

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☐ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☐ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
_D028805		10			

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

D. FLOW MEASUREMENTS

PUMP EQUATIONS WATER RIGHT No. 98-7840						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = HP*8.8*Eff/H		10	514.0816327	0.7	410	45
Q =	0.120 cfs		53.9 gpm			

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 30 \times 3 = 90 \text{ AF}$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: STOCKWATER = ~~6.7~~ AF 0.9

100 + stock cows

Correct

G. NARRATIVE/REMARKS/COMMENTS: NEEDS AMENDMENT TO CORRECT PLACE OF USE FOR IRRIGATION AND STOCKWATER.Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	0.120 CFS	90.00 AF
STOCKWATER	01/01 to 12/31	0.120 CFS	~~6.70~~ AF 0.90 K.A.
<u>Totals:</u>		0.120 CFS	~~96.70~~ AF 90.6 AF K.A.

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



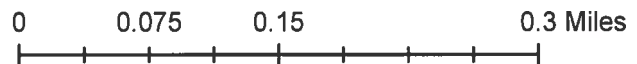
Date

1-7-2013

Reviewer

Date

Water Service Area Boundary for Patrick Gardiner



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters





STOCK & TANK.JPG



POD.JPG



TAG .JPG



SYSTEM.JPG





