

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23688

Exam Date: 05/08/2025

1. Current Owner:
TIM MARTENS 1331 S ISLAND GLENN WAY EAGLE ID 83616-7107
2. Accompanied by: Andy Hubbard, Tim Martens, and Skyler Chambers
Phone No: Office: 801-394-4515 Cell: 801-549-8890
Address: 1331 S Island Glenn Way Eagle, ID 83616
Relationship to permit Holder: Current Owner, Previous Owner, Project Engineer

3. **SOURCE:**
GROUND WATER

Method of Determination: Proof of Beneficial Use, In-person Field examination.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-23962	Groundwater	Domestic (0.3cfs)	Permit
65-2502	Mud Creek – North Fork Payette River	Irrigation (2.9 cfs)	License

Comments: Permit 65-23962 overlaps SESE, NESE, SENE and NENE 1 S5 of 16N 03E for domestic use. This permit as obtained by Marco Ranches Inc. for a subdivision to be developed soon.

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

Water Right No.	Source	Purpose of Use	Basis
65-23962	Groundwater	Domestic	Permit

Comments: Permit 65-23962 lists this point of diversion, along with another well that has not yet been drilled.

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

GROUND WATER SE¼ SE¼, Sec. 5, Twp 16N, Rge 03E, B.M. VALLEY County
44.74578 -116.11114

Method of Determination: OnX GPS, In-person field exam

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16N	03E	5													8.0			12	20

Total Acres: 20

Method of Determination: In-person field exam, ArcMap 2023 Aerial Imagery

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X 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

X 1:24,000 or greater.X Aerial Photo Attached (required for irrigation of 10+ acres).X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
293715	Unknown	Unknown	Unknown	Unknown	Unknown

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurements: No flow measurements were collected by the department during this field exam since a McCrometer flow meter had been installed to the system during the development period.

E. FLOW CALCULATIONS

Measured Method:

A McCrometer brand flow meter was installed to the well to measure instantaneous flow. During the field exam, the well was turned on to its maximum capacity, which measured 280 gpm (figure 5).

$$280 \text{ gpm} \times 0.00223 = 0.62 \text{ CFS}$$

AP Memo 17:

$$20 \text{ acres} \times 0.02 \text{ cfs} = \mathbf{0.4 \text{ cfs}}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 20 \text{ acres} \times 3.0 \text{ acre-feet} = 60 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.4 \text{ cfs} \times 183 \text{ days} \times 1.9835 = 145 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \mathbf{60 \text{ AFA}}$$

G. NARRATIVE/REMARKS/COMMENTS

On January 16, 2018, a permit was approved for 2.0 cfs to irrigate 450 acres. In 2019, an assignment of permit was submitted to the Department to change the ownership of the permit to Tim Martens, who later submitted a Request for Extension irrigation of additional acreage than had been developed. Before the request for extension of time, 20 acres had been irrigated to grow organic potatoes and carrots. Tim intended to increase the acreage annually until all irrigable acres were developed. Proof of Beneficial Use was received on January 13, 2025, and a field exam was conducted in-person on May 8, 2025.

Permit 65-23962, a permit that intends to develop domestic use for a subdivision, lists a place of use including SESE, NESE, SENE and NENE 1 S5 of 16N 03E, overlapping with right 65-23688. The point of diversion is also listed on permit 65-23962, along with another since the permit is intended for domestic use and the well does not meet DEQ standards for drinking water. The well will be redrilled in the same legal location to meet DEQ standards before 65-23962 is used. Permit 65-23688 had been used until 2020 to grow organic potatoes and carrots by Tim Martens, the previous owner. Since he stopped irrigation, Donnelly Ranches LLC, who intends to develop a subdivision, bought the land which this right is appurtenant to. It was mentioned by Skylar Chambers, owner of Donnelly Ranches LLC, that he intends to submit a transfer application for this right to change the nature of use from irrigation to domestic. Right 65-2502 authorizes 2.9 cfs for irrigation of 137 acres, which was the primary irrigation right for the place of use which 65-23688 lies within.

During the field exam, it was determined that no additional acreage had been developed beyond the initial 20 acres, which are in the NESE and SESE $\frac{1}{4}$ $\frac{1}{4}$'s, shown in figure 2. A McCrometer flow meter had been installed to show an instantaneous rate of flow while the well was running. After letting the well run at maximum capacity for a few minutes, the flow meter reached a consistent 280 gmp, or 0.62 cfs. This demonstrated that the system could deliver the required rate to the irrigable land that was developed. There was no appropriate length of exposed pipe to collect a measurement with a closed conduit flow meter, so the rate shown on the flow meter was used to determine the system capability. While we have the correct Well Driller's Report, the current and previous owners are not certain about the horsepower of the pump, so a theoretical calculation could not be provided. Historically, the system included a 10" mainline and 3" lines to deliver water, on the surface, to the irrigated area. Only a 200 ft. section of the mainline remained at the time of the field exam, so that is all that was included in the system diagram in figure 2.

In accordance with Department standards, condition 121 was replaced with 103. Condition WB7 was updated to include the reduced annual volume of 60 AF, rather than the 1350 AF that was anticipated at the time of the permit approval. Condition 046 was removed, since the well was drilled during the development period. Condition 26A was removed, as the development period is complete and the system was developed to the owner's intent.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
IRRIGATION	04/15 to 10/15	0.4 CFS	60 AFA

Totals: 0.4 CFS 60 AFA

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 ☒ None

I. AUTHENTICATION Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date 5/15/2025

Reviewer  Date 10-9-25

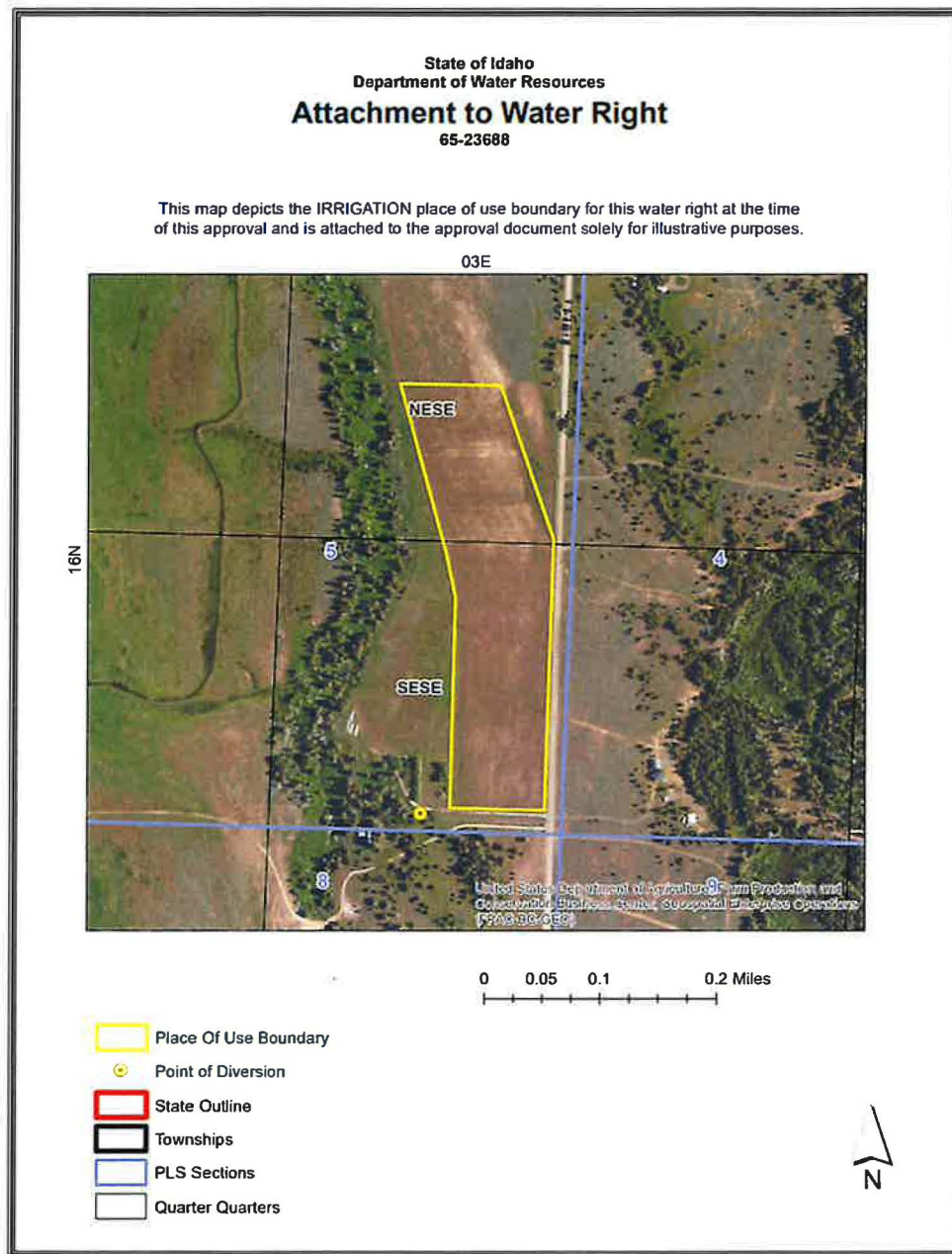


Figure 1 Map showing the correct point of diversion location and the place of use boundary during the development period.



Figure 2 System diagram including the point of diversion (well), the developed place of use, and what remained of the irrigation system. The actual irrigation system is not included since the location is not certain.



Figure 3 10" mainline that was used to deliver water to the irrigated place of use.



Figure 4 Point of diversion (well).



Figure 5 McCrometer flow meter installed to the irrigation system, near the well head. At the time of the field exam, the flow meter showed a current rate of 280 gpm.



Figure 6 North facing photo of historically irrigated land within the place of use.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT JUL 09 1990

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.Department of Water Resources
Western Regional Office

1. WELL OWNER Name <u>VALBOIS INCORPORATED</u> Address <u>877 MAIN ST. SUITE 600 BOISE, IDAHO</u> Owner's Permit No. <u>65-90-2-034-801</u>		7. WATER LEVEL Static water level <u>10</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u>51</u> °F. Quality <u>good</u> Describe artesian or temperature zones below.																																																																																																																																																																																																																													
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Abandonment ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☐ Pump ☐ Bailer ☒ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>600 +</u></td><td><u>390</u></td><td><u>5</u></td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	<u>600 +</u>	<u>390</u>	<u>5</u>																																																																																																																																																																																																																						
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☒ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		9. LITHOLOGIC LOG <u>022174</u> <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>10</td><td>0</td><td>4</td><td>TOP SOIL</td><td></td><td></td></tr><tr><td>10</td><td>4</td><td>7</td><td>BROWN SAND</td><td></td><td></td></tr><tr><td>10</td><td>7</td><td>8</td><td>BROWN SANDY CLAY</td><td></td><td></td></tr><tr><td>10</td><td>8</td><td>45</td><td>BROWN SAND</td><td></td><td></td></tr><tr><td>10</td><td>45</td><td>57</td><td>FINE BROWN + GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>57</td><td>78</td><td>BROWN SAND W/ SOME GRAVEL</td><td></td><td></td></tr><tr><td>10</td><td>78</td><td>79</td><td>BLUE CLAY</td><td></td><td></td></tr><tr><td>10</td><td>79</td><td>82</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>82</td><td>84</td><td>BROWN CLAY</td><td></td><td></td></tr><tr><td>10</td><td>84</td><td>90</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>90</td><td>93</td><td>BROWN CLAY</td><td></td><td></td></tr><tr><td>10</td><td>93</td><td>105</td><td>BLUE GREEN SAND</td><td></td><td></td></tr><tr><td>10</td><td>105</td><td>106</td><td>BROWN CLAY</td><td></td><td></td></tr><tr><td>10</td><td>106</td><td>120</td><td>BLUE GREEN SAND</td><td></td><td></td></tr><tr><td>10</td><td>120</td><td>150</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>150</td><td>151</td><td>BROWN CLAY</td><td></td><td></td></tr><tr><td>10</td><td>151</td><td>155</td><td>BLUE GREEN + GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>155</td><td>160</td><td>BROWN CLAY</td><td></td><td></td></tr><tr><td>10</td><td>160</td><td>177</td><td>GRAY SAND W/ CLAY STREAKS</td><td></td><td></td></tr><tr><td>10</td><td>177</td><td>200</td><td>BROWN CLAY W/ SAND STREAKS</td><td></td><td></td></tr><tr><td>10</td><td>200</td><td>215</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>215</td><td>272</td><td>BLUE + BROWN CLAY W/ SAND STREAKS</td><td></td><td></td></tr><tr><td>10</td><td>272</td><td>295</td><td>GRAY SAND W/ CLAY STREAKS</td><td></td><td></td></tr><tr><td>10</td><td>295</td><td>315</td><td>BLUE CLAY W/ SAND STREAKS</td><td></td><td></td></tr><tr><td>10</td><td>315</td><td>338</td><td>GRAY SAND W/ CLAY STREAKS</td><td></td><td></td></tr><tr><td>10</td><td>338</td><td>345</td><td>BLUE CLAY</td><td></td><td></td></tr><tr><td>10</td><td>345</td><td>350</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>350</td><td>376</td><td>BLUE + CLAY W/ SAND STREAKS</td><td></td><td></td></tr><tr><td>10</td><td>376</td><td>395</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>10</td><td>395</td><td>415</td><td>BLUE + BROWN CLAY W/ SAND STREAKS</td><td></td><td></td></tr><tr><td>8</td><td>415</td><td>430</td><td>BLUE + BROWN CLAY W/ SAND STREAKS</td><td></td><td></td></tr><tr><td>8</td><td>430</td><td>510</td><td>BLUE GRAY SAND W/ CLAY STREAKS</td><td></td><td></td></tr><tr><td>8</td><td>510</td><td>530</td><td>BLUE + BROWN CLAY W/ SAND STREAKS</td><td></td><td></td></tr><tr><td>8</td><td>530</td><td>580</td><td>BLUE GRAY SAND W/ CLAY STREAKS</td><td></td><td></td></tr><tr><td>8</td><td>580</td><td>620</td><td>BLUE + BROWN CLAY W/ SAND STREAKS</td><td></td><td></td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	10	0	4	TOP SOIL			10	4	7	BROWN SAND			10	7	8	BROWN SANDY CLAY			10	8	45	BROWN SAND			10	45	57	FINE BROWN + GRAY SAND			10	57	78	BROWN SAND W/ SOME GRAVEL			10	78	79	BLUE CLAY			10	79	82	GRAY SAND			10	82	84	BROWN CLAY			10	84	90	GRAY SAND			10	90	93	BROWN CLAY			10	93	105	BLUE GREEN SAND			10	105	106	BROWN CLAY			10	106	120	BLUE GREEN SAND			10	120	150	GRAY SAND			10	150	151	BROWN CLAY			10	151	155	BLUE GREEN + GRAY SAND			10	155	160	BROWN CLAY			10	160	177	GRAY SAND W/ CLAY STREAKS			10	177	200	BROWN CLAY W/ SAND STREAKS			10	200	215	GRAY SAND			10	215	272	BLUE + BROWN CLAY W/ SAND STREAKS			10	272	295	GRAY SAND W/ CLAY STREAKS			10	295	315	BLUE CLAY W/ SAND STREAKS			10	315	338	GRAY SAND W/ CLAY STREAKS			10	338	345	BLUE CLAY			10	345	350	GRAY SAND			10	350	376	BLUE + CLAY W/ SAND STREAKS			10	376	395	GRAY SAND			10	395	415	BLUE + BROWN CLAY W/ SAND STREAKS			8	415	430	BLUE + BROWN CLAY W/ SAND STREAKS			8	430	510	BLUE GRAY SAND W/ CLAY STREAKS			8	510	530	BLUE + BROWN CLAY W/ SAND STREAKS			8	530	580	BLUE GRAY SAND W/ CLAY STREAKS			8	580	620	BLUE + BROWN CLAY W/ SAND STREAKS		
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4. METHOD DRILLED ☒ Rotary ☐ Air ☒ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		10. WORK STARTED <u>5-31-90</u> FINISHED <u>6-27-90</u>																																																																																																																																																																																																																													
5. WELL CONSTRUCTION <u>SEE ATTACHMENT FOR PVC CASING + SCREEN LAYOUT</u> Casing schedule: ☒ Steel ☐ Concrete ☒ Other <u>PVC</u> <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>.250</u> inches</td><td><u>8</u> inches</td><td><u>1</u> feet</td><td><u>415</u> feet</td></tr><tr><td><u>SCH 40</u> inches</td><td><u>6</u> inches</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> Was casing drive shoe used? ☐ Yes ☒ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>CERTAINTEED</u> Type <u>PVC</u> Model No. _____ Diameter <u>6</u> Slot size <u>.015</u> Set from _____ feet to _____ feet Diameter <u>6</u> Slot size <u>.025</u> Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>415</u> Material used in seal: ☒ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☒ Solvent Weld ☐ Cemented between strata Describe access port <u>SANITARY WELL SEAL</u>		Thickness	Diameter	From	To	<u>.250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>415</u> feet	<u>SCH 40</u> inches	<u>6</u> inches											Number	From	To										6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. <table border="1"><tr><td>N</td><td></td><td></td></tr><tr><td>W</td><td>5</td><td>E</td></tr><tr><td></td><td></td><td>X</td></tr><tr><td>S</td><td></td><td></td></tr></table> County <u>VALLEY</u> <u>SE 1/4 SE 1/4 Sec. 5, T. 16, S. 3, R. 3, W. 1</u> Subdivision Name _____ Lot No. _____ Block No. <u>1</u> Date <u>JUL 12 1990</u>		N			W	5	E			X	S																																																																																																																																																																																		
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7. DRILLER'S CERTIFICATION I/We certify that all minimum well construction standards were applied at the time the rig was removed. Firm Name <u>GSTRIN WELL DRILLING</u> Firm No. <u>408</u> Address <u>HC 38 BOX 10 DONNELLY, ID</u> Date <u>6-27-90</u> Signed by (Firm Official) <u>R. H. Heston</u> and (Operator) <u>R. H. Heston</u>																																																																																																																																																																																																																															

