

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22978

Exam Date: 8/16/2007

1. Current Owner: CHARLES E MAHER
2227 PLUM ST
EMMETT ID 83617
(208)365-8495

2. Accompanied by:

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: 65-85
2. Other water rights with the same point of diversion:

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

GROUND WATER

L1 NW1/4NW1/4

Sec. 7, Twp 06N, Rge 02W, B.M.

GEM County

Method of Determination:

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	
06N 02W 7						9.0											9.0
						L 1											

Total Acres: 9

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>
D0042674	N/A	N/A	N/A	N/A	4inch line

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

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>
N/A						

2. Measurements:
0.16 cfs

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Standard means of measuring were not applicable in this exam. POD had a flexible 4inch hose that came off wellhead extending out to 10'. A 50-gallon trashcan was filled 10 times and timed. This yielded an average time of 42.3 seconds to fill the trashcan.

$$50 \text{ gal} / 42.3 \text{ sec} = 1.182 \text{ g/sec}$$

$$1.182 (60) = 70.92 \text{ gpm}$$

$$70.92 \text{ gpm} \left(\frac{1 \text{ cfs}}{448.83 \text{ gpm}} \right) = 0.158 \text{ cfs}$$

Water Right 65-22978

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (9.0) \cdot (4.5) = 40.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.16) \cdot (259) \cdot 1.9835 = 82.2$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 40.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Source of water for property is artesian well at southeastern corner of property. Measurement of 0.16 cfs was taken. Ditch running along southern edge of property delivers water to POU through flood irrigation. Water flows from southern edge of property to the northern edge. POU is 8.7 acres. When not irrigating, water is diverted to different ditch that runs along eastern edge of property that directly flows off owners property into various other ditches eventually ending up in Payette several miles away. Flexible 4inch tubing allows owner to switch water between the two ditches. Owner stated that water is left on continuously through winter to avoid freezing of diversion valve. Note that the maximum volume this right can provide given the diversion rate and irrigable acres is 40.5 AF

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>
IRRIGATION	03/01 to 11/15	0.160 CFS	
<u>Totals:</u>		0.160 CFS	

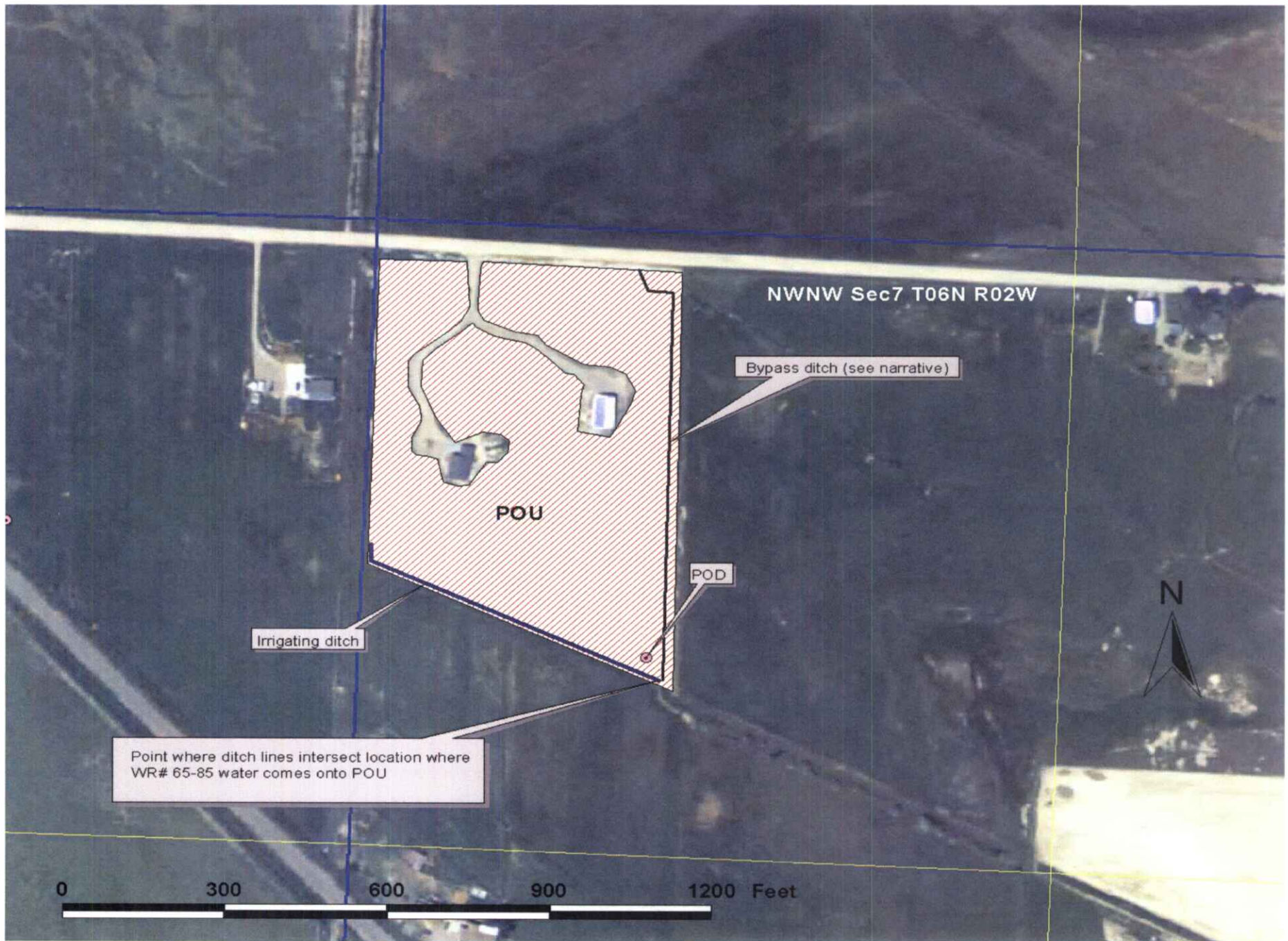
2. Recommended Amendments

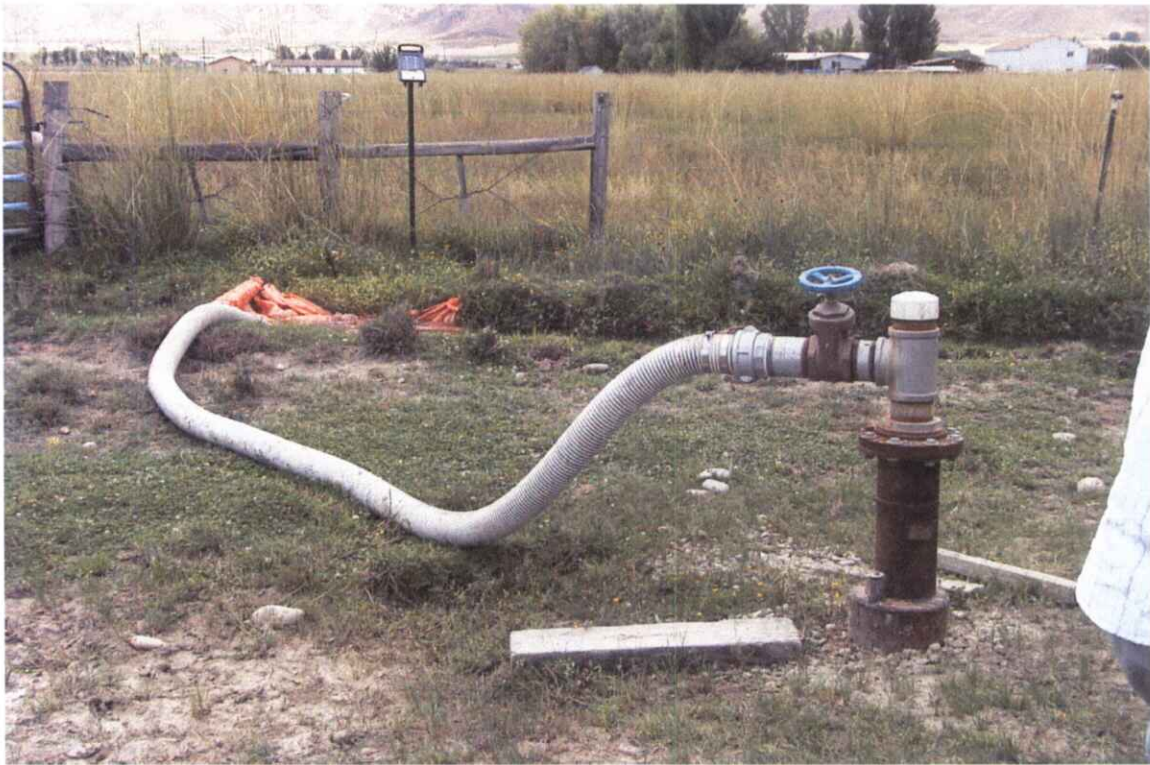
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Nick Van Dyke Date 8/16/07
 Reviewer Nick Van Dyke Date 8/28/07





- POD, LOCATED IN SE SECTION OF PROPERTY



- BACK DITCH RUNNING ALONG SOUTHERN EDGE OF PROPERTY, FLOOD IRRIGATION FROM THIS DITCH



- POU, LOOKING NORTHWEST FROM SOUTHEAST CORNER



- RUNOFF DITCH RUNNING ALONG EASTERN EDGE OF PROPERTY.
WHEN NOT IRRIGATING, WATER IS DIVERTED INTO THIS DITCH.

WHEN NOT IRRIGATING, WATER IS DIVERTED INTO THIS DITCH.

Comment Report

65-22978

1. nvandyke 8/28/2007 Field Report Narrative

Comment: Source of water for property is artesian well at southeastern corner of property. Measurement of 0.16 cfs was taken. Ditch running along southern edge of property delivers water to POU through flood irrigation. Water flows from southern edge of property to the northern edge. POU is 8.7 acres. When not irrigating, water is diverted to different ditch that runs along eastern edge of property that directly flows off owners property into various other ditches eventually ending up in Payette several miles away. Flexible 4inch tubing allows owner to switch water between the two ditches. Owner stated that water is left on continuously through winter to avoid freezing of diversion valve.

2. nvandyke 8/30/2007 POU

Comment: Updated Shape

3. nvandyke 8/30/2007 POU

Comment: Updated PLS

4. nvandyke 8/30/2007 POD

Comment: Updated shape

5. eretelle 11/3/2005 POD

Comment: Updated shape

6. eretelle 11/3/2005 POU

Comment: Updated Shape

7. scurtis 10/11/2005 Legal Notice Remarks

Comment: Applicant agrees to mitigate consumptive use in the future as needed.

8. eretelle 11/3/2005 permit review

Comment: No WD or moratorium.

No protest or overlap (in svc area of canal co, but water unavailable)

Recommend approval as suggested by IDWR Western.