

PHS PERCOLATION TEST

Project Spartan - Coors Road
 Location Calabacillas Arroyo @ Eagle Ranch Rd.
 Hole Number EL-5
 Date 9-24-97
 Observers CK. PB

Hole Depth from Ground Level 13.0 ft.
 Hole Depth to Gravel 12.8 ft.
 Datum (Depth of Water Above Gravel) 0.5 ft.

TEST DATA

Hole Pressurized 13:03 - 15:15

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Water Infiltration		Infiltration Rate (min/in)
			(ft)	(in)	
15:15:00	0.00				
		1.5	0.425	5.10	0.29
15:16:30	0.425				
15:17:30	0.00				
		2.0	0.59	7.08	0.29
15:19:30	0.59				
15:20:00	0.00				
		1.5	0.42	5.04	0.30
15:21:30	0.42				
15:23:25	0.00				
		1.5	0.43	5.16	0.29
15:24:55	0.43				
15:26:17	0.00				
		1.5	0.38	4.56	0.33
15:27:47	0.38				
15:28:47	0.00				
		1.5	0.33	3.96	0.38
15:30:17	0.33				
15:31:12	0.00				
		2.0	0.47	5.64	0.35
15:33:12	0.47				
15:34:36	0.00				
		2.0	0.51	6.12	0.33
15:36:36	0.51				
15:37:52	0.00				
		2.0	0.46	5.52	0.36
15:39:52	0.46				
15:40:47	0.00				
		2.0	0.46	5.52	0.36
15:42:47	0.46				
15:43:41	0.0				
		2.0	0.52	6.24	0.32
15:45:41	0.52				

0.00 interval

USBR OPEN-END PERMEABILITY TEST (E-18)

1 of 2

Project Spartan - Coors Road
 Location VWR
 Hole Number VWR-1
 Date 9-29-97
 Observers PM - GR - CS - JH

Hole Depth from Ground Level Map on Back 8.5 ft.
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.07" = .172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
1:30:00	.00					
31:00	.04					
32:35	.00					
33:35	.07					
34:25	.00					
37:25	.07					
39:30	.00					
40:30	.15					
41:33	.325					
44:54	.00					
46:54	.35					
48:33	.00					
51:33	.31					
52:28	.00					
55:28	.53					
56:59	.00					
1:00:59	.43					
2:02:54	.00					
2:07:54	.48					
09:13	.00					
2:13:13	.39					
2:14:14	.00					
2:18:14	.35					
2:19:09	.00					
2:23:09	.345					
2:24:07	.00					
2:28:07	.32					
29:23	.00					
2:33:23	.32					
2:34:36	.00					
2:38:36	.29					
2:39:32	.00					
2:43:32	.29					

USBR OPEN-END PERMEABILITY TEST (E-18)

Project Spartan - Pond #1
 Location VWR
 Hole Number VWR-2
 Date 9-29-97
 Observers PM, GC, CS, JH

Hole Depth from Ground Level 8.5 ft.
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.07" - 0.172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
2:31:45	.00					
2:32:45	1.165					
2:33:13	.00					
2:34:13	1.26					
2:35:27	.00					
2:35:57	.56					
2:37:16	.00					
2:37:46	.66					
2:38:40	.00					
2:39:10	.68					
2:40:36	.00					
2:41:06	.63					
2:41:07	.00					
2:43:37	.63					
2:44:48	.00					
2:45:18	.66					
2:46:54	.00					
2:47:39	.90					
2:48:10	.00					
2:48:40	.42					
2:50:45	.00					
2:51:45	.78					
2:53:01	.00					
2:54:01	.83					
2:54:52	.00					
2:55:52	.78					
2:56:31	.00					
2:57:31	.80					
2:58:28	.00					
2:59:28	.77					
3:00:31	.00					
3:01:31	.765					

USBR OPEN-END PERMEABILITY TEST (E-18)

Project Spartan - Cross Rd.
 Location VWR
 Hole Number VWR-2
 Date 9/29/97
 Observers PM - GR - CS - JH

2 of 2

Hole Depth from Ground Level 8.5 ft.
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.07 = 0.172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
3:03:42	.00					
3:04:42	.77					
3:05:22	.00					
3:06:23	.75					
3:07:11	.00					
3:08:11	.745					
3:09:07	.00					
3:10:07	.77					
3:11:15	.00					
3:12:15	.68					
3:13:07	.00					
3:14:07	.61					
3:15:00	.00					
3:16:00	.60					
3:17:34	.00					
3:18:34	.60					
3:19:03	.00					
3:20:03	.52					
3:20:38	.00					
3:23:38	1.38					
3:26:44	.00					
3:27:44	.48					
3:29:16	.00					
3:30:16	.50					
3:31:00	.00					
3:32:00	.47					
3:33:00	.00					
3:34:00	.45					
3:35:02	.00					
3:36:02	.45	1.0	.45	0.0782	4.78	2422

USBR OPEN-END PERMEABILITY TEST (E-18)

Project Spartan Coors Rd
 Location VLR
 Hole Number VLR-3
 Date 9/29/97
 Observers PM - GR - CS

Hole Depth from Ground Level 1 of 4 3.5 ft.
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.07" = .172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
3:32:07	00					
3:35:10	00					
3:35:40	1.32					
3:39:05	00					
3:39:35	1.35					
3:39:50	.73					
3:40:17	00					
40:32	.74					
41:03	00					
41:18	.78					
41:50	.83					
43:10	00					
43:25	.75					
44:05	00					
44:20	.67					
45:14	.10					
45:36	.9					
46:24	1.00					
46:39	.66					
47:23	00					
47:38	.172					
50:16	00					
50:31	.66					
50:53	00					
50:08	.87					
50:54	00					
51:11	.75					
51:53	00					
52:13	1.00					
52:33	00					
52:45	.62					
52:20	.10					
52:35	.61					

USBR OPEN-END PERMEABILITY TEST (E-18)

Project Spartan - Coors Road
 Location VWR
 Hole Number VWR-3
 Date 9/29/97
 Observers PHI-GR-CS

Hole Depth from Ground Level 284 8.5 ft.
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.07" = 0.172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
3:53:12	00					
53:27	.63					
54:57	00					
54:12	.60					
54:48						
55:02	.61					
55:38	00					
55:53	.48					
56:23	00					
56:38	.55					
57:04	00					
57:19	.56					
59:04	00					
59:19	.56					
48	00					
03	.56					
4:00:35	00					
50	.53					
01:16	00					
31	.49					
02:02	00					
17	.48					
2:41	00					
56	.50					
3:23	00					
38	.54					
4:08	00					
23	.44					
4:51	00					
5:06	.44					
33	00					
48	.47					

PHS PERCOLATION TEST

Project Spanton - Coors Rd
 Location VWR
 Hole Number VWR-3
 Date 9/29/97
 Observers GR-PM-CS

Hole Depth from Ground Level 3 of 4 8.5 ft.
 Hole Depth to Gravel 5.0 ft.
 Datum (Depth of Water Above Gravel) 2.07" = 0.172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Water Infiltration		Infiltration Rate (min/in)
			(ft)	(in)	
4:06:25	00				
40	.47				
4:07:17	00				
32	.38				
4:08:00	00				
:30	.83				
9:13	00				
:43	.79				
10:14	00				
:44	.67				
11:17	00				
47	.72				
12:18	00				
48	.71				
4:13:12	00				
42	.69				
14:53	00				
15:23	.54				
15:46	.00				
16:11	.49				
16:41	00				
17:11	.59				
17:35	00				
18:05	.56				
18:38	00				
19:08	.54				
19:45	00				
20:15	.55				
20:52	00				
21:22	.57				
21:57	00				
22:21	.56				

USBR OPEN-END PERMEABILITY TEST (E-18)

Project Sixton - Cook Rd
 Location Calibacillos Arroyo @ Oxbow
 Hole Number OB-1
 Date 9-26-97
 Observers G.R. Pat Sealed Csg. to .4'

Hole Depth from Ground Level 13.4 ft. 1 of 2
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.07" = 0.172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
9:52:05	0.00					
9:53:05	0.69					
9:54:11	0.00					
9:56:11	1.53					
9:57:50	0.00					
9:58:50	0.87					
9:59:39	0.00					
10:00:39	1.17					
10:03:36	0.00					
10:04:36	0.67					
10:06:11	0.00					
10:07:11	0.48					
10:08:38	0.00					
10:09:38	0.52					
10:11:18	0.00					
10:12:18	0.52					
10:13:34	0.00					
10:14:34	0.43					
10:16:01	0.00					
10:17:01	0.44					
10:18:21	0.00					
10:19:21	0.75					
10:20:08	0.00					
10:21:18	0.75					
10:22:29	0.00					
10:23:29	0.81					
10:27:31	0.00					
10:27:32	0.76					
10:28:31	0.22					
10:30:01	0.76					
10:31:57	0.55					
10:33:57	0.81					

USBR OPEN-END PERMEABILITY TEST (E-18)

Project Spartan - Lower Board
 Location Calhoun Avenue @ Oxford
 Hole Number OB-2
 Date 9/26/97
 Observers GR-PM Sealed casing 6"
 Hole Depth from Ground Level 13.5 ft. 1st 2
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.01" = 0.172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
10:09:06	0.00					
10:10:06	0.89					
10:10:55	0.00					
10:11:56	0.66					
10:12:43	0.00					
10:13:42	0.46					
10:14:30	0.00					
10:16:30	0.74					
10:17:20	0.00					
10:19:20	0.69					
10:21:14	0.00					
10:23:14	0.56					
10:24:30	0.00					
10:26:32	0.52					
10:27:52	0.00					
10:29:52	0.50					
10:30:50	0.00					
10:32:50	0.49					
10:33:00	0.00					
10:35:01	0.44					
10:35:45	0.00					
10:37:14	0.42					
10:38:52	0.00					
10:40:59	0.39					
10:42:24	0.00					
10:44:14	0.34					
10:45:23	0.00					
10:47:22	0.33					
10:47:57	0.00					
10:49:57	0.36					
10:51:57	0.00					
10:53:57	0.34					

USBR OPEN-END PERMEABILITY TEST (E-18)

Project Spartan - Coast Road
 Location Celebration Atchafalaya @ Oubou
 Hole Number 013-3
 Date 9/26/97
 Observers GR-PH

Hole Depth from Ground Level 13.5 ft. 1 of 2
 Datum (Depth of Water Above T.D.) 5.0 ft.
 Casing Internal Diameter 2.07" = 0.172 ft.

TEST DATA

Time (h:m:s)	Water Level (ft)	Time Interval (min)	Depth Interval (ft)	Flow (gpm)	Head (ft)	Permeability (ft/yr)
12:42:10	0.00					
12:43:10	0.66					
12:44:07	0.00					
12:45:07	0.55					
12:46:04	0.00					
12:47:04	0.46					
12:48:20	0.00					
12:49:20	0.41					
12:50:23	0.00					
12:52:23	0.58					
12:54:16	0.00					
12:56:16	0.64					
12:57:37	0.00					
1:00:37	0.53					
1:01:30	0.00					
1:05:30	0.0585					
1:06:37	0.00					
1:11:37	0.63					
1:12:36	0.00					
1:17:36	0.545					
1:19:13	0.00					
1:24:13	0.45					
1:26:42	0.00					
1:31:42	0.37					
1:33:00	0.00					
1:38:00	0.33					
1:39:47	0.00					
1:43:47	0.32					
1:45:16	0.00					
1:50:16	0.22					