

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 37-08384

1. Owner: REID E. KANTENWEIN Phone No. 788-9776

Current Address: _____

2. Accompanied by: owner EXAM. DATE: 6-5-92

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: none

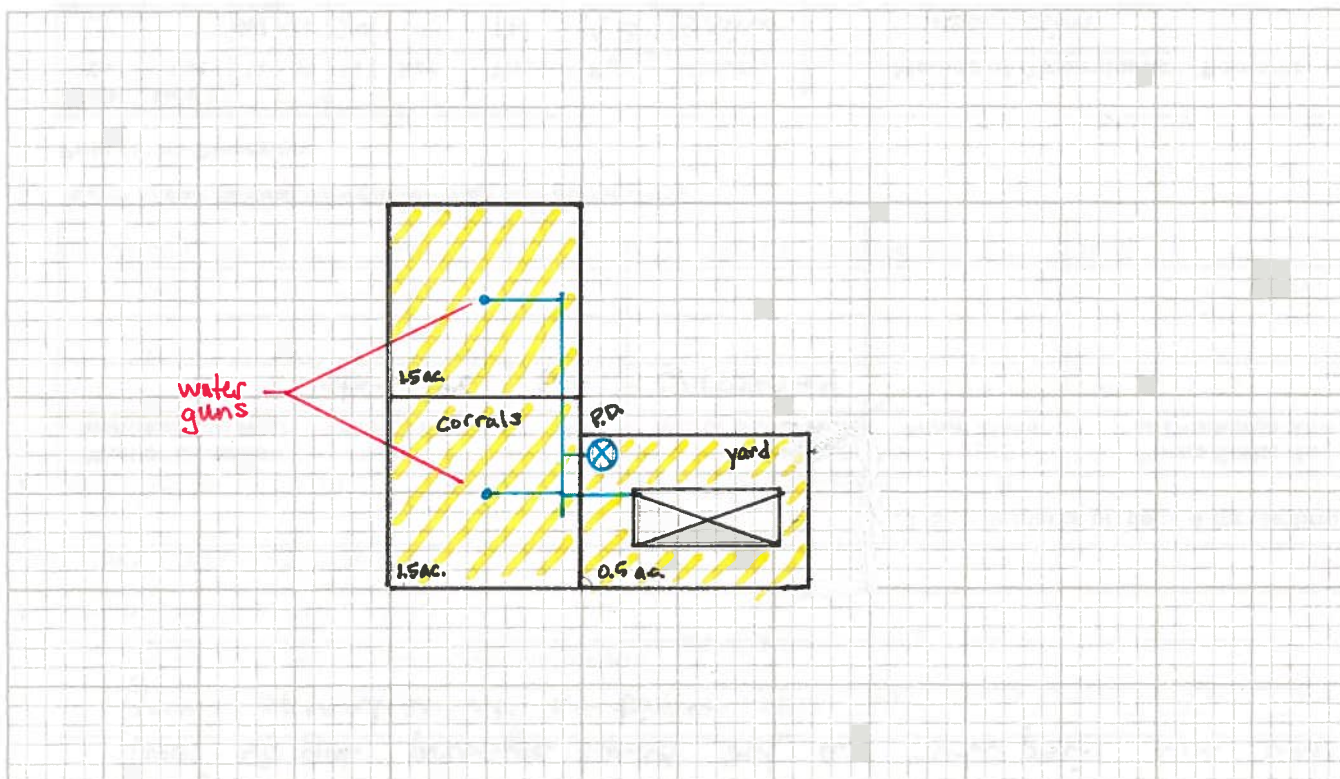
_____ ☐ Copies Attached

2. Other water rights with same point of diversion: none (application 37-8660 has been made)

_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = 250'

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required).

☒ Photo of Diversion and System Attached

(required for all but single household domestic groundwater, and stockwater.

☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Well supplies water for irrigation of horse cornals
and yard area. Also supplies water for domestic use.
Two 50 gal. pressure tanks set at 40-60 psi. one water
gun operates at a time

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	sta-rite	5.0	CP4JD20-04		

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

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	SW	SW	18	1N	19E	Blaine	inspection

6. **Place(s) of Use:**

Indicate Method of Determination

Twp.	Rge.	Sec.	NE1/4				NW1/4				SW1/4				SE1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
1N	19E	18											3.0						3.0

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.0 (3.0) = 9.0 \text{ afa.}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .24 (245)(1.98) = 102.2 \text{ afa.}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 9.0 \text{ afa.}$

2. Volume Calculations for Other Uses:

0.6 afa. Domestic

H. REMARKS AND OVERLAP REVIEW ANALYSIS

permit rate = 0.13 cfs
calculated = 0.24 cfs
(capacity exceeds permit rate)

approx. 3.5 acres irrigated land found, although
permit limits P.U. to 3.0 ac.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
irrigation	4/01	11/01	0.09	9.0
domestic	1/01	12/31	0.04	0.6
Totals:			0.13	9.6

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

J. AUTHENTICATION

Field Examiner's Name

BRIAN W. BLACK

Signature

Brian Black

Certification Date

Field Report Preparation Date

6-26-92

CONSULTANT SEAL

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

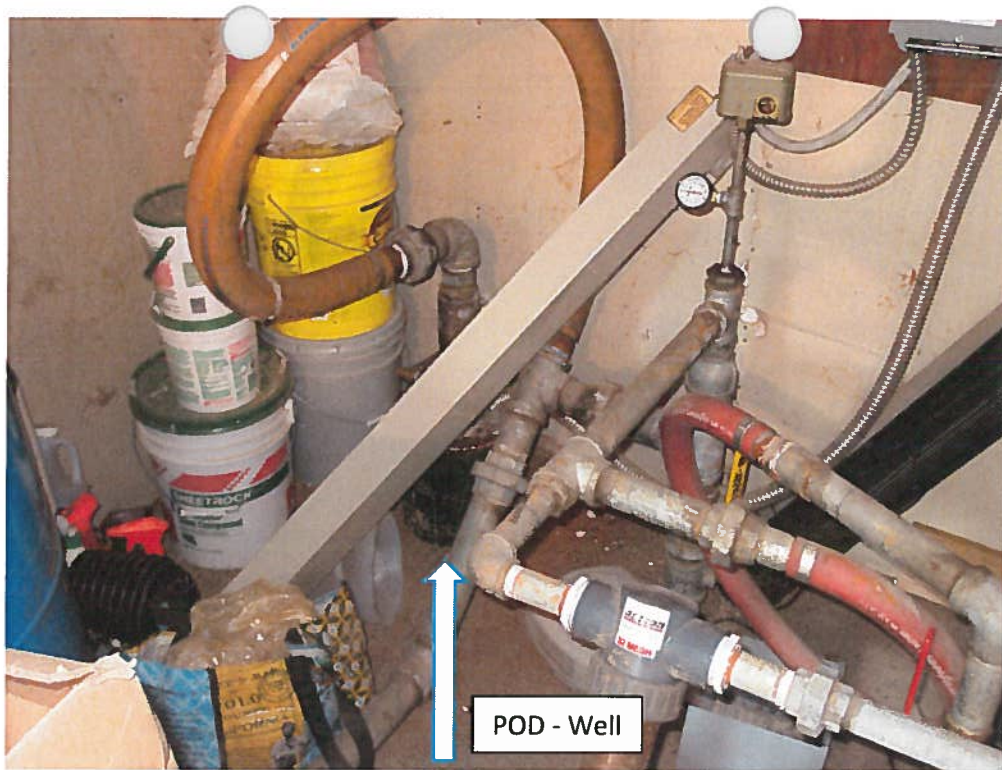
37-08384

P/M →
yard/
home



P/M →
corrals





Well – located in well house adjacent to horse barn

Trees on Benson property



Field exam: 37-8384



Irrigated trees and lawn



Field exam: 37-8384



Irrigated trees



Field exam: 37-8384



Pasture irrigation system



Field exam: 37-8384

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Reid Kantanavin

Address Bellevue Ida

Owner's Permit No.

2. NATURE OF WORK

3. PROPOSED USE

4. METHOD DRILLED

5. WELL CONSTRUCTION

7. WATER LEVEL

8. WELL TEST DATA

9. LITHOLOGIC LOG

10.

6. LOCATION OF WELL

11. DRILLERS CERTIFICATION

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