

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22840

Exam Date: 6/25/2012

1. Current Owner: JAMES D FRISBEE
1475 W CENTRAL RD
EMMETT ID 83617
(208)866-5283
2. Accompanied by: James Frisbee
Phone No: (208) 866-5283
Address: 1475 W. Central Road, Emmett, ID 83617
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Emmett Irrigation District
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 NW1/4SE1/4 Sec. 36, Twp 07N, Rge 02W, B.M.
GEM County

Method of Determination: ArcMap (Aerial Photo); Tax Lots.

2.

PLACE OF USE: IRRIGATION

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	02W	36															2.0		2.0

Total Acres: 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	02W	36														X			

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>
<u>D0039203</u>		<u>5</u>		<u>Jacuzzi</u>	<u>2"</u>

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

D. FLOW MEASUREMENTS (N/A)

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: No field measurement. Pop-up pressurized irrigation system for four residential lots.

E. FLOW CALCULATIONS Additional Computation Sheets Attached

Measured Method: (Theoretical)

$$Q = 8.8 \times 0.7 \times 5/90 + (2.31 \times 50) = 30.8/205.5 = 0.15 \text{ cfs}$$

$$HP = 5$$

$$Z = 90'$$

$$P = 50 \text{ psi (Assumed)}$$

$$Q(\text{theoretical}) = 0.15 \text{ cfs} < 0.16 \text{ cfs } Q(\text{permit})$$

Appears community well system is capable of attaining the permit diversion rate of 0.16 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \times 4.5 = 9.0 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 260 \times 1.9835 = 30.9 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 9.0 \text{ AFA}$$

2. Volume Calculations for Other Uses:

$$\text{Domestic (Internal): } V = 4 \text{ homes} \times 0.6 \text{ AF} = 2.4 \text{ AFA}$$

G. NARRATIVE/REMARKS/COMMENTS**SYSTEM DESCRIPTION - DOMESTIC:**

The Meadowlark Place Subdivision is served by four domestic wells. Each ground water well provides water for domestic service to four homes. This ground water well, referred to as Well No.1, is located in the northwest corner of Parcel 'G'. Well No.1 provides water for domestic use for four homes located on Parcels 'F', 'G', 'H', and 'I'. Currently, no home has been constructed on Parcel 'H'. Domestic use is for internal use only.

SYSTEM DESCRIPTION - IRRIGATION:

The Meadowlark Place Subdivision pressurized irrigation system provides irrigation water to the 16 parcels within the development. Surface water from the Emmett Irrigation District, which is generally available from May to September, is diverted to the pressurized irrigation system for irrigation of lawns, gardens, and landscape areas within the parcels. The surface water from the Emmett Irrigation District is the primary source of irrigation water for the development. When the Emmett Irrigation District surface water is not available, well water from the four wells is used to supplement the irrigation of lawns, gardens, and landscape areas.

OVERLAP (PLACE OF USE):

Surface water from the Emmett Irrigation District and ground water from the domestic wells are used to irrigate Parcels 'F', 'G', 'H', and 'I'.

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

CONDITION NO.4 (071) – Domestic use is for internal use for four homes and supplemental irrigation for up to ½ acre of lawn, garden, and landscaping per parcel when surface water from the Emmett Irrigation District is not available for the pressurized irrigation system.

CONDITION NO.5 (065) – Surface water from the Emmett Irrigation District is used for the pressurized irrigation system from May to September. When surface water is not available, ground water from the four wells within the development are used to supplement irrigation of lawns, gardens, and landscaping.

CONDITION NO.6 (X60) – Domestic well provides water to Parcels 'F', 'G', 'H', and 'I' of the Meadowlark Place Subdivision.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.16	&/or	N/A
Beneficial Use Limit	0.16	&/or	N/A
System Measurement	0.15(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.16		N/A

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/01 to 11/15	0.060 CFS	9.7 AFA <i>RC</i>
DOMESTIC	01/01 to 12/31	0.100 CFS	2.4 AFA
<u>Totals:</u>		0.160 CFS	11.9 AFA

2. Recommended Amendments

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

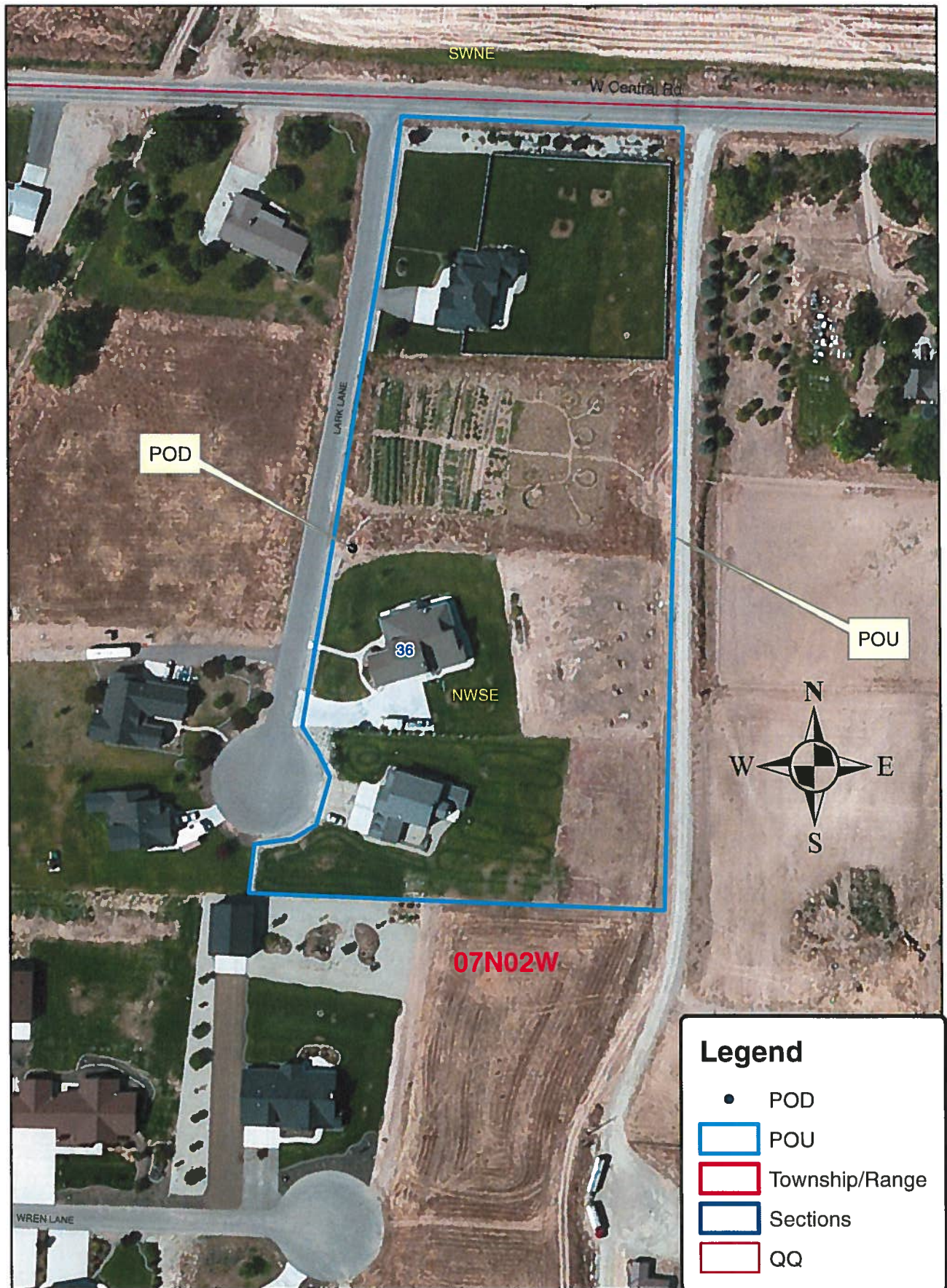
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

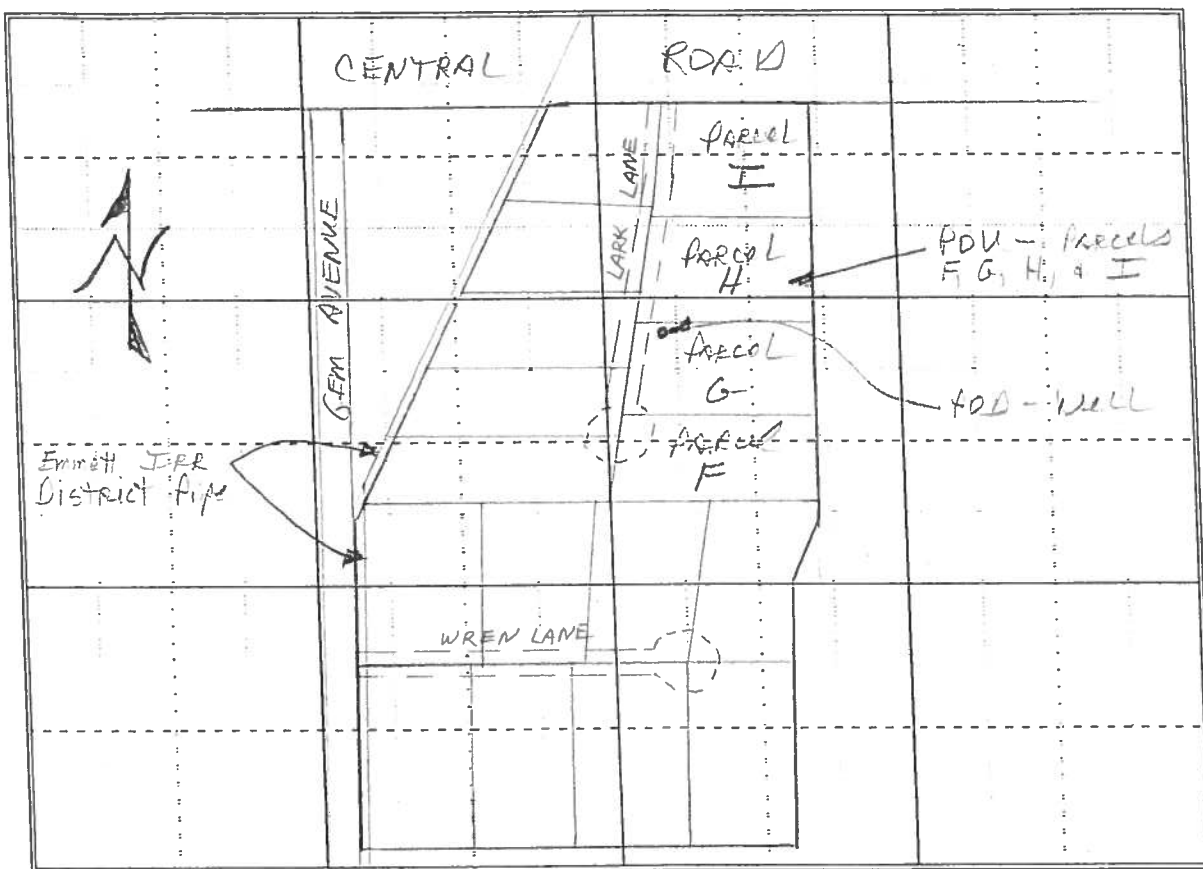
Field Examiner's Name *Rick Collingwood* Date 1/10/13

Reviewer _____ Date _____

65-22840



3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

FIELD EXAM PHOTOS

Water Right Permit: 65-22840

Field Exam Date: 6-25-12

PLS: NW1/4, SE1/4 Section 36, T.07N, R.02W.

Field Examiner: RC



Point of Diversion: View easterly of community domestic well serving Parcels 'F', 'G', 'H', and 'I'. Irrigation manhole/sump located east of well. Miscellaneous irrigation pump and distribution system components for Parcel 'H' shown near well.



Place of Use: View southeasterly of home and landscaping for Parcel 'G'.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

May 16, 2012

James D. Frisbee
1475 W. Central Road
Emmett, ID 83617

RE: Scheduling Field Exam for Water Right Permit No. 65-22840

Dear Mr. Frisbee:

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of May 29, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the use of ground water for irrigation of up to 2 acres, and domestic use associated with 4 homes.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by May 24, 2012, to conduct the exam during the week of May 29, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.
Water Resource Agent, Sr.



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GARY SPACKMAN
Interim Director

June 26, 2012

Mr. James Frisbee
1475 W. Central Road
Emmett, ID 83617

Re: Assignment of Application for Permit

Dear James:

Enclosed are four (4) copies of the Assignment of Application for Permit we discussed with you during our field examination on Monday. Since your development is comprised of sixteen (16) different property owners, each property owner would own a portion of each water right pertinent to their lot. Assigning a portion of each water right to a specific property owner would require executing sixteen Assignment of Application for Permits. However, since you created the Meadowlark Place Subdivision Homeowners Association for your development, assigning ownership of Water Right Permits 65-22839, 65-22840, 65-22841, and 65-22842 to the Meadowlark Place Subdivision Homeowners Association would eliminate the need for sixteen separate permit assignments, and would simplify future ownership changes within the development.

Please complete the enclosed Assignment of Application for Permit forms for each water right permit listed above. Also, each form will need to be notarized. The cost for filing an Assignment of Application Permit is \$25.00 for each water right permit.

If you have any questions regarding the form, please call me anytime.

Sincerely,

Rick Collingwood, P.E.
Water Resource Agent, Sr.