Table 8. Drillers' log records, including layer description, thickness, and depth, for wells in the northeast portion of the alluvial aquifer at Louisville, Kentucky.

[DMS, degrees minutes seconds; ft, feet; bls, below land surface]

Map number on figure 6	Site identification number	North latitude[1] (DMS)	West longitude[1] (DMS)	Approximate land surface elevation[2] (ft)	Layer description	Layer thickness (ft)	Depth to bottom of layer (ft bls)
2	381604085430501	38°16'04"	85°43'05"	439	Clay, fine sand	5	5
					Silt, fine sand	15	20
					Sand, small gravel	10	30
					Sand, medium gravel	15	45
					Sand	45	85
					Sand, gravel	16	101
					Limestone	[3]4	[4]105
3	381613085421901	38°16'13"	85°42'19"	435	Top soil	15	15
					Blue mud	15	30
					Blue mud, gravel	5	35
					Sand	40	75
					Sand, gravel	10	85
					Bedrock	[3]1	[4]86
5	381614085431201	38°16'14"	85°43'12"	429	Clay, sand	5	5
					Blue mud, gravel	5	10
					Blue mud, sand	15	25
					Fine to coarse sand	15	40
					Medium sand, small gravel	10	50
					Sand, medium gravel	20	70
					Sand	18	88
					Limestone	[3]2	[4]90
4	381622085423401	38°16'22"	85°42'34"	429	Clay, blue mud	30	30
					Blue mud, sand	5	35
					Fine to medium sand	50	85
					Fine to medium gravel	5	90
					Fine sand	5	95
					Bedrock	[3]7	[4]102

Table 8. Drillers' log records, including layer description, thickness, and depth, for wells in the northeast portion of the alluvial aquifer at Louisville, Kentucky.—*Continued*

[DMS, degrees minutes seconds; ft, feet; bls, below land surface]

Map number on figure 6	Site identification number	North latitude[1] (DMS)	West longitude[1] (DMS)	Approximate land surface elevation[2] (ft)	Layer description	Layer thickness (ft)	Depth to bottom of layer (ft bls)
8	381630085414901	38°16'30"	85°41'49"	428	Top soil	20	20
					Gravel	20	40
					Fine sand, gravel	10	50
					Sand	5	55
					Sand, gravel	5	60
					Sand	15	75
					Sand, gravel	9	84
					Sand	6	90
					Fine sand, large gravel	2	92
					Shale and limestone	[3]2	[4]94
9	381632085424301	38°16'32"	85°42'43"	423	Mud	20	20
					Sand, gravel	20	40
					Sand	25	65
					Sand, gravel	15	80
					Sand	5	85
					Bedrock	[3]4	[4]89
43	381654085413301	38°16'54"	85°41'33"	438	Top soil	20	20
					Fine sand to gravel	15	35
					Sand	50	85
					Sand to large gravel	5	90
					Sand	11	101
					Bedrock	[3]3	[4]104
45	381702085414001	38°17'02"	85°41'40"	427	Blue mud	20	20
					Sand, gravel	15	35
					Sand	25	60
					Sand, gravel	15	75
					Mud, sand	17	92
					Limestone	[3]4	[4]96

Table 8. Drillers' log records, including layer description, thickness, and depth, for wells in the northeast portion of the alluvial aquifer at Louisville, Kentucky.—*Continued*

[DMS, degrees minutes seconds; ft, feet; bls, below land surface]

Map number on figure 6	Site identification number	North latitude[1] (DMS)	West longitude[1] (DMS)	Approximate land surface elevation[2] (ft)	Layer description	Layer thickness (ft)	Depth to bottom of layer (ft bls)
46	381710085404501	38°17'10"	85°40'45"	438	Top soil	25	25
					Coarse sand to large boulders	40	65
					Fine sand to large boulders	5	70
					Fine to medium sand	2	72
					Bedrock	[3]2	[4]74
47	381711085410501	38°17'11"	85°41'05"	436	Clay, large gravel	25	25
					Sand, gravel	10	35
					Sand	25	60
					Sand, gravel	5	65
					Sand	5	70
					Sand, gravel	10	80
					Sand	20	100
					Bedrock	[3]3	[4]103
49	381722085405801	38°17'22"	85°40'58"	434	Top soil	20	20
					Fine sand	10	30
					Medium to coarse sand	20	50
					Fine sand to pea gravel	10	60
					Fine to coarse sand	10	70
					Fine sand to pea gravel	10	80
					Fine to medium sand	20	100
					Bedrock	[3]3	[4]103
51	381742085402001	38°17'42"	85°40'20"	439	Sticky clay	26	26
					Medium gravel	4	30
					Fine sand to medium gravel	50	80
					Very large gravel	5	85
					Fine sand to large gravel	15	100
					Unknown	3	103
					Bedrock	[3]2	[4]105

Table 8. Drillers' log records, including layer description, thickness, and depth, for wells in the northeast portion of the alluvial aquifer at Louisville, Kentucky.—*Continued*

[DMS, degrees minutes seconds; ft, feet; bls, below land surface]

Map number on figure 6	Site identification number	North latitude[1] (DMS)	West longitude[1] (DMS)	Approximate land surface elevation[2] (ft)	Layer description	Layer thickness (ft)	Depth to bottom of layer (ft bls)
52	381827085392401	38°18'27"	85°39'24"	456	Top soil	6	6
					Clay, sand	14	20
					Gravel	45	65
					Sand, pea gravel	25	90
					Sand, gravel	20	110
					Cemented sandstone	1	111
					Sand, pea gravel	9	120
					Blue shale, limestone	[3]10	[4]130
53	381904085384801	38°19'04"	85°38'48"	438	Top soil	22	22
					Blue mud	3	25
					Medium to coarse sand	5	30
					Blue mud, sand, gravel	5	35
					Clay, sand, pea gravel	45	80
					Sand, boulders	5	85
					Fine to coarse sand	15	100
					Medium sand to pea gravel	4	104
					Blue shale, limestone	[3]6	[4]110

[1]Horizontal reference, North American Datum 1927 (NAD 27).

[2]Elevation reference, National Geodetic Vertical Datum of 1929 (NGVD 29).

[3]Distance drilled into consolidated layer.

[4]Total depth of borehole.