

SFWMD - SLUG TEST FROM RECOVERY DATA

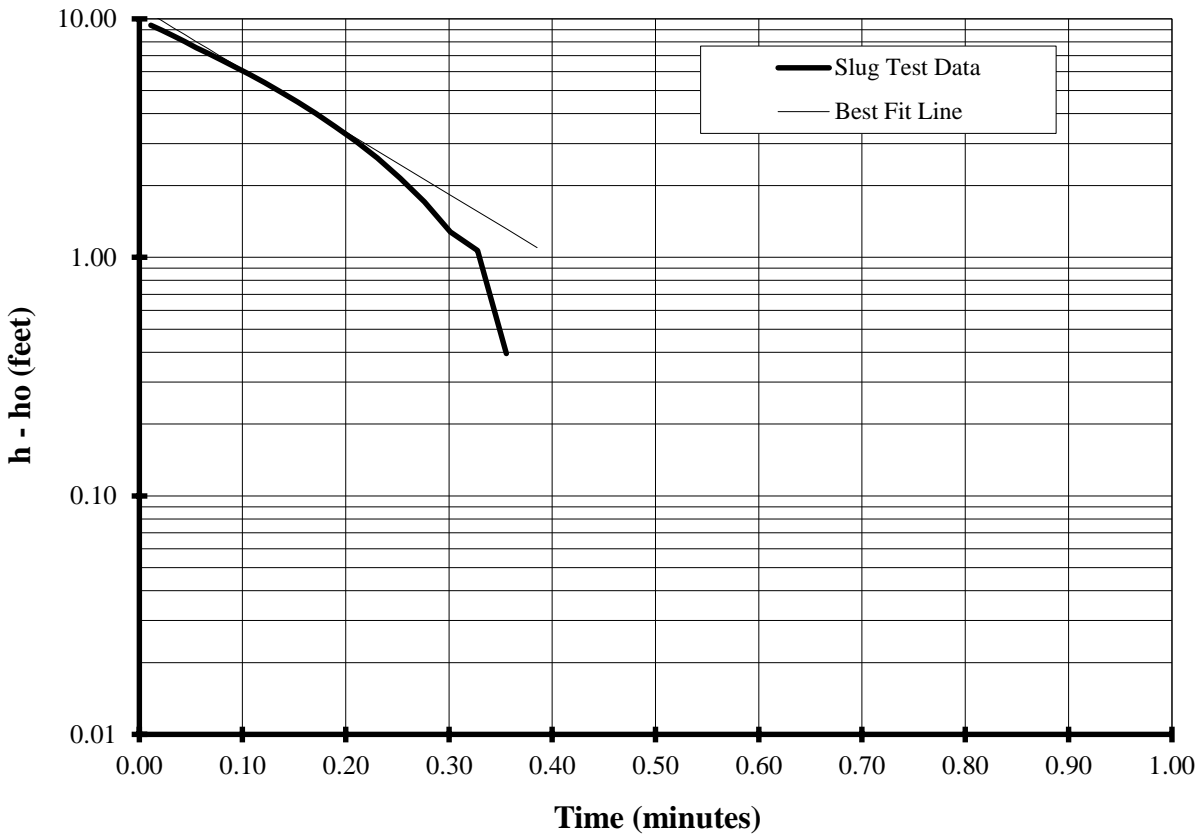
Project: SLE/IRL **Date of Test:** 03/22/02
Client: SFWMD **Well Number:** SLCMG1

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	9.89	1.00									
0.011	9.41	0.95									
0.022	8.93	0.90									
0.033	8.49	0.86									
0.044	8.03	0.81									
0.055	7.57	0.76									
0.067	7.16	0.72									
0.079	6.74	0.68									
0.092	6.30	0.64									
0.106	5.85	0.59									
0.121	5.40	0.55									
0.137	4.94	0.50									
0.154	4.48	0.45									
0.171	4.01	0.40									
0.190	3.53	0.36									
0.210	3.07	0.31									
0.231	2.60	0.26									
0.253	2.15	0.22									
0.276	1.71	0.17									
0.301	1.28	0.13									
0.328	1.07	0.11									
0.356	0.40	0.04									
0.385	0.00	0.00									

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SLUG TEST



WELL CONSTRUCTION DATA

R casing = 0.08 feet
R gravel pack = 0.25 feet
Porosity of the aquifer = 0.30
Porosity of gravel pack = 0.30
Effective radius of casing = 0.08 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 = 3.11 feet btoc
Depth of well = 100.17 feet btoc
Depth of aquifer = 200.00 feet bls
Depth to top of filter pack = 98.17 feet bls
Length of screen = 2.00 feet
Length of gravel pack = 4.00 feet
L (input) = 4.00 feet
Case = 1

SLUG TEST DATA/RESULTS
(Bouwer Rice Method)

L/Rw = 16
A = 2.02
B = 0.28
C = 1.47
H = 97.06 feet
ln[(D-H)/Rw] = 6.00
Ln (Ri/Rw) = 2.41
R influence = 2.79 feet (Ri)
Line Fit Range and Parameters
t minimum = >.10 minutes
t maximum = <0.20 minutes
r 2 = 0.998
Estimated K h = 32 feet/day