

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22813

Exam Date: 5/8/2014

1. Current Owner: Ron Oberleitner
6051 W IDAHO BLVD
EMMETT ID 83617
(609) 731-6536

Or

Sharon Oberleitner
6051 W IDAHO BLVD
EMMETT ID 83617
(609) 731-6536

2. Accompanied by: Sharon Oberleitner
Phone No: Same
Address: Same
Relationship to Permit Holder: Owner's

3. SOURCETRIBUTARY

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: 65-22807

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

SE1/4SE1/4

Sec. 31, Twp 07N, Rge 02W, B.M.

GEM County

Method of Determination: Arc Map (Aerial Photo); GPS – Latitude N.43°53.827', Longitude W.116°36.835'; Datum – NAD83.

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
07N 02W 31	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	2.0
																	2.0

Total Acres: 2

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

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</u> <u>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</u> <u>Size</u>
N/A	N/A	N/A	N/A	N/A	4"

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
N/A						

2. Measurements: No field measurement. Discharge to gated pipe with irregular flows through gates.

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method: (Continuity Equation – Pipes)

$$Q = VA = 5 \text{ ft/sec} \times 0.09 \text{ ft}^2 = 0.45 \text{ cfs}$$

$$V = 5 \text{ ft/sec (Assumed)}$$

$$A = 0.09 \text{ ft}^2 \text{ (4" Pipe)}$$

Appears that the artesian well can produce an adequate flow to attain the permit diversion rate of 0.16 cfs. However, since only 2.0 acres is currently irrigated, not 4.0 acres as indicated on the permit, and since the domestic use is already licensed under decreed water right 65-22807, the maximum allowable diversion rate is 0.06 cfs for irrigation. Recommend a total diversion rate for irrigation of 0.06 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: N/A

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

An artesian well discharges ground water for domestic use for two (2) homes, and irrigation of approximately 2.0 acres of field, lawn, landscaping, and garden area. The domestic use is licensed under decreed Water Right 65-22807.

FIELD IRRIGATION SYSTEM:

Ground water from the artesian well is controlled by a 4" gate valve. Irrigation water is discharged through 4" steel pipe. Water is then discharged to 6" steel gated pipe for flood irrigation of a field.

OVERLAP ANALYSIS:

Point of Diversion: Water Right Permit No. 65-22813 and Water Right 65-22807 divert ground water from the same artesian well.

Place of Use: Water Right Permit No. 65-22813 and Water Right 65-22807 have overlapping irrigation places of use for irrigation of the lawn, landscaping, and garden areas.

Have conditions of permit approval been met? X Yes

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.16	&/or	N/A
Beneficial Use Limit	0.06	&/or	N/A
System Measurement	0.45(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.06	&/or	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	9.00 AFA
	<u>Totals:</u>	0.060 CFS	9.00 AFA

2. Recommended Amendments

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

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

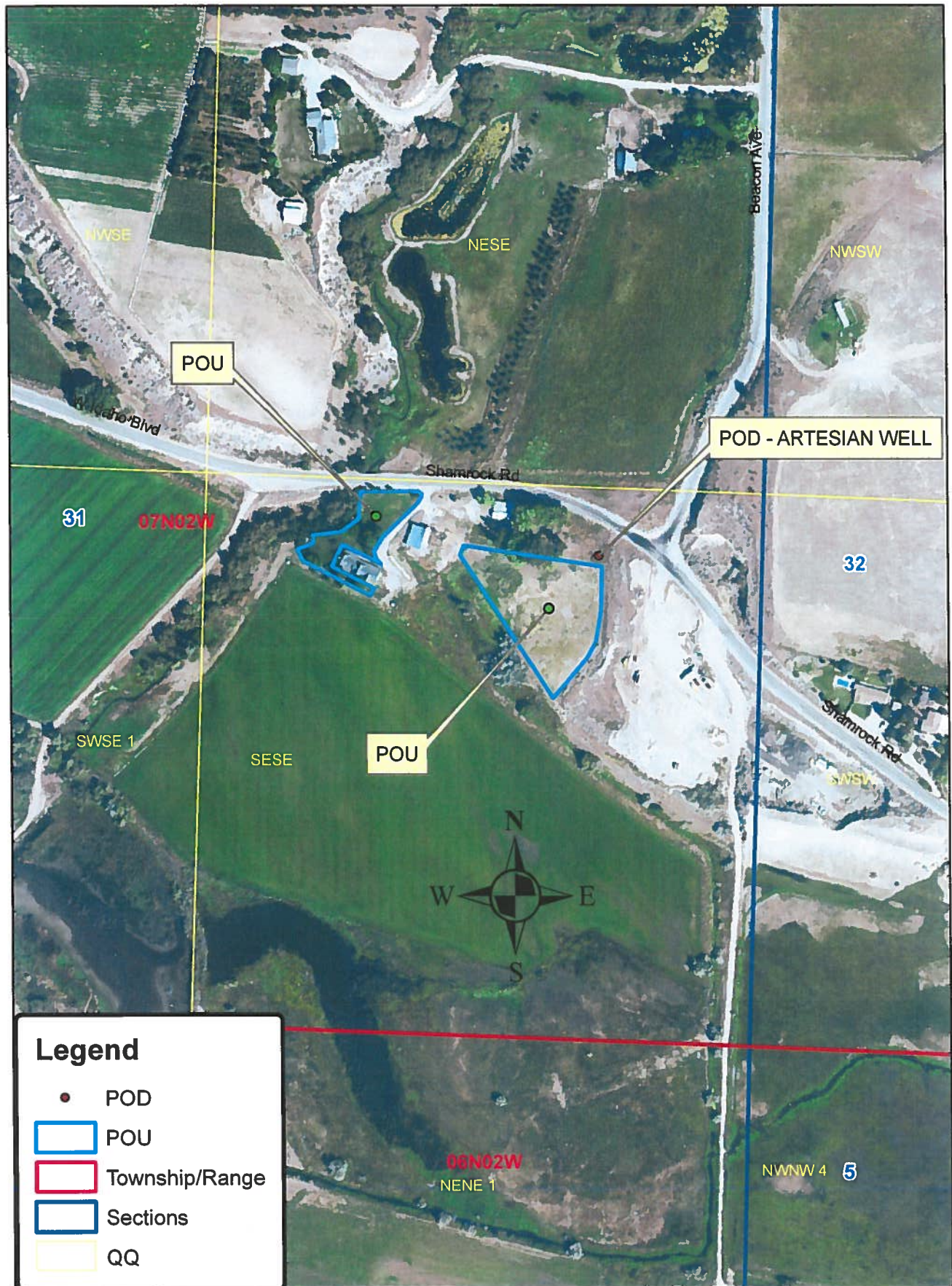
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 6/27/14

Reviewer _____ Date _____

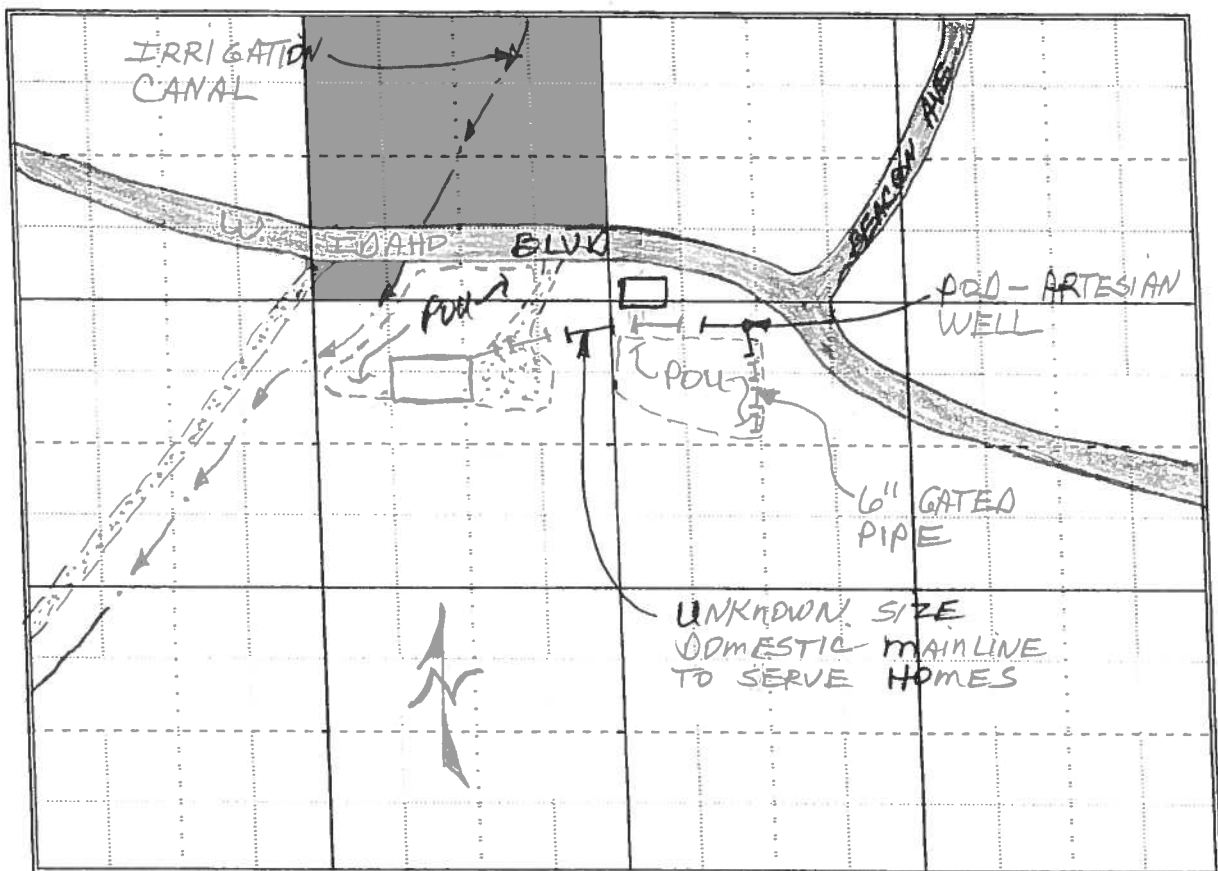
65-22813

AERIAL PHOTO - 2013



0 105 210 420 630 840
Feet

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.



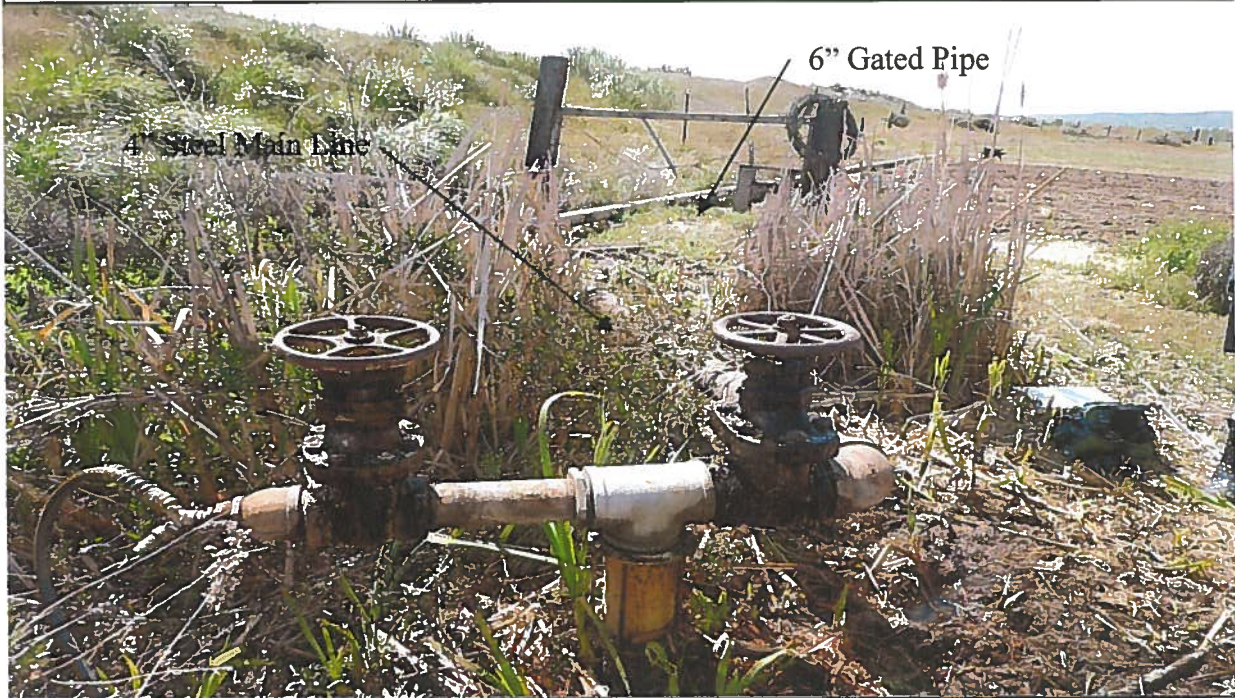
Scale: 1" = NTS

- ☐ 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: 65-22813
PLS: SE1/4, SE1/4 Section 31, T.07N, R.02W
Field Examiner: RC

Field Exam Date: 5-8-14



Point of Diversion: View southerly of the artesian well and control valves for the 4" main line discharge to the 6" gated pipe, and the hose connection. The 6" gated pipe and easterly end of the irrigated field is shown in background.



Place of Use: View southerly of the east end of a field being irrigated by a portion of the 6" gated pipe.



Place of Use: View southerly of the right holder's main home and the lawn and landscaping north of the home. The lawn, landscaping, and garden areas are irrigated with hoses and sprinklers. The hoses are attached to frost free hydrants installed along the water main line to the homes.



Place of Use: View northerly of the lawn and landscaping located north of the main home.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor
April 21, 2014

GARY SPACKMAN, Director

Terrell & Kathryn Moffis
5211 W. Floating Feather Road
Eagle, ID 83616-3211

RE: Scheduling Field Exam for Water Right Permit No. 65-22813

Dear Permit Holder:

The Idaho Department of Water Resources (IDWR) is planning to conduct water right field examinations in the vicinity of the above-referenced permit **during the week of May 5**. An examination is needed to verify water use(s) developed under the permit in order to issue a water right license.

Your permit authorizes the diversion of ground water for irrigation and domestic use for 2 homes. If you developed a beneficial use of water and still own the place of use property identified in the permit, please contact me at your earliest convenience to schedule an examination.

If you developed a beneficial use of water under the permit but no longer own the place of use property, please use the enclosed Assignment of Permit form (\$25 fee). This will allow IDWR to work with the new permit owner through the water right licensure process.

A water right license cannot be issued if beneficial use of water was not developed or if use was developed but abandoned. In either of these cases, please relinquish the permit by using the enclosed Relinquishment of Permit form (no fee required). The permit will be voided if a relinquishment form is not submitted within thirty (30) days. If you no longer own the property and do not assign or relinquish your permit, IDWR will work with the current property owner to issue a license or to void the permit.

Please contact me to schedule a field examination for a day and time that is convenient for you. **Please call me at (208) 334-2190 by May 2 to conduct the field exam during the week of May 5**. If there is a problem with scheduling or conducting the field examination at this time, please let me know so we can reschedule.

Please call me at (208) 334-2190 if you have any questions. I appreciate your attention to this matter and look forward to hearing from you.

Sincerely,

Rick Collingwood, P.E.
Staff Engineer

Enclosure: Relinquishment and Assignment of Permit Forms



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor
April 16, 2014

GARY SPACKMAN, Director

Terrell & Kathryn Moffis
6051 W. Idaho Blvd.
Emmett, ID 83617

RE: Scheduling Field Exam for Water Right Permit No. 65-22813

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Rick Collingwood, P.E.
Staff Engineer

Enclosure: Relinquishment and Assignment of Permit Forms