

June 24, 1977

Logs of test holes for bridge on north line N. 22 W. Sec. 10, T. 21 S., R. 24 W.,
McPherson County, Kansas. Project No. 17. Depths in feet below land surface.

No. 1, 5 ft. left Sta. 9+60. Top hole Elev. 1492.46

Alluvium and McPherson formations:

0	8	Clay, compact, light brown and gray; contains nodular caliche
8	9	Gravel, fine to medium and sand
9	17	Clay, compact, light blue-gray and gray
17	23	Sand, fine to coarse and gravel, fine to medium
23	26	Clay, firm, sandy, light brown and greenish-gray
26	30	Sand, fine to coarse
30	31	Clay, sandy, light brown
31	34	Sand, fine to coarse
34	35	Clay, sandy, light brown
35	46	Gravel, fine to medium and sand
46	47	Clay, gray
47	59.5	Gravel, fine to medium and sand

Missouri shale:

59.5	64	Shale, red-brown and gray-green (6 tons/sq ft)
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No. 2, 5 ft. left Sta. 10+70. Elev. top of hole, 1490.76

Alluvium and McPherson formations:

0	2	Clay, dark gray
2	4	Silt, soft, sandy, light gray
4	8	Sand, fine to coarse, little gravel, fine
8	11	Clay, compact, light blue-gray
11	14	Sand, fine to coarse
14	15	Silt, soft, dark gray
15	21	Clay, firm, sandy, light brown and gray, some caliche
21	22	"Mortar", firm. (Clay, cemented by calcite)
22	26	Clay, firm, sandy, light brown, some caliche
26	32	Sand, fine to coarse, silty
32	33	Clay, compact, yellow
33	59.5	Gravel, fine to medium and sand

59.5	61	"Mortar", hard. (Clay, green, cemented by calcite)
61	51	Gravel, fine to medium and sand
51	52	Mortar, soft, white
52	54	Gravel, fine to medium and sand

Missouri shale:

54	58	Shale, firm, red-brown and gray-green (6 tons/sq ft)
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