

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

GENERAL INFORMATION *garden valley Summer Home Sites*
Property Owners Association

1. Owner: _____ Permit No. 65-12999
Phone No. % 462-3872

Current Address: % grant yeareley HC76 Box 2643 garden valley, ID 83622
" " _____

2. Accompanied by: _____ EXAM. DATE: 10/7/93
Address: ← as above → Phone No. _____

Relationship to Permit Holder: President

3. Source: Groundwater tributary to _____

Common diagrams & map
65-12999 & 65-12999

Common diagrams & maps
for 65-12999 & 65-12998

B. OVERLAP REVIEW

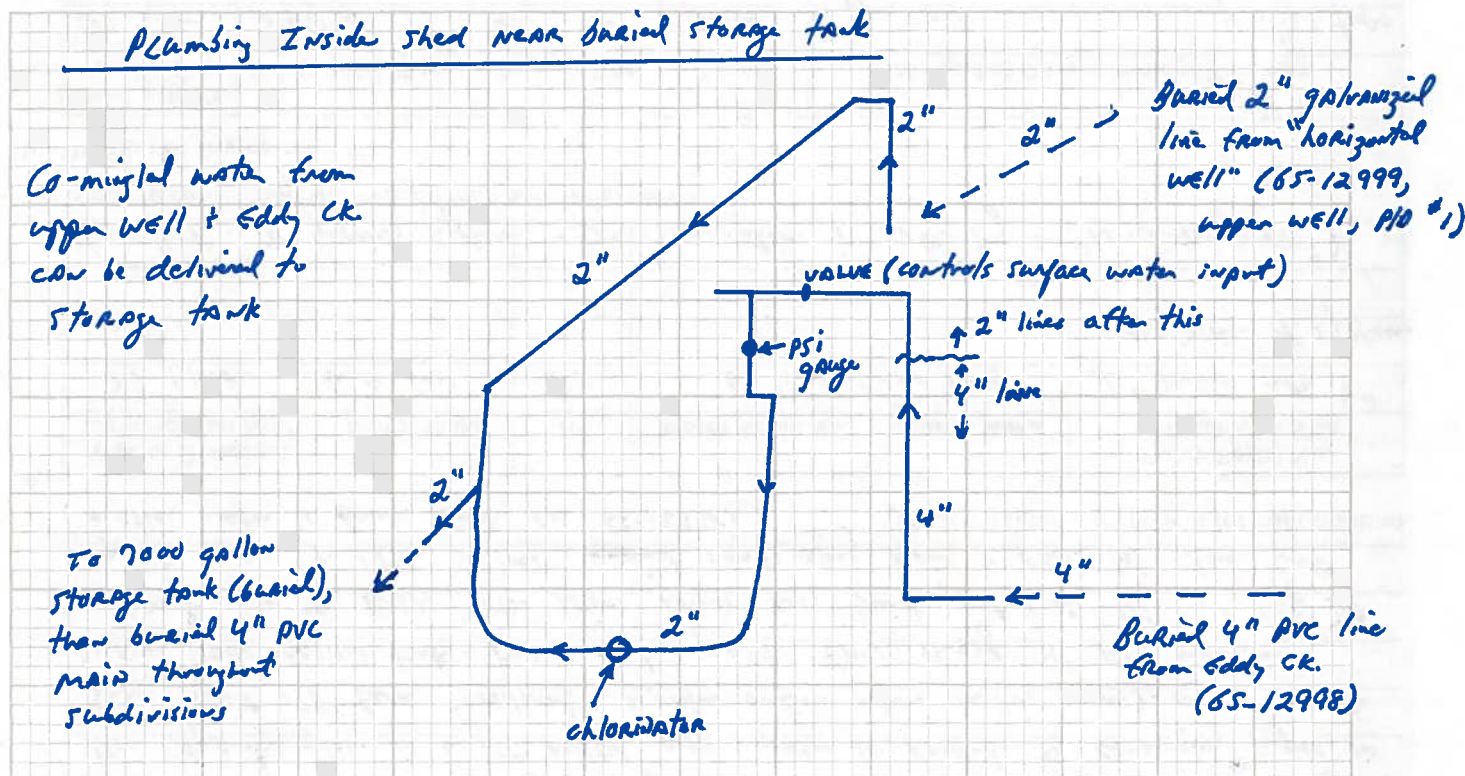
1. Other water rights with same place of use: _____
 _____ ☐ Copies Attached

2. Other water rights with same point of diversion: _____
 _____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☒ Alternative diagram attached *- Subd. plots for overview*

☒ Alternative diagram attached - Subd. plats for overview



Scale: 1" = not to scale

2. ☒ Copy of U.S.G.S. 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 or more). *N/A*

☐ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

System consists of 2 wells providing water to a distribution mainline that runs through or by each lot (mainline follows roads). The upper well (p12 #1) is a 3" diameter, 67' long "horizontal well" drilled into hillside (see well log). Via gravity flow in a 2" metal pipe, water is routed to co-mingling* pipes in shed about 135' from "wellhead" (a valve buried when drilling began), and then into buried 7000 gallon tank. From tank, gravity flow through 4" PVC mainline delivers water to sublots. Nine homes are built, but each lot can tap into main with saddle valves (buried spots along main & each lot where can (* other water is from Gddy Cr. 65-12998) ☒ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
02 (lower well)	unknown	2	unknown - no tags		2" main into 4" mainline of system
(well #1 is gravity system - see narrative & well log: "horizontal well")					

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
01	-	SW	NW	SE	19	9N	4E	Boise	upper well } 7 1/2' taps & subd. plots
02	-	SW	SE	SE	19	9N	4E	Boise	lower well - single pld on GCR line

6. Place(s) of Use:

Indicate Method of Determination AS IN P/O

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
9N	4E	19														0	0	0	-
9N	4E	30	0	0															-
			lot 1																

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements:

NONE POSSIBLE

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Ampsx .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

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:

Domestic, 30 units

$6.6 \times (30) = 198 \text{ afa}$

vs.

$(\quad) (365) (1.9835) =$

H. REMARKS AND OVERLAP REVIEW ANALYSIS *Narrative cont.:*

Look single home line to main. Although plumbed lines per lot is the expected sense are not found, solving along main serves same purpose & can be recognized as delivering water to each lot (saddle valve per lot). Internal use only occurs. The second well (lower well) uses a 2 hp subel. pump & 2" line to deliver water into the 4" mainline of system. Three different branch lines off the 2" line of well #2 inject water into the network in various places. Well #2 (add this plot to this right-drilled at same time as well #1 per President's info) is the old described in (april right 65-13001). Mr. Gearsby said he "dropped" a 100' tape down well & did not hit bottom - thinks well #2 may be up to 250' deep (said a # of wells in area that deep). P/U aka Garden Valley Summer Home Site Units 1, 2, and 3. Domestic use is for in-house use only for 30 homes.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Domestic</i>	<i>1/1</i>	<i>12/31</i>		
Totals:				

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 |

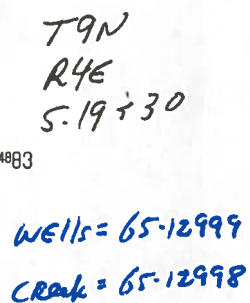
J. AUTHENTICATION

Field Examiner's Name Steve Lester
Signature Steve Lester
Certification Date _____
Field Report Preparation Date 10/7/93

CONSULTANT SEAL

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

7.5 MINUTE SERIES (TOPOGRAPHIC)



Requested 10/8 w/ new road letter
 - get from grant: i.d. unit # & lot # with homes

Follow up

~~Before new appl for spring - just use 1/2 inch~~
~~one - i wait to grant~~
 - need static level est. for well # 2 (lower)

Upper Well

67' hor. into sidehill ~ 125' up-hill from burial tank.

6" pipe "csj" reduce to 2" from valve to tank. (700 gallon).

Elev. Δ from valve to tank ~ 35'

4" from tank thru subd. - (pvc mainline)

3/4" " main to lots.

All 3 subd. removed.

9 Existing homes; saddle valves for other lots. to hook up, but no actual stubbed lines in place. *

gravity system from upper well to tank to lots

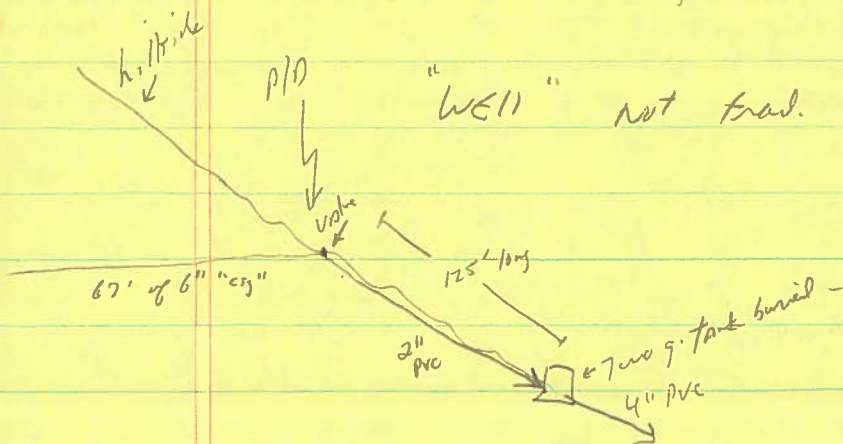
[Unit/Lot # of existing homes - grant will call re/units of this]

Grant = Pres.

Grant est. for well flow @ 12 gpm

MEAS. - theoretical pipe thru Elev ~ 35', L ~ 125', Diam ~ 2", galvanized steel pipe

Int use only.



"Well" not trad. well - is hor. only.

* mainline goes thru every lot.

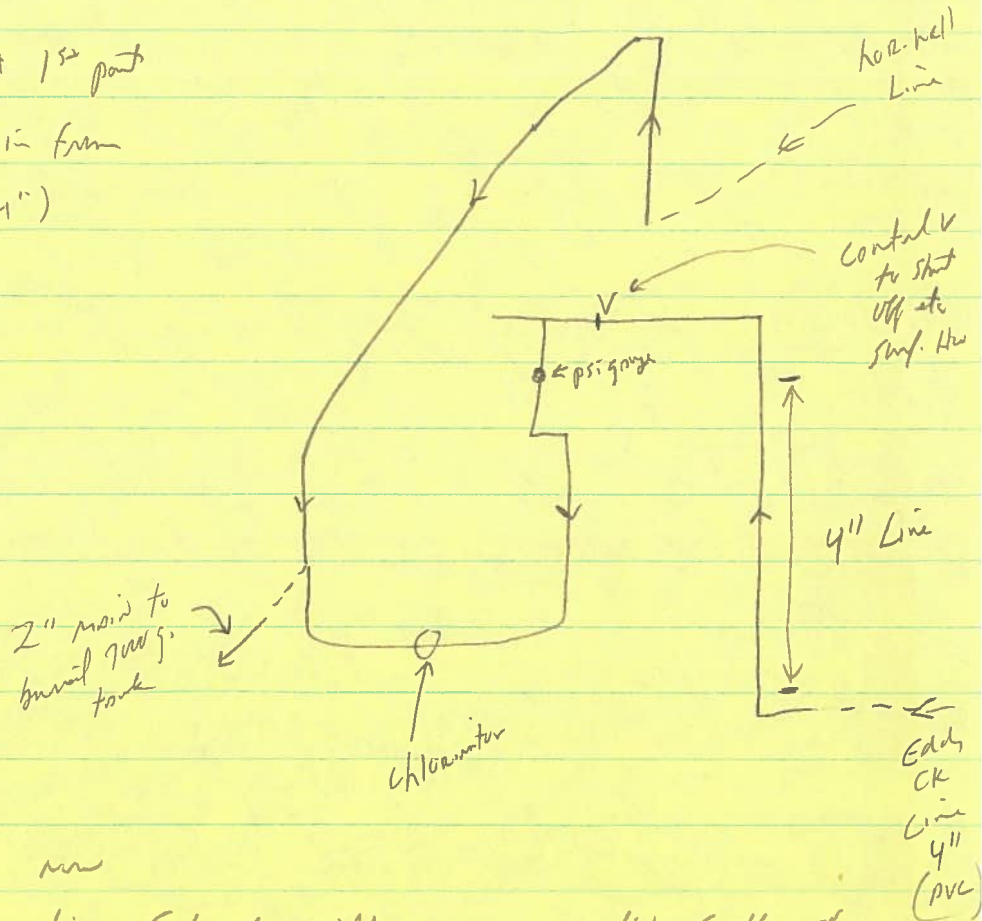
Follow-up, see above

Credit Lots w/ Home?

4" road (combined from 2 w. 5' surf water) follows
all roads so give them by lots. grant not share any
sticks but lot own low top into mid of saddle (volcan).

2" line except 1st part
of line in from
edge (4")

12
green below
shell
egg wall



- psi gauge 0 now
- usually low readings (don't build pressure until further down system)

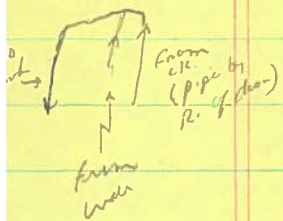
Plutus

2) Look in that where Surf. & upper wall H₂O can find, then to build front.

1) Skel of Linen - open well upland - 125'

3) Lower well

u) typisk Plea



$$\begin{array}{r} 70 \\ 18.0 \end{array}$$

Eddy ck mess Harvested

1 P/O - goes to join g-w c tank (see upper well)

~ 5w/6w' from ck to steel.

Buried 4" PVC - nothing to see at ck so no photo.

get elev. D from tape for est. flow.

Creek flow good now - this can direct good flow.

Lower well

Add p/d to upper well W-R.

8" > 97' (?) - any lg? - look for 2nd pg
prob some owner (Blosser) is not
liked same driller

2 hp. subm., 2" main - no tags etc.

Plant RAN 100' tape down well.
± hit water on bottom.

Found some other wells c here ~ 300' deep.

" had tested a 25 gpm sometime 12 past (not sure when).

hooky into 4" mainline dist system

$$\frac{(8.8)(6.7)(2)}{(2.31)(20) + ?} = ? \text{ cfs}$$

WELL DRILLER'S REPORT

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.

1. WELL OWNER Name <u>ALBERT E. BLASER</u> Address <u>3710 TAMARACK DR</u> <u>BOISE, IDAHO</u> Owner's Permit No. _____	7. WATER LEVEL Static water level _____ feet below land surface. Flowing? ☒ Yes ☐ No G.P.M. flow <u>25</u> Artesian closed-in pressure _____ p.s.i. Controlled by: ☒ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____																																								
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____	8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ Air ☒ Other <u>FREE FLOW</u> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</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>	Discharge G.P.M.	Pumping Level	Hours Pumped																																					
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <u>105619</u> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Hole 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>3</td> <td>1</td> <td>3</td> <td>BLACK LOAM TOP SOIL</td> <td>X</td> <td> </td> </tr> <tr> <td>3</td> <td>3</td> <td>33</td> <td>DECOMPOSED GRANITE</td> <td>X</td> <td> </td> </tr> <tr> <td>3</td> <td>33</td> <td>34</td> <td>TALC</td> <td>X</td> <td> </td> </tr> <tr> <td>3</td> <td>34</td> <td>66</td> <td>BLUE SHALE</td> <td>X</td> <td> </td> </tr> <tr> <td>3</td> <td>66</td> <td>67</td> <td>DECOMPOSED GRANITE TO GRANITE</td> <td>X</td> <td> </td> </tr> </tbody> </table>	Hole Diam.	Depth		Material	Water		From	To	Yes	No	3	1	3	BLACK LOAM TOP SOIL	X		3	3	33	DECOMPOSED GRANITE	X		3	33	34	TALC	X		3	34	66	BLUE SHALE	X		3	66	67	DECOMPOSED GRANITE TO GRANITE	X	
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4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	10. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>H2O WELL DRILLING</u> Firm No. <u>303</u> Address <u>11917 HIGHLANDER</u> Date <u>7-11-78</u> <u>BOISE, ID.</u> Signed by (Firm Official) <u>Bruce H. Connolly</u> and (Operator) <u>Gallen W. Connolly</u>																																								
5. WELL CONSTRUCTION Casing schedule: ☐ Steel ☐ Concrete ☒ Other <u>PLASTIC</u> Thickness _____ inches Diameter _____ inches To _____ feet <u>OPEN</u> _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was casing drive shoe used? ☐ Yes ☒ No Was a packer or seal used? ☒ Yes ☐ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☒ Knife ☐ Torch Size of perforation <u>3/32</u> inches by <u>3</u> inches Number _____ From _____ To _____ <u>30</u> perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>6</u> Material used in seal: ☒ Cement grout <u>30'</u> ☒ Puddling clay ☐ Well cuttings 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>HORIZONTAL DRILLED WELL.</u>	6. LOCATION OF WELL Sketch map location must agree with written location. N <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">W</td> <td style="width: 25%; text-align: center;">N</td> <td style="width: 25%; text-align: center;">E</td> <td style="width: 25%; text-align: center;">S</td> </tr> <tr> <td> </td> <td> </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> </table> Subdivision Name <u>Garden Valley</u> <u>Summer Home Sites</u> Lot No. _____ Block No. _____ <u>Well not located within</u> <u>Subdivision</u> County <u>Boise</u> <u>SW 1/4 NE 1/4 Sec. 19, T. 9 N, R. 4 E.</u>	W	N	E	S																																				
W	N	E	S																																						

POD #1

upper well
well #1

RECEIVED

JAN 24 1979

Department of Water Resources
Western Regional Office

RECEIVED

DEC 18 1978

Department of Water Resources
Western Regional Office

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

*Lower well
p/d #2*

1. DRILLING PERMIT NO: _____ OTHER APPLICABLE NO: 65-12999

2. OWNER: _____ Phone: _____
Address: _____

3. WELL LOCATION: Twp _____, Rge. _____, Sec. _____, _____ 1/4 _____ 1/4
County _____ (Provide sketch map and photo on reverse.)

4. DRILLER: H2O well Drilling Lic. No. 303
When Drilled? ~1977

5. WELL CONSTRUCTION:

Casing Diameter 8 inches Water tight cap? ☒ Yes ☐ No Access Port: ☐ Yes ☒ No
Casing $\geq$ 12 inches above ground? ☒ Yes ☐ No - Describe _____
Depth of Casing _____ ft. Method Drilled _____
Condition of Well Casing: ☒ Good ☐ Fair ☐ Poor Describe _____
Control Valve? ☐ Yes ☒ No Pressure Gauge: ☐ Yes ☒ No
Condition of Piping and Valving N/A
Auger to a depth of _____ ft. Evidence of Annular Seal ☐ Yes ☐ No
Are there obvious construction problems that may be a source for contamination or waste of water?
☐ Yes ☒ No (Describe in Remarks and Attach Photo - On Reverse)

*Run well log for
p/d #1 - same driller*

6. HYDROLOGIC INFORMATION:

Depth to Static Water _____ ft. Water Temperature cold °F
Flowing Artesian ☐ Yes ☒ No Pressure: _____ (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____

7. WELL USE: subdivision system

☒ Domestic	☐ Irrigation	☐ Stock
☐ Test	☐ Municipal	☐ Industrial
☐ Abandoned	☐ Waste Disposal/Injection	☐ Not Used
☐ Other: _____		

8. POSSIBLE CONTAMINATION SOURCES:

Is there evidence of Chemigation? [] Yes [x] No

If yes, is there a check-valve present? [] Yes [] No

Is there a possible source of contamination nearby? [] Yes [x] No

If yes, what Type? _____

How far away from the well is this source? _____

9. REMARKS: _____

Steve Smith Water Rights Supervisor
Signature of Dept. Representative & Title

10/7/93
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:



Piping from surface water POD



Shed where surface water and groundwater from well #1 can join and piggy-back on the same delivery system.



Lower well (well #2)



Typical place of use per field exam notes.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

May 26, 1993

GARDEN VALLEY SUMMER HOME SITES
C/O GRANT YEARSLEY
HC 76, BOX 2643
GARDEN VALLEY, ID 83622

FIELD EXAM NOTICE

RE: PERMIT NO. 65-12999

Dear Permit Holder:

An agent from the Department must conduct an examination on the above-referenced permit before your water rights license can be granted. In order to conduct this exam as efficiently as possible, we ask that you contact the water rights examiner listed below before June 3 to schedule a day and time convenient for you.

Please be advised that you will need to operate your system under normal conditions during the examination.

If there is a problem with scheduling or conducting the examination at this time, please call and other arrangements can be made.

Sincerely,

A handwritten signature in cursive script that reads "Rick Collingwood".

Rick Collingwood
Water Rights Examiner



State of Idaho
DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

May 18, 1993

GARDEN VALLEY SUMMER HOME SITES
PROPERTY OWNERS ASSN.
P.O. BOX 6157
BOISE, ID 83707

FIELD EXAM NOTICE

RE: PERMIT NO. 65-12999

Dear Permit Holder:

An agent from the Department must conduct an examination on the above-referenced permit before your water rights license can be granted. In order to conduct this exam as efficiently as possible, we ask that you contact the water rights examiner listed below before May 25 to schedule a day and time convenient for you.

Please be advised that you will need to operate your system under normal conditions during the examination.

If there is a problem with scheduling or conducting the examination at this time, please call and other arrangements can be made.

Sincerely,

A handwritten signature in cursive script that reads "Rick Collingwood".

Rick Collingwood
Water Rights Examiner



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

May 19, 1992

GARDEN VALLEY SUMMER HOME SITES
C/O GRANT YEARSLEY
HC 76 BOX 2643
GARDEN VALLEY ID 83622

FIELD EXAM NOTICE

RE: PERMIT NO. 65-12999

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit during the week of May 25, 1992. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal conditions during the examination.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you.

If there is a problem with scheduling or conducting the examination at this time, please call and other arrangements can be made.

SINCERELY,

A handwritten signature in cursive script that reads "Rick Collingwood".

RICK COLLINGWOOD
WATER RIGHTS EXAMINER