

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-14031

Exam Date: 6/2/2014

1. Current Owner: M & B ENTERPRISES LTD PARTNERSHIP
PO BOX 326
ST ANTHONY ID 83445
(208)652-7340
2. Accompanied by: In office field exam
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: None

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

GROUND WATER NW1/4SW1/4 Sec. 11, Twp 07N, Rge 42E, B.M.
FREMONT County

Method of Determination: Well drilling report.

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	
07N	42E	10													X				
07N	42E	11									X								
07N	42E	14				X									X				

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	
07N	42E	10													X				
07N	42E	11									X								

Method of Determination: Aerial photography.

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**

D0058899

D. FLOW MEASUREMENTS

1. Measurements: This permit qualifies for an in office filed exam. No measurement taken.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

Theoretical calculation:

$$Q = \frac{8.8 * (70\% \text{ Efficiency}) * 5 \text{ hp (assumed)}}{150 \text{ ft} + 2.31 * (50 \text{ psi})}$$

$$Q = 0.12 \text{ cfs}$$

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:

6 homes x 0.60 acre-feet/home for in-house use only = 3.6 acre-feet

Domestic use for washing farm equipment and preparing weed spray = 0.6 acre-feet

12 horses and 3 cows x 12.0 gallons/day /animal x 365 days/year = 65,700 gallons

65,700 gallons/325,850 gallons/acre-foot = 0.2 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

In office field exam. Point of diversion location was based on GPS coordinates from the well drillers report. Domestic water use is for 6 homes (in-house use only), washing farm equipment and preparing weed spray. The domestic and stockwater place of use was verified using aerial photography. Fremont County's map server shows M & B Enterprises as the current property owner at the place of use.

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	0.110 CFS	4.20 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.20 AF
<u>Totals:</u>		0.110 CFS	4.40 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

I. AUTHENTICATION

Field Examiner's Name Blake Jordan Date 6/2/2014

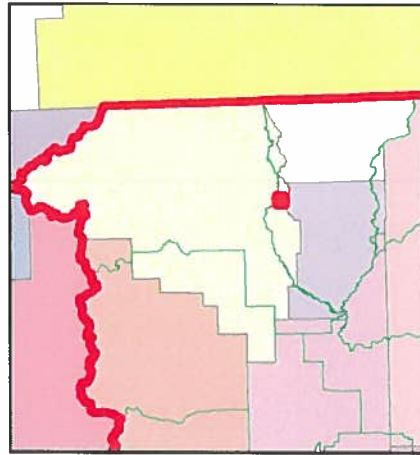
Reviewer _____ Date _____



Idaho Department of Water Resources

Water Right
22-14031
(DOMESTIC)

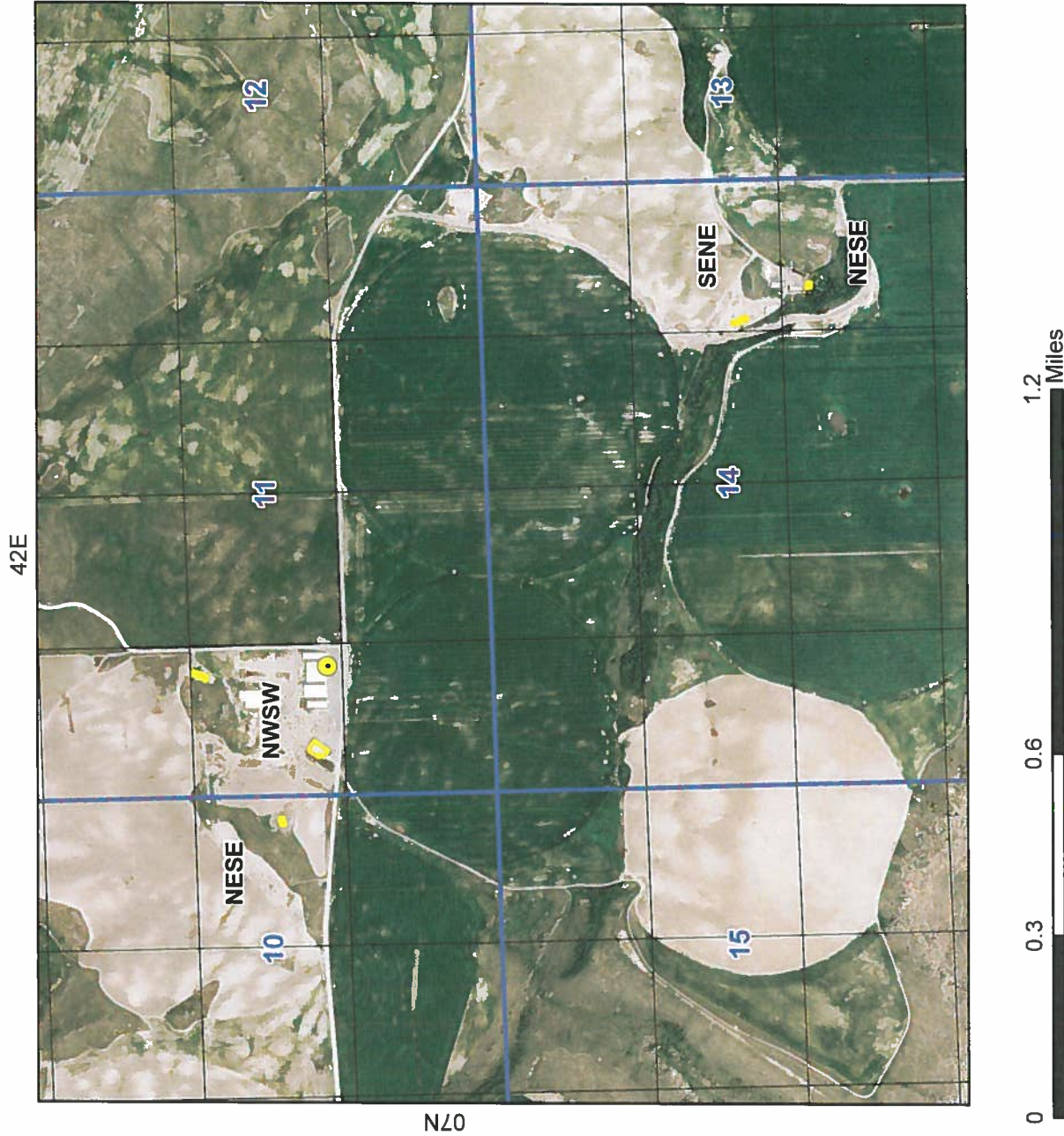
-  Point of Diversion
-  Place of Use
-  State Outline
-  Townships
-  PLS Sections
-  Quarter Quarters



Fremont County
IDWR Basin 22

Prepared by Jordan, Blake

2009 Aerial Photography





Idaho Department of Water Resources

Water Right
22-14031
(STOCKWATER)

● Point of Diversion



Place of Use



State Outline



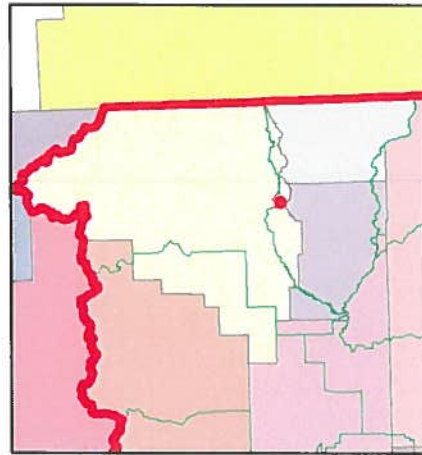
Townships



PLS Sections



Quarter Quarters



Fremont County
IDWR Basin 22

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2009 Aerial Photography

42E



07N



0 0.05 0.1 0.2 Miles

