Form 219
6/92

RECEIVED
JAN 0 5 1999
DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 37-08480

1. Owner: Alfred LaPeter Phone No (208) 726-7888

Current Address: PO Box 3801, Ketchum, ID. 83340

2. Accompanied by: same as above EXAM DATE: 90ct1998

Address: Phone No.

Relationship to Permit Holder:

3. Source: Groundwater tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-08465, -08480

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

C. DIVERSION AND DELIVERY SYSTEM

(Lot 2) 37-08465 Licensing Exam 7/24/91
(Lot 6) 37-08480 " " " 10/19/98

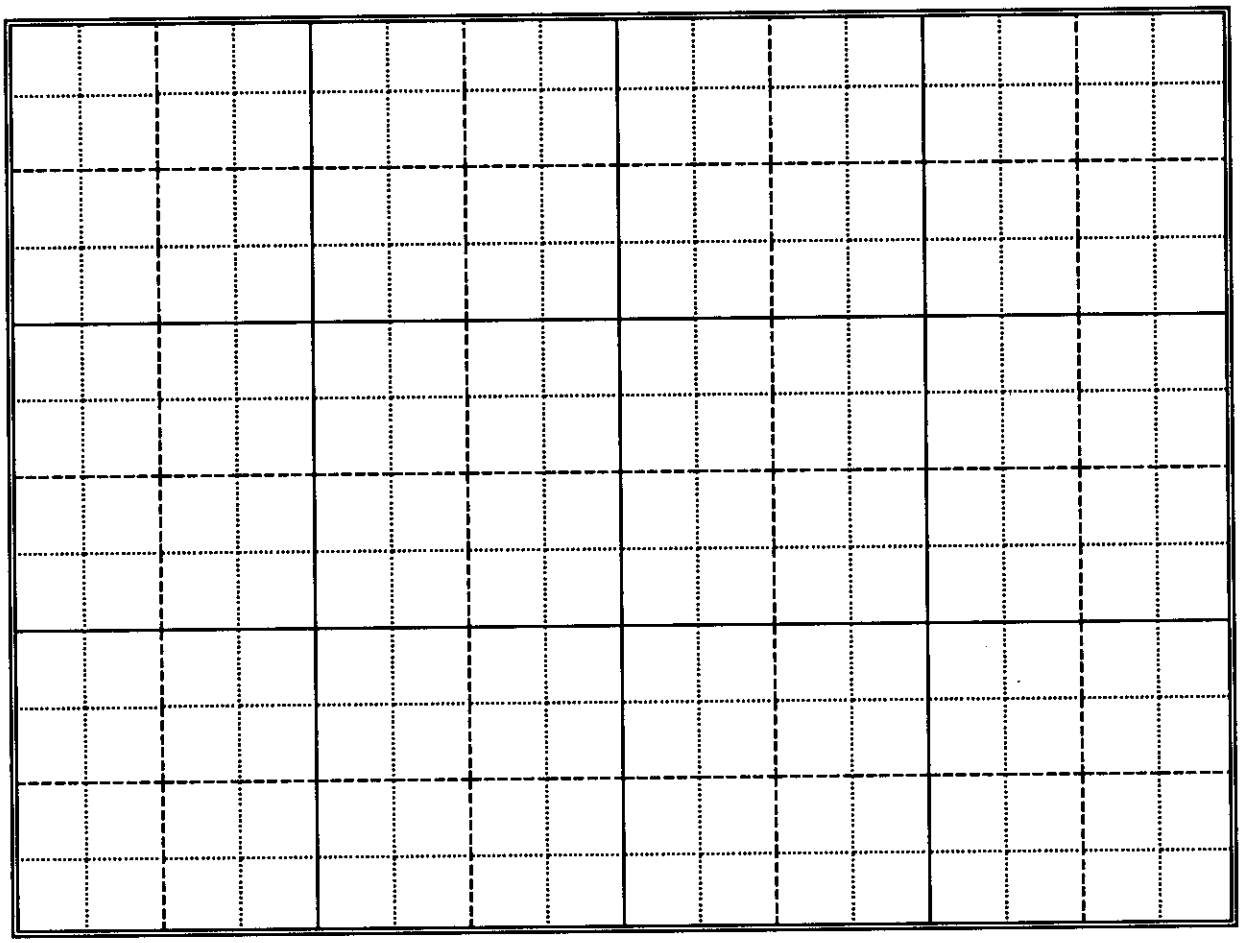
1. **Point(s) of Diversion:**

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		NW	NW	SE	01	04N	17E	BLAINE	FIELD EXAM/SUBD. PLAT MAP
									GPS A0007838

2. **Place(s) of Use:** Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	17E	01														3.0			3.0
																AES			
																D			

3. **Delivery System Diagram**: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____.

____ Copy of USGS Quadrange 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

✓ SUBD. PLAT MAP

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
EPS A0007835		7.5		BERKLEY	

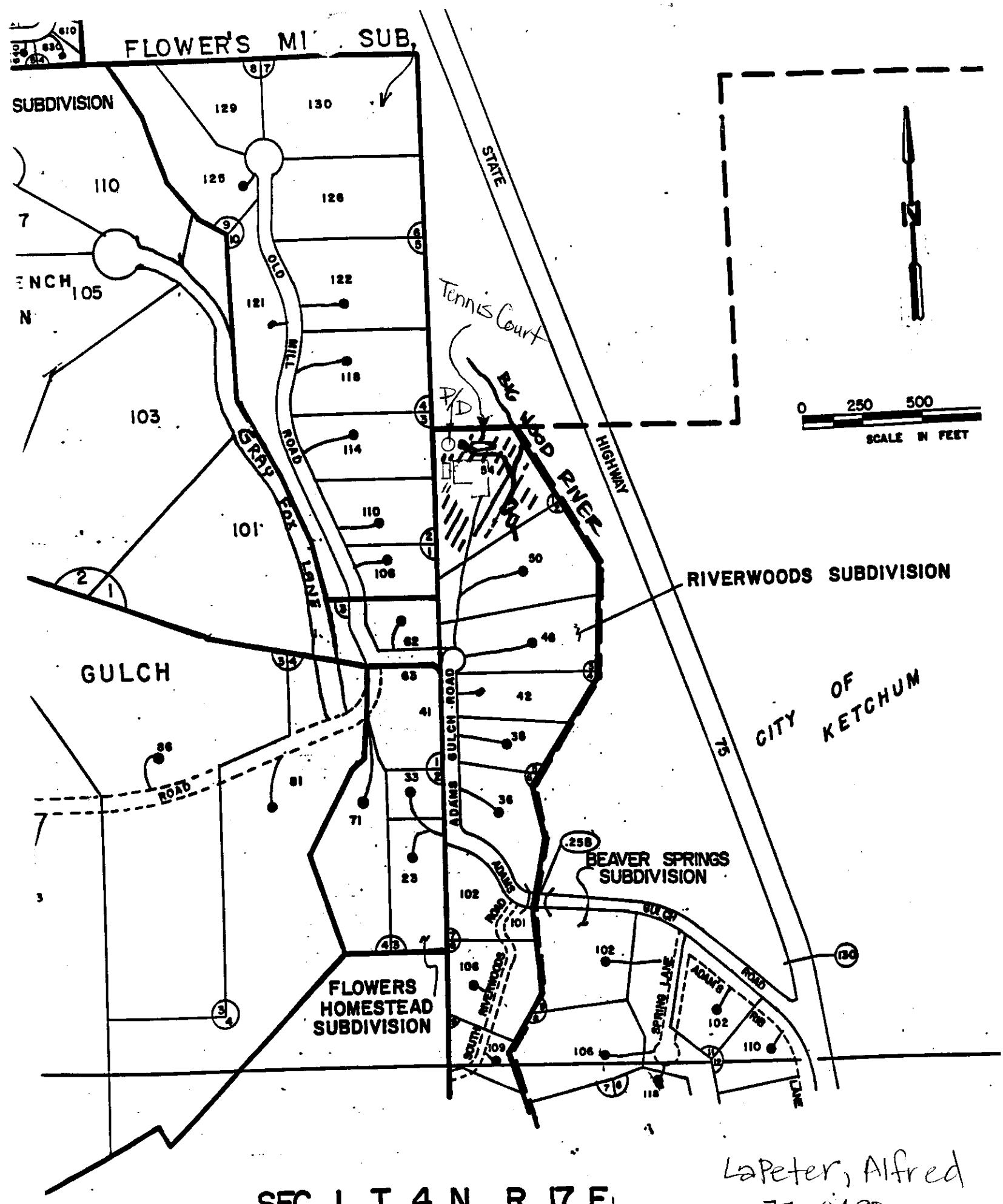
Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
FLOW RATE TAKEN						
SEE TOP OF SCHEMATIC						

2. **Measurements:** _____



SEC. 1, T. 4 N., R. 17 E.

LaPeter, Alfred
37-08480

ADDITIONAL COMPUTATION SHEET

Water Right #37-08480

Domestic Use Without Lawn: **1.2 ac ft**

Main Home =Used 365 days

Guest House=Used 365 days

Irrigation Use:

Manicured Lawn	1.4acres(3.5)	4.9 ac ft
*Wooded Area	*1.6 " "	*3.1 " "
TOTAL	**3.0 acres**	**8.0 ac ft**

*Irrigation for wooded area used mostly in July & Aug
62 days/215 days = 29% season

4 zones for Wooded Area 30 min/zone = 2 hrs/day

0.30 cfs (1.9835) (215) (0.29) 2/24 = 3.1 ac ft

Aesthetic Use:

Pond #1 receives only groundwater. After well was shut off, I viewed Ponds #2 & #3 50% filled. According to LaPeter, ponds #2 & #3 ponds are excavated below the water table and the natural water is 50% of pond volume.

surface area x irrigation requirement = evaporation
0.08 acre x 3.5 = 0.28 ac ft
volume ac ft x fill one time = pond volume
0.2 acre x 50% = 0.10 ac ft

TOTAL **0.38 ac ft**

Can the pond(s) be filled in less than 24 hours under the natural flow component, i.e. capacity of well (0.30 cfs)?
Yes, see computations below.

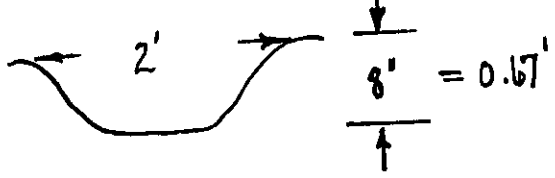
0.30 cfs = 135 gpm = 194,400 gal/day = 0.60 af = 26,000 cubic ft
pond volume = 0.20 af 8,700 " " "

Since the ponds can be filled in less than 24 hours, they can be viewed as wide spots in the ditch, and, according to Page 5 of the hand out diagrams dated 4/16/97, do not need descriptions for storage or diversion to storage.

Because there appears to a possibility of an additional diversion from the Big Wood River, I will recommend the storage component for aesthetic as 0.38 or 0.4 acre feet for the permit. However, if there is a possible violation of diverting illegally from the river, this might change the recommendation.

Permit Rate		Recommended Rate	
Domestic	0.06 cfs	Domestic	0.06 cfs / **1.2 ac ft**
Irrigation	0.09 cfs	Irrigation	0.09 cfs / **8.0 ac ft**
Aesthetic	1.05 cfs	Aesthetic	1.05 cfs / **0.4 ac ft**

* DITCH X-SECTION
↖ see schematic below
measured here



$Q = AV$

Area (0.67) 2'

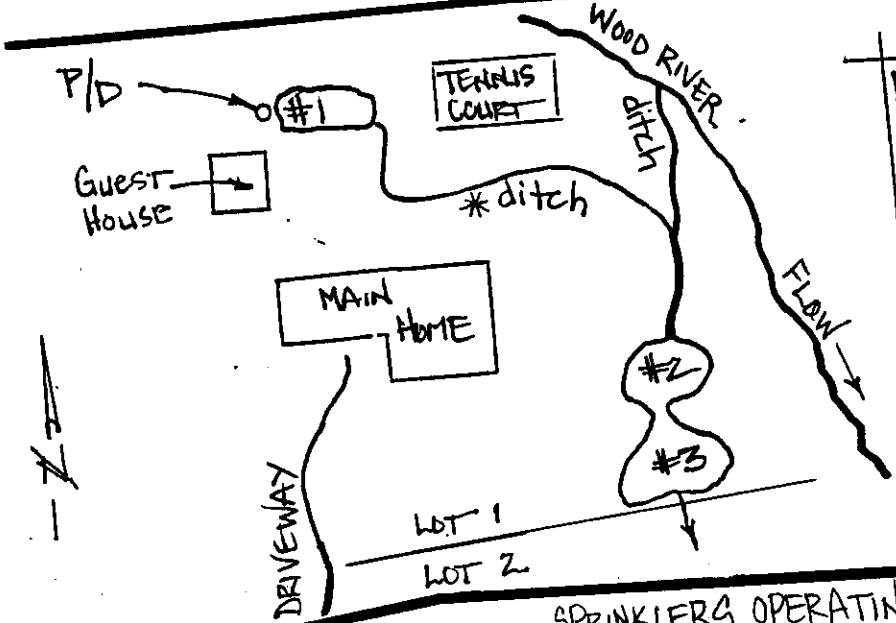
= 1.33

Velocity = 10'/12sec

V = 0.83 ft/sec

$Q = 1.33(0.83)$

$Q = 1.1$ cfs



Pond Sizes

#1 = 40'x15'x2' - 0.03af

#2 = 40'x40'x2' - 0.07 "

#3 = 30'x40'x2' = 0.06 "

surface ac.ft. = 0.08 af

Volume " " - 0.2

THEORETICAL RATE

SPRINKLERS OPERATING

$Q = \frac{8.8\ (HP)\ EFF.}{TDH}$

$Q = \frac{8.8\ (7.5)\ .70}{15 + (60)(2.31)}$

$Q = \frac{46}{154} = 0.30$ cfs

WITHOUT SPRINKLERS

$Q = \frac{8.8\ (7.5)\ 0.70}{15+(5)2.31}$

$Q = \frac{46}{27}$

$Q = 1.73$ cfs

Open Discharge +

7.5 HP = verified K. Smith Wood Rvr Drilling Nov 1998

LIFT = area well logs (average)

PSI = owner gage

Examiner: Satterlee
10 October 1998
LaPeter, Alfred
37-08480



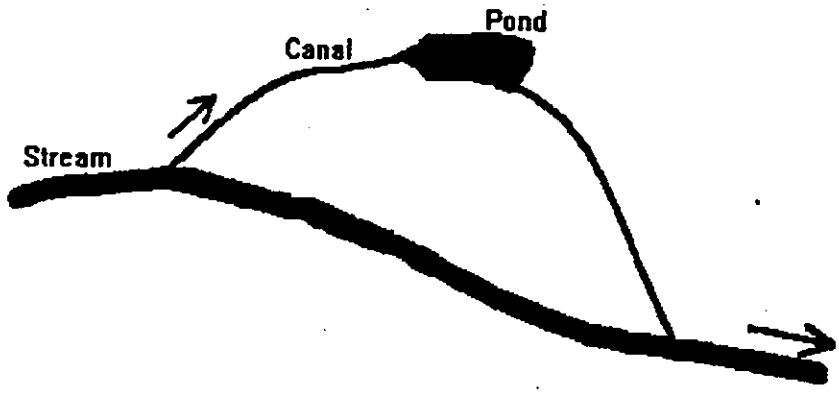
Big Wood River 8-10-92 Flight Date

LaPeter, Alfred

37-08480

and serves as a temporary holding tank or "re-regulation pond" for a natural flow right), it can be viewed as part of the conveyance system and will not need to be described as a storage right.

The second kind of offstream storage is where water is diverted through a reservoir and back into the natural channel. The end use of the water is relatively non-consumptive; however, significant evaporation from the reservoir surface may cause the appropriation to be seen as a consumptive use of water.



This scenario usually requires a storage component, a diversion to storage component, and a natural flow component. However, as in the previous scenario, if the pond would fill in less than 24 hours under the natural flow component of the appropriation, it can be viewed as a "wide spot in the ditch", which does not need to be described as storage. This scenario is usually asociated with small appropriations for aesthetic, wildlife, and recreation purposes.

04/16/97
Hand Out Diagram
Page 5



LaPeter, Alfred
37-08480

POND #3

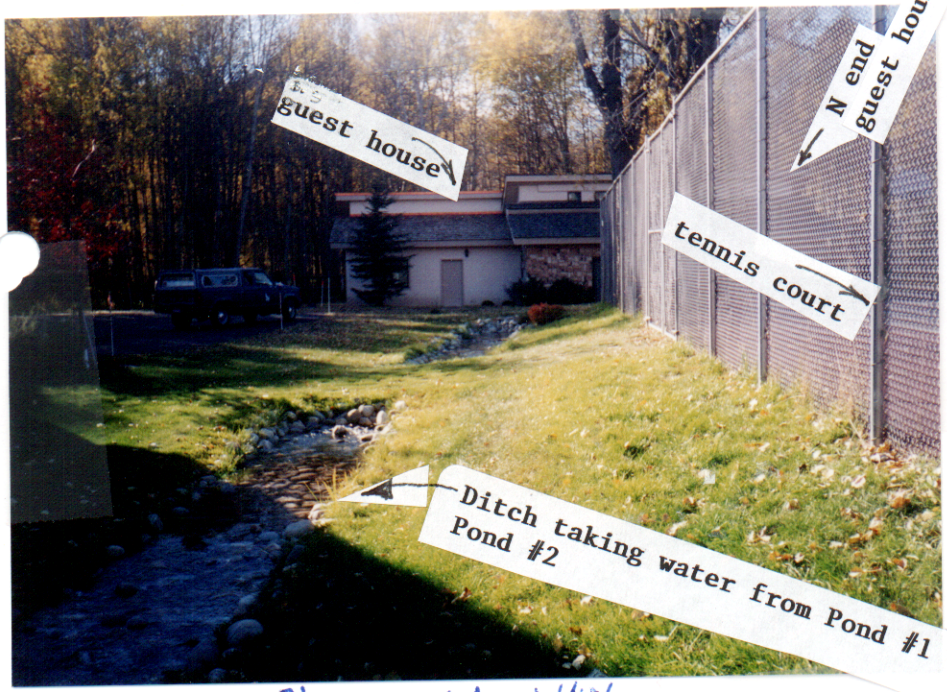


PHOTO LOOKING W'LY

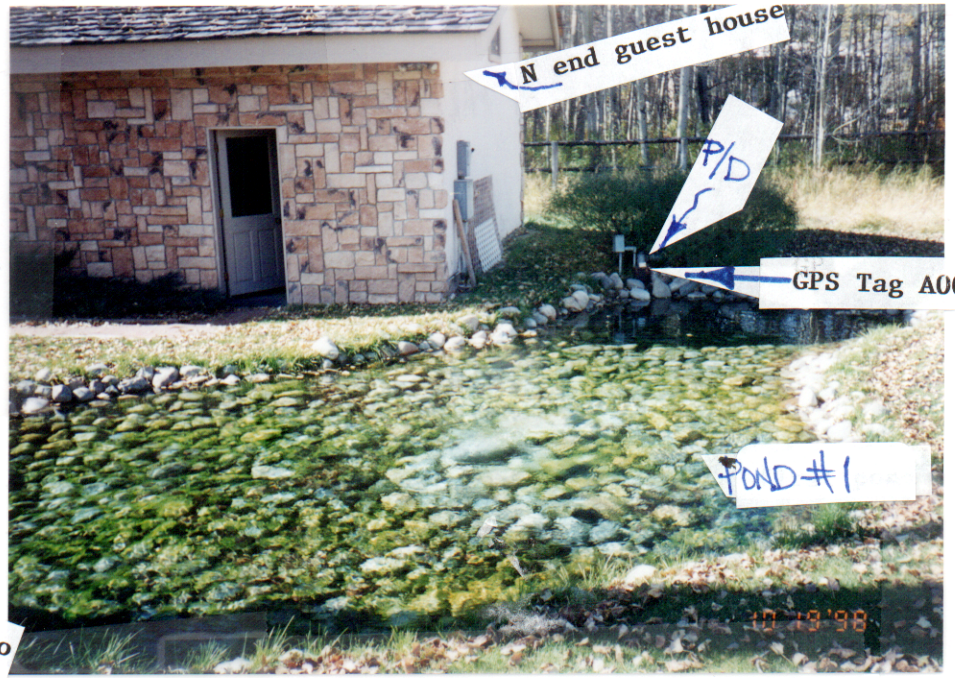


PHOTO LOOKING W'LY



photo looking NW'ly



photo looking S'ly

PHOTOS TAKEN DEC. 1998
EXAMINER: SATTERLEE

LaPeter, Alfred
37-08480

Form 238-7
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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.

USE BLACK INK. WRITE IN TYPE.

RECEIVED
FEB 4 1985
Department of Water Resources
Southern District Office

1. WELL OWNER Lafeter bought from
Name NORMAN E. FULLER
ALDEN ROSE
Address P.O. Box 1066 SUN VALLEY, IDA 83353
Owner's Permit No. 37-08480

2. NATURE OF WORK
☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION
Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

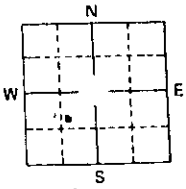
Thickness	Diameter	From	To
.250 inches	8 inches +	1 feet	53 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

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 5/16 inches by 4 inches

Number	From	To
102 perforations	28 feet	45 feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____ Model No. _____
Type _____
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 16 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 _____

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name RIVERWOOD
Lot No. 1 Block No. _____
County BLAINE
SE ¼ SW ¼ Sec. 1, T. 4 N, R. 17 E.

7. WATER LEVEL
Static water level 4½ feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA
☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
	UNTESTED	

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water R
8"	0	1	BROWN TOP SOIL		
"	1	18'	LARGE BOULDERS & GRAVEL	X	
"	18	23	PEA GRAVEL & SAND	X	
"	23	32	GRAVEL	X	
"	32	40	BROWN CLAY & Light GRAVEL	X	
"	40	47	CEMENT GRAVEL	X	
"	47	53	LARGE GRAVEL & SMALL BOULDERS	X	
"	53		BROWN SANDSTONE		

Fee Required For Irrigation Use

10. Work started 26 OCT 84 finished 30 OCT 84

11. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
RAY ROESSLER
Firm Name WRL DRILLING Firm No. 262
Address 129 5TH AVE E. GOODING, IDA 83330 Date _____
Signed by (Firm Official) Ray Roessler
and
(Operator) Ray Roessler

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

E. NARRATIVE/REMARKS/COMMENTS

E. NARRATIVE/REMARKS/COMMENTS
FROM: Georgia Satterlee
DATE: 16 December 1998
RE: 37-08480

On 19 October 1998 I met with Al LaPeter to conduct a field examination for the permit. The permit is for groundwater to serve domestic, irrigation, and aesthetic uses on Lot 1 of the Riverwoods Subdivision.

The well is located in the north-west corner of the lot and is also described in the NWNWSE¼ of Section 1, T04N, R17E with the attached GPS tag A0007838. The place of use is located in the NWSE¼ of the same section.

The Riverwoods Subdivision has its own well (on Lot 6) called to in the permit 37-08478. I conducted the field examinations for both permits simultaneously.

One measurement of the well was made using the float method, which was 1.1 cfs. The measurement was accomplished in the area of the ditch that runs parallel with the tennis court. Ken Smith of Wood River Drilling said the well has a 7.5 hp pump. A theoretical calculation with the sprinklers on using 60 PSI, shows a diversion rate of 0.30 cfs, and a theoretical calculation with the sprinklers off with open discharge shows a rate of 1.73 cfs.

The domestic use is for two homes. Mr. LaPeter said both homes are lived in all year and the home(s) are valved for domestic use from the well on Lot 1. However, according to LaPeter, at this time, the domestic use is diverted from the subdvision's well located on Lot 6.

The irrigation is for manicured lawn area, in addition to the wooded area. There are 9 zones for irrigation on timer system. The applicant said 5 zones are for the manicured area and the other 4 zones are for the natural areas. The zones for manicured lawn and flower beds are operating 10-15 minutes every day. The native grasses and trees, i.e. the wooded area, are irrigated 30 minutes per zone several times a week.

July and August are the highest time for irrigation and the wooded area is watered primarily during these months. While walking around the property, I saw a variety of sprinklers, i.e. Rainbird R50 Turfbird, Toro 700 Series Pop-up sprinklers, and impact Rainbird Maxi-Birds.

The well on Lot 1 is used primarily during the irrigation season. The groundwater is discharged into Pond #1. From Pond #1 the water diverts into a ditch. The ditch runs approximately 300 feet before it dumps into a second ditch. The second ditch appears to have the potential of receiving water from the Big Wood River (unknown flow rate of the second ditch). The second ditch then dumps into Ponds #2 and #3. From Pond #3 the water is diverted to other ditches and ponds throughout the subdivision.

My recommendations are primarily for the permit which is groundwater. The issue of diverting from the Big Wood River needs to be addressed.

Please see Additional Computation Sheet for breakdown of rates and volumes.

Have conditions of permit approval been met? √ yes ___ no

F. FLOW CALCULATIONS

Measured Method:

✓ Additional Computation Sheets Attached

See Additional Computation Sheet

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: Irrigation Use: Wooded Area = 3.0 [3.5] = 10.5 Manicured Lawn = 8.0

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = 3.0 [3.5] = 10.5

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = 0.09(215)1.9835 = 38.3

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = 8.0

2. Volume Calculations for Other Uses:

See Additional Computation Sheet
" Schematic Theoretical Rate(s)
Measured Rate

Exam Fee Limit	2.0
Permit Rate	1.11
Measured Rate	1.10
Recommendation	1.10

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
Domestic (No Lawn) 2 homes	1/1	12/31	0.06	1.2
Irrigation	4/1	11/1	0.09	8.0
Aesthetic	4/1	11/1	1.05	0.4
Totals:			1.10 Measured Method	9.6 a.f.

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 Georgia Satterlee Date 16 Dec 98

Reviewer _____ Date _____

SEAL