

Permit No: 21-7113

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

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DEPARTMENT OF
WATER RESOURCES

A. GENERAL INFORMATION

Permit No: 21-7113

Exam Date: 3/15/2005

F.E. 6/2004

1. Current Owner: IDAHO AGRICULTURAL CREDIT ASSN
PO BOX 386
REXBURG ID 83340-0386
(208)356-5479

2. Accompanied by: Rudy Stammen came to the office
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 22-7267B
2. Other water rights with the same point of diversion: 22-7267B

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

SW1/4SE1/4

Sec. 3, Twp 07N, Rge 43E, B.M.

FREMONT 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	
07N	43E	2			40.0	40.0					39.0	40.0	40.0	40.0	40.0	39.0	39.0		357.0
07N	43E	3													39.0	39.0	40.0	40.0	158.0
07N	43E	10	40.0	40.0	40.0	36.0													156.0
07N	43E	11		20.0			33.0	33.0	4.0										90.0

Total Acres: 761

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 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 Size</u>
	GE	600		peerless	
	Marathon	150	Froster		

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

D. FLOW MEASUREMENTS

1.

<u>Measurement 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:

$$16 - \frac{1}{4} \text{ mile handlines} \times 32 \text{ birds} \times 5_{\text{gpm}} = 2560 \text{ gpm}$$

$$5.70 \text{ cfs}$$

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

$$\text{PSI} = 60 \text{ lbs} - 70 \text{ PSI}$$

$$\text{cfs} = \frac{(750 \text{ hp} \times 6.16)}{500' + 2.31(60)} = 7.25 \text{ cfs}$$

8/2005

running one pivot and end guns at 950 gpm
 plus 9 handlines at 6 gpm (bucket & stopwatch)

$$9 \times 32 \times 6 = 1728 + 950 = 2678 / 448.83 = 5.97 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 185 \times 3.5 = 647.5 \text{ AF/A}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 647.5 \text{ AF/A}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

well/pump to sprinkler system. 600 hp Ge motor /peerless pump and 150 hp marathon booster.
 rudy/jack steinman farm this pou. used with 22-7267B which needs to be renumbered.
 totalizing meter on the system.

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	04/01 to 10/31	2.770 CFS	647.50 AF
<u>Totals:</u>		2.770 CFS	647.50 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 DAVE CARLSON Date 3/15/2005
 Reviewer _____ Date _____



21-7113 POD DC 6/2004

21-7113 POD/POU

