

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9070

Exam Date: 9/16/2008

1. Current Owner: THOMAS R DE TAR
3135 S SCHILLING LP
POST FALLS ID 83854-4703
(208)777-7156
2. Accompanied by: THOMAS DE TAR
Phone No: SAME AS ABOVE
Address: SAME AS ABOVE
Relationship to Permit Holder: SELF

3. SOURCE

SPRING
UNNAMED STREAM

TRIBUTARY

UNNAMED STREAM
SPOKANE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

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

SPRING NE¼SE¼SW¼ Sec. 10, Twp 50N, Rge 05W, B.M. KOOTENAI County

UNNAMED STREAM SE¼SW¼ Sec. 10, Twp 50N, Rge 05W, B.M. KOOTENAI 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	
50N 05W 10												5.0					5.0

Total Acres: 5

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

*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: 5 heads 9/64 nozzle 42 PSI

5 x 3.74 gpm
18.7 gpm
0.04 cfs

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

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

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5 \times 3 = 15$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \times 246 \times 1.9835 = 19.5$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 15 \text{ AF}$$

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

THIS SYSTEM HAS 2 POINTS OF DIVERSION ONE IS FROM A UNNAMED STREM AND THE OTHER IS FROM A SPRING. THEY BOTH GRAVITY FLOW INTO A CYSTERN WHERE THERE IS A 1.5 HP PUMP THAT PULLS WATER OUT FOR IRRIGATION. THE IRRIGATION SYSTEM HAS 5 SPRINKLERS WITH 9/64 NOZZELS. A MEASUREMENT OF 42 PSI NOZZEL PRESSURE WAS TAKEN DURING THE FIELD EXAM.

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	0.040 CFS	15.00 AF
<u>Totals:</u>		0.040 CFS	15.00 AF

2. Recommended Amendments

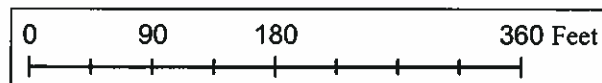
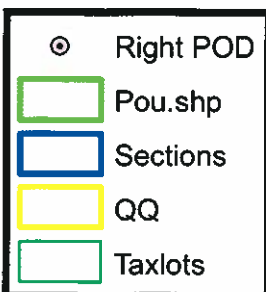
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

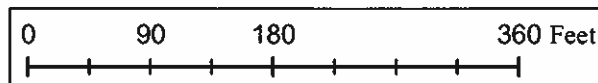
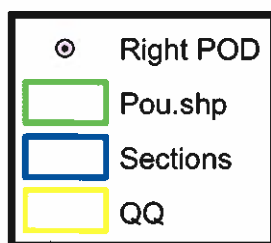
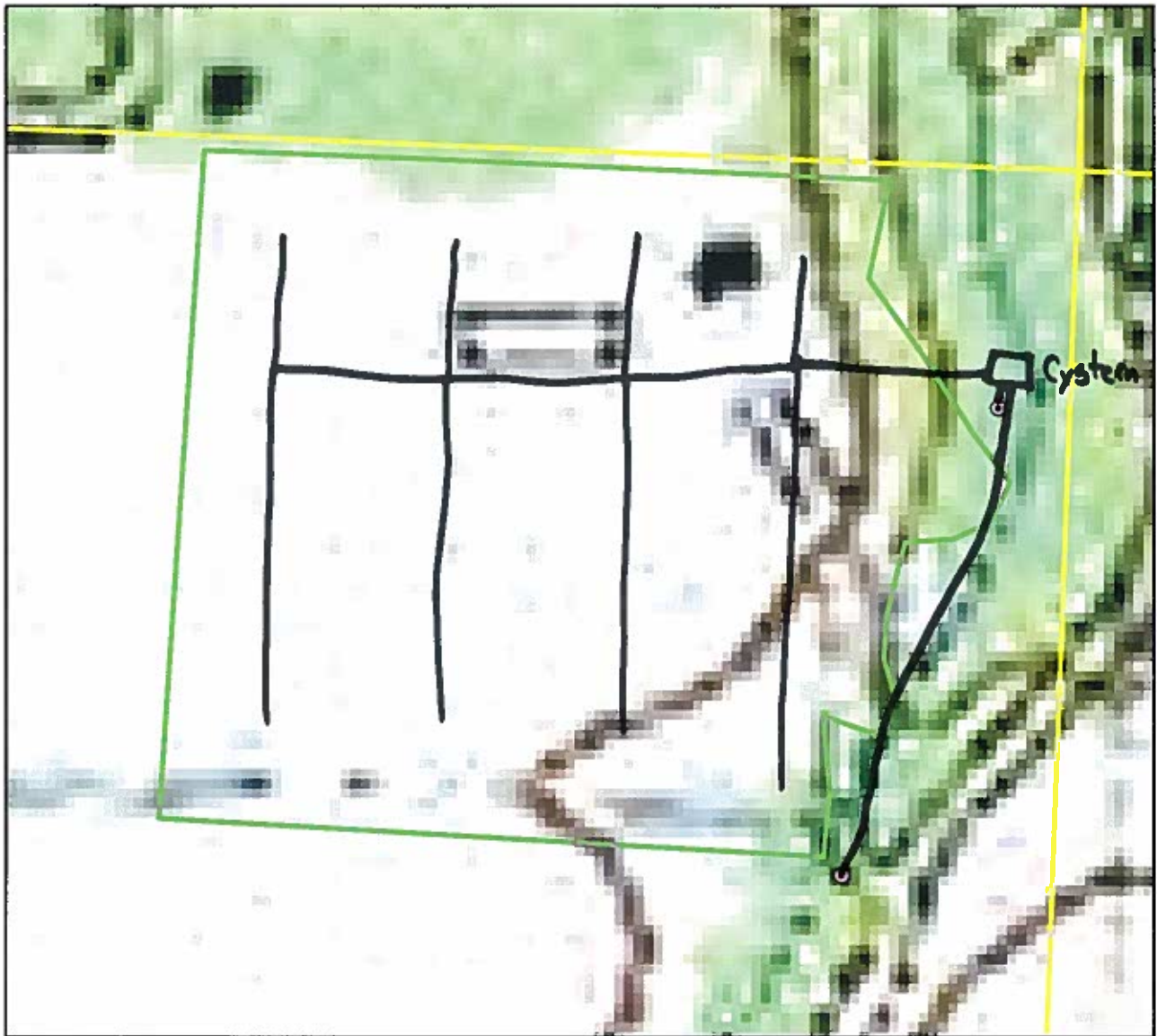
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name [Signature] Date 9-17-08
 Reviewer [Signature] Date 10/2/8

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CYSTERN
OVERFLOW.JPG



PLACE OF USE 1.JPG



PLACE OF USE 2.JPG



PLACE OF USE 3.JPG



PLACE OF USE 4.JPG



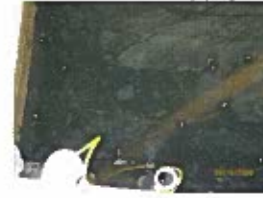
PLACE OF USE 5.JPG



PLACE OF USE 6.JPG



PSI OF ONE
SPRINKLER.JPG



PUMP IN CYSTERN.JPG



PUMP INFROMATION.JPG



SPRING POINT OF
DIVERSION.JPG



SYSTEM IN USE.JPG



UNNAMED STREAM POINT
OF DIVERSION.JPG

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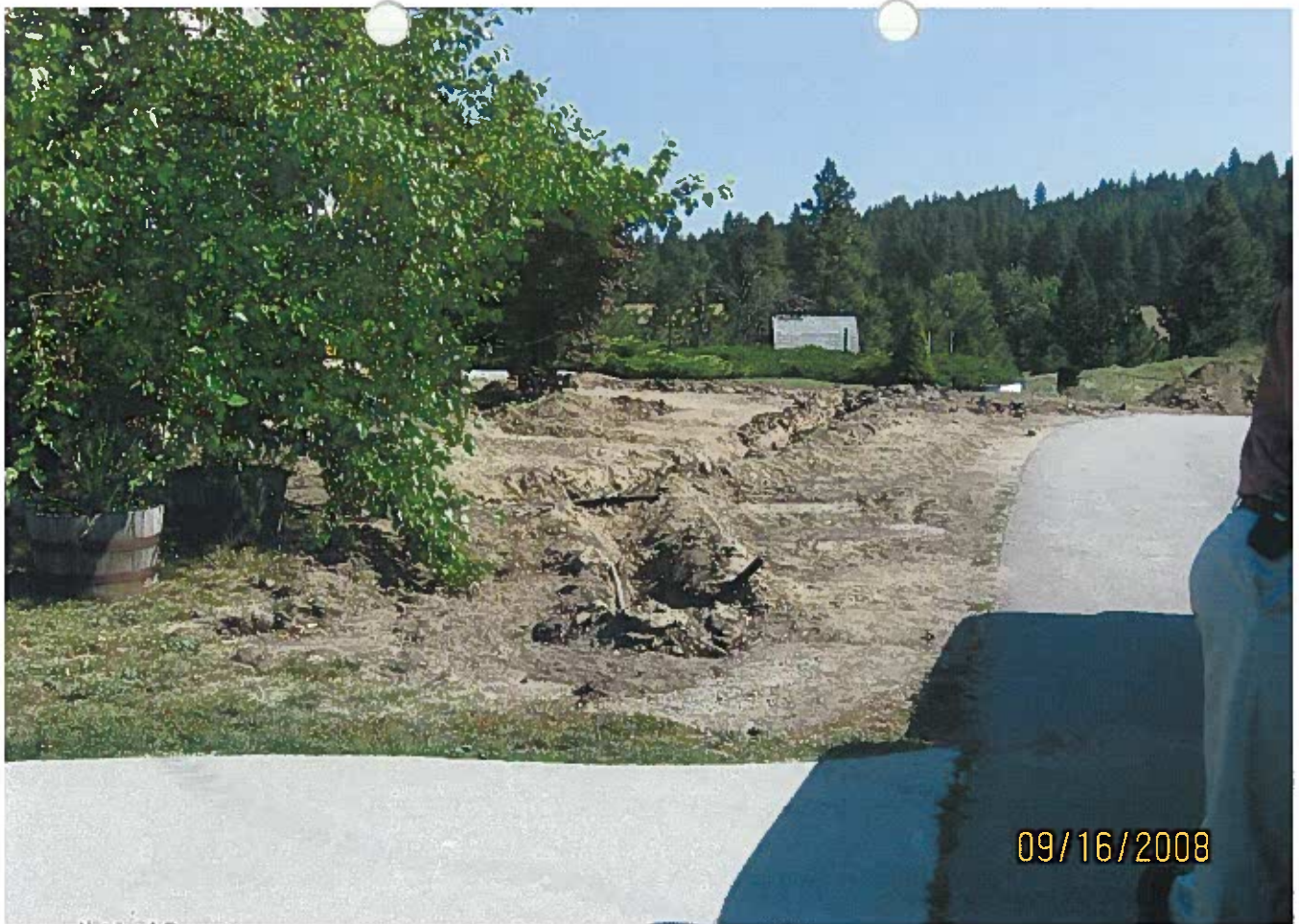


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