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Page 1 DEPARTMENT OF
WATER RESOURCES

Permit No: 25-7545

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-7545

Exam Date: 4/11/2005

1. Current Owner: RUSSELL SCHWENDIMAN
PO BOX 608
RIRIE ID 83443-0608
(208)538-7493

And

IDAHO AG CREDIT
PO BOX 608
RIRIE ID 83443

2. Accompanied by: *Talked to Russell Schwendiman*
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCETRIBUTARY

GROUND WATER

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 SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:GROUND WATER SE1/4SW1/4
BONNEVILLE County

Sec. 22, Twp 03N, Rge 39E, B.M.

Method of Determination: *GPS/FE*

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
03N 39E 22											13.0	14.0			21.0	12.0	60.0
03N 39E 27	38.0	40.0	32.0	22.0	37.0	22.0	36.0	40.0	28.0	22.0							317.0

Total Acres: 377

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 Motors Holloshaft	400hp		Vertiline	WELL	
US Elec Motors	100hp		Layne Bowler	BOOSTER	
US Elec Motors	125hp		Vertiline	BOOSTER	

*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:

operating 3 Large pivots with ead guns
at 3525 gpm or 7.82 cfs.

2002 sonic meter of two of the pivots -

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

$$\text{Theor. cal} \quad \frac{625 \times 6.16}{350 \times 50(2.31)} = \frac{3850}{465.5} = 8.27 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 377 \times 4 = 1508 \text{ AF/A}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 3200 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1508 \text{ AF/A}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

well/pump to 4 pivots 400 HP us motors holloshaft/vertiline pump with a 100HP us electrical motors high thrust/layne bowler booster and a 125HP us electrical motor/layne bowler booster.

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	7.540 CFS	1,508.00 AF
<u>Totals:</u>		7.540 CFS	1,508.00 AF

2. Recommended Amendments

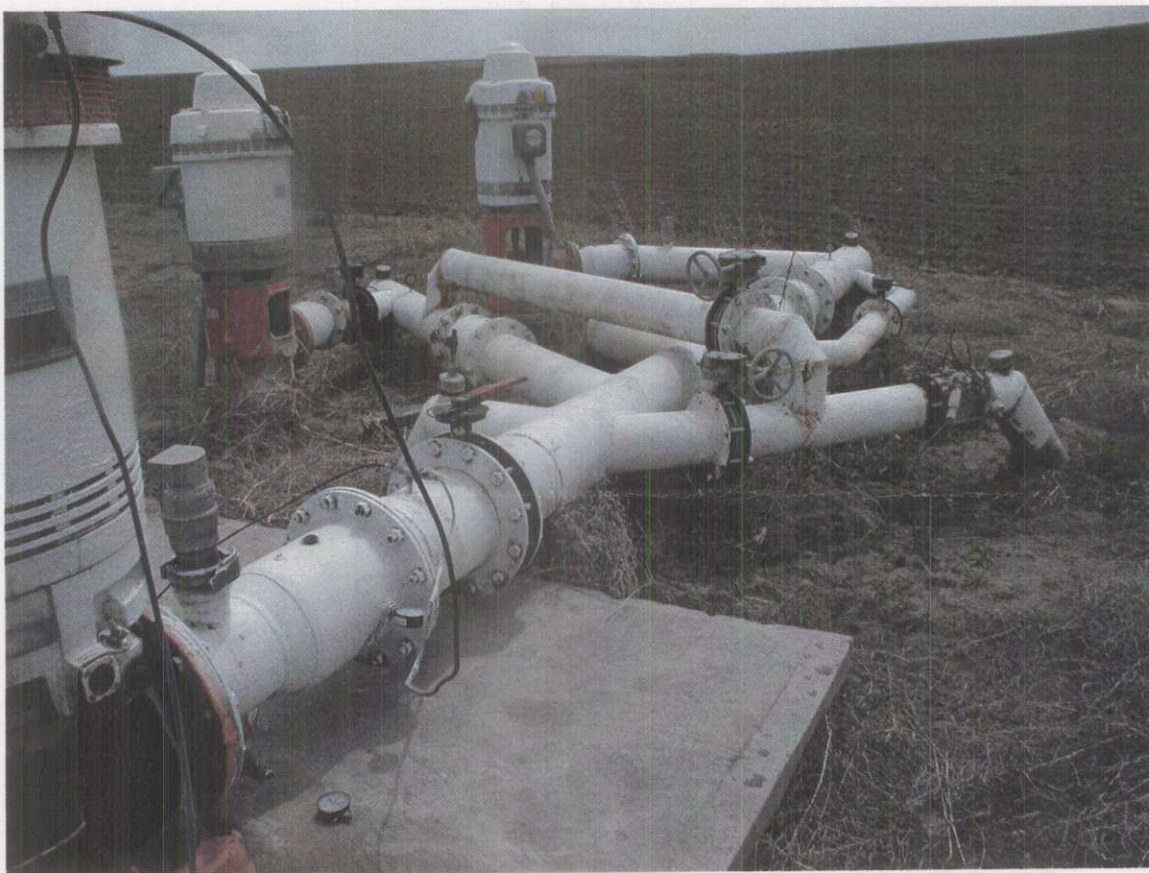
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

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

I. AUTHENTICATION

Field Examiner's Name DAVE CARLSON Date 4/11/2005

Reviewer _____ Date _____



25-7545

DC 2002

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