Data Set: Z:\GW Data Steward Working Area\Kissimmee River Groundwater Effort\KRR Pool C Slug Test Data\KR
Date: 06/02/16
Time: 12:10:16

PROJECT INFORMATION

Company: SFWMD
Client: SFWMD
Test Date: 1/14/1997
Test Well: KRANNS

AQUIFER DATA

Saturated Thickness: 20.13 ft
Anisotropy Ratio (Kz/Kr): 0.25

SLUG TEST WELL DATA

Test Well: KRANNS

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 2.47 ft
Static Water Column Height: 13.87 ft
Casing Radius: 0.0833 ft
Well Radius: 0.25 ft
Well Skin Radius: 0.25 ft
Screen Length: 4.8 ft
Total Well Penetration Depth: 13.87 ft
Corrected Casing Radius (Bouwer-Rice Method): 0.0833 ft
Gravel Pack Porosity: 0.

No. of Observations: 35

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0333	1.	0.3333	0.03644
0.05	0.8785	0.4167	0.02429
0.0666	0.664	0.5	0.01619
0.0833	0.5263	0.5833	0.01215
0.1	0.4049	0.6667	0.008097
0.1166	0.2915	0.75	0.008097
0.1333	0.2429	0.8333	0.008097
0.15	0.2024	0.9167	0.004049
0.1666	0.1619	1.	0.004049
0.1833	0.1296	1.083	0.004049
0.2	0.1134	1.167	0.004049
0.2166	0.09312	1.25	0.004049
0.2333	0.07692	1.333	0.004049
0.25	0.06478	1.417	0.004049
0.2666	0.06073	1.5	0.
0.2833	0.05263	1.583	0.004049
0.3	0.04858	1.667	0.

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.3166	0.04049		

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 2.271

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	46.11	ft/day
y0	1.626	ft

K = 0.01627 cm/sec
T = K*b = 928.2 ft²/day (9.981 sq. cm/sec)