

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7348

Exam Date: 10/31/2007

1. Current Owner: ROCK CREEK LDS GIRLS CAMP
ASHTON STAKE PRESIDENT
ASHTON ID 83420

RECEIVED**AUG 06 2008**DEPARTMENT OF
WATER RESOURCES

2. Accompanied by: Not Accompanied

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: Other water rights share QQ but this is the only water right used at the girls camp
2. Other water rights with the same point of diversion: The girls camp is the only user on the well

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

GROUND WATER

NW 1/4 SW 1/4

Sec. 17, Twp 09N, Rge 45E, B.M.

FREMONT County

Method of Determination: Garmin GPS and ArcMap

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
09N 45E 17							X			X							
09N 45E 18				X									X				

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
09N 45E 17							.3			1.5							1.8
09N 45E 18				.2									.6				.8

Total Acres: 2.6

PLACE OF USE: RECREATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09N 45E 17							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>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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: none made

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

$$2.6ac * 0.03 \frac{cfs}{ac} = 0.08cfs$$

$$1 home * 0.04 \frac{cfs}{home} = 0.04cfs$$

$$0.08cfs + 0.04cfs = 0.12cfs$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.6ac * 3.5 \frac{ac * ft}{ac} = 9.1ac * ft$$

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

$$0.08cfs * 184days * 1.9835 \frac{ac * ft}{cfs * days} = 29.2ac * ft$$

$$V_{D.R.} = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 9.1 ac * ft$$

2. Volume Calculations for Other Uses:

$$1 \text{ home (no irrigation)} * 0.06 \frac{ac * ft}{\text{home}} = 0.06ac * ft$$

G. NARRATIVE/REMARKS/COMMENTS

Pump supplies water to pool dining hall kitchen and shower house. Center field is irrigated lawn.

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	05/01 to 09/01	0.040 CFS	0.60 AF
IRRIGATION	06/01 to 09/01	0.080 CFS	9.10 AF
RECREATION STORAGE	06/01 to 09/01		0.10 AF
<u>Totals:</u>		0.120 CFS	9.80 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

Mike Arave

Date

8/4/08

Comment Report

21-7348

1. jlarsen 11/19/2007 Field Report Narrative

Comment: Pump supplies water to pool dinning hall kitchen and shower house.
Center field is irrigated lawn.

2. narave 8/4/2008 Overlap Analysis

Comment: Water rights 21-182A, 182B, 21-4070, 29-10413, 21-12409, and 21-12410
share legal description of place of use.

The well is th only source of irrigation water for the place of use under the domestic
element on this right. It is the only well supplying water to the camp for filling the pool
and the single cabin.

Theoretical Pump Flow Calculation	
$Q = [(Hp) * (8.814) * (eff)] / [Lift + (psi * 2.308)]$	
Permit No. 21-7348	
Hp = horsepower =	5
Eff = efficiency =	0.7
Lift =	25
PSI = Pressure =	50
Q =	0.22

Lift = Static water level + assumed draw down
or
Measured dynamic water level

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	21 4070	USDA FOREST SERVICE,	GROUND WATER	09N45E18													X				0
Permit	21 7348	ROCK CREEK LDS GIRLS CAMP,	GROUND WATER	09N45E18				X									X				0
Right	21 12409	UNITED STATES OF AMERICA ACTING THROUGH,	SAWMILL CREEK	09N45E18													X				0
Right	21 12410	UNITED STATES OF AMERICA ACTING THROUGH,	SAWMILL CREEK	09N45E18													X	X			0
Right	21 11635	UNITED STATES OF AMERICA ACTING THROUGH,	ROCK CREEK	09N45E18											X	X		X	X	X	0
Claim	21 7348	CORP OF THE PRESIDING BISHOP ,	GROUND WATER	09N45E18				1									1				2
Rec	21 182A	VELMA CALAWAY, BLAIR CALAWAY,	ROCK CREEK	09N45E18													1.9				1.9
Rec	21 182B	BLAIR CALAWAY, VELMA CALAWAY,	SHAEFER CREEK	09N45E18													1.9				1.9
Rec	21 7348	CORP OF THE PRESIDING BISHOP ,	GROUND WATER	09N45E18				1									1				2
Right	21 7348	ROCK CREEK LDS GIRLS CAMP,	GROUND WATER	09N45E18				0.2									0.6				0.8
Right	21 7348	ROCK CREEK LDS GIRLS CAMP,	GROUND WATER	09N45E18				X									X				0

[illegible]