

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-7662

Exam Date: 9/8/2012

1. Current Owner: RIRIE ELK MEADOWS HOMEOWNERS ASSN
PO BOX 748
RIGBY ID 83442
2. Accompanied by: Jeff Geisler
Phone No: 208-589-2812
Address:
Relationship to Permit Holder: Subdivision homeowner and representative

3. SOURCE TRIBUTARY
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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE1/4SE1/4 Sec. 29, Twp 04N, Rge 40E, B.M.
JEFFERSON County

Method of Determination: GPS

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
04N	40E	29																X	

Method of Determination: Aerial Photography

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> <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> <u>Size</u>
--	-------------------	-----------	-------------------------	------------------	--

A0018393

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Flowmeter	Sonic	Fuji	S10A1-00Y	AOL55371		3/30/2012

2. Measurements: Made measurement in pump house with a Fuji flowmeter

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: Maximum observed flow was 258.0 gpm. The maximum recorded flow was 257.0 ~~gpm~~ ^{gpm} or 0.57 cfs. Only 25 homes and hookups have been built and developed. Based on the instantaneous water requirements for domestic use chart, 0.23 cfs is needed for in-house use. The subdivision will receive 0.25 cfs for the irrigation of lawns (1/2 acre per home for 25 homes).

Total rate of diversion = 0.48 cfs.

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

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses:

0.6 acre-feet for in-house use.

0.6 acre-feet per ½ acre lot with a home built.

25 homes * 1.2 acre-feet/home = 30.0 acre feet.

G. NARRATIVE/REMARKS/COMMENTS

Only one well has been drilled, and only 25 hookups (homes) have been installed in the subdivision at the time of the exam. The common area and well lot is being irrigated, which is not covered under this permit. A flowmeter has been installed, but the display unit could not be located.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

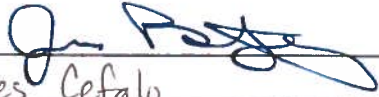
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.480 CFS	30.00 AF
<u>Totals:</u>		0.480 CFS	30.00 AF

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 1-14-13

Reviewer James Cefalo Date Feb 4, 2013

	4 'VELOCITY	'FLOW RAT	'+TOTALIZE	'RAS
	ft/s	gal/min	gal	
9/18/2012 17:58	1.628	254.951	11223.4	'00000000000000000000000000000000
9/18/2012 17:58	1.635	255.918	11266.2	'00000000000000000000000000000000
9/18/2012 17:58	1.641	256.87	11308.7	'00000000000000000000000000000000
9/18/2012 17:58	1.608	251.737	11351.1	'00000000000000000000000000000000
9/18/2012 17:58	1.572	246.076	11392.8	'00000000000000000000000000000000
9/18/2012 17:58	1.583	247.851	11434	'00000000000000000000000000000000

Ririe Elk Meadows Subdivision

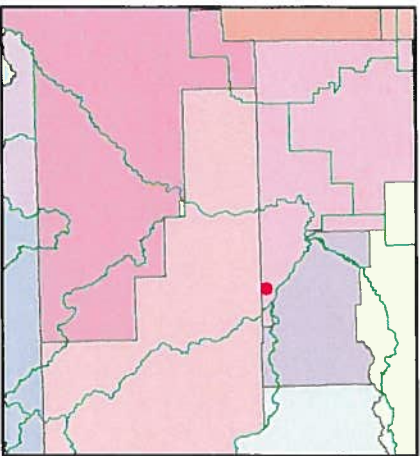
Maximum observed flow was 258 gpm



Idaho Department of Water Resources

Water Right
25-7662
(DOMESTIC)

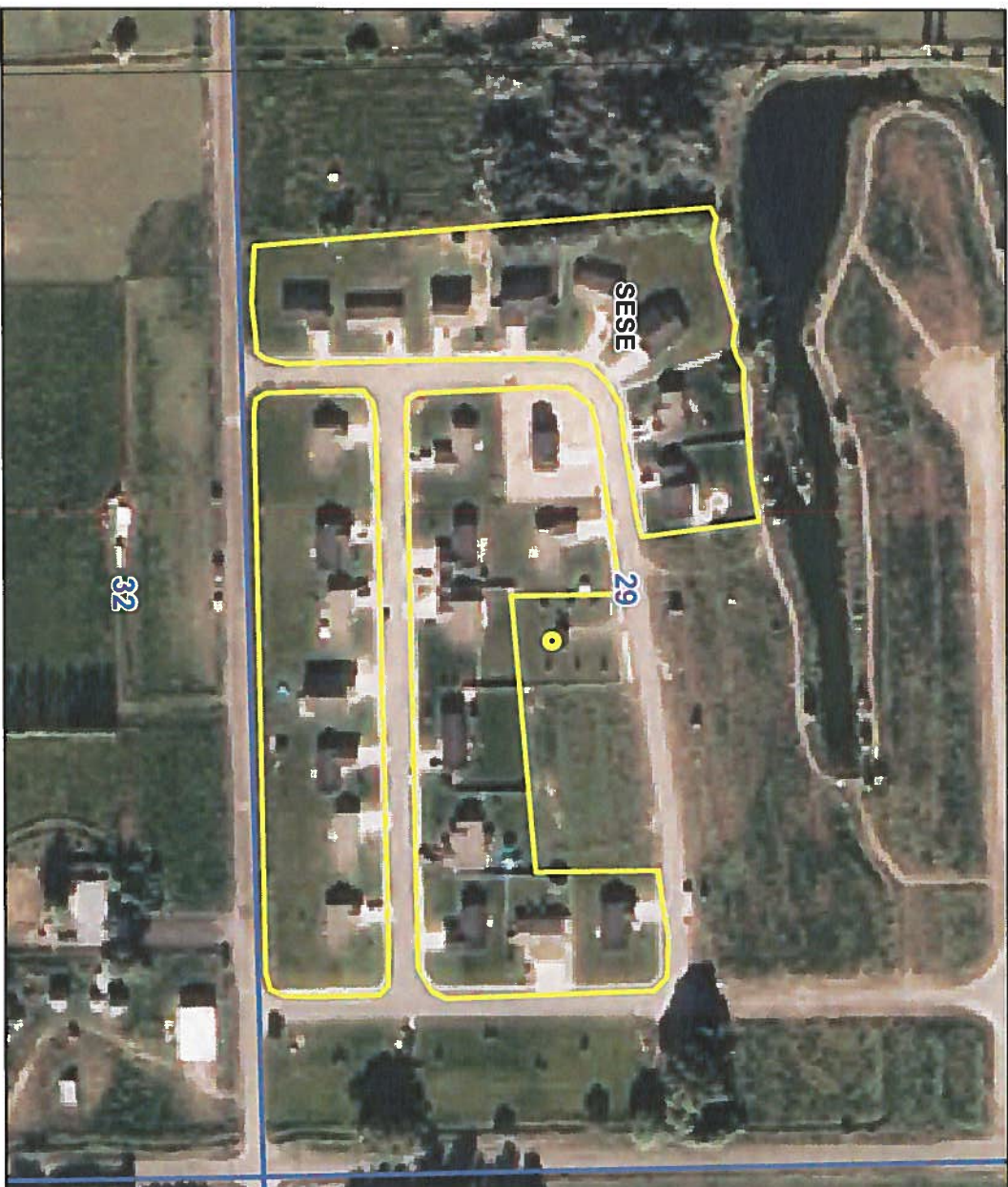
- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Jefferson County
IDWR Basin 25



T04N



R40E



Owner: Ririe Elk Meadows Homeowners Assn
NOTE: Only one owner is listed. There may or may not be more than this in the IDWR database.

Prepared by Bizenburg, James
On October 22, 2012
2009 Aerial Photography



Common area: homes



Well house - well is in short portion



Typical homes



Flowmeter



wellhouse plumbing



wellhouse plumbing



Homes in Subdivision

