

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9274

Exam Date: 8/8/2008

1. Current Owner: TERRY E OLIVER
And/Or KATHLEEN S OLIVER
1405 SAMUELS RD
SANOPOINT ID 83864
(208)263-7862
2. Accompanied by: TERRY OLIVER
Phone No: SAME AS ABOVE
Address: SAME AS ABOVE
Relationship to Permit Holder: SELF

3. SOURCE TRIBUTARY
SAND CREEK PACK RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 96-9269
2. Other water rights with the same point of diversion: 96-9269

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

SAND CREEK NE¼SE¼ Sec. 28, Twp 59N, Rge 01W, B.M. BONNER County

Method of Determination: GPS

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	
59N 01W 28			.2	1.0					24.0			27.0	25.0	39.0	38.0	32.0	186.2

Total Acres: 186.2

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>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 96-9274						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	20	92.95238095	0.7	12	35
Q =	1.328 cfs 595.8 gpm					

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 60 \times 3 = 180.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.2 \times 214 \times 1.9835 = 509.4$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 180.0 \text{ AF}$$

2. Volume Calculations for Other Uses:**G. NARRATIVE/REMARKS/COMMENTS**

THIS SYSTEM USES WATER FROM SAND CREEK FOR IRRIGATION. THIS WATER RIGHT AND WATER RIGHT 96-9269 BOTH USE THE SAME POINT OF DIVERSION AND BOTH IRRIGATE THE SAME AREA. THE PLACE OF USE IS 186.2 ACRES OF IRRIGATION. THIS PERMIT IS FOR 60 ACRES OF IRRIGATION WITHIN THAT 186.2 ACRES. WATER RIGHT 96-9269 COVERS ANOTHER 60 ACRES WITHIN THE 186.2 ACRES. THE TWO WATER RIGHTS COMBINED CANNOT IRRIGATE MORE THAN 120 ACRES OF IRRIGATION IN A SINGLE SEASON. THE PUMP IS A TRACTOR MOUNT PUMP THAT HAS 20 HP AND THE PUMP HAS A SYSTEM PRESSURE OF 35 PSI. THE WATER FLOWS THROUGH A 8 INCH MAIN LINE WITH 4 INCH RISERS EVERY 50 FEET.

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	04/01 to 10/31	1.200 CFS	180.00 AF
<u>Totals:</u>		1.200 CFS	180.00 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 [Signature] Date 12-31-08

Reviewer Bob [Signature] Date 1/26/09

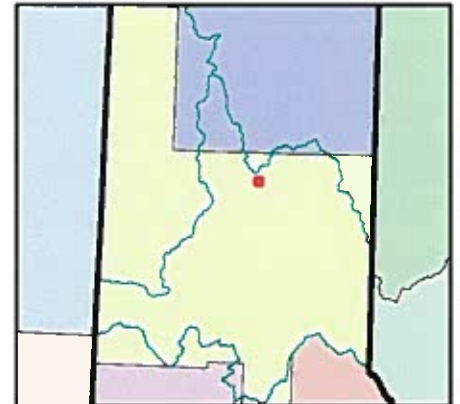


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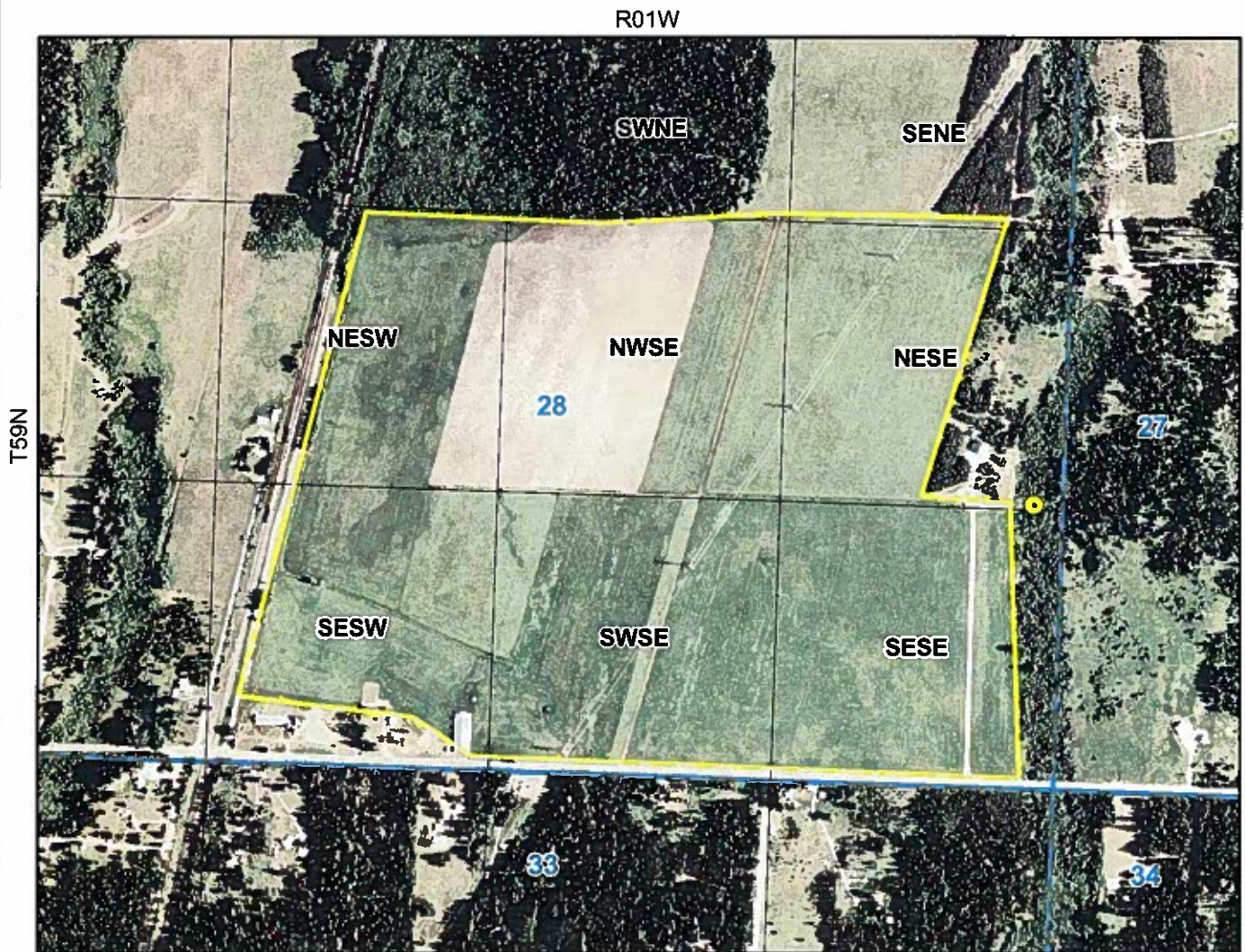
Water Right
96-9274
(IRRIGATION)

Legend

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



Bonner County
IDWR Basin 96



Prepared by Chad Goodwin
On December 31, 2008
2006 Aerial Photography

0 0.15 0.3 0.6 Miles



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IRRIGATION RISER.JPG



LINE OF IRRIGATION
RISERS.JPG



PLACE OF USE 1.JPG



PLACE OF USE 2.JPG



PLACE OF USE 3.JPG



PLACE OF USE 5.JPG



POINT OF DIVERSION AND
PUMP.JPG



SYSTEM PRESURE.JPG







