MEMO TO FILE

From: Vikie Hancock 11/19/02

RE: Recommendation of Claim No: 45-13504

This claim is based upon beneficial use for 120 acres that were irrigated prior to the closing of the Artesian City Critical GW area on January 18, 1962, but not included in the various licenses that were perfected on the place of use between 1953 and 1961.

According to aerial photos, by January 1962 there were 1211 acres being irrigated, and of that, 1091 acres were covered under four partially overlapping licenses: 45-2265 (FE 1953), 45-2391 (FE 1961), 45-2395 (FE 1956), 45-2492 (FE 1960), and permits 45-2665, 45-2666 & 45-2667. The five associated wells were licensed to diversion capacity, therefore this claim does not represent an additional diversion amount, but can be allowed additional volume.

These 120 acres were claimed by the original owner in the SRBA by un-stacking some of the licensed rights to cover the entire irrigated place of use with the licensed priority dates. The current owner, Gordon Luke, and I determined the number of acres allowed under this beneficial use claim by using GIS and 1962 aerial photos of his farm. An additional 297 acres of post 1962 expansion was found to have been irrigated prior to 1987 and these acres are included in expansion claim 45-13475.

Gordon Lake Water Rights

45-2265	1.70 cfs	219 ac/yr	329 AFA
2667	3.60 cfs	208 "	832 "
	5.30	336	1161
45-2391	2.60 cfs	220 ac/yr	880 AFA
2492	2.92	340 "	1360 "
	5.52	340 "	1360
45-2395	1.35 cfs	100 ac/yr	400 AFA
45-2665	2.65 cfs	153 ac/yr	612 AFA
45-2666	3.77 cfs	284 ac/yr	1136 AFA
45-13504	1.48 cfs	120 ac/yr	480 AFA
* 45-13475	3.66 cfs	297 ac/yr	0
Totals	20.07 cfs	1630 ac/yr	5149 AFA

LICENSED TO CAPACITY OF WELLS 18.54 cfs

SOME STACKED ALL LIMITED TO 1508 AC FOUND IRRIGATED

1211 NON-EXPANSION ACRES
1211 X 4 AF = 4844

* Expansion claim in CGWA - no additional flow or volume