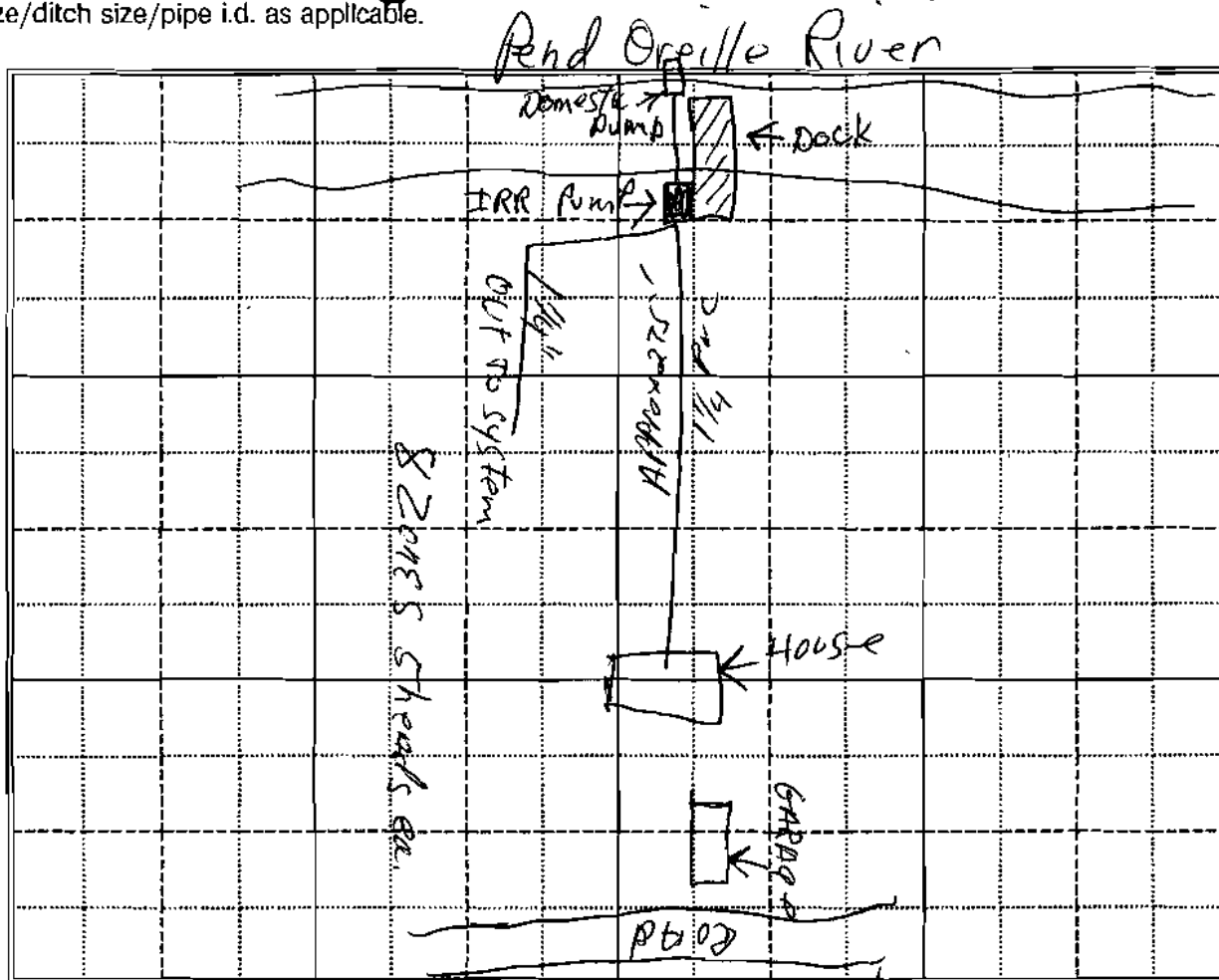


[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



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Scale: 1" = _____

Copy of USGS Quadrange 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
Domestic	Franklin	.5		Sub	1 1/4"
IRR	Flotec	1.5	C4862ECS	Flotec	1 1/4"

*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:

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E. NARRATIVE/REMARKS/COMMENTS

Irrigation system and domestic system
are on 2 different pumps.

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

F. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

IRRIGATION
theoretical Domestic 8.8(.5)(.7)
Pump can only handle 120 gpm at
a time 5 heads at 49 gpm = 209 gpm x .133681 = .04 cfs

$$\frac{20 + (2.3) \times 30}{60} = 10.3 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.72 \times 3 = 5.16$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .04 \times 213 \times 1.9835 = 16.8$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 5.16$$

2. Volume Calculations for Other Uses:

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H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Domestic</i>	<i>01-01</i>	<i>12-31</i>	<i>.03</i>	<i>.6</i>
<i>Irrigation</i>	<i>04-01</i>	<i>10-31</i>	<i>.04</i>	<i>5.16</i>
Totals:			<i>.07</i>	<i>5.76</i>

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

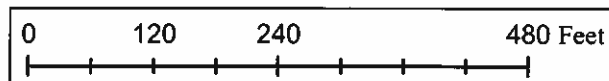
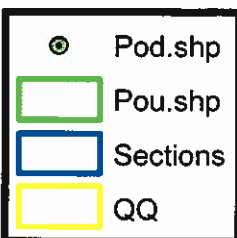
I. AUTHENTICATION

Field Examiner's Name *Wayne Baldwin* Date *9-30-08*

Reviewer *[Signature]* Date *10/23/8*

SEAL

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014



irr pump



irr sys



place of use



place of use (2)



pod



pod irr

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