

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 82-12258

Exam Date: 05/21/2017

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Two Forks LLC
 Owner of Record Correct? X Y N
 Address of Record Correct? Y N
 If No: Address

Address on Statement matches permit information and taxlot data in ArcMap.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C0

4. SOURCE TRIBUTARY

Ground Water NA

Method of Determination: Checked NAIP, could not locate pump. Statement of completion.

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: No direct overlap with any water rights. There are no other water rights within this QQ. Verified in ArcMap.

2. Other water rights with the same point of diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: The well associated with this water right is not a POD for another water right. Well drilled in 1974.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water	L4		SW	SW	7	31N	05E	B.M.	Idaho

Method of Determination: Reviewed aerial imagery. Could not locate well, but the entire property is in the SWSW of Section 7. The well log incorrectly shows the well in the NWSW of Section 7.

Change in POD? Y X N Amendment Required? Y X N

2. PLACE OF USE: There were two separate POU areas that overlapped for the most part. One parcel (0.6 acres) was for domestic use (in house and up to ½ acre irrigation) and the other parcel (1.1 acres) was for stockwater for up to three (3) horses. For the water right license the two shapes were combined into one POU based on aerial photography. Note, taxlot data was shifted and inaccurate in ArcMap.

Place of Use:

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
31N	05E	7											D/SW						<0.5
		Lot #											L4						NA
Total Acres =																			<0.5

Method of Determination: A review of aerial photography shows that a residence has been on subject property since at least 1988 (google earth) and the well log dates back to 1974. Based on the July 30, 2016 imagery, irrigation likely occurred around the house, but the general area was fairly green so it was difficult to separate irrigated areas. One large stock water trough can be seen on the aerial.

Change in POU? ____x ____N Amendment Required? ____x ____N

___ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

__X__ Aerial Photo Attached (required for irrigation of 10+ acres).

___ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
No well ID					

*Code to correspond with No. on map and aerial photo
Well log is in the file.

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurements required for in-house exam.

E. FLOW CALCULATIONS

___Additional Computation Sheets Attached

Measured Method: No measurements required for in-house exam

Per App. Processing Memo #22, up to 0.04 cfs is acceptable for domestic use for 1 home, which is the same amount specified in the permit. The permit allows for an additional 0.02 cfs for stock water. The combined maximum diversion rate under the permit is 0.05 cfs.

Measurement = NONE

Permit allowed = 0.05 cfs

License recommend for 0.05 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\quad X 3.5 \quad} = \underline{\quad}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\quad X 214 X 1.9835 \quad} = \underline{\quad}$$

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

2. Volume Calculations for Other Uses:

The permit wasn't approved until the spring 2016 and the latest aerial photography is from July 30, 2016. Irrigation could not be determined from the aerial photography due to generally green surroundings. However based on earlier imagery it does appear to be a yard on the SW side of the house. Processing memo #22: up to 1.2 AFA per household with irrigation. Stock water for 3 horses: 3 horses x 12 gpd x 365 days = 13,140 gallons/year = 0.04 AFA => 0.1 AFA. The combined allowable diversion is 1.3 AFA.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock 3 Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ☐ Y ☐ N

Method of Determination: Statement of Completion and aerial photography.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

The permit qualifies for an in-house exam, however the only aerial imagery available is within 3 months of permit approval so beneficial use for irrigation could not be confirmed. Furthermore the general area was still relatively green even in non-irrigated areas. There were two separate POU areas that overlapped for the most part. One parcel (0.6 acres) was for domestic use (in house and up to 1/2 acre irrigation) and the other parcel (1.1 acres) was for stock water for up to three (3) horses. For the water right license the two shapes were combined into one POU based on aerial photography. Note, taxlot data was shifted and inaccurate in ArcMap. In the Statement of Completion the owner indicates that they irrigate 1/2 acre or less, which is reasonable on the 0.6 acres POU area given that there is a house and a driveway included. The owner also specifies that stock water use is for three horses, which was also included on the permit. I verified in ArcMap that there are no other water right of any status within this QQ. There are no overlapping rights.

Removed the conditions pertaining to beneficial use exam, well drilling requirements, that stock water was for three horses, and the right of way/ easement.

Ownership information on the Statement of Completion is the same as on the permit, and the ArcMap taxlot data. I could not verify ownership on the Idaho County Website since their website was malfunctioning.

Have conditions of permit approval been met? ☐ Yes ☒ No
The owner may not have a fish screen installed.

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic (House and Irrigation)	01/01 to 12/31	0.04 CFS	1.2 AF
Stock Water	01/01 to 12/31	0.02 CFS	0.1 AF
<u>Totals:</u>		0.05 CFS	1.3 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 ☒ None

Other: < >

J. AUTHENTICATION

Field Examiner's Name: Manuel Rauhut
Reviewer _____

Date

Date

6/5/2017

July 30, 2016 Google Earth Imagery

