

18. Log of test hole 18 in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 34 S., R. 31 W., drilled by the State and Federal Geological Surveys, 1944. Surface altitude, 2,684 feet. (Authority, samples studied by Oscar S. Fent and Thad G. McLaughlin.)

	Thickness, feet	Depth, feet
Sand and silt; gray-brown	2	2
Laverne formation		
Clay, blocky, gray-green	2	4
Sand and gravel; coarse to fine; in part cemented	5	9
Clay, yellow-buff	4	13
Sand, fine, to gravel, medium; in part cemented	4	17
Clay, yellow-buff and light blue-gray, containing a little caliche	13	30
Gravel, fine, and sand; containing blue-gray clay	6	36
Clay, light blue-gray, containing silt in upper part, sand in the middle, and caliche at base	8	44
Silt, micaceous, soft, brown	3	47
Clay, compact, blue-gray	3	50
Silt, brownish-gray, containing fine to coarse sand	3	53
Clay, green-gray, blue-gray, and yellow-buff, contain- ing sand in upper part	26	79
Silt, clayey, yellow-gray, containing sand and gravel	8	87
Gravel, fine to medium, and sand	4	91
Sand, coarse to fine, and gravel, medium to fine; con- taining yellow silt in upper part	10	101
Gravel, coarse to fine, and sand	18	119
Silt, yellow-brown, containing fine to medium sand	2	121

Gravel, medium to fine, and sand	17	177
Clay, light-gray	3	180
Silt, micaceous, yellow	2	182
Clay, yellow-buff	5	187
Gravel, medium to fine, and sand; containing yellow-gray silt	3	195
Silt, buff, containing fine to medium sand	2	197
Gravel, medium to fine, and sand	3	200
Silt, micaceous, yellow-gray to yellow	6	206
Clay, blue-gray	14	220
Clay, silty, light blue-gray and yellow-gray; containing fine to medium sand	5	225
Gravel, fine, and sand	6	231
Silt, buff, containing fine to coarse sand	3	234
Gravel, fine, and sand	2	236
Silt, buff, containing fine to coarse sand	1	237
Gravel, fine, and sand	8	245
Silt, buff, containing fine to coarse sand	1	246
Gravel, fine, and sand; containing yellow-gray and buff silt in lower part	24	270
Caliche, hard, white and pink, containing fine to medium sand	3	273
Silt, yellow-gray, containing fine to coarse sand	2	275
Gravel, fine to medium, and sand	15	290
Gravel, medium to fine, and sand; containing a few thin beds of light-gray, yellow-gray, and pink-buff silt	100	390

Sand, coarse to fine, and gravel, medium to fine; containing pink-buff silt in lower part	30	420
Gravel, medium to fine, and sand	12	432
Silt, white to light-brown and gray-green; containing fine to coarse sand	32	464
Permian redbeds		
Shale, brick-red and white	16	480

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