

[illegible]

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><br><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><br><u>Size</u> |
|--------------------------------------------|-------------------|-----------|-------------------------|------------------|----------------------------------------------------|
| D0054046                                   | Genie             | 1.5       | 4/12                    | Genie            | 4/12                                               |
|                                            |                   |           |                         |                  |                                                    |
|                                            |                   |           |                         |                  |                                                    |
|                                            |                   |           |                         |                  |                                                    |

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

**D. FLOW MEASUREMENTS**

1.

| <u>Measurement</u><br><u>Equipment</u> | <u>Type</u> | <u>Make</u> | <u>Model No.</u> | <u>Serial No.</u> | <u>Size</u> | <u>Calib. Date</u> |
|----------------------------------------|-------------|-------------|------------------|-------------------|-------------|--------------------|
|                                        |             |             |                  |                   |             |                    |
|                                        |             |             |                  |                   |             |                    |

2. Measurements: 5 gallon Bucket in 17sec = 18gpm = 0.04cfs

**E. FLOW CALCULATIONS**☐ Additional Computation Sheets Attached

Measured Method:

| PUMP<br>EQUATIONS<br>WATER RIGHT<br>No. 87-10057 |                    |     |             |                               |                            |                              |
|--------------------------------------------------|--------------------|-----|-------------|-------------------------------|----------------------------|------------------------------|
|                                                  |                    | HP  | H in feet   | Efficiency<br>as a<br>decimal | Pumping<br>lift in<br>feet | System<br>pressure in<br>PSI |
| Q<br>=                                           | HP*8.8*Eff/H       | 1.5 | 159.0816327 | 0.8                           | 55                         | 45                           |
| Q<br>=                                           | 0.066 cfs 29.8 gpm |     |             |                               |                            |                              |

**F. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

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

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

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

## 2. Volume Calculations for Other Uses:

0.6 AF Domestic use of one home  
 0.6 AF 0.5 ac IRR  


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 1.2 AF TOTAL

**G. NARRATIVE/REMARKS/COMMENTS**

water right for one home 1/2 ac IRR.

Have conditions of permit approval been met? ☒ Yes ☐ No

**H. RECOMMENDATIONS**

## 1. Recommended Amounts

| BENEFICIAL USE | PERIOD OF USE  | DIVERSION RATE | ANNUAL VOLUME |
|----------------|----------------|----------------|---------------|
| DOMESTIC       | 01/01 to 12/31 | 0.040 CFS      | 1.20 AF       |
| <u>Totals:</u> |                | 0.040 CFS      | 1.20 AF       |

## 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

Reviewer

Date

*[Signature]*

4-14-2008

*[Signature]*

4/16/8

# 87-10057



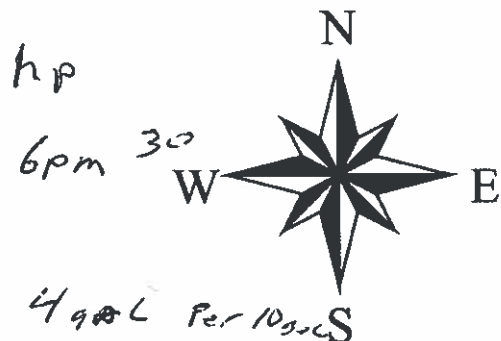
0.04 0 0.04 0.08 Miles

FE 4-8-2008

D0054046

WP 117 N  $46^{\circ}57.728$   
W  $116^{\circ}51.521$

- GCDB42N04W GCDB
- QQ
- QQ
- Recommendation POD
- Recommendation POU
- Pou.shp
- Pod.shp
- Administrative BasinsAdminbas.shp





87-10057

P/U





87-10057

P/D

