

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14163

Exam Date: 8/20/2015

1. Current Owner: M&B INVESTMENTS LLC
6549 SOUTH 5TH EAST
IDAHO FALLS ID 83404
(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

- Other water rights with the same place of use: 25-14379
- Other water rights with the same point of diversion: 25-14379, 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				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
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: 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 (in-house Use):

$$39 \text{ homes} \times 0.6 \text{ acre-feet} = 23.4 \text{ acre-feet}$$

G. NARRATIVE/REMARKS/COMMENTS

Two 15 hp pumps equipped with flow meters provide water to 39 homes within the Sunbrook Estates Subdivision. The domestic use under this right is for in-house use only. Water right 25-14379 covers the irrigation for the 39 lots.

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	0.300 CFS	23.40 AF
<u>Totals:</u>		0.300 CFS	23.40 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

1. AUTHENTICATION

Field Examiner's Name Blake Sordan Date 8/3/2016

Reviewer James Cefalo Date 8/15/16

25-14163 & 25-14379





