

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

- A. GENERAL INFORMATION** *Garden Valley Summer Home Sites*
1. Owner: Property Owners Association Permit No. 65-12999
Phone No. 90 462-3872
Current Address: % Grant Yearley 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 _____

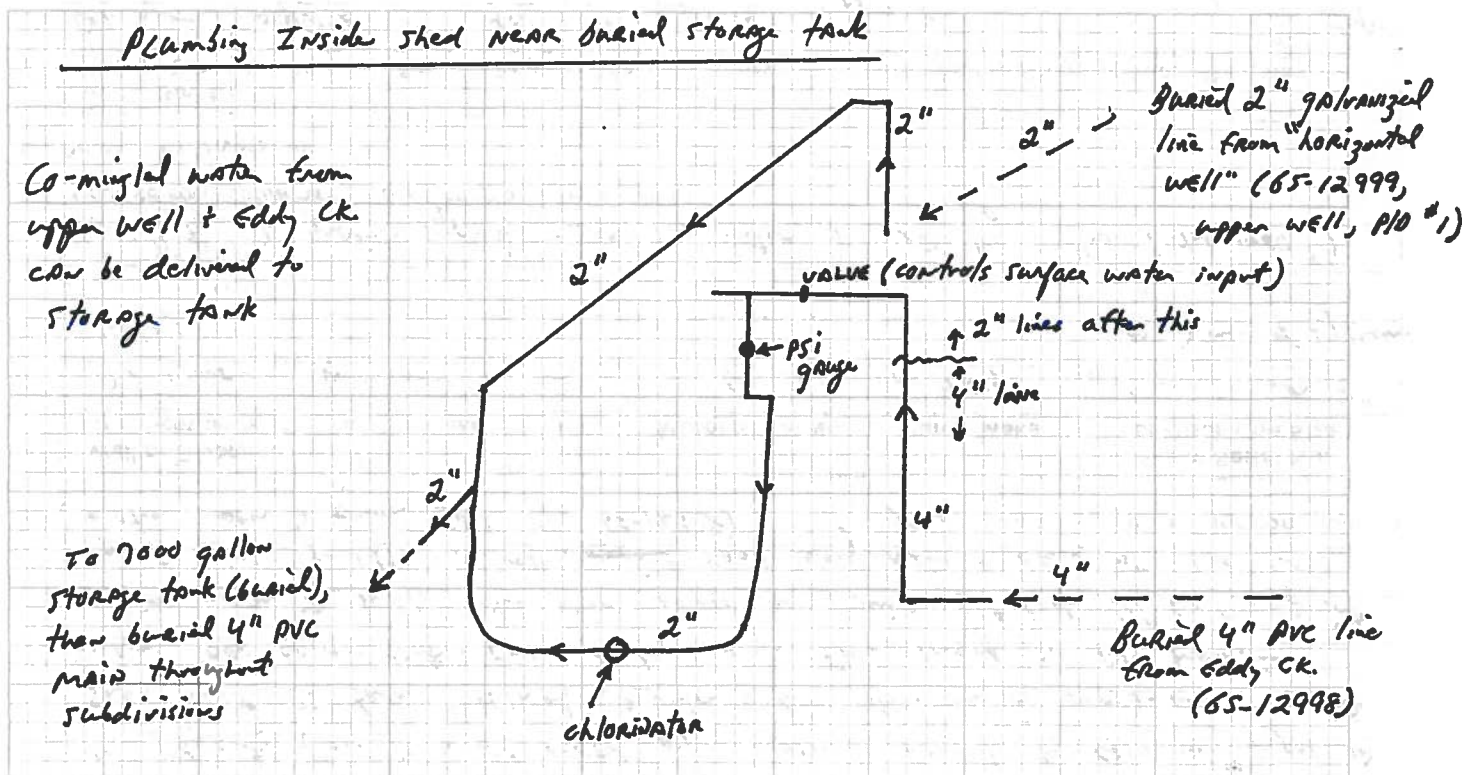
*Common diagrams & maps
for 65-12999 & 65-12998*

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. plans 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 *N/A* (required for irrigation of 10 acres or more).
- ☐ 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 (pld #1) is a 3" diameter, 67' long "horizontal well" drilled into hillside (see well log). Via gravity flow is 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 deliver water to subd lots. Nine homes are built, but each lot can tap into main with saddle valves (found 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
02	-	SW	SE	SE	19	9N	4E	Boise	lower well - single pld } ± subd. plats
									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														D	D	D	-
9N	4E	30																	-

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 Amps x .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

$(.6)(30) = 18 \text{ afa}$

vs.

$()(365)(1.9835) =$

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

Look single home line to main. Although plumbed lines per lot is the expected sense are not found, following 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 submersible 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 plot described in (proposal right 65-13001). Mr. Gearsby said he "dropped" a 100' tape down well & did not hit bottom - thinks well #2 may be up to 200' deep (said a # of wells in area that deep). PU aka Garden Valley Summer Home Sites 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

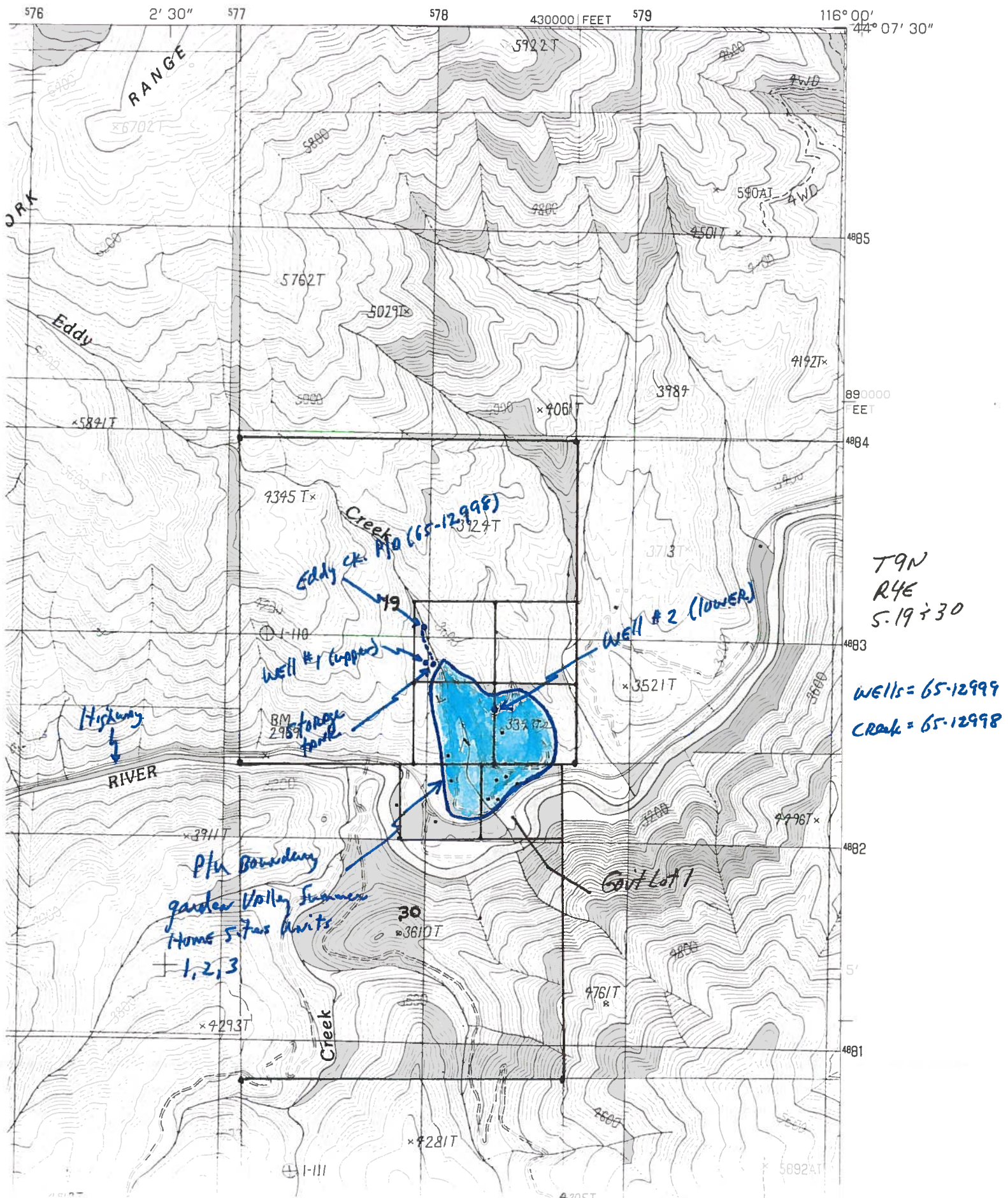
Certification Date _____

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.

BANKS QUADRANGLE
IDAHO-BOISE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Requested 10/8
 - just from grant:
 id. unit #1 lot #2 with house

Follow up

- before new appl for spring 10/8V - just use 1/2 inch
- need static level ext. for well #2 (lower)

Upper Well

67' hor. into sidehill ~ 125' up hill from buried tank.
 6" pipe "csg" reduce to 2" from valve to tank. (Two 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 houses; 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 houses - grant will call separate of this]

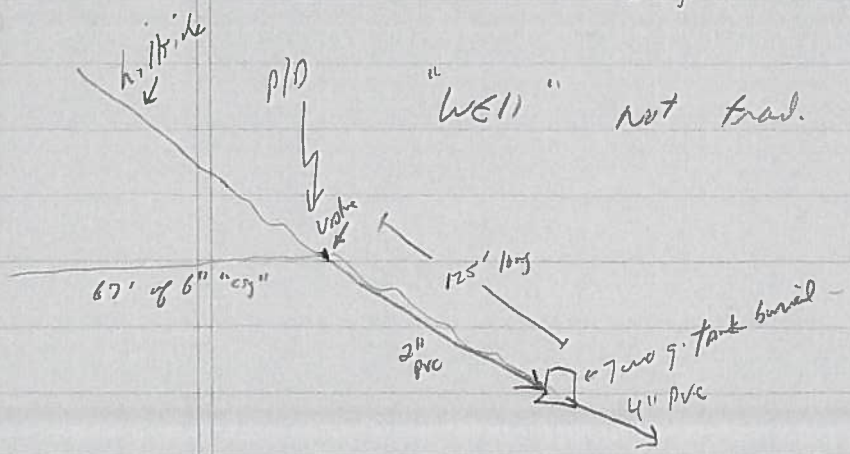
Grant = Pres.

Grant ext. from well flow @ 12 gpm

MEAS. - theoretical pipe flow Elev ~ 35', L ~ 125',
 Dia ~ 2", galvanized 5th p.p.

Int use only.

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



* mainline goes from every lot.

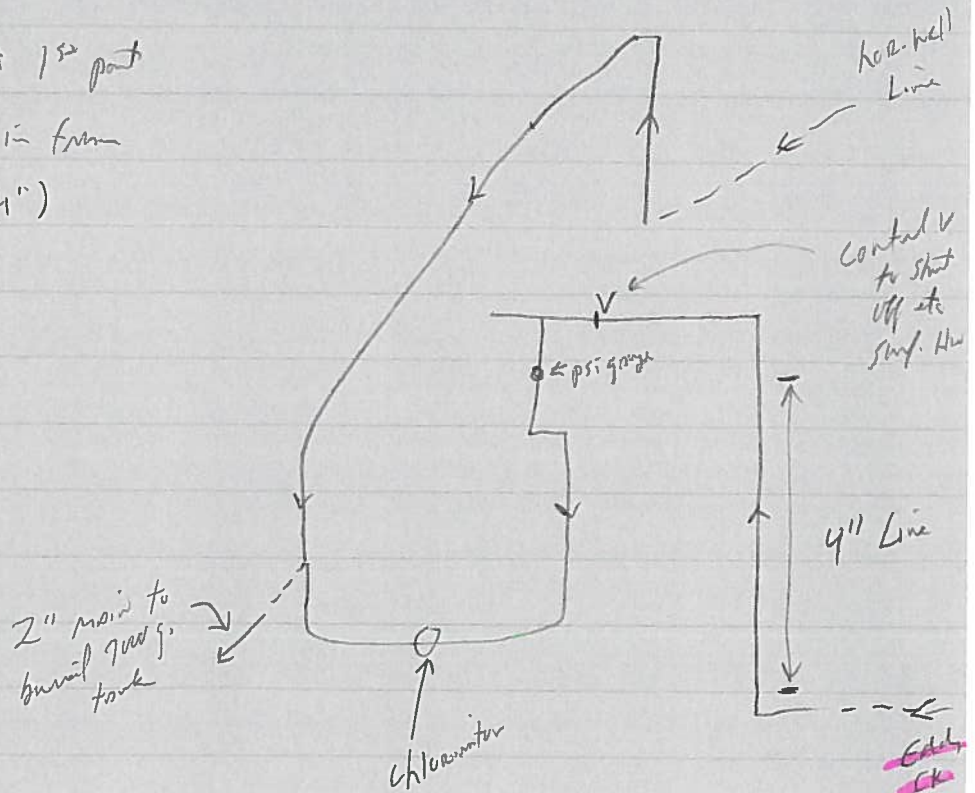
Follow-up, see above

Credit Lots who know!

1" main (combined from 2 wells & surf water) follows all roads so goes thru by lots. just not aware any studs but lot owner low top into main & saddle valves.

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

12 green steel below upper well



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

Photos

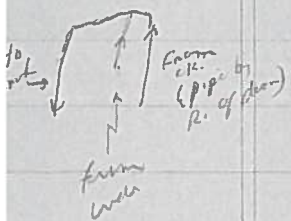
2) Look in steel where surf. & upper well H₂O can join, then to buried tank.

1) Steel of Lines - upper well uphill ~125'

3) Lower well

4) Typical Plan

$$\frac{3.1}{18.0}$$



65-12998

Eddy Creek

~~Acres~~ ~~Armed~~

1 P/O - goes to join gun & tank (see upper well)

~ 500/600' from creek to steel.

~~Buried 4" pipe~~ - nothing to see at creek so no photo.

get elev. D from top for est. flow.

~~Creek flow good now - this area doesn't get flow.~~

65-12999

Lower well

about plot to upper well W.R.

8" > 97' (?) - any lg? - look for 2nd pg
prob some down (blow) is most likely same drill

2 hrs. 50 min., 2" inside - no tags etc.

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

Found some other well, & here ~ 300' deep.

" had tested @ 25 gpm sometime in past (not sure when).

looks into 4" machine dirt system

$$\frac{(8.8)(.7)(2)}{(2.31)(20) + ?} = ? \text{ cfs}$$

Field Exam pictures copied from WR No. 65-12999.



Piping from surface water POD.



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



Lower well (well #2 on topo)



Typical place of use per Field exam notes.

CONVERSATION MEMORANDUM

DATE 9/14/93FILE 65-12998NAME OF PARTY Grant Yearsley 462-3872-12999EMPLOYEE Steve Lister

RE: _____

TENATIVE appt. Wed 9/15@ 2:30 / 3:00

Real Estate Office, Crown - 15th business
on R. As come into Crown from
South.

Meet him there - Mrs. Yearsley said
could radio him if he's @ somewhere.

9/15 4:45 - Run out of time today. Spoke to
Linda Yearsley - will reschedule with
Grant asap. She said this was not
a problem.

10/1 4:10 NO answer

10/4 4:25 NO answer - left msg - hope to do this
Wed or Thurs A.M. 10/6 or 10/7

10/6 Appointment 9:15 Thursday 10/7
meet at Real Estate office - Crown



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. 65-12998

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,

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. 65-12998

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. 65-12998

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