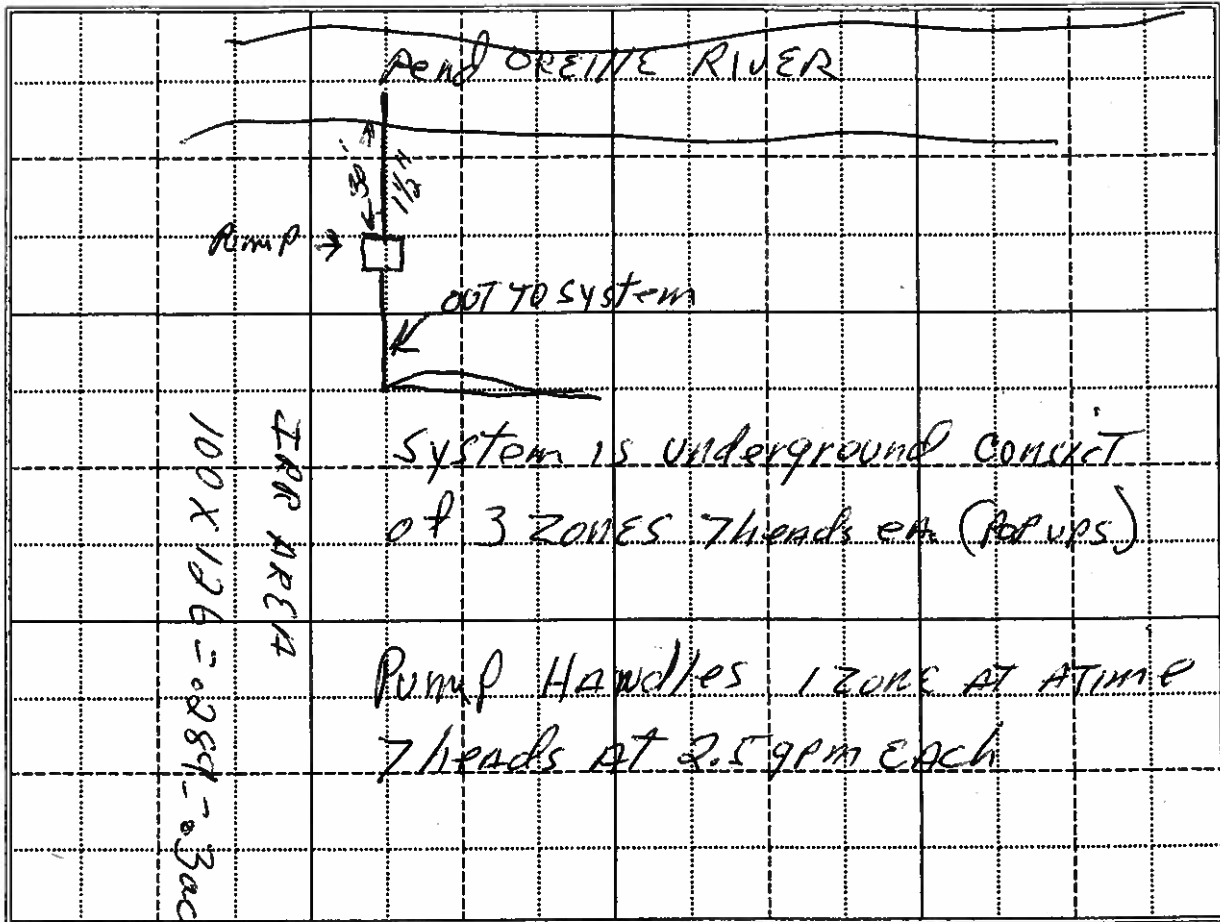


[illegible]

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



Scale: 1" = NTS

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
	F+W	1	1649715	F+W	1 1/2"

*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:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Have conditions of permit approval been met? C yes ___ no

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

MANUFACTURES Flow chart AT 45 PSI 2.5 gpm

$$\frac{7 \times 2.5 = 17.5 \text{ gpm} \times .133681}{60} = .03 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = .3 \times 3 = .9$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .03 \times 213 \times 1.9835 = 12.6$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = .9$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

Period of Use

Rate of Diversion

Annual Volume

From

To

Q (cfs)

V (afa)

*Irrigation**04-01**10-31**.03**.9*

Totals:

*.03**.9*

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

7-03-09

Reviewer

[Signature]

Date

7-20-09

SEAL

Heggem Application

T56N R5W Section 26





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pump.JPG





