

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-8770

Exam Date: 2/28/2012

1. Current Owner: MILLARD N QUINLAN
180 RAINBOW DR
JEROME ID 83338
(208)324-3520
2. Accompanied by: Field exam completed in office utilizing Department resources.

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SW1/4SE1/4

Sec. 26, Twp 08S, Rge 16E, B.M.

JEROME County

Method of Determination: Point of diversion determined by using 2010 Bing Maps satellite imagery in ArcMap and information from IDWR files. Point of diversion appears to be in Twp 08S, Rge 16E, S 26, SWSE¼. See attached map.

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
08S	16E	26															X		

Method of Determination: Place of use determined by using 2010 Bing Maps satellite imagery in ArcMap. Place of use appears to be in Twp 08S Rge 16E S 26 SWSE¼. See attached map.

3. x Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- x Aerial Photo Attached (required for irrigation of 10+ acres).
- x Photo of Diversion and System Attached

4.

Well or Diversion**ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge Size**

_____ _2 Hp_____

D. FLOW MEASUREMENTS N/A

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Theoretical yield:

$$Q = \frac{8.8 \times (Hp) \times (Eff)}{H}$$

Where: Hp = 2 Hp (from Proof of Beneficial Use form)

Eff = efficiency = 70% assumed

H = total head = pumping level = (2.31 x system pressure)
 assume pumping level of 100 feet (from Well Drillers Report)
 assume system pressure = 30 psi

$$H = 185 + (30 \times 2.31) = 254.3$$

$$Q = \frac{8.8 \times 2 \times .70}{254.3} = 0.05 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Other Uses: Domestic In home & yard (one home) = 1.2 AFA

G. NARRATIVE/REMARKS/COMMENTS

Permit 36-8770 is for 0.04 cfs domestic use.

Application for permit 36-8770 submitted by Michael or Nadine Stanfield was submitted August 28, 1997. Application for permit was assigned to Millard N. Quinlan on October 16, 1997, and proof of Beneficial Use was submitted September 9, 1998.

Taxlot data indicates the lot is approximately 1.0 acre in size. The irrigated portion of the lot appears to be just under 0.4 acres. A theoretical yield calculation indicates the well is capable of pumping 0.05 cfs.

Recommend permitting the standard 1.2 AFA for domestic in house and lawn and 0.04 cfs.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	1/01 to 12/31	0.040 CFS	1.2 AFA
<u>Totals:</u>		0.040 CFS	1.2 AFA

2. Recommended Amendments____ Change P.D. as reflected above ____ Add P.D. as reflected above ☒ None

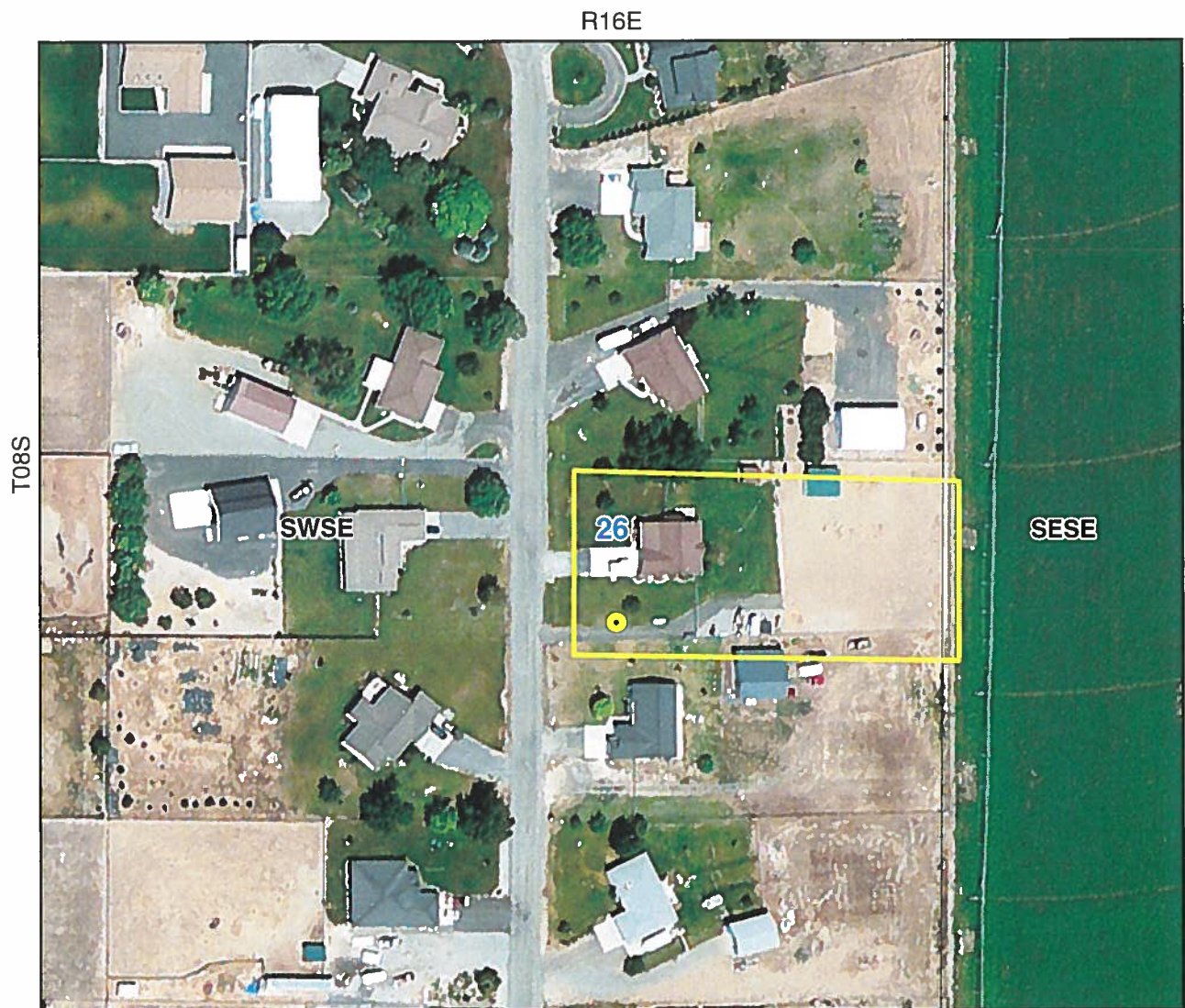
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

I. AUTHENTICATIONField Examiner's Name Bill Miller Date 2-29-2012Reviewer [Signature] Date 3/19/12

State of Idaho
Department of Water Resources
Water Right License

36-8770

Water Service Area Boundary for Millard N Quinlan



0 0.0175 0.035 0.07 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

