

BENSON

PERCOLATION TEST

Location SW 1/4 of S60 1/2 Sec 1 T29N R21W

Test hole number #1

Depth to bottom of hole 36 inches. Diameter of hole 6 inches.

Depth, inches 36 Soil texture

0-24" Black sandy loam

24"-36" white sand

Percolation test by Mike S. Miller

Date of test initial fill 9:50, 2/4/78; Test 2/5/78

Time	Time Interval, minutes	Measure-ment, inches	Drop in water level, inches	Percola-tion rate, minutes per inch	Remarks
9:52		43 3/4			
10:02	10	45 3/8	1 3/8	6.1	Fill 6" H ₂ O
10:03		43 7/8			Refill
10:13	10	45 1/8	1 1/2	6.6	
10:14		43 9/16			Refill
10:24	10	45	1 7/16	6.9	
10:25		43 9/16			Refill
10:35	10	44 15/16	1 7/16	6.9	
10:36		43 1/16			Refill
10:46	10	44 13/16	1 6/16	7.2	
10:47		43 7/8			Refill
10:57	10	45 1/2	1 1/4	8	
10:58		43 3/4			Refill
11:08	10	44 15/16	1 3/16	8.4	

Average 7.15 minutes per inch.

Percolation rate = 8.4

PERCOLATION TEST

Location

Test hole number #2

Depth to bottom of hole 40 inches. Diameter of hole 6 inches.

Depth, inches 40 Soil texture

0-32" Black sandy loam

32-40" white sand

Percolation test by Mike S. Miller

Date of test initial fill 9:25, 2/4/78; Test 2/5/78

Time	Time Interval, minutes	Measure-ment, inches	Drop in water level, inches	Percola-tion rate, minutes per inch	Remarks
9:54		44 3/16			
10:04	10	47 7/16	3 1/4	3.0	Fill 6" H ₂ O
10:05		43 5/8			Refill
10:15	10	46 1/2	2 7/8	3.4	
10:16		44 3/16			Refill
10:26	10	47	2 13/16	3.5	
10:27		44 7/16			Refill
10:37	10	47 3/16	2 3/4	3.6	
10:38		44 7/16			Refill
10:48	10	47	2 9/16	3.9	
10:49		44 13/16			Refill
10:59	10	46 13/16	2	5.0	
11:00		44 1/2			Refill
11:10	10	46 1/2	2	5.0	

Average 3.91 minutes per inch.

Percolation rate = 5