

[illegible]

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

See Attached map.

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

*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
5gal Bucket						
stop watch						

2. Measurements:

$$\frac{5 \text{ gal per } 17 \text{ sec}}{60 \text{ sec}} = 17.64 \text{ gpm} \approx 0.04 \text{ cfs}$$

E. NARRATIVE/REMARKS/COMMENTS

Water supply is a spring located on Stanley Bann property T 50N, R 5W, SEC 23, NW, SW. The Lingards have a easement to this spring. The spring is approx. 1/4 mile uphill from the POU.

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

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

$$\frac{5 \text{ gal per } 17 \text{ sec}}{60 \text{ sec}} = 17.64 \text{ gpm} = 0.04 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01/01	12/31	0.04 CFS	1.2 AF
Fire Protection	01/01	12/31	0.04 CFS	—
Totals:				

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. AUTHENTICATIONField Examiner's Name Eric Davis Date 4/19/2007Reviewer Kenneth Knobloch Date 5/15/07

KENNETH KNOBLOCH

SEAL

95-9280



-  Kootenai taxlots
-  GCDB50N05W GCDB
-  Point of diversion.shp
-  Admin basin.shp
-  Place of use.shp





POD



POD