

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-8082

Exam Date: 6/5/2008

1. Current Owner: DIANE J PARK
N 18815 MILWAUKEE RD
RATHDRUM ID 83858

And/Or

CHESTER A PARK
N 18815 MILWAUKEE RD
RATHDRUM ID 83858
(208)457-2106

2. Accompanied by: CHESTER A PARK

Phone No: (208)457-2106

Address: SAME

Relationship to Permit Holder:

3. SOURCE

RATHDRUM CREEK

TRIBUTARY

SINKS

B. OVERLAP REVIEW

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

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

RATHDRUM CREEK

NW1/4NW1/4

Sec. 20, Twp 52N, Rge 04W, B.M.

KOOTENAI County

Method of Determination: **MAP**

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	
52N	04W	17											.2	.2					.4
52N	04W	20					6.3	9.3											15.6

Total Acres: 16

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</u> <u>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</u> <u>Size</u>
	US - motor	4.2	46	Ingersoll-Rand	No. 81525970
					Size 2CRVL

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>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 Tag : 110 gpm @ 105 FT Head.

$$\frac{(8.8)(4.2hp)(0.7)}{105' \text{ head}} = 110.8 \text{ gpm} = 0.247 \text{ cfs}$$

Total = 0.25 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 16ac \times 3AF = 48AF$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.25cfs \times 246days \times 1.9835 = 121.9AF$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \boxed{48AF} \text{ TOTAL}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Needs Amendment for P.U. The QQ is in NE/WW, NW/NW, SW/SW, SE/SW / S2N 4W SEC 20 / S2N, 04W, SEC 17

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	03/15 to 11/15	0.200 CFS	48.00 AF
<u>Totals:</u>		0.200 CFS	48.00 AF

2. Recommended Amendments

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

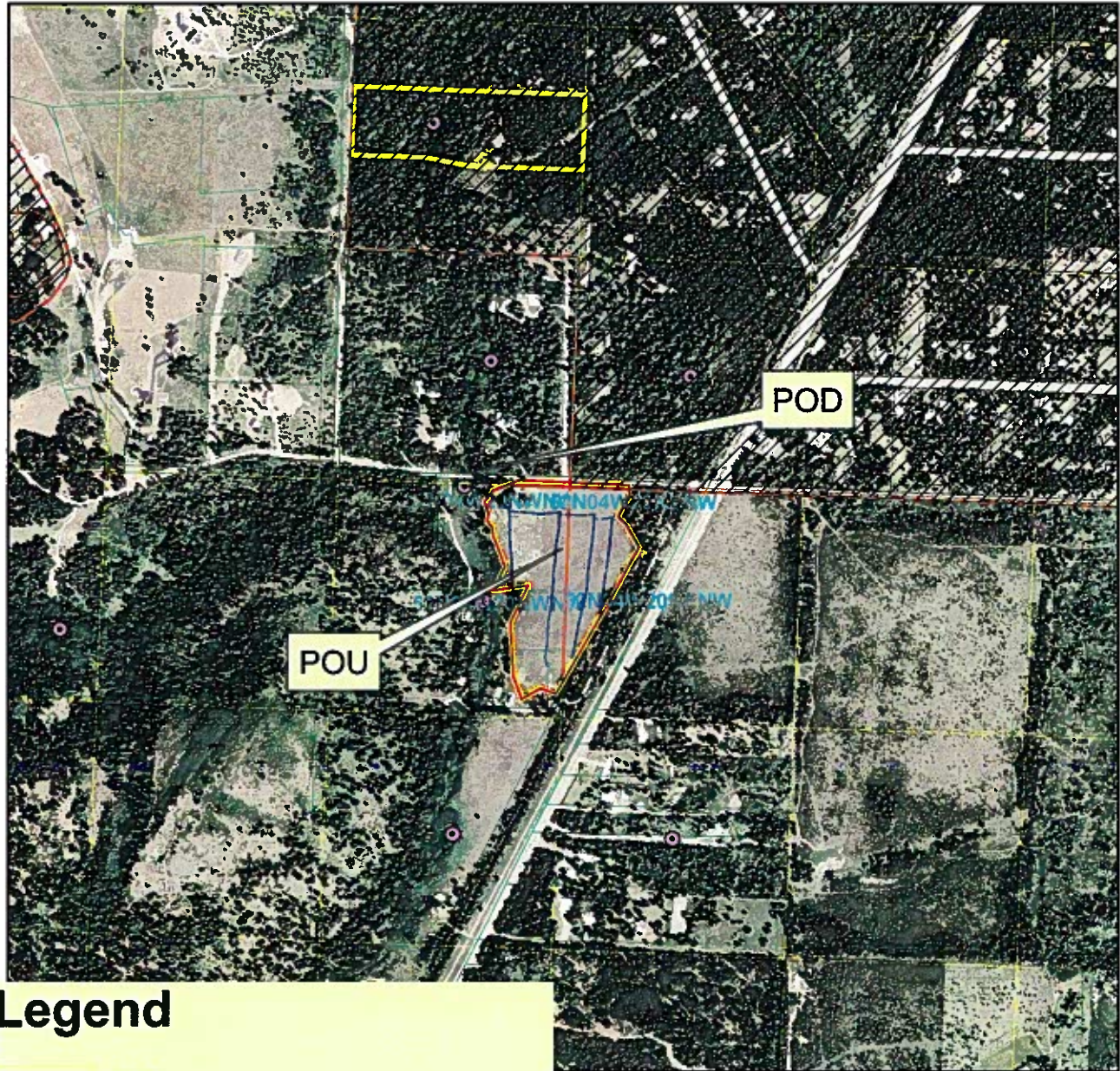
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name *Eric A. Davis* Date *6-9-2008*

Reviewer *[Signature]* Date *8/15/8*

SYSTEM DIAGRAM



Legend

- QQ
- Intersected POU 95-8082
- place of use
- Right POD

0 310 620 1,240 1,860 2,480 Feet





Legend

-  QQ
-  Intersected POU 95-8082
-  place of use
-  Right POD

[illegible]



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IRR LINE.JPG



IRRIGATION.JPG



MOTER.JPG



POD.JPG



POU.JPG



PUMP SYS.JPG



PUMP TAG_.JPG

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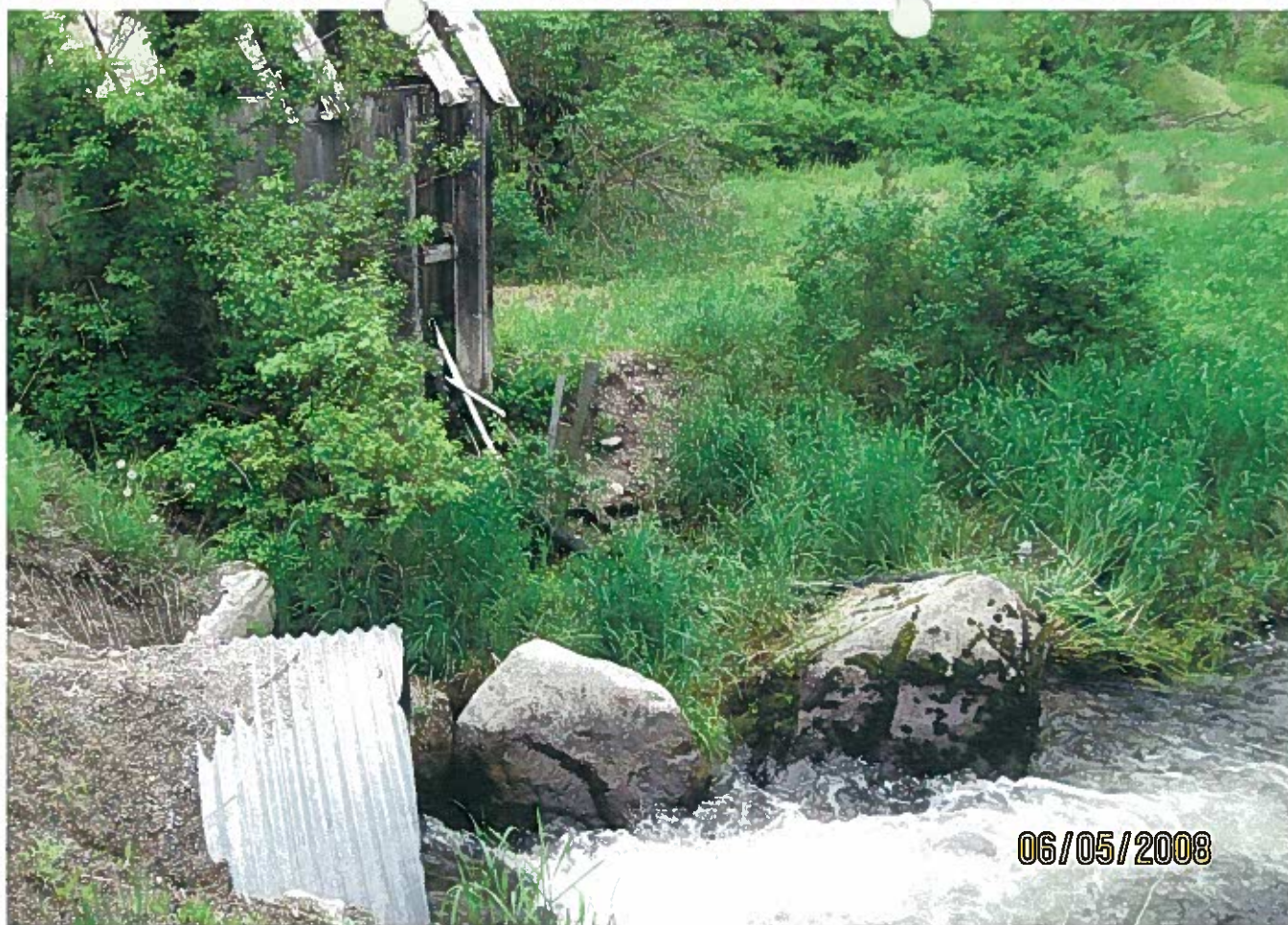
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