

Table 3. Hydraulic Conductivity Data from the Kiowa #1 core

Permeability Measurements in cm/s

Sample #	Depth	Lithology	Aquifer	Run 1	Run 2	Run 3	AVERAGE
1A	91.5-92.5	MSS	Dawson	7.59E-05	7.53E-05	7.45E-05	7.52E-05
2A	100-100.75	SMS	Dawson	1.35E-04	1.35E-04	1.35E-04	1.35E-04
3A	122.3-123.1	SS	Dawson	4.31E-05	3.90E-05	3.58E-05	3.93E-05
4A	134.2-134.9	MSS	Dawson	4.40E-04	4.47E-04	4.39E-04	4.42E-04
5A	150.9-152	MSS	Dawson	4.16E-04	4.36E-04	4.18E-04	4.23E-04
6A	175.5-176.5	SS	Dawson	5.03E-05	4.88E-05	5.41E-05	5.10E-05
7A	180.5-181.3	ZMS	Dawson	2.71E-04	no data	no data	2.71E-04
8A	200.3-201.1	MSS	Dawson	1.44E-05	1.54E-05	1.42E-05	1.46E-05
9A	243.3-244.1	GSS	Dawson	2.27E-04	2.20E-04	2.27E-04	2.24E-04
10A	286.1-286.8	MSS	Dawson	5.46E-07	6.23E-07	5.64E-07	5.78E-07
11A	339.1-340.0	SMS	Dawson	7.71E-08	9.44E-08	8.45E-08	8.53E-08
12A	367.8-368.6	MSS	Denver	1.98E-05	1.96E-05	no data	1.97E-05
13A	428.5-429.4	ZMS	Denver	3.97E-07	3.83E-07	3.75E-07	3.90E-07
14A	387.2-388.2	SMS	Denver	1.01E-04	9.78E-05	9.53E-05	9.80E-05
15A	524-524.7	MSS	Denver	5.74E-04	5.74E-04	5.74E-04	5.74E-04
16A	565.1-565.9	SS	Denver	1.09E-04	1.09E-04	1.09E-04	1.09E-04
17A	600-600.7	CbMS	Denver	1.73E-06	1.63E-06	1.78E-06	1.71E-06
18A	619-620	MSS	Denver	1.19E-05	1.07E-05	1.10E-05	1.12E-05
19A	697.7-698.5	SS	Denver	3.95E-05	3.87E-05	3.87E-05	3.90E-05
20A	772.8-773.8	CS	Denver	no data	no data	no data	no data
21A	851.7-852.7	SS	Denver	5.39E-06	3.24E-06	2.56E-06	3.73E-06
22A	911.3-912.1	ZS	Denver	no data	no data	no data	no data
23A	942.4-943.4	MSS	Denver	2.18E-04	2.20E-04	2.17E-04	2.18E-04
24A	976.3-977.5	SS	Denver	1.27E-04	1.28E-04	1.32E-04	1.29E-04
25A	1061-1062	SS	Denver	3.19E-03	3.17E-03	3.21E-03	3.19E-03
26A	1122.5-1123.5	CS	Arapahoe	no data	no data	no data	no data
27A	1177-1178.2	SS	Arapahoe	3.52E-05	3.38E-05	3.12E-05	3.34E-05
28A	1245.6-1246.5	MSS	Arapahoe	1.94E-06	1.66E-06	1.22E-06	1.61E-06
29A	1285.5-1287.2	SS	Arapahoe	1.51E-05	no data	no data	1.51E-05
30A	1349.5-1350.5	ZS	Arapahoe	1.25E-05	1.30E-05	1.19E-05	1.25E-05
31A	1297.7-1298.2	SMS	Arapahoe	1.49E-05	1.45E-05	1.43E-05	1.46E-05
32A	no data	SS	Arapahoe	4.36E-04	4.39E-04	4.36E-04	4.37E-04
33A	1458-1459	SS	Arapahoe	1.78E-06	1.56E-06	1.15E-06	1.50E-06
34A	1492.5-1493.7	SS	Arapahoe	2.43E-04	no data	no data	2.43E-04
35A	1528-1529.2	SS	Arapahoe	1.00E-06	9.37E-07	7.28E-07	8.88E-07
36A	1562.1-1563	GMS	Arapahoe	3.19E-06	2.27E-06	2.04E-06	2.50E-06
37A	1623.6-1624.6	SS	Arapahoe	1.35E-07	1.68E-07	1.45E-07	1.49E-07
38A	1634.9-1635.8	MCg	Arapahoe	3.24E-07	3.22E-07	2.87E-07	3.11E-07
39A	1680.3-1681	ZMS	Arapahoe	no data	no data	no data	no data
40A	1749-1750	SMS	Arapahoe	3.46E-05	3.28E-05	3.53E-05	3.42E-05
41A	1846.3-1846.6	ZMS	L-Fox Hills	1.67E-05	1.62E-05	1.66E-05	1.65E-05
42A	1883-1883.8	SS	L-Fox Hills	8.48E-04	8.44E-04	8.48E-04	8.47E-04
43A	1926.8-1928	SS	L-Fox Hills	2.74E-05	2.65E-05	2.56E-05	2.65E-05
44A	1962.8-1963.6	SS	L-Fox Hills	9.99E-05	9.95E-05	9.95E-05	9.96E-05
45A	2012-2013.2	MSS	L-Fox Hills	1.70E-05	1.78E-05	1.76E-05	1.75E-05
46A	2046.4-2047.3	SMS	L-Fox Hills	7.35E-06	6.49E-06	6.19E-06	6.68E-06
47A	2080.1-2080.9	SS	L-Fox Hills	2.18E-04	2.21E-04	2.19E-04	2.19E-04
48A	2131.1-2132	SS	L-Fox Hills	6.34E-04	6.31E-04	6.44E-04	6.36E-04
49A	2183.9-2184.7	no data	L-Fox Hills	4.23E-07	2.80E-07	3.26E-07	3.43E-07
50A	2193.7-2194.7	no data	L-Fox Hills	2.08E-06	2.80E-06	2.66E-06	2.51E-06
51A	2220-2220.9	no data	L-Fox Hills	4.86E-05	4.75E-05	4.91E-05	4.84E-05
52A	2242-2242.8	MSS	L-Fox Hills	2.69E-07	1.54E-07	1.71E-07	1.98E-07
53A	1090	fine	Denver	no data	no data	no data	no data
54A	1590	fine	Arapahoe	4.14E-06	4.26E-06	3.20E-06	3.87E-06
55A	480	fine	Denver	4.11E-05	4.14E-05	3.18E-05	3.81E-05