

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. 63-345791. Owner Dale and Stacy GustPhone No. 208-376-0141Current address 5373 Emerald St, Boise, ID 837062. Examiner's name Cody ParkerEXAM DATE July 26, 20183. Accompanied by Dale Gust

Email _____

Address _____

Relationship to permit holder same

Phone No. _____

4. Source Groundwater

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use none2. Other water rights with the same source and point of diversion none**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

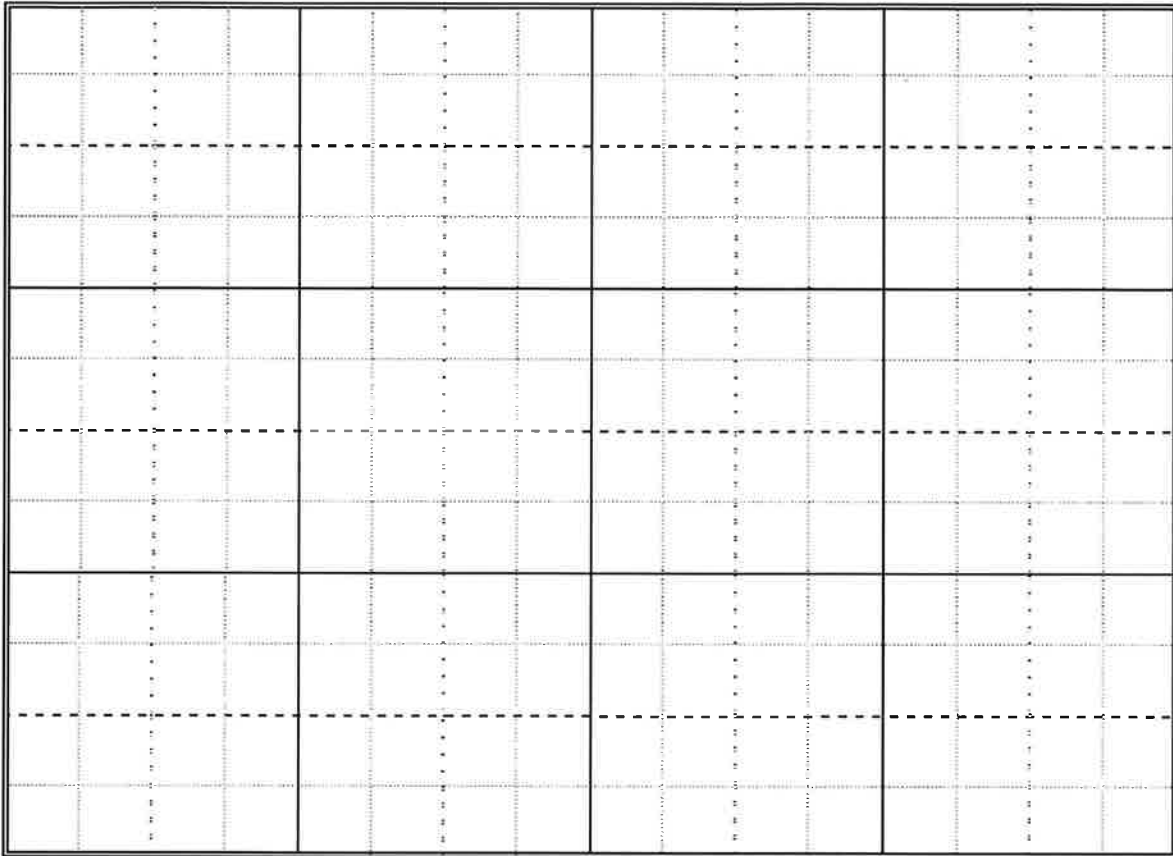
Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			NW	NW	32	01N	02E	Ada	GPS

2. Place(s) of Use:

Method of determination aerial imagery, digital PLS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	02E	32						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
D0053556				submersible	domestic

*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
none						

2. **Measurements:** _____

None per IDAPA Beneficial Use Exam Rule 35.01.r

E. NARRATIVE/REMARKS/COMMENTS

This domestic use was permitted with irrigation use under right no. 63-33263. Proof was submitted June 1, 2018. I completed this exam on July 26, 2018. During the exam, I found that the irrigation and domestic uses were developed from separate wells with entirely separate systems. This domestic portion was split from the original right and is being licensed as no. 63-34579.

The point of diversion for this right is a 6-inch well w/ metal tag no D0053556. The well is located at N43 23' 06.8" by W116 15' 09.9". The well provides water for in-home domestic use as well as irrigation of up to 1/2 acre of lawn surrounding the home. There are no overlapping uses of the well.

The original permit was conditioned to show that no irrigation was included under the domestic component. However, after the split I am recommending up to 1/2 acre irrigation under the domestic component. The irrigation portion, licensed separately under 63-33263, will be reduced by 1/2 acre to keep from enlarging the right at licensing.

The domestic use in the S. Ada County area would not require diversion and water level measuring conditions if permitted on its own. Those conditions have therefore been dropped from the domestic component at licensing. The domestic use description has been updated to show that domestic use now includes up to 1/2 acre of irrigation.

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:

Permit Rate 0.04 cfs

BU Standard: 0.04 cfs per Admin AP Memo No. 22

License Exam Fee Rate: 1.00 cfs

RECOMMEND 0.04 cfs

G. 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:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01/01	12/31	0.04 cfs	1.2 afa
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			0.04 cfs	1.2 afa

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**

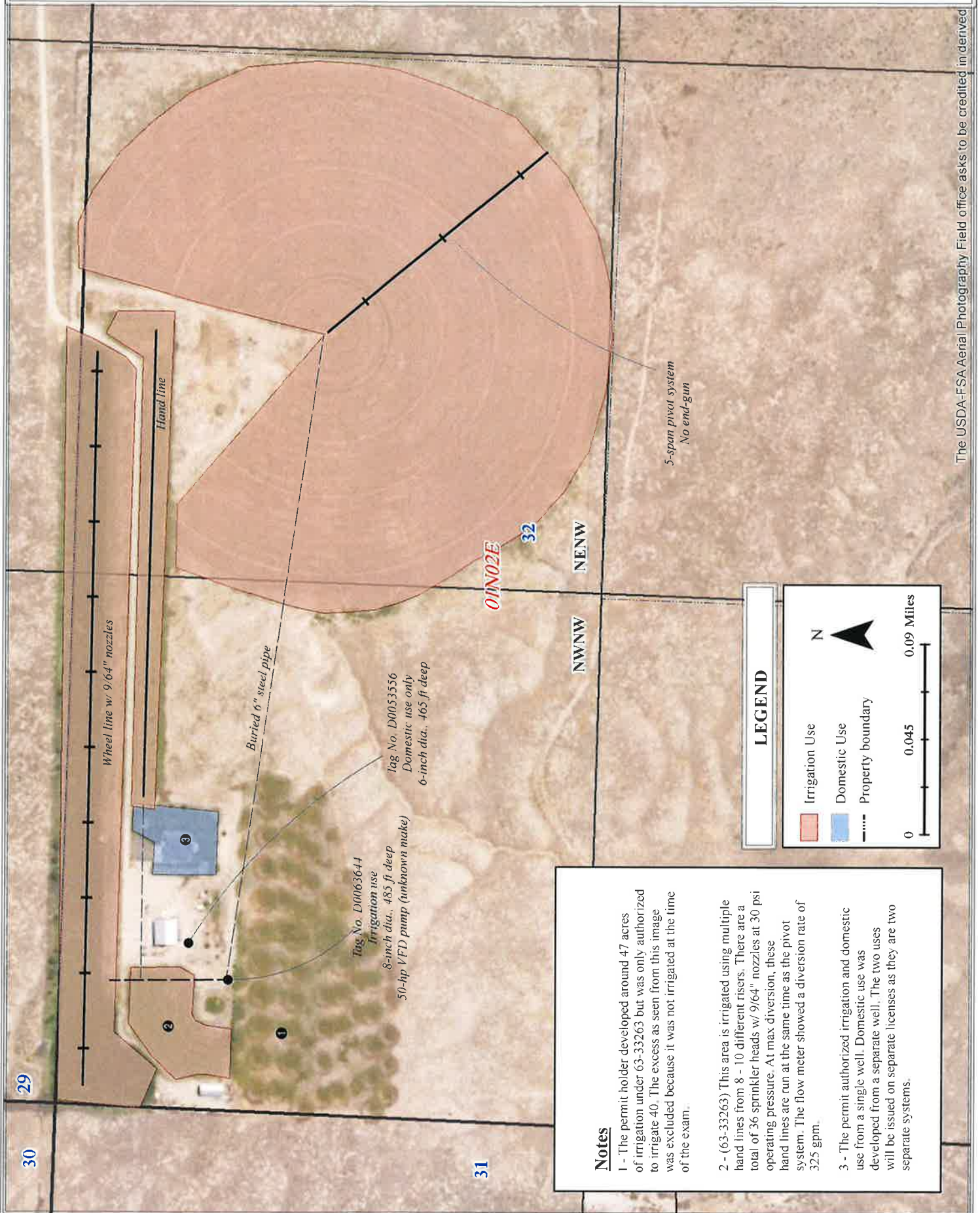
Field Examiner's Signature

Date 12-17-18

Reviewer

Date 12/19/18

SEAL



State of Idaho
Department of Water Resources
Beneficial Use Field Report
63-34579

DOMESTIC

02E



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles



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63-33263: The irrigation well located southwest of the house. The water level measuring device comes from the top of the well. Data was provided to the Department with the Proof.



63-33263: The measuring device which records both instantaneous and totalizing flow measurements from the irrigation well.

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63-33263: Operating pressure for the irrigation system is around 30 psi.



63-33263: Wheel line irrigation located at the northern boundary of the property.

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63-34579: The home served by the domestic well on the property.



63-34759: The lawn surrounding the home which is irrigated from the domestic well using pop-up sprinklers.

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*63-33263: The pivot irrigation
which is a component of the system
connected to the irrigation well.*

01N02E32

POU Comparison

BasinSequ Owner Source Use
63-33263 GUST, DA GROUND WA IRRIGATION
63-34579 GUST, DA GROUND WA DOMESTIC

NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	TotalAcres
				32	7.5											39.5
					X											

POD Comparison

BasinSequ Owner Source
63-33263 GUST, DA GROUND WATER
63-34579 GUST, DA GROUND WATER

NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
					X										
					X										

Separate well, See field report

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

856213

1. WELL TAG NO. D 0053556

Drilling Permit No. _____
Water right or injection well # _____

2. OWNER:

Name Dale Gust
Address 9285 W. Stirrup Drive
City Boise State ID Zip 83709

3. WELL LOCATION:

Twp. 1 North ☒ or South ☐ Rge. 2 East ☒ or West ☐
Sec. 32 NW 1/4 40 acres NE 1/4 40 acres SW 1/4 160 acres

Gov't Lot _____ County Ada
Lat. 43 ° 23.111 (Deg. and Decimal minutes)
Long. 116 ° 15.167 (Deg. and Decimal minutes)
Address of Well Site TBD Pleasant Valley Rd
52032212400 City Boise
(Give at least name of road + Distance to Road or Landmark)
Lot. _____ Blk. _____ Sub. Name _____

4. USE:

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

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
<u>Bentonite</u>	<u>0</u>	<u>58</u>	<u>1500 lbs</u>	<u>overbore</u>

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>6"</u>	<u>+1.5</u>	<u>58.5</u>	<u>250</u>	<u>Steel</u>	☒	☐	☐	☒

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

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____
Manufactured screen ☐ Y ☒ N Type _____
Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
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Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
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11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____
Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) _____ Static water level (ft) 390'
Water temp. (°F) _____ Bottom hole temp. (°F) _____
Describe access port _____

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
<u>NO TEST</u>	<u>(10.1)</u>	<u>(1.1)</u>

Test method:

Pump ☐ Bailer ☐ Air ☐ Flowing artesian ☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
10"	0	10	Brown Clay		X
10"	10	17	Packed Sand		X
10"	17	52	Brown Clay		X
10"	52	58	Black Lava		X
6"	58	92	Black Lava		X
6"	92	105	Red Lava		X
6"	105	190	Black Lava		X
6"	190	191	Crack (lost circulation)		X
6"	191	340	Lava		X
6"	340	365	Lava w/cracks		X
6"	365	420	Lava		X
6"	420	465	Lava w/cracks		X

RECEIVED

JUL 06 2009

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 465'

Date Started: 5/21/09 Date Completed: 5/27/09

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 S.O.S. Well Drilling Co. No. 212

*Principal Driller [Signature] Date 7-1-09

*Driller [Signature] Date 7-1-09

*Operator II [Signature] Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.