

32. Log of test hole 22 at the SE corner sec. 36, T. 34 S., R. 35 W., Stevens county, drilled by the State and Federal Geological Surveys, 1943. Surface altitude, 2,960 feet. (Authority, samples studied by Oscar S. Fent and Thad G. McLaughlin.)

	Thickness, feet	Depth, feet
Dune sand		
Sand, medium to fine, containing silt, soft, gray to gray-black	5	5
Sand, medium to fine, red	9	14
Undifferentiated Pliocene and Pleistocene deposits		
Silt, soft, buff, containing sand, medium to fine	4	18
Silt, clayey, green, containing sand, medium to fine	5	23
Silt, soft, buff to white, containing sand, medium to fine, and caliche	7	30
Sand, medium to fine, and silt, soft, buff	4	34
Silt, soft, light-gray, containing sand, medium to fine	4	38
Sand, coarse to fine	22	60
Silt, soft, buff to gray-white, containing sand, medium to fine, and caliche	10	70
Silt, compact, light yellow-tan, containing sand, medium to fine, and caliche	20	90
Sand, coarse to fine, containing silt, soft, buff and white	14	104
Silt, clayey, buff, containing sand, coarse to fine, and caliche	2	106
Gravel and sand, coarse to fine	29	135
Silt, soft, buff, containing sand, medium to fine, and		

a little gravel	10.5	145.5
Silt, compact, light-tan, containing sand, medium to fine, and caliche	14.8	180
Silt, soft, white and buff, containing sand, coarse to fine, and caliche	30	190
Silt, clayey, buff and light-tan, containing sand, coarse to fine, and caliche	15	206
Silt, soft, gray and buff, containing fine to coarse sand, fine gravel, and caliche	15.5	220.5
Gravel, fine, to sand, medium	2.5	223
Silt, soft, light-brown, containing sand, medium to fine, and caliche	6	229
Sand, fine, to gravel, fine, containing caliche	25	252
Silt, soft, tan, containing sand, medium to fine, and caliche	26	280
Sand, coarse to fine	20	300
Silt, soft, tan, containing sand, fine, and caliche	4	304
Silt, soft, light greenish-gray and brown, and sand, very fine	6	310
Silt, soft, white to greenish-gray and light gray-buff, containing sand, coarse to fine, and a little caliche	50	360
Silt, clayey, white to yellow and brown, containing dense blue-white caliche	20	380
Silt, very soft, gray-white and yellow-brown, and sand, fine; containing sandstone, hard, white to yellow-brown, and concretions of hard brown siltstone	50	430

Silt, very soft, gray-white and yellow-brown, containing concretions of silstone, sandy, hard, brown	38	488
Gravel, fine, to sand, medium	2	470
Silt, very soft, light-buff to yellow-brown and gray-white, containing sand, coarse to very fine	100	570
Silt, soft, gray-buff to blue-gray, and sand, medium to fine, containing concretions of ironstone	20	550
Silt, soft, light-gray and yellow-brown, containing sand, medium to fine	10	600
Silt, very soft, gray-buff and yellow-brown, containing coarse to fine sand and fine gravel	20	620
Silt, soft, light gray-buff, containing sand, medium to fine	20	630
Gravel, fine, to sand, medium	9	688
Permian redbeds		
Silt, blocky, light orange-red	2	690
Silt, clayey, light orange-red	30	720

293.0
688

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