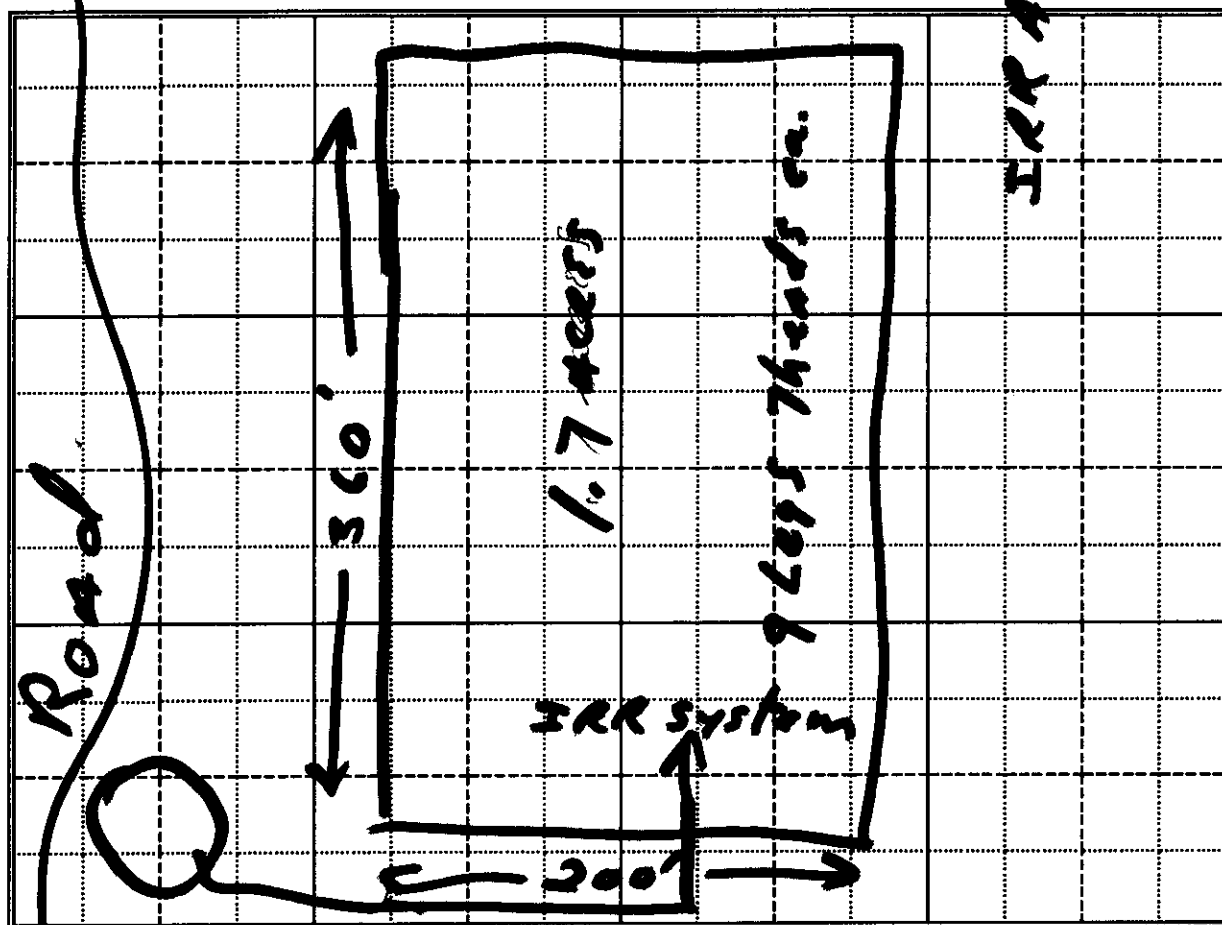


[illegible]

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



Scale: 1" = _____

____ 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	282139310	Sub	2"

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

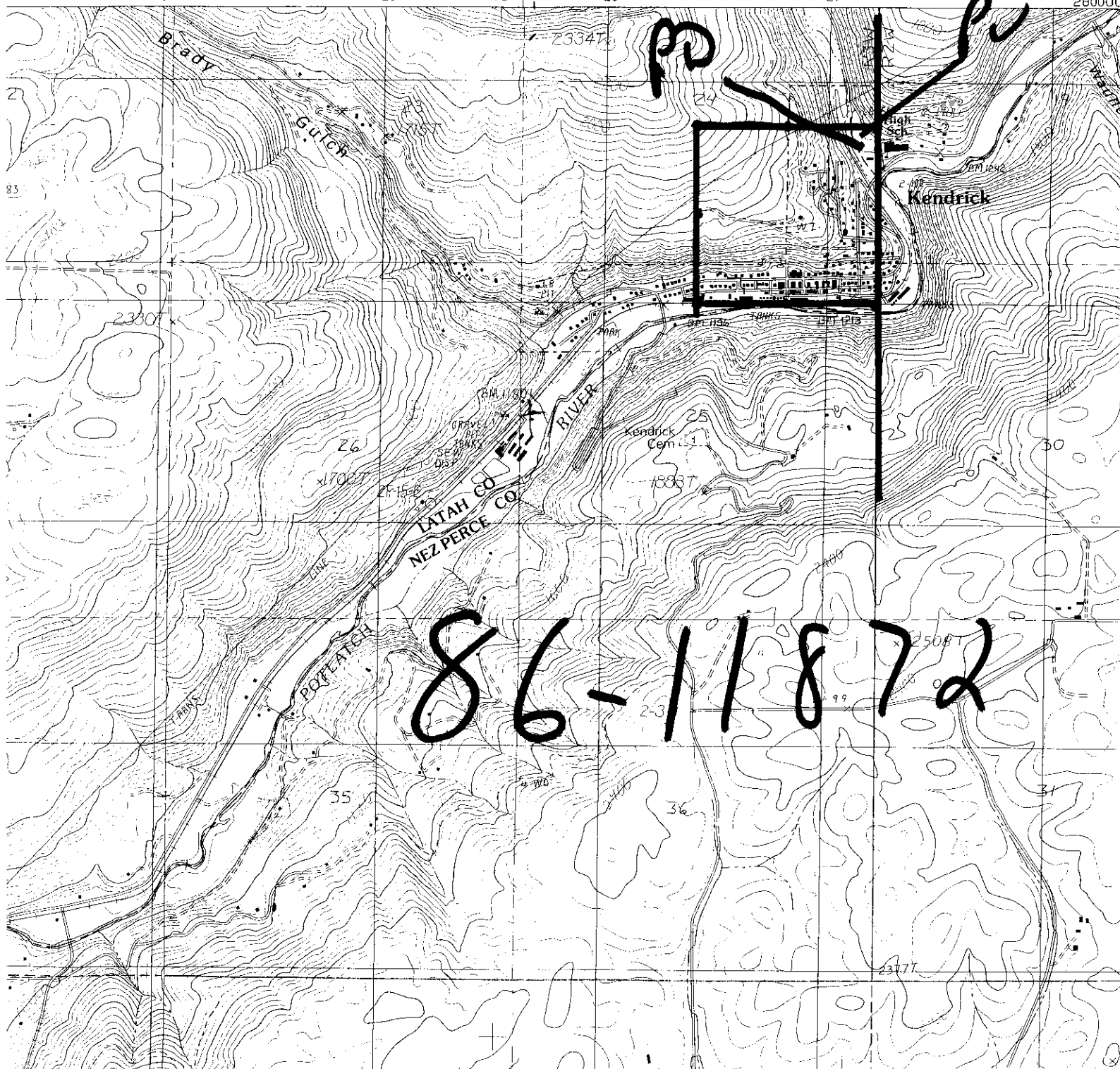
D. FLOW MEASUREMENTS

1.

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

2. Measurements: _____

524 525 40' 526 527 280000



86-11872



pu



pu



pu

E. NARRATIVE/REMARKS/COMMENTS

This well is a dug well 16' deep, 48" in diameter, lined with a galvanized culvert. Entire system is buried, heads are 4.5 gpm pop up.

The system is limited by available water not pump size. Mr. Chapman ran the system for me. It can only run 1 leg (2 heads) at a time or it will pump well dry.

The only way I had to determine rate was to multiply 2 heads $\times$ 4.5 gpm ea
= 31.5 gpm = .07 cfs

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

F. FLOW CALCULATIONS

Measured Method:

See Narrative

Additional Computation Sheets Attached

$$\begin{aligned} 7 \times 4.5 &= 31.5 \text{ gpm} \\ 31.5 \times .133681 &= .07 \text{ cfs} \\ \hline 60 \end{aligned}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$\begin{aligned} V_{I.R.} &= (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.7 \times 3 = 5.1 \\ V_{D.R.} &= [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .07 \times 245 \times 1.9835 = 3.4 \\ V &= \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.4 \end{aligned}$$

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	03/15	11/15	.07	5.1
Totals:			.07	5.1

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. AUTHENTICATIONField Examiner's Name Wayne Baldwin Date 8-6-03

Reviewer _____ Date _____

SEAL