

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-8130

Exam Date: 8/25/1999

1. Current Owner: TYHEE ESTATES WATER CO INC
13234 N BILLY LN
POCATELLO ID 83202
(208)237-9059

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Yes
2. Other water rights with the same point of diversion: 29-7549, 29-8110

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER	SW1/4SW1/4	Sec. 26,	Twp 04S,	Rge 34E, B.M.
BANNOCK County				
GROUND WATER	SE1/4SE1/4	Sec. 27,	Twp 05S,	Rge 34E, B.M.
BANNOCK County				

Method of Determination: Platt maps, and Bannock County Tax lot data in ArcView

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
05S	34E	26										X	X						

Method of Determination:

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 Serial No. or Discharge Size</u>
700311	Franklin	5	236603920		
700322					

*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>
Flow Meter		McCrowmeter		98-3-6227	0-250 GPM	

2. Measurements: 100 gpm at flow meter

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

POD No. 700311 $Q = [(15\text{hp}) * 8.814 * 0.70] \div [(150\text{ ft lift}) + (53\text{ psi} * 2.308)] = 0.34\text{ cfs}$ 100 GPM measured; $100 \div 448.8 = 0.22\text{ cfs}$ POD No. 700322 $Q = [(15\text{ hp}) * 8.814 * 0.70] \div [(220\text{ ft lift}) + (40\text{ psi} * 2.308)] = 0.30\text{ cfs}$

Limited to 0.23 cfs by permit

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: 26 homes with irrigation; $26 \times 1.2 = 31.2$ afa**G. NARRATIVE/REMARKS/COMMENTS**

Field area and wells were examined on August 7, 1995 in association with 29 8110. 28 8130 is an expansion of the original Tyhee estates as was planned during first field examination. This addition included 26 homes.

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	0.230 CFS	31.20 AF
<u>Totals:</u>		0.230 CFS	31.20 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 _____

Reviewer Nate Arave Nate Arave Date March 7, 2007 3-707

Comment Report

29-8130

1. narave 3/2/2007 Field Report Narrative

Comment: Field area and wells were examined on August 7, 1995 in association with 29 8110. 29 8130 is an expansion of the original tyhee estates as was planned during first field examination. This addition included 26 homes.

2. narave 3/2/2007 POD

Comment: Updated shape

3. narave 3/2/2007 POD

Comment: Updated PLS

4. narave 3/2/2007 POD

Comment: Updated shape

5. narave 3/2/2007 POD

Comment: Updated PLS

6. narave 3/2/2007 POU

Comment: Updated Shape

7. narave 3/2/2007 POU

Comment: Updated PLS

8. narave 3/2/2007 POD

Comment: Updated shape from PLS

9. narave 3/2/2007 POD

Comment: Updated shape

10. narave 3/2/2007 POD

Comment: Updated PLS

11. narave 3/2/2007 POD

Comment: Updated shape

12. narave 3/2/2007 POD

Comment: Updated PLS

13. narave 3/2/2007 POU Overlap

Comment: The overlapping POU are 29 7434, and 29 8110

14. ZIMMERMA 2/28/1994 MORATORIUM & TRUSTWATER EXEMPTION

Comment: This permit is located within the Eastern Snake River Plain Moratorium and

Comment: This permit is located within the Eastern Snake River Plain Moratorium and trustwater boundary; however, its domestic use is within the acceptable parameters of the moratorium and trustwater guidelines. DIVERSION DESCRIPTION Proposed 8" x 175' deep well with pump to subdivision lots.

15. VAULT 3/7/1995 Lapse Notice Sent

Comment: Lapse Notice Sent

16. VAULT 4/20/1995 Proof of Beneficial Use Rcvd

Comment: Proof of Beneficial Use Rcvd

17. CZIMMERM 6/19/1995 AMENDED PERMIT

Comment: This permit has been amended to change the point of diversion from SESWSW, S26, T05S, R34E to an existing well (owned by S & N Water Assn under license 29-07549) located within SESESE, S27, T05S, R34E.

18. JYARBROU 2/26/1996 Proof of Beneficial Use Rcvd

Comment: Proof of Beneficial Use Rcvd

19. SCURTIS 4/3/1996 Proof of Beneficial Use Rcvd

Comment: Proof of Beneficial Use Rcvd

