

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7571

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. SOURCE

TRIBUTARY

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

L1 NW/4NE/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>
D0004804		1.0			

*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: Performed a Theoretical Pump Calculation

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:

$$0.06 \text{ AF/Home/Year} \times 1 \text{ Home} = 0.06 \text{ AFA}$$

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

21-7571

1. SCURTIS 3/17/1998 FOREST SERVICE RECORDS

Comment: Dennis & Susan Fullmer Lot 1, Blk. Q

2. jlarsen 9/28/2007 Field Report Narrative

Comment: This system has a 1 HP pump to a single summer home. Well was drilled by Vollmer Well Drilling in August 1998.

Appears that homeowner has irrigated a minor firebreak, less than 1/2 acre.

3. jlarsen 9/28/2007 POD

Comment: Updated shape

4. jlarsen 9/28/2007 POU

Comment: Updated Shape

5. jlarsen 9/28/2007 POU

Comment: Updated PLS

6. jlarsen 9/28/2007 POD

Comment: Updated PLS

7. jlarsen 9/28/2007 POU Overlap Analysis

Comment: POUs that overlap QQs are:

21-11515

22-13083

21-7514

21-11484

21-11490

21-11496

21-11498

21-11504

21-11505

21-11507

21-11529

21-7592

Theoretical Pump Flow Calculation	
$Q = [(Hp) \cdot (8.814) \cdot (eff)] / [Lift + (psi \cdot 2.308)]$	
Permit No. 21-07571	
Hp = horsepower =	1
Eff = efficiency =	0.7
Lift =	86
PSI = Pressure =	30
Q =	0.04

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

[illegible]

13N43E288ESW
13N43E28SESW



13N43E33NENW

13N43E33NWNE

13N43E28SESW
13N43E28SESW

round

13N43E33NENW

13N43E33NWNE

6284





