

MEMORANDUM

Date: March 26, 2012
To: Transfer 77781
From: amerritt
Re: review and approval

This transfer was processed in the region. The application has no hydrologic impact so was not advertised. The watermaster has reviewed the application and does not oppose approval. She did comment about not advertising the application even though it qualifies for not advertising. An evaluation of the potential impacts of moving the well was completed. It was decided that notice would be given to parties within 1 mile of the new well. They were notified and signed a statement they had no problem with the new well. It is being approved out of the region as drafted.

Allen's Theis Spreadsheet
3/23/2012

"T" in ft²/day = 76368
"T" in gal/day/ft = 571232.6

Storativity "S" = 0.07 .1 to .25

Q in ft³/d = 144000
gpm = 748.8
cfs = 1.666667
afa = 1206.612
4177 21580
21.72 112.22
0.0483 0.2498
35 180.8

$$u = r^2 S / 4 T t$$

days = r(ft)	r ² (ft ²)	IDWR			IDWR			Brockway		
		u	ln	242	u	loge	242	u	loge	242
0.5	0.25	2.3673E-10	21.58691	3.239146	2.3673E-10	21.58691	3.239146	2.3673E-10	21.58691	3.239146
100	10000	9.4692E-06	10.99028	1.649107	9.4692E-06	10.99028	1.649107	9.4692E-06	10.99028	1.649107
1320	1742400	0.00164991	5.831486	0.875023	0.00164991	5.831486	0.875023	0.00164991	5.831486	0.875023
4000	16000000	0.01515065	3.627605	0.544327	0.01515065	3.627605	0.544327	0.01515065	3.627605	0.544327
6000	36000000	0.03408896	2.835382	0.425453	0.03408896	2.835382	0.425453	0.03408896	2.835382	0.425453

