

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22805

Exam Date: 8/3/2012

1. Current Owner: FAUSTINO RAMOS
PO BOX 1543
MCCALL ID 83638
(208)630-4161
2. Accompanied by: Faustino Ramos
Phone No: Same
Address: Same
Relationship to Permit Holder:

3. SOURCE**TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 65-22941
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

~~SE 1/4~~SE1/4SW1/4

Sec. 34, Twp 18N, Rge 03E, B.M.

VALLEY County

GROUND WATER

~~SE 1/4~~SE1/4SW1/4

Sec. 34, Twp 18N, Rge 03E, B.M.

VALLEY County

Method of Determination: ArcMap (Aerial Photo); GPS (Ground Water Well) Lat. N.44°50.934', Long. W.116°04.672';
Datum – NAD83.

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
18N 03E 34	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
												X					

PLACE OF USE: AESTHETIC STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
18N 03E 34	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
												X					

DIVERSION TO STORAGE same as AESTHETIC STORAGE

Method of Determination: ArcMap (Aerial Photo)

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>
D0028301_____	Franklin_____	1.5_____	_____	Unknown_____	_____Unknown_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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>
N/A_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements: No field measurement. Unable to measure discharge into water feature and lawn sprinkling System.

E. FLOW CALCULATIONS

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 1.5/65 + (2.31 \times 30) = 0.07 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.07 \text{ cfs} > 0.04 \text{ cfs } Q(\text{permit})$$

_____Additional Computation Sheets Attached

$$HP = 1.5$$

Z = 65' (Item 'C' in IDWR Theoretical
Dynamic Pumping Level Diagram
For Wells)

$$P = 30 \text{ psi (Assumed)}$$

Appears that the existing pumping system is capable of attaining the permit diversion rate of 0.04 cfs. Recommend the permit diversion rate of 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses: (Aesthetic Storage Pond)

$$V = \text{Area} \times \text{Depth} = 0.6 \text{ ac.} \times 5' = 3.0 \text{ AF}$$

$$\text{Pond Size: Area} = 0.6 \text{ ac.}$$

$$V(\text{Recommended}) = 3.0 \text{ AF}$$

$$\text{Depth (average)} = 5' \text{ (Estimated)}$$

$$V(\text{Domestic}) = \frac{1.2}{0.6} \text{ AFA } \text{RC } 4/3/13$$

G. NARRATIVE/REMARKS/COMMENTS**WATER DELIVERY SYSTEM:**

A 1 ½-hp submersible pump diverts ground water from a well for domestic use for one home and irrigation of lawn, landscaping, and gardens. An 8" deep french drain, which wraps around the home to the north, west (driveway), and south, captures seasonal high ground water and discharges to a water feature located south of the home and adjacent to an aesthetic storage pond. The water feature discharges to the aesthetic storage pond.

DOMESTIC USE:

The well provides water to one home for internal and external domestic use. External domestic use is for the pressurized irrigation system to irrigate the lawn, landscaping, and gardens.

AESTHETIC STORAGE:

The ground water well is a supplemental source of water for the water feature. A french drain, constructed around the home to capture and divert seasonal high ground water from snow melt and irrigation, is the primary source of water for the water feature. When the french drain flow is not adequate to maintain normal flow in the water feature, the right holder uses a circulation pump in the storage pond to supply water to the water feature. Occasionally, during the heat of the summer, the right holder will use well water as the water source for the water feature. The well water is used as a mechanism to aerate and introduce fresh water to the aesthetic storage pond during the driest times of the year.

OVERLAP (Place of Use):

Water Right Permit No. 65-22941 was issued for diversion from an unnamed stream for aesthetic and wildlife storage pond. The place of use is the same aesthetic storage pond described in Water Right Permit No. 65-22805.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.04	&/or	3.0
Beneficial Use Limit	0.04	&/or	N/A
System Measurement	0.07(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	20
Recommended Amount	0.04	&/or	3.0

H. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
DOMESTIC	01/01 to 12/31	0.040 CFS	~~0.6~~ AFA 1.2 RC 4/2/13
DIVERSION TO STORAGE	01/01 to 12/31	0.040 CFS	
AESTHETIC STORAGE	01/01 to 12/31		3.00 AFA
		<u>Totals:</u> 0.040 CFS	~~3.60~~ AFA 4.2 AFA RC 4/3/13

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

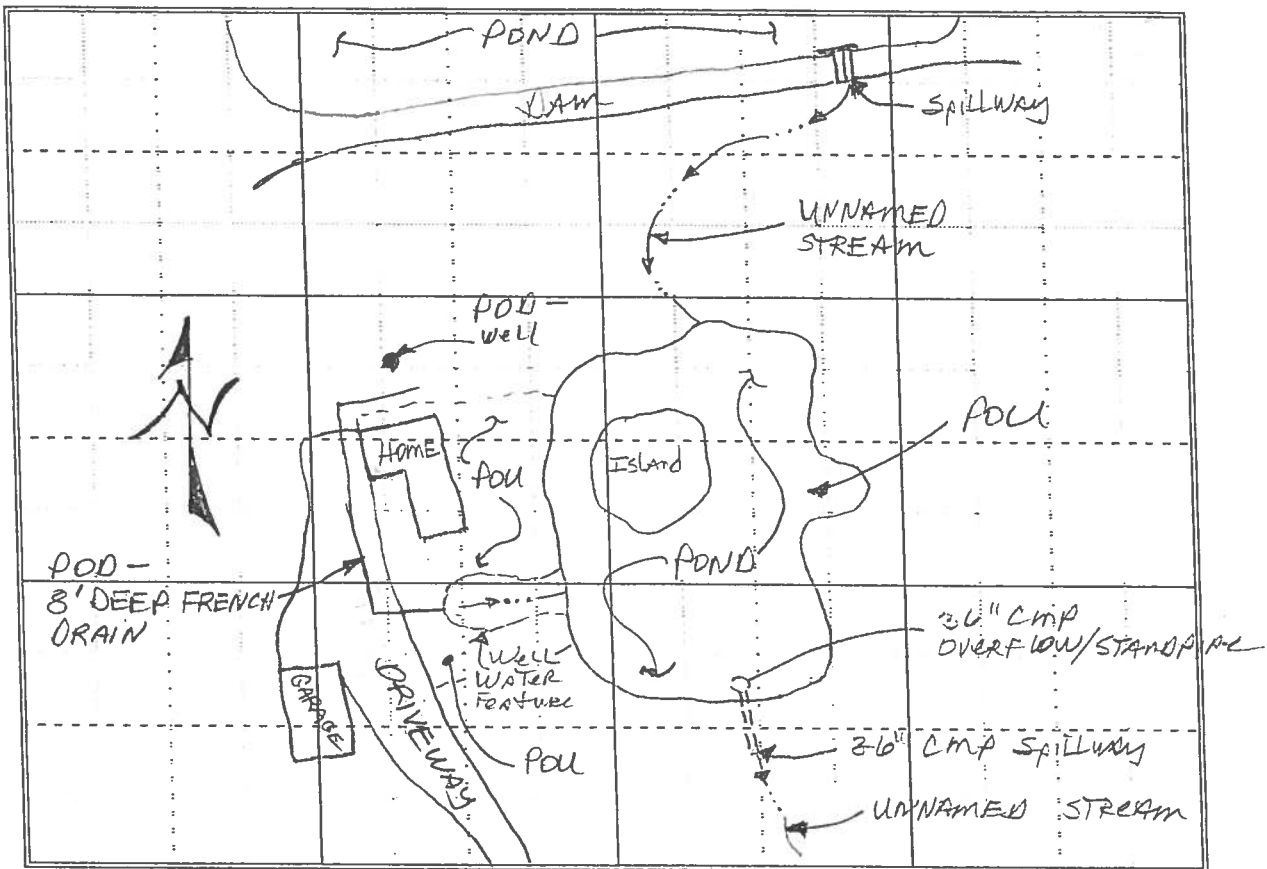
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 3/21/13
 Reviewer _____ Date _____

65-22805



3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ 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

Office Use Only		
Well ID No		
Inspected by		
Twp	Rge	Sec
1/4	1/4	1/4
Lat	Long	

12. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian			
Yield gal/min	Drawdown	Pumping Level	Time
30			

3. LOCATION OF WELL by legal description:

Depth first Water Encounter 125

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name JRU Well Drilling Firm No. 539

Principal Driller Jim B. Perkins Date 5-16-03
and
Driller or Operator II Mark Estlin Date 5-16-03

Operator I _____ Date _____

Principal Driller and Rig Operator Required
Operator I must have signature of Driller/Operator II

FORWARD WHITE COPY TO WATER RESOURCES

FIELD EXAM PHOTOS

Water Right Permit: 65-22805

Field Exam Date: 8-3-12

PLS: SE1/4, SW1/4 Section 34, T.18N, R.03E.

Field Examiner: RC



Point of Diversion: View southeasterly of domestic well. Well provides ground water for domestic internal and external use and supplemental water for a water feature which discharges into the aesthetic/wildlife storage pond shown in background.



Place of Use: View southerly of aesthetic/wildlife storage pond. Water feature which supplies supplemental water to the pond is located on the west side of the pond.