

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-7763

Exam Date: 9/19/2012

1. Current Owner: MIDWAY WATER COMPANY INC
2535 N 4000 W
DAYTON ID 83232
(208)747-3570

2. Accompanied by:

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: *NONE*
2. Other water rights with the same point of diversion: *13-7499*

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

SW1/4NW1/4

Sec. 2, Twp 15S, Rge 38E, B.M.

FRANKLIN County

Method of Determination:

FE/GPS

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	
14S 38E 35																X	
15S 38E 2		X L 2				X L 4				X						X	
15S 38E 12													X				
15S 39E 7						X L 2											

*IN OFFICE REVIEW**OF OLD FIELD EXAM 13-7499*

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:

from EXAM 13-7499 0.50 CFS

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

E. NARRATIVE/REMARKS/COMMENTS

WELL: DRILLED 9/16/92 BY BILL BUBBE (13-92E-011)

8" CASING WITH PITLESS - 3" PIPE OUT OF WELL ~~BACK~~ BUT
NECKS DOWN TO A 2 1/2" PITLESS ADAPTER; BALANCE OF
SYSTEM IS 4".

PUMP: IS A GULF 100 MD7 INSTALLED BY: GLENN'S ELECTRIC
PUMP AT APPROX. 115' STATIC AT 65' LOGAN, UT. 801-752-4178
STORAGE TANK: 12,800 GALLON CAPACITY - GRAVITY FEED SYSTEM.

LOW WATER DEMAND ON PUMP

ELEVATION AT APPROX. 4960'

HSE ELEVATION AT APPROX. 4745'

PRESSURE AT POU WAS 64 PSI

HSE: 16 HOMES CURRENTLY HAVE ACCESS TO SYSTEM.

TESTED BY: SORENSEN ENGINEERING, LP

TEST 225 GPM WITH HEAD AT 90'

Have conditions of permit approval been met? ☒ yes

☐ no

MICROFILMED
AUG 12 1997

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

$$Q = \frac{HP (8.814) (EFF.)}{LIFT + (PSI \times 2.308)} = \frac{7 (8.814) (.7)}{205} = \frac{43.188}{205} = 0.21 CFS$$

205' LIFT WITH

DIVERSION RATE RESTRICTED TO PERMIT 0.16 CFS.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: ~~16 HOMES X 1/2 ACRE = 8 ACRES~~

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{8 \times 3.5 = 28 AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{0.16 CFS \times 183 \times 1.9835 = 58.07 AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{28 AFA}$$

2. Volume Calculations for Other Uses: ~~16~~ 12 homes x 1.2 afa = 14.4 afa

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<u>DOMESTIC</u>	<u>1/1</u>	<u>12/31</u>	<u>0.16</u>	<u>28 AFA 14.4 afa</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			<u>0.16</u>	<u>28 AFA 14.4 afa</u>

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☐ Change P.U. as reflected above ☒ ~~16~~ 12 homes as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name DONALD SIMPKINS Date 3/6/95

Reviewer [Signature] Date 1-19-96

SEAL

MICROFILMED

AUG 12 1997

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:

7 homes x 0.6 AF/A

G. NARRATIVE/REMARKS/COMMENTS

well/pump to 7 homes with no lawns.
measured on license 13-7499 at 0.50 cfs.

this permit is just for the 7 new homes standard cfs is 0.12cfs 0.13 cfs is ok
on the system

TOTAL OF 19 homes with
13-7499

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	0.130 CFS	4.20 AF
<u>Totals:</u>		0.130 CFS	4.20 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 DAVE CARLSON Date 9/19/2012

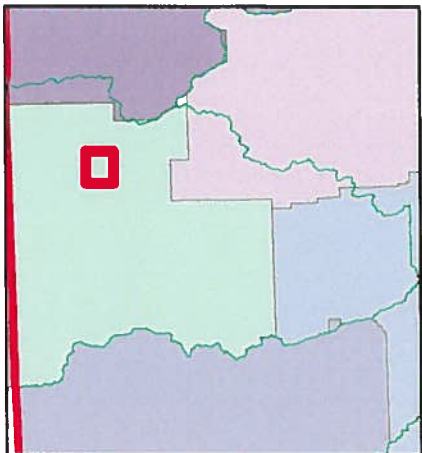
Reviewer James Cefalo Date 9/24/2012



Idaho Department of Water Resources

Water Right
13-7763
(DOMESTIC)

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Franklin County
IDWR Basin 13

Prepared by Carlson, Dave

2009 Aerial Photography

