

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7592

Exam Date: 9/27/2007

1. Current Owner: US DEPT OF AGRICULTURE
FOREST SERVICE
TARGHEE NATIONAL FOREST
1405 HOLLIPARK DR
IDAHO FALLS ID 83401
(208)557-5783
2. Accompanied by: Unaccompanied
- Phone No:
- Address:
- Relationship to Permit Holder:

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| GROUND WATER | |

B. OVERLAP REVIEW

1. Other water rights with the same place of use: See attached sheet
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 NW1/4NE1/4 Sec. 33, Twp 13N, Rge 43E, B.M.
FREMONT County

Method of Determination: GPS

- 2.

PLACE OF USE: DOMESTIC

[illegible]

Method of Determination: ArcView

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>
D0014318		3/4			

*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: Flow based on Theoretical Pump Flow Data

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: 0.06 AF/Home/Year X 1 Home = 0.06 AFA

G. NARRATIVE/REMARKS/COMMENTS

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

H. RECOMMENDATIONS

1. Recommended Amounts

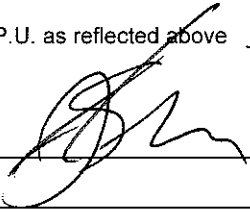
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	0.06 AFA
<u>Totals:</u>		0.040 CFS	0.06 AFA

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 Joseph Larsen  Date September 28, 2007

Reviewer _____ Date _____

Comment Report

21-7592

1. jlarsen 9/28/2007 Field Report Narrative

Comment: Sinle 3/4 HP pump supplies water to a single summer cabin. Minimal irrigation of any kind. Well was drilled in August of 2000.

2. jlarsen 9/28/2007 POU Overlap Analysis

Comment: POUs that overlap QQs are:

21-7571

22-13083

21-7514

21-11484

21-11498

21-11504

21-11505

21-11507

3. jlarsen 9/28/2007 POD

Comment: Updated shape

4. jlarsen 9/28/2007 POD

Comment: Updated PLS

5. jlarsen 9/28/2007 POU

Comment: Updated Shape

6. jlarsen 9/28/2007 POU

Comment: Updated PLS

Theoretical Pump Flow Calculation	
$Q = [(Hp) * (8.814) * (eff)] / [Lift + (psi * 2.308)]$	
Permit No. 21-07592	
Hp = horsepower =	0.75
Eff = efficiency =	0.7
Lift =	89
PSI = Pressure =	15
Q =	0.04

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

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	21 2097	CHARLES POND,	BUFFALO RIVER	13N43E33					X								0
Right	21 7015	WALTER TSCHIKOF,	GROUND WATER	13N43E33	X												0
Permit	21 7571	US DEPT OF AGRICULTURE	GROUND WATER	13N43E33		X			X								0
Right	21 11515	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33			X										0
Right	21 11516	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X									0
Claim	21 7282	STATE OF IDAHO	HENRY'S FORK	13N43E33					X								0
Claim	21 2097	BANK OF EASTERN IDAHO,	BUFFALO RIVER	13N43E33					X								0
Claim	21 2135	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33						X							0
Right	22 13083	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33		X											0
Right	21 7514	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33		X											0
Right	21 11484	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33		X											0
Right	21 11490	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33					X								0
Right	21 11496	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33					X								0
Right	21 11498	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33		X			X								0
Right	21 11504	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33		X											0
Right	21 11505	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33		X			X								0
Right	21 11507	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33		X											0
Right	21 11509	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33			X										0
Right	21 11512	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33			X										0
Right	21 11513	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33			X		X								0
Right	21 11514	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33			X										0
Right	21 11518	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X									0
Right	21 11519	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33	X												0
Right	21 11520	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33	X												0
Right	21 11521	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33	X												0
Right	21 11522	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33	X												0
Right	21 11523	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33	X												0
Right	21 11524	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X									0
Right	21 11526	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X									0
Right	21 11529	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X									0
Right	21 11531	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X	X								0
Right	21 11530	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X									0
Right	21 11531	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33				X									0
Permit	21 7592	US DEPT OF AGRICULTURE,	GROUND WATER	13N43E33		X											0
Rec	21 2135	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	13N43E33							X						0
Rec	21 2097	BANK OF EASTERN IDAHO,	BUFFALO RIVER	13N43E33					X								0

13N43E33NWNE



13N43E33NWNE



6284



DEPARTMENT
OF
WATER RESOURCES
DDW-4318
DRILLING PERMIT I.D. TAG
DO NOT REMOVE