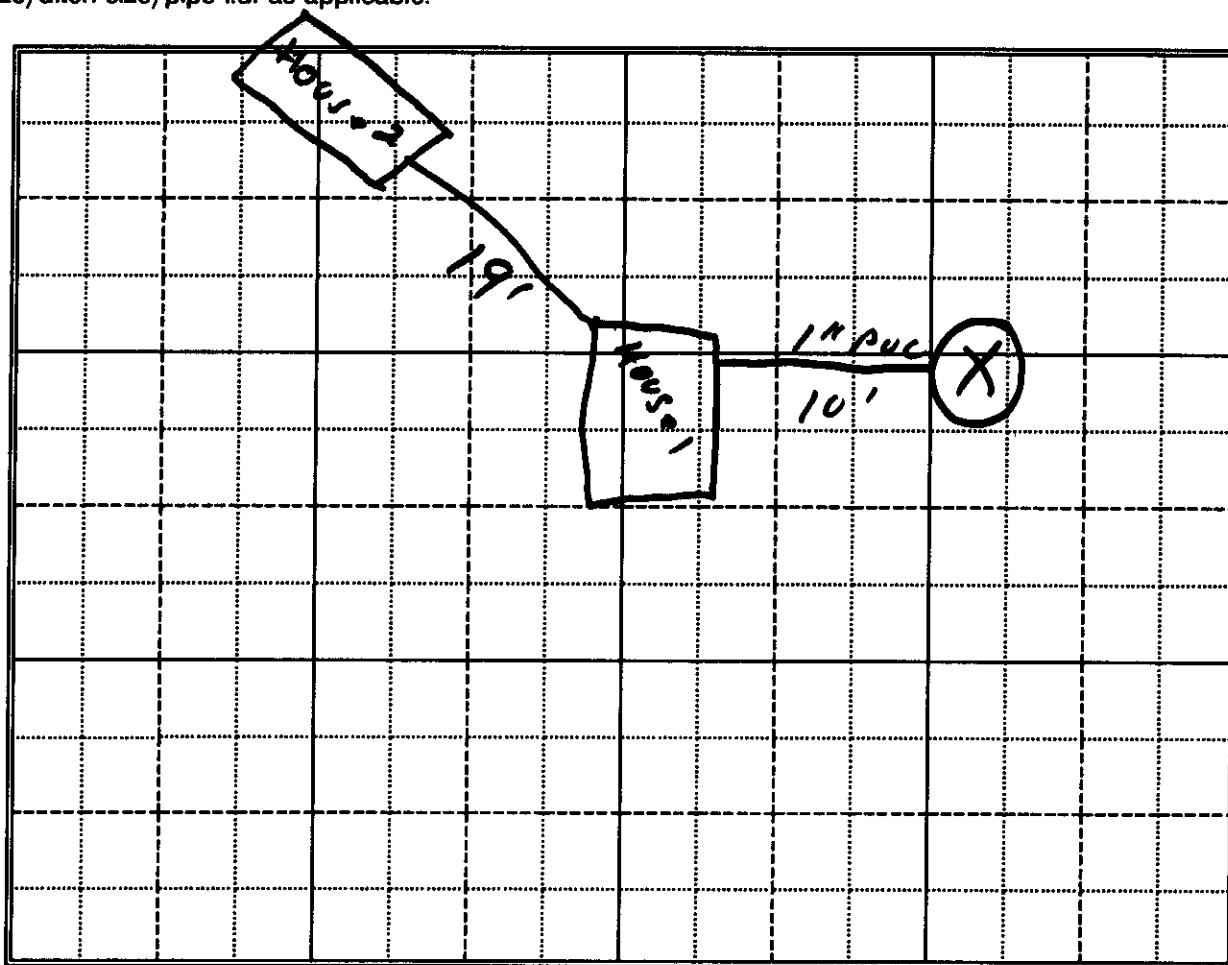


[illegible]

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	1		Lerner	28608

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

D. FLOW MEASUREMENTS

1.

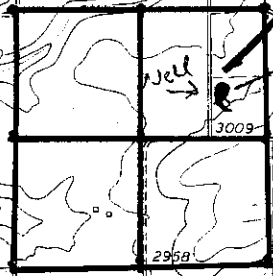
Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

34N-03E-10

84-12198

Nelson



PD
PD
HOMES
OK

POD & Homes

NE SW ?

for ?

NO 5150N

84-12198



PU



Home 1



Back view
Home 2



PU
IRR

84-12198

E. NARRATIVE/REMARKS/COMMENTS

I did a theoretical calculation for rate came up with .02. Mr Nelson thought that was too low. He told me he has a friend that comes to his house for water with a 200gal tank in his truck and they can fill it in 20 min. I told him that would be .02 or 10 gpm. Then he went & got the box his pump came in and it said 10 gpm.

Mr. Nelson's lot is 1.53 acres. I deducted the 2 houses and driveway for my irrigated acreage. Irrigation is accomplished with $\frac{5}{8}$ hose and portable sprinklers.

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

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

Theoretical (see narrative)

$$\frac{8.8(1)(1)}{220 + (2.31 \times 30)} = \frac{6.16}{289.3} = .02 \text{ cfs}$$

G. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.4 \times 3 = 4.2$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .02 \times 213 \times 1.9835 = 8.4$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.2$$

2. Volume Calculations for Other Uses: *1.53 acres*

- Home 1 20×48
 - Home 2 14×45
 - drive 105×25 } 4215 ft^2

1.53 acres
 $- 4215 \text{ ft}^2$
 $= 1.43 \text{ acres} = 1.4$

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Domestic (2)</i>	<i>01-01</i>	<i>12-31</i>	<i>.02</i>	<i>1.2</i>
<i>Irrigation</i>	<i>04-01</i>	<i>10-31</i>	<i>.02</i>	<i>4.2</i>
<i>Stockwater</i>	<i>01-01</i>	<i>12-31</i>	<i>.01</i>	<i>.1</i>
Totals:			<i>.02</i>	<i>5.5</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. AUTHENTICATIONField Examiner's Name *Wayne Baldwin* Date *8-15-05*Reviewer *[Signature]* Date *10-4-05*

SEAL