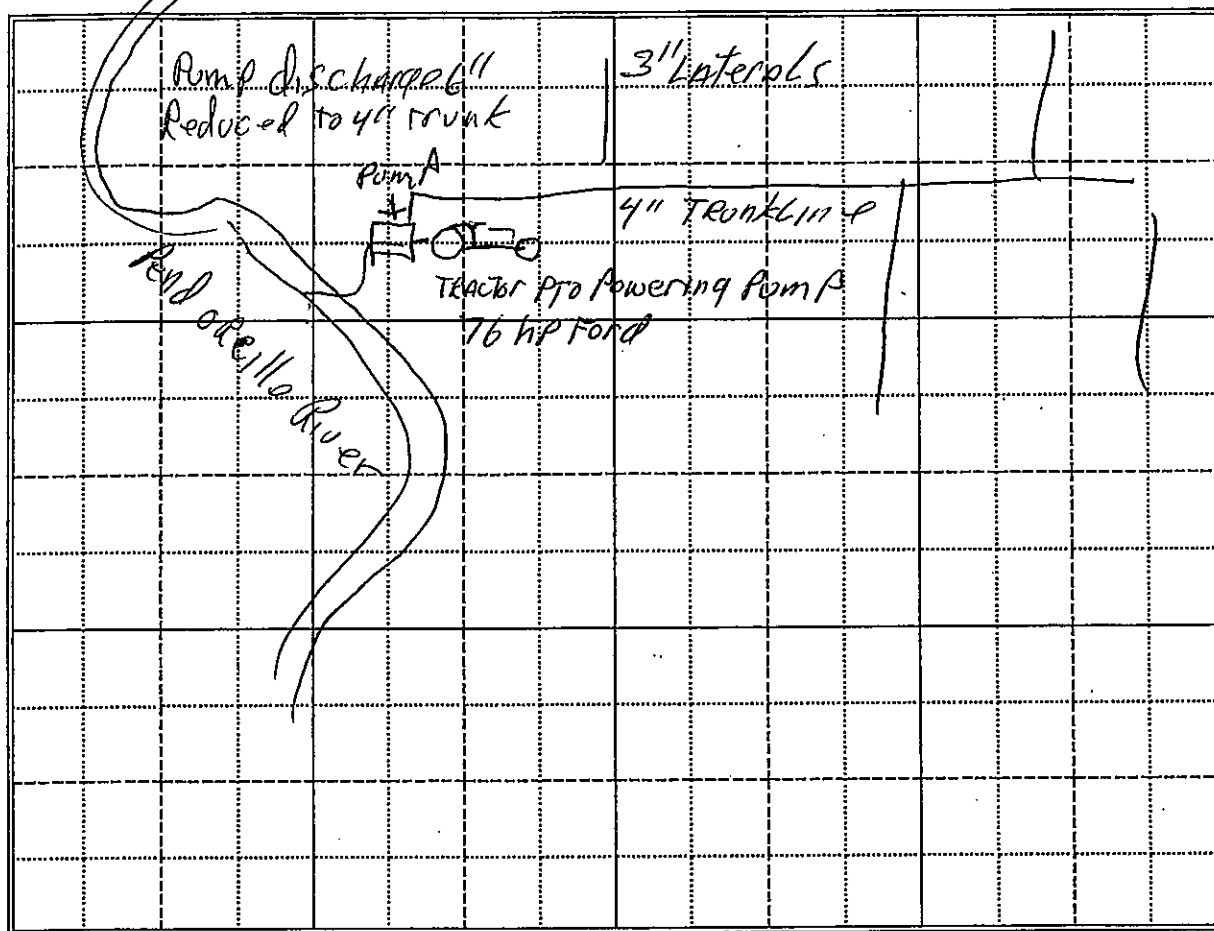


[illegible]

3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

____ 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

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Ford	76		Bauer	6"

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

E. NARRATIVE/REMARKS/COMMENTS

76 HP Ford tractor with PTO Powers the pump

This same pump and tractor are shared between 97-07326 and 97-07327

Flow meter on main trunk (97-07327) reads 260 gpm

The pump is capable of more, the system restricts the pump to 260 gpm (see attached pump equations).

At time of exam system had been put away for season.

Although pump is capable of more Mr. Days pumps at 260 gpm it is not economically possible to pump at permitted level. J

Have conditions of permit approval been met? ☒ yes ☐ no

Additional Computation Sheets Attached

Flowmeter 260 gpm
 $\frac{260 \times .133681}{60} = .57 \text{ cfs}$

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{20.6 \times 3 = 61.8}$$

$$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{0.57 \times 245 \times 1.9835 = 276.9}$$

$$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} = \underline{61.8}$$

2. Volume Calculations for Other Uses:

0.03A condition = 0.02 cfs per Acre of Irrigation
 $0.02 \text{ cfs} \times 20.6 \text{ ac} = 0.41 \text{ cfs}$

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Irrigation</i>	<i>03-15</i>	<i>11-15</i>	<i>.57</i>	<i>61.8</i>
			<i>.41</i>	<i>61.8</i>
			Totals:	<i>61.8</i>
			<i>.98</i>	

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

Field Examiner's Name Wanda Bolden Date 8-25-09

Reviewer E. J. [Signature] Date 9-15-2009

SEAL

PUMP EQUATIONS**WATER RIGHT No.****97-07326 97-07327**

	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \cdot 8.8 \cdot \text{Eff}}{H}$	76	130.6462585	0.7	15	50
Q = 3.589 cfs 1610.9 gpm					

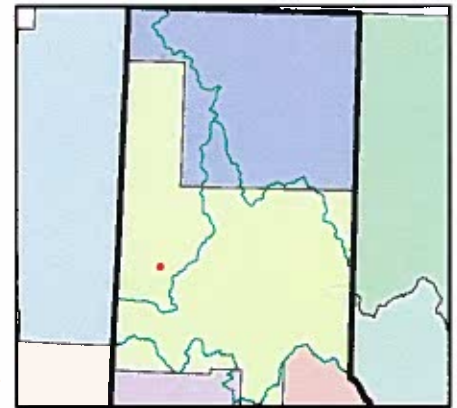


Idaho Department of Water Resources

Water Right
97-7326
(IRRIGATION)

Legend

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



Bonner County
IDWR Basin 97

R04W



Prepared by Eric Davis
On September 15, 2009
2004 Aerial Photography

0 0.05 0.1 0.2 Miles

97-7326

AN

SVC MAP

4' main
3' laterals
BAYS



97-7326

AN

IRR AREA

10 106

← BAYS





018.JPG



~~019.JPG~~



hand lines.JPG



pod (5).JPG



pou (7).JPG



pou (8).JPG



powers portable pump.JPG



pto driven pump.JPG

