

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9172

Exam Date: 7/31/2007

1. Current Owner: NORTH IDAHO FAIR & RODEO
PO BOX 2437
COEUR D ALENE ID 83815
(208)765-4969
2. Accompanied by: JON JOHNSON
Phone No: SAME AS ABOVE
Address: SAME AS ABOVE
Relationship to Permit Holder: EMPLOYEE

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-7181, 95-8565, 95-8647, 95-8672, 95-8938, 95-9007, 95-2111, 95-2133, 95-2198, AND 95-7142 THESE ARE ALL CITY OF COEUR D ALENE MUNICIPAL WATER RIGHTS.
2. Other water rights with the same point of diversion: NONE

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

GROUND WATER

L6 NE1/4SE1/4

Sec. 35, Twp 51N, Rge 04W, 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	
51N 04W 36											28.0	.2					28.2

Total Acres: 28.2

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>
000 28286	U/K	25	U/K	U/K	U/K
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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 EQUATIONS					
WATER RIGHT No.			95-9172		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \times 8.8 \times \text{Eff}}{H}$	25	378.4693878	0.7	205	75
Q = 0.408 cfs 182.9 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 28.2 \times 3 = 84.6 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .33 \times 246 \times 1.9835 = 161 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 84.6 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES GROUND WATER FOR IRRIGATION. THE PLACE OF USE IS THE NORTH IDAHO FAIR AND RODEO GROUNDS. THE WELL HAS A 25 HP PUMP AND THE WELL TAG NUMBER IS D0028286.

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	0.330 CFS	84.60 AF
<u>Totals:</u>		0.330 CFS	84.60 AF

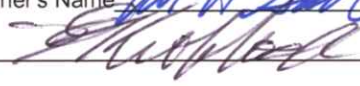
2. Recommended Amendments

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

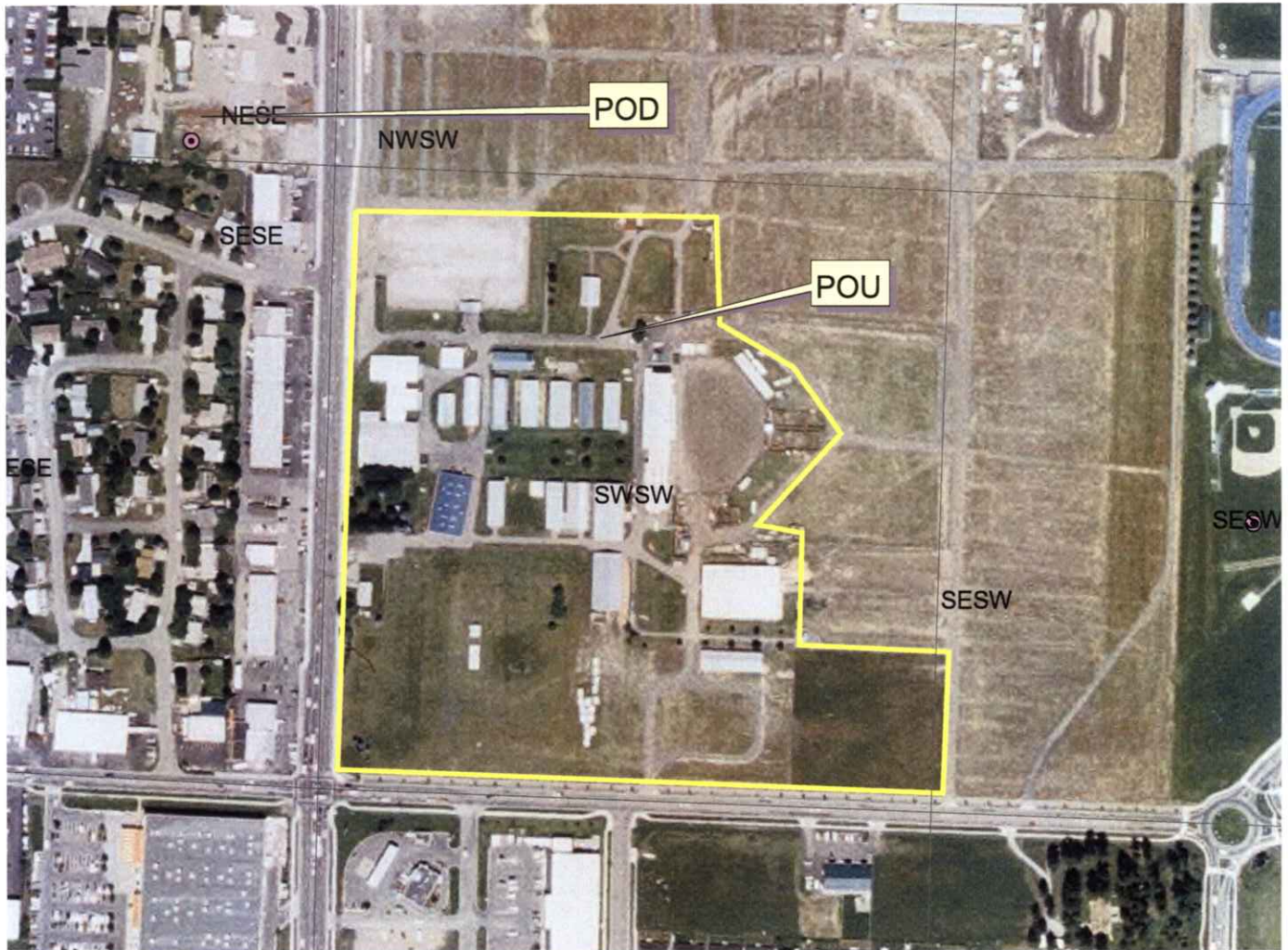
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name  Date 9-13-07

Reviewer  Date 9/20/7

95-9172



0.1 0 0.1 0.2 Miles

-  GCDB51N04W GCDB
-  GCDB50N04W GCDB
-  Right POD
-  Pou.shp
-  Pod.shp
-  Administrative BasinsAdminbas.shp





PLACE OF USE 1



PLACE OF USE 2



PLACE OF USE 3



PLACE OF USE 4



POINT OF DIVERSION



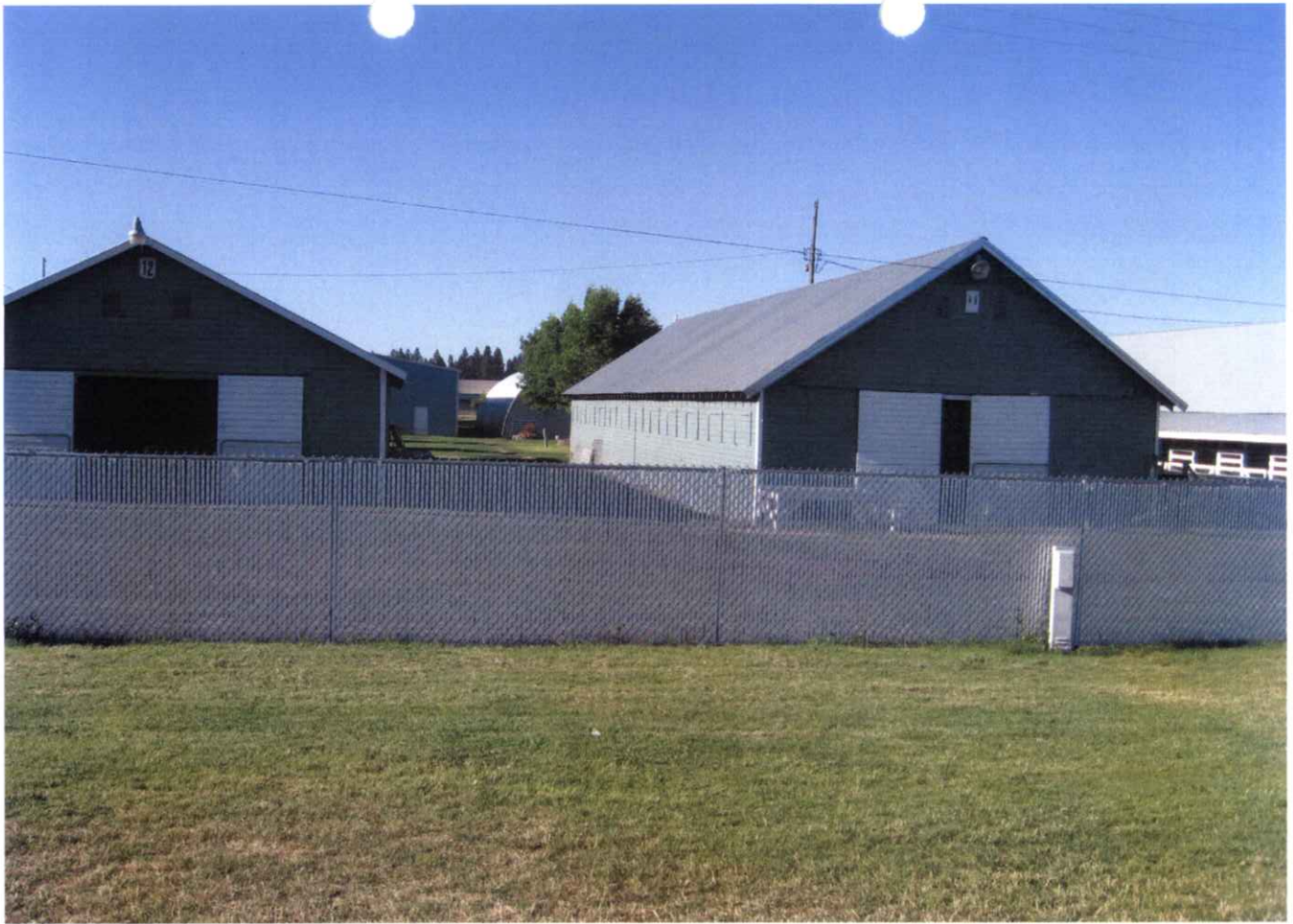
WELL TAG

95-9172



95-9172





95-9172





95-9172

