

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-13731

Exam Date: 8/29/2011

1. Current Owner: JOSEPH E DAVIDSON
610 BMK LN
JEROME ID 83338
(208)324-8406

2. Accompanied by: Joe Davidson

Phone No: Same as above

Address: Same as above

Relationship to Permit Holder: Permit holder

3. SOURCE

Spring

TRIBUTARY

Dempsey Creek

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

Ground Water
BANNOCK County

SW1/4SW1/4NW1/4

Sec. 8, Twp 10S, Rge 38E, B.M.

Method of Determination: Map

2.

PLACE OF USE: DOMESTIC

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>	
10S	38E	8							X										

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</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>
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*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>
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2. Measurements: No measurement made. De minimus rate of diversion.

E. FLOW CALCULATIONS

Measured Method: De minimus flow.

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NA

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

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

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

2. Volume Calculations for Other Uses: NA

1/2 acre of lawn + in-house use = 1.2 af

G. NARRATIVE/REMARKS/COMMENTS

The spring on the property was not developed. Instead, a well was drilled. Well serves a log home. Lawn and landscaping appear to be watered infrequently.

DWR site tag A0018286 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>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.2 af
<u>Totals:</u>		0.040 CFS	

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 08-29-2011

Reviewer James Cefalo

Date 9/5/2012

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D D0044097
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____

2. OWNER:
Name Joe Davidson
Address 610 BMK Ln.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 10 North ☐ or South ☒
Rge. 38 East ☒ or West ☐
Sec. 8 SW 1/4 NE 1/4 SE 1/4
Gov't Lot _____
County Bannock

Lat: _____ Long: _____
Address of Well Site South Canyon Rd & Parky Lane
City Lava

(Give at least name of road + Distance to Road or Landmark)
Lt. 441 Blk. _____ Sub. Name Lava Ranch
Phase 3

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>Bentonite</u>	<u>0</u>	<u>24</u>	<u>19 Bags</u>	<u>Overbore</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 170

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6" +1</u>	<u>170</u>	<u>250</u>	<u>25</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Tool

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>49'</u>	<u>169'</u>	<u>6" x 8"</u>	<u>190</u>			☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
_____	_____	_____	_____	_____

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

6" ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

12. WELL TESTS:

☐ Pump ☐ Bailer ☒ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>APPROX</u>	<u>10-12 GPM</u>	<u>1</u>	<u>1</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter 41'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10 1/2"</u>	<u>0</u>	<u>18</u>	<u>Brown clay</u>	☒	☐
<u>9 1/2"</u>	<u>18</u>	<u>28</u>	<u>1 1 1 1 1</u>	☐	☒
	<u>28</u>	<u>41</u>	<u>Brown clay / cable</u> <u>Some water 41'</u>	☒	☐
	<u>41</u>	<u>58</u>	<u>Brown sandstone</u> <u>Some water</u>	☒	☐
	<u>58</u>	<u>170</u>	<u>Brown & white sand-</u> <u>stone & some gravel</u> <u>& lots water</u>	☒	☐
<u>6"</u>	<u>170</u>	<u>175</u>	<u>1 1 1 1 1</u>	☒	☐

RECEIVED

SEP 12 2006

Department of Water Resources
Eastern Region

Completed Depth 175 (Measurable)

Date: Started 7-11-06 Completed 7-14-06

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Mowen R Drilling Firm No. 533

Principal Driller Sam Franklin Date _____

and Driller or Operator II _____ Date _____

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Davidson well





Davidson home



Davidson home

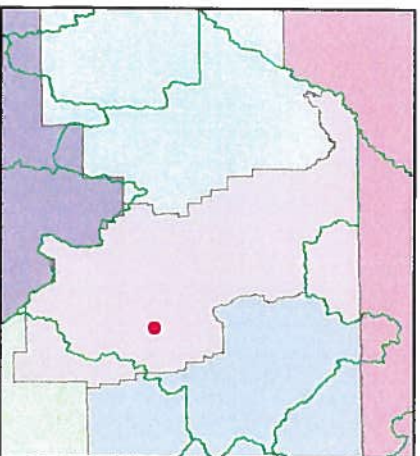
Idaho Department of Water Resources



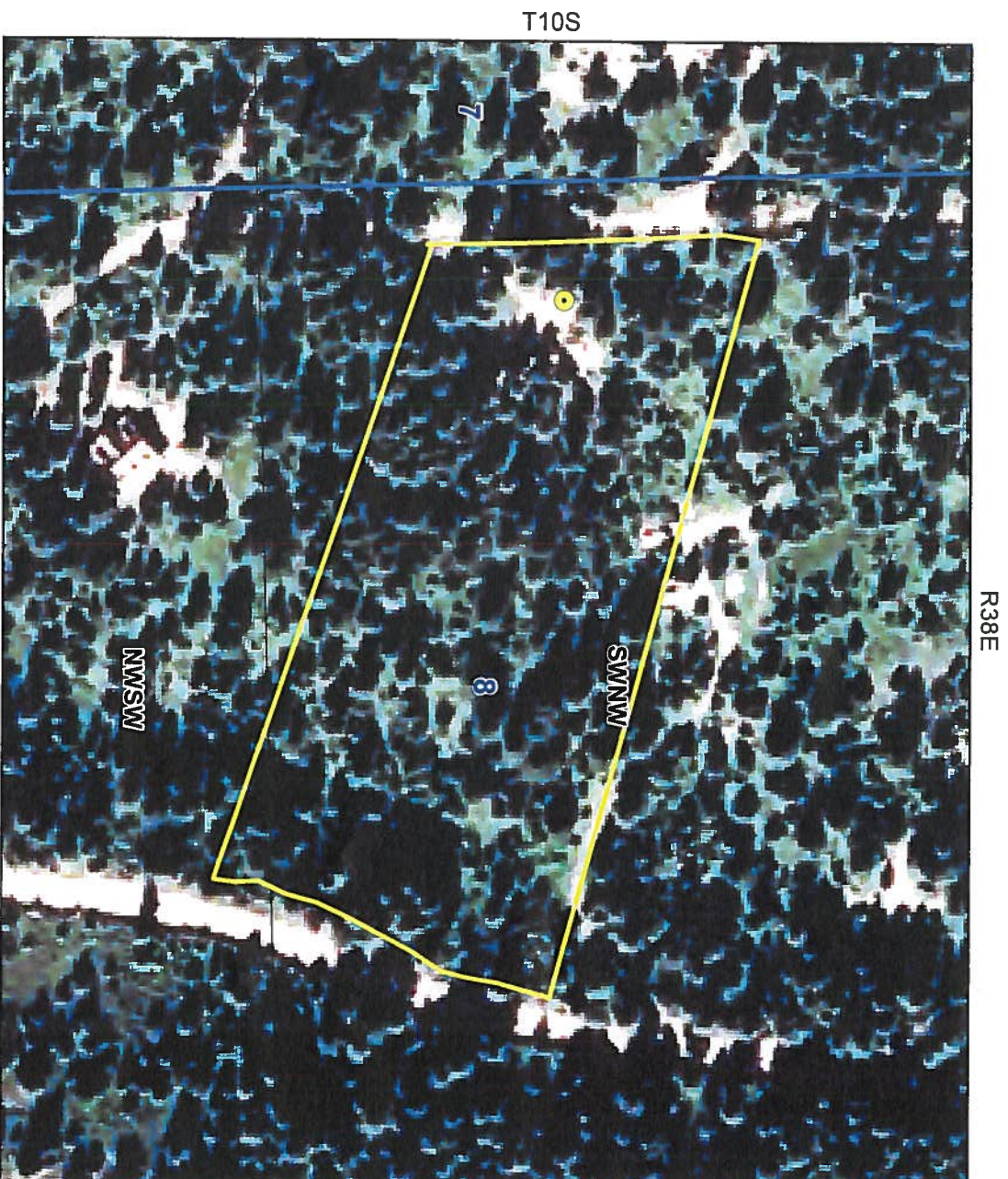
Water Right
29-13731
(DOMESTIC)

Legend

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



Bannock County
IDWR Basin 29



0 0.0375 0.075 0.15
Miles

Owner: Joseph E Davidson

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 05, 2011
2009 Aerial Photography