

SFWMD - SLUG TEST FROM RECOVERY DATA

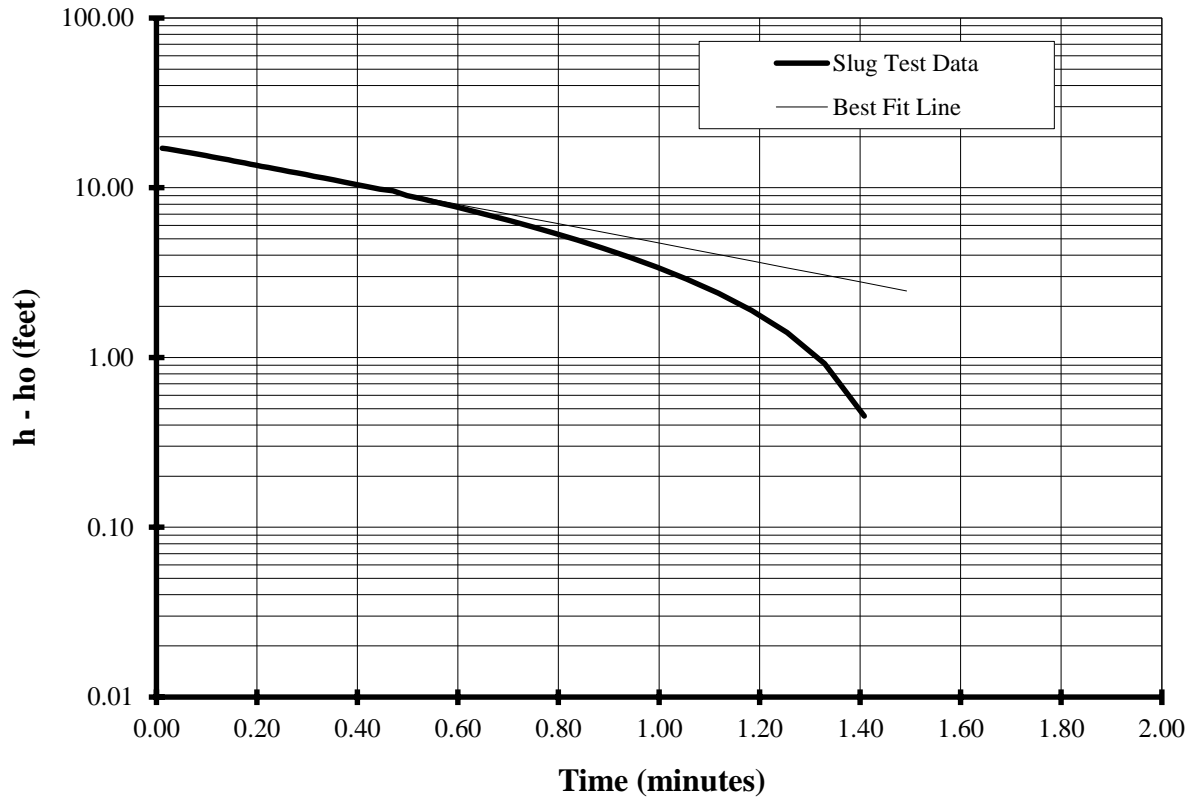
Project: SLE/IRL **Date of Test:** 3/27/02
Client: SFWMD **Well Number:** SLPDG2

Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)
Time (min)	Head (feet)		Time (min)	Head (feet)		Time (min)	Head (feet)		Time (min)	Head (feet)	
0.000	17.31	1.00	1.055	2.89	0.17						
0.011	17.10	0.99	1.118	2.39	0.14						
0.022	16.94	0.98	1.184	1.89	0.11						
0.033	16.74	0.97	1.255	1.40	0.08						
0.044	16.53	0.96	1.329	0.92	0.05						
0.055	16.32	0.94	1.408	0.45	0.03						
0.066	16.10	0.93	1.492	0.00	0.00						
0.077	15.88	0.92									
0.088	15.66	0.90									
0.099	15.44	0.89									
0.110	15.22	0.88									
0.121	15.01	0.87									
0.132	14.80	0.85									
0.143	14.58	0.84									
0.154	14.38	0.83									
0.165	14.17	0.82									
0.176	13.97	0.81									
0.187	13.76	0.80									
0.198	13.55	0.78									
0.210	13.36	0.77									
0.222	13.15	0.76									
0.235	12.93	0.75									
0.249	12.70	0.73									
0.264	12.46	0.72									
0.280	12.22	0.71									
0.297	11.95	0.69									
0.314	11.68	0.67									
0.333	11.40	0.66									
0.353	11.10	0.64									
0.374	10.79	0.62									
0.396	10.47	0.60									
0.419	10.13	0.59									
0.444	9.78	0.57									
0.471	9.60	0.55									
0.499	9.00	0.52									
0.528	8.59	0.50									
0.560	8.17	0.47									
0.593	7.74	0.45									
0.628	7.29	0.42									
0.665	6.84	0.39									
0.705	6.37	0.37									
0.747	5.89	0.34									
0.791	5.40	0.31									
0.838	4.91	0.28									
0.888	4.41	0.25									
0.940	3.91	0.23									
0.996	3.40	0.20									

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SLUG TEST



WELL CONSTRUCTION DATA

R casing = 0.08 feet
 R gravel pack = 0.25 feet
 Porosity of the aquifer = 0.20
 Porosity of gravel pack = 0.30
 Effective radius of casing = 0.11 feet (Rc)
 Casing radius for analysis = 0.11 feet (Rw)
 Radius of well for analysis = 0.25 feet
 Casing Stickup = -0.59 feet als
 Depth of water = 3.45 feet btoc
 Depth of well = 59.48 feet btoc
 Depth of aquifer = 59.48 feet bls
 Depth to top of filter pack = 55.48 feet bls
 Length of screen = 2.00 feet
 Length of gravel pack = 4.00 feet
 L (input) = 4.00 feet
 Case = 2

**SLUG TEST DATA/RESULTS
 (Bouwer Rice Method)**

L/Rw = 16
 A = 2.02
 B = 0.28
 C = 1.47
 H = 56.03 feet
 ln[(D-H)/Rw] = 2.62
 Ln (Ri/Rw) = 3.39
 R influence = 7.41 feet (Ri)
Line Fit Range and Parameters
 t minimum = >.10 minutes
 t maximum = <0.20 minutes
 r 2 = 1.000
 Estimated K h = 10 feet/day