

The top of this well starts 215 feet below the Pittsburgh coal, and the top of the Berea sand is reached at 2,066 feet, making an interval between the Pittsburgh coal and the Berea sand of 2,281 feet.

This well is located N. 10° E., four miles and a fourth from the Harden well and shows the strata to thin 171 feet between the Pittsburgh coal and the Berea sand in that distance.

In the Bill creek section, pages 83-85 of this volume, the record of well No. 13, published in connection with said section, shows the interval between the Pittsburgh coal and the top of the Berea sand to be 2,233 feet, thinning 38 feet in a distance of three miles, N. 45° E.

The Davis Well.

Record of the Davis well (P-16), located on Little Guano creek, Buffalo district, Putnam county. Well drilled in 1904; elevation of top, 590' A. T. (Aneroid):

	Thickness. Feet.	Total. Feet.	
Conductor	35	35	
Coal and slate (Pittsburgh)	5	40	
Yellow rock, hard shells	35	75	
Sandstone, tough, slate colored	40	115	
Red rock	30	145	
Hard lime	5	150	
Slate	35	185	
Lime	15	200	
Slate	40	240	
Red rock	60	300	Conemaugh
Lime	20	320	Series.
Yellow fire clay	35	355	635'
Red rock	60	415	
Sand	20	435	
Lime	25	460	
Red rock (pale and gritty)	25	485	
Sand, sharp	25	510	
Slate	30	540	
Sand, water	135	675	
Slate	10	685	
Lime, hard	40	725	
Slate	75	800	
Sand, brown	35	835	Allegheny
Sand, water	35	870	Series.
Slate	10	880	250'
Coal or black slate (Lower Kittanning) ..	10	890	
Slate and shells	35	925	

Conemaugh Series. 245'

Allegheny Series. 255'

Pittsville Series. 865'

Pittsburgh 67 feet,

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	Thickness. Feet.	Total Feet.	
Sand, water	15	940	Pottsville Series. 665'
Slate	70	1010	
Sand	60	1070	
Slate	255	1325	
Lime	50	1375	
Sand	40	1415	
Slate	20	1435	
Sand	155	1590	
Lime	18	1608	
Slate	30	1638	
Sand, water	5	1643	
Sand	25	1668	
Sand, conglomerate, lime and slate	95	1763	
Slate and hard lime, shells, alternately (cased, 1782')	245	2008	
Slate	75	2083	
Shells	24	2107	
Berea Grit	22	2129	
Slate and sand to bottom	404	2533	

The Cargill Well.

Record of the Cargill well (P-17), located one mile and a fourth southwest of Red House, Scott district, Putnam county; elevation of surface, 597' A. T.; record furnished the Survey by Mr. Jerome T. Boyers:

	Thickness. Feet.	Total. Feet.
Unrecorded	1127	1127
Top of Salt sand		
Top of Big Lime		1421
Unrecorded	207	1628
White sand (Big Injun)	161	1789
Unrecorded	126	1915
Lime		1915
Unrecorded	200	2115
Slate	2	2117
Sand (Berea?)	154	2271
Sand (Berea)	20	2291
Sand	57	2348
Slate	37	2385
Sand (Gordon ?)	20	2405
Slate	180	2585
Slate and shells to bottom	18	2603

This well starts near the level of the Pittsburgh coal, and hence the interval of the Berea sand below the Pittsburgh coal is 2,271 feet, as given by the driller, but the true Berea is more probably at 2,177 feet.

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