

[illegible]

IRR AREA

27,000
9,000
36,000'² = 0.8 AC

Domestic

180'

50'

150'

IRR AREA

27,000 sq ft

180'

150'

GRAVITY

400'

X

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

_____ Aerial Photo Attached
(required for irrigation of 10+ acres)

Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	5	5870203380	Sub	1"

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

E. NARRATIVE/REMARKS/COMMENTS

Irrigation system consist of some under ground heads run off well and some portable sprinklers on wells. Div from creek runs only portables.

Have conditions of permit approval been met? ☒ yes ☐ no

Additional Computation Sheets Attached

5 gal bucket on well (Pressure tank Blad)

5 gal bucket on Ark Div.

$$5 \text{ gal in } 25 \text{ sec} = \frac{129 \text{ ppm} \times 1.3368}{60} = .02 \text{ cfs}$$

$$5 \text{ gal in } 60 \text{ sec} = \frac{59 \text{ mm} \times 1.33681}{60} = -0.1 \text{ cfs}$$

1. Volume Calculations for Irrigation:

$$V_{LR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.8 \times 3 = 2.4$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.03 \times 213 \times 1.9835 = 126$$

$$V = \text{Smaller of } V_{L,R} \text{ and } V_{D,R} = 2.4$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	04-01	10-31	1.03	2.4
Domestic	01-01	12-31	1.02	.6
		Totals:	1.03	3

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ___ None
 ___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name Wayne Baldwin Date 7-8-09

Reviewer Erik Blum Date 8-3-2009

SEAL



006.JPG



crk pod.JPG



domestic.JPG



irr (2).JPG



irr.JPG



pou groundwater.JPG



pou irr.JPG







