

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-31562

Exam Date: 6/1/2012

1. Current Owner: Jason's Landing Subdivision Homeowner's Assn., Inc.
4350 S. McDermott Road
Nampa, ID 83687
(208)888-6635
2. Accompanied by: Tim Hepper
Phone No:
Address:
Relationship to Permit Holder: Director

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| 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 SE1/4NE1/4 Sec. 2, Twp 03N, Rge 01E, B.M.
ADA County

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: DOMESTIC

[illegible]

Method of Determination: Arc Map (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 ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Model No. or Discharge Size</u>
N/A	Franklin	1 1/2		Baron	5870203380 (3")

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

D. FLOW MEASUREMENTS

1.

<u>Measurement 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	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurements: No field measurement taken. Pressurized pop-up sprinkler system.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method (Theoretical HP):

Hp = 1.5 (Pump Horespower)

Z = 87' (Pump Depth)

P = 25 psi (Gauge Pressure)

$$Q = 8.8 \times 0.7 \times 1.5/87 + (2.31 \times 25)$$

$$Q = 9.24/144.8 = 0.07 \text{ cfs}$$

$$Q(\text{Permit}) = 0.08 \text{ cfs} > 0.07 \text{ cfs} \quad (\text{System appears capable of attaining permit appropriated flow})$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \times 4.5 = 2.3 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.08 \times 260 \times 1.9835 = 41.3 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.3 \text{ afa}$$

2. Volume Calculations for Other Uses: Community Well

$$\text{Internal Home Volume} = 0.6 \text{ afa}$$

$$\text{Total Residential Units} = 8$$

$$V = 8 \times 0.6 \text{ afa} = 4.8 \text{ afa}$$

— obviously less than 40 c .08 cfs per acre calcs.
 ✓ OK - 82
 7/31/12

G. NARRATIVE/REMARKS/COMMENTS**SYSTEM DESCRIPTION:**

Ground water well with a 5" steel casing provides water for domestic use for eight (8) homes in the Jason's Landing Subdivision. The domestic use is for internal use for the eight (8) homes and irrigation of the lawns and landscaping within the development. Irrigation is for a total of ½ acre for the development. Irrigable areas were calculated using Arc Map aerial photo.

A 1 ½ hp variable speed submersible pump delivers water, through a 3" main line, to the eight (8) homes for domestic use, and to the pressurized irrigation system for irrigation of the lawn and landscaping for the eight (8) homes and a common area lot located in the northeast corner of the development. A Well-Mate pressure tank with a 1 ½" discharge line is tapped into the 3" main line. The pressurized irrigation system is comprised of 15 zones, each with 1" irrigation pipe and various pop-up and rainbird sprinkler heads.

OVERLAP:

Nampa & Meridian Irrigation District (Eichelberger Lateral) – Briggs Engineering provided a letter stating that the Eichelberger Lateral is only available for a few hours every 7 – 8 days. Also, since the irrigation system splits before it reaches Maple Grove Road, the development site would only receive 50% of the water in the system. Briggs Engineering continued with their assessment that there is inadequate water from the Eichelberger Lateral in which to operate a pressurized irrigation system. Therefore, no surface water is used for the pressurized irrigation system.

ASSIGNMENT:

Tim Hepper, Director of the Jason's Landing Subdivision Homeowner's Association, Inc., assigned the entire water right permit to the Jason's Landing Subdivision Homeowner's Association, Inc.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.08	&/or	7.1
Beneficial Use Limit	0.08	&/or	7.1
System Measurement	0.07(Theoretical)	&/or	7.1
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.08	&/or	7.1

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

Condition No.5 – Water bearing zone shall be 20 to 95 feet. Per the well log, total well depth is 95 feet. The pump location is 87 feet per the pump installer. Applicant has met the water bearing zone requirement.

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	0.080 CFS	7.1
<u>Totals:</u>		0.080 CFS	7.1

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

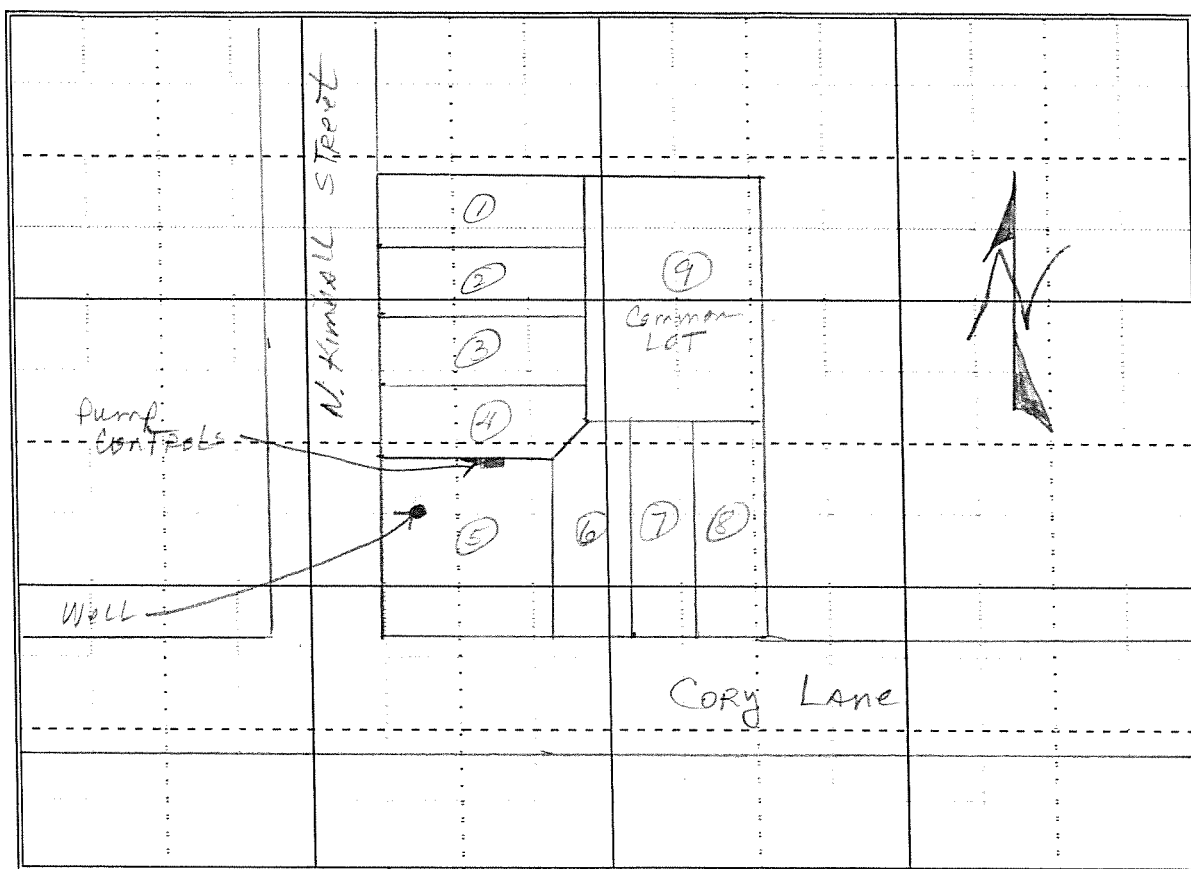
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 7/25/12

Reviewer _____ Date _____

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" = 100'

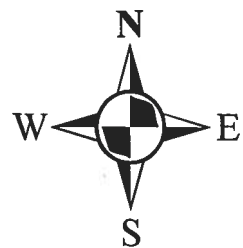
- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
- ☒ Aerial photo attached (required for irrigation of 10+ acres)
- ☒ Photo of diversion and system attached

63-31562



Legend

- POD
-  POU
-  Township/Range
-  Sections
-  QQ



IDAHO DEPARTMENT OF WATER RESOURCES

FIELD EXAMINERS

WELL INSPECTION FORM

1. IDENTIFICATION # _____ (Tag #, etc.)

OTHER APPLICABLE # 63-31562 (Water right #, etc.)

2. OWNER Tim Hepper Phone (208) 371-6635

Address 4350 S. McDermott Road City Nampa

State ID Zip 83687 Email _____

3. WELL LOCATION (GPS required in Degrees Decimal Minutes – use PLS if GPS not available)

Lat. 43.56601 2321104 Long. -116.245299

Twp 03N Rge 01E Sec 2 ¼ SE ¼ NE

4. WELL CONSTRUCTION ☒ Well log attached ☐ Well log not found

Any obvious construction problems that may be a source for contamination or waste? ☐ Yes ☒ No

If yes, describe below &/or see attached (list any that apply): ☐ Photos ☐ Diagram ☐ Other

5. HYDROLOGIC INFORMATION

Static water if measured 30 27 ft. Water temperature if measured _____ °F

Flowing artesian ☐ Yes ☒ No Pressure if measured _____ psi

NOTES _____

INSPECTED BY Rick Collingwood DATE 6-1-12

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

FIELD EXAM PHOTOS

Water Right Permit: 63-31562

Field Exam Date: 6-1-12

PLS: SE1/4, NE1/4 Section 2, T.03N, R.01E.

Field Examiner: RC



Point of Diversion: View easterly of 5" domestic well casing.



Place of Use: View easterly of lawn and landscaping in the front of lots fronting Cory Lane.



Place of Use: View northeasterly of common area lot for the Jason's Landing Subdivision.