

June 24, 1977

Logs of test holes for bridge on south line SW 34 34 Sec. 22, T.20S., R.1 E.,
 Anderson County, Kansas. Project No. 18. Depths in feet below land surface.

No. 1, 5 ft. right Sta. 74+35. Top hole elev. 1509.94

Alluvium

0	3	Clay and silt, dark gray
4	8.5	Sand, medium to fine
8.5	13	Clay, soft, sandy, gray-white and light brown
13	18	Sand, fine to coarse, little gravel, fine to medium

Anderson formations

18	22	Clay, compact, light brown and light gray
22	39	Sand, fine to coarse, little gravel, fine to medium, silty
39	46	Gravel, medium to fine and sand

Missosian shale

46	47.5	Shale, alternately firm and broken, gray-green (6 tons/sq ft.)
47.5	49	Shale, soft, green, white and light brown, weathered, soft (4 tons/sq ft.)
49	52	Shale, firm, dark gray and gray-green (3 tons/sq ft.)
52	57	Shale, red-brown and gray-green, contains harder calcite seams (6 tons/sq ft.)

No. 2, 5 ft. right Sta. 75+35 Top hole elev. 1510.04

Alluvium

0	5	Clay, sandy, dark gray
5	7	Clay, soft, sandy, light gray
7	10	Sand, medium to fine
10	14	Clay, soft, light greenish-gray and gray-white
14	18	Sand, fine to coarse

Anderson formations

18	23.5	Clay, compact, yellow-brown and gray-white, firm. Firmly cemented
23.5	46.5	Sand, fine to coarse, some gravel, fine to medium

Missosian shale

46.5	49	Shale, alternately firm and broken, gray-green (5 tons/sq ft.)
49	52	Shale, firm, dark gray and gray-green (8 tons/sq ft.)
52	54	Shale, red-brown (6 tons/sq ft.)