

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-13466

Exam Date: 8/22/2012

1. Current Owner: COUNTY OF BANNOCK
FAIRGROUNDS
PO BOX 4055
POCATELLO ID 83205
(208)237-1340

2. Accompanied by:

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:
2. Other water rights with the same point of diversion:

29-7329, 7972

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

L5 SW1/4NW1/4

Sec. 12, Twp 06S, Rge 34E, B.M.

BANNOCK County

Method of Determination:

AIR PHOTOS/GPS

- 2.

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06S 34E 12							X	X	X	X							
							L 5	L 6	L 11	L 12							

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

*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 AT 1.89 CFS

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

dust control estimated at 20 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

well/pump to water trucks for dust control at the fairgrounds.
125 HP ge motor measured in 1995 at 1.87 CFS polysonic meter.

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>
COMMERCIAL	01/01 to 12/31	1.780 CFS	20 af
<u>Totals:</u>		1.780 CFS	20 af

2. Recommended Amendments

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

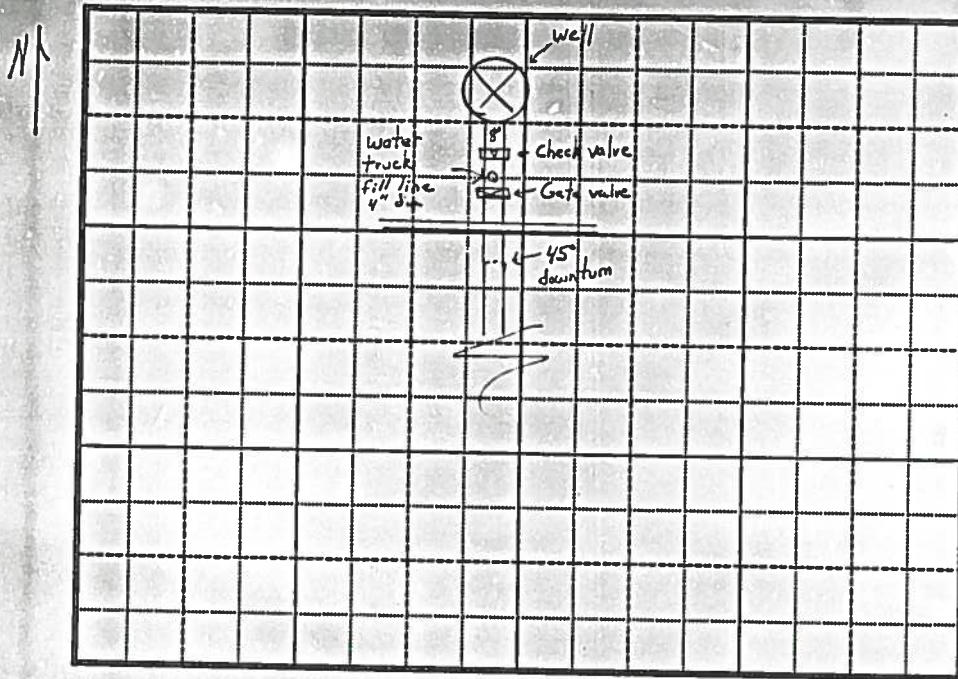
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name DAVE CARLSON Date 8/27/2012

Reviewer James Cefalo Date 8/27/2012

3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable.



Scale: 1" = _____

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well	General Elec	25	5K6268XH1A	Well Line	46071

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Polysaric Flowmeter						

2. Measurements:

OD 8.6
Thickness 1.71

29-07972

FLOW 1.942 CFS
5.221 F/S

SETUP NO. 1

PIPE O.D 8.600 IN

PIPE WALL THICKNESS 0.171 IN

PIPE I.D 8.258 IN

PIPE MATERIAL CARBON STEEL

PIPE SOUND VELOCITY 10597.129 F/S

LINER MATERIAL NONE

LINER SOUND VELOCITY 0.000 F/S

LINER THICKNESS 0.000 IN

INSIDE ABS ROUGHNESS 0.00015000

FLUID MATERIAL WATER

FLUID SOUND VELOCITY 4863.330 F/S

FLUID VISCOSITY 1.132 Cst

TRANSDUCER TYPE STANDARD

TRANSDUCER MOUNTING

TRANSDUCER SPACING 6.683 IN

11:08:19 08-21-95

SCALE FACTOR = 0.990
OFFSET (CFS) = 0.000
nsec OFFSET = 10.69
usec OFFSET = 0.34
XMT DET DLV = 18.87
AERATION FAC = 1.00
XDCUER: STANDARD/V

WIN DLV = 310.28 309.63
SE>R = 1.57 1.25
BIAS = 0.78 0.86
AGC = 1.12 1.16
SIG STG = 7.76 7.76
MISSED = 0 0
TIME(us) = 313.4 313.1
DEL TIME(ns) = 213.2 213.2
DIFF COUNT = 50857 50857
PZX = 73
SPS = 21.00
AERATION = 0.000

FLUID (F/S) = 4863.33
REYNOLDS NO = 283378
PROFILE FACTOR = 0.9451

FLOW: = 1.868 CFS
5.023 F/S

FLOW 1.849 CFS
4.971 F/S

FLOW 1.942 CFS
5.221 F/S

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UNCORRECTED

FEB 25 1997



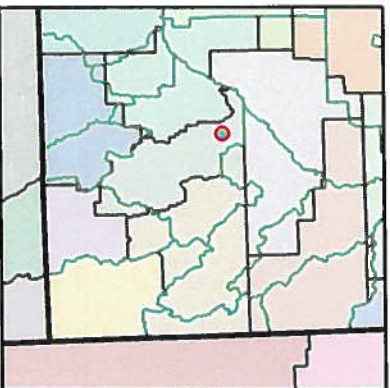
Idaho Department of Water Resources

Water Right:

29-13466
(Commercial)

Legend

- Point of Diversion
- Place of Use
- Townships
- PLS Sections
- Quarter Quarters



Bannock County
IDWR Basin 29



Prepared by D. Carlson
On Friday, June 15, 2007
2004 Aerial Photography