gray sandstone.
  - **Waynesburg coal:** 6 to 12 inches thick.
  - **Little Waynesburg coal:** 6 to 12 inches thick.
  - **Waynesburg limestone member:** Thin coal, local.
  - **Uniontown sandstone member:** Shale and sandstone, in part cross-bedded.
  - **Uniontown coal:** 0 to 2 feet thick.
  - **Uniontown limestone member:** Gray shale and limestone and some sandstone.
  - **Bulger limestone bed:** Thin coal, local.
  - **Benwood limestone bed:** Thin coal, local.
  - **Connellsville sandstone member:** Considerable sandy shale and some sandstone.
  - **Clarksburg limestone member:** Considerable sandy shale and some sandstone.
  - **Morgantown sandstone member:** Considerable sandy shale and some sandstone.
  - **Elk Lick coal:** 0 to 18 inches thick.
  - **Elk Lick clay bed:** Thin coal, local.
  - **Birmingham shale member:** Considerable sandy shale and some sandstone.
  - **Berlin coal:** Thin coal, local.
  - **Ames limestone member:** Concretionary shale.
  - **Friendsville or Harlem coal:** Thin, irregular limestone.
  - **Saltsburg sandstone member:** Pockety coal, locally valuable bed.
  - **Bakerstown coal:** Thin coal.
  - **Brush Creek coal:** Considerable sandy shale and some sandstone.
  - **Mahoning sandstone member:** Heavy bedded coarse sandstone.
  - **Pittsburg sandstone member:** Thin coal, local.

### General Character of Formation
SECTIONS OF DEEP WELLS IN THE BURGETTSTOWN AND CARNEGIE QUADRANGLES

BURGETTSTOWN

1. Peterson No. 1, one-half mile northwest of Florencia.
2. Martin No. 1, head of Martin Hollow.
3. Kidd No. 1, one-half mile southeast of Eldersville.
4. Henry C. Cooper, 2 miles south southeast of Eldersville.
5. John Studa, 1½ miles north of Pattersons Mill.
6. G. Cunningham, 1½ miles northwest of Pattersons Mill.
7. James Martin, on Cross Creek 2 miles west of Pattersons Mill.
8. Buchanan, 11 miles southwest of Woodrow.
9. McCorkle, one-half mile southwest of Woodrow.
10. Great McGuigan gas well, 1 mile southeast of Woodrow.
12. Parkinson, three-fourths mile west of Westland.

CARNEGIE

13. C. J. McNary No. 2, on Plum Run, 3½ miles southwest of Canaryburg.
14. Thomas Thompson No. 1, 2½ miles southwest of Canaryburg.
15. Thomas Shapel No. 1, 1½ miles northwest of Canaryburg.
16. Th. and E. Shapel No. 1, 1½ miles northeast of Canaryburg.
17. John McDowell No. 1, on Little Chartiers Creek, 3 miles east of Canaryburg.
18. McNary heirs No. 2, 4 miles east of Canaryburg.
19. C. McMurry No. 6, 1½ miles west of Bowen Hill.
20. Park heirs No. 1, three-fourths mile southeast of McMurry.
21. Williams No. 1, one-half mile southeast of McMurry.
22. Mitchell Douglas No. 1, three-fourths mile east of McMurry.
23. Wm. McConkey No. 1, 2 miles northeast of Library.
24. Wm. Bedell, West Elizabeth, 5½ miles east of the Carnegie quadrangle.

NAMES AND LOCATIONS OF WELLS

BURGETTSTOWN
1. Peterson No. 1, one-half mile northwest of Florencia.
2. Martin No. 1, head of Martin Hollow.
3. Kidd No. 1, one-half mile southeast of Eldersville.
4. Henry C. Cooper, 2 miles south southeast of Eldersville.
5. John Studa, 1½ miles north of Pattersons Mill.
6. G. Cunningham, 1½ miles northwest of Pattersons Mill.
7. James Martin, on Cross Creek 2 miles west of Pattersons Mill.
8. Buchanan, 11 miles southwest of Woodrow.
9. McCorkle, one-half mile southwest of Woodrow.
10. Great McGuigan gas well, 1 mile southeast of Woodrow.
12. Parkinson, three-fourths mile west of Westland.

CARNEGIE
13. C. J. McNary No. 2, on Plum Run, 3½ miles southwest of Canaryburg.
14. Thomas Thompson No. 1, 2½ miles southwest of Canaryburg.
15. Thomas Shapel No. 1, 1½ miles northwest of Canaryburg.
16. Th. and E. Shapel No. 1, 1½ miles northeast of Canaryburg.
17. John McDowell No. 1, on Little Chartiers Creek, 3 miles east of Canaryburg.
18. McNary heirs No. 2, 4 miles east of Canaryburg.
19. C. McMurry No. 6, 1½ miles west of Bowen Hill.
20. Park heirs No. 1, three-fourths mile southeast of McMurry.
21. Williams No. 1, one-half mile southeast of McMurry.
22. Mitchell Douglas No. 1, three-fourths mile east of McMurry.
23. Wm. McConkey No. 1, 2 miles northeast of Library.
24. Wm. Bedell, West Elizabeth, 5½ miles east of the Carnegie quadrangle.