

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-13828

Exam Date: 9/14/2011

1. Current Owner: RONNIE D TILLOTSON
PO BOX 261
LAVA HOT SPRINGS ID 83246
(208)776-5267

Or

SHERRIL TILLOTSON
PO BOX 261
LAVA HOT SPRINGS ID 83246
(208)776-5267

2. Accompanied by: Ron Tillotson
Phone No: same as above
Address: same as above
Relationship to Permit Holder: Permit holder

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 29-13877
2. Other water rights with the same point of diversion: 29-13877

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

GROUND WATER

L7 NW1/4NE1/4

Sec. 22, Twp 09S, Rge 38E, B.M.

BANNOCK County

Method of Determination: Map/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	
09S	38E	22		X	X		X												
				L7	L8		L7												

Method of Determination: Map

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>
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A0018287

*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>
Flowmeter	Sonic	Fuji				

2. Measurements: Did a ten minute run. The average flow was 24.8 gpm (0.06 cfs).

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: Measured flow = 24.8 gpm = 0.06 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

$$50 \text{ gallons / RV space} \times 40 \text{ spaces} \times 116 \text{ days of operation} = 232000 \text{ gallons} = 0.71 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

The RV park currently contains 60 spaces. Twenty spaces are tent spaces. Eight water hydrants are scattered throughout the park.

The owners RV is parked on site and is used as the office during the season. Water for lawns is supplied by a separate water right. IDWR site tag A0018287 attached to well casing.

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	0.060 CFS	0.70 AF
<u>Totals:</u>		0.060 CFS	0.70 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 James Bitzenburg

Date 09-14-2011

Reviewer

James Cefalo

Date

Oct 31, 2012

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 29-13828

1. Owner Ronnie D. or Shepril Tillotson Phone No. 208-776-5267
 Current address PO Box 261, Lava Hot Springs, ID 83246
2. Examiner's name James Bitzenburg EXAM DATE 9-14-11
3. Accompanied by Ronnie Tillotson Email _____
 Address Same as above
 Relationship to permit holder Permit Holder Phone No. 208-776-5267
4. Source Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use 29-13877
2. Other water rights with the same source and point of diversion 29-13877

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
	7		NW	NE	22	09S	38E	Bannock	Map

2. Place(s) of Use: Method of determination Map

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
Lot 7	09S	38E	22	X															
Lot 8	09S	38E	22		X														
Lot 7	09S	38E					X												

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.

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
A0018287					

*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
Flowmeter	Sonic	Fuji				

2. Measurements: Did a ten minute run. The average flow was 24.8 gpm (0.06 cfs).

E. NARRATIVE/REMARKS/COMMENTS

The RV park currently contains 60 RV spaces. Eight water hydrants are scattered throughout the park. The owner's RV is parked on site and used as the office during the season. Water for lawns is supplied by a separate water right.

IDWR site tag A0018287 attached to well casing.

Twenty of the spaces are for tent camping.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Measured flow = 24.80 gpm = 0.06 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{NA}$ $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{NA}$ $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{NA}$

2. Volume Calculations for Other Uses:

50 gal./RV space $\times$ 40 spaces $\times$ 116 days of operation
 = 232000 gallons or 0.71 AF

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

Period of Use
From ToRate of Diversion
Q (cfs)Annual Volume
V (afa)Commercial01/01 12/310.060.70 AF

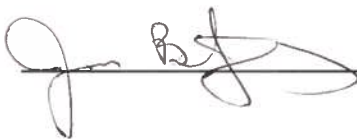
Totals:

0.06 cfs0.70 AF

2. Recommended Amendments

☒ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☐ None☒ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature



Date

10-03-2011

SEAL

Reviewer

Date

	6 'VELOCITY ft/s	'FLOW RAT gal/min	'FLOW RAT %	'+TOTALIZE gal	'-TOTALIZER gal
9/14/2011 9:21	2.703	24.7779	17.31	1641.249	-2344.5
9/14/2011 9:22	2.715	24.893	17.39	1665.966	-2344.5
9/14/2011 9:23	2.702	24.7725	17.306	1690.722	-2344.5
9/14/2011 9:24	2.706	24.811	17.333	1715.716	-2344.5
9/14/2011 9:25	2.7	24.7551	17.294	1740.425	-2344.5
9/14/2011 9:26	2.703	24.7813	17.312	1765.108	-2344.5
9/14/2011 9:27	2.704	24.7888	17.317	1789.909	-2344.5
9/14/2011 9:28	2.7	24.7544	17.293	1814.852	-2344.5
9/14/2011 9:29	2.707	24.8174	17.337	1839.649	-2344.5
9/14/2011 9:30	2.706	24.8082	17.331	1864.461	-2344.5
9/14/2011 9:31	2.705	24.8021	17.327	1889.139	-2344.5

24.80 GPM

Tillotson RV Park- Lava Hot Springs



Wellhead



well house



Inside of well house



Nydrant at RV Park

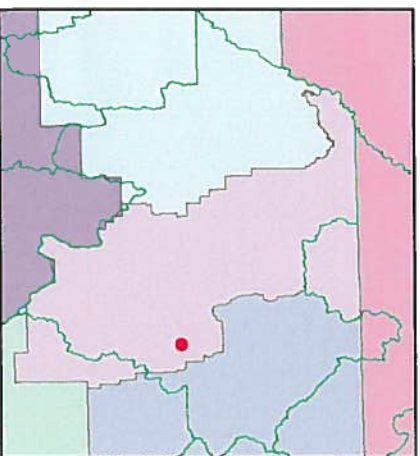


Idaho Department of Water Resources

Water Right
29-13828
(COMMERCIAL)

Legend

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



Bannock County
IDWR Basin 29



T09S



R38E



Owner: Ronnie D Tillotson

NOTE: Only one owner is listed. There may or may not be more than this in the IDWR database.

Prepared by Bitzenburg, James
On October 03, 2011
2009 Aerial Photography

FLOWMETER DATA

CALIBRATION DATE: 9-14-11

GPS SITE TAG#

RECORD #

EXAMINER: Jim B.

SUITABLE FOR PCC Y / N

FOLLOW-UP

Tillotson - Lava H.S. 5

3

0.962

INSTALLED METER		STANDARD METER	
METER TYPE:		PIPE MATERIAL	Copper
MAUFACTURER:		OUTSIDE DIAMETER	2.125
MODEL:		WALL THICKNESS	0.095
SERIAL NUMBER:		UPSTREAM STRAIGHT (FT.)	
OUTSIDE DIAMETER:		DOWNSTREAM STRAIGHT (FT.)	
WALL THICKNESS:		METER TYPE:	
UPSTREAM STRAIGHT (FT.)		RATE UNITS:	
DOWNSTREAM STRAIGHT (FT.)		MEASURED FLOW:	
RATE UNITS:		CONFIDENCE:	
RATE MULTIPLIER:			
VOLUME UNITS:		OTHER WELL (S):	
VOLUME MULTIPLIER:			
LOCATION:			
INDICATED FLOW (GPM)			
		OTHER METER (S):	

FLOWMETER ACCURACY CALIBRATION TABLE

OWNERS METER (TOTALIZER RD)	TIME	TOTAL GALLONS	AVE. FLOW RATE-GPM (M ₁)	STANDARD TOTAL GAL.	AVG. FLOW RATE (M ₂)	PERCENT DIFF. (+ -)	ADJUST- MENTS

SITE VISIT COMMENTS: Flowmeter is volume only. Timed 100 gal. for 3:48 3.8 min

MEAS. 1 (M₁) IS THE MEASURED RATE OF FLOW FROM THE PERMANENTLY INSTALLED FLOW METER

MEAS. 2 (M₂) IS THE MEASURED RATE OF FLOW FROM THE MEASURING DEVICE BEING USED TO CHECK THE FLOW FOR THE CALIBRATION. (+ or - %5 accuracy). DESCRIBE METHOD AND EQUIPMENT USED TO PERFORM THIS MEASUREMENT

PERCENT DIFFERENCE = (M₁ - M₂) ÷ M₂ X 100 = (+ or - %) ACCEPTABLE WITHIN (+ or - 10%)

CALIBRATION MULTIPLIER = (M₂ ÷ M₁)

FLOWMETER CALIBRATION MULTIPLIER: _____.

	6 'VELOCITY	'FLOW RAT	'FLOW RAT	'+TOTALIZE	'-TOTALIZER
	ft/s	gal/min	%	gal	gal
9/14/2011 9:21	2.703	24.7779	17.31	1641.249	-2344.5
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24.80 GPM

Tillotson RV Park- Lava Hot Springs