

Data Set: Z:\Turkey Point FPL Units 6 and 7\Hydrogeology\Slug Test Files\OW-621L_RHT_2_KGS.aqt
 Title: OW-621 L RISING HEAD TEST # 2 5-17-08
 Date: 06/08/16
 Time: 10:02:30

PROJECT INFORMATION

Company: Turkey Point
 Client: BECHTEL
 Project: 6468-07-1950
 Location: Turkey Point
 Test Date: 5-17-08
 Test Well: OW-621 L

AQUIFER DATA

Saturated Thickness: 88.5 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: OW-621 L

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

Initial Displacement: 2.103 ft
 Static Water Column Height: 108.9 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.3 ft
 Well Skin Radius: 0.3 ft
 Screen Length: 15. ft
 Total Well Penetration Depth: 110. ft

No. of Observations: 35

Time (sec)	Observation Data		Time (sec)	Displacement (ft)
	Displacement (ft)	Displacement (ft)		
0.	2.103		109.2	0.004
3.601	0.431		118.8	0.002
7.201	0.075		129.6	-0.001
11.4	0.078		141.	0.006
15.6	0.005		153.	-0.002
19.8	0.008		165.6	-0.002
24.6	-0.014		178.8	-0.005
30.	0.005		193.2	0.
34.8	0.003		208.2	-0.003
40.8	0.001		223.8	0.003
46.8	0.001		240.6	-0.001
52.8	0.002		258.6	-0.001
59.4	-0.003		277.2	-0.001
66.6	0.		297.6	0.003
74.4	0.003		318.6	0.003
82.2	0.003		340.8	0.005

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
90.6	0.001	364.8	0.001
99.6	0.005		

SOLUTION

Slug Test

Aquifer Model: Confined

Solution Method: KGS Model

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
Kr	30.4	ft/day
Ss	5.781E-8	ft ⁻¹
Kz/Kr	1.	

K = 0.01072 cm/sec

T = K*b = 2690.4 ft²/day (28.93 sq. cm/sec)