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JUN 07 2004

DEPARTMENT OF
WATER RESOURCES

Permit No: 22-7262

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-7262

Exam Date: 6/2/2004

1. Current Owner: VALLEY BANK
501 BROADWAY
IDAHO FALLS ID 83401

] old owners

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

Mike Ivey - hired man

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

Sec. 13, Twp 05N, Rge 45E, B.M.

TETON County

Method of Determination:

GPS

2.

PLACE OF USE:

IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
05N 45E 13	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	158.0
05N 45E 14													39.0	27.0	35.0	40.0	141.0

Total Acres: 299

STOCKWATER same as IRRIGATION

New owners: The Allen Ball and Connie Ball

Living Trust

5465 S 5th W

Idaho Falls, Id 83404

523-2997

Adjudication claim filed.

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	125	DNJ406111	Johnston	

*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:

Sonic meter on the 2 pivots = 1700 gpm

3 handlines x 336 inlets x 5 gpm = 500 gpm

E. FLOW CALCULATIONS

Measured Method:

total 2200 gpm or 4.90 cfs

surface water/canal shares used on adjacent property.

Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 299 \times 3.5 = 1046.5$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1046.5$$

2. Volume Calculations for Other Uses:

$$\text{stockwater } 700 \text{ cattle } \overset{\text{range}}{\text{cattle}} = 9.4$$

G. NARRATIVE/REMARKS/COMMENTS

well/pump to 2 pivots and handlines in the corners. 125 HP GE motor sn dnj406111/ johnston pump.
sonic meter on two pivots showed 1700 gpm. handlines 3 X 33 birds X 5 gpm=500 gpm
total 2200 gpm or 4.90 cfs.
No canal/surface water used on this ground. Well runs through irrigation season.
700 cattle can be water from well with portable troughs.

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>
STOCKWATER	01/01 to 12/31	0.120 CFS	9.40 AF
IRRIGATION	04/15 to 10/31	4.900 CFS	1,046.50 AF
<u>Totals:</u>		4.900 CFS	1,055.90 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

6/2/2004

Reviewer

Date



22-7262

DC 2003

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