

Table 1.--Selected Well and Boring Logs 65 23-4657 0-16 surficial 16-150 red sandstone 66 23-7108 0-12 surficial 12-114 red sandstone 1 26-6059 0-8 dirt 8-250 red shale 67 23-7404 0-34 surficial 34-50 shale 2 26-828 0-71 surficial 68 23-7190 0-30 surficial 71-180 sandstone in all colors 30-150 red shale 180-200 trap 3 26-2237 0-115 surficial 69 23-7174 0-30 surficial 30-159 red shale 115-298 soft red rock 70 23-8956 0-85 surficial 4 26-4066 0-57 surficial 85-118 sandstone 57-300 red rock 71 23-4597 0-93 surficial 5 26-4421 0-120 surficial 93-200 red rock 120-324 red rock 72 23-4232 0-10 surficial 6 26-4422 0-120 surficial 10-670 trap rock 120-450 red rock 73 23-7743 0-3 surficial 7 26-810 0-99 surficial 3-1085 granite (diabase) 99-380 pale red sandstone 380-410 gray argillite + sandstone 74 23-6889 0-40 surficial 410-470 light gray sandstone 40-200 shale + sandstone + trap fragments 75 23-4637 0-24 surficial 8 26-4328 0-120 surficial 24-110 white rock 120-356 red rock 110-137 trap 10 26-461 0-55 surficial 76 23-4424 0-34 surficial 55-250 red shale 34-150 red + white sandstone 250-400 sand rock 400-410 trap 77 23-5397 0-69 surficial 69-160 red sandstone 11 26-2781 0-46 surficial 46-396 red rock 78 23-4596 0-3 surficial 3-15 shale 12 26-4357 0-35 surficial 15-125 brown sandstone 35-370 sandstone and trap 125-200 red rock 13 26-791 0-135 surficial 79 23-4801 0-30 surficial 135-354 sandstone 30-165 red sandstone 14 26-6111 0-146 surficial 80 23-6344 0-50 surficial 146-242 sandstone 50-167 red rock 15 26-7000 0-121 surficial 81 23-4259 0-45 surficial at 121 red shale 45-150 red rock 17 26-2427 0-140 surficial 82 23-7586 0-28 surficial 140-380 shale 28-170 red sandstone 18 26-6142 0-155 surficial 83 BWA files 0-101 surficial 155-300 red rock 23-44-536 101-142 red shale 21 26-3519 0-20 surficial 84 23-1139 0-26 surficial 20-345 trap rock 26-106 red sandstone 22 26-3430 0-18 surficial 85 23-1138 0-26 surficial 18-570 trap rock 26-109 red sandstone 23 26-4043 0-18 surficial 86 23-1117 0-35 surficial 18-265 trap rock 35-106 red sandstone 24 26-4716 0-151 surficial 87 23-6255 0-18 surficial 151-202 red shale 18-150 red rock 25 26-2436 0-30 surficial 89 23-7279 0-76 surficial 30-300 sandstone 76-90 red shale 90-160 brown fine sandstone 26 26-4489 0-22 surficial 160-386 brown shale 22-300 red rock 90 23-6475 0-40 surficial 27 26-4217 0-50 red shale 40-90 red sandstone 50-230 sandstone 91 23-4570 0-17 surficial 28 26-5079 0-21 surficial 17-125 red rock 21-200 red rock 92 23-4876 0-41 surficial 29 26-785 0-76 surficial 41-200 red sandstone 76-158 red rock 93 23-5631 0-16 surficial 31 26-3429 0-20 surficial 16-185 red sandstone 20-161 red rock 94 23-4409 0-30 surficial 33 26-4752 0-25 surficial 30-185 sandstone + red shale 25-70 red shale 95 23-499 0-44 surficial 34 26-3853 0-27 surficial 44-100 red rock 27-200 sandstone and shale ledges 96 23-8200 0-44 surficial 35 26-3271 0-15 surficial 44-150 red sandstone 15-198 shale 97 23-1302 0-72 surficial 36 26-145 0-20 surficial 72-75 red rock 20-200 red rock 98 23-1184 0-84 surficial 37 26-3730 0-20 surficial 84-88 brown sandstone 20-25 soft red shale 25-230 red sandstone 88-95 red shale 99 23-1981 0-85 surficial 38 26-3491 0-24 surficial 85-90 red sandstone 24-96 red rock 102 23-1260 0-82 surficial 39 26-3898 0-47 surficial 82-96 dusky red micaceous 47-96 white and purple sandstone sandstone 40 26-3691 0-21 surficial 103 23-1451 0-79 gray surficial 21-210 trap rock 79-89 red sandstone 210-235 red or pink trap rock 104 23-1971 0-102 surficial 41 26-1357 0-29 surficial 102-106 red rock 29-176 conglomerate 176-180 dark gray trap rock 105 23-7381 0-12 surficial 12-120 red sandstone 42 26-1798 0-52 surficial 52-202 red rock 106 23-4442 0-88 surficial 88-475 sandstone 43 26-1615 0-19 surficial 19-100 sand rock 107 23-6058 0-43 backfill 43-175 red sandstone 44 26-4394 0-28 surficial 28-107 red sandstone 108 23-7908 0-50 surficial 45 26-2787 0-38 surficial 50-120 red shale 38-107 red sandstone 109 23-878 0-38 surficial 46 26-4103 0-73 surficial 38-122 red sandstone 73-145 red sandstone 110 23-4446 0-34 surficial 47 26-3825 0-12 surficial 34-50 red rock 12-38 shale 111 23-5838 0-20 surficial 38-125 red rock + sandstone mixed 20-348 red rock 48 26-663 0-37 surficial 112 23-5940 0-33 surficial 37-50 brown stone 33-346 red rock 49 26-1169 0-20 surficial 113 23-5939 0-11 surficial 20-75 red rock 11-33 red shale 51 26-533 0-74 surficial 33-348 red rock 74-125 red sandstone 114 23-6267 0-81 surficial 53 26-4336 0-30 surficial 81-252 sandstone 30-165 trap rock, some reddish 115 23-6345 0-49 surficial fine sandstone 49-171 red rock 54 26-3492 0-10 surficial 116 23-4284 0-76 surficial 10-97 trap rock 76-167 red rock 55 26-5817 0-8 surficial 117 23-838 0-55 surficial 8-740 granitic rock (diabase) 55-268 red sandstone 740-1000 red shale 56 23-8340 0-15 surficial 118 23-2471 0-52 surficial 52-150 red sandstone 15-243 trap rock 243-367 red shale 119 23-1664 0-33 surficial 57 23-8314 0-40 surficial 33-35 rock, soft sandstone 35-54 rock, hard sandstone 40-800 trap rock 120 23-1672 0-138 surficial 58 23-463 0-31 surficial 138-401 red, brown shale + 31-68 sandstone sandstone 59 23-2348 0-72 surficial 121 23-5133 0-61 surficial 72-276 sandstone 61-500 red shale 60 23-2273 0-72 surficial 122 23-4196 0-36 surficial 72-279 sandstone 36-248 red rock 61 23-5056 0-76 surficial 123 23-3807 0-27 surficial 76-164 red sandstone 27-300 red rock + shales 62 23-4388 0-21 surficial 125 23-2906 0-33 surficial 21-185 red rock 33-114 sandstone 63 23-4533 0-21 surficial 126 23-4674 0-51 surficial 21-170 red sandstone 51-142 red rock

127 23-6320 0-38 surficial

38-102 soft red sandstone

64 23-7583 0-14 surficial

at 14 shale

130 23-501 0-34 surficial 34-110 red sandstone 131 23-5977 0-25 surficial 25-31 white sandstone, coarse 31-150 white + red sandstone at 150 trap rock 132 23-4689 0-38 surficial 38-100 white sandstone 100-140 trap with white sandstone 133 23-6767 0-3 surficial 3-1205 trap rock 134 N23-44-322 0-47 surficial 47-594 red sandstone 136 23-5860 0-30 surficial 30-35 soft red shale 35-53 soft red sandstone 53-120 hard red sandstone 137 23-7297 0-60 surficial 60-125 red sandstone 138 23-7335 0-96 surficial 96-174 red shale with some streaks of sandstone 139 23-7844 0-45 surficial 45-68 red shale 68-205 sandstone + shale 140 23-1063 0-76 surficial 76-102 red sandstone 141 23-6873 0-63 surficial 63-200 argillite 142 23-6818 0-73 surficial 73-130 red sandstone 143 23-971 0-33 surficial 33-82 red rock 144 23-5521 0-26 surficial 26-145 red sandstone 145 23-1446 0-24 surficial 24-75 red sandstone 146 23-4108 0-43 surficial 43-364 shale + sand rock 147 23-1497 0-24 surficial 24-65 hard red sandstone 65-102 red shale 148 23-7788 0-50 surficial 50-160 red rock 149 23-3127 0-35 surficial 35-100 red sandstone 150 23-5228 0-28 surficial 28-500 red shale + sandstone 151 23-5590 0-30 surficial 30-50 shale 50-250 red rock 152 23-5879 0-33 surficial 33-125 red sandstone 153 23-3034 0-9 surficial 9-37 soft red shale 37-130 hard red shale 154 23-6831 0-51 surficial 51-200 red rock 155 23-927 0-36 surficial 36-72 red sandstone 156 23-7828 0-30 surficial 30-102 red shale 157 23-6642 0-19 surficial 19-96 red shale, red sandstone 158 23-4795 0-59 surficial 59-200 red sandstone 159 23-5520 0-25 surficial 25-145 red sandstone 160 23-7662 0-8 red hardpan 8-180 red sandstone 161 23-7107 0-48 surficial 48-107 red sandstone 162 23-7099 0-54 surficial 54-120 red sandstone 163 23-153 0-88 surficial 88-185 red rock 164 23-4248 0-45 surficial 45-210 red rock 165 23-4250 0-45 surficial 45-210 red rock 166 23-3259 0-36 surficial 36-171 red rock 170 23-6186 0-60 surficial 60-530 red rock 171 23-6016 0-65 surficial 65-500 red rock 172 23-4318 0-62 surficial 62-150 red rock 173 23-4285 0-90 surficial 90-450 red rock 174 23-321 0-70 surficial 70-145 red shale 175 23-300 0-76 surficial 76-150 red shale 177 23-2590 0-88 surficial 88-180 red rock 178 23-3699 0-50 surficial 50-320 siltstone and sandstone 180 23-7210 0-92 surficial 92-412 red shale and sandstone 181 23-4438 0-25 surficial 25-78 red rock 182 23-2107 0-38 surficial 38-79 reddish trap rock 79-130 gray trap rock 183 23-222 0-21 surficial 21-105 diabase 184 23-7950 0-6 surficial 6-44 broken trap rock to solid trap 44-205 mixture of various conglomerate rock 189 NJGS 0-35 surficial 35-36 soft red and green sandstone Numbers of the form 23-xxxx or 26-xxxx are well permit numbers issued by the N.J. Department of Environmental Protection, Bureau of Water Allocation. The notation "BWA

128 23-2099 0-40 surficial

129 23-8004 0-5 surficial

40-85 red rock

5-36 red rock

36-205 red sandstone

Numbers of the form 23-xxxx or 26-xxxx are well permit numbers issued by the N.J. Department of Environmental Protection, Bureau of Water Allocation. The notation "BWA files" followed by a number of the form 23-xx-xxx indicates NJ Atlas Sheet grid locations of logs in the Bureau of Water Allocation files that do not have permit numbers. Notations of the form N 23-44-213 are NJ Atlas Sheet grid locations of entries in the permanent note collection of the NJ Geological

Depth in feet below land surface.

All descriptions are reproduced as they appear in the original source, except for minor format, punctuation, and spelling changes. All surficial units have been abbreviated into a single unit. Details on surficial units can be found in Stanford (2002). Map units are inferred from the known extent of materials at the surface and from known depositional settings, in addition to driller's descriptions.

Well table modified from Stanford (2002)