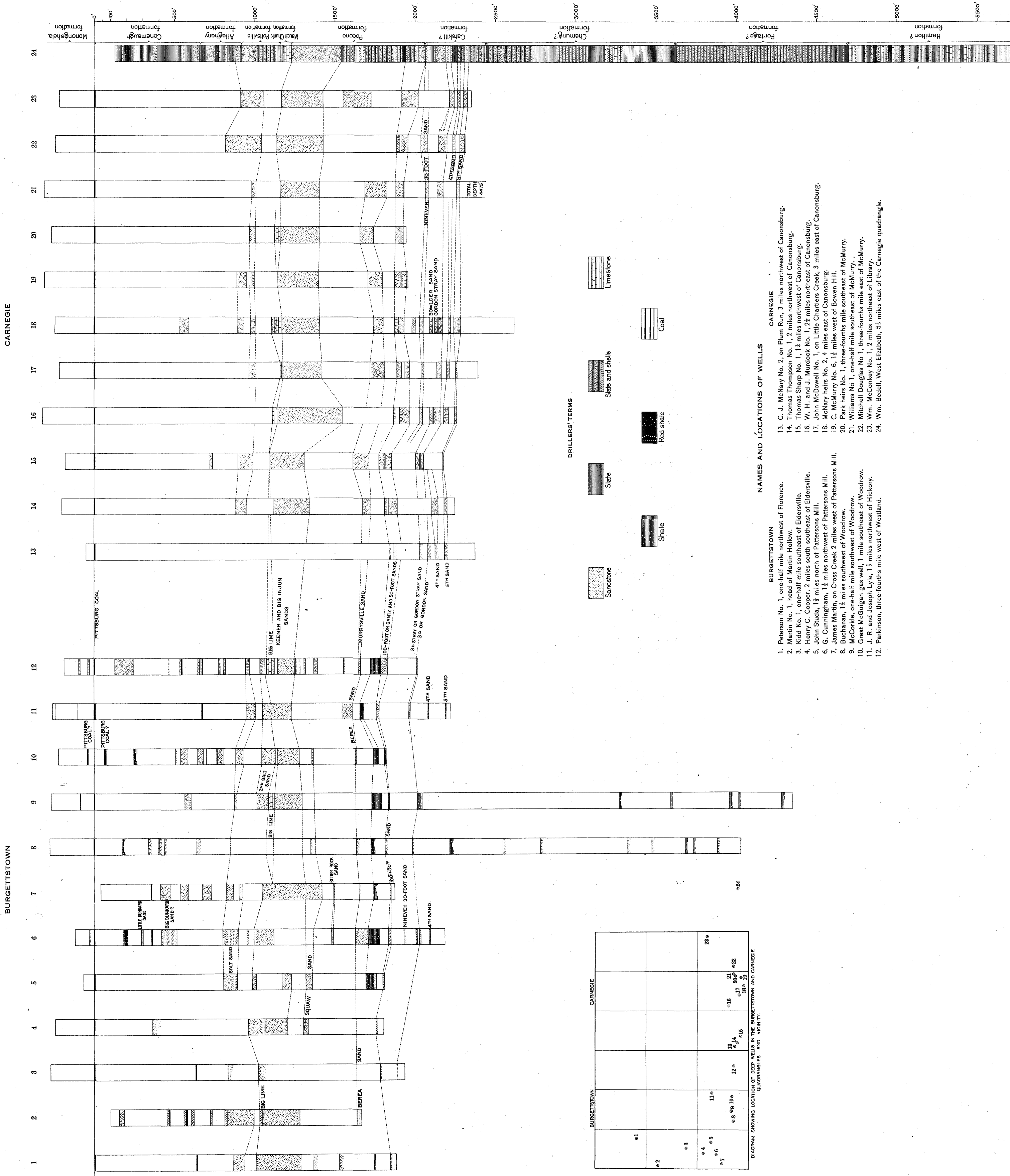


COLUMNAR SECTION

GENERALIZED SECTION OF THE ROCKS EXPOSED IN THE BURGETTSTOWN AND CARNEGIE QUADRANGLES.								
SCALE: 1-INCH=100 FEET.								
SYSTEM.	SERIES.	FORMATION.	SYMBOL.	SECTION.	THICKNESS IN FEET.	MINOR DIVISIONS.	CHARACTER AND DISTRIBUTION OF MINOR DIVISIONS.	GENERAL CHARACTER OF FORMATION.
P E N N S Y L V A N I A N	P E R M I A N (DUNKARD GROUP)	Greene formation.	Cg		40+			Dark shale and coarse argillaceous sandstone.
		Washington formation.	Cw		(0-5)	Upper Washington limestone member. Jollytown limestone member. Jollytown coal. Middle Washington limestone member.	Dark bluish-gray compact limestone; weathers light gray. Thin coal, local. Hard brecciated and fossiliferous limestone.	Sandstone, shale, limestone, and thin coals; Washington coal near middle.
					275	Lower Washington limestone member. Washington coal, 7 to 8 feet thick. Washington sandstone member. Little Washington coal, 6 to 12 inches thick. Waynesburg "B" coal. Waynesburg "A" coal. Split of Waynesburg "A" coal. Waynesburg sandstone member. Cassville shale member. Waynesburg coal.	Light bluish-gray compact limestone; weathers yellowish. Persistent, with many thick partings. Thin coal, local. Thin coal, local. Persistent coal of medium thickness. Coarse flaggy sandstone. Mined for local use.	
					290	Uniontown limestone member. Bulger limestone bed. Dinsmore limestone bed. } Benwood limestone member.	Thin coal or bituminous shale. Sandy shale and local hard layers of sandstone. Fairly good coal in places, generally underlain by clay. Alternating shale and lenticular beds of limestone. Nonfossiliferous fine-grained gray compact limestone, with interbedded shale and sandstone.	
						Sewickley coal. Redstone coal. Pittsburg sandstone member. Pittsburg Rider or Rooster seam. Pittsburg coal.	Thin coal, local. Thin coal. Shale and sandstone, in part cross-bedded. Variable coal, locally workable. Valuable coal bed.	
	UNCONFORMITY							
	Conemaugh formation.	Com (Cam)		(5-30)	Little Pittsburg coal, 0 to 1 foot thick. Lower Pittsburg limestone member. Connellsville sandstone member. Little Clarksburg coal, 0 to 7 feet. Clarksburg limestone member.	Concretionary shale. Thin, irregular limestone. Pocketty coal; locally valuable bed.	Gray or greenish shale, sandstone, thin coals and some limestone.	
				(1-3)	Morgantown sandstone member. Elk Lick coal, 0 to 18 inches thick. Elk Lick clay bed.	Coarse variable sandstone. Thin coal.		
				500+	Birmingham shale member. Berlin coal. Ames limestone member. Friendsville or Harlem coal, 0 to 2 feet thick. Saltsburg sandstone member. Bakerstown coal. Brush Creek coal. Mahoning sandstone member.	Considerable sandy shale and some sandstone. Thin to thick coal. Greenish-gray impure limestone, locally workable. Shaly sandstone. Thin coal, local. Heavy-bedded coarse sandstone.		

SECTIONS OF DEEP WELLS IN THE BURGETTSTOWN AND CARNEGIE QUADRANGLES

SCALE: 1 INCH = 400 FEET



- DRILLERS' TERMS**
- Sandstone
 - Slate
 - Slate and shells
 - Red shale
 - Coal
 - Limestone

- BURGETTSTOWN**
1. Peterson No. 1, one-half mile northwest of Florence.
 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 Studs, 1 1/2 miles north of Pattersons Mill.
 6. G. Cunningham, 1 1/2 miles northwest of Pattersons Mill.
 7. James Martin, on Cross Creek 2 miles west of Pattersons Mill.
 8. Buchanan, 1 1/2 miles southwest of Woodrow.
 9. McCord, one-half mile northwest of Woodrow.
 10. Great McDougan gas well, 1 mile southeast of Woodrow.
 11. J. R. and Joseph Lyle, 1 1/2 miles northwest of Hickory.
 12. Parkinson, three-fourths mile west of Westland.

- CARNEGIE**
13. C. J. McNary No. 2, on Plum Run, 3 miles northwest of Canonsburg.
 14. Thomas Thompson No. 1, 2 miles northwest of Canonsburg.
 15. Thomas Sharp No. 1, 1 1/2 miles northwest of Canonsburg.
 16. W. H. and J. Murdock No. 1, 2 1/2 miles northeast of Canonsburg.
 17. John McDowell No. 1, on Little Chertiers Creek, 3 miles east of Canonsburg.
 18. McNary heirs No. 2, 4 miles east of Canonsburg.
 19. C. McNary No. 1, 6 1/2 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 Liberty.
 24. Wm. Biddell, West Elizabeth, 3 1/2 miles east of the Carnegie quadrangle.

DIAGRAM SHOWING LOCATION OF DEEP WELLS IN THE BURGETTSTOWN AND CARNEGIE QUADRANGLES AND VICINITY.

BURGETTSTOWN		CARNEGIE	
•1			
•2			
•3			
•4	11*		25*
•5			
•6		15	21
•7	8 9 10*	17 20*	22
	12*	18*	23
		13	24
		14	25