

4.

<u>Well or Diversion 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 Size</u>
D0008893		3HP			20 GPM

D. FLOW MEASUREMENTS
N/A

E. FLOW CALCULATIONS

Measured method: Theoretical Yield

$$Q = \frac{8.8 \times (\text{hp}) \times (\text{eff})}{H}$$

Where: hp = 3 hp (per Eaton Drilling)

Eff = efficiency = 70% assumed

H = total head = pumping level + (2.31 x system pressure)

H = 258' + (2.31 x 40) = 350.4

$$\frac{8.8 \times 3 \times .70}{350.4} = 0.05 \text{ cfs}$$

F. VOLUME CALCULATIONS

Volume calculations for other uses: Domestic in home and yard = 1.2 AFA

G. NARRATIVE/REMARKS/COMMENTS

Well supplies water for two homes in the Horseshoe Ranchettes Subdivision. Application for permit was originally filed for under WR 37-08912 by Edward J. McNelis. It was later reassigned and split into WR's 37-20591(Matthew Organist, Lot 6) and 37-20592(Dave Hamblin, Lot 5). Both rights are for domestic use only. Well is located on lot 6.

Tax lot data indicates that Lot 6 is 2.6 acres; historically less than ½ acre is irrigated.

It is recommended that right be permitted for 0.04 cfs and ½ acre of irrigation.

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	01/01 to 12/31	0.040 CFS	1.2 AF
<u>Totals:</u>		0.040 CFS	1.2 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 Matthew Eick Date 1/13/12

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Water Right License
37-20591
Water Service Area Boundary for Matthew Organist



0 0.04 0.08 0.16 Miles

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

