

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 81-11985

Exam Date: 5/17/2012

1. Current Owner: BILLY E MAYER
189 OUGHT SEVEN RD
KOOSKIA ID 83539
(208)926-7073
2. Accompanied by: Billy Mayer
Phone No: (208)926-7073
Address: 189 Ought Seven Rd., Kooskia, ID 83539
Relationship to Permit Holder: self

3. SOURCE

SPRING

TRIBUTARY

SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None; The other water right in the same QQ (81-11986) is for irrigation and fire protection for different property owned by Mr. Mayer.
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

SPRING L3 SW1/4SE1/4SW1/4 Sec. 12, Twp 32N, Rge 05E, B.M. IDAHO County

Method of Determination: Garmin Map 76S, Bing Maps Aerial, and ArcMap 2009 and 2011.

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
32N 05E 12												X					L 3

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
32N 05E 12												X					L 3

Method of Determination: Garmin Map 76S, Bing Maps Aerial, and ArcMap 2009 and 2011.

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.

Well or Diversion

ID No.*

Motor Make

Hp

Motor Serial No.

Pump Make

Pump Serial No. or Discharge Size

Spring source from an 18 inch head box, 1 1/2 inch poly to (2) 1300 gallon storage tanks with 1 inch overflow to a drainage ditch (which sinks), from storage tanks 1 1/2 inch poly to house (internal and external to frost free hydrants), and 1/12 inch poly to corral (frost free hydrant). The entire system is gravity flow.

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1. Measurements:

Physical Measurement (5 gallon bucket measurement):

$[(5 \text{ gallon} \times 60 \text{ sec}) / 11 \text{ sec}] \times 0.00223 = 0.06 \text{ cfs}$

Pipe Conversion for 1 1/2 inch poly pipe:

$Q = 5 \times 3.1416 \times [(diameter/12)/2]^2 \times \text{squared} = 0.06 \text{ cfs}$

IDWR Standard for Domestic 1-home internal/external use = 0.04 cfs, but on the application for permit and approved permit the amount requested was 0.02 cfs (recommend as permitted)

Stockwater: Table 1 Recommended Diversion for Stockwater 0 – 25 head horses/goats (4 mixed head) = 0.02 cfs

RECOMMEND:

Domestic 1-home internal/external: 0.02 cfs (as permitted)

Stockwater: 0.02 cfs

Total Diversion Rate: 0.02 cfs

E. VOLUME CALCULATIONS

1. Volume Calculations for Domestic and Stockwater:

No Volume shown, due to condition 071 limiting domestic use to 13,000 gpd. Stockwater would not have needed to be filed on separately, since it falls under the domestic use, so for this reason no volume is shown, leaving condition 071 as the limiting factor.

F. NARRATIVE/REMARKS/COMMENTS

spring with a 18 inch head box to (2) 1300 gallon storage tanks with 1 inch overflow pipe to drainage ditch running to the south (that sinks); 1 1/2 inch poly from the storage tanks (gravity flow) to the house for Domestic internal and external use (immediate yard/landscape surrounding the house, and grass and trees in the corral area), and to a frost free hydrant in the corral area for stockwater use. Domestic use is achieved by hooking up hoses to the frost free hydrants in the yard and corral area, with misc size nozzles and moving them around to water. At the time of the field examination, the property is for sale. The POU location has not changed, but with the use of ArcMap, it shows part of the POU in L3 SESW and part just in the SESW. The Original Survey for T32N, R05E, Section shows the entire POU located in L3 SESW. For this reason, the legal is listed only as L3 SESW.

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

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
DOMESTIC	01/01 to 12/31	0.020 CFS
STOCKWATER	01/01 to 12/31	0.020 CFS
<u>Totals:</u>		0.020 CFS

2. Recommended Amendments

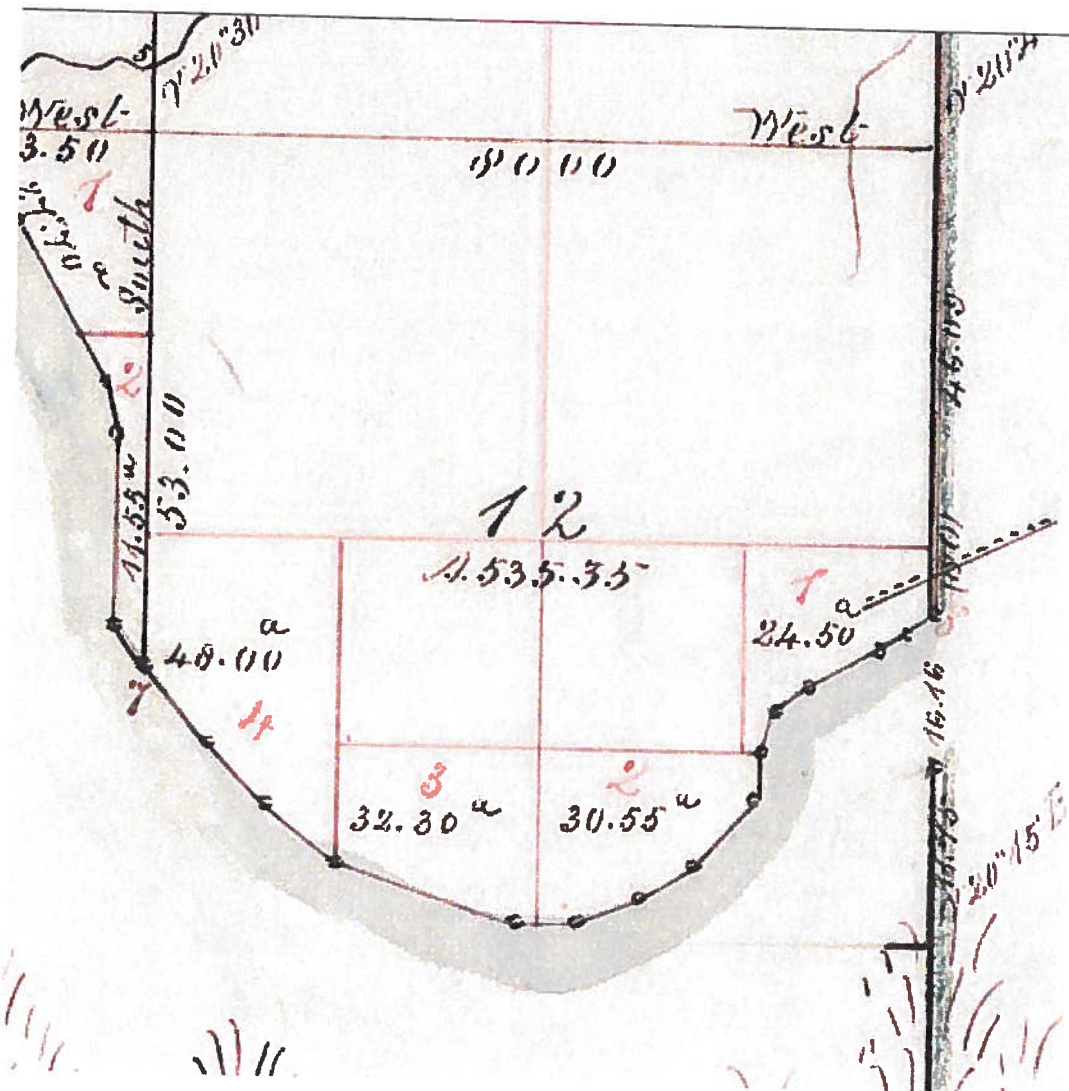
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

H. AUTHENTICATION

Field Examiner's Name

Sandy Hemmenway Date 6/27/2012



Original Survey T32N, R05E, Section 12

NWSW

NESW

SWSW

SESW

12

81-11986
IRRIGATION
+
Fire Protection
6.4 acres

32N05E

SWSW

81-11986
Middle Fork
Clearwater River
POD

81-11985
Duck
POD

81-11985 POD
Duck
POD
12
tanks

SESW

High 12

Middle Fork
Clearwater River

SWSW

NWNW

NENW

13

81-11925 MAUER

81-11925 MAUER



81-11425 Major

S. Hemmings



POU
Domestic
1-home
internal
+ externa

05/17/2012



POD
spring
with
18"
head
box to
(2)
1300
gallon
storage
tanks
1" overfit
to a ditch
that sink
1 1/2" pole
graveling
flow to
house +
corral
area

05/17/2012



Looking
from
POD/spring
sw to
the
corral

05/17/2012



Continued
down
to
corral

POU
stocking
+ part
of
domestic
external
(grass,
trees)

2 horses

05/17/2012



Poll:
stocking
+ domestic
external

05/17/2012



Poll
Domestic
internal

external
w/ frost
free
hydrant
hoses &
misc.
nozzles

05/17/2012



pasture
covered
under
81-1199

POU
front
lawn
81-1199

05/17/2012

81-11985 Manor

S. Hemmerson