

Permit No: 22-7815

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
AUG 26 2004
Department of Water Resources

Permit No: 22-7815

Exam Date: 8/19/2004

A. GENERAL INFORMATION

1. Current Owner: POWDER VALLEY
C/O TOM FEWELL
PO BOX 572
DRIGGS ID 83422
(208)526-7789

And/Or

SHADOWBROOK HOMEOWNERS
C/O TOM FEWELL
PO BOX 572
DRIGGS ID 83422
(208)526-7789

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

CALLED TOM FEWELL

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	SE1/4NE1/4	Sec. 25, Twp 05N, Rge 45E, B.M.
TETON County		
GROUND WATER	SE1/4NE1/4	Sec. 25, Twp 05N, Rge 45E, B.M.
TETON County		
GROUND WATER	SE1/4NE1/4	Sec. 25, Twp 05N, Rge 45E, B.M.
TETON County		

Method of Determination:

FE/GPS

2.

PLACE OF USE: RECREATION STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
05N	45E	25				X													

pond

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
05N 45E 25	NE	NW	SW	SE X	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

DIVERSION TO STORAGE same as DOMESTIC

- use the two townhome wells for ^{Powder Valley} shadowbrook outside lawns and a pond. 21 cfs
- one house well for in home and lawn.
0.04 cfs Lot 77 cobble crest

NOTE TAX LOT INFO WAS USED FOR THE SHAPES, BUT IT NEEDED TO BE SHIFTED TO THE SOUTH WEST.

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>
		5hp	submersible	pump	
		2hp	sub.		
		1.5	sub.		

*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>

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

$$CFS = \frac{5hp \times 6.16}{90 \times (2.31)(50)} = 0.15 CFS$$

home well p

$$CFS = \frac{1.5hp \times 6.16}{90 \times (2.31)(50 \text{ psi})} = 0.0$$

$$CFS = \frac{2hp \times 6.16}{90 \times 231(30)} = 0.06 CFS$$

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:

$$46 \times 0.6 \text{ AF/A} = 27.6$$

homes

$$1 \text{ home} \times 1.2 \text{ AF/A} = 1.2 \text{ AF/A}$$

$$\underline{28.8}$$

pond is about 1 AF

G. NARRATIVE/REMARKS/COMMENTS

three wellspump to townhouse and a single family home.
 two wells go to the two town home complex and one well goes to the single family home.
 5 hp submersible pump and a 2 hp subm pump to the two wells in the town home.
 1.5 hp pump to the single family home.
 the two wells also go to the rec pond.

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>
RECREATION STORAGE	01/01 to 12/31		1.00 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.210 CFS	1.00 AF
DOMESTIC	01/01 to 12/31	0.250 CFS	28.80 AF
		<u>Totals:</u>	29.80 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 Dave Carlson Date _____

Reviewer S.W. Keen Date Jan. 19, 2005

22-7815





22-7815 pond AREA

DC
8/2004



22-7815 house lot well

DL

8/2004