

Associated Surface Rights For T72035 By J. Stanton 11-9-05

1. Rights - 45-425D	0.50 cfs	80 ac/yr	4-12-1892	
433	2.72	160 "	4-12-1892	
514A	3.20	160	6-8-1907	480 AFA
516	3.20	160	8-6-1907	480

~~All rights additive - no special limits~~

~~2. Problem - Remove rights from 315 acres being dried up for dairy~~

~~3. Solution - Reduce PPU for all 4 rights by 315 ac in Sec 24 125 21E~~

~~Have applicant abandon all of Rt. 45-516 & all but 5 ac & 0.10 cfs & 15 AFA of Rt. 45-514A - or we can void these rights~~

~~include 12 GW rights as associated rights for conditioning & acreage reduction but no reduction of place or volume, amended ppu of 3920 ac~~

4. Note - There is a 3605 PPU of groundwater rights from 7 wells in other sections, in addition, the 4 surface rights & 2 more GW rights add 630 ac in Sec. 24.

Corrected App. 72035 Granney/Whiteley Math by J.F. Dahlen Nov 05

1. Rights - 45-7235 6.68 cfs 623 ac 2492 AFA

45-7255	6.40 cfs	555 ac/yr	2220 AFA
13549	0.76 cfs	75 "	300 "
	<u>6.40 cfs</u>	<u>630 ac/yr</u>	<u>2520 AFA</u>

2. Problem - Dry up 154 ac of 7235 = $24.72\% \times 6.68 \text{ cfs} = 1.65 \text{ cfs} \approx 616 \text{ AFA}$
(377.3 for dairy)

3. Problem - Dry up 315 ac of 7255/13549 = 50% of ppm

4. Math - 45-7255 $\times 50\% = 3.2 \text{ cfs}$	277.5 ac/yr	1110 AFA	(677.9 for dairy)
13549 $\times \text{"} = 0.38 \text{ cfs}$	37.5 "	150 AFA	(91.6 for dairy)
	<u>3.2 cfs</u>	<u>315 ac/yr</u>	<u>1260 AFA</u>
			769.5 for dairy

5. ~~Concurrent Use~~
38.5
10 ~~46.2~~ ac under pivots

Note. Wants
to leave
W 1/2 of pivot 8
in irrigation after
drying it up

5. Flow - 377.3 AF = $0.5\frac{3}{4} \text{ cfs}$ continuous flow
769.5 AF = $1.0\frac{7}{8} \text{ cfs}$ "
1.60

6. What is actual diversion rate to storage tank? How many tanks? not sure
10" shut from west well carries 3 cfs at same pressure as 6.68 cfs for irrig.

7. Which 1.5 ac in NW/SE S. 24 will continue to be irrigated?
Which 1/2 ac in SE/NE will be dried up?