

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14379

Exam Date: 8/20/2015

1. Current Owner: M & B INVESTMENTS LLC
6549 S 5TH WEST
IDAHO FALLS ID 83404-7633
(208) 524-9004
2. Accompanied by: Ryan Loftus
Phone No: (208) 542-1911
Address: 10727 N Yellowstone Hwy
Idaho Falls, ID 83401
Relationship to Permit Holder: Water system operator

3. SOURCE**TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 25-14163
2. Other water rights with the same point of diversion: 25-14163, 25-14391

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

GROUND WATER	SE1/4SW1/4SW1/4	Sec. 13,	Twp 04N,	Rge 38E, B.M.
JEFFERSON County				
GROUND WATER	SE1/4SW1/4SW1/4	Sec. 13,	Twp 04N,	Rge 38E, B.M.
JEFFERSON County				

Method of Determination: Aerial photography and 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	
04N	38E	13												X					

Method of Determination: Aerial Photography and site visit.

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>
Well #1 D0037543		15			
Well#2 A0018278		15			

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>
Flow Meter	Portable	Fuji				April, 2015

2. Measurements: Flow meter measurement for each well (2 measurements).

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Measured Method: Fuji portable flow meter was used to measure the rate of diversion from two wells.

Well #1 rate of diversion = 313.0 gallons per minute.

Well #2 rate of diversion = 243.0 gallons per minute

Total rate of diversion = 556 gallons per minute = 1.24 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{N/A}$ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{N/A}$ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \text{N/A}$

2. Volume Calculations for Other Uses:

Domestic (irrigation):

39 lots x 0.6 acre-feet/lot = 23.4 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Two 15 hp pumps equipped with flow meters provide irrigation water for 39 lots within the Sunbrook Estates Subdivision. The domestic use under this right is for irrigation use only. Water right 25-14163 covers the in-house use for the 39 homes.

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	0.390 CFS	23.4 AF
<u>Totals:</u>		0.390 CFS	23.4 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 Blake Sordani Date 8/3/2016

Reviewer James Cefalo Date 8/15/16

25-14163 & 25-14379





