

PROJECT INFORMATION

Company: MACTEC  
Client: Bechtel  
Project: 6468-07-1950  
Location: Turkey Point COL  
Test Date: 5/15/2008  
Test Well: OW-735 U

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AQUIFER DATA

Saturated Thickness: 26.35 ft  
Anisotropy Ratio (Kz/Kr): 1.

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SLUG TEST WELL DATA

Test Well: OW-735 U

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

Initial Displacement: 10.05 ft  
Static Water Column Height: 26.35 ft  
Casing Radius: 0.083 ft  
Well Radius: 0.25 ft  
Well Skin Radius: 0.25 ft  
Screen Length: 16. ft  
Total Well Penetration Depth: 28. ft

No. of Observations: 42

Observation Data			
<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
0.	10.05	13.21	-0.087
0.25	8.009	14.35	0.043
0.61	5.49	15.55	0.21
0.97	3.172	16.81	0.156
1.39	1.14	18.13	0.011
1.81	-0.043	19.57	0.052
2.23	-0.624	21.07	0.156
2.711	-0.809	22.63	0.098
3.25	-0.653	24.31	0.048
3.73	-0.331	26.11	0.123
4.33	0.203	27.97	0.09
4.93	0.777	30.01	0.075
5.531	0.763	32.11	0.112
6.19	0.47	34.33	0.08
6.91	0.018	36.73	0.095
7.69	-0.241	39.25	0.088
8.47	-0.194	41.89	0.095
9.311	0.075	44.71	0.088
10.21	0.348	47.71	0.091
11.17	0.289	50.89	0.088
12.13	0.059	54.25	0.079

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SOLUTION

Slug Test  
Aquifer Model: Unconfined

VISUAL ESTIMATION RESULTS

Estimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
Kr	70.7	ft/day
Ss	2.291E-10	ft <sup>-1</sup>
Kz/Kr	1.	

K = 0.02494 cm/sec

T = K\*b = 1862.9 ft<sup>2</sup>/day (20.03 sq. cm/sec)