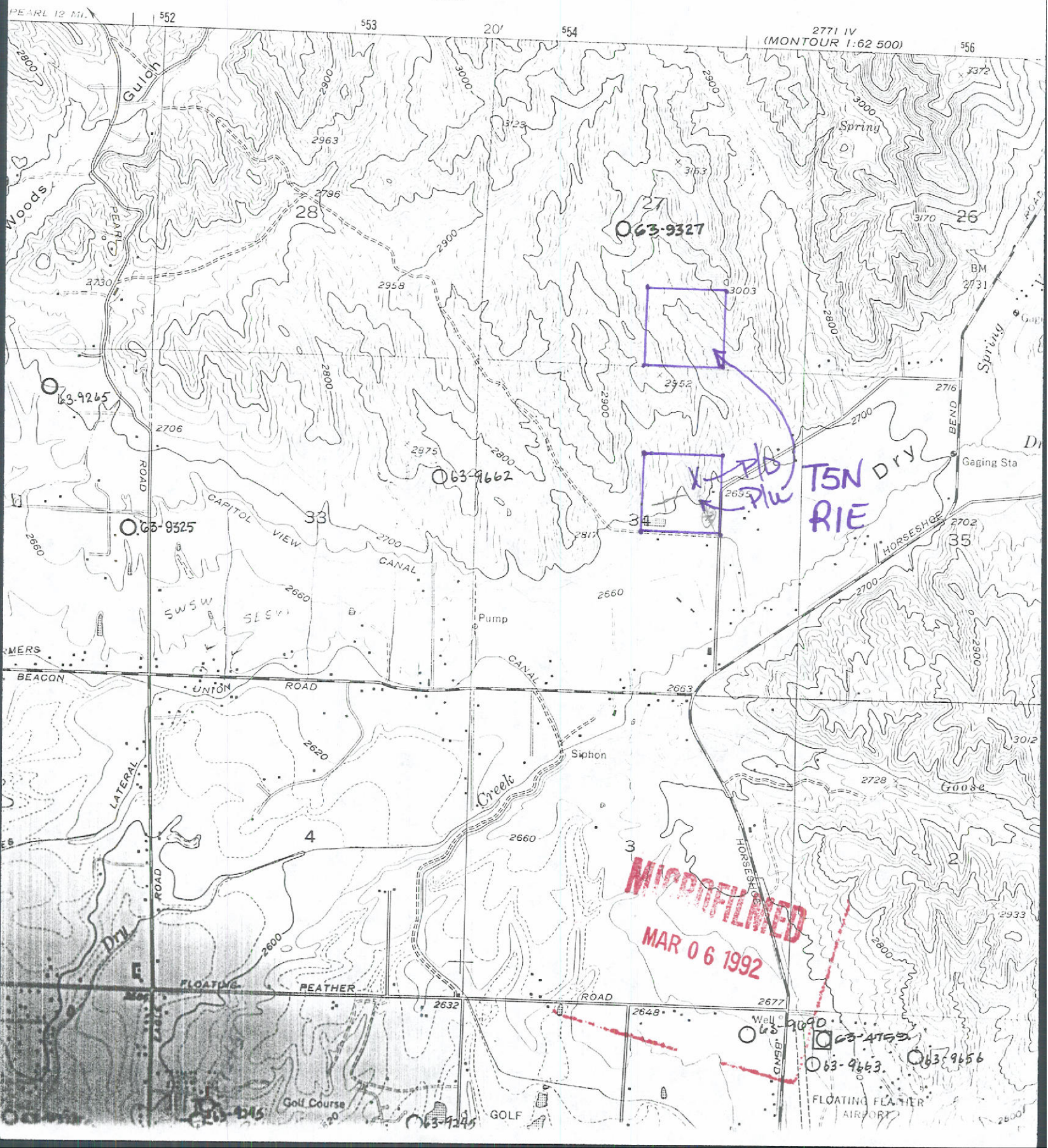
TATES
THE INTERIOR
SURVEY

No quit lots in P/D, Plw



63-11505



9000 0 9000 18000 Miles

N
W E

POD-Water RightRight POD
POU-Water RightRight POU
Sections

MICROFILMED
MAR 1 1 2003


T5N R1E S34
SWNE



IMPOUNDMENTS EAST OF P/D



MICROFILMED
MAR 1 1 2003



10" free flowing artesian well



Lot 5

P/u ——

@ P/D

MICROFILMED
MAR 1 1 2003

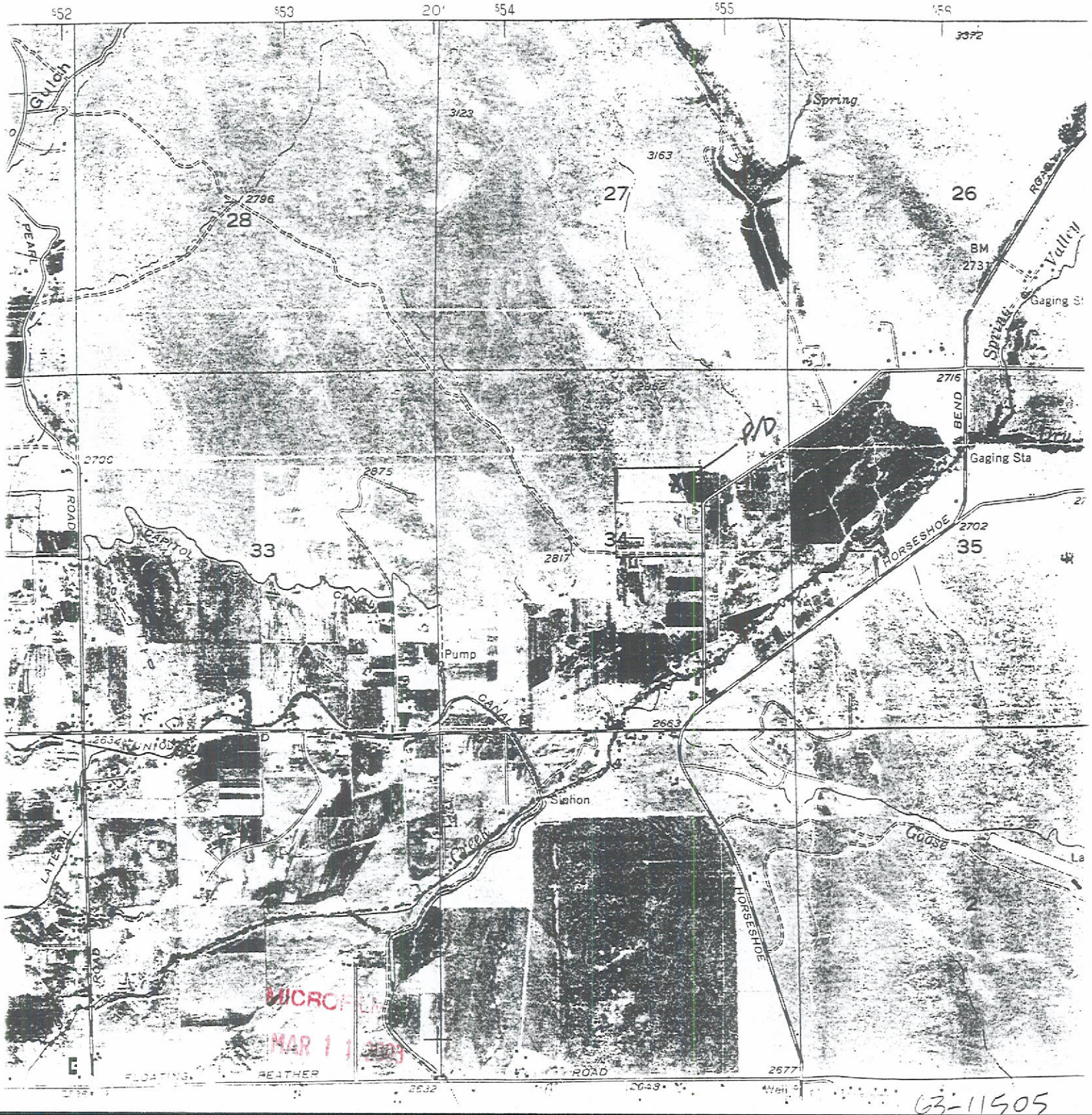
63-11505

R RESOURCES

RIOR

T5N
R1E
Sec 34
SWNE

No Gov
Lts



MICROFILM
MAR 1 1 2003

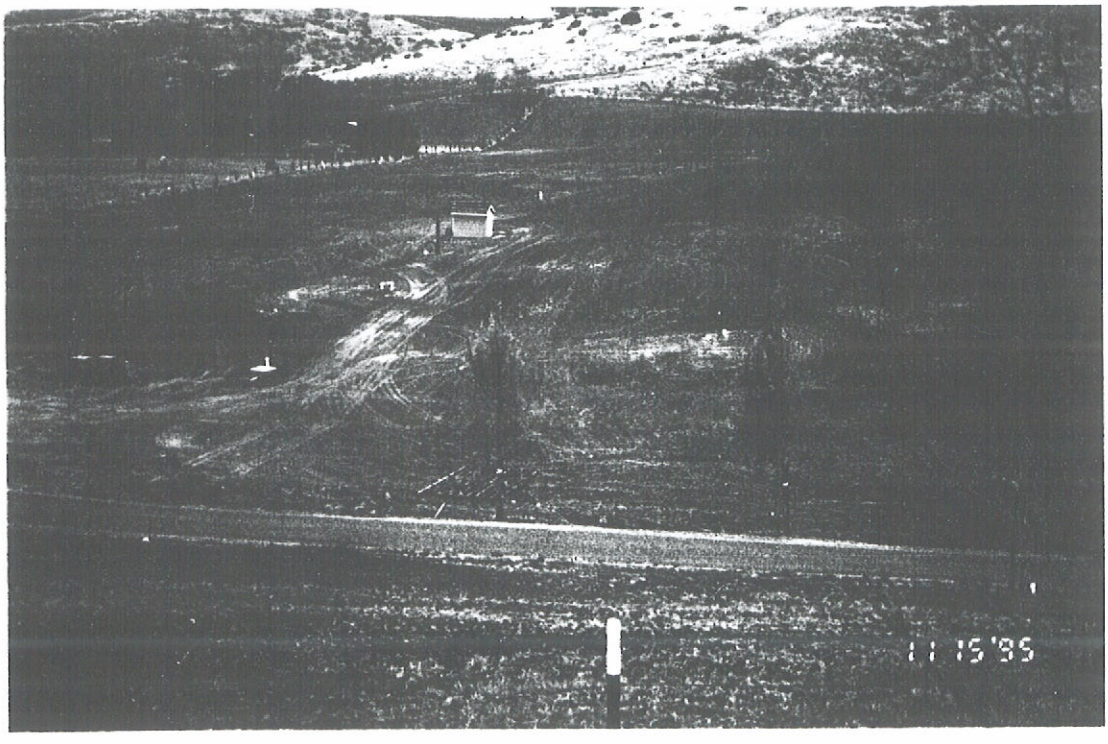
63-11505



– P/U

– Impoundment West of P/D

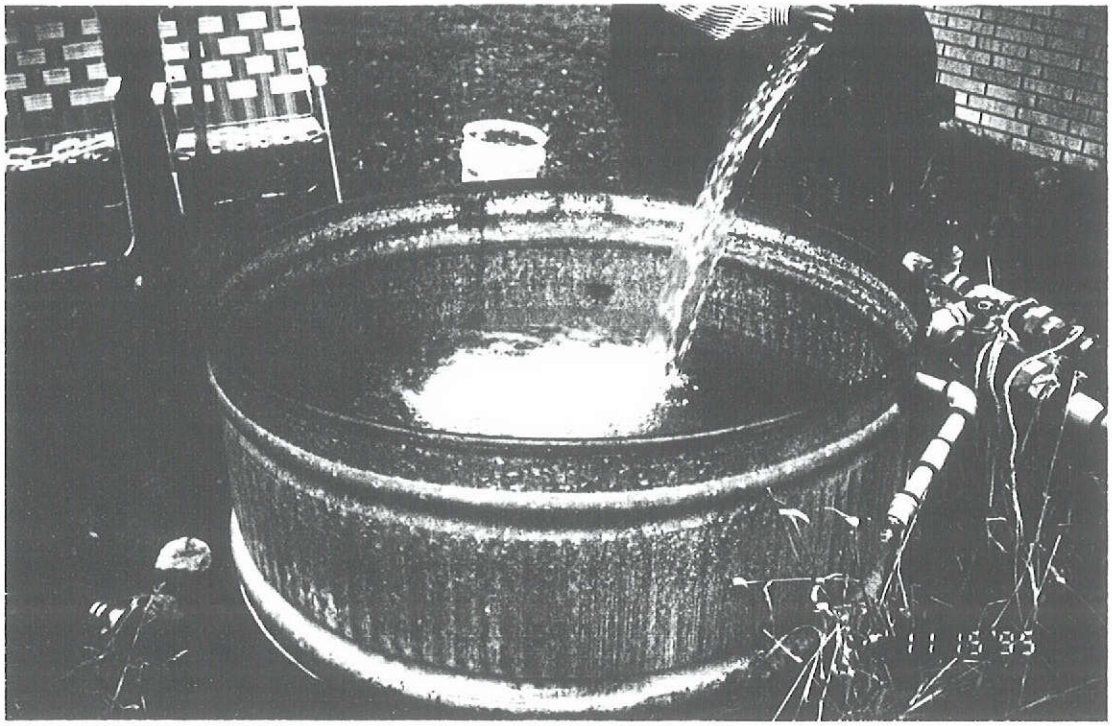




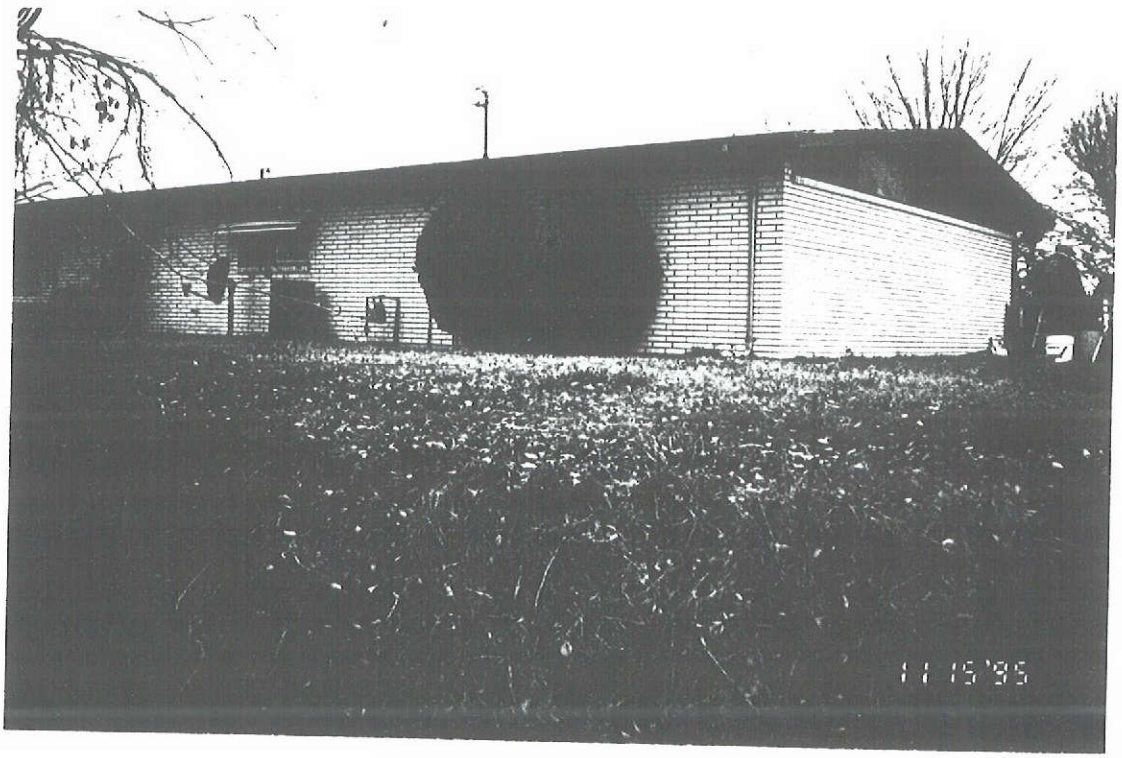
Subject at

MICROFILMED
MAR 1 1 2003

63-11505



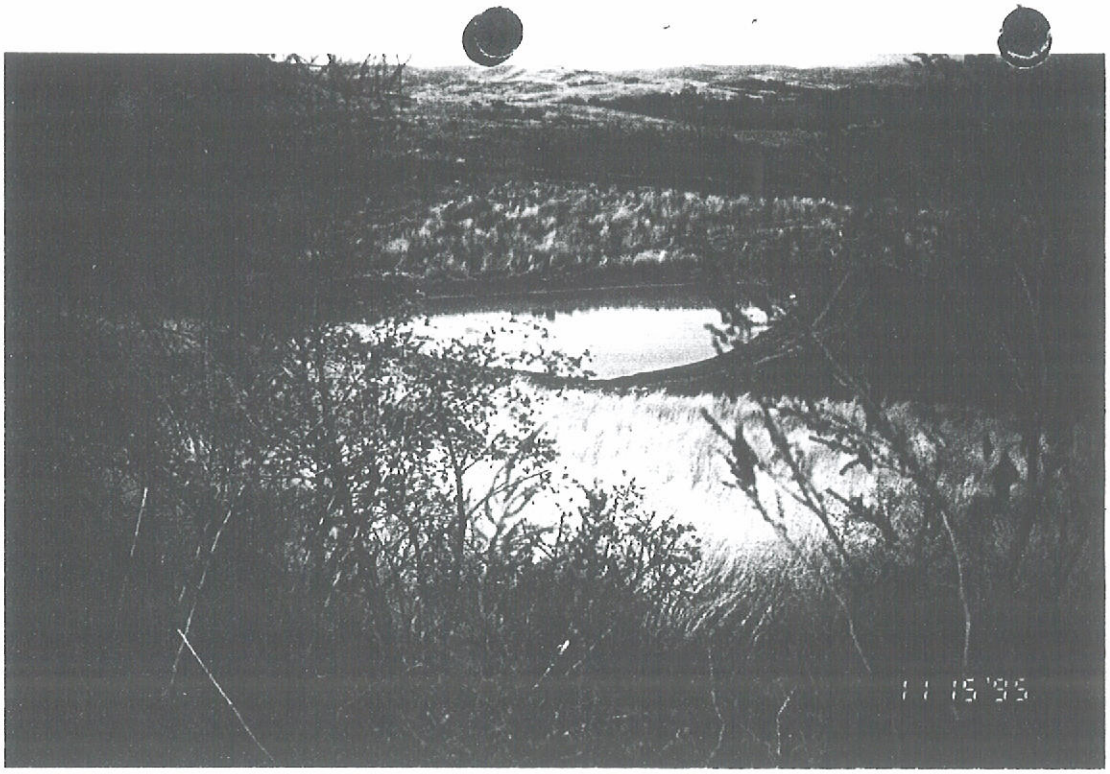
2" free flowing artesian well



P/u
P P/D

MICROFILMED
MAR 1 1 2003

63-11505



IMPOUNDMENTS EAST OF P/D



MICROFILM
MAR 1 1 2003

63-1505

Memorandum

TO: Tim Luke
From: Rob Whitney
RE: Inspection of Connolly LT Geothermal Well #63-11505
Date: January 25, 1993

Pursuant to the complaint you received from Mr. Mason, I conducted a field inspection and contacted the well owner to determine the extent of use from the subject well. There are two small impoundment structures that are apparently being used to catch water from the well during additional development and also to supply stockwater under the permitted domestic use. These impoundments will ultimately catch water that has been used for heating of homes and for stock. It did not appear that Mr. Connolly was using water in excess of the permitted use. I discussed this with Mr. Connolly this date to verify these assumptions which seem to be correct. Additionally, attached is a field report, well inspection form and photos for your file.

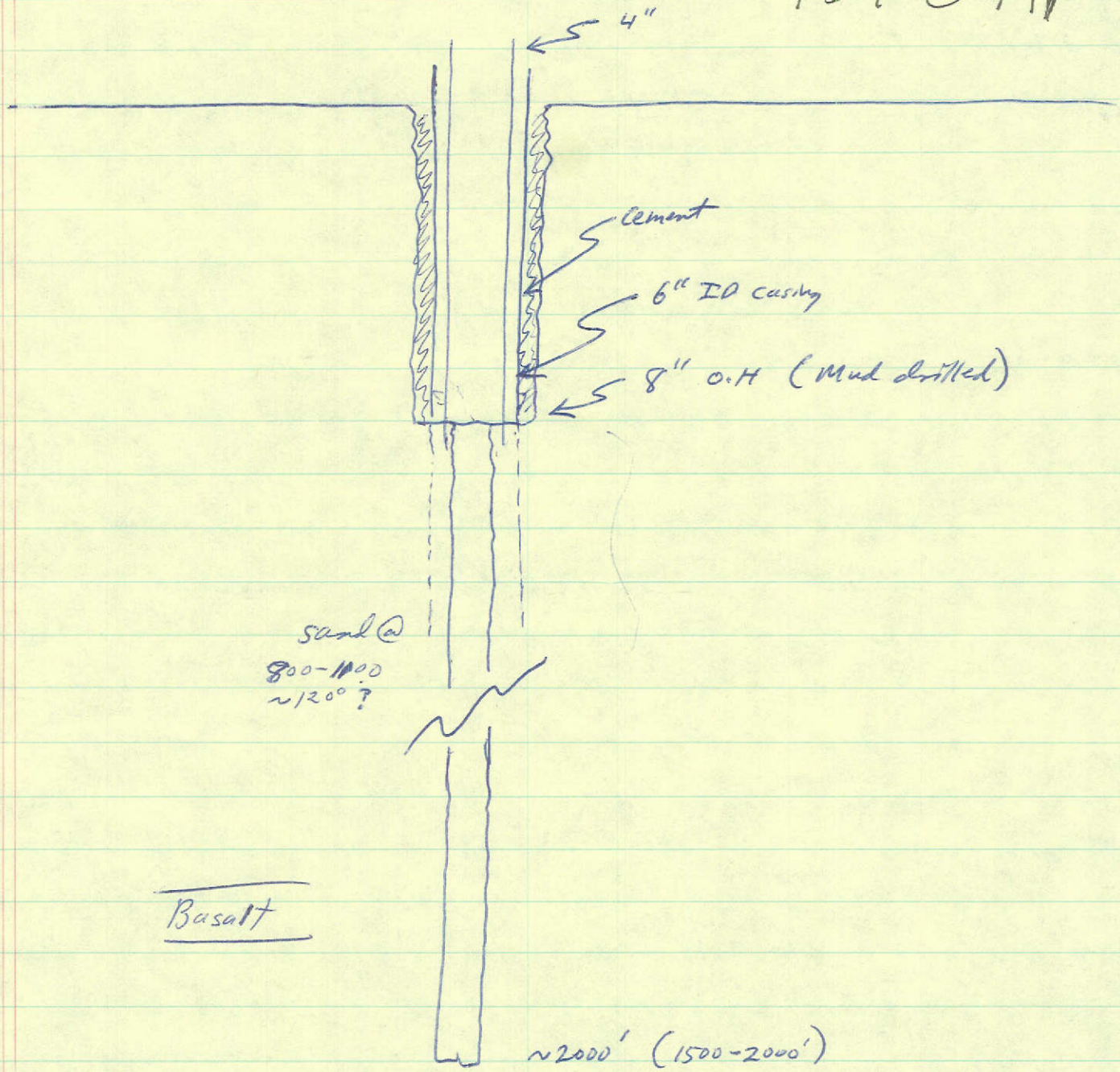
RBW

RBW

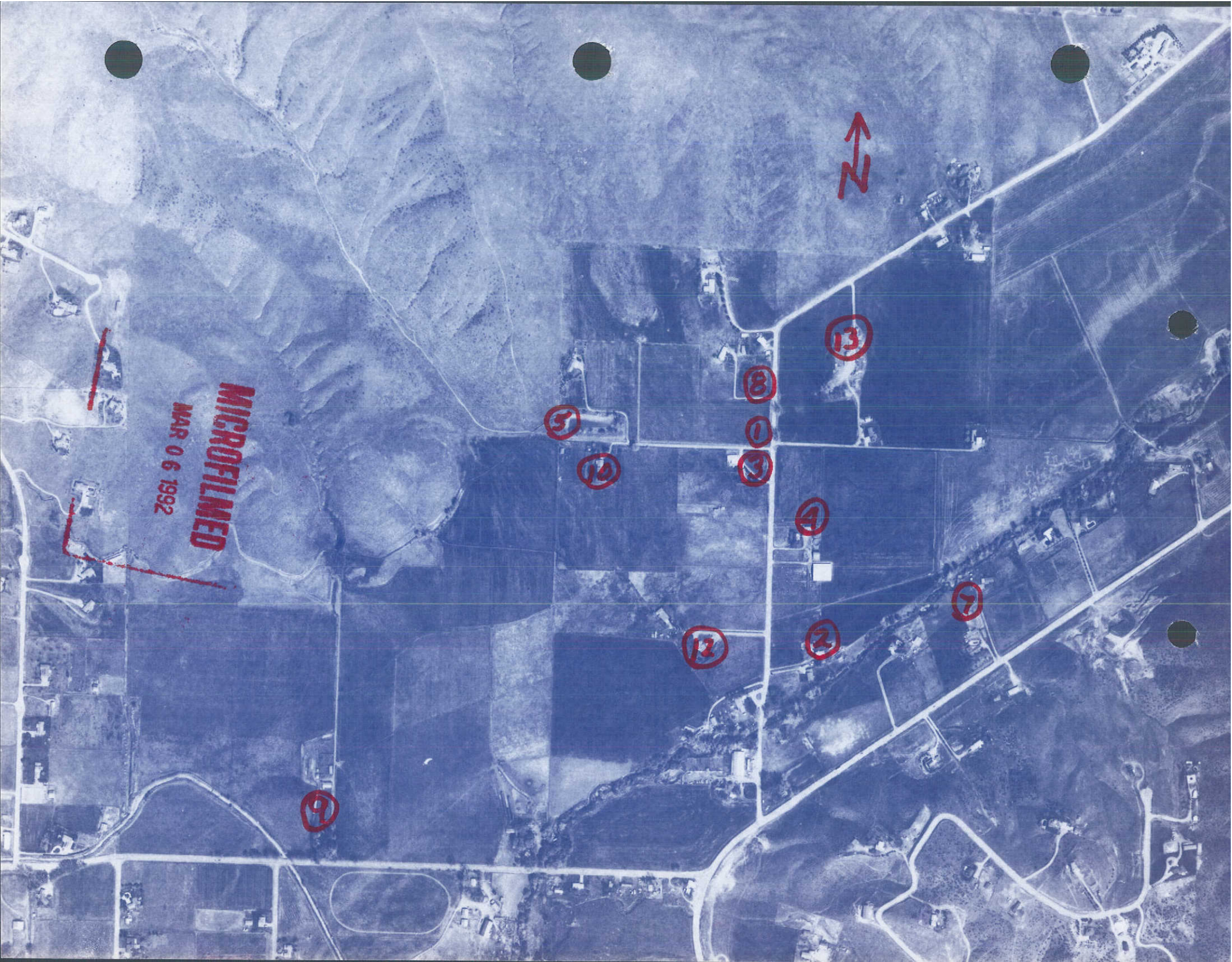
Called Mr. Mason on 1-28-92
After he talked w/Tim Luke to
explain mr. Connolly's activities. I gave him
my phone # and said to call if he needed
anymore info.
RW

RECEIVED
FEB 14 1995

Wally Connolly
939-0441



MICROFILMED
FEB 14 1995


N
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MICROFILMED
MAR 0 6 1992

200 GPM

crm 238-7
178

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

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 [illegible]

Address [illegible]

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

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
[illegible] inches	[illegible] inches	+ [illegible] feet	[illegible] 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 [illegible] inches by [illegible] inches

Number		From	To
1040	perforations	21 ft. feet	42 ft. 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 [illegible] Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Seating 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 [illegible]

6. LOCATION OF WELL

Sketch map location must agree with written location.

N
W E
S

Subdivision Name _____
Lot No. _____ Block No. _____
County _____
¼ ¼ Sec. [illegible] T. [illegible] N. R. [illegible] E.

7. WATER LEVEL

Static water level 10 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 _____

8. WELL TEST DATA

☐ Pump ☒ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping level	Hours Pumped
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
[illegible]	0	2	Top soil		X
[illegible]	2	6	Brown clay		X
[illegible]	6	10	sand with some clay		X
[illegible]	10	20	sandy clay, little water	X	
[illegible]	20	30	Santa clay		
30	30	31	sand + gravel with some clay formed to 12" hole	X	

[illegible] Secured
Water Regional Office

10. Work started [illegible] finished [illegible]

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name [illegible] Firm No. [illegible]
Address [illegible]
Signed by (Firm Official) [illegible]
and
(Operator) [illegible]

MICROFILMED
MAR 06 1992

USE ADDITIONAL SHEETS IF NECESSARY — GIVING TO THE WATER RIGHT TO YOUR DOMAIN AGENT

(1)

Form 238-7
0/82

STATE OF IDAHO
ARTMENT OF WATER RESOURCE

USE TYPEWRITER OR BALLPOINT PEN

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 Phil Huff

Address Eagle, Idaho

Owner's Permit No. _____

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	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

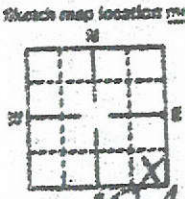
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ 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 18 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 _____
Lot No. _____ Block No. _____
County Ada
SE ¼ SE ¼ Sec. 34, T. 5 N, R. 1 E B.M.

MICROFILMED MAR 06 1992

7. WATER LEVEL

Static water level 14 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
50	28	1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
11"	0	1	Brown topsoil		X
11	1	4	Brown clay		X
11	4	12	Brown sandy clay		X
11	12	15	Brown sand & gravel		X
11	15	18	Brown sandy clay		X
8"	18	25	" "		X
8"	25	32	Brown sand & gravel		X
8"	32	45	Blue clay		X
			6" PVC casing from 1' to 19'		
			4½" perforated from 25' to 32'		
			TD 45'		

RECEIVED
Department of Water Resources
JUL 1 1996
Department of Water Resources
Western Regional Office

RECEIVED
JUL 1 1996
Department of Water Resources

10. Work started 6/3/96 finished 6/3/96

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name [illegible] Firm No. 212
Address _____ Date _____
Signed by (Firm Official) [signature]
and
(Operator) [signature]

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

(2)

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

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 Steve Purvis
Address Brookside Ln Eagle Ida.
Owner's Permit No.

7 WATER LEVEL
30

2 NATURE OF WORK
X New well ☐ Deepened ☐ Reconditioned
☐ Abandoned (describe method of abandoning)

8 WELL TEST DATA
X
50 GPM — TR

3 PROPOSED USE
X Domestic X Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste ☐ Other (specify type)
☐ Other

9 LITHOLOGIC LOG

Water Bearing	Depth From	Depth To	Material
10	0	2	Top Soil
30	2	22	Sand & Gravel
	22	23	Sand & Gravel
	23	48	Sand & Gravel & Clay

4 METHOD DRILLED
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
X Cable ☐ Dug ☐ Other

5 WELL CONSTRUCTION
Casing schedule: X Steel ☐ Concrete ☐ Other

Thickness		Diameter		From	To
.250	inches	10	inches	1 feet	22 feet
.250	inches	8	inches	24 feet	48 feet
	inches		inches	feet	feet
	inches		inches	feet	feet

Was casing driver shoe used? X Yes ☐ No
Was a packer or seal used? ☐ Yes X No
Perforated? X Yes ☐ No
How perforated? ☐ Factory ☐ Kelly X Torch
Size of perforations 1/8 inches by 2 inches

Number		From		To
40	perforations	22	feet	48 feet
	perforations		feet	feet
	perforations		feet	feet

Well screen installed? ☐ Yes X 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 X No ☐ Size of gravel
Packed from ___ feet to ___ feet
Surface seal depth X Material used in seal: ☐ Cement grout
☐ Puddling clay X Bell cement
Sealing material used: ☐ Cherry pit ☐ Temp. surface casing
X Overburn to cave depth
Method of grouting casing: ☐ Threaded X Welded ☐ Screw
☐ Other
☐ Concreted between casing

RECEIVED
DEC. 18. 1992
Department of Water Resources

RECEIVED
JUL 29 '991
Department of Water Resources
Western Regional Office

10
Work started 3/26/91 Finished 3/26/91

6 LOCATION OF WELL
Diagram must orient with compass location.
Subdivision Name
Lot No. Block No.
County Ada
SW 1/4 SE 1/4 Sec. 34 T. 3 N R. 1 E.W.

11 DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was released.
Firm name D&W Rigs Firm No. 332
Address 2067 Smiley Date 3/26/91
Signed by (Firm Official)
and
(Operator)

PLEASE SEE INSTRUCTIONS - RETURN THE WHITE COPY TO THE ADDRESS ABOVE

MICROFILMED
MAR 06 1992

(3)

RECEIVED
AUG 19 1983
Department of Reclamation

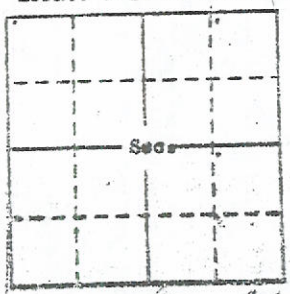
REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Dale & Tom Kinson
Address Rt 1 Boise Idaho

Owner's Permit No. none
NATURE OF WORK (check): Replacement well ☐
New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for:
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☑
8 "Diam. from 0 ft. to 40 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: 3/16 Material:
Steel ☑ concrete ☐ wood ☐ other ☐
(explain)
PERFORATED? Yes ☑ No ☐ Type of perforator used:
Size of perforations: 1/4 " by 3 "
76 perforations from 45 ft. to 55 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐ No. ☑ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal: Bentonite
Did any strata contain unusable water? Yes ☐ No. ☑ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☐ No. ☑
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County Ada
NW ¼ SE ¼ Sec. 34 T. 2 N R. 1 E

Size of drilled hole: 8 Total depth of well: 55 Standing water level below ground: 3 Temp. Fahr. * Test delivery: 50 gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test: 4" Rod Pump
Length of time of test: 12 Hrs. 30 Min.
Drawdown: 7 ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	7	Soil	no
7	45	Muddy Sand Blue Clay	no
45	52	Coarse Gravel Sand & Rock	yes
52	55	Hard Sandy Blue Clay Gravel	yes

Work started: Aug 1 1983
Work finished: Aug 9 1983
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name:
Address:
Signed by:
License No. Date:

Use reverse side for additional remarks

MICROFILMED
MAR 0 8 1992

USGS

4

STATE COPY

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NOV 25 1968
Department of Reclamation

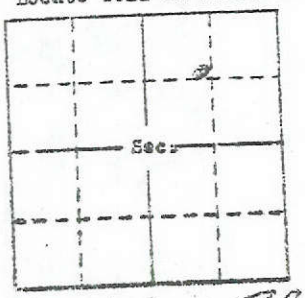
REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name W. E. CAMARON
Address NAMPA, IDAHO

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for: Domestic
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☐
12 "Diam. from 0 ft. to 20 ft.
6 "Diam. from 0 ft. to 40 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: .250 Material:
Steel ☑ concrete ☐ wood ☐ other ☐
PERFORATED? Yes ☑ No ☐ Type of (explain)
perforator used:
Size of perforations: 3/16 " by 4 "
perforations from 20 ft. to 40 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☑
No ☐ size of gravel 1/8 To 3/16 Gravel placed from 0 ft. to 40 ft. Surface seal provided? Yes ☑ No ☐ To what depth? 20 ft. Material used in seal: Clay
Did any strata contain unusable water? Yes ☐
No ☐ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☐ No. ☑
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County
NW¼ NE¼ Sec. 24 T. 2 N R. 1 E BM
Use other side for additional remarks

Size of drilled hole: 12" Total depth of well: 40 Standing water level below ground: 18 FT Temp. Fahr. ° Test delivery: 15 gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test: Rod PUMP
Length of time of test: 8 hrs. Min.
Drawdown: 15 ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☑

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	3	TOP Soil	
3	17	Soft Clay	
17	30	Sand Gravel	
30	40	Yellow Sandy Clay	
40	90	Blue Shale	

Work started:
Work finished:
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name:
Address:
Signed by:
License No. Date:

63

MICROFILMED
MAR 06 1992

(5)

Well Log Form 1
12-3/63

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

SUBMIT WITHIN 30 DAYS AFTER COMPLETION OF WELL: SEE IDAHO STATUTES 42-2

Permit No. ..... Well No. ..... County Ada

Owner Bar E Studios

Address Route 1 Boise, Idaho

Driller Russell Jones

Address Boise, Idaho

Well location ____ ¼ ____ ¼ Sec. ____, T. ____ N/S, R. ____ E/W

Locate well in: NW¼ ... Sec. ... SW¼ ...

Size of drilled hole 12" to 340' 10" 340' to 685'

Total depth of well 685'

Give depth to standing water from the ground flow up Water temp. 57.5 °Fahr.

Test delivery was 900 g.p.m. or ____ c.f.s. Drawdown was ____ feet. Pump? X Bail? X

Size of pump and motor used to make test None

Length of time of test. ____ hours ____ minutes.

If flowing well, give flow ____ c.f.s. or None g.p.m. and of shut off pressure 5 lb.

If flowing well, described control works 6" Gate Valve (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Domestic & Irrigation Weight of casing per lineal foot ____

Thickness of casing .1406" Casing material Steel (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 12" Casing to 340' 8" Casing 340 to 685 (CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
12"	0'	340'	343'	Casing set in hard blue shale
8"	321'	685'	367'	8" Weld'd to 12" at 321' from ground

Number and size of perforations 7/32" 44 perforations Perforated from 633' feet to 685' feet from ground

Date of commencement of well June 1 1964 Date of completion of well Aug 12 1964

MICROFILMED
MAR 06 1992

(6)

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated
0'	35'	Brown clay	No	N
35'	240'	Blue Shale	No	N
240'	245'	Sand & some pea gravel	Yes	Y
245'	640'	Blue Shale	No	N
640'	648'	pea gravel & coarse Sand	Yes	Y
		If more space is required use Sheet No. 2		

MICROFILMED
MAR 0 6 1992

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is complete, true and correct to the b
my knowledge and belief.

Signed [signature]

By _____

License No. 65

Dated August 25 19 64

Well Driller's helper [illegible]

6A

238-7

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.

WELL OWNER

Name Judy Brockway

Address Hiway 55 Boise 83703

Owner's Permit No. _____

NATURE OF WORK

[X] New well [ ] Deepened [ ] Replacement
[ ] Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

PROPOSED USE

[X] Domestic [ ] Irrigation [ ] Test [ ] Municipal
[ ] Industrial [ ] Stock [ ] Waste Disposal or Injection
[ ] Other _____ (specify type)

METHOD DRILLED

[ ] Rotary [X] Air [ ] Hydraulic [ ] Reverse rotary
[ ] Cable [ ] Dug [ ] Other _____

WELL CONSTRUCTION

Casing schedule: [X] Steel [ ] Concrete [ ] Other _____

Thickness	Diameter	From	To
.250 inches	6 inches	+ 18" feet	130 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? [ ] Yes [X] No
Was a packer or seal used? [ ] Yes [X] No
Perforated? [ ] Yes [X] No
How perforated? [ ] Factory [ ] Knife [ ] Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? [ ] Yes [X] 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 [X] No [ ] Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 13) Material used in seal: [ ] Cement grout [ ] Bentonite [X] Puddling clay [X] Cuttings
Sealing procedure used: [ ] Slurry pit [X] Temp. surface casing [X] Overbore to seal depth
Method of joining casing: [ ] Threaded [X] Welded [ ] Solvent Weld [ ] Cemented between strata
Describe access port ___ Well cap

7. WATER LEVEL

Static water level 0 feet below land surface
Flowing? [ ] Yes [X] 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 [X] Air [ ] Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
100	20	1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	40	brown clay		X
	40	117	gray clay		X
	117	119	fine black sand (5 GPM)	X	
6	119	235	light blue clay		X
	235	238	light gray sand (8 GPM)	X	
	238	450	light blue clay		X
	450	460	coarse granite sand	X	

RECEIVED
JUN 22 1987
Department of Water Resources

RECEIVED
JUN 23 1987
Department of Water Resources
Western Regional Office

10.

Work started 6/4/87 Completed 6/5/87

LOCATION OF WELL

Sketch map location must agree with written location.

N
W E
S

Subdivision Name _____
Lot No. ___ Block No. ___
mile _____
___ N or S ___ E or W of Sec. 25 T. 5 N or S R. 1 E or W.

MICROFILMED
MAR 06 1992

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name J.D. Stevens & Son License No. 151
Address 3709 Hawthorne BR Date 6/16/87
Signed by (Firm Official) _____
or
Driller _____

USE ADDITIONAL SHEETS IF NECESSARY - [illegible] THE WATER FLOW IN THIS AQUIFER

7

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

RECEIVED
NOV 22 1971
Department of Water Administration

1. WELL OWNER

Name Jack Torrey
Address RFL Boise, Ida.
Owner's Permit No.

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☑ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 45 feet
Casing schedule: ☑ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	8 inches	+1 feet	45 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☑ Torch
Size of perforations ¼ inches by 1 inches

Number		From	To
160	perforations	20 feet	30 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 ☑ Yes ☐ No To what depth? 18 feet
Material used to seal ☐ Cement grout ☑ Puddling clay

6. LOCATION OF WELL

Sketch the location must agree with written location.



7. WATER LEVEL

Static water level 15 feet below land surface
Flowing? ☐ Yes ☑ No G.P.M. flow
Temperature ° F. Quality
Artesian closed-in pressure p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Other

Discharge G.P.M.	Drawdown	Hours Pumped
40	5'	½

9. LITHOLOGIC LOG

Hole Diam.	Depths From	Depths To	Material	Water Yes	Water Est.
12"	0	18	BROWN CLAY		S
8"	18	22	BROWN CLAY		S
8"	22	30	SAND & GRAVEL	S	
8"	30	45	BLUE CLAY		

MICROFILMED
MAR 06 1992

10. REMARKS

11. CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

(8)

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

RECEIVED

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

1. WELL OWNER

Name Wayne Miller
Address Rt#1 Beacon Light Road
Owner's Permit No. Boise Ida.

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☑ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 203 feet
Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 inches	+1.5 feet	60.5 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation ____ inches by ____ inches

Number		From	To
	perforations	feet	feet
	perforations	feet	feet
	perforations	feet	feet

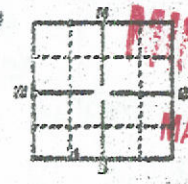
Well screen installed? ☐ Yes ☑ No
Manufacturer's name
Type Model No.
Diameter Slot size Set from feet to feet
Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☑ No Size of gravel
Placed from feet to feet

Surface seal? ☑ Yes ☐ No To what depth 44 feet
Material used in seal ☐ Cement grout ☑ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



63

MICROFILMED
MAR 06 1992

County Ada
SW ¼ SE ¼ Sec. 24 T. 5 N R. 1 E

7. WATER LEVEL

Static water level 46 feet below land surface
Flowing? ☐ Yes ☑ No G.P.M. flow
Temperature ____ ° F. Quality
Artesian closed-in pressure ____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
	0	1	Sandy brown top soil		X
	1	23	Sandy brown clay		X
	23	28	Coarse brown sand		X
	28	48	Brown clay and streaks of brown and quartz sand		X
	48	54	Medium to coarse brown & quartz sand and pea gravel	X	
	54	59	Dark brown cemented sand and gravel		X
	59	65	Light brown clay		X
	65	99	Light blue clay		X
	99	111	Brown clay		X
	111	112	Very fine blue, black & brown sand	X	
	112	119	Light blue clay		X
	119	120	Very fine blue, black & brown sand	X	
	120	149	Light blue clay		X
	149	150	Very fine blue, black & brown sand	X	
	150	164	Light blue clay & streaks of brown clay		X
	164	165	Very fine blue, black quartz sand	X	
	165	203	Light blue clay		X

10.
Work started 7/22/73 Finished 8/2/73

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

9

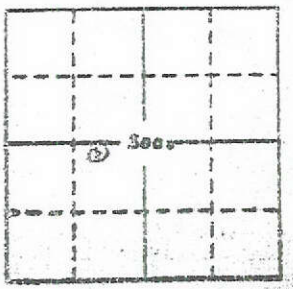
Received 1-7-92 Bulmer

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Bob Wood (375-5246)
Address Dry Creek
Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: Dom
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☑
6 "Diam. from 0 ft. to 40 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: Material:
Steel ☑ concrete ☐ wood ☐ other ☐
(explain)
PERFORATED? Yes ☐ No ☑ Type of perforator used:
Size of perforations: by
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☑
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐ No ☐ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal:
Did any strata contain unusable water? Yes ☐ No ☑ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☐ No ☐
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County Ada
NW¼ SW¼ Sec. 34 T. 4N R. 1W B.M.
Use other side for additional remarks

Size of drilled hole: 6 Total depth of well: 100 Standing water level below ground: 30 Temp. Fahr. * Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test: Cleaned with air
Length of time of test: hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	3	Top soil	no
3	35	sand & clay	no
35	100	grey clay	no
100	—	fine water sand	yes

Work started:
Work finished:
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name:
Address:
Signed by:
License No. Date:

63.

RECEIVED
MAR 06 1992
USGS

(10)

RECEIVED
NOV 29 1988
Department of Water Resources

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.

RECEIVED
NOV 08 1988
Department of Water Resources

1. WELL OWNER
Name Scott Tabbitt
Address Brookside Lane
Owner's Permit No. 63-88-Z-139

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 _____

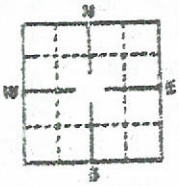
Thickness	Diameter	From	To
.250 inches	6 inches	+ 1 feet	59 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

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 _____ inches by _____ inches

Number	From	To
_____ 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 59 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 MICROFILMED MAR 06 1992
Lot No. _____ Block No. _____
County Ada
S/W ¼ S/W ¼ Sec. 26 T. 5 ☐ N. ☐ W.

7. WATER LEVEL
Static water level 59 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
12	250	1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	42	brown clay		X
	42	540	blue clay		X
			130 water streak		
			330 water streak		
			538 water streak		

RECEIVED NOV 29 1988 Department of Water Resources Western Regional Office

10. Work started 9/13/88 finished 9/20/88

11. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was renewed.
Firm Name W.E. Stevens & Sons No. 153
Address 3709 Hawthorne Dr Date 9/27/88
Signed by (Firm Official) Wayne Stevens
and
(Operator)

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

11

Form 238-7
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 20 days after the completion or abandonment of the well.

1. WELL OWNER

Name Dave Markel

Address

Owner's Permit No.

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	50 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 3 inches by 1/4 inches

Number		From	To
50	perforations	45 feet	50 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 18 Material used in seal: ☐ Cement grout ☐ Bentonite ☒ Puddling clay ☐ _____
Seating 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.

N
W E
S

Subdivision Name _____
Lot No. _____ Block No. _____
County _____

7. WATER LEVEL

Static water level 45 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
50		1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	45	Top Soil, Sand & Gravel		X
	45	50	Solid Granite	X	

RECEIVED
APR 29 1985
Department of Water Resources
Western Regional Office

RECEIVED
APR 29 1985
Department of Water Resources

10.

Work started 4-19-85 Completed 4-24-85

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Cascade Pumps Firm No. 232
Address 3041 Fairview Date 4-24-85
Signed by (Firm Official) _____
and
(Operator) _____

MICROFILMED
MAR 06 1992

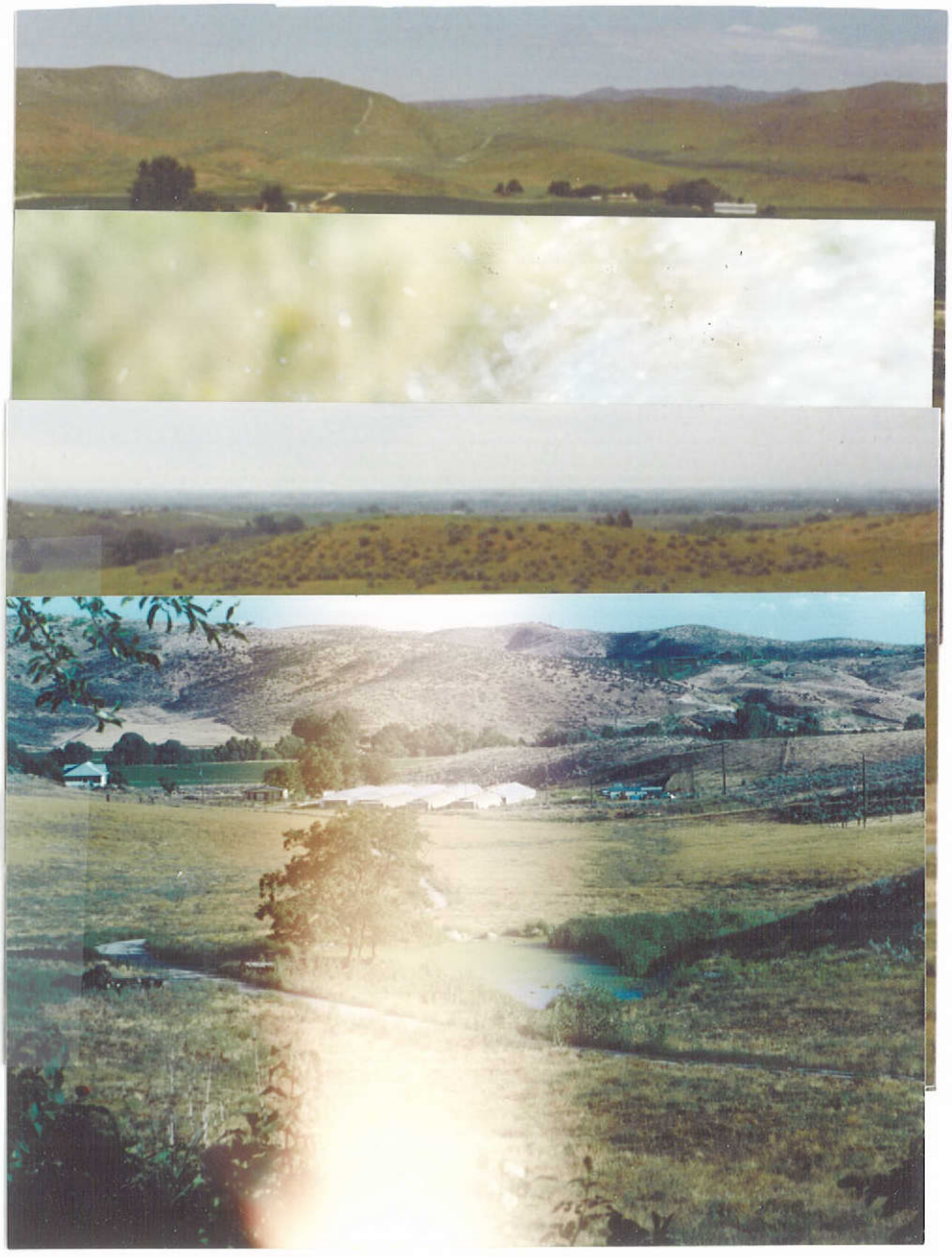
12



Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

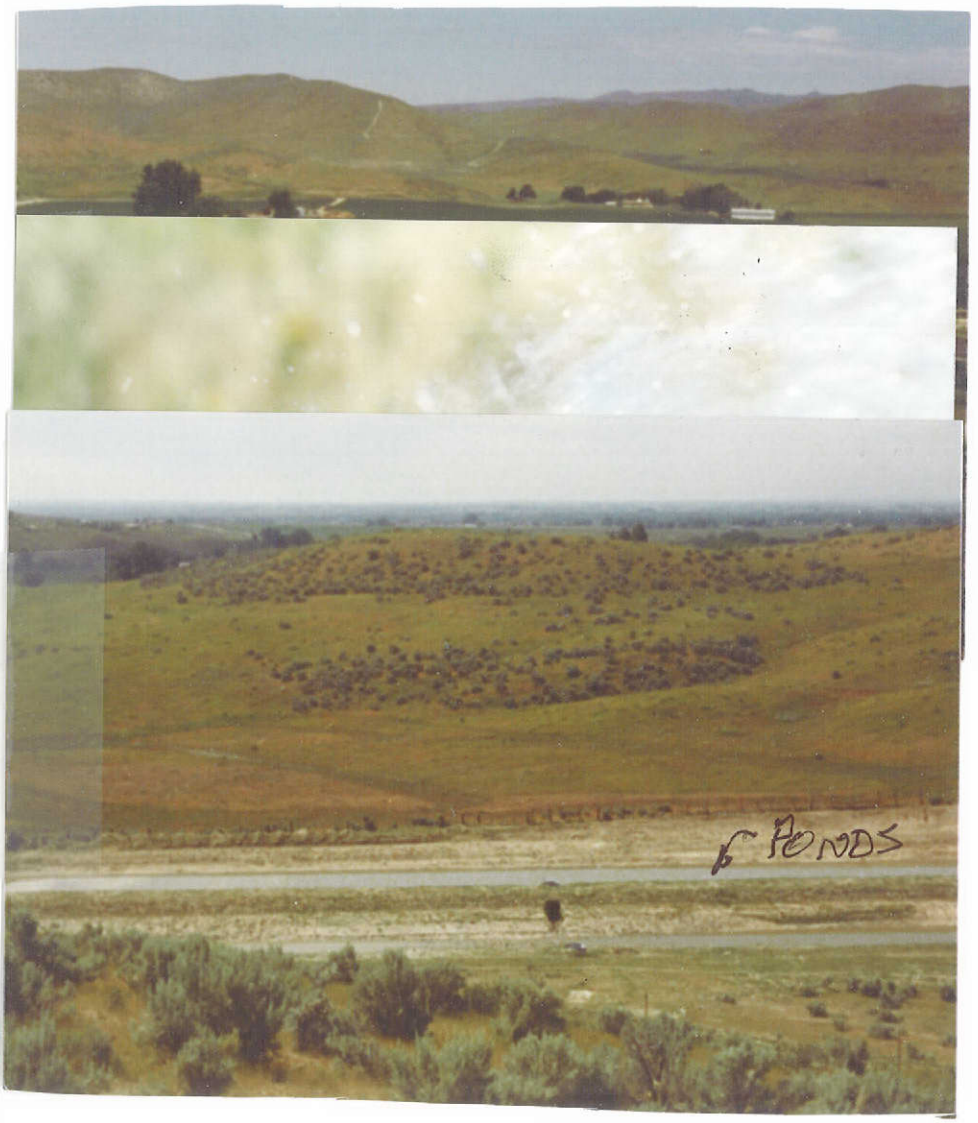
MICROFILMED
MAR 06 1992



Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

MICROFILMED
MAR 06 1992



Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

MICROFILMED
MAR 06 1992



Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

MICROFILMED
MAR 06 1992



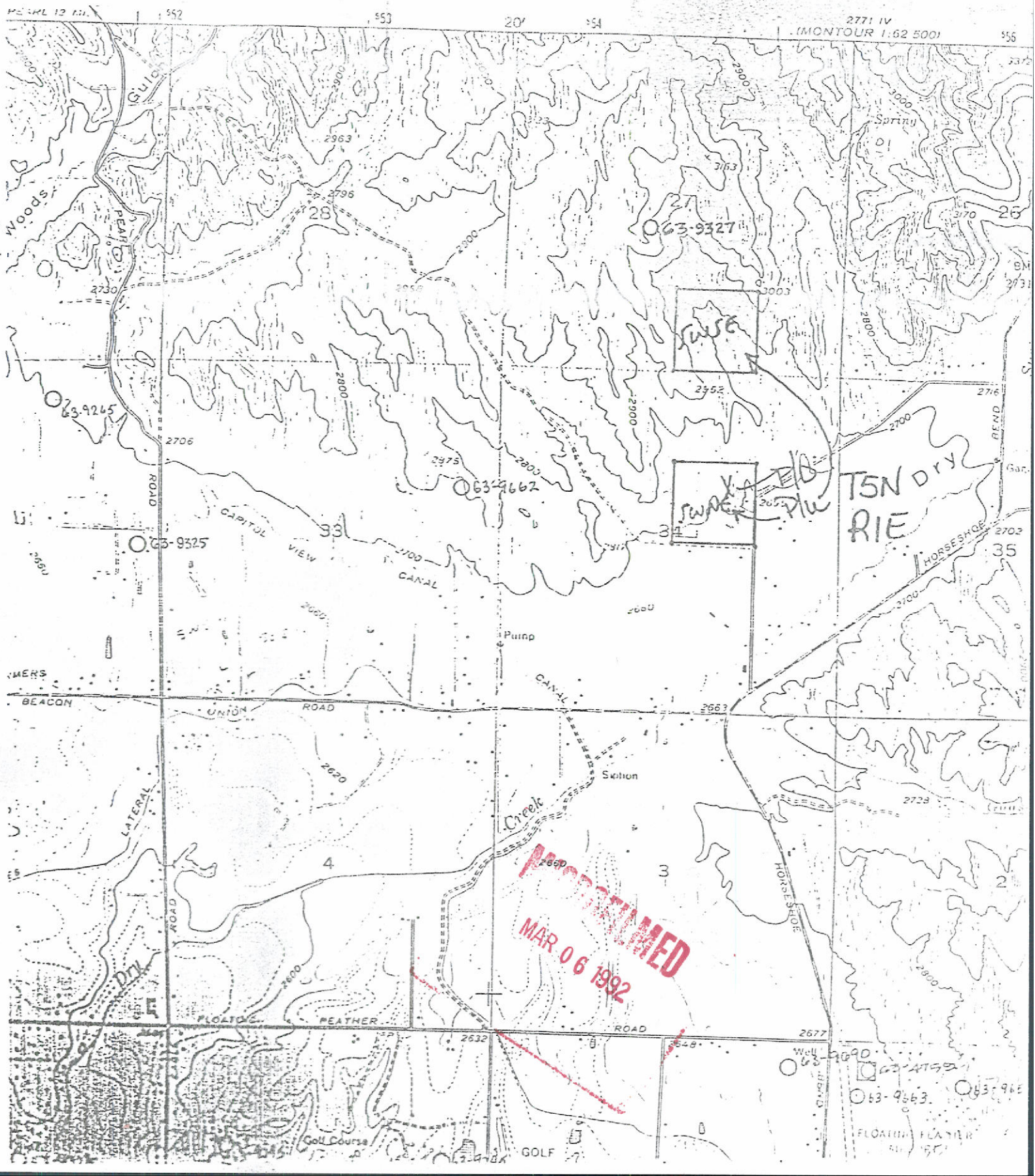
Exhibits

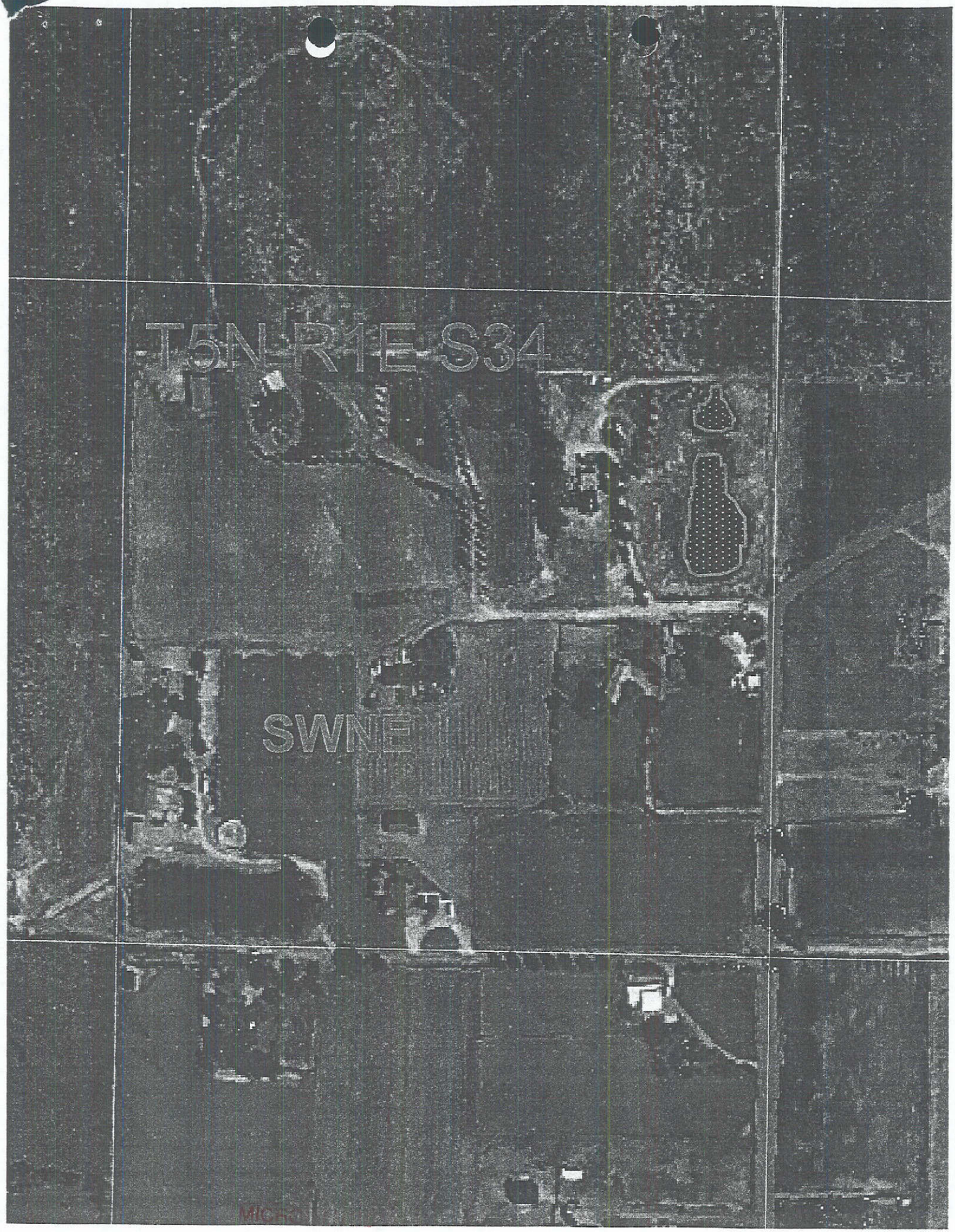
1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

MICROFILMED
MAR 06 1992

TATES
THE INTERIOR
SURVEY

No quit lots in
T&N, R1W





MAR 1 1 2003

STARTING LEFT SIDE OF FILE

State of Idaho
Department of Water Resources

Water Right License

WATER RIGHT NO. 63-11505

Priority: April 01, 1991

Maximum Diversion Rate: 0.02 CFS
Maximum Diversion Volume: 8.7 AF

It is hereby certified that WALLACE R CONNOLLY And/Or EDA RAE CONNOLLY
4983 BROOKSIDE LANE
BOISE ID 83703 have complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 01, 1991; and have submitted Proof of Beneficial Use on January 18, 1995. An examination indicates that the works have a diversion capacity of 0.2 cfs of water from:

SOURCE
GROUND WATER

and a water right has been established as follows:

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL DIVERSION VOLUME
DOMESTIC	01/01 to 12/31	0.02 CFS	0.6 AF
HEATING	01/01 to 12/31	0.02 CFS	8.1 AF

LOCATION OF POINT OF DIVERSION:
GROUND WATER SW¼NE¼ Sec. 34, Twp 05N, Rge 01E, B.M., ADA County

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N 01E 34			X														

PLACE OF USE: HEATING

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N 01E 34			X														

CONDITIONS OF APPROVAL

1. Point of diversion is located within Lot 5, Blk. 1, Connolly Subdivision.
2. Place of use is located within Lot 5, Blk. 1, Connolly Subdivision.
3. Heating use is for 1 home.
4. Domestic use is for 1 home.

MICROFILMED
MAR 1 1 2003

State of Idaho
Department of Water Resources

Water Right License

WATER RIGHT NO. 63-11505

5. Water diverted for heating purposes may be used for the secondary use of up to 1/2 acre of irrigation for the authorized domestic use only after being used primarily for the heat value of the water.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 3RD day of December, 2002.

Acting for KARL J. DREHER
Director

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Form No. 217
7/94

RECEIVED
JAN 18 1995
Department of Water Resources

FOR OFFICE USE ONLY
Amt. of Fee $: 100.00
Receipt No. C031991
Receipt By: RF
Date Received: 1-18-95

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 63-11505 Telephone No. 939-0441 853-4551

2. Name(s) of Permit Holder(s): WALLACE R. & EDA RAE CONNOLLY

3. Mailing Address: 4983 BROOKSIDE LANE, BOISE, IDAHO 83703

4. Source of Water: WELL If **GROUNDWATER** (well), Date Drilled: mo.____ / yr.____

   a. Well Driller: LEONARD JUSTICE Drilling Permit Number: ____ - ____ - ____ - ____

   b. ***OPTIONAL:***
   Pump Horsepower: ____ Pressure (psi): 10 Dynamic pumping level (ft): 0, FREE FLOW

5. Use(s) (as authorized by the water right permit):

   Domestic (No. of households): 5 Stockwater (No. and type of stock): 50, CATTLE, HORSES.

   Irrigation (No. of acres): 25 Other: HEATING 5 HOUSES.

6. Total rate of diversion and/or volume for which proof is submitted: 1.000 cfs **OR** ____ acre feet

7. Measuring Device Requirement: **(refer to the approval conditions on your permit and respond accordingly)**
   (*This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete*)

   Measuring Device: Is a measuring device required? Yes X or No ____
   Has the measuring device been installed? Yes X or No ____

   Flow Measurement Port: Is a flow measurement port required? Yes X or No ____
   Has the measurement port been installed? Yes X or No ____

8. Fee Enclosed: $ 100.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

   Name: WALLACE R. CONNOLLY Telephone Number: 939-0441 853-4551 RECEIVED

   Address: 4983 BROOKSIDE LANE, BOISE, IDAHO 83703 FEB 14 1995

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Wallace R. Connolly Date: 1-16-95
(include your title, if on behalf of company of organization)

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11505

Proposed Priority: April 1, 1991 Maximum Diversion Rate: 0.22 CFS

This is to certify, that **EDA RAE CONNOLLY**
WALLACE R CONNOLLY
4983 BROOKSIDE LANE
BOISE ID 83703

has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE	PERIOD OF USE	RATE OF DIVERSION
HEATING	01/01 to 12/31	0.11 CFS
DOMESTIC	01/01 to 12/31	0.11 CFS
	Totals	0.22 CFS

LOCATION OF POINT(S) OF DIVERSION: SWNE , Sec. 34, Township 05N, Range 01E
ADA County

PLACE OF USE: HEATING

TWN	RGE	SEC	
05N	01E	27	SWSE
		34	SWNE

PLACE OF USE: DOMESTIC, same as HEATING use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **February 1, 1995.**
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. See attached Final Memorandum Decision and Order for conditions of approval.
5. Domestic use is for 5 homes.
6. Heating use is for 5 homes.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this

7th day of February, 1992.

for L. Glen Saxton
R. Keith Higginson, Director

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BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR PERMIT NO. 63-11505 IN THE NAME OF WALLACE R. AND EDA RAE CONNOLLY	FINAL MEMORANDUM DECISION AND ORDER

This matter came before the Idaho Department of Water Resources (department) as an application for permit filed by Wallace R. and Eda Rae Connolly (applicant). The department conducted a hearing in connection with the protested application and on December 12, 1991, issued a Proposed Memorandum Decision and Order to the parties.

On December 26, 1991, the applicant filed exceptions to the proposed decision and the protestants subsequently filed responses to the exceptions of the applicant. The exceptions filed by the applicant are addressed as follows and do not justify changes to the proposed decision:

Finding of Fact 12. and Conclusion of Law 9. The amount of space to be heated (8,000 square feet) was provided by the applicant. If the applicant now wants to heat additional space as reported in the exceptions, the applicant needs to submit a new application for permit to the department to appropriate additional water to heat the additional space.

Finding of Fact 14. The statement of the applicant in the exceptions can not be treated as evidence with respect to the alleged extended season of alleged increase in crop value. The comment about the "Poinsettia White Fly's Life Cycle" is new information and cannot be considered as a part of the hearing record.

Conclusion of Law 5. The statement, while not clear, apparently suggests that the proposed project would create "an oasis in the desert" for wildlife and for that reason is in the local public interest. The statement is unsupported and cannot be considered as a part of the record in this matter.

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Analysis page 8, paragraph t and page 9, paragraph 1. The intent of the statement cannot be determined.

The exceptions suggest that the applicant has successfully provided evidence to justify the use of low temperature geothermal water for irrigation uses by having "met" the three exemption criteria described in Section 42-233, Idaho Code. The applicant has not provided information which would justify the use of the low temperature geothermal water resource for irrigation purposes.

Based on the evidence available and the Director's understanding of the law, the Director makes the following Findings of Fact, Conclusions of Law, Analysis and Order:

FINDINGS OF FACT

1. On April 1, 1991, Wallace R. &/or Eda Rae Connolly applied to the Department of Water Resources (Department) for a permit to appropriate 3.00 cubic feet per second (cfs) from ground water from a well located within the SW1/4 NE1/4, Sec. 34, Twp. 5N, Rge. 1E, B.M. to be used as follows:

Purpose	From	To	CFS
Irrigation	03-15	11-15	0.80
Fish Propagation	01-01	12-31	2.22
Domestic	01-01	12-31	0.11
Heating	01-01	12-31	2.22

Notice of the application was published in the Idaho Statesman on May 2 and 9, 1991.

2. Protests against approval of the application were received from several parties. A list of protestants is attached hereto as Attachment A and is incorporated herein by reference.

3. On July 17, 1991, the Department conducted a conference to discuss the application and review potential resolutions of the protests. The conference did not resolve the concerns of the protestants.

4. On August 29, 1991, the Department held a hearing in this matter. Applicant Wallace R. Connolly was present and was represented by attorney Alan Kofoed. All protestants were present or represented by their spouses at the hearing except for Marvin

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and Joanne Lewis, who were unable to attend the hearing but who submitted a letter for the record on August 27, 1991. Steve Purvis and Grace Anderson were not formal protestants but attended the hearing and requested to intervene. The applicant objected to this proposal and the Hearing Officer denied the intervention request based on non-compliance with Practice and Procedure Rule 6,3.

5. The protestants raised objections to the proposed diversion by alleging that:

(a) the diversion would reduce the quantity of water under existing water rights;

(b) the water supply is insufficient for the proposed uses;

(c) the application was filed for speculative purposes;

(d) the applicant does not have sufficient financial resources with which to develop the project;

(e) the diversion would conflict with the local public interest; and,

(f) the proposed project would be contrary to the conservation of water within the State of Idaho.

6. The Hearing Officer allowed the record to be held open for ten (10) days after the hearing, for the purpose of allowing comment regarding exhibits submitted in the hearing. During this period one letter was received, from Joyce and Milan Jackson.

7. The well that has been identified as the point of diversion for this proposed water use is already constructed, to a depth of 1540 feet according to a Well Driller's Report submitted to the Department by Justice Drilling on December 18, 1989. The applicant testified that this well has been grouted and sealed with 12 and 16 inch diameter casings to prevent flows between aquifers, and that the production casing has a 6 inch diameter. He further testified that if the controlling valve is opened, the well will free-flow at 500 gallons per minute, or about 1.11 cfs, with a temperature of up to 140 degrees Fahrenheit (F). As defined below, low temperature geothermal water has a temperature of between 85 degrees F and 212 degrees F, so this well is considered to be a low temperature geothermal well.

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8. Donald J. Watts, P.E., prepared for the applicant a report titled Dry Creek Area Groundwater Hydrology Report, dated April 9, 1991. This report describes a study including 13 wells in the vicinity of the low temperature geothermal well identified in the application. The study demonstrates that most of the 13 wells are shallower than 500 feet, and the water supplies diverted from these wells have temperatures of less than 85 degrees F.

9. The Department considers low temperature geothermal aquifers in the Boise River basin to have minimal hydraulic interconnection with the cold water aquifers, relative to impact on the availability of water supplies. From a water right standpoint, therefore, the low temperature geothermal aquifers in the basin are administered as distinct from the cold water aquifers.

10. None of the protestants presently divert low temperature geothermal water.

11. The point of diversion identified in this application is not located within the boundary of the Boise Low Temperature Geothermal Resource Ground Water Management Area designated by the Director of the Department on June 10, 1988. Thus, the proposed water use is not subject to the Management Policy developed for the Boise Front.

12. In a letter to the Department dated May 9, 1991, the applicant estimated that the space heating need for the project proposed by the application would include 8,000 square feet of households with typical thermal insulation values of R-30. Standard Department computations demonstrate that the required rate of flow for heating the homes is 0.03 cfs. In addition, some hot water is needed to provide for heat transmission losses in the lines that connect the well to the houses.

13. The applicant testified that he does not intend to develop the fish propagation water use into a commercial operation, but instead intends to raise fish as a hobby.

14. The land proposed to be irrigated under this water right has no other existing, recorded water rights. The applicant explained that the heat value of the water extends the season of

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use of the water for irrigation purposes. The hearing record doesnot include any quantification of the number of days for which the growing season is extended, or the resulting increase in crop value as a result of the use of low temperature geothermal water.

15. The applicant testified that there is surface water available for irrigation in the vicinity of the proposed project from the Capitol Irrigation District.

16. The applicant demonstrated that he intends to develop the water uses as described in the application, and showed that the application was not filed for delay or speculative purposes.

17. The applicant has sufficient financial resources with which to develop the proposed project.

CONCLUSIONS OF THE LAW

Applicable Legal Principles

1. Idaho Code, Sec. 42-203A(5) states in part as follows:

> The director of the department of water resources shall find and determine from the evidence presented to what use or uses the water sought to be appropriated can be and are intended to be applied. In all applications whether protested or not protested, where the proposed use is such (a) that it will reduce the quantity of water under existing water rights, or (b) that the water supply itself is insufficient for the purpose for which it is sought to be appropriated, or (c) where it appears to the satisfaction of the director that such application is not made in good faith, is made for delay or speculative purposes, or (d) that the applicant has not sufficient financial resources with which to complete the work involved therein, or (e) that it will conflict with the local public interest, where the local public interest is defined as the affairs of the people in the area directly affected by the proposed use, or (f) that it is contrary to conservation of water resources within the state of Idaho; the director of the department of water resources may reject such application and refuse issuance of a permit therefor, or may partially approve and grant a permit for a smaller quantity of water than applied for, or may grant a permit upon conditions.

2. Idaho Code, Sec. 42-226 states in part as follows:

> It is hereby declared that the traditional policy of the state of Idaho, requiring the water resources of this state to be devoted to beneficial use in the greatest

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amounts through appropriation, is affirmed with respect to the ground water resources of this state as said term is hereinafter defined and, while the doctrine of "first in time is first in right" is recognized, a reasonable exercise of this right shall not block full economic development of underground water resources.

3. A low temperature geothermal resource is defined in Idaho Code, Sec. 42-230 as:

> ... All ground water having a temperature of greater than eighty-five (85) degrees Fahrenheit and less than two hundred twelve (212) degrees Fahrenheit in the bottom of the well...

4. Use of low temperature geothermal water is regulated in part by Idaho Code, Sec. 42-233, which states in part:

> ... The appropriation may be perfected by means of the application, permit and license procedure as provided in this chapter for ground water, provided that low temperature geothermal resources shall be utilized primarily for heat value and secondarily for the value as water. Usage of a low temperature geothermal resource primarily for reasons other than heat value is not a beneficial use of the resource, unless the director of the department of water resources exempts the proposed use. The director may exempt a proposed use if the director finds that the proposed use satisfies the following criteria: (i) there is no feasible alternative use of the resource, (ii) there is no economically viable source of water having a bottom-hole temperature of eighty-five (85) degrees or less in a well available; (iii) the exemption is in the public interest.

5. Consideration of the local public interest criterion of Idaho Code, Sec. 42-203A(5) is defined by the Department Water Appropriation Rules and Regulations, Rule 5,1,5, to include:

> ... the effect the project will have on the economy of the local area affected by the proposed use as determined by the employment opportunities, both long and short term, revenue changes to various sectors of the economy, short and long term, and the stability of revenue and employment gains; the effect the project will have on recreation, fish and wildlife resources in the local public area affected by the proposed use; and compliance with applicable air, water and hazardous substance standards, and compliance with planning and zoning ordinances of local or state government jurisdictions.

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Application of Legal Principles

6. There is water available for appropriation in the low temperature geothermal aquifer in the vicinity of the proposed diversion. Such appropriation is not anticipated to impact the availability of water in the nearby shallower, cold temperature wells.

7. The application is found to have been made in good faith and not for delay or speculative purposes.

8. The applicant has demonstrated sufficient financial ability to complete the project as proposed.

9. The diversion rate of 2.22 cfs sought for heating uses should be reduced, since a total diversion rate of 0.11 cfs is adequate to heat the 8,000 square feet proposed. The rate of 0.11 cfs includes enough water for the calculated 0.03 cfs for heating plus an allowance for transmission heat losses. The use of the low temperature geothermal water resource in excess of 0.11 cfs for the extent of heating proposed in the application is contrary to the conservation of water resources within the state of Idaho.

10. The proposed use of 2.22 cfs for hobby fish propagation purposes is not in the local public interest and is contrary to the conservation of water resources within the state of Idaho. The use does not significantly benefit the economy either short term or long term and the proposed use likely will not increase employment opportunities or revenues of the local area. Other public benefits are minimal.

11. The use of low temperature geothermal water as a primary source of water for irrigation purposes is not in the local public interest and is contrary to the conservation of water resources within the state of Idaho. The department should not grant an exemption pursuant to Section 42-233, Idaho Code, to allow the low temperature geothermal water resource be used for its value as water in connection with the proposed irrigation rather than for its heat value.

12. The Department should partially approve the application.

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ANALYSIS

Sec. 42-233, Idaho Code, requires that low temperature geothermal water be utilized primarily for heat value and secondarily for the value as water unless the Director exempts a use.

The applicant proposes to divert 0.11 cfs for domestic uses in homes. The present use of the term "domestic" in Idaho water right administration allows water to be used for such varied purposes as culinary uses, swimming pools and home space heating. For many of these uses the heat value in the low temperature geothermal resource is a benefit that can reduce other household energy costs. For such uses, therefore, heat value is primary and water value is secondary. Thus, the application can be approved as consistent with the statutory provisions. Relative to amount, 0.11 cfs is typically allowed for culinary uses in five households.

The applicant proposes to divert 2.22 cfs for heating purposes. Department computations show that the 0.11 cfs is ample for space heating of the proposed homes.

The 2.22 cfs of low temperature geothermal water sought for fish propagation use is comparable in magnitude to some of the major space heating diversions in the Boise area. For example, a rate of approximately 2.67 cfs is used to heat 400,000 square feet of space in the Veterans Hospital in Boise. The use of 2.22 cfs of low temperature geothermal water for hobby fish propagation purposes is excessive and is contrary to the local public interest.

Finally, the applicant proposes to divert 0.80 cfs for the irrigation of 40 acres. Although the irrigation of land is a beneficial use of water, this use must be examined in the context of irrigation by a low temperature geothermal resource. Since irrigation does not use geothermal water primarily for its heat value, the Director would have to issue an exemption pursuant to Idaho Code, Sec. 42-233 before the irrigation use would be allowed.

The first exemption criterion is whether there is a feasible alternative use of this resource. There have been other applications for development of this low temperature geothermal

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aquifer. However, the nearby Boise Front low temperature geothermal aquifer appears to be fully appropriated for space heating uses. Thus, it is likely that as urbanization of Ada County continues, the aquifer from which the applicant proposes to divert will receive many other requests for diversions for heat value uses.

The second criterion is that there is no other economically viable source of water having a bottom hole temperature of 85 degrees F or less available. Information presented in Mr. Watts' report indicates that there are untapped cold water supplies in the vicinity of the low temperature geothermal well.

The third criterion is whether the exemption is in the public interest. This public interest is to be distinguished from the "local public interest" as defined above. In this particular situation, where the geothermal aquifer is located within two miles of another aquifer that is so fully appropriated for space heating and other low temperature geothermal purposes that additional appropriations are not allowed, it would seem imprudent to allow an exemption for the use of valuable geothermally heated water for irrigation purposes. If indeed the use of geothermally heated water for irrigation results in the extension of the growing season, there is likely only a limited season when the heat value could be utilized beneficially by the crops.

In summary, with respect to the provisions of the low temperature geothermal statute, this application should be approved for domestic and heating uses but must be denied with respect to the fish propagation and irrigation uses. The domestic use allows for the secondary use of irrigation of up to one half (1/2) acre for each domestic use.

ORDER

It is ORDERED that Application for Permit No. 63-11505 is HEREBY APPROVED IN PART, subject to the following conditions:

1. This water right is subject to all prior water rights.

2. The rates of flows allowed to be diverted under this water right permit are limited as follows:

Use	Amount	Period of Use From	To
Domestic	0.11 cfs	January 1 -	December 31
Heating	0.11 cfs	January 1 -	December 31

Total: 0.22 cfs

3. Water diverted for domestic and heating purposes may be used for the secondary use of up to 1/2 acre of irrigation for each domestic use only after being used primarily for the heat value of the water.

4. The rate of diversion for domestic and heating purposes shall be proportionately limited to the number of homes actually using the water.

5. Diversion for fish propagation and irrigation purposes is not allowed under this water right except as allowed in condition to No. 3 above.

6. This permit does not authorize the construction of a new well or alteration, deepening or enlargement of the existing well.

7. The Director retains jurisdiction of this permit to require installation of a measuring device, pressure and temperature measuring equipment, and to require periodic reporting on a frequency determined by the Director. The Director also retains jurisdiction of the permit and any license issued to require reinjection of the low temperature geothermal ground water upon a determination of need by the director.

8. Proof of construction of works and application of water to beneficial use shall be submitted on or before February 1, 1995.

Dated this 7TH day of FEBRUARY, 1992.

R. Keith Higginson
Director

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MAR 06 1992

ATTACHMENT A

Application For Permit
No. 63-11505 In the Names of
Wallace R. &/or Eda Rae Connolly

PROTESTANTS

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID 83703

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CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT on the 11th day of February 1992, a true and correct copy of the FINAL MEMORANDUM DECISION AND ORDER was mailed, postage prepaid to:

Wallace R. and Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

John and Pearl Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

A. R. Mason
4241 Brookside Lane
Boise, ID 83703

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Gustave and Helen Weisshaupt
5005 Brookside Lane
Boise, Id 83703

Karen L. Gustafson
Karen L. Gustafson
Secretary/Records Manager

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MAR 06 1992

BEFORE THE DIRECTOR OF THE DEPARTMENT

OF WATER RESOURCES OF THE

STATE OF IDAHO

IN THE MATTER OF
APPLICATION FOR PERMIT NO. 63-11505
IN THE NAME OF WALLACE R. AND EDA RAE CONNOLLY

ORDER ISSUING
PROPOSED MEMORANDUM
DECISION

R. Keith Higginson, Director of the Department of Water Resources, having reviewed the attached proposed decision prepared by this appointee, L. Glen Saxton, who conducted the hearing or who has read the record in this case, hereby approves the same as a proposed decision pursuant to Idaho Code, Sec. 67-5211.

Each party to these proceedings who appeared at the hearing is given the opportunity, pursuant to Idaho Code, Sec. 42-1701A and 67-5211, to file exceptions to the proposed decision and to present briefs and oral arguments. If no timely and proper exceptions are received, an order by the Director will be entered adopting the proposed decision as his final decision.

I.
EXCEPTIONS

A. To be considered by the Director, exceptions must:

1. be received by the Director on or before the 15th day following the day of service of this Order and the proposed decision,

2. specifically identify the portions of the proposed decision to which exceptions are made and specifically state the grounds for those exceptions, and

3. be sent to each of the parties who appeared or their attorneys.

II.
BRIEFS

A. Any briefs in support of exceptions to the proposed decision shall be filed with the Director at the same time that party's exceptions are filed with the Director.

B. All response briefs to the exceptions must be filed with the Director within 15 days after the exceptions were served upon the responding party.

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III.

A. No oral arguments before the Director on the proposed decision will be held unless specifically requested by a party filing exceptions to the proposed decision and unless that request is filed with the Director concurrently with the filing of that party's exception.

B. If oral arguments have been properly requested by a party filing exceptions, any other party, upon reasonable notice to the Director, shall have the right to present oral argument in response to the exceptions filed.

C. Oral arguments before the Director on exceptions to the proposed decision shall be heard at the discretion of the Director, pursuant to Idaho Code, Sec. 42-1701A. If oral agruments are to be heard, the Director will, within a reasonable time, notify each party of the place, date and hour the oral arguments will take place and of the period of time allocated for the arguments of this case. Unless the Director orders otherwise, all oral arguments shall be heard in Boise, Idaho.

IV.
CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and other matters filed with the Director in connection with the proposed decision shall be served on all other parties to these proceedings in accordance with Rule 7.2.

V.
FINAL DECISION

Following the submission of all exceptions, briefs and oral arguments, if they are heard, the Director shall issue a final decision adopting, modifying or rejecting and replacing the proposed decision. Copies of the decision and order shall be served on all parties.

Dated this 12th day of December, 19 91.

R. KEITH HIGGINSON
Director

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BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR	)	
	)	
PERMIT NO. 63-11505	)	
	)	SOURCE: Ground Water
IN THE NAME OF	)	
	)	
WALLACE R. AND EDA RAE CONNOLLY	)	COUNTY: Ada
	)	

PROPOSED MEMORANDUM DECISION AND ORDER
APPROVING IN PART APPLICATION FOR PERMIT NO. 63-11505

BY HEARING OFFICER L. GLEN SAXTON

Wallace R. &/or Eda Rae Connolly having filed with the Department of Water Resources Application for Permit No. 63-11505 to appropriate unappropriated water; protests having been filed; and a conference and hearing having been held, the Department finds, concludes, and orders as follows:

FINDINGS OF FACT

1. On April 1, 1991, Wallace R. &/or Eda Rae Connolly applied to the Department of Water Resources (Department) for a permit to appropriate 3.00 cubic feet per second (cfs) from ground water from a well located within the SW1/4 NE1/4, Sec. 34, Twp. 5N, Rge. 1E, B.M. to be used as follows:

Purpose	From	To	CFS
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Domestic	01-01	12-31	0.11
Heating	01-01	12-31	2.22

Notice of the application was published in the Idaho Statesman on May 2 and 9, 1991.

2. Protests against approval of the application were received from several parties. A list of protestants is attached hereto as Attachment A and is incorporated herein by reference.

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3. On July 17, 1991, the Department conducted a conference to discuss the application and review potential resolutions of the protests. The conference did not resolve the concerns of the protestants.

4. On August 29, 1991, the Department held a hearing in this matter. Applicant Wallace R. Connolly (hereinafter applicant) was present and was represented by attorney Alan Kofoed. All protestants were present or represented by their spouses at the hearing except for Marvin and Joanne Lewis, who were unable to attend the hearing but who submitted a letter for the record on August 27, 1991. Steve Purvis and Grace Anderson were not formal protestants but attended the hearing and requested to intervene. The applicant objected to this proposal and the Hearing Officer denied the intervention request based on non-compliance with Practice and Procedure Rule 6,3.

5. The protestants raised objections to the proposed diversion by alleging that:

(a) the diversion would reduce the quantity of water under existing water rights;

(b) the water supply is insufficient for the proposed uses;

(c) the application was filed for speculative purposes;

(d) the applicant does not have sufficient financial resources with which to develop the project;

(e) the diversion would conflict with the local public interest; and,

(f) the proposed project would be contrary to the conservation of water within the State of Idaho.

6. The Hearing Officer allowed the record to be held open for ten (10) days after the hearing, for the purpose of allowing comment regarding exhibits submitted in the hearing. During this period one letter was received, from Joyce and Milan Jackson.

7. The well that has been identified as the point of diversion for this proposed water use is already constructed, to a

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depth of 1540 feet according to a Well Driller's Report submitted to the Department by Justice Drilling on December 18, 1989. The applicant testified that this well has been grouted and sealed with 12 and 16 inch diameter casings to prevent flows between aquifers, and that the production casing has a 6 inch diameter. He further testified that if the controlling valve is opened, the well will free-flow at 500 gallons per minute, or about 1.11 cfs, with a temperature of up to 140 degrees Fahrenheit (F). As defined below, low temperature geothermal water has a temperature of between 85 degrees F and 212 degrees F, so this well is considered to be a low temperature geothermal well.

8. Donald J. Watts, P.E., prepared for the applicant a report titled Dry Creek Area Groundwater Hydrology Report, dated April 9, 1991. This report describes a study including 13 wells in the vicinity of the low temperature geothermal well identified in the application. The study demonstrates that most of the 13 wells are shallower than 500 feet, and the water supplies diverted from these wells have temperatures of less than 85 degrees F.

9. The Department considers low temperature geothermal aquifers in the Boise River basin to have minimal hydraulic interconnection with the cold water aquifers, relative to impact on the availability of water supplies. From a water right standpoint, therefore, the low temperature geothermal aquifers in the basin are administered as distinct from the cold water aquifers.

10. None of the protestants presently divert low temperature geothermal water.

11. The point of diversion identified in this application is not located within the boundary of the Boise Front Low Temperature Geothermal Resource Ground Water Management Area designated by the Director of the Department on June 10, 1988. Thus, the proposed water use is not subject to the Management Policy developed for the Boise Front.

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12. In a letter to the Department dated May 9, 1991, the applicant estimated that the space heating need for the project proposed by the application would include 8,000 square feet of households with typical thermal insulation values of R-30. Standard Department computations demonstrate that the required rate of flow for heating the homes is 0.03 cfs. In addition, some hot water is needed to provide for heat transmission losses in the lines that connect the well to the houses.

13. The applicant testified that he does not intend to develop the fish propagation water use into a commercial operation, but instead intends to raise fish as a hobby.

14. The land proposed to be irrigated under this water right has no other existing, recorded water rights. The applicant explained that the heat value of the water extends the season of use of the water for irrigation purposes. The hearing record does not include any quantification of the number of days for which the growing season is extended, or the resulting increase in crop value as a result of the use of low temperature geothermal water.

15. The applicant testified that there is surface water available for irrigation in the vicinity of the proposed project from the Capitol Irrigation District.

16. The applicant demonstrated that he intends to develop the water uses as described in the application, and to demonstrate that the application was not filed for delay or speculative purposes.

17. The applicant has sufficient financial resources with which to develop the proposed project.

CONCLUSIONS OF THE LAW

Applicable Legal Principles

1. Idaho Code, Sec. 42-203A(5) states in part as follows:

> The director of the department of water resources shall find and determine from the evidence presented to what use or uses the water sought to be appropriated can be and are intended to be applied. In all applications

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whether protested or not protested, where the proposed use is such (a) that it will reduce the quantity of water under existing water rights, or (b) that the water supply itself is insufficient for the purpose for which it is sought to be appropriated, or (c) where it appears to the satisfaction of the director that such application is not made in good faith, is made for delay or speculative purposes, or (d) that the applicant has not sufficient financial resources with which to complete the work involved therein, or (e) that it will conflict with the local public interest, where the local public interest is defined as the affairs of the people in the area directly affected by the proposed use, or (f) that it is contrary to conservation of water resources within the state of Idaho; the director of the department of water resources may reject such application and refuse issuance of a permit therefor, or may partially approve and grant a permit for a smaller quantity of water than applied for, or may grant a permit upon conditions.

2. Idaho Code, Sec. 42-226 states in part as follows:

It is hereby declared that the traditional policy of the state of Idaho, requiring the water resources of this state to be devoted to beneficial use in reasonable amounts through appropriation, is affirmed with respect to the ground water resources of this state as said term is hereinafter defined and, while the doctrine of "first in time is first in right" is recognized, a reasonable exercise of this right shall not block full economic development of underground water resources.

3. A low temperature geothermal resource is defined in Idaho Code, Sec. 42-230 as:

... All ground water having a temperature of greater than eighty-five (85) degrees Fahrenheit and less than two hundred twelve (212) degrees Fahrenheit in the bottom of the well...

4. Use of low temperature geothermal water is regulated in part by Idaho Code, Sec. 42-233, which states in part:

... The appropriation may be perfected by means of the application, permit and license procedure as provided in this chapter for ground water, provided that low temperature geothermal resources shall be utilized primarily for heat value and secondarily for the value as

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water. Usage of a low temperature geothermal resource primarily for reasons other than heat value is not a beneficial use of the resource, unless the director of the department of water resources exempts the proposed use. The director may exempt a proposed use if the director finds that the proposed use satisfies the following criteria: (i) there is no feasible alternative use of the resource, (ii) there is no economically viable source of water having a bottom-hole temperature of eighty-five (85) degrees or less in a well available; (iii) the exemption is in the public interest.

5. Consideration of the local public interest criterion of Idaho Code, Sec. 42-203A(5) is defined by the Department Water Appropriation Rules and Regulations, Rule 5,1,5, to include:

> ... the effect the project will have on the economy of the local area affected by the proposed use as determined by the employment opportunities, both long and short term, revenue changes to various sectors of the economy, short and long term, and the stability of revenue and employment gains; the effect the project will have on recreation, fish and wildlife resources in the local public area affected by the proposed use; and compliance with applicable air, water and hazardous substance standards, and compliance with planning and zoning ordinances of local or state government jurisdictions.

Application of Legal Principles

6. There is water available for appropriation in the low temperature geothermal aquifer in the vicinity of the proposed diversion. Such appropriation is not anticipated to impact the availability of water in the nearby shallower, cold temperature wells.

7. The application is found to have been made in good faith and not for delay or speculative purposes.

8. The applicant has demonstrated sufficient financial ability to complete the project as proposed.

9. The diversion rate of 2.22 cfs sought for heating uses should be reduced, since a total diversion rate of 0.11 cfs is adequate to heat the 8,000 square feet proposed. The rate of 0.11 cfs includes enough water for the calculated 0.03 cfs for heating

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plus an allowance for transmission heat losses. The use of the low temperature geothermal water resource in excess of 0.11 cfs for the extent of heating proposed in the application is contrary to the conservation of water resources within the state of Idaho.

10. The proposed use of 2.22 cfs for hobby fish propagation purposes is not in the local public interest and is contrary to the conservation of water resources within the state of Idaho. The use does not significantly benefit the economy either short term or long term and the proposed use likely will not increase employment opportunities or revenues of the local area. Other public benefits are minimal.

11. The use of low temperature geothermal water as a primary source of water for irrigation purposes in not in the local public interest and is contrary to the conservation of water resources within the state of Idaho. The department should not grant an exemption pursuant to Section 42-233, Idaho Code, to allow the low temperature geothermal water resource be used for its value as water in connection with the proposed irrigation rather than for its heat value.

12. The Department should partially approve the application.

ANALYSIS

Sec. 42-233, Idaho Code requires that low temperature geothermal water be utilized primarily for heat value and secondarily for the value as water unless the Director exempts a use.

The applicant proposes to divert 0.11 cfs for domestic uses in homes. The present use of the term "domestic" in Idaho water right administration allows water to be used for such varied purposes as culinary uses, swimming pools and home space heating. For many of these uses the heat value in the low temperature geothermal resource is a benefit that can reduce other household energy costs. For such uses, therefore, heat value is primary and

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water value is secondary. Thus, the application can be approved as consistent with the statutory provisions. Relative to amount, 0.11 cfs is typically allowed for culinary uses in five households.

The applicant proposes to divert 2.22 cfs for heating purposes. Department computations show that the 0.11 cfs is ample for space heating of the proposed homes. This use, however, is consistent with the provision of heat value being primary.

The 2.22 cfs of low temperature geothermal water sought for fish propagation use is comparable in magnitude to some of the major space heating diversions in the Boise area. For example, a rate of approximately 2.67 cfs is used to heat 400,000 square feet of space in the Veterans Hospital in Boise. The use of 2.22 cfs of low temperature geothermal water for hobby fish propagation purposes is excessive and is contrary to the local public interest.

Finally, the applicant proposes to divert 0.80 cfs for the irrigation of 40 acres. Although the irrigation of land is a beneficial use of water, this use must be examined in the context of irrigation using a low temperature geothermal resource. Since irrigation does not use geothermal water primarily for its heat value, the Director would have to issue an exemption pursuant to Idaho Code, Sec. 42-233 before the irrigation use would be allowed.

The first exemption criterion is whether there is a feasible alternative use of this resource. There have been no other applications for development of this low temperature geothermal aquifer. However, the nearby Boise Front low temperature geothermal aquifer appears to be fully appropriated for space heating uses. Thus, it is likely that as urbanization of Ada County continues, the aquifer from which the applicant proposes to divert will receive many other requests for diversions of water for heat value uses.

The second criterion is that there is no other economically viable source of water having a bottom hole temperature of 85 degrees F or less available. Information presented in Mr. Watts'

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report indicates that there are untapped cold water supplies in the vicinity of the low temperature geothermal well.

The third criterion is whether the exemption is in the public interest. This public interest is to be distinguished from the "local public interest" as defined above. In this particular situation, where the geothermal aquifer is located within two miles of another aquifer that is so fully appropriated for space heating and other low temperature geothermal purposes that additional appropriations are not allowed, it is imprudent to allow an exemption for the use of valuable geothermally heated water for irrigation purposes. If indeed the use of geothermally heated water for irrigation results in the extension of the growing season, there is likely only a limited season when the heat value could be utilized beneficially by the crops.

In summary, with respect to the provisions of the low temperature geothermal statute, this application should be approved for domestic and heating uses but must be denied with respect to the fish propagation and irrigation uses. The domestic use allows for the secondary use of irrigation of up to one half (1/2) acre for each domestic use.

ORDER

It is ORDERED that Application for Permit No. 63-11505 is HEREBY APPROVED IN PART, subject to the following conditions:

1. This water right is subject to all prior water rights.

2. The rates of flows allowed to be diverted under this water right permit are limited as follows:

Use	Amount	Period of Use From	To
Domestic	0.11 cfs	January 1	December 31
Heating	0.11 cfs	January 1	December 31

Total: 0.22 cfs

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3. Water diverted for domestic and heating purposes may be used for the secondary use of up to 1/2 acre of irrigation for each domestic use only after being used primarily for the heat value of the water.

4. The rate of diversion for domestic and heating purposes shall be proportionately limited to the number of homes actually using the water.

5. Diversion for fish propagation and irrigation purposes is not allowed under this water right except as allowed in condition to No. 3 above.

6. This permit does not authorize the construction of a new well or alteration, deepening or enlargement of the existing well.

7. The Director retains jurisdiction of this permit to require installation of a measuring device, pressure and temperature measuring equipment, and to require periodic reporting on a frequency determined by the Director. The Director also retains jurisdiction of the permit and any license issued to require reinjection of the low temperature geothermal ground water upon a determination of need by the Director.

8. Proof of construction of works and application of water to beneficial use shall be submitted on or before the date indicated on the final order.

Dated this 12th day of December, 1991.

L. Glen Saxton

L. Glen Saxton
Hearing Officer

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ATTACHMENT A

Application For Permit
No. 63-11505 In the Names of
Wallace R. &/or Eda Rae Connolly

PROTESTANTS

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID 83703

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RECEIVED
APR 15 1991
Department of Water Resources
Western Regional Office

Ident. No. 63-11505

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: WALLACE R. CONNOLLY 208-939-0441
   Address: 4983 BROOKSIDE LANE
   BOISE, ID 83703
   AND/OR
   Name: EDA RAE CONNOLLY 208-939-0441
   Address: 4983 BROOKSIDE LANE
   BOISE, ID 83703

2. Source: GROUNDWATER Trib. to:

3. Location of Point of Diversion: SWNE Sec. 34, Township 05N, Range 01E
   ADA County

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AF
IRRIGATION	03/15	11/15	0.800		
FISH PROPAGATION	01/01	12/31	2.220		
DOMESTIC	01/01	12/31	0.110		
HEATING	01/01	12/31	2.22	**	

5. Total quantity to be appropriated is:
   3.000 CFS (and/or) AF

6. Proposed diverting works:
   a. Description of ditches, flumes, pumps, headgates, etc.
   EXISTING WELL & PUMP.
   b. Height of storage dam feet; active reservoir capacity acre-feet; total reservoir capacity acre-feet; period of year when water will be diverted to storage: to inclusive.
   c. Proposed well diameter is 6 inches; proposed depth of well is 2000 feet. *
   d. Is groundwater with a temperature greater than 90F being sought? YES

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 3 years.

8. Description of proposed uses:

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* well size per drilling permit 63-89-B-215, which appears to be to deepen existing 1400' well.

** added per applicant's 5-9-91 letter & 5-16-91 FLOW RATE WORKSHEET. This is a clarification of uses rather than an expansion or addition & should not require a readvertisement. NO additional fee required. 82 5-16-91 DATABS. UPDATED

9. Place of Use: IRRIGATION

TWN	RGE	SEC		ACRES	ACRES	ACRES	TOTAL
05N	01E	27	SWSE	20			20
		34	SWNE	20			20

Total number of acres irrigated: 40

Place of Use: FISH PROPAGATION, same as IRRIGATION use

Place of Use: DOMESTIC, same as IRRIGATION use
Place of use: HEATING, same as Irrigation use **

10. Describe any other water rights used for the same purposes.

11. a. Who owns the property at the point of diversion?
APPLICANT
b. Who owns the land to be irrigated or place of use?
APPLICANT
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing.

12. Remarks:
Domestic use is for 5 homes.
Heating is for ~~dom~~ 5 homes & fish propagation operation. **

13. Map of proposed point of diversion and place of use attached? [X]

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Wallace R. Conrad
Applicant

Appl. filed date 4-16-91

Received by SC Date 4/1/91 Time 10:25 Preliminary check by RL

Fee $ 85.00 Receipted by * # C015695 Date 3/16/90*

Publication prepared by GG Date 4-24-91 Published in ID Statesman 5/2 & 5/8/91

Publication approved _____ Date _____

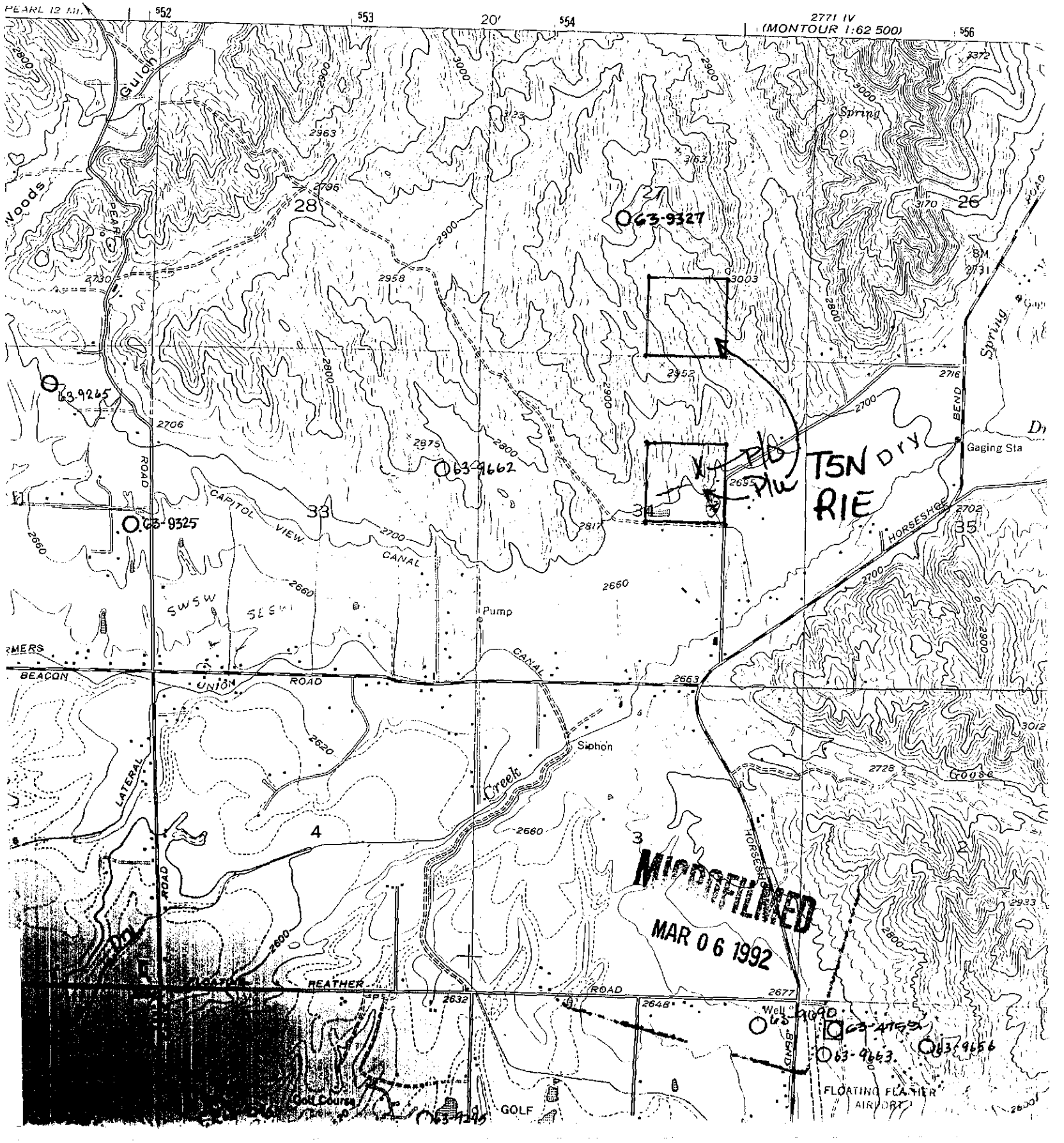
* Fee applied from withdrawn Add. Claim

** Per applicant's 5-9-91 letter, see note 05.1 of appl. Datas updated 5-16-91 RL

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TATES
THE INTERIOR
SURVEY

No quit lots
c/o, plw



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Department of Water Resources
Western Regional Office

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due
111.00

Account Number	Identification		
47628	Notice of Application for Water Right		
Ordered By	**P.O. Number**	**Rate**	**Run Dates**
Gail Garrett		nt	May 2, 9, 1991

Idaho Dept. of Water Resources
Western Region
2735 Airport Way
Boise ID 83705

Estimated Inches	Real Inches
# Affidavits	**Legal Number**
1	8300

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-11505
CONNOLLY, WALLACE R.
CONNOLLY, EDA RAE
4983 BROOKSIDE LANE
BOISE, ID 83703
Source: GROUNDWATER
Diversion Pt: SWNE Sec 34 T 05N R 01E
Use:
IRRIGATION (.800 CFS)
FISH PROPAGATION (2.220 CFS)
DOMESTIC (.110 CFS)
Total Diversion: (3.000 CFS)
Date Filed: 4/1/1991
In: T05N R01E S27 SWSE
S34 SWNE
40.0 ACRES TOTAL

63-11517
LATHEN, WILLIAM C.
LATHEN, REBECCA J.
3301 N. POLLARD LANE
STAR, ID 83669
Source: WASTE WATER
Tributary: BOISE RIVER
Diversion Pt: SWSW Sec 33 T 05N R 01W
Use: IRRIGATION (.100 CFS)
Total Diversion: (.100 CFS)
Date Filed: 4/11/1991
In: T05N R01W S33 SWSW
5.0 ACRES TOTAL

63-11518
WELSH, ROGER L.
RT. 3 3606 HUBBARD RD.
KUNA, ID 83634
Source: GROUNDWATER
Diversion Pt: SWNW Sec 17 T 02N R 01E
Use: IRRIGATION (2.000 CFS)
Total Diversion: (2.000 CFS)
Date Filed: 4/15/1991
In: T02N R01E S17 NWNW SWNW S18 NENE NWNE
100.0 ACRES TOTAL

63-11519
BOISE HUNTINGTON INC.
MICHAEL D. THOMPSON TREAS.
173 E. MALLARD DR.
BOISE, ID 83706
Source: GROUNDWATER
Diversion Pt: LOT 10 (NWSE) Sec 14 T 03N R 02E
Use: IRRIGATION (.220 CFS)
Total Diversion: (.220 CFS)
Date Filed: 4/8/1991
In: T03N R02E S14 Lot 9 (NESW) Lot 10 (NWSE)
11.0 ACRES TOTAL

63-11521
BRECKENRIDGE OWNERS ASSOCIATION
12301 W. EXPLORER DR. #200
BOISE, ID 83704
Source: GROUNDWATER
Diversion Pt: SESW Sec 25 T 03N R 02E
Use: IRRIGATION. (.090 CFS)
Total Diversion: (.090 CFS)
Date Filed: 4/15/1991
In: T03N R02E S25 SESW
2.8 ACRES TOTAL

63-11523
WARD STABLES
5250 HOODOO LANE
KUNA, ID 83634
Source: GROUNDWATER
Diversion Pt: NESW Sec 16 T 02N R 01E
Use: DOMESTIC (.100 CFS)
Total Diversion: (.100 CFS)
Date Filed: 4/11/1991
In: T02N R01E S16 NESW NWSW SESW

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 on or before MAY 20, 1991.
R. KEITH HIGGINSON, Director
Pub. May 2, 9, 1991 8300

Jill Roberts, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto; that said notice was published in The Idaho Statesman in conformity with Section 60-108, Idaho Code as amended, for two

☒ consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip

insertion(s) beginning with the issue of May 2, 19 91

and ending with the issue of May 9, 19 91

Omission of heating not fatal.
(Total 83.00 exceeds 2.22 heating use) Dlw 7/8/91

Jill Roberts

STATE OF IDAHO)
ss.
COUNTY OF ADA)

On this 9th day of May in the year of 1991, before me, a Notary Public, personally appeared Jill Roberts, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that she executed the same.

Notary Public for Idaho
Residing at Boise, ID
My commission expires: 1/2/93

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NOW STARTING RIGHT SIDE OF FILE

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

July 24, 2003

RECEIVED
JUL 28 2003
Department of Water Resources

Wallace Connolly
4983 N. Brookside Ln.
Eagle, ID 83703

Re: Flow form Low Temperature Geothermal Well

Dear Mr. Connolly:

This letter is intended to document the department's position regarding the allowed flow from your low temperature geothermal well. The well is associated with water right No. 63-11505. Department staff met with you at the well site on January 24, 2002. The purpose of the meeting was to discuss with you the flow requirements you feel are necessary to properly preserve the integrity of the well. Normally the flow from any well would be limited to that which is authorized by law and is beneficially used. You have argued that in this particular case, a minimum amount of water should be allowed to free flow from the well specifically to maintain an adequate temperature in the well attempting to minimize expansion and contraction of the casing and seal.

A file memo dated January 31, 2002 indicates that you suggested a minimum flow rate of about 20 gallons per minute (approximately 0.04cfs) for maintenance related purposes and not as a beneficial use. However, in your letter to Steve Lester dated November 13, 2001 you stated that **"When the system is not in use, a minimum flow of 3 gallons per minute is maintained to prevent the pipe from freezing and lower well seal-off". "**

While the department agrees that it may be reasonable to allow this well to flow some amount in order to preserve it's integrity, IDWR is also charged with preventing waste of these resources. Therefore, the flow from your well should be limited to that which is authorized by your water right and is beneficially used except that the department will allow a flow of 3 gallons per minute for preservation of the well's integrity. If you have any questions regarding this letter, please feel free to contact me at this office.

Respectfully,

ROBERT B. WHITNEY
Sr. Water Resource Agent
Western Region

Cc: Spackman, Slifka, Keen, File No. 63-11505

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SEP 1 8 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

December 3, 2002

WALLACE R CONNOLLY
EDA RAE CONNOLLY
4983 BROOKSIDE LANE
BOISE ID 83703

RE: License No. 63-11505 - Issuance of License

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review the conditions of approval and remarks listed on your license.

The license is a PRELIMINARY ORDER issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a $100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-327-7946.

Sincerely,

Shelley W. Keen

Shelley W. Keen
Water Rights Supervisor

SWK:klt
Enclosure(s)

cc: Scott Campbell, Attorney
James Barsby

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2003

CERTIFICATE OF SERVICE

I hereby certify that on December 3, 2002 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER(Approved License) to the person(s) listed below:

RE: WATER RIGHT NO. 63-11505

WALLACE R CONNOLLY
EDA RAE CONNOLLY
4983 BROOKSIDE LANE
BOISE ID 83703

SCOTT CAMPBELL
MOFFAT THOMAS BARRETT ROCK & FIELDS
PO BOX 829
BOISE ID 83701-0829

JAMES BARSBY
2610 CONNOLLY LN
BOISE ID 83714

Kari Lynn Townsend
Secretary

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MAR 1 1 2003

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

The accompanying order or approved document is a "**Preliminary Order**" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources (department) unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the department or the Idaho Water Resource Board (Board) is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

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FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

> Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:
>
> (a) the petition for reconsideration is disposed of; or
> (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

i. A hearing was held,
ii. The final agency action was taken,
iii. The party seeking review of the order resides, or
iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

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Comment Report

63-11505

1. kwalker 12/2/2002 Volume Recommended
Comment: Examiner recommended we license 8.1 af of water under this right. I feel we should allow 8.7 af since the volume for heating is 8.1 we should allow some water for the domestic use also. Since water must be used in the heating portion of the right before it is used for other uses, the irrigation portion of the domestic use is covered under the heating volume.

2. GUSTAFSO 12/12/1991 20 day callup
Comment: 20 day call up - proposed memorandum and order issued

3. VAULT 1/18/1995 Proof of Beneficial Use Rcvd
Comment: Proof of Beneficial Use Rcvd

The water right license will be issued for the beneficial use discovered by the field examiner, i.e. 1 home. IDWR cannot be certain that beneficial use in excess of 1 home ever occurred.

S. Keen
12/2/02

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MAR 1 1 2003

63-11505



9000 0 9000 18000 Miles

N
W E

POD-Water RightRight POD
POU-Water RightRight POU
Sections

MICROFILMED
MAR 1 1 2003

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: lgraves
Exam Date: 12/14/01
File No: 63-11505
Computations for: heating

REQUIRED DATA:

Area of livable floor space, ft2 (A)	6000
2 story? (N=1, Y=2)	2
House efficiency factor (e) *	0.44
Inside design temperature (Ti)	70
Average outside temperature (To) **	42
Source temperature, degrees F (S)	130
Heating/cooling days per season (D)	365
Hours/day system operates (H)	18

********** ********** **********

* e values are as follows:

0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors
0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors
0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER	SUMMER
4 deg F Boise	80 deg F Boise
6 deg F Grand View	90 deg F Grand View
-8 deg F Cascade	70 deg F Cascade

********** ********** **********

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
Formula: E = [e x (Ti - To)] A
Applies factor of 0.8 for two-story dwelling

E = 59,136 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
Formula: Ts = 0.3 x [S - Ti]

Ts = 18 degrees F

FLOW RATE REQUIRED (at given source temperature)
Formula: Q = E/(500 x Ts) x 448.8

Q = 0.01 cfs

DIVERTED VOLUME OVER SEASON
Formula: Vdiv = Q x D x H/24 x 1.9835 5.4

Vdiv = 7.9 AFA

```
AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN +  80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.
```

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MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

June 13, 2002

SCOTT L CAMPBELL
MOFFAT THOMAS BARRETT ROCK & FIELDS CHTD
PO BOX 829
BOISE ID 83701-0829

RE: Water Right No. 63-11505 (Connolly)

Dear Scott:

As you know, in 1995 proof of beneficial use was submitted for Permit No. 63-11505, which was issued in 1992 to your clients, Edna Rae and Wallace Connolly. The permit authorized the diversion of low temperature geothermal water for heating and domestic purposes in five homes, provided that irrigation associated with the domestic use could occur only after the water was first used for its heat value. Later in 1995 Lori Graves, an IDWR field examiner, conducted an examination to verify the water use developed in accordance with the permit. In her report, which was finalized in 2001, Lori reported that beneficial use of water for heating and domestic purposes had been established for only the Connolly home. According to her report, Lori tried to verify that water had been used for heating and domestic uses in homes other than the Connolly home – namely the Ken Masoner, James Barsby, and Dr. Skye Blue homes – but the owners of those homes told her that they did not use water under the permit. The fifth home anticipated in the permit was never built.

It is not uncommon for IDWR field examiners to give permit holders an opportunity to provide additional information, particularly if certain uses are not evident during an exam, making it difficult for the examiner to determine the extent of beneficial use developed during the authorized development period. Providing the additional information is not a requirement. Instead, it is an opportunity afforded the permit holder when the examiner thinks additional information might show that more water use was developed than was apparent during the field examination. Lori delayed completion of the field report on the permit to offer Mr. Connolly an opportunity to provide additional information showing that beneficial use had occurred in more than one home. Lori explained this in a memorandum dated 6/10/2002. (I am enclosing a copy of the memorandum for you to review.) Although additional requests for information were made by phone as a courtesy to Mr. Connolly, IDWR staff did not feel it was necessary to record the circumstances of those requests in the water right file at the time. In 2001 Lori initiated a round of correspondence to the Connollys and to the owners of the other three homes in order to provide them another opportunity to document the beneficial use that had occurred under the permit. Mr. Connolly responded with a letter describing distribution systems to the homes, but he did not provide evidence of actual water use.

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Lori completed her beneficial use field report in 2001 after receiving Mr. Connolly's letter and some additional feedback from the other homeowners. Actual diversion and use of water are the most fundamental elements of a water right. Three factors led Lori to recommend that a water right license be issued for use only in the Connolly home. First, during her field visit in 1995, she did not witness water being used under the permit in any of the homes except the one owned by the Connollys. Second, Mr. Connolly's letter described construction of a distribution system, but it was not evidence of diversion and use of the water. And third, the other homeowners told her that they never did use water diverted under the Connollys' permit. On May 3, 2002, Lori submitted the field report to the state office for issuance of a water right license.

When you, Lori, Rob Whitney, and I met on May 8, 2002, to discuss Lori's recommendations, it became clear to me that beneficial use of water under the permit probably had occurred in the Barsby home. Specifically, I noted three items. First, Rob Whitney said he remembers Mr. Barsby telling him that he had used the low temperature geothermal water. Second, according to Lori, Mr. Barsby's maid told her that Mr. Barsby had used the low temperature geothermal water. Third, you submitted a photocopy of a letter dated 9/12/1996 in which Mr. Connolly lists specific details of the water use by Mr. and Mrs. Barsby. Because of these items, I think it is reasonable to conclude that any license issued in connection with the Connollys' permit should acknowledge beneficial use in both the Connolly home and the Barsby home.

As I suggested in my May 13, 2002, letter to you, I do not think the water right file, including the field report and the additional information you provided at our May 8 meeting, contains enough evidence for IDWR to conclude reasonably that beneficial use of water occurred in the Masoner and Blue homes. Let's first look at the Masoner home. Lori's report contains the following statement regarding the Blue, Barsby, and Masoner homes.

> All three owners stated that although they were equipped to use the applicant's well for heating, they never did because the applicant wanted to charge them an amount that was not cost efficient. Instead, all three heat with natural gas and use individual wells for domestic use.

On May 15, 2002, IDWR mailed questionnaires to Masoner and Blue asking about water use in their homes under the permit. On May 20, 2002, IDWR received a signed response from Ken Masoner. (See the copy enclosed.) One of the questions was, "Was the system ever put to use?" Mr. Masoner responded, "NO." On May 8 you provided a photocopy of an earnest money agreement between Kenneth and Debra Sue Masoner (buyers) and Wallace R. and Edna Rae Connolly (sellers). The earnest money agreement, which is not dated or notarized, describes how the Connollys would provide geothermal water to the Masoners, but it is not evidence that the water was ever actually diverted and used in the Masoner home. Because the evidence boils down to essentially conflicting assertions by Connolly and Masoner, it is reasonable to look for

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MAR 1 1 2003

additional evidence to corroborate one assertion or the other. In my May 13 letter I offered you the opportunity to provide more evidence. I even suggested the kinds of evidence that might be both available and convincing, including billing and deposit records. Because additional evidence was not provided, IDWR is left with only the fact that beneficial use was not demonstrated during the field inspection in 1995 to resolve the conflicting assertions of Connolly and Masoner.

Now let's look at the Blue home. Again there is the field examiner's statement that the house was equipped to use the low temperature geothermal water, but the water was not being used. When questioned during our meeting on May 8, Lori said she felt that Dr. Blue was "definite" in his assertion that water from Connolly had not been used in his home. Dr. Blue did not respond to IDWR's questionnaire. From the permit holder's side, there is Mr. Connolly's letter describing a distribution system in Dr. Blue's home, but not actual diversion and use of water. Unlike Masoner, however, Dr. Blue did not own his home during the authorized development period for the permit. Therefore, he may not know the entire history of water use in his home. Lori attempted to contact the former owners of the Blue home. As her memo describes, she was unable to locate them. Unless additional evidence is provided, IDWR is left with only the fact that beneficial use was not demonstrated during the field inspection in 1995.

I have prepared a draft water right license recognizing beneficial use for domestic and heating purposes in two homes. A copy of the draft is enclosed. I am prepared to recommend that the license be issued as shown in the draft. The license would be issued as a preliminary order of the Department. If, however, you and your client would like additional time to gather documentation demonstrating additional beneficial use, I can hold the file for 30 days. Please let me know how you want to proceed. If I do not hear from you within 30 days, I will recommend that the license be issued in accordance with the draft.

If you have any questions, please call me at 208-327-7946, or email me at skeen@idwr.state.id.us.

Sincerely,

Shelley Walter Keen
Water Rights Supervisor

Enclosures

cc: Lori Graves

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MAR 1 1 2003

DRAFT

State of Idaho
Department of Water Resources

DRAFT

Water Right License

WATER RIGHT NO. 63-11505

Priority: April 1,1991

Maximum Diversion Rate: 0.04 CFS
Maximum Diversion Volume: 17.2 AF

It is hereby certified that EDA RAE CONNOLLY And/Or WALLACE R CONNOLLY
4983 BROOKSIDE LANE
BOISE ID 83703 has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 01, 1991; and has submitted Proof of Beneficial Use on January 18, 1995. An examination indicates that the works have a diversion capacity of 0.2 cfs of water from:

SOURCE
GROUND WATER

and a water right has been established as follows:

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL DIVERSION VOLUME
DOMESTIC	01/01 to 12/31	0.04 CFS	1.2 AF
HEATING	01/01 to 12/31	0.04 CFS	16.0 AF

LOCATION OF POINT(S) OF DIVERSION:
GROUND WATER SW¼NE¼ Sec. 34, Twp 5N, Rge 1E, B.M. ADA County

PLACE OF USE: HEATING

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N 01E 34			X														

PLACE OF USE: DOMESTIC – Same as HEATING

CONDITIONS OF APPROVAL

1. The point of diversion is also known as Lot 5, Block 1, Connolly Subdivision.
2. Place of use is also known as Lots 3 and 4, and Lot 5, Block 1, Connolly Subdivision.
3. Heating use is for two homes.
4. Domestic use is for irrigation of lawn and garden for two homes.
5. Water diverted for heating purposes may be used for the secondary use of up to 1/2 acre of irrigation for each home only after being used primarily for the heat value of the water.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

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MAR 1 1 2003

MEMORANDUM

RECEIVED
JUN 1 1 2002

DATE: 6/10/2002

FROM: Lori Graves

TO: Shelley Keen

RE: Water Right No. 63-11505

The field exam for water right permit no. 63-11505 was conducted in 1995. The exam was not forwarded to the state office for licensing because the regional office requested and was waiting for additional information from the applicant confirming that heat systems were installed and being used by the newly constructed homes in Connolly Subdivision.

After a recent effort in gaining this information, it appears that the home located on lot 1 is the only residence that remains in question regarding beneficial use of heating. According to Mr. Connolly's letter dated 11/13/2001, lot 1 was originally owned by Ken and Pam Smith. A new address and/or phone number for Ken and Pam Smith was not found in the local directory. Ken Masoner, owner of lot 2, then told me that lot 1 was owned by Dr. Sky Blue. Dr. Blue is not listed in the phone directory, however, the physicians directory gave me Dr. Sky Blue's office address. I sent him a letter 11/26/2001, in which he telephoned me and stated that his home has only used gas heat since he has lived there and that he was not interested in using the hot well.

The question now is whether the previous owners to Sky Blue had ever used the hot well for heating? I called the Ada County Assessors office do a background check on lot 1 in hopes of finding how to reach the original owners. The assessor confirmed that the original owners of lot 1 were Ken Smith and Pam Petrich. The local telephone directory listed several Ken/Kenneth Smiths, but not Pam Petrich. The assessor did not have a forwarding address and did not have these two names associated with any other property in Ada County.

The assessor also confirmed that the current owner of lot 1 is Dr. Sky Blue and Janet O'Donnell and that the current address is listed as 4033 N Brookside Lane. I sent a follow-up letter to Dr. Sky Blue O'Donnell at that address 5/15/2002 requesting additional information and have not received a response.

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RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: lgraves
Exam Date: 12/14/01
File No: 63-11505
Computations for: heating

REQUIRED DATA:

Area of livable floor space, ft2 (A)	6000
2 story? (N=1, Y=2)	2
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Average outside temperature (To) **	42
Source temperature, degrees F (S)	130
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Hours/day system operates (H)	18

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0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors

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0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes

1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER	SUMMER
4 deg F Boise	80 deg F Boise
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-8 deg F Cascade	70 deg F Cascade

********** ********** **********

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
Formula: E = [e x (Ti - To)] A
Applies factor of 0.8 for two-story dwelling

E = 59,136 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
Formula: Ts = 0.3 x [S - Ti]

Ts = 18 degrees F

FLOW RATE REQUIRED (at given source temperature)
Formula: Q = E/(500 x Ts) x 448.8

Q = 0.01 cfs

DIVERTED VOLUME OVER SEASON
Formula: Vdiv = Q x D x H/24 x 1.9835

5.4

Vdiv = 7.9 AFA

```
AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN +  80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.
```

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MAR 1 1 2003

RECEIVED
JUN - 4 2002
Water Resources

Boise
Idaho Falls
Pocatello

Moffatt Thomas

MOFFATT THOMAS BARRETT ROCK & FIELDS, CHTD.

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John W. Barrett
R. B. Rock
Richard C. Fields
Robert E. Bakes
John C. Ward
D. James Manning
Gary T. Dance
Larry C. Hunter
Morgan W. Richards
Mark A. Ellison
Randall A. Peterman
Mark S. Prusynski
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Glenna M. Christensen
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Scott L. Campbell
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Michael E. Thomas
Patricia M. Olsson
James C. deGlee
Bradley J Williams
Lee Radford
Michael O. Roe
David S. Jensen
James L. Martin
C. Clayton Gill
Stephanie A. Balzarini
David P. Gardner
Julian E. Gabiola
Paul C. Swainston
Angela D. Schaer
Casey C. Robertson
Ray J. Chacko
Bradley J. Dixon
Keasa L. Hollister
Mark C. Peterson
Willis C. Moffatt,
1907-1980

US Bank Plaza Building
101 S Capitol Blvd 10th Fl
PO Box 829
Boise Idaho 83701 0829

208 345 2000
800 422 2889
208 385 5384 Fax
www.moffatt.com

May 31, 2002

Shelley Keen
Idaho Department of Water Resources
PO Box 83720
Boise, ID 83720

Re: Water Right No. 63-11505 (Connolly)
MTBR&F File No. 19301.0

Dear Shelley:

I am responding to your correspondence of May 13, 2002. I appreciate your willingness to meet with me concerning this matter. And, while I can appreciate the Department's desire to complete a thorough beneficial use evaluation in this matter prior to licensing, I would like to remind you of my substantial concerns about the delays which have already occurred and the prejudicial effect it has had on my clients.

As I pointed our during our meeting, I see nothing in the Department's rules or regulations concerning beneficial use and licensing which would allow the Department to require additional specific information concerning beneficial use over six years after the field examination was conducted by Department personnel.

I will now address some of the specific questions and comments you provided in your correspondence.

First, I would like to comment on what I believe to be your mistaken view of the facts which have been presented to you. In the second paragraph of your correspondence, you state:

> After looking over the water right file, including the information you provided, I think it would be valuable to collect additional evidence regarding the ***possibility*** that water delivered by Mr. Connolly was used for heating in the homes owned by Skye Blue and Ken Masoner. (Emphasis added.)

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MAR 1 1 2003

The documentation provided by Mr. Connolly and by me at the meeting in your offices, clearly indicates that water was delivered for heating purposes to the homes owned by Ken Masoner and the predecessor-in-interest to Skye Blue. Mr. Connolly's correspondence of November 13, 2001, clearly indicates factual circumstances which demonstrates that use. If the Department desires yet additional information, I strongly recommend that it contact the U.S. Army Cold Water Division, which has collected computer data for its research purposes for both residences. Additionally, Mr. Connolly's reference to the residence of Ken and Pam Smith on Lot 1 should provide more than adequate information to confirm that beneficial use actually occurred. Please review Mr. Connolly's correspondence for a detailed description of the heating system which was installed by Connolly Construction when they built the residence.

As I indicated to you during our meeting, all billing and engineering records for the system and the related matters were destroyed in the fire which consumed the Connolly residence. It is indeed ironic that the Department continues to request such information at this late date. If it had properly conducted its internal licensing process following the beneficial use exam, these additional items of information could have easily been provided prior to the fire occurring. It is also ironic that these documents were destroyed in a fire which was attributed to Mr. Barsby's burning of weeds on his property.

Again, I would like to emphasize that my clients are extremely frustrated with the Department's approach in this matter. Apparently, the Department is unwilling to rely upon the good word of Wallace Connolly, as reflected in his correspondence of November 13, 2001. This is particularly galling in view of the Department's negligence and failure to promptly review this water permit for licensing immediately following the beneficial use proof exam conducted by Department personnel.

In view of the circumstances of this matter, I request that the Department immediately concludes its additional investigation and render a determination so that the Connolly's can decide whether they desire to request a formal hearing pursuant to Idaho Code section 42-1701A.

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MAR 1 1 2003

Thank you for your assistance and cooperation in this matter.

Very truly yours,

Scott L. Campbell

SLC/dll
cc: Lori Graves, IDWR Western Region
Wallace Connolly
Cullen Connolly

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MAR 1 1 2003

Moffatt Thomas
MOFFATT THOMAS BARRETT ROCK & FIELDS, CHTD.

Eugene C. Thomas
John W. Barrett
R. B. Rock
Richard C. Fields
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Mark C. Peterson

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RECEIVED
MAY 23 2002
Idaho Dept. of Water Resources

Boise
Idaho Falls
Pocatello

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PO Box 829
Boise Idaho 83701 0829

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800 422 2889
208 385 5384 Fax
www.moffatt.com

May 22, 2002

Shelley Keen
Idaho Department of Water Resources
PO Box 83720
Boise, ID 83720

Re: Water Right No. 63-11505 (Connolly)
MTBR&F File No. 19301.0

Dear Shelley:

Thank you for your correspondence of May 13, 2002. I have only recently sent a copy of this correspondence to my clients for their review. I also will be meeting with them in the near future to discuss the content of your correspondence.

If any of the information requested in your correspondence is reasonably available, we will attempt to provide it to you. Thank you for your attention to this matter.

Very truly yours,

Scott L. Campbell

SLC/dll

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MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

RECEIVED
MAY 22 2002
Department of Water Resources

DIRK KEMPTHORNE
Governor
KARL J. DREHER
Director

May 15, 2002

COPY

RECEIVED
MAY 20 2002
WATER RESOURCES
WESTERN REGION

Ken Masoner
2601 Connolly Ln
Boise ID 83703

Re: Historical Heating Use

Dear Mr. Masoner:

As a follow-up to the letter I sent in November, 2001, regarding the current use of Mr. Connolly's geothermal well for heating, the Department would appreciate the following information regarding possible historical heating use.

1. Was a heating system for use of the geothermal well ever installed at your residence? Yes
2. Was the system ever put to use? NO utility NOT completely offered it would have been too EXPENSIVE
3. How long was the system used?
4. What happened to the return flows after heating use?
5. Was water from the geothermal well used for other uses besides heating? NO

Any information you can provide regarding historical use of Mr. Connolly's geothermal well would be useful to the Department. Please let me know as soon as possible if you can provide this information. If you have any questions, please call me at 334-2190, or email me at lgraves@idwr.state.id.us.

Sincerely,

Lori Graves
Sr. Water Resource Agent

Jen Masoner
2601 Connolly Lane
Boise, 83703

Selwayriver@earthlink.net
Cor now - 7/5 Middle Fork is 1/2 price to ALL inquiries —
15 Lemhi
83467

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MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor
KARL J. DREHER
Director

RECEIVED
MAY 16 2002
Department of Water Resources

May 15, 2002

Dr. Sky Blue O'Donnell
4033 Brookside Ln
Boise ID 83703

Re: Historical Heating Use

Dear Dr. Sky Blue O'Donnell:

As a follow-up to the letter I sent in November, 2001, regarding the current use of Mr. Connolly's geothermal well for heating, the Department would appreciate the following information regarding possible historical heating use.

1. Was a heating system for use of the geothermal well ever installed at your residence?
2. Was the system ever put to use?
3. How long was the system used?
4. What happened to the return flows after heating use?
5. Was water from the geothermal well used for other uses besides heating?

Any information you can provide regarding historical use of Mr. Connolly's geothermal well would be useful to the Department. Please let me know as soon as possible if you can provide this information. If you have any questions, please call me at 334-2190, or email me at lgraves@idwr.state.id.us.

Sincerely,

Lori Graves
Sr. Water Resource Agent

MICROFILMED
MAR 11 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor
KARL J. DREHER
Director

May 15, 2002

Ken Masoner
2601 Connolly Ln
Boise ID 83703

Re: Historical Heating Use

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1. Was a heating system for use of the geothermal well ever installed at your residence?
2. Was the system ever put to use?
3. How long was the system used?
4. What happened to the return flows after heating use?
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Any information you can provide regarding historical use of Mr. Connolly's geothermal well would be useful to the Department. Please let me know as soon as possible if you can provide this information. If you have any questions, please call me at 334-2190, or email me at lgraves@idwr.state.id.us.

Sincerely,

Lori Graves
Sr. Water Resource Agent

MICROFILMED
MAR 1 7 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

May 13, 2002

SCOTT L CAMPBELL
MOFFAT THOMAS BARRETT ROCK & FIELDS CHTD
PO BOX 829
BOISE ID 83701-0829

RE: Water Right No. 63-11505 (Connolly)

Dear Scott:

Thank you for meeting with Lori, Rob, and me last week to discuss the licensing of Water Right 63-11505. The information you provided is likely to be very helpful in determining the extent of beneficial use developed in accordance with the permit during the authorized development period.

After looking over the water right file, including the information you provided, I think it would be valuable to collect additional evidence regarding the possibility that water delivered by Mr. Connolly was used for heating in the homes owned by Skye Blue and Ken Masoner. Lori Graves is attempting to contact the former owners of Dr. Blue's home to discuss the matter with them. As another possible source of evidence, does Mr. Connolly have billing and deposit records showing who was billed and who paid him for the use of the low temperature geothermal resource? I understand that many of Mr. Connolly's records were destroyed in a fire, but perhaps records of deposits are available from Mr. Connolly's bank. Evidence of payment by a particular homeowner would be a strong indicator of water use.

When preparing a license for this right, IDWR will also have to discern to what extent the water was used for domestic purposes, as well as for heating use. Any information you have regarding lawn watering, hot tub filling, etc., would be useful. It would also be very useful to have as-built plans of the water delivery and return system to see how the hot water may have been collected and distributed after it was used for heating purposes. Again, I understand that records of this kind may have been lost in the fire, but perhaps copies are on file with an engineering firm or construction company that aided in the design or installation of the system.

MICROFILMED
MAY 1 [illegible]

Please let me know as soon as possible if you can provide this information. We continue to strive for a speedy, thorough, and accurate resolution to this matter. If you have any questions, please call me at 208-327-7946, or email me at skeen@idwr.state.id.us.

Sincerely,

Shelley W. Keen

Shelley W. Keen
Water Rights Supervisor

cc: Lori Graves, IDWR Western Region

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Notes

By: Shelley W. Keen

Date: May 8, 2002

Subject: Meeting to discuss the licensing of Permit 63-11505

Today I met with attorney Scott Campbell, Lori Graves of IDWR, and Rob Whitney of IDWR to discuss the evidence of beneficial use in accordance with Permit 63-11505. Mr. Campbell is representing the permit holder, Wallace Connolly. In addition to what is in the water right file, Mr. Campbell submitted a folder containing documents he feels might be relevant.

At issue is how many homeowners received and made beneficial use of low-temperature geothermal water for heating and domestic purposes during the authorized development period. Mr. Campbell represents that Mr. Connolly should receive a license reflecting beneficial use in four homes, which is the total number constructed on the five lots named in the permit proceedings. The field examiner is only certain that water was used for domestic and heating purposes in Mr. Connolly's home. The hot water is not used in any of the other homes now. It is unclear whether water was ever used in the other three homes. Apparently Steve Lester of IDWR telephoned Mr. Connolly in 1995 or 1996 to ask for additional information to verify beneficial use in the other homes, but the additional information was not provided at that time. There is no written record of Steve Lester's request. Steve Lester renewed his request by telephone in 2001, and Mr. Connolly responded with a letter describing delivery systems to all the homes. There seems to be other good evidence that water was used in the home owned by James and Janis Barsby.

- Rob Whitney said he remembers Mr. Barsby telling him that he had used the hot water.
- Mr. Barsby's maid told Lori Graves that Mr. Barsby had used the hot water.
- Mr. Campbell submitted a photocopy of a letter in which Mr. Connolly refers to use by Mr. Barsby.

The third house is owned by Dr. Skye Blue. He told Lori Graves that he has never used the hot water for domestic or heating purposes. However, Dr. Blue was not the original owner of the home. It is possible that the original owners, Ken and Pam Smith, used the hot water. Lori Graves agreed to attempt to locate the Smiths to ask them about their water use while living in the house.

The fourth house is owned by Ken and Debra Masoner. Mr. Masoner told Lori Graves he has never used the hot water for domestic or heating purposes. Mr. Connolly, through Campbell, disputes this statement. It would be useful to find an independent source to corroborate Mr. Masoner's statement.

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Use of the hot water for domestic purposes, as opposed to just heating purposes, hinges on how the hot water is dispersed after being used for heating. It would be useful to have a copy of the as-built system diagram to determine if it is possible for the water discharged from the heating system to be used by the homeowners for other purposes. Lori Graves thinks the system was constructed so that all water used for heating would return to Mr. Connolly's pond. I agreed to write Mr. Campbell and ask for this information. I think I may also ask Mr. Campbell if there are any billing/payment records for use of the water during the development period.

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5/8/2002 RE: Licensing of 63-11505

Meeting Notes of S. Keen

Scott Campbell
Rob Whitney
Lori Graves
Shelley Keen

- 1995 Field Exam notes show (11/14/95) 5 homes.
- 2001 IDWR requests more info (8/24/2001) on heating.
- 2001 10/18/2001 Reminder letter.

(Connollys have 3200 acres. Other geothermal wells are on the property, but not right nearby.)

Campbell represents that Connolly believed everything had been done in 1995 and was surprised the license had not been issued.

- 2001 11/13/2001 Connolly responded describing geothermal systems to the homes

-2001 Residences queried. Had all "never" or "stopped" using water for heating.

- Owner of water right has no control over whether user uses the water. (Aberdeen Springfield forfeiture case.)

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Definite — Masoner — Lt 2 reported in 2001 "had never" used
Questionable — Barsby — Lt. 3+4 reported in 2001 "had never" used
Definite — Blue — Lt 1 reported in 2001 "had never" used
according to Lori Graves

Lts 3+4

- Barsby maid told Lori he used hot water.
- Connolly wrote Barsby (Tab 3) a letter which implies water [redacted] had been served.
- Pob says [redacted] Barsby told him he had used the hot water.

Lts 1

Sky Blue was not original owner. Original owners may have used hot water + discontinued. Good idea to try to contact original owners.

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Form 219
6/92

RECEIVED
MAY - 3 2002
Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 63-11505

1. Owner Eda Rae and Wallace Connolly Phone No. 939-0441

Current Address: 4983 Brookside Ln Boise ID 83703

2. Accompanied by: Wallace EXAM DATE : 11/15/1995

Address: Phone No.

Relationship to Permit Holder:

3. Source: Ground water tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

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

Ident No.	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	NE	34	5N	1E	Ada	Topo Map

2. Place(s) of Use: Indicate Method of Determination same as above

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5N	1E	34			D/H														

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Scan Book Here

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

See attached handwritten exam

__Y__ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

__N__ Aerial Photo Attached (required for irrigation of 10+ acres).

__Y__ 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
Artesian					

**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
250 Gal Trough						
Stopwatch						

2. **Measurements:**

.20 cfs

E. NARRATIVE/REMARKS/COMMENTS

A 10" artesian/geothermal well supplies water to 1 home for heating and domestic uses. The home was recently destroyed by fire, but was present at the time of the 11/15/95 exam. Applicant plans to replace the home and continue to use the well for heating and domestic uses. P/u and P/D aka Lot 5, Block 1, Connolly Subdivision.

MAR 1 1 2003

During the 1995 exam, the well's flow rate and temperature were measured. Three impoundments were found to be used for storage of the spent well water. In response to neighbor complaints, previous department investigations concluded that the total size of the ponds were within the limits of the permit based on a flow rate of .22 cfs. At the time of the 1995 exam, applicant stated that 4 existing homes used the well for heating and domestic uses and that a fifth home lot had been stubbed in for future use. The heating works inside each home were not verified at the time of the exam. Information about the specific heat system designs in each of the homes was requested from the applicant but not submitted. In 2001, applicant was again asked for specifics. Applicant refused to contact his neighbors and instead, provided heat

design specifics for his home located on Lot 5, which had been destroyed by fire, and addresses for the other homes stubbed to his well for heating and domestic uses. I contacted the following owners of the homes:

Sky Blue, Lot 1

Ken Masoner, Lot 2

James Barsby, Lots 3 & 4

A 5th home was obviously not developed. All three owners stated that although they were equipped to use the applicant's well for heating, they never did because the applicant wanted to charge them an amount that was not cost efficient. Instead, all three heat with natural gas and use individual wells for domestic use. As a result, only the applicant's home site, located on Lot 5, can be recognized for beneficial heating/domestic purposes under this permit. A letter was sent to Mr. Connolly 12/28/01 requiring him to valve back the artesian/geothermal well based on the amounts recommended and to also file an application for the ponds, since their total volume now requires a storage right (see attached correspondence).

After consulting with Rob Whitney, we asked the applicant in the letter to determine the amount needed to preserve the geothermal/artesian well's integrity, rather than the department, in case liability becomes an issue if the well develops future problems.

A compliance visit with the applicant was made 1/24/02 at the well site in regards to the specifics of the 12/28/01 letter. The well could be valved completely off, however the applicant stated that he needed a flow rate of ~20 gpm to preserve the integrity of the well. The problem is that preservation of well integrity may not be considered a beneficial use. Gary Spackman suggested that the extra flow be recognized in a condition of the license, not to exceed .04 cfs and/or 13,000 gpd, as determined by the applicant.

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

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F. FLOW CALCULATIONS _____ Additional Computation Sheets Attached

Measured Method:

242.4 gallons x 60 sec/164 sec = 88.7 gpm = .20 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) =

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

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

2. Volume Calculations for Other Uses:

Primary use: Heating
See attached Heat Requirement Worksheet, which calculates applicant's heating needs at .01 cfs (allow .02 cfs) and 8.1 afa.

Secondary use: Domestic
Internal/external domestic use for 1 home: limited to .02 cfs per heating requirement and 1.2 afa per dept standards.

H. RECOMMENDATIONS

1. **Recommended Amounts**

Beneficial Use	Period Of Use		Rate Of Diversion Q (CFS)	Annual Volume V (AFA)
	From	To		
Heating	1/1	12/31	.02	8.1
Domestic	1/1	12/31	.02	1.2
TOTAL			**.02 cfs**	**8.1 afa**

2. **Recommended Amendments**

_ Change P.D. as reflected above _ Add P.D. as reflected above _x_ None
_ Change P.U. as reflected above _ Add P.U. as reflected above _ Other

I. AUTHENTICATION Lori Graves –Senior Agent

Field Examiner's Name Lori Graves Date 1/25/02

Reviewer _____ Date _____ SEAL

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MAR 1 1 2003

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by:	lgraves
Exam Date:	12/14/01
File No:	63-11505
Computations for:	heating

REQUIRED DATA:

Area of livable floor space, ft2 (A)	3200
2 story? (N=1, Y=2)	1
House efficiency factor (e) *	0.67
Inside design temperature (Ti)	70
Average outside temperature (To) **	42
Source temperature, degrees F (S)	130
Heating/cooling days per season (D)	365
Hours/day system operates (H)	18

********** ********** **********

* e values are as follows:

0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors

0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors

0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes

1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER	SUMMER
4 deg F Boise	80 deg F Boise
6 deg F Grand View	90 deg F Grand View
-8 deg F Cascade	70 deg F Cascade

********** ********** **********

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
Formula: E = [e x (Ti - To)] A
Applies factor of 0.8 for two-story dwelling

E = 60,032 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
Formula: Ts = 0.3 x [S - Ti]

Ts = 18 degrees F

FLOW RATE REQUIRED (at given source temperature)
Formula: Q = E/(500 x Ts) x 448.8

Q = 0.01 cfs

DIVERTED VOLUME OVER SEASON
Formula: Vdiv = Q x D x H/24 x 1.9835

Vdiv = 8.1 AFA

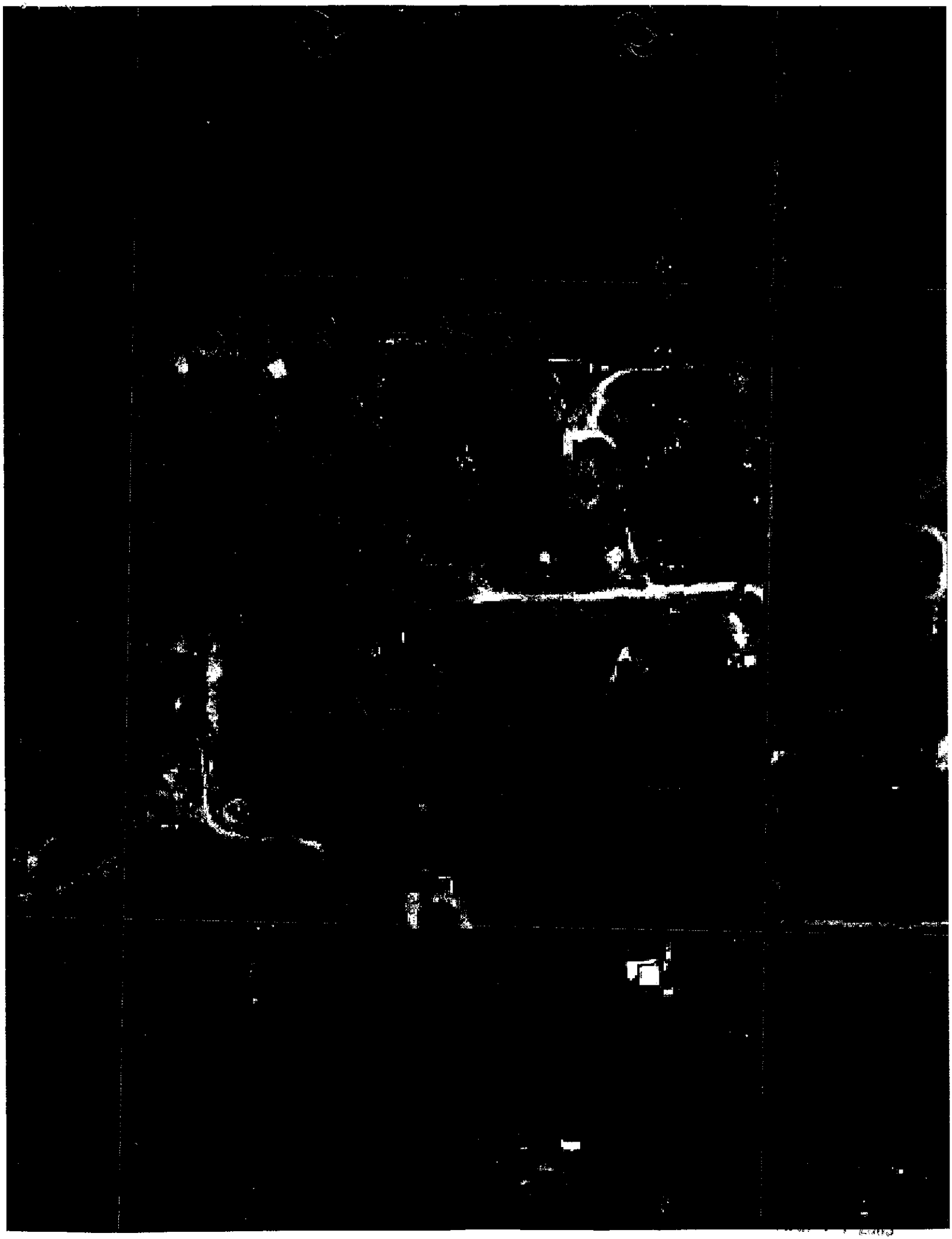
```
AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN +  80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.
```

ATTACHMENT 1

MICROFILMED
MAR 1 1 2003



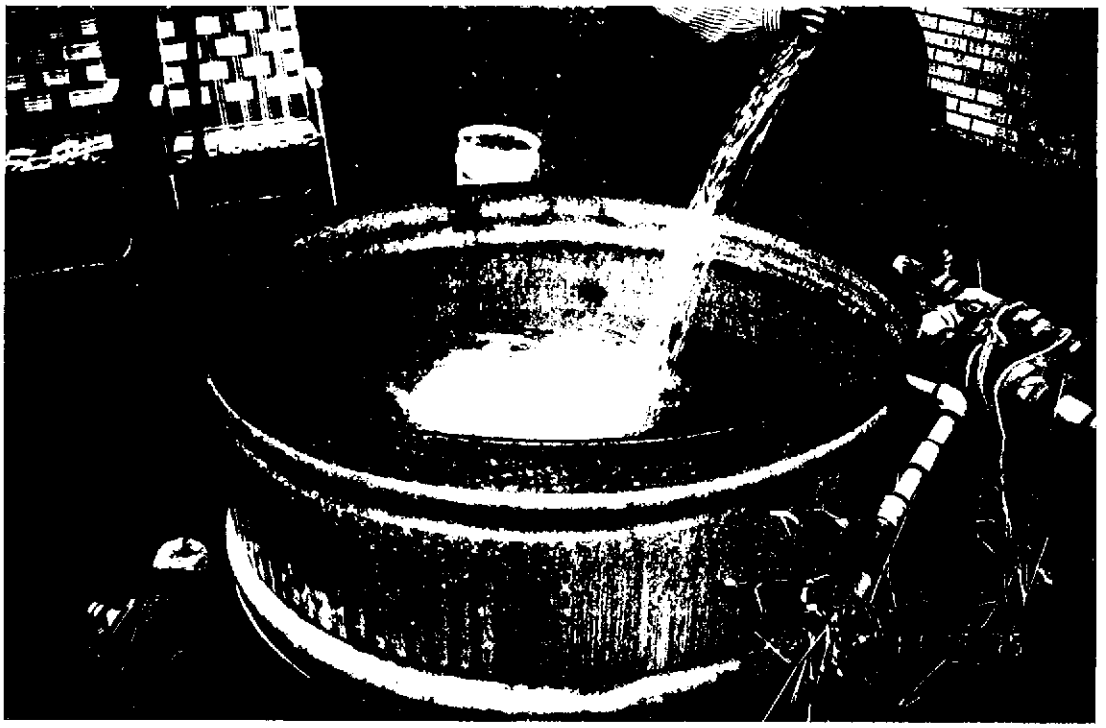


IMPOUNDMENTS EAST OF PD

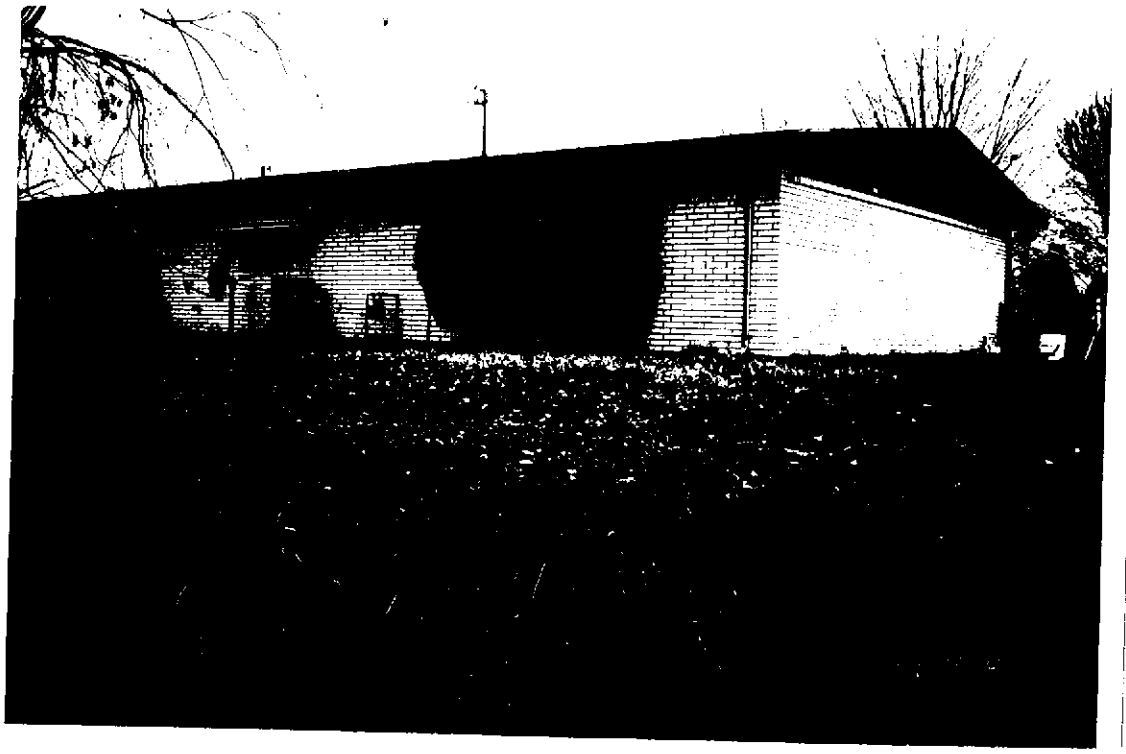


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MAY 1 1 2002

63-11505



10" steel flowing artesian well



Lot 5

P/M

2 P/O

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MAR 1 1 2003

Source temp: 130°

GENERAL INFO

ATTACHMENT #2

CONV DATE: 11/14/95

NAME: Wallace Connally

PHONE #: 939-0441/853-4551

PERMIT #: 63-11505

LOCATION OF WELL:

CASING SIZE: 10"

HP: free flowing artesian

DYNAMIC:
STATIC: X
DEPTH:

PSI: open

ACRES IRRIGATED: ½ /hr

SPRINKLER INFO:
TYPE:
SIZE:
LENGTH:
OPERATING:

STOCK:

DOMESTICS: 5

OTHER USES:

OTHER RTS USED:

DIRECTIONS:

1. 3200□'
2. 6000□'
3. 4000□'
4. 3600□'
5. 3000□' covenance □' requirement (not built yet)

2" line to homes



used aluminum ~250 gal trough for timed fill

-fill depth: 1.95' in 2 min, 44 sec

r = Dia/2 = 2.3

A = πr² = 16.62

V = fill depth x A x 7.48 gal/cu'

= 1.95' x 16.62 x 7.48

= 242.4 Gallons

Timed fill: 242.4 gal x 60 sec / 164 sec

= 88.7 GPM

= .20 CFS

EXAM DATE: 11/15/95 10:00

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MAR 1 1 2003

63-11505

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

Drilling Permit No.: _____

Water Right No.: 63-11505

Owner: Connolly, Wallace Phone No.: 939-0441

Address: _____

1. Well Location: ___ ¼, SW ¼, NE ¼, Lot ___, Twp 5N, Rge 1E,
   Sec. 34, Ada County (provide sketch map on reverse)
2. Driller: Doty, Justice
   Is driller licensed? X yes ___ no License No.: #042, #204
   Date of Completion: 11-10-89
3. Casing size: 10" Surf Water tight cap? ___ yes ___ no
   Casing ≥ 12 inches above ground? X yes ___ no
4. Evidence of well seal? ___ yes ___ no
   ___ visual Auger to a depth of _____
5. Access Port: ___ yes ___ no Static Water Level: _____
   Pressure Gauge: ___ yes X no Temperature: 78.5°F LTG
   Pressure: ?
6. Flowing Artesian? X yes ___ no
   Flowing: ___ around annulus ___ through casing
7. Are there obvious construction problems that may be a source for contamination or waste of water? X yes ___ no

Remarks: 63-89-C-215 - Well is Leaking
Couldn't determine where - Small amount

RB Whitney (Agent) 1-22-93 (Inspection Date)

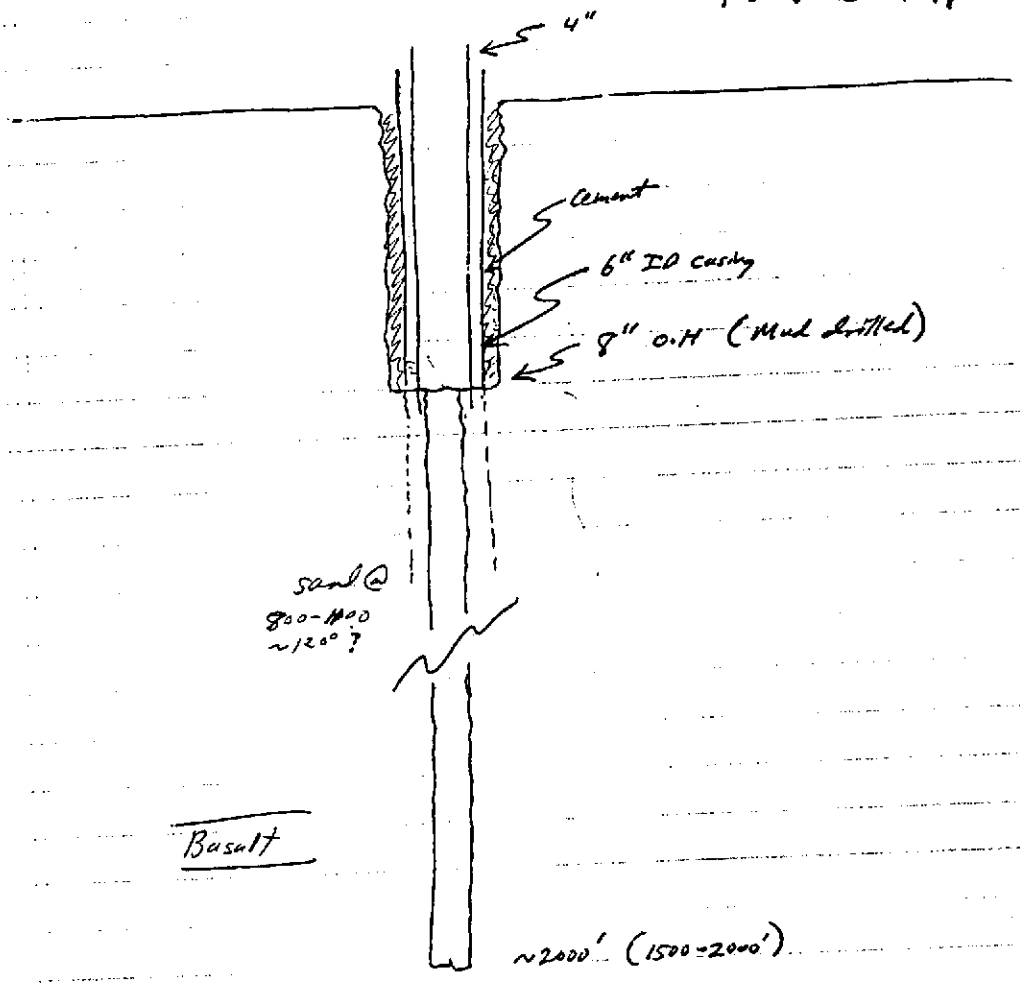
Form 238-I
04/92

Doty
459-9627

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MAR 1 1 2003

63-11505

Wally Connolly
939-0441



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MAR 1 1 2003

63-1150S

Form 238-7
6/89

RECEIVED
DEC 18 1989
Department of Water Resources

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 TYPEWRITER OR BALLPOINT PEN

RECEIVED
OCT - 9 1992
Department of Water Resources
Western Regional Office

1. WELL OWNER

Name Wallace R. Comalli

Address 4983 Brookside Lane
Boise, Ida. 83702

Owner's Permit No. 63-89-2-213-001
#63-11505

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ 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 Core Drill

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	10 inches +	1 feet	159 ? feet
_____ inches	6 inches	1 feet	1200 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 ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ 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 29 ? 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.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____

County Ada

SW ¼ NE ¼ Sec. 34, T. 5 N ☐ S ☐ R. 1 E ☑ W ☐

7. WATER LEVEL

Static water level 70 ? 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
water came to 12 Ft of surface		

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
4,5	1400	1540	gray Sand color shale. A few hard streaks Like sand stone.		

Received
Department of Water Resources
Eastern District Office
JUN 21 1993

10.

Work started 11-3-89 finished 11-10-89

11. DRILLERS CERTIFICATION

DL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Justice Drilling Firm No. 204
1150 E. Ustick Rd
Address Meridian, Date 11-13-89

Signed by (Firm Official) Leonard L. Justice

and

(Operator) _____

63-11505

USE ADDITIONAL SHEETS IF NECESSARY FOR A DETAILED LITHOLOGIC LOG AND ANY OTHER INFORMATION

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

December 28, 2001

Wallace Connolly
4983 N Brookside Ln
Boise ID 83703

Re: Geothermal Artesian Well

Dear Mr. Connolly:

Thank you for providing the information requested by Idaho Dept. of Water Resources (IDWR) concerning the use of your geothermal/artesian well. We were able to contact the owners of lots 1, 2, 3 and 4 and obtain the additional information we were seeking regarding their use of the well.

Based on the limits of the permit and the uses actually developed, water right no. 63-11505 will be licensed for .02 cfs and 2.0 acre feet/year for heating and domestic use for one home located on Lot 5. Please refer to the enclosed computation sheet for heating use. Although the home has been destroyed by fire, domestic and heating uses will be allowed at the licensed rate for a future residence proposed at the same location. Please note that the conditions for water right no. 63-11505 state that the water from said well can only be diverted if being used primarily for the heat value of the water. **Until the new residence has been constructed and the heating system utilized, use of the well is prohibited.** However, the Department recognizes that there may be some need to maintain a minimal artesian flow to preserve the well's integrity. It is then the well owner's responsibility to establish this minimal artesian flow rate in coordination with IDWR, otherwise the well must be valved off.

If you feel a minimum artesian flow rate is necessary to preserve the well's integrity and/or wish to discuss methods of valving flowing artesian wells, please contact Rob Whitney at this office within 30 days from the date of this letter. After 30 days, IDWR will conduct a compliance investigation to make sure the well has been properly valved. Non-compliance will result in department enforcement action required by Idaho Law.

Before secondary water can be diverted into the existing ponds, **an approved water right for storage is required** because .02 cfs cannot fill the existing ponds in 24 hours or less. To be exempt from the application process would require reducing the size of the ponds from approximately 2 acre-feet to .04 acre-feet or less. I have enclosed the necessary application for permit and instructions that must be filed. I have also enclosed

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MAR 1 1 2003

a list of consultants that you may want to contact for assistance in completing the application.

If you have any questions, please contact me at this office.

Sincerely,

Gary Spackman

Gary Spackman
Western Region Manager

Encl: heating computation sheet

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MAR 1 1 2003

RECEIVED
NOV 16 2001
WATER RESOURCES
WESTERN REGION

Wallace R. Connolly
4983 N. Brookside Lane
Boise, Idaho 83703

November 13, 2001

Steve Lester
Senior Water Rights Supervisor
State of Idaho
Department of Water Resources
2735 Airport Way
Boise, Idaho 83705-5082

Re: Permit #63-11505
Wallace R. Connolly

Dear Mr. Lester:

In reply to our recent telephone conversation we submit the following information. The information contained herein is Personal and Confidential and cannot be released to anyone other than the original homeowners that have access to the geothermal artesian well for heating use.

Lot #5: 4277 N. Brookside Lane, Boise, Idaho 83703 Wallace R.& EdaRae Connolly

The system had been installed and was very satisfactory for about eight years prior to the house and all records being destroyed by fire in February, 2000. The system consisted of 350 feet of two inch PVC piping installed in the sub-floor direct from the well and discharged into a hot tub and ornamental fish ponds. Also, a more sophisticated system including a thermostatically controlled coils was installed in the forced air furnace network. When the system is not in use a minimum flow of 3 gallons per minute is maintained to prevent the pipe from freezing and lower well seal-off. This is a radiant system.

The demolition of the fire destroyed residence should be completed sometime this year and a much larger personal residence and large separate detached shop and barn will be built in the near future. These will all be heated with various quality geothermal water systems. Water flow and conservation is controlled by 3/16 orifice and thermostats. The old structure had a very simple, yet most effective system. The penetration through the brick wall from the well to the home is still in evidence today as well as the geothermal heating coils in the forced air furnace system even though most of the structure was destroyed by the fire. Installation of the system was done by Connolly Construction Co.

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MAR 1 1 2002

939-2407

Lot 3 & 4: 2610 Connolly Lane, Boise, Idaho 83703 James & Janis Barsby (original owners)

Nat Gas heat per 11/27/01 telecon

Connolly Construction Co. contract consisted of delivery of geothermal water to the lot line from the well and the owner transported the water by pipe from that point. We had a 3/16 orifice with gravity flow. We did see the owner had a distribution system mounted in his garage consisting of furnace coils and radiant piping.

The owner built one large structure on each lot, each with geothermal heating systems with the used water discharged into a large ornamental pond of about ¼ acre. This is a radiant heat system with a 5foot trench delivery system. The steep sloping driveway has a sub-surface radiant heating system also.

939-4324

Lot 2: 2601 Connolly Lane, Boise, Idaho 83703 Ken and Debra Masoner (original owners)

Natural Gas heat per 11/23/01 telecon

Connolly Construction Co. contract consisted of delivery of geothermal water to the lot line from the well and the owner transported the water by pipe from that point. The owner had a carburetor system mounted in the basement in addition to radiant piping poured in the concrete slab. Gravity fed from the well; blue board 2 ½ insulation. U.S. Army Cold Water division wired from computer at well for 600 feet in a five foot trench. Connolly Construction Co. installed insulation, U.S. Army inspected and wired. This computer is currently mounted at well site on Lot #5.

Little Ln SKY BLUE WK- 125 E IDAHO, STE 203, 83712

Lot 1: ~~Old Pearl Road~~, Boise, Idaho 83703 ~~Ken & Pam Smith~~ (original owners - please note: this home has changed hands twice in the last 10 years)

Gas heat per telecon 11/28/01

Connolly Construction Co. had the full home and heat system contract. Consisting of 1,050 feet of 2 inch PVC pipe and 2 inch blue board insulation, full trench width, wired and computer monitored by U.S. Army Cold Water Division. Their large exterior computer system is installed at the well site on Lot #5. This was periodically monitored and they would drain off data. As the two inch pipe reaches the dwelling in a 5 foot trench it goes under the footings and stem walls to the furnace room and up to a full length, multi-sectioned copper coil installed in a forced air furnace. Simply take off the furnace face to inspect. All materials are commercial grade with first class installation. An exterior hot tub was also installed at a later date.

As we built this home, all records and details were lost in the fire. (Our office was in our home at that time).

All the records for the well and heating systems are over ten years old. We have made numerous requests for duplicates, without success. Should you require any additional information concerning the licensing of this well please advise.

Sincerely,

Wallace R. Connolly

Wallace R. Connolly

MICROFILMED
MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor
KARL J. DREHER
Director

November 26, 2001

James and Janis Barsby 939-2407
2610 Connolly Ln
Boise ID 83703

Re: Heating System

Dear Mr. And Mrs. Barsby:

In order to finalize paperwork regarding a permit filed by Wallace Connolly concerning a geothermal artesian well, Idaho Dept. of Water Resources needs to know if your home is currently heated with water from Mr. Connolly's well or from a different source such as electric or natural gas.

Please call me at 208-334-2190 with the above requested information. Thank you.

Sincerely,

Lori Graves
Sr. Water Resource Agent

Plumbed
Hot water not a comment

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

November 26, 2001

Dr. Sky Blue
125 E Idaho
Ste 203
Boise ID 83712

Re: Heating System

Dear Dr. Blue:

In order to finalize paperwork regarding a permit filed by Wallace Connolly concerning a geothermal artesian well, Idaho Dept. of Water Resources needs to know if your home is currently heated with water from Mr. Connolly's well or from a different source, such as electric or natural gas.

Please call me at 208-334-2190 with the above requested information as soon as possible. Thank you.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

November 26, 2001

Ken Masoner
2601 Connolly Ln
Boise ID 83703

Re: Heating System

Dear Mr. Masoner:

As a follow-up to our telephone conversation, the following letter was sent to your neighbors, Mr. Connolly and Dr. Blue.

In order to finalize paperwork regarding a permit filed by Wallace Connolly concerning a geothermal artesian well, Idaho Dept. of Water Resources needs to know if your home is currently heated with water from Mr. Connolly's well or from a different source, such as electric or natural gas.

Please call me at 208-334-2190 with the above requested information. Thank you.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

October 18, 2001

Wallace Connolly
4983 Brookside Ln
Boise ID 83703

Re: Permit 63-11505

Dear Mr. Connolly:

This letter serves as a reminder that the Department is waiting for information you agreed to send regarding the heating use listed on permit 63-11505. We are waiting for a detailed explanation for the extent of heating use developed from the geothermal artesian well for your home and also the names and addresses of the other home owners that have access to the geothermal artesian well for heating use.

Please submit the above requested information within 30 days from the date of this letter. If the information is not received by November 18, 2001, the full extent developed under the permit cannot be licensed. The resulting license would be insufficient when compared to the actual water use, leading to additional water right problems and possible enforcement actions required by Idaho law.

Please notify me at this office if you have any questions.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

August 24, 2001

Wallace Connolly
4983 Brookside Ln
Boise ID 83703

Re: Permit 63-11505

Dear Mr. Connolly:

Before Idaho Dept. of Water Resources (IDWR) can issue a license for permit no. 63-11505 for domestic and heating uses, a detailed description of the heat systems serving the five homes that use the geothermal artesian well as a heat source must be submitted. Please include documentation that the heat systems have been installed and are operating. This can include receipts, photos, installation records, etc.

Please submit the above requested information within 30 days from the date of this letter. If the information is not received by September 24, 2001, permit no. 63-11505 will be cancelled.

Please notify me at this office if you have any questions.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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MAR 1 1 2003

Form 219
6/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

RECEIVED
DEC 19 1995
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 63-11505

1. Owner: Eda Rae + Wallace R Connolly Phone No. 939-0441

Current Address: 4983 Brookside Ln Boise 83703

2. Accompanied by: Wallace EXAM DATE: 11/15/95

Address: same Phone No.

Relationship to Permit Holder: owner

3. Source: Ground water tributary to

B. OVERLAP REVIEW

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

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

C. DIVERSION AND DELIVERY SYSTEM

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

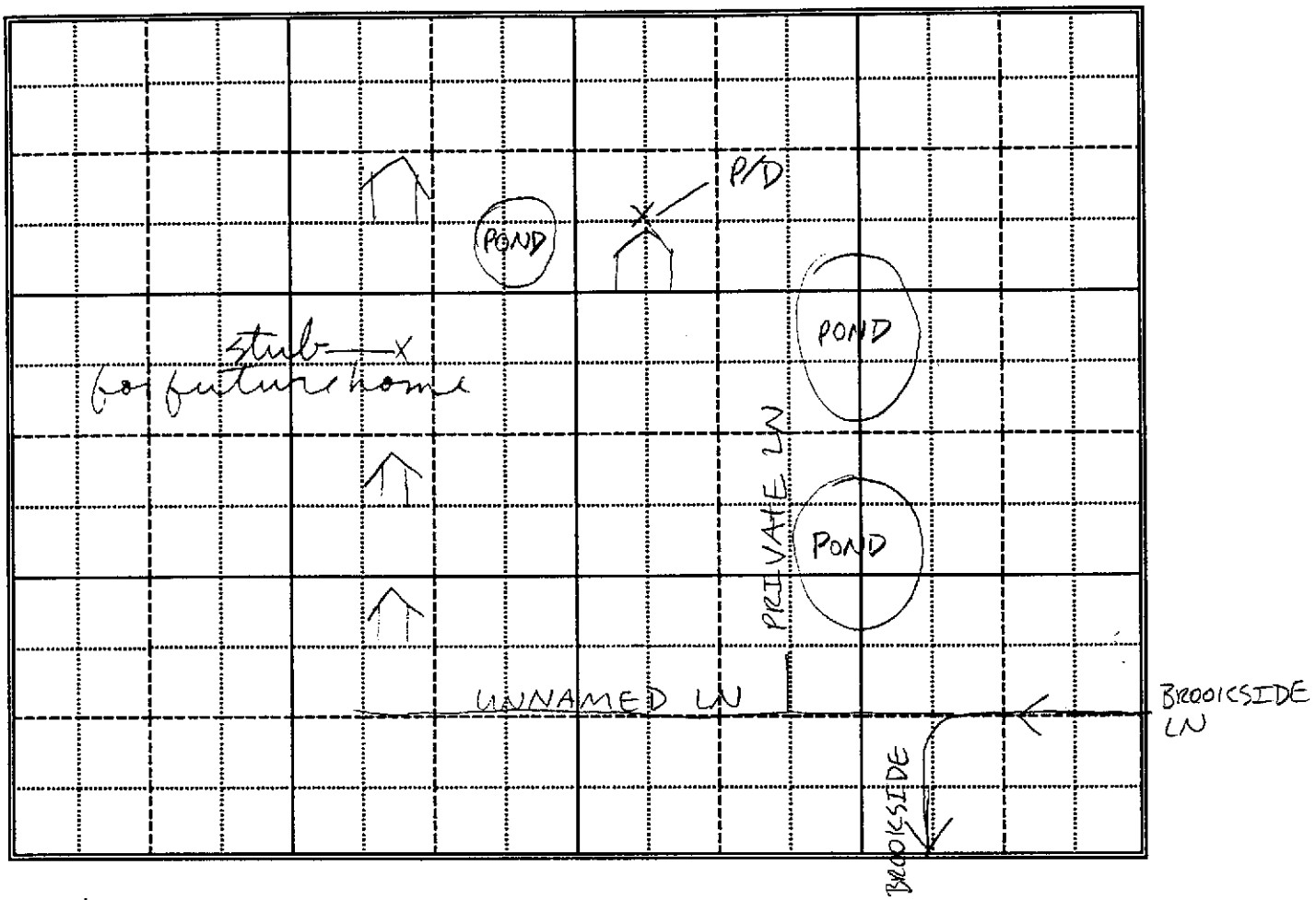
Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	NE	34	5N	1E	Ada	USGS Quad

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	
5N	1E	34			H														
					D														

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MAR 1 2 2003

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).

N/A 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
artesian		—			
130°					

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
250 Gal Trough						
stopwatch						

2. **Measurements:** 242.4 gal x 60 sec / 164 sec = 88.7 GPM = .20 cfs

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MAR 1 1 2003

E. NARRATIVE/REMARKS/COMMENTS

. A 10" artesian well supplies water to 4 existing homes for external/internal domestic use and heating. A 5th home is proposed and has been stubbed in. Three impoundments, less than 1 af, exist to catch the used well water. A previous IDWR investigation regarding the construction + use of these impoundments confirmed owner compliance. No other water rights are used.

The homes receive the artesian hot water via 2" buried line.

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

MICROFILMED
MAR 1 ? 2003

F. FLOW CALCULATIONS ____ Additional Computation Sheets Attached

Measured Method:

see attachment 2 : General Info Notes

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.}$ = (Acres Irrigated) x (Irrigation Requirement) = _____

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

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

2. Volume Calculations for Other Uses:

5 homes x 1.2 afa (ext/int) = 6 afa

see attached worksheet for heating requirements. (attachment 1)

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
Heating	10/1	5/1	.07	22.9
Domestic	1/1	12/31	.11	6
		Totals:	.18 cfs	28.9 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 ___ Other

I. AUTHENTICATION

Field Examiner's Name Lori Graaven Date 12/4/95

Reviewer _____ Date _____ SEAL

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MAR 14 2003

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

Drilling Permit No.: _____

Water Right No.: 63-11505

Owner: Connolly, Wallace Phone No.: 939-0441

Address: _____

1. Well Location: ___ ¼, SW ¼, NE ¼, Lot ___, Twp 5N, Rge 1E, Sec. 34, Ada County (provide sketch map on reverse)

2. Driller: Doty, Justice

Is driller licensed? X yes ___ no License No.: #042, #204

Date of Completion: 11-10-89

3. Casing size: 10" Surf Water tight cap? ___ yes ___ no

Casing ≥ 12 inches above ground? X yes ___ no

4. Evidence of well seal? ___ yes ___ no

___ visual Auger to a depth of _____

5. Access Port: ___ yes ___ no Static Water Level: _____

Pressure Gauge: ___ yes X no Temperature: 78.5°F LTG

Pressure: ?

6. Flowing Artesian? X yes ___ no

Flowing: ___ around annulus ___ through casing

7. Are there obvious construction problems that may be a source for contamination or waste of water? X yes ___ no

Remarks: 63-89-C-215 - Well is Leaking

Couldn't determine where - Small amount

RB Whitney 1-22-93

(Agent) (Inspection Date)

Form 238-I
04/92

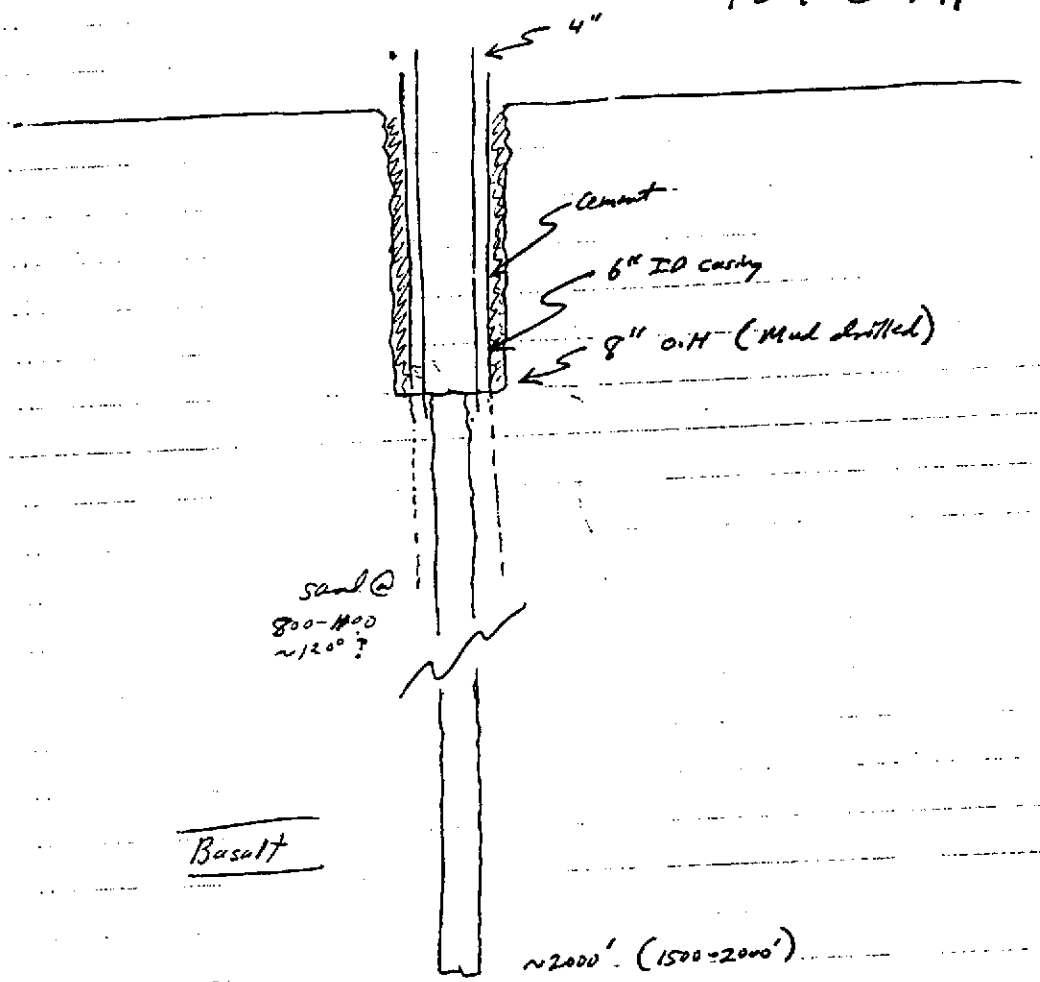
Doty
459-9627

MICROFILMED

MAR 1 1 2003

63-11505

Wally Connolly
939-0441



MICROFILMED
MAR 1 1 2003

ATTACHMENT #1

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: Lori Graves
Exam Date: 11/15/1995
File No: 63-11505
Computations for: HEATING

REQUIRED DATA:

Area of livable floor space, ft2 (A)	19800
2 story? (N=1, Y=2)	2
House efficiency factor (e) *	0.28
Inside design temperature (Ti)	70
Average outside temperature (To) **	4
Source temperature, degrees F (S)	130
Heating/cooling days per season (D)	212
Hours/day system operates (H)	18

****
* e values are as follows:
0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors
0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors
0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)
** Suggested average outside temperatures:

WINTER		SUMMER	
4 deg F	Boise	80 deg F	Boise
6 deg F	Grand View	90 deg F	Grand View
-8 deg F	Cascade	70 deg F	Cascade

****

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
Formula: E = [e x (Ti - To)] A
Applies factor of 0.8 for two-story dwelling

E = 292,723 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
Formula: Ts = 0.3 x [S - Ti]

Ts = 18 degrees F

FLOW RATE REQUIRED (at given source temperature)
Formula: Q = E/(500 x Ts) x 448.8

Q = 0.07 cfs

DIVERTED VOLUME OVER SEASON
Formula: Vdiv = Q x D x H/24 x 1.9835

Vdiv = 22.9 AFA

63-11505

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MAR 1 1 2003

Source temp: 130°

GENERAL INFO

ATTACHMENT #2

CONV DATE: 11/14/95

NAME: Wallace Connally

PHONE #: 939-0441/853-4551

PERMIT #: 63-11505

LOCATION OF WELL:

CASING SIZE: 10"

HP: free flowing artesian

DYNAMIC:
STATIC:
DEPTH: X

PSI: open

ACRES IRRIGATED: ½ /hm

SPRINKLER INFO:
TYPE:
SIZE:
LENGTH:
OPERATING:

STOCK:

DOMESTICS: 5

OTHER USES:

OTHER RTS USED:

DIRECTIONS:

1. 3200 □'
2. 6000 □'
3. 4000 □'
4. 3600 □'
5. 3000 □' covenance (not built yet) □' Requirement

3" line to house



used aluminum ~250 gal trough for timed fill

- fill depth: 1.95' in 2 min, 44 sec

r = Dia/2 = 2.3

A = πr² = 16.62

V = fill depth x A x 7.48 gal/cu'

= 1.95' x 16.62' x 7.48

= 242.4 Gallons

Timed fill: $\frac{242.4 \text{ gal} \times 60 \text{ sec}}{164 \text{ sec}}$

= 88.7 GPM

= .20 CFS

EXAM DATE: 11/15/95 10:00

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MAR 13 2003

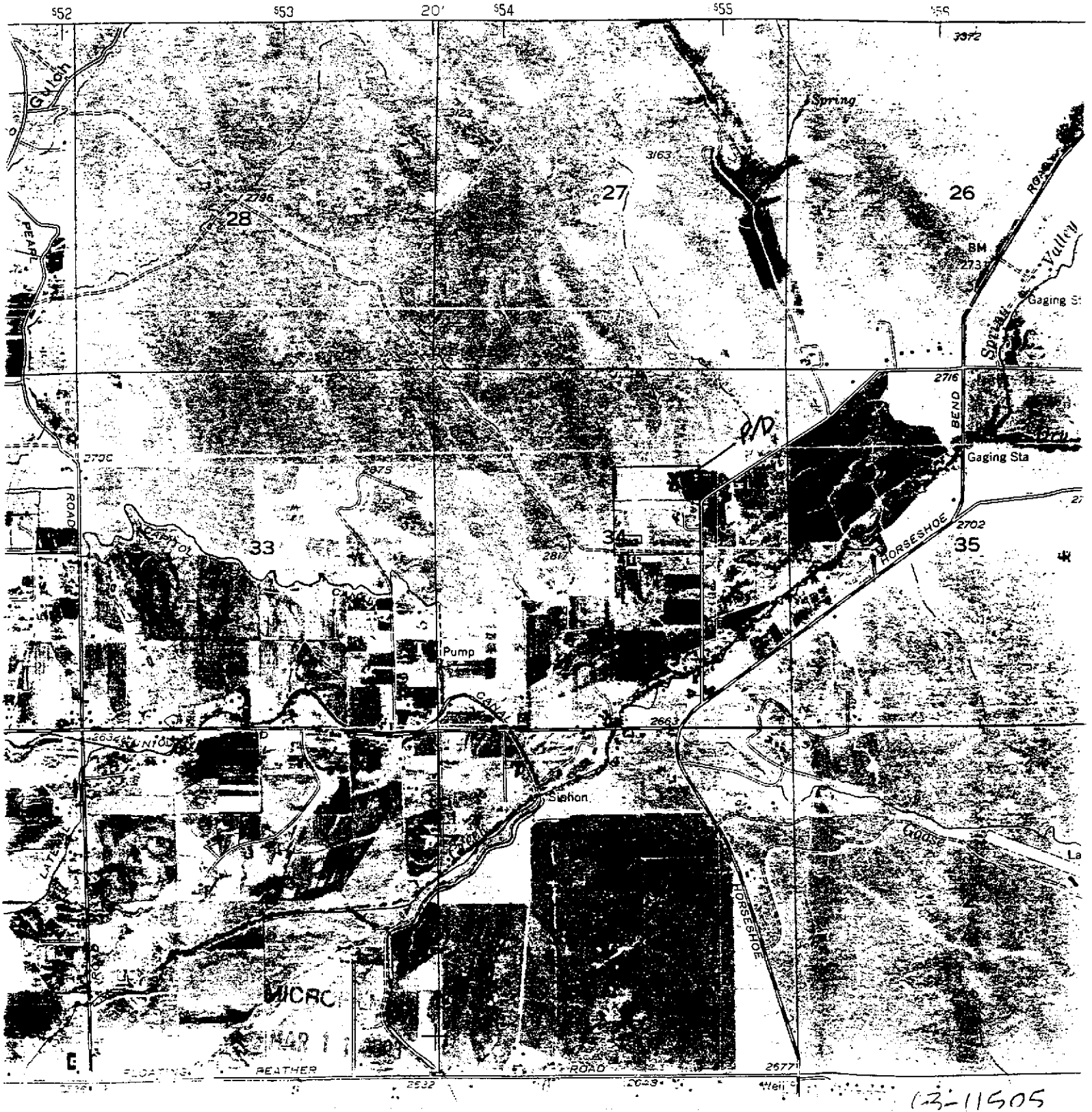
63-11505

R RESOURCES

RIOR

T5N
R1E
Sec 34
SWNE

No Bar
Us



C3-11505

* ROB WHITNEY CONDUCTED ANOTHER INVESTIGATION OF THE IMPOUNDMENTS THE DAY OF MY FIELD EXAM 11/15/95 & CONFIRMED THE APPLICANT WAS STILL IN COMPLIANCE. THE SITE CHECK WAS DUE TO A NEIGHBORS COMPLAINT. lg

H=710 or 50 AFB

1/19/93

Mr. MASON
4241 Brookside Dr.
Boise ID
939-6591

RE: Permit 63-11505

Alleging NO use is being made of water & water is being run into some type of excavation [illegible] 2 dams; one on either side of hill. Started filling one pond over weekend; other pond has been filled last fall - Oct. or Nov.

I told Mr. MASON I would investigate matter, Mason alleges work of illegal use on weekends & after 5:00 p.m.

potential violation

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MAR 1 1 2003

Form 238-7
6/89

RECEIVED
DEC 18 1989
Department of Water Resources

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 TYPEWRITER OR BALLPOINT PEN

RECEIVED
OCT - 9 1992
Department of Water Resources
Western Regional Office

1. WELL OWNER

Name Wallace R. Comany

Address 4983 Brookside Lane
Boise, Ida. 83702

Owner's Permit No. 63-89-2-213-001

2. NATURE OF WORK

#63-11505

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ 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 Core Drill

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other

Thickness	Diameter	From	To
_____ inches	10 inches +	1 feet	159 ? feet
_____ inches	6 inches	1 feet	1200 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 ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ 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 29 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.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____

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MAR 1 1 2003

County Ada

SW ¼ NE ¼ Sec. 34, T. 5 N N S, R. 1 E W

7. WATER LEVEL

Static water level 70 ? 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
Water	Came	To
12 Ft	of Surface	

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
4,5	1400	1540	gray Sand with Lite. A few hard stringers Lite sand stone.		

Department of Water Resources
Eastern District Office

10.

Work started 11-3-89 finished 11-10-89

11. DRILLERS CERTIFICATION

DL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Justice Drilling Firm No. 204
Address 1150 E. COTTICK RD Meridian, _____ Date 11-13-89
Signed by (Firm Official) Leonard Justice
and
(Operator) _____

63-11505

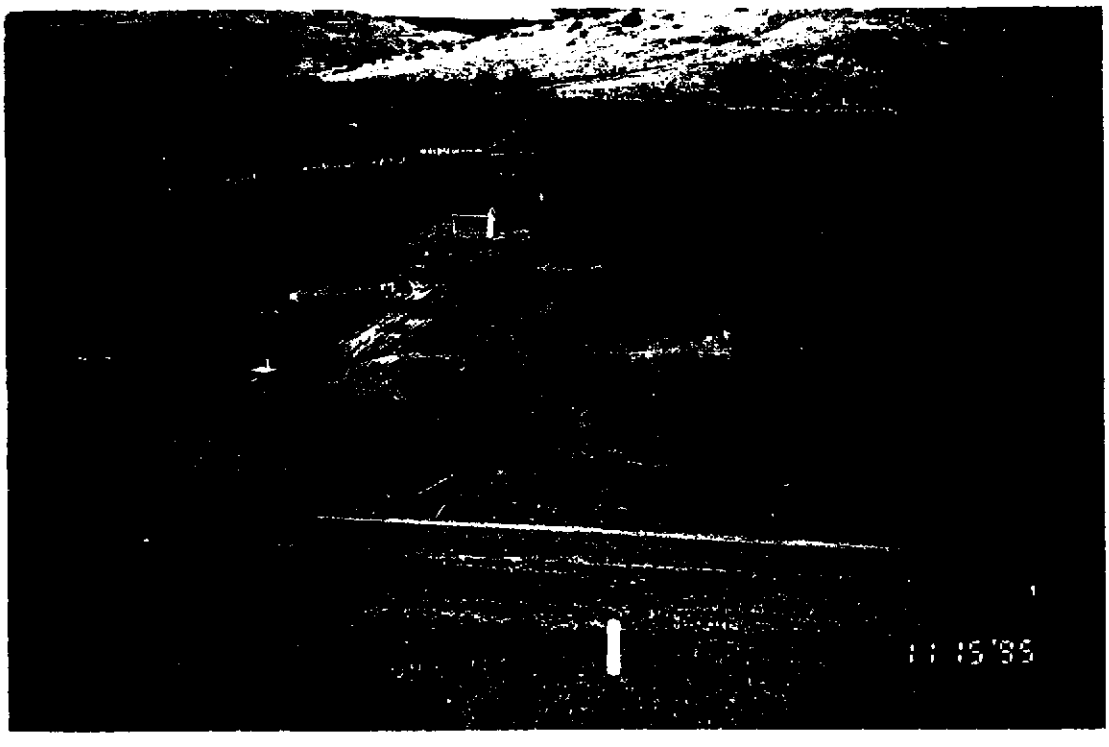
USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT



– P/U
1

– Impoundment
West of P/D

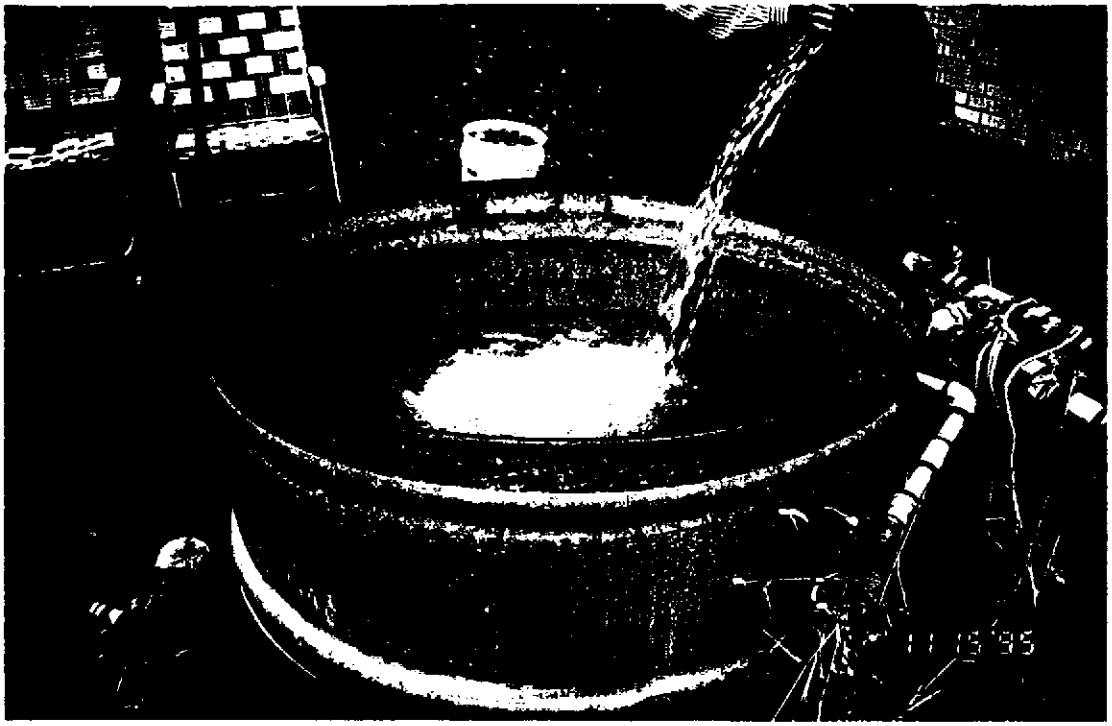




studied 1st

MICROFILMED
MAR 1 1 2003

63-11505



2" free flowing artesian well



P/u
P P/D

MICROFILMED
MAR 1 1 2003

13-11505



IMPOUNDMENTS EAST OF P/D



MICROFILM
MAR 1 1 2005

12-11-05

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

January 5, 1996

A.R. Mason
4241 Brookside Ln
Boise ID 83703

RE: Use of low temperature geothermal water by R. Wallace Connelly

Dear Mr. Mason:

In response to my visit, Lori Graves, an examiner for the Department of Water Resources, visited the property of Mr. Connelly on November 15, 1995, and examined his use of water. I have enclosed copies of the more important documents she prepared. At the same time, Robert Whitney of our office also visited the site to confirm whether Connelly had changed the system since his last visit to the site.

Rob found that Connelly had not significantly changed his system or operation since his visit in 1993. Rob felt that Mr. Connelly was operating his well within the allowable bounds of his water right permit.

If you have further questions, I suggest you contact Lori Graves or Rob Whitney at our Western Region Office at 334-2190.

Sincerely,

Gary Spackman

Gary Spackman

cc: Rob Whitney
Lori Graves

enclosure

MICROFILMED
MAR 1 1 2003

ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 63-11505 Reviewed by [illegible] Date 1-23-95

GENERAL CONSIDERATIONS

yes Name same as permit?
yes Address same as permit?
yes Proof timely received? Correct Uses? no
If not, complete calculation below.

TYPES OF USE

Dom, Stock, Irr.

SOURCE OF WATER

_____ Surface water source

✓ Ground water source — Diversion
yes Drilling permit required?
no Copy in the file? Drilling Permit No. 63-89-2-0215-001
200.00 Amount paid for permit yes Correct?
yes Well log in the file?

LICENSE EXAMINATION FEE

yes Required?
100.00 Amount Submitted
yes Correct?

MEASURING DEVICE

no Required?
yes Installed?
_____ Waiver requested?

PRIORITY CALCULATION

Date proof received _____
Date proof due _____ −
No. of days late _____ =
Priority Date _____ +
New Priority Date _____

DEFICIENCIES OR ACTION ITEMS

advise that permit only authorized a diversion of .22 cfs. for domestic & heating use. 25 acres irr. is not authorized. Proof acceptable

DATA ENTRY

New Address _____ Proof Made 1-18-95

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

January 25, 1995

EDA RAE CONNOLLY
WALLACE R CONNOLY
4983 BROOKSIDE LANE BOISE ID 83703

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 63-11505

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit.

Please be advised the your permit (copy enclosed) only authorizes a diversion of 0.22 cfs for heating and domestic use for five (5) homes. This water right does not authorize a diversion of water for irrigation of 25 acres as you stated on the proof.

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the WESTERN Regional Office in Boise, at (208)334-2190.

Sincerely,

Julie L. Yarbrough

JULIE L. YARBROUGH
Senior Secretary

c: IDWR - Region

RECEIVED
FEB 14 1995

November 30, 1994

EDA RAE CONNOLLY
WALLACE R CONNOLLY
4983 BROOKSIDE LANE
BOISE ID 83703

PROOF DUE NOTICE

RE: PERMIT NO. 63-11505

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before February 1, 1995. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

RECEIVED
FEB 14 1995

CERTIFIED MAIL
NO. 141836

Memorandum

To: Tim Luke
From: Rob Whitney
RE: Inspection of Connolly LT Geothermal Well #63-11505
Date: January 25, 1993

Pursuant to the complaint you received from Mr. Mason, I conducted a field inspection and contacted the well owner to determine the extent of use from the subject well. There are two small impoundment structures that are apparently being used to catch water from the well during additional development and also to supply stockwater under the permitted domestic use. These impoundments will ultimately catch water that has been used for heating of homes and for stock. It did not appear that Mr. Connolly was using water in excess of the permitted use. I discussed this with Mr. Connolly this date to verify these assumptions which seem to be correct. Additionally, attached is a field report, well inspection form and photos for your file.

RBW

RBW

Called Mr. Mason on 1-28-92
After he talked w/Tim Luke to
explain Mr. Connolly's activities. I gave him
my phone # and said to call if he needed
anymore info.
RW

RECEIVED
FEB 14 1995

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

Drilling Permit No.: _____

Water Right No.: 63-11505

Owner: Connolly, Wallace Phone No.: 939-0441

Address: _____

1. Well Location: ___ ¼, SW ¼, NE ¼, Lot ___, Twp 5N, Rge 1E, Sec. 34, Ada County (provide sketch map on reverse)

2. Driller: Doty, Justice

Is driller licensed? X yes ___ no License No.: #042, #204

Date of Completion: 11-10-89

3. Casing size: 10" Surf Water tight cap? ___ yes ___ no

Casing ≥ 12 inches above ground? X yes ___ no

4. Evidence of well seal? ___ yes ___ no

___ visual Auger to a depth of _____

5. Access Port: ___ yes ___ no Static Water Level: _____

Pressure Gauge: ___ yes X no Temperature: 78°F LTG

Pressure: ?

6. Flowing Artesian? X yes ___ no

Flowing: ___ around annulus ___ through casing

7. Are there obvious construction problems that may be a source for contamination or waste of water? X yes ___ no

Remarks: 63-89-C-215 - Well is Leaking Couldn't determine where - Small amount

RB Whitney (Agent) 1-22-93 (Inspection Date)

Form 238-I
04/92

Doty 459-9627

RECEIVED FEB 14 1995

File No. 63-11505

STATE OF IDAHO
Department of Water Resources

FIELD INSPECTION REPORT

1. Date: 1-22-93 Time: 11:30A Photos: X Yes ___ No

2. Inspection involves: X Water Rights ___ Dam Safety X Well Construction or Driller
___ Waste Well ___ Stream Channel Alteration ___ Water Distribution
X Other Geothermal LT

3. Reason for inspection: Complaint by A.R. Mason 939-6591

4. Stream name: N/A

5. Stream characteristics: N/A

6. Stream width: ___ Depth: ___ Gradient: ___ Q: ___ est. ___ meas. ___

7. Location: ___ 1/4 NE 1/4, Sec. 34, Twp. 5N, Rge. 1E, County Ada
Landmark: N of House

8. Person(s) contacted: Wallace Connolly 939-0441

9. Dam name: ___ Spilling: ___ No ___ Yes Q ___
Outlet open: ___ No ___ Yes Q ___ Spillway open: ___ Yes ___ Flbrd ___ Gate open
Freeboard: Spillway ___ Crest ___ Res. stage: ___ Rising ___ Falling ___ Rate

10. Area characteristics: ___

11. Weather conditions: ___

12. Describe activity/conditions inspected: Photos taken of Dams & well - Dams are less than 10Ft and hold less than 2ac/Ft RW

13. Are all requirements being met? ___ Yes
If not, check type violated: ___ Statutory ___ Rules & Regs ___ Permit

14. Describe impact on others: See Attached Memo 1-25-93 RW

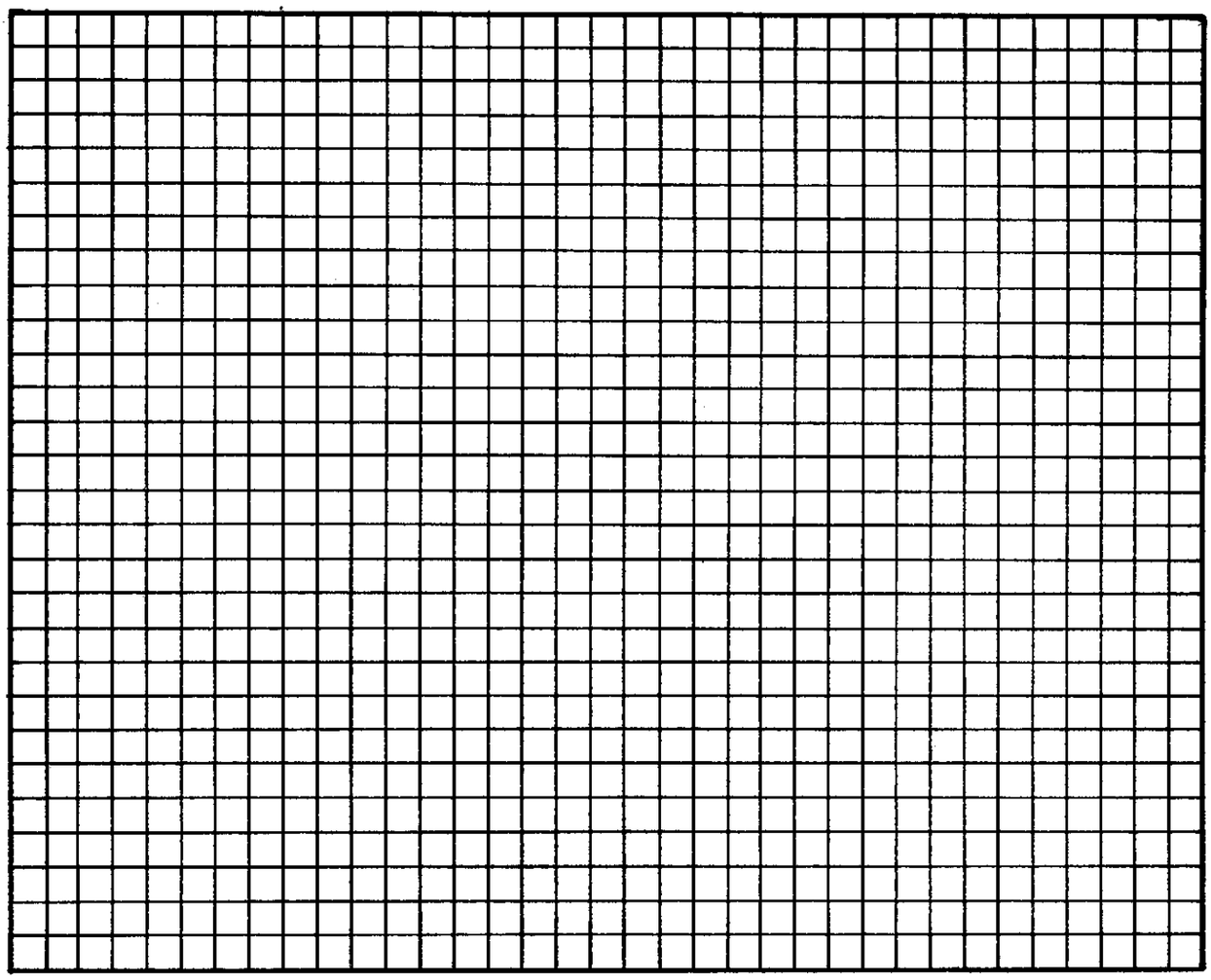
15. Describe alternatives: ___

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16. Remarks Mr Connolly Stated that the Small impoundments were being used to catch water used in developing the well and for watering stock.

17. Followup Necessary: ___ Yes ___ No Describe: _____

18. Sketch: Include direction, important dimensions, photo locations, landmark or reference point



19. Action taken at time of inspection: _____

20. Signed: R B Whitney

---

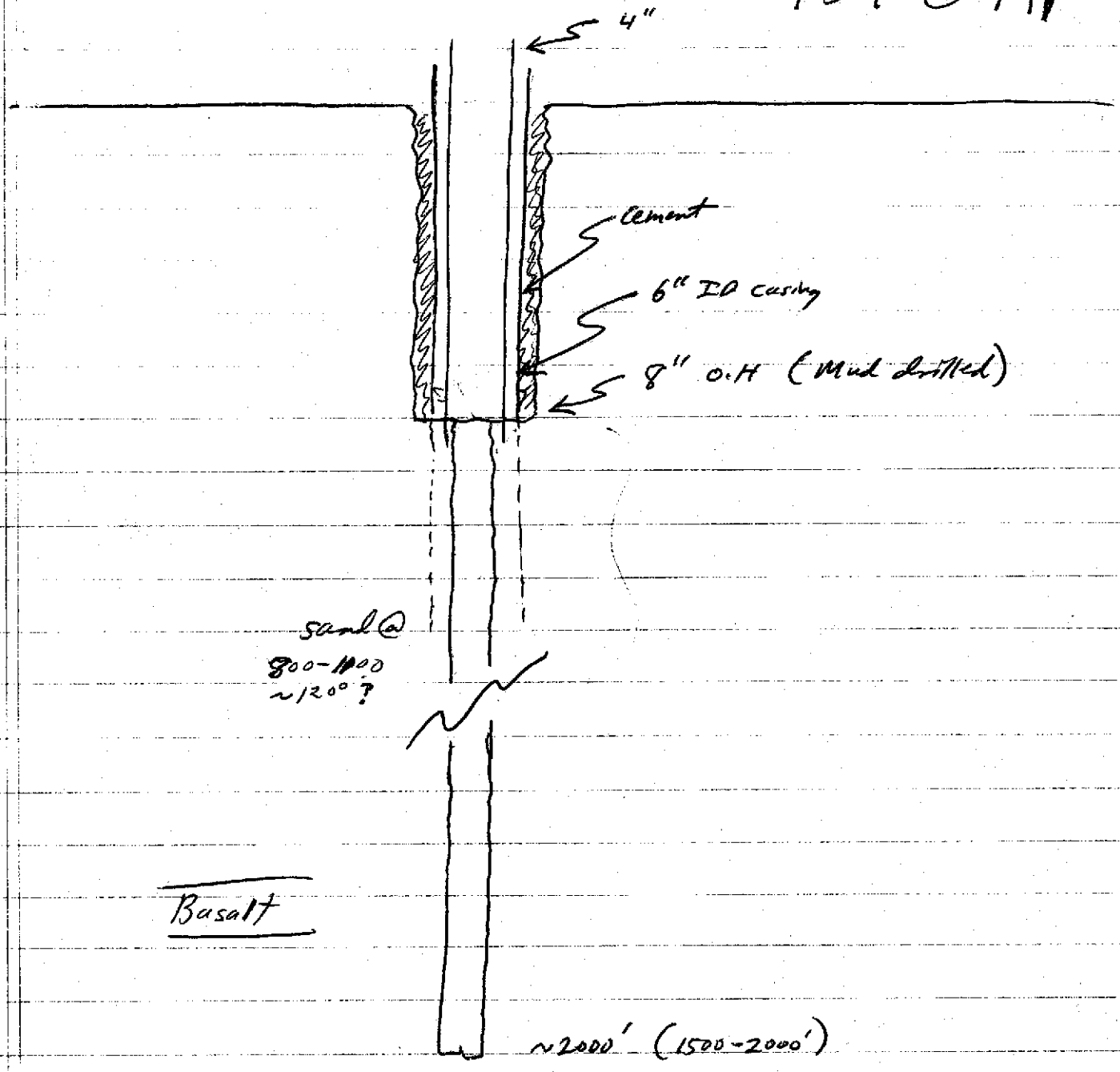
21. Follow up action: Date: _____ Additional Memo Prepared: ___ Yes ___ No

Describe: _____

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22. Signed: _____

Wally Connolly
939-0441



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FEB 14 1995

H= 10 or 50 AFT

1/19/93

A.R. MASON
4241 Brookside In.
Boise ID
939-6591

RE: Permit 63-11505

Alleging NO use is being made of water & water is being run into some type of excavation Dam or 2 dams; ONE on either side of hill. Started filling ONE POND over weekend; other POND has been filled last fall - Oct. or Nov.

& abandoned watering of livestock

I told Mr. MASON I would investigate matter. Mason alleges work of stuff use on weekends & after 5:00 p.m.

WATER RIGHT

FEB 14 1995

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11505

Proposed Priority: April 1, 1991 Maximum Diversion Rate: 0.22 CFS
This is to certify, that **EDA RAE CONNOLLY**
WALLACE R CONNOLLY
4983 BROOKSIDE LANE
BOISE ID 83703
has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE	PERIOD OF USE	RATE OF DIVERSION
HEATING	01/01 to 12/31	0.11 CFS
DOMESTIC	01/01 to 12/31	0.11 CFS
	Totals	0.22 CFS

LOCATION OF POINT(S) OF DIVERSION: SWNE , Sec. 34, Township 05N, Range 01E
ADA County

PLACE OF USE: HEATING

TWN	RGE	SEC	
05N	01E	27	SWSE
		34	SWNE

PLACE OF USE: DOMESTIC, same as HEATING use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **February 1, 1995.**
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. See attached Final Memorandum Decision and Order for conditions of approval.
5. Domestic use is for 5 homes.
6. Heating use is for 5 homes.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this
7th day of February, 1992.

L. Glen Saxton
for R. Keith Higginson, Director

FEB 14 1995

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MAR 06 1992

Form 238-7
6/89

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DEC 18 1989
Department of Water Resources

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 TYPEWRITER OR BALLPOINT PEN

1. WELL OWNER

Name Wallace R. Comalli

Address 4983 Brookside Lane
Boise, Ida. 83702

Owner's Permit No. 63-89-2-215-001 #63-11505

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ 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 Core Drill

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	10 inches +	1 feet	59 ? feet
_____ inches	6 inches	1 feet	1200 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 ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ 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 59 ? 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.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Ada
SW ¼ NE ¼ Sec. 34, T. 5 N ☑ S ☐, R. 1 E ☑ W ☐

7. WATER LEVEL

Static water level 70 ? 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
water	came to	
12 Ft	of surface	

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
4,5	1400	1540	gray Sand with shale. A few hard streaks Like Sand stone.		

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Department of Water Resources
Eastern District Office

10.

Work started 11-3-89 finished 11-10-89

11. DRILLERS CERTIFICATION

DL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Justice Drilling Firm No. 204
1150 E. OSTICK RD
Address Meridian, Date 11-13-89
Signed by (Firm Official) Leonard D. Justice
and
(Operator) _____

MINIMUM MET
FEB 14 1995

ROUTING SHEET FOR PROTESTED APPLICATIONS
WHICH REQUIRE A MEMORANDUM DECISION AND ORDER

Date	Activity
8/29/91	**HEARING HELD**
_____	**FILE RECEIVED AT STATE OFFICE** (Cindy) - Date stamp, label and add file to bar code system - Attach temporary file from protest drawer - Route to Brenda for general review
_____	**GENERAL APPLICATION REVIEW** (Brenda) - Create "P" file and edit per general review - Route file to Karen
12/12/91	**PREPARE PMD&O** (Karen & Hearing officer) - Log in for tracking through the decision process - Route file for review of the decision - Prepare order issuing PMD&O and certificate of mailing, route for signature and mail - Hold file for 15 days - for exceptions
1/29/92	**PREPARE FINAL ORDER** (Karen) - Prepare order adopting PMD&O as the final order or make needed changes to PMD&O and prepare final order - Route final order for signature
2/10/92	- Route to Brenda for final permit processing
2-11-92	**FINAL PERMIT PROCESSING** (Brenda) - Edit and condition "P" file per signed MDO - Update data base and prepare APPROPRIATE permit document (Use signature stamp on permit). - Drop "P" from temporary file - Route to Karen for final order processing
2/11/92	**PREPARE FINAL ORDER** (Karen) - Route to Karen for final order processing - Prepare cover letter and certif. of mailing - Mail the final MD&O - Send file to microfilm
MICROFILMED FEB 14 1995	**MICROFILM** - Film the file - Route file to vault
_____	**VAULT** - Remove out-cards from the protest drawer and hold drawer

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MAR 06 1992

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

February 11, 1992

Wallace R. and Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Re: In the Matter of Permit No. 63-11505 in the name of the Wallace R. and Eda Rae Connolly

Dear Permit Holder:

Enclosed is a copy of the Final Memorandum Decision and Order in reference to the above mentioned permit.

Any person who does not agree with the decision of the department may request a rehearing before the Director within 20 days, or may appeal directly to the district court within 30 days of the date the decision is mailed.

If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

L. Glen Saxton

L. GLEN SAXTON
Chief, Water Allocation Bureau

Enc: Final Order
Certificate of Mailing

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1992

APPLICATION FOR PERMIT REVIEW

Application #: 63-11505 Reviewer: Brenda L. Miller BB
Date: 02-10-92

✓Existing:
- ✓No - 26A-P17
  - Complete in 1 year - P16
- Yes
  - Proof not submitted - P16
  - Proof submitted - N/A

✓Groundwater:
- ✓GT. 0.2 cfs - 01G-P03, ~~01C-P03~~ per MD+O (existing well)
- LT. 0.2 cfs - N/A

✓Drilling Permit:
- Approved w/permit existing/already Approved - P99
- Not ✓included - 046-P23(All GW, even existing wells)

✓Location:
- ✓Water Districts - WD No. 63
  - Surface water - 005, 005-01H-P01(LT.2 w/pump)
    005-01J-P08(GT.2)
  - ✓Groundwater existing - P05
- Irrigation Districts - 023
- Canal Co. Areas - 023
- Drainage Districts - 024
- Boise Front (63) - 058 (Groundwater)
- ✓Swan Falls Flag - ____ (1, Blank or Other)
- Trust - 051-052-053-P74(Consumptive Uses)
- Non Trust - 048-049

River Basins:
- (Surface Water) Water District Control Condition &....
- Boise (63) - 05A & 11E
- Payette (65) - 047-P04, 059-P71
- Snake (01, 02 & 03) - 11A-P04(01), 061-P07(02/03 No W.D.Cond.)

Use:
- Fish Propagation - 06A, 09E-P10 & 010 (WQ/Choose One), 042(req.), 002-P06(MD), 07A(Spec.), 044(Policy 5G)
- Power - _____ Use Power Review
- Mining - 06A, 010, or 09E-P10 & 054(req.)
- Storage - 18A-for multiple measuring devices(In WD), 18B-P09(Size)
- Rec/Wildlf/Aes - 027(Non-Consumptive)
- Domestic - 021(restricted areas)

Ownership:
- Non land owner - 004

Protested:
- Agreement - 020

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MAR 0 6 1992

✓Beneficial Use Due Date: - 02-01-1995
✓Other Conditions Recommended per Final Memorandum Decision + Order

MEMORANDUM

To: File 63-11505

From: L. Glen Saxton LGS

RE: **EXCEPTIONS OF WALLACE R. CONNOLLY**

Date: January 27, 1992

A review of the water right file does not show that the applicant ever intended to heat more than 8,000 square feet. The 8,000 square foot number was based on the applicant's May 9, 1991 letter to the department. Exceptions to a proposed decision is not the proper forum to attempt to increase the number of square feet to be heated. Such a proposal in effect is a proposed amendment to the application, was not timely filed and should be considered only if presented in terms of a different application.

The exception to Finding 14 does not justify changes to the finding.

The exceptions certainly do NOT justify allowing the low temperature geothermal water to be used for irrigation. The applicant has not demonstrated that the Director should issue any exemption to Section 42-233, Idaho Code.

The proposed decision should be issued as the final decision.

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MAR 06 1992

MEMORANDUM

TO: Glen Saxton

FROM: Dave Tuthill

DATE: January 23, 1992

RE: Recomputation of Heating Requirement

Based on computation techniques established in Application Processing Administrator's Memorandum No. 23 dated May 9, 1984 entitled "Rate of Flow for Heating Use", the rate of flow required for heating of 8,000 square feet of space as originally proposed by Mr. Connolly was computed to be 0.022 cfs, which was rounded up to 0.03 cfs. If the space to be heated is increased to 18,400 square feet, the rate of flow required for heating purposes increases to .052 cfs, which should be rounded up to 0.06 cfs.

The original proposed memorandum decision proposed a heating rate of flow of 0.11 cfs, to account for unquantified transmission losses in distribution lines.

If our proposed decision is to be modified, I would suggest that we either (a) allow an increase in the square footage to 18,400 square feet but maintain the maximum diverted rate of flow at 0.11 cfs, thus requiring the transmission losses to be reduced, or (b) not allow an increase because the file showed only 8,000 square feet of space to be heated prior to the exception being submitted by Mr. Connolly.

With respect to the other changes proposed by Mr. Connolly, I support the original decision in this matter.

MICROFILMED

MAR 06 1992

11 January 1992

RECEIVED
JAN 13 1992
Department of Water Resources

4400 Brookside Ln.
Boise, Idaho 83703

Water Allocation Bureau
Department of Water Resources
1301 No. Orchard Street
Boise, Idaho 83706
ATTN: Mr. Glen Saxton

Dear Mr. Saxton:

We are writing this letter regarding the application for Permit #63-11505 in the name of Wallace R. and Eda Rae Connolly. We have received the notification that Mr. Connolly is asking for the amount of water to be granted to him for use in developing his houses to be upgraded to that which is nearly double the amount granted in the original proposal. We don't understand the need for the amount of water that he needs to be increased for use in these homes. We are skeptical as to his real intent for the use of this water since he has been known to use unscrupulous tactics in other business deals. We encourage your agency not to grant any further water to Mr. Connolly, and encourage you to stand by your original plan which was issued to him.

Sincerely,

Marvin & Joanne Lewis

Marvin & Joanne Lewis

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MAR 06 1992

3550 Brookside Lane
Boise, Idaho 83703
January 13, 1992

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JAN 15 1992
Department of Water Resources

Mr. L. Glen Saxton
Hearing Officer
Department of Water Resources
State of Idaho
1301 N. Orchard
Boise, Id. 83704

Dear Mr. Saxton:

In reference to Application for Water Permit No. 63-11505 by Wallace R. and Eda Rae Connolly and to your Memorandum Decision for your Approval In Part for that permit, we will go along with your decision as stated on pages 9 and 10 of your order dated December 12, 1991, as shown in our copy. (a copy was received by each protestant)

However, we hereby protest any change or variation in any and "Order" as shown in your Memorandum Decision, as requested in Mr. Connolly's letter dated to you December 24, 1991, for this same permit no. 63-11505. (a copy of his letter was also received by each protestant.)

a lot of time and money as well as your careful and conscientious interpretation of Idaho law went into your decision, and we do not believe Mr. Connolly's request should be approved for any changes in this decision.

Sincerely

Regal C. Compton
John W Compton

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MAR 06 1992

Water Allocation Bureau
Dept. of Water Resources
1301 N. Orchard St.
Boise, Idaho 83706

RECEIVED
JAN 13 1992
Department of Water Resources

Attn:Mr. Glenn Saxton Re: Permit No.63-11505

We are writing this letter in response to Mr. Connelly's request for more then double the amount of water that he originally applied for.

Mr. Connolly, his engineers and others have been speculating, promoting and planning a fish propagation business for years. I seriously doubt that the 8,000 square feet of water that he applied for was in error. I would suggest that the reason for more then doubling this water requestis for the purpose of initiating a commercial fish propagation program.

We are skeptical for the expansion noted at the #5 house. Could this be a subterfuge to devirt water to the fish pond, unnoticed and unmonitered?

The subject of Poinsetta White Fly was never discussed or considered but now it seems to be important. Since the tented row crops a more then a mile from this well and in another drain area, we would received no retdrn from the water devirted.

Since this water would be used for heating a home in the coler months, I see no reason to allow more water to be used year around.

We request your agency to stand by your original decision and not grant additional water with regards to this permit.

Sincerely.

M. Mason
4241 Brookside Lane
Boise, Idaho 83703

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MAR 06 1992

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JAN 13 1992
Department of Water Resources

Mr. L. Glen Saxton
Dept. of Water Resources
1301 N. Orchard St.
Boise, Idaho 83706

January 11, 1992

In concern to application for permit # 63-11505 by Wallace R. and Eda Rae Connolly.

Dear Mr. Saxton,

In response to a letter written you on December 24, 1991 by Mr. Wallace R. Connolly, I would like to state that I oppose any request made for further use of geothermal water than was authorized in your final report I received on December 13, 1991.

In all honesty, I do not quite understand the square footage per household error having any significance on this request unless Connolly Constuction will be building the future homes on this proposed acreage which is not stated and unknown information to me.

To the best of my knowledge I believe the amount of water authorized to be sufficient in heating the four new homes and the existing home of 3000 square feet.

I would like to help ensure that any future proposed usage of water taken to the north on Mr. Connolly's property and this proposed property be carefully scrutinized and cautiously authorized whether it is geothermal or cold water irrigation purposes.

Thankyou.

Sincerely,

Sandra Schubert

Sandra Schubert
4201 Brookside Lane
Boise, Idaho 83703

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JAN 13 1992
Department of Water Resources

January 10, 1992

Mr. Glen Saxton
Department of Water Resources
1301 N. Orchard Street
Boise, Idaho 93706

Re: Permit Application No. 63-11505/Wallace R. Connolly
Re: Hearing held on above August 20, 1991
Re: Your correspondence of 12-12-91 stating the Department of Water Resources conclusions on this permit application

Dear Mr. Saxton:

We write this letter to thank you for your expertise in handling the above referenced application, taking into view the hesitations area neighbors have on this proposed development.

It is our belief that you have provided all parties concerned with a realistic compromise and one we can live with.

We hope your conclusions will stand, irregardless of Mr. Connolly's now quoted misrepresentations of home square footages (or second thoughts on the matter) as set forth in his letter of 12-24-91.

Again, I think you have done an excellent job on the determination of the issue at hand.

Sincerely,

Joyce E. Jackson

Joyce E. Jackson for Joyce & Milan Jackson

3953 Brookside Lane
Boise, ID 83703

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MAR 06 1992

RECEIVED
JAN 13 1992
Department of Water Resources

5005 Brookside Lane
Boise, Idaho 83703
January 9, 1992

Re: Permit No. 63-11505
Wallace R & Eda Rae Connolly

RECEIVED
JAN 14 1992
Department of Water Resources
Western Regional Office

Mr L Glen Saxton, Hearing Officer
Department Of Water Resources
State Of Idaho
1301 N Orchard
Boise, Idaho 83706

Dear Mr Saxton:

We protest the uses of this hot water well, requested by Wallace R Connolly and Eda Rae Connolly.

Mr Connolly originally requested 2.22 cfs of this water for house heating, plus an additional 0.03 cfs for transmission of heat loss for a total of 2.25 cfs. You, Mr Saxton informed him that only 0.11 cfs would be needed, which would include the transmission of heat loss for the 8,000 sq ft of total housing.

Your applicant now states that it was an error and changed the sq ft of each house for a new total of 18,400 sq ft. Could it be that this additional 2.14 cfs of hot water is wanted for an extra large main line, so that he can tap off it to run a branch underground line over the hill to farm or raise fish?

I am not a hydrologist but I have had geology in college. As I am not familiar with the applicants well, I have the following questions:

1) How long has the 500 gpm free flowing well been tested?

2) Some hot wells have quite an odor; what about this well?

3) I would like to know, who is responsible for the water after it is used?

4) What if this hot water when being used reduces the gpm of existing surrounding wells?

5) Who is responsible if this hot water contaminates the existing neighbors domestic wells?

6) Who is responsible if the used hot water creates swampy ground on neighbors property?

Mr Saxton, to allow 0.8 cfs or 40 inches of this hot water for farming would cause new problems. I have every right to assume that Mr Connolly's farming would eventually be a fish and/or shrimp operation with slaughter house, a processing plant and shipping facilities. Then, of course, stench, flies, mosquitos, other insects and seepage would result from the fish waste and bloody water. Mr Connolly tried this once before by claiming it was not a high density commercial business but instead it was farming, which is no different than raising of potatoes or alfalfa. Mr Connolly barely got started and was denied his application by the Ada County Commissioners in 1984.

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MAR 06 1992

Your applicant also asked for the right to use this hot well water just to raise fish for a hobby. He already has a hot water well and fish ponds just over the fence, north of the Rose Neal property. He also has another hot well near his house that he has used for swimming pool water, and for raising fish and row crops.

Mr Saxton, we again urge that you deny Mr Wallace R Connolly the use of this well for any kind of farming and/or of the raising of fish or shrimp. We oppose the use of this water for house heating unless it can be proven that this water will not adversely effect the neighbors, their property or their domestic wells.

Sincerely,

Gustave A. Weisshaupt

Helen Weisshaupt

Gustave A & Helen Weisshaupt

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MAR 06 1992

Connolly Construction Co. General Contractors

[illegible] Lane • Boise, Idaho 83703 • Telephone (208) 939-2394

RECEIVED
DEC 26 1991
Department of Water Resources

December 24, 1991

RE: Permit No. 63-11505

Dear Mr. Saxton;

We provide the following information for your consideration.

EXCEPTIONS

#12 FINDINGS OF FACT:
9 CONCLUSIONS OF LAW:

We reported the number of square feet of households in error at 8,000 sq. ft. The actual square footage will be 18,400 sq. ft.

Lot #5,	Existing house at	3,000 sq. ft.,
	plus expansion	2,000 sq. ft.
Lot #4,	House at	4,000 sq. ft.
Lot #3,	House at	3,600 sq. ft.
Lot #2,	House at	2,800 sq. ft.
Lot #1,	House at	3,000 sq. ft.
	Total	18,400 sq. Ft.

The CFS for heating should be recalculated.

#14 The growing season is extended 6 weeks in the Spring and 6 weeks in the Fall; and this type farming was referred to in the Hearing Record. Crop value is doubled. This is accomplished by tenting-in row crops.

Please refer to the attached Statesman Newspaper article as to this type of farming being in the public interest. We have tented-in all of the crops referred to plus more. The Poinsetta White Fly's Life Cycle is interrupted by Idaho winters; not so in milder climes. 7 to 8 months growing seasons are required for some of these crops.

5 CONCLUSIONS OF LAW

Wildlife Resources are greatly expanded by introduction of water [illegible] an oasis in the desert.

RECEIVED
MAR 06 1992

ANALYSIS

Page 8, Par. 6. Page 9, Par. 1.--If we are to irrigate that 40.

You are proposing we take an untapped cold water source to the ~~north~~ for irrigation purposed.

This is what the protestants were concerned about.

Connolly Construction Co. General Contractors
4277 Brookside Lane • Boise, Idaho 83703 • Telephone (208) 939-2394

Even though the protestants evaluation as to the quantity of cold water is wrong as per the Hydrologist's Report, we would be better off to re-charge upslope with the geothermal to relieve their fears.

It appears we have met the 3 exemption criterion on pages 8 & 9, to allow 0.80 CFS for irrigation purposes. This is not a great deal of irrigation water. However, evaporation is greatly reduced by tenting, making it feasible.

In summary, you have done an excellent job in grasping the rhythm of this situation and we thank you for your efforts.

Sincerely yours,

Wallace R. Connolly

Wallace R. Connolly

WRC/erc
Encl.

CC TO FOLLOWING PROTESTANTS

John & Pearl Compton
3550 Brookside Lane
Boise, Id 83703

W. Scott Neal
4401 Brookside Lane
Boise, Id 83703

A. R. Mason
4241 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, Id 83703

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MAR 06 1992

New whitefly devastates California melon crops

EL CENTRO, Calif. — In 30 years of farming the Imperial Valley, Ben C. Abatti and his brother Tony have fought every kind of natural and economic foe, but nothing like the poinsettia sweetpotato whitefly.

Abatti has just finished plowing under his entire melon crop, turned into shriveled, rotted fruits by the tiny but voracious creature.

And, farm experts say, the misfortune for farmers like Abatti soon will translate into shortages and higher prices in markets as far away as New York for the Thanksgiving and Christmas holidays.

Already, farmers have plowed under about 95 percent of the fall crop of cantaloupes and honeydew melons in Southern California and adjoining areas of western Arizona and northern Mexico. The region supplies the vast bulk of produce to the nation in the winter months.

The winter crop of lettuce, broccoli, cauliflower and other vegetables may also be devastated.

> **"This is the first time we've seen a pest that will eat just about anything."**
> **Richard C. Weddle,** Entomologist

"This is the first time we've seen a pest that will eat just about anything," said Richard C. Weddle, an entomologist with the Imperial County Agricultural Commission. "This is a first rate natural disaster."

The culprit is a potent new strain of the sweetpotato whitefly, an old foe of farmers. The new strain has been dubbed the poinsettia because it first appeared on poinsettia plants in Florida in 1986.

It lays about twice as many eggs as earlier strains and eats five times as much, said Thomas M. Perring, entomology professor, University of California, Riverside.

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CONVERSATION MEMORANDUM

DATE 11/25/91

FILE Connolly-63-11505

NAME OF PARTY Veterans Hospital - Dennis Johnson

EMPLOYEE Dave Tuthill

RE: Use of Geothermal Water

400,000 sq ft heated - fully heated by geothermal water

Typically used - about 1.25 cfs

Temp of water from ground ≈ 160°F

15 - 20°F extracted before water is reinjected

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TWP	RNG	SECT	TRACT 1\4	TRACT 1\4	LOT	ACRES	WATER-USE-CODE	WATER RIGHT NO.	LAST NAME	O C	STG	PRIORITY DATE	WATER SOURCE
05N	01E	33	SW	NW			01,16	63-11123	GRANDEN	C	P	01/31/1990	GROUNDWATER
									CIMINO	C			
			SE	NW		40.0	01,16	63-11123	GRANDEN	C	P	01/31/1990	GROUNDWATER
									CIMINO	C			
			NE	SW		40.0	01,16	63-11123	GRANDEN	C	P	01/31/1990	GROUNDWATER
									CIMINO	C			
			NW	SW		40.0	01,16	63-11123	GRANDEN	C	P	01/31/1990	GROUNDWATER
									CIMINO	C			
			SW	SW		4.0	01	63-08451	THORNTON	C	L	03/05/1977	WASTE WATER
			SE	SW		3.0	01	63-02406	DRAINAGE DISTRICT	C	L	07/05/1965	WASTE WATER
			NE	SE		4.0	01,43	63-09876	JOHNSON	C	L	11/25/1981	GROUNDWATER
			NW	SE		25.0	01	63-07550	THOMPSON	C	L	01/31/1972	GROUNDWATER
			NW	SE		6.1	01,43,04	63-10419	PALMER	C	L	08/07/1987	GROUNDWATER
			SW	SE		7.0	01	63-02406	DRAINAGE DISTRICT	C	L	07/05/1965	WASTE WATER
			SW	SE		15.0	01	63-07550	THOMPSON	C	L	01/31/1972	GROUNDWATER
			SE	SE			43	63-04392	FOSTER	C	S	12/01/1975	GROUNDWATER
									FOSTER	C			
			SE	SE			43	63-04974	CROSSLEY	C	S	01/01/1894	GROUNDWATER
			SE	SE		5.0	01,43	63-11251	LYONS	C	P	03/15/1990	GROUNDWATER
		34	NE	NE		4.0	01,43	63-04547	NEAL	C	S	06/01/1956	GROUNDWATER
			SW	NE		20.0	01,19,43,22	63-11505	CONNOLLY	C	A	04/01/1991	GROUNDWATER
									CONNOLLY	C			
			SE	NE		31.0	01	63-09918	CAMERON	C	L	06/08/1982	GROUNDWATER
			SE	NE		1.0	01	63-11063	LEWIS	C	P	11/16/1989	GROUNDWATER
									LEWIS	C			
			NE	SW		10.0	01,43	63-02963	ANDREGG	C	L	10/26/1953	GROUNDWATER
			SE	SW		40.0	01,43	63-02284	ANDREGG	O	L	03/25/1916	DRY CREEK
									ROARK	O			
									HANSON	C			
			SE	SW		40.0	01,43	63-02963	ANDREGG	C	L	10/26/1953	GROUNDWATER
			NE	SE		5.0	01	63-04219	STILLWELL	C	S	06/01/1910	DRY CREEK
									STILLWELL	C			
			NE	SE		40.0	01	63-04247	TOMKINSON	C	S	06/01/1916	DRY CREEK
									TOMKINSON	C			
			NE	SE		4.0	01,04,43	63-07163	TOMKINSON	C	L	11/05/1968	GROUNDWATER
									TOMKINSON	C			
			NE	SE		4.0	01,43	63-07760	COMPTON	C	P	06/30/1989	GROUNDWATER
									COMPTON	C			
			NW	SE		4.0	01	63-10893	PURVIS	C	P	08/14/1989	GROUNDWATER
									PURVIS	C			
			SW	SE		40.0	01	63-04220	STILLWELL	C	S	06/01/1916	DRY CREEK
									STILLWELL	C			
			SW	SE		4.0	01	63-11029	MARKLE	C	P	08/15/1989	GROUNDWATER
			SE	SE		4.0	01	63-04219	STILLWELL	C	S	06/01/1910	DRY CREEK
									STILLWELL	C			
			SE	SE		9.0	01,04,43	63-10384	KELLY	C	P	09/25/1986	GROUNDWATER
			SE	SE		3.0	01	63-10858	HUFF	C	P	07/31/1989	GROUNDWATER
									HUFF	C			
		35	NE	NE		20.0	01,43	63-02535	PAINE	C	L	08/24/1937	GROUNDWATER
			NE	NE		40.0	01,04	63-04023	JEKER	C	S	07/01/1927	GROUNDWATER
			NE	NE		15.0	01	63-04086	JEKER	C	S	07/20/1960	GROUNDWATER
			NE	NE		15.0	01	63-07123	JEKER	C	L	07/11/1968	GROUNDWATER
			NW	NE		10.0	01,43	63-02535	PAINE	C	L	08/24/1937	GROUNDWATER

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TWP	RNG	SECT	TRACT 1\4	TRACT 1\4	LOT	ACRES	WATER-USE-CODE	WATER RIGHT NO.	LAST NAME	O C	STG	PRIORITY DATE	WATER SOURCE
05N	01E	26	SW	SW		3.0	01	63-04791	O KELLY	C	S	04/01/1940	GROUNDWATER
									O KELLY	C			
			SW	SW		1.0	01	63-09295	CONNOLLY	C	L	12/06/1979	GROUNDWATER
									CONNOLLY	C			
			NE	SE		27.0	01	63-03429	STADLER	C	L	09/02/1964	GROUNDWATER
			NW	SE		17.0	01	63-03429	STADLER	C	L	09/02/1964	GROUNDWATER
			SW	SE		30.0	01,43	63-03428	STADLER	C	L	09/02/1964	GROUNDWATER
			SE	SE		5.0	01,43	63-03428	STADLER	C	L	09/02/1964	GROUNDWATER
			SE	SE		1.0	01,04,43	63-09376	DRAKE	C	L	05/08/1980	GROUNDWATER
									DRAKE	C			
		27	NE	NE		21.0	01	63-09295	CONNOLLY	C	L	12/06/1979	GROUNDWATER
									CONNOLLY	C			
			NW	NE		6.0	01	63-09295	CONNOLLY	C	L	12/06/1979	GROUNDWATER
									CONNOLLY	C			
			NW	NE			10	63-09971	CONNOLLY	C	P	01/17/1983	GROUNDWATER
									CONNOLLY	C			
			SW	NE		1.0	01	63-09295	CONNOLLY	C	L	12/06/1979	GROUNDWATER
									CONNOLLY	C			
			SW	NE			10	63-09971	CONNOLLY	C	P	01/17/1983	GROUNDWATER
									CONNOLLY	C			
			SE	NE		27.0	01	63-09295	CONNOLLY	C	L	12/06/1979	GROUNDWATER
									CONNOLLY	C			
			NE	SE		15.0	01	63-09295	CONNOLLY	C	L	12/06/1979	GROUNDWATER
									CONNOLLY	C			
			NE	SE			10	63-09971	CONNOLLY	C	P	01/17/1983	GROUNDWATER
									CONNOLLY	C			
			SW	SE		20.0	01,19,43,22	63-11505	CONNOLLY	C	A	04/01/1991	GROUNDWATER
									CONNOLLY	C			
			SE	SE		2.0	01	63-09295	CONNOLLY	C	L	12/06/1979	GROUNDWATER
									CONNOLLY	C			
			SE	SE		20.0	01	63-09327	CONNOLLY, JR.	C	L	12/31/1979	GROUNDWATER
			SE	SE			19	63-10018	CONNOLLY, JR.	C	L	04/14/1983	GROUNDWATER
									CONNOLLY	P			
									CONNOLLY	P			
		28	SW	SW		40.0	01,04,43	63-10052	BASABE	O	P	05/26/1983	GROUNDWATER
									BASABE	C			
									BASABE	C			
			SE	SW		40.0	01,04,43	63-10052	BASABE	O	P	05/26/1983	GROUNDWATER
									BASABE	C			
									BASABE	C			
		29	NW	NE			43	63-07535	RAMSAY	C	L	02/02/1972	GROUNDWATER
									RAMSAY	C			
			SE	NE		10.0	01	63-03483	STILLWELL, JR.	C	L	01/07/1966	GROUNDWATER
									STILLWELL	C			
			NE	SW		10.0	01,43	63-03016	STILLWELL, JR.	C	L	01/03/1955	GROUNDWATER
			NW	SW		15.0	01,43	63-03016	STILLWELL, JR.	C	L	01/03/1955	GROUNDWATER
			NW	SW		5.0	01,43	63-10948	DAVIS III	C	P	09/01/1989	GROUNDWATER
									DAVIS	C			
			SW	SW		40.0	01,43	63-03016	STILLWELL, JR.	C	L	01/03/1955	GROUNDWATER
			SE	SW		40.0	01,43	63-03016	STILLWELL, JR.	C	L	01/03/1955	GROUNDWATER
			SE	SW		23.0	01	63-03483	STILLWELL, JR.	C	L	01/07/1966	GROUNDWATER
									STILLWELL	C			

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CONVERSATION MEMORANDUM

DATE 9/26/91

FILE 63-11505

NAME OF PARTY Helen Weisshaupt

EMPLOYEE J Westra, Weston.

RE: Application 63-11505 Protest - Wallace R. Connolly

Mrs. Weisshaupt indicated several signs had been placed in the development area advertizing "hot water" with the lots being sold in the developement. She questions this as the water right application protest has not been resolved. I felt this was a business practice concern, and told her this was not under the Departments jurisdiction. I suggested she call the Better Business Bureau to inform them of the situation.

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RECEIVED
SEP 09 1991
Department of Water Resources

September 04, 1991

RECEIVED
SEP 11 1991
Department of Water Resources
Western Regional Office

Mr. Glen Saxton
Department of Water Resources
1301 N. Orchard Street
Boise, Idaho 83706

Re: Permit Application No. 63-11505/Wallace R. Connolly
Re: Hearing held on the above August 29, 1991
Re: A & B Engineering hydrology report dated 04-09-91

Dear Mr. Saxton:

Regarding this Dry Creek Area Groundwater Hudrology Report, I offer the following comments:

1) One must recall, on reading the analysis, who summoned this report and paid for same.

2) Attachments, as in the photocopies of the pictures, were unclear, and most seemed meaningless; and well driller reports for the most part were outdated and some not even in the immediate area.

In sum and substance, I feel this report is just one man's opinion of the situation, and that if one went to six different "experts", each would have something different to project:

Sincerely,

Joyce E. Jackson

Joyce E. Jackson for Joyce & Milan Jackson

3953 Brookside Lane
Boise, ID 83703

cc: Wallace Connolly

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Hearing for Connolly, 68-11505
8/29/1991 State Office 1:30 pm
Hearing Officer: L. Glen Saxton Notes by: D. Tuthill

Applicant Wally Connolly present & represented by Alan Kofoed

Protestants Present:

W. Scott Neal
Pearl Compton
A. R. Mason
Joanne Lewis - Letter in file (Not present at hearing)
Sandra Schubert
Gustave & Helen Weisshaupt
+ Steve Pervis (Not a formal protestant)
+ Grace Anderson

] Attorney for applicant objects to these parties becoming protestants

Objections - Issues

1. Proposed diversion will interfere
2. Supply is insufficient for proposed use
3. Delay or speculation
4. Finances
5. Conflict w/ local public interest
6. Contrary to conservation of water in State

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Hearing Process:

Wallace Connolly
- owns 650 ac - free & clear
- Commercial contractor
- bonded for $2.5 mil presently - Sole proprietorship
- This is the only water right in the area in a Glenns Ferry fault
- Study of hydrogeology in the area:
  1. Punched holes looking for water
  2. Mining co provided seismic info
  3. Water is up to 140°F - high/low chemicals
     Boise Front Flouride : 450 ppm
     This well : 4 ppm
- Pump tests - geothermal wells - 5,000-6000 gpm
- Water applied via this system will increase supply for cold water aquifer
- Doesn't know of anyone who has had to deepen wells
- New domestic wells are continuing to be drilled.

Production well:
16" to depth } bentonite between casings
12" casing }
6" casing } between casings - pure cement with no sand
1556' deep } final production well site
≈ $150,000 spent
Well free-flows at about 500 gpm
Water supply appears to be sufficient

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* Ask Mark Slifka about differentiation between aquifers / is this water part of the Boise Front GWM Area

Applicant (cont.)

Wants to apply water to b/u

Well is drilled & approved by IDWR

Applicant owns 4000 sq ft house with hot tub & swimming pool.

Offers to provide financial statement if needed.

95% of cost has already been spent.

Will not conflict with local public interest.

Presently no plans to engage in aquaculture as a business. — this is not planned presently. No slaughter house is intended.

* Only hobby use of fish prop water is intended.

(Should 2.22 cfs be allowed for hobby use?)

Is this consistent with with conservation of water resources within the state?

Q - Is 2.22 cfs needed for fish prop use? Will try to use 500gpm

We might be able to siphon the well & double the production.

Q: " " " " " Heating use?

No new fish ponds are intended.

Q: One requirement of geothermal water use is that water be used first and primarily for heating use.

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Note: It appears that two aquifers do exist.

What is the purpose? To farm in an area that is not presently farmed

"It's too bad that the water is hot".

"In the fish business marketing is a big problem." "I don't intend to go commercia

4/5

X exam

Q Is the water used for heat?

A: Not presently - this is planned.

"We feel that we are part of the Payette system."

Potential Requirement:

Only that water which is beneficially used for heating purposes shall be allowed to be used for irr purposes.

Well drilled in 1967, deepened in 1989 to present depth

- No plans to deepen this well or drill other wells.
- No existing water rts from this well.
- 500 gpm measured 1 year ago, 55 gal barrel, stop watch
- Slightly less pressure in late fall. When well is off column cools.

During flow test, flow is allowed to occur 3 or 4 hours.

Max fish production - 3000 Lb/yr

Planned fish production - 500 Lb/yr

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Land proposed to be irrigated is not presently irrigated.

Q: Any proof/data that heated water will grow better crops during normal growing season?

A: No, although it can frost during any month in Idaho

Protestants:

Mr. Weissbaupt 5/5

- Opposed to approval for land use reasons.

Ms. Schubert

- Would like proof that the geothermal use will not impact the cold water use
- No water use to date

Scott Neal

- Concerned about pond overflow onto his property
- Entered easement question

A.R. Mason

- Opposes the permit
- Concerns have not changed
- Addition items have been officially noticed by the hearing officer

* Discussion item: is "hobby use" a reason for diversion of 2.22 cfs.

Final Presentation by Applicant

Record open for 10 days

Official Notice: Well log
drill permit

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List of Exhibits

	Applicant:	Admitted?
1	Report from ~~Stark Chapman~~ Donald J. Watts / B&A Engineers	Yes
2	Photos 2a General Area 2b Flow from well 2c Fish Ponds 2d Irr Area 2e Water into Swim pool	yes
3	Fish Pond permit	yes
4	Ada Co Zoning Permit for 2 ponds	yes
5	Ada Co Building Permit for 2 ponds	yes

Protestant: (Neal)

1	Letter from Ada Co Assessor re: easement which says that an easement across the Neal property cannot be recorded	yes

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1

Re: Application #63-11505, Wallace R. &/or Eda Rae Connolly

Place: ID Dept. of Water Resources, 1301 N. Orchard, Boise, ID

Date: Thursday, August 29, 1991

Hearing conducted by: L. Glen Saxton

ROSTER OF ATTENDANCE

Name	Address	Representing
Helen Weisshaupt	5005 Brookside Ln.	self
Gustave C. Weishaupt	5005 Brookside Ln.	self
Lee Heller	3439 Brookside Ln.	self
Sandra Schubert	4201 Brookside LN.	self
A R Thomson	4241 Brookside Lane	Self
Earl Compton	3550 Brookside Lane	Self
Joyce Jackson	3453 Brookside Ln	self
Alan Kofoed	P.O. Box 2772 Boise 83702	Applicant
W. Bennett	4983 BROOKSIDE	"
W. Scott Reed	4401 Brookside Ln.	self
Jean L. Anderson	3945 Brookside Ln	self

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Official Notice
taken by LGS
8/29/91

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF THE BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE GROUND WATER MANAGEMENT AREA	ORDER ESTABLISHING A MORATORIUM

On June 15, 1987, the Director of the Idaho Department of Water Resources (IDWR) designated the Boise Front Low Temperature Geothermal Resource Ground Water Management Area (Boise Front) in Ada County due to reported declines in aquifer water levels and pressure. On January 22, 1988, Boise Warm Springs Water District (BWSWD) petitioned IDWR to:

1) Establish a moratorium on further development pursuant to Section 42-1805(7), Idaho Code, and Rule 7 of the Department's Water Appropriation Rules and Regulations,

2) Designate the Boise Front as a critical ground water area pursuant to Section 42-233(a), Idaho Code, and

3) To stop further development in the Boise Front pursuant to management authority provided by Sections 42-233(b) and 42-237(b), Idaho Code.

The IDWR staff has reviewed the present status of use and development of the low temperature geothermal resource in the Boise Front area and based upon this staff review, the Director has determined that:

1) Water levels or pressures in the Boise Front continue to decline at an estimated rate of six (6) to seven (7) feet per year in all or part of the Boise Front.

2) Pending applications and undeveloped permits could increase the annual withdrawal from the aquifer several fold if developed.

3) Protection of existing rights require additional management of the resource.

4) A moratorium on further development which will increase the rate of depletion from the Boise Front is required to insure compliance with the provisions of Chapter 2, Title 42, Idaho Code.

5) Additional hydrogeologic data is needed to adequately

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evaluate the characteristics of the aquifer to prevent over appropriation of the resource, to stabilize depletions and to adequately assess the potential of long term declines.

6) By maintaining a ground water management area designation, the Director is authorized to require right holders to report withdrawals of ground water and other information to determine the ground water supply and its usage.

7) The Director is charged with the protection of existing water rights while allowing reasonable use of the resource.

8) Section 42-1805(7), Idaho Code, and Rule 7 of the Water Appropriation Rules and Regulations provide for the establishment of a moratorium on further development.

NOW, THEREFORE, pursuant to Section 42-1805(7), Idaho Code, and Rule 7 of the Water Appropriation Rules and Regulations, it is hereby ORDERED in connection with the Boise Front Low Temperature Geothermal Resource Ground Water Management Area designed on June 15, 1987 that:

1. Effective with the date of entry of this order, further development or additional use pursuant to undeveloped or partially developed permits is prohibited until the permit holder shows to the satisfaction of the Director that further development or additional use: a) will not increase depletions from the aquifer; b) will not increase pumping lift or decrease pressure to existing prior users; and c) will not reduce temperature to existing users causing systems operating at reasonable efficiency to no longer operate.

2. Pending and future applications will be rejected unless information is provided to demonstrate the use: a) will not cause additional depletion of the aquifer; b) will not increase pumping lift or pressure reduction to existing users or undeveloped permit holders; and c) will not reduce the temperature of the resource to existing users or undeveloped permit holders below the temperature necessary for a system operating at reasonable efficiency to operate.

3. The Director retains the designation of the Boise Front as a Ground Water Management Area and DENIES the petition of the Boise Warm Springs Water District to designate the Boise Front a Critical Ground Water Area.

4. The provisions of this order are effective upon issuance and remain effective for a period of five (5) years unless rescinded, modified or extended by subsequent order of the Director.

5. Service and publication of this order shall be made in accordance with the provisions of Rule 7 of the Water

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Appropriation Rules and Regulations.

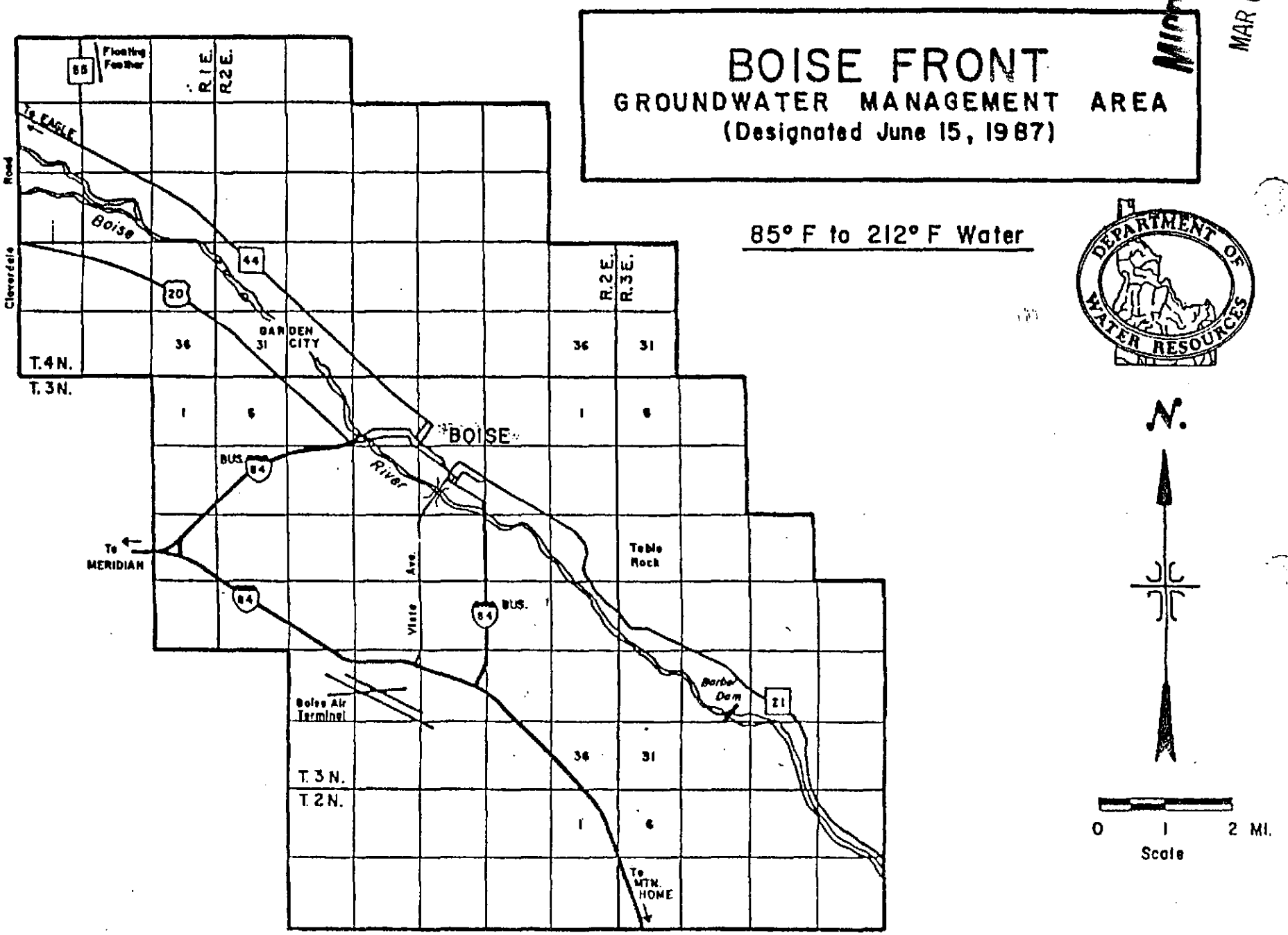
6. Any person aggrieved by this order shall be entitled to a hearing before the Director for the purpose of contesting the order. A request for hearing must be filed with the Director within fifteen (15) days after receipt of a copy of the order by certified mail, or within fifteen (15) days after completion of the publication of the order for three (3) consecutive weeks in a newspaper of general circulation, whichever is earlier. The hearing shall be conducted in accordance with the provisions of Chapter 52, Title 67, Idaho Code, and the rules of Practice and Procedure of the Department of Water Resources.

Dated this 10TH day of JUNE, 1988.

R. KEITH HIGGINSON
Director

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FIGURE 1



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DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

#4

June 8, 1988

City of Boise
c/o Steve Jordan Geothermal Coordinator
P.O. Box 500
Boise, ID 83701

RE: MANAGEMENT POLICY - BOISE FRONT GROUND WATER MANAGEMENT AREA

Gentlemen:

Enclosed for your information and use is a copy of the above referrenced management policy issued by the Director of the Idaho Department of Water Resources on June 3, 1988.

The purpose of the policy is to provide consistant direction for the department to follow in connection with the low temperature geothermal resource along the Boise Front and to provide a clear understanding of the department's management policy to existing users and to those proposing to use the resource.

The policy reflects changes from prior drafts based on comments received from water users and other interested parties.

Any administrative actions taken by the department in connection with the intent of the policy will be taken pursuant to existing law or rules and regulations which have been promulgated in compliance with the Administrative Procedures Act of the Idaho Code.

Please feel free to contact the department if you have questions.

Sincerely,

L. Glen Saxton

L. GLEN SAXTON
Chief, Operations Bureau

Enc.

c: W. Region

Applicants Ex 1
Ex

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MAR 06 1992

June 1988

MANAGEMENT POLICY

FOR

THE BOISE FRONT GROUND WATER MANAGEMENT AREA

I. GENERAL

A. Introduction

Beneficial use of warm ground water for its heat value is a part of the heritage of the Boise area. Wells were constructed as early as the 1890's to increase the available supply. Policies intended to foster the use of renewable energy resources caused a renewed interest in development of the heat resources in the 1970's. Several significant space heating projects commenced using warm water in the early 1980's, and projects to continue expanding the use are now being pursued.

The recent increase of diversions from the aquifer, however, have been accompanied by decreases in aquifer water levels and pressures. Some reduction in temperature has been measured in at least one of the producing systems. On June 15, 1987, the Idaho Department of Water Resources (IDWR) designated the Boise Front Ground Water Management Area (BFGWMA) to allow increased management of the resource (Figure #1). The continued interest in additional development as represented by applications and undeveloped permits continues to concern some existing users. Several petitions were filed in January 1988, seeking a suspension of processing of applications and a moratorium on further development of undeveloped permits.

The purpose of this draft plan is to summarize the present knowledge of the aquifer and the low temperature geothermal resource, review legal responsibilities and authorities, and to propose a policy to guide IDWR administrative actions.

B. The Aquifer

The Boise area is underlain by three aquifer systems: A shallow cold water system, a deeper cold water artesian system and a still deeper low temperature geothermal artesian system. Not all three aquifers exist in all areas. The low temperature geothermal aquifer system, which is the only aquifer addressed in this plan, is thought to be a fractured media ground water system which

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produces hot artesian water from the network of fractures of the Boise Frontal fault system and the fractured, layered rhyolite and interbedded sediments of the Idavada Group, and from fractured zones within the Idaho Batholith.

Several possible models have been suggested to describe the occurrence of warm water in the Boise Front area. While there are differences of opinion concerning details of fault orientation and the degree of interconnection between water producing zones, the basic concept of deep circulation into the Boise Front fault system as a source of heat is common to the various models. The warmest water is found at or near the Front fault in springs and wells at the northeast edge of Boise. Temperatures decrease with distance away from the fault to the south and west apparently because of mixing with cold water sources.

C. Present and Proposed Uses

Until the early 1980's, the principal user of the warm water resource was Boise Warm Springs Water District (BWSWD) which provided the resource principally for the heating of homes. This use consisted of the diversion of approximately 800 acre feet (AF) per year which is discharged to surface drains or sewer lines.

There were, however, other existing uses of the resource which were relatively minor in nature such as the heating of greenhouses. Although there was some variation in the resource prior to 1980, the principal changes became apparent when other users started using the resource.

In approximately 1982 Boise Geothermal Ltd. (BGL) constructed four wells for the purposes of heating buildings in downtown Boise. At approximately the same time, the State of Idaho (state) started heating some state owned buildings. The BGL use is approximately 600 AF per year and the state use is approximately 580 AF per year. The state reinjects the water while BGL does not.

The Veterans Administration well is scheduled for use in 1988. The water will be reinjected. Boise is planning to expand its use of the resource to heat buildings at Boise State University and is looking at the possibility of reinjection.

D. Recent Declines

As a result of the increased use of the aquifer, the maximum recovery level of the water table as measured in a BWSWD well located in NW1/4NE1/4 Section 13, T3N, R2E,B.M. has declined 30 feet from 1983 to 1987. A different well monitored by the BLM has declined approximately 36 feet in

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the same time period. The water level in the state wells has not significantly changed and declines in BGL wells are presently unknown.

Present rights to use low temperature geothermal water within the BFGWMA are summarized in Table 1. Also listed in Table 1 are estimates of the present diversion rates and volumes under these rights as reported to IDWR or listed in recent reports. Information is not now available to make this table comprehensive, however, it is apparent that present diversion rates are less than 20% of those authorized by permits or licenses or claimed for existing uses. If all existing rights were fully exercised, the diversion rate and the volume withdrawn from the aquifer would be increased by 3 to 4 times the present rate and volume.

The information in Table 1 suggests that some existing and planned uses do not use the resource primarily for the heat value. The information shown has been compiled from a variety of sources in the department's records including well logs, and written and verbal data which has been submitted to the department. The information is as complete and accurate as is presently known or estimated.

The attached summary showing well construction data (Table 2) shows the known and suspected wells which enter the low temperature geothermal aquifer. Information is not available concerning the construction of all of the wells, but the information available suggests that some wells are not constructed to prevent mixing of the upper cold water aquifer and the low temperature geothermal aquifer. The temperature reported for most of the wells places the resource in the low temperature geothermal resource category as defined in Section 42-230, Idaho Code.

II. STATUTORY REQUIREMENTS AND AUTHORITIES

The following management principles and requirements to be followed by the Director of IDWR are supported by the listed statutory authorities.

A. The resource must be managed as a low temperature geothermal resource where the following provisions apply:

1. "Groundwater" is all water under the surface of the ground whatever may be the geological structure in which it is standing or moving. I.C. Sec. 42-230(a).

2. All ground water having a temperature of greater than eighty-five (85) degrees Fahrenheit and less than two hundred twelve (212) degrees Fahrenheit in the bottom of a well shall be classified and administered as a low temperature geothermal resource pursuant to section

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42-233, Idaho Code. I.C. Sec. 42-230 (a)(1).

3. All ground water having a temperature of two hundred twelve (212) degrees Fahrenheit or more in the bottom of a well shall be classified as a geothermal resource pursuant to section 42-4002, Idaho Code, and shall be administered as a geothermal resource pursuant to chapter 40, title 42, Idaho Code. (Emphasis added.) I.C. Sec. 42-230(a)(2).

B. The resource is to be allocated and managed using the doctrine of prior appropriation.

1. The right to the use of low temperature geothermal resources of this state shall be acquired by appropriation. I.C. Sec. 42-233(1).

2. As between appropriators, the first in time is first in right. I.C. Sec. 42-106.

3. The appropriation must be for some useful or beneficial purpose, and when the appropriator or his successor in interest ceases to use it for such purpose, the right ceases. I.C. Sec 42-104.

C. Prior appropriations (other than domestic uses which began prior to July 1, 1978) are to be protected to a reasonable ground water pumping level or artesian pressure and the full economic development of the resource shall not be blocked.

The traditional policy of the state of Idaho, requiring the water resources of this state to be devoted to beneficial use in reasonable amounts through appropriation, is affirmed with respect to the ground water resources of this state as said term is hereinafter defined and, while the doctrine of "first in time is first in right" is recognized, a reasonable exercise of this right shall not block full economic development of underground water resources. Prior appropriators of underground water shall be protected in the maintenance of reasonable ground water pumping levels as may be established by the director of the department of water resources as herein provided. In determining a reasonable ground water pumping level or levels, the director of the department of water resources shall consider and protect the thermal and/or artesian pressure values for low temperature geothermal resources and for geothermal resources to the extent that he determines such protection is in the public interest. All ground waters in this state are declared to be the property of the state, whose duty it shall be to supervise their appropriation and allotment to those diverting the same for beneficial use. This act shall not affect the rights to the use of ground

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water in this state acquired before its enactment. (Emphasis added.) I.C. Sec. 42-226.

D. "Mining" of the resource is to be prevented.

Water in a well shall not be deemed available to fill a water right therein if withdrawal therefrom of the amount called for by such right would affect, contrary to the declared policy of this act, the present or future use of any prior surface or ground water right or result in the withdrawing of the ground water supply at a rate beyond the reasonably anticipated average rate of future natural recharge. However, the director may allow withdrawal at a rate exceeding the reasonably anticipated rate of future natural recharge if the director finds it is in the public interest and if it satisfies the following criteria:

1. A program exists or likely will exist which will increase recharge or decrease withdrawals within a time period acceptable to the director to bring withdrawals into balance with recharge.

2. Holders of senior rights to use ground water will not be caused thereby to pump water from below the established reasonable pumping level or levels. (Emphasis added.) I.C. 42-237 a.g.

E. The resource is to be primarily used for its heat value.

Usage of a low temperature geothermal resource primarily for reasons other than heat value is not a beneficial use of the resource, unless the director of the department of water resources exempts the proposed use. I.C. Sec. 42-233(1).

F. The resource may be controlled using the application, permit and license procedure.

All rights to divert and use the waters of this state for beneficial purposes shall hereafter be acquired and confirmed under the provisions of this chapter and not otherwise. And after the passage of this title all the waters of this state shall be controlled and administered in the manner herein provided. Such appropriation shall be perfected only by means of the application, permit and license procedure as provided in this title; provided, however, that in the event an appropriation has been commenced by diversion and application to beneficial use prior to the effective date of this act it may be perfected under such method of appropriation. (Emphasis added.) I.C. Sec. 42-201(1).

G. A drilling permit is required.

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Prior to constructing or drilling any well, an owner shall obtain a permit from the director of the department of water resources, to protect the public health, safety and welfare and the environment and to prevent the waste or mixture of any water from a well. I.C. Sec. 42-235.

H. Areas of common ground water supply may be determined.

In connection with his supervision and control of the exercise of ground water rights the director of the department of water resources shall also have the power to determine what areas of the state have a common ground water supply. I.C. Sec. 42-237 a.g.

I. Reasonable pumping levels or artesian pressures and rates of future natural recharge (aquifer yield) may be determined.

To assist the director of the department ofwater resources in the administration and enforcement of this act, and in making determinations upon which said orders shall be based, he may establish a ground water pumping level or levels in an area or areas having a common ground water supply as determined by him as hereinafter provided. I.C. Sec. 42-237 a.g.

J. Ground water management areas, critical ground water areas, areas of drilling concern, and moratoriums on applications and permits may be declared.

1. "Critical ground water area" is defined as any ground water basin, or designated part thereof, not having sufficient ground water to provide a reasonably safe supply for irrigation of cultivated lands, or other uses in the basin at the then current rates of withdrawal, or rates of withdrawal projected by consideration of valid and outstanding applications and permits, as may be determined and designated, from time to time, by the director of the department of water resources. I.C. Sec 42-233a.

2. "Ground water management area" is defined as any ground water basin or designated part thereof which the director of the department of water resources has determined may be approaching the conditions of a critical ground water area. I.C. Sec. 42-233b.

3. The director of the department of water resources may designate as he determines necessary, "areas of drilling concern" on an aquifer by aquifer basis within which drillers must comply with the additional requirements of this section. The director shall designate "areas of drilling concern" to protect public health and to prevent waste or contamination

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or surface water because of factors such as aquifer pressure, vertical depth of the aquifer, warm or hot ground water, or contaminated ground or surface waters. I.C. 42-238(7).

4. After notice, to suspend the issuance or further action on permits or applications as necessary to protect existing vested water rights or to ensure compliance with the provisions of chapter 2, title 42, Idaho Code, or to prevent violation of minimum flow provisions of the state water plan. I.C. Sec. 42-1805(7) and Water Appropriation Rule 7.

K. Unauthorized diversions may be prevented.

1. To seek a preliminary or permanent injunction, or both, or a temporary restraining order restraining any person from violating or attempting to violate: a) those provisions of law relating to all aspects of the appropriation of water, distribution of water, headgates and measuring devices; or b) the administrative or judicial orders entered in accordance with the provisions of law. I.C. Sec. 42-1805(9).

2. If the director of the department of water resources finds, on the basis of available information, that a person is diverting water from a natural watercourse or from a ground water source without having obtained a valid water right to do so or is applying water not in conformance with the conditions of a valid water right, then the director of the department of water resources may issue an order directing the person to cease and desist the activity or activities alleged to be in violation of applicable law or of any existing water right. A cease and desist order may direct compliance with applicable law and with any existing water right or may provide a time schedule to bring the person's actions into compliance with applicable law and with any existing water right. I.C. Sec. 42-351(1).

L. Waste and contamination may be controlled.

1. In the administration and enforcement of this act and in the effectuation of the policy of this state to conserve its ground water resources, the director of the department of water resources is empowered to require both flowing and nonflowing wells to be so constructed and maintained as to prevent the waste of ground waters through leaky wells, casings, pipes, fittings, valves or pumps either above or below the land surface. I.C. Sec. 42-237a.

2. Any person owning or controlling an artesian well shall maintain the well to prevent waste or contamination of

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ground waters through leaky casings, pipes, fittings, valves, pumps, seals or through leakage around the outside of the casings, whether the leakage is above or below the land surface. I.C. Sec. 42-1601(2).

III. MANAGEMENT GOALS

The goals for management of the BFGWMA are:

A. Protect the existing users under the doctrine of prior rights.

This protection will not consist of total preservation of the artesian pressure and flow rate occurring at the time an existing right was developed and may not be the pressure and rate occurring today. The prior existing users are to be protected by management to assure:

1. An adequate water supply for the beneficial use authorized at a reasonable efficiency of use as determined by the Director.

2. An adequate water temperature as determined by the Director for the use authorized, and

3. An artesian pressure or pumping level adequate to allow the authorized use to continue as determined by the director.

B. Allow full use of the low temperature geothermal resource to maximize public benefit.

Full use of the resource includes:

1. A recognition that the resource is to be used primarily for its heat value.

2. All uses, new and existing, must use the resource with reasonable efficiency to prevent waste of the heat in the resource.

3. Encourage transfers or contracts among existing users to most efficiently use the resource within the limits of existing water rights.

C. Provide clear understandable management policies for the resource.

IDWR's management policies need to be available in written form and available to existing and potential future users of the resource as well as to the public. These policies must:

1. Maintain consistency in IDWR actions,

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2. Minimize administrative paper work,

3. Minimize management cost to users and the public, and

4. Provide a reliable basis for actions of both users and IDWR.

D. Stabilize depletions from the aquifer at existing or reasonable rates (whichever is less), until a new equilibrium condition can be accurately predicted. The goals of protection for existing users and for maximizing public benefit from the resource may appear to be in conflict, one seeking to minimize the number of users and the other seeking to maximize development. IDWR must balance these goals to obtain a workable management plan. The key to balance is adequate knowledge of the resource. In particular, IDWR needs reliable estimates of the volume of water the resource can yield, how this volume changes if water levels or pressures are reduced in the aquifer, the effect of reduced water levels or pressures on water temperature, the degree of interconnection between present and future wells, how interconnection can be minimized, and a workable estimate for reasonable pumping (pressure) levels.

Development of this information will be facilitated by the maintenance of stable conditions in the aquifer.

IV. OBJECTIVES TO MEET GOALS

A. Existing Uses

1. Each use will be limited to the lesser of the recorded right, beneficial use being made of the water or sustained historic diversion rate and/or volume.

2. Use with reasonable efficiency will be required.

3. IDWR will require the substitution of cold water resources for existing uses that do not need the heat value of the low temperature geothermal resource, wherever practical.

4. Well and system construction to prevent waste above and and below ground will be required.

5. Reinjection will be required unless it can be shown to the satisfaction of the Director that reinjection is not economically and technically feasible.

6. Uniform monitoring equipment, data collection and reporting will be required where possible.

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7. Diversion and use of water will be administered through the authority in Sections 42-237a.g., 42-311, 42-350 and 42-351, Idaho Code, until a water district can be formed.

8. IDWR will create a water district and appoint a watermaster upon entry of an interim decree in the Snake River Adjudication (or other adjudication) to measure and deliver water to the users.

B. Undeveloped and Partially Developed Permits

1. Permits to use the low temperature geothermal resource for which the full extent of authorized diversion rate, volume and beneficial use has not been diverted and beneficially used may not be further developed until IDWR determines from information submitted that further development will not:

   a) Increase depletions from the aquifer,

   b) Increase pumping lift or decrease pressurefor existing senior users,

   c) Reduce temperature to existing users causing systems operating at reasonable efficiency to no longer operate.

   Permit holders may submit proposed mitigation approved by IDWR to accomplish a), b), and c).

   Further development can only occur if specifically authorized by IDWR after review and approval of development plans and other applicable information.

2. Permits which do not use heat as a primary purpose will be cancelled.

3. Reinjection to the aquifer will be required unless determined by the Director to be unreasonable.

4. All systems will be required to use water and heat with a reasonable efficiency as determined by the Director.

C. Applications

1. Pending and future applications will be rejected unless information is provided by the applicant to demonstrate the use will not cause:

   a) Additional depletion of the aquifer,

   b) An increase in pumping lift or pressure reduction

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to existing users or undeveloped permit holders,

c) Temperature to be reduced to present users or undeveloped permit holders below that necessary for a system operating at reasonable efficiency to operate.

Applicants may propose mitigation necessary to accomplish a), b), and c).

2. Protested applications will not be set for hearing unless the Director makes a preliminary determination that a), b) and c) are satisfied or acceptable mitigation has been proposed.

3. The applicant is responsible to provide all existing users and holders of undeveloped permits a copy of the application and supporting information upon request.

4. Applications which do not propose heat as the primary use will be rejected. Exceptions will be considered based upon the following factors:

   a) Reinjection is proposed.
   b) The system is designed to achieve reasonable efficiency.
   c) Only non consumptive uses are proposed.
   d) Water quality will not be impaired.
   e) A reliable practical source of cold water does not exist.

5. Domestic uses (exempted from the filing of a water appropriation permit by Sec. 42-227, Idaho Code) will be authorized only after approval of a drilling prospectus submitted with the required drilling permit.

V. ADMINISTRATIVE ACTIONS REQUIRED TO IMPLEMENT OBJECTIVES

A. Impose a moratorium pursuant to Section 42-1805(7), Idaho Code, and Rule 7 of the Water Appropriation rules on further development of undeveloped permits until IDWR determines further development is authorized.

B. Require uniform monitoring equipment, data collection and reporting where possible.

C. Require existing users to have systems evaluated by a qualified licensed engineer or geologist with a report to IDWR to confirm adequacy of system construction (including wells) to prevent waste and to use water and heat with reasonable efficiency as determined by the Director. The studies shall include an analysis of the

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practicality and efficiency of reinjecting all or a portion of water diverted and retrofitting of existing systems. For systems which do not use or need the heat value of the resource, an analysis of the practicality of substituting a cold water source will be required.

D. Issue administrative orders to enjoin unauthorized or excessive use and to require system reconstruction or repair and reinjection.

E. Continue IDWR data collection efforts and seek funding to conduct studies to increase knowledge of aquifer, water, and heat resources.

F. Issue administrative orders to amend licenses and permits within the BFGWMA which show "heating" as a use but which do not take water from the low temperature geothermal aquifer.

G. Require a drilling prospectus to be submitted for review and approval with each drilling permit proposing to construct a well into the low temperature geothermal aquifer or which exceeds a 300 ft depth.

H. Retain designation as a ground water management area rather than revise the designation to a critical ground water area. This will keep in place the authority to require instrumentation, monitoring, reporting and recordkeeping.

I. Require applicants for water appropriation to furnish sufficient technical data and plans to allow a preliminary determination by the Director that water is available, that existing users will not be damaged, and that depletion of the aquifer will not be increased. Applications will not be advertised and protest hearings will not be scheduled until an affirmative preliminary determination is made by IDWR.

J. Develop a complete inventory of wells constructed into the low temperature geothermal aquifer.

Signed this 3rd day of June, 1988 in Boise, Idaho.

R. KEITH HIGGINSON, Director

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BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE
GROUND WATER MANAGEMENT AREA

Owner/User Name	Well Ident. No.	Water Right Number Basin 63	Present Primary Use	Secondary Use	Water Right Diversion Rate (cfs)	Present Diversion Rate Capacity (cfs)	Planned Increase In Diversion Rate (cfs)	Present Annual Volume of Diversion (acre-feet)	Present Annual Volume Re-injected (acre-feet)
Boise W.S.W.D.	West East	63-5073 S	Heating	Domestic	12.80	2.45 Bob Griffiths Records	0	797.4	0
Boise W.S.W.D.	#3	63-9160 P	Heating	Domestic	4.0	0	4	0	0
BGL	1, 2, 3, 4	63-9139 P	Heating	Irrigation Commercial Municipal Fish	12.0	8.91 letter from City	1.5+	614	0
City of Boise		63-9138 P	Heating	Irrigation Commercial Municipal Fish	8.0	0			
State of Idaho	#2 Prod. #1 Inj.	63-9341 P	Heating	None	5.57	1.8 State Records	0	583	583
State of Idaho		63-9215 P	Heating	None	9	0	0	0	0

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Owner/User Name	Well Ident. No.	Water Right Number Basin 63	Present Primary Use	Secondary Use	Water Right Diversion Rate (cfs)	Present Diversion Rate Capacity (cfs)	Planned Increase in Diversion Rate (cfs)	Present Annual Volume of Diversion (acre-feet)	Present Annual Volume Re-injected (acre-feet)
Veterans Adm.	Production	63-9890 P	Heating	None	2.23	.22 - .45 Estimate based on conversation	2.0	Unknown	100%?
	Production	63-10339 P	Heating	None	.44	0			
State of Idaho Hist. Soc.	Old Pen.	63-9661 P	Irrig.		2.2	Unknown	?	Unknown	0
	Old Pen.	63-10241 P	Irrig.	Domestic	.4	Estimated .02	.14	7.67	0
Dallas Harris	Pumped Well	63-8627 P	Irrig.	(Heating) Field exam completed	3.0	1.42 Field exam	0	690?	0
		63-9343 P	Commer.	Heating	6.0	0	6.0	?	
City of Boise Parks Dept.	Quarry View	63-10022 P	Irrig.	None	.60	.37 Field exam	?	180 max.	0

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SUMMARY OF USES AND PROPOSED USES
BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE
GROUND WATER MANAGEMENT AREA

Owner/User Name	Well Ident. No.	Water Right Number Basin 63	Present Primary Use	Secondary Use	Water Right Diversion Rate (cfs)	Present Diversion Rate Capacity (cfs)	Planned Increase In Diversion Rate (cfs)	Present Annual Volume of Diversion (acre-feet)	Present Annual Volume Re-injected (acre-feet)
Kante Yanke (State of ID)		63-10515 A	Heating	None	.50	0	.5	0	0
Paul Edwards		63-0014 D	Irrig. (Gr. House)	Stock Heating	.84	.70 Bob Griffiths measure-ments	.14	(3407)	0
		63-2402 L	Irrig.	Heating Domestic	.84	0	.84	(3407)	0
Robert Hunt	Tiegs May also be known as Milstead	63-0015 D	Irrig. (Gr. House)	Stock Heating Domestic	.80	.60 Estimate	0	(?388)	0
		63-0012 D	Irrig.	Stock Heating Domestic	.14	0	0		
		63-0013 D	Irrig.	Stock Heating Domestic	.66	0	0		

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SUMMARY OF USES AND PROPOSED USES
BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE
GROUND WATER MANAGEMENT AREA

Owner/User Name	Well Ident. No.	Water Right Number Basin 63	Present Primary Use	Secondary Use	Water Right Diversion Rate (cfs)	Present Diversion Rate Capacity (cfs)	Planned Increase In Diversion Rate (cfs)	Present Annual Volume of Diversion (acre-feet)	Present Annual Volume Re-injected (acre-feet)
Victor Nibler		63-4037 S	Irrig.		2.4	2.4	0	(11667)	0
LTS Shamanah Golf Course		63-9758 P	Irrig.	Aesthetic	3	3	0	?	0

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* DATA IN TABLE 1 HAVE BEEN COMPILED FROM WELL LOGS AND OTHER INFORMATION IN THE RECORDS OF THE IDAHO DEPARTMENT OF WATER RESOURCES.

TABLE 2*

SUMMARY - WELL CONSTRUCTION
BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE
GROUND WATER MANAGEMENT AREA

Owner	Well Ident. No.	Location	Date Drilled	Driller	Log Filed (Yes-No)	Reported Depth (ft.)	Casing Depth (Unperf.) (ft.)	Seal Depth (ft.)	Depth to Water or Pressure (ft. or psi)	Temperature at Land surface
Boise Warm Springs Water Dist. West	West	T3N R2E S12 SE SE SW	1892?	Unknown	No Video Log 1980-81	400'	16"-150'	Unkn.	Under max div. 160' - 220'	170°F
Boise Warm Springs Water Dist. East	East	T3N R2E S12 SE SE SW	1892?	Unknown	No Video Log 1980-81	406'	16"-154'	Unkn.	Under max.div. 160' - 220'	170°F
Boise Warm Springs Water District #3	#3	T3N R2E S12 SE SE SW	1980-81	Tony Engleman	Yes Montgomery Eng.-Kelly	587'	214'	Unkn.	43' - 112'	144°F
Boise Geothermal Ltd.	#1	T3N R2E S11 SW NW NE	3/16/81	Holman	Yes	2008'	12"-874'	874'	5-6 psi	171°F
Boise Geothermal Ltd.		T3N R2E S11 NW NW NE	4/17/81	Holman	Yes	880'	12"-642'	642'	7-8 psi	171°F
Boise Geothermal Ltd.	#3	T3N R2E S11 NE NE NW	5/15/81	Holman	Yes	1879'	12"-653'	653'	Unknown	171°F
Boise Geothermal Ltd.	#4	T3N R2E S11 SW NW NE	5/25/81	Holman	Yes	1103'	12"-598'	598'	Unknown	171°F
Capitol Mall (Injection)	#1	T3N R2E S10 SE NE NE	8/11/80	Middleston	Yes	2152'	8 5/8"-1640'	1750'	14.8 psi 10 psi, cool	160°F
Capitol Mall (Production)	#2	T3N R2E S10 NW NE NE	6/29/81	Holman	Yes	3030'	12"-1260'	1260'	20-22 psi, hot	155.8°F

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SUMMARY - WELL CONSTRUCTION
BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE
GROUND WATER MANAGEMENT AREA

Owner	Well Ident. No.	Location	Date Drilled	Driller	Log Filed (Yes-No)	Reported Depth (ft.)	Casing Depth (Unperf.) (ft.)	Seal Depth (ft.)	Depth to Water or Pressure (ft. or psi)	Temperature at Land Surface
VA	Production	T3N R2E S2 SW SE SW	8/23/83	Materi Expl.	Yes	1666'	12"-802' 8"-1100'	802'	-6'	165°F
VA	Injection	T3N R2E S2 SW NW SW	10/23/86	Holman	Yes	2300'	10 3/4" - 1240'	1240'	5 psi	140°F
VA	Test Inj.	T3N R2E S2 SW NW SW	9/20/83	Materi Expl.	Yes	1840'	7"-1220'	1220'	Flowing	140°F
Old Pen Well "Botanical Gardens"		T3N R2E S13 SW SW NE	7/5/65	Lukehart	Yes	872'	12"-220'	?	-73'	97°F
Dallas Harris	Production Well	T3N R3E S20 NW SE NW	3/3/86	Murphy & Johnston	Yes	742'	16", 12", 10", 8", 548'	?	-75'	181°F
Dallas Harris	Monitor Well	T3N R3E S20 NW SE NW	?	?	No	644'				
Boise Parks Dept.	Quarry View	T3N R2E S13 NW NE NW	8/25/83	Stevens	Yes	865'	8"-498'	20'	-35'	140-143°F
Kante & Yanke		T3N R2E S13 NW SW NE	12/22/82	Gestrin	Yes	1015'	8"-635'	635'	-31'	160°F
Paul Edwards		T4N R2E S29 SE SW NE	11/1926	Jack Dir?	No Notes from drilling by Edwards	1200'	4"-1200'	?	19-23 psi	118°F

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Owner	Well Ident. No.	Location	Date Drilled	Driller	Log Filed (Yes-No)	Reported Depth (ft.)	Casing Depth (Unperf.) (ft.)	Seal Depth (ft.)	Depth to Water or Pressure (ft. or psi)	Temperature at Land Surface
Robert Hunt		T4N R2E S28 NW NW SW	5/1927	Jack Dir?	No	1240'	4"-?	?	21 psi?	
Nibler (Quail Hollow)		T4N R2E S28 NE NW NE	1930's	?	No	Unknown	Unknown	Unkn.	Unknown	116°F
LTS Inc. (Shamanah Golf Course) (Quail Hollow)	Nibler	T4N R2E S28 NW NW NE	1980's	Kenny Witt & Jim Dufoe	Yes	710'	?	?	?	116°F?
				Wayne Stevens	No Convers. Notes from Montgomery Engineers	710-1100' 940'- basalt				
Robert Hunt	Milstead Shed 29DAAA2	T4N R2E S29 NE NE SE			No	1224'				
Terteling	Irrig. 22CBBA1	T4 R2E S22 NW NW SW	1/1968	Kenneth Witt	Yes	600'	510'	59'	129'	109°F
Terteling	Pool	T4N R2E S22 SE SW NW			No	595'				
	Ryan 29BADD1	T4N R2E S29 SE NE NW			No	1145'				
	Wayne Church 29ADCC1	T4N R2E S29 SW SE NE			No	1420'				

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SUMMARY - WELL CONSTRUCTION
BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE
GROUND WATER MANAGEMENT AREA

Owner	Well Ident. No.	Location	Date Drilled	Driller	Log Filed (Yes-No)	Reported Depth (ft.)	Casing Depth (Unperf.) (ft.)	Seal Depth (ft.)	Depth to Water or Pressure (ft. or psi)	Temperature at Land Surface
Terteling	Barnes 17CBB1	T4N R2E S17 NW NW SW			No	1240'				
Boise Parks Dept.	Tennis Court 11BBDD1	T3N R2E S11 SE NW NW	10/1958	Kenneth Witt	Yes	385'	256'	?	67'	70°F
Warm Springs Mesa East	24ACAD1	T3N R2E S24 NE SW NE	11/1960	Russel Cowe	Yes	495'	280'	?280'	27' 4"	86oF
	Beard Well 11ABCB1	T3N R2E S11 SW NW NE	Unknown	Unknown	Yes	1283'	Unknown	?		
	Koch 03CBDB1	T3N R2E S3 SE NW SW	11/1971	Russel Cowe	Yes	638'	1143'	135'	32.9'	84°F
	Hills Village 02BBAA1	T3N R2E S2 NE NW NW			No	282'				
BLM (BEH-1)	11BABD1	T3N R2E S11 NW NE NW			No	1222'				
12CDDC2	Behrnan 12CDDC2	T3N R3E S12 SE SE SW	Unknown		No	Unknown				Warm
Boise Water Corp.	Gamble Well 35CBBA1	T4N R2E S35 NW NW SW	4/1979	Stevens	Yes	781'	737'	20'	88'	86°F
Robert Hunt	Millstead House 29DAAA1	T4N R2E S29 NE NE SE			No	1200'				

RECEIVED MAR 6 1980

SUMMARY - WELL CONSTRUCTION
BOISE FRONT LOW TEMPERATURE GEOTHERMAL RESOURCE
GROUND WATER MANAGEMENT AREA

Owner	Well Ident. No.	Location	Date Drilled	Driller	Log Filed (Yes-No)	Reported Depth (ft.)	Casing Depth (Unperf.) (ft.)	Seal Depth (ft.)	Depth to Water or Pressure (ft. or psi)	Temperature at Land Surface
Boise Water Corp.	Test # Barber Dam 3OODAA1	T3N R3E S30 NE SE SE	1987	W.E. Stevens	Yes	940'	246'	?	154'	?

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DATA IN TABLE 2 HAVE BEEN COMPILED FROM WELL LOGS AND OTHER INFORMATION IN THE RECORDS OF THE IDAHO DEPARTMENT OF WATER RESOURCES.

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

June 21, 1988 #4

CERTIFIED MAIL

City of Boise
c/o Steve Jordan Geothermal Coordinator
P.O. Box 500
Boise, ID 83701

Gentlemen:

RE: BOISE FRONT - ORDER ESTABLISHING A MORATORIUM

Enclosed is an order establishing a moratorium in connection with further development of the warm water aquifer in the Boise Front Low Temperature Geothermal Ground Water Management Area.

The moratorium has been ordered pursuant to the authority of Section 42-1805(7), Idaho Code, and Rule 7 of the Department's Water Appropriation Rules and Regulations.

Objections to entry of the order shall be considered by the department under the provisions of the department's adopted Rules of Practice and Procedure and applicable law. Objections must be filed within fifteen (15) days of the date of this letter.

Sincerely,

NORMAN C. YOUNG
Administrator

Encl: 1

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~~Petitioners~~ Exhibit No. 1
Neal
Rec. 5-4-91

Admitted 8/29/91

COUNTY OF ADA
OFFICE OF THE ASSESSOR

W.R. "BILL" SCHROEDER
ASSESSOR

ADMINISTRATION BUILDING
650 MAIN
BOISE, ID 83702

MEMORANDUM FOR: See Distribution

DATE: May 3, 1991

SUBJECT: Case No. 93686

Under the provisions of Idaho Code 63-301, we are the recipient of the Second Judgment and Decree of Condemnation recorded February 25, 1991, No. 9109521, Records of Ada County, Enclosure 1. We are unable to change the county assessment/tax records because of the following:

a. The Range in which the property is located is not specified.

b. The location of the center line is indiscernible. Northwesterly, according to Webster, can be

(1) the direction halfway between north and west (2) a region in and toward this direction (3) in, of, or toward this direction.

c. How much more or less are we to add or subtract from the 990 and 470 feet?

d. What does a point resemble? Why not use specific, visible monumentation?

e. Westerly along the Southerly line of said NW1/4NE1/4 of Sec. 34, T5N, R1E, B.M., 25 feet, more or less, includes a parcel of land belonging to Walter E. and Lucile Cameron, approximately 25'x25', 625 square feet. They are not mentioned in the Judgement nor are we aware of any record documentation disclosing their acquiescence to said taking.

It is recommended that:

a. The scrivener(s) become acquainted with Chapter 30, Land Descriptions. The Surveying Handbook, by Russell C. Brinker and Roy Minnick and in particular Section 30-10, Strip Descriptions.

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b. Examine the following documents, all records of Ada County:

(1) Warranty Deeds (WD) Nos. 706221 and 7969257, conveyances from Gibbens and Tomkinson to W.E. and Lucile Cameron.

(2) WD No. 721240, conveyance from Scott Neal to Rose Marie Neal.

(3) Correction Warranty Deed No. 8654681, conveyance from Cameron to Harris, and WD No. 9013849, Harris to Connolly.

(4) Record of Survey No. 1718, Instrument Number 9046362.

Louis R. Fausset
Deputy Assessor
Mapping Department
Tele: 383-4410 Ext. 210

LRF/ST
1 Encl. as stated

Distribution:
Mr. and Mrs. Wallace R. Connolly, 4983 Brookside, Boise, ID 83703

M. Karl Shurtliff, Esq., P.O. Box 1652, Boise, ID 83701-1652

Ms. Rose Marie Neal, 4401 Brookside, Boise, ID 83703

Mr. and Mrs. W.E. Cameron, 616 N. Harvey, Eagle, ID 83616

cc: Ada County Highway District, Attn: Right-of Way, 318 East 37th Street, Boise, ID 83714

Prosecuting Attorney, Civil Division, 650 Main, Boise, ID 83702

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Admitted by LGS 8/29/91 Applicant's Exhibit No. 1.

A & B ENGINEERING
CIVIL ENGINEERING, SURVEYING, PLANNING,
WATER RESOURCES, LAND DEVELOPMENT

2212 N. 20 th. St.
Boise, ID 83702
(208) 344-4516

4/9/91

Mr. Wallace R. Connolly
Connolly Construction Co.
4277 Brookside Lane
Boise, ID 83703

Dear Mr. Connolly:

Transmitted herewith are four copies of the groundwater hydrology report that you requested for use in obtaining Ada County's approval of your Connolly Estates subdivision. I hope it is sufficient for that purpose.

If you require anything further, please feel free to contact me.

Very truly yours,

Donald J. Watts, P.E., L.S.

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DRY CREEK AREA GROUNDWATER HYDROLOGY REPORT

FOR

WALLACE R. CONNOLLY

PURPOSE

The purpose of this report is to alleviate the fears and concerns of the Ada County authorities and the owners of adjoining, and nearby properties concerning the possible depletion of groundwater supplies in the area by domestic wells that would be drilled on four lots of the proposed Connolly Estates subdivision.

SCOPE

This report is intended only to present conclusions based on information collected by the author from field investigation of existing facilities, testimony, and public data sources.

METHODOLOGY

In order to determine the prevalence and amounts of groundwater available for appropriation in the subject area together with historic groundwater levels and rates of withdrawal, records on file with the Idaho Department of Water Resources were used extensively. Water well logs on file with the Idaho Department of Water Resources were used to determine the primary characteristics of 13 wells in the area; ten of the wells are within 1/2 mile of the proposed Connolly Estates subdivision boundary and six of those wells are within 1/4 mile of the mentioned boundary. Public records and notes on test pumping included on the well logs regarding well yield at the time of

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drilling were used as an indication of the likelihood of aquifer overdraft.

GENERAL

Wells in the area of the proposed Connolly Estates subdivision are predominantly located to the south and are quite shallow. Six of the thirteen wells for which logs were obtained are sixty feet or less in depth and another is only sixty eight feet deep. All of these shallow wells produced more than enough water for domestic use and, in fact, most of them yielded 50 gallons per minute or more. Two have been tested at over 200 gallons per minute. Nine gallons per minute is recognized as the maximum requirement for domestic use under Idaho statutes.

Two wells included were 90 and 100 feet deep; the 90 foot well produced sufficient water (15 gpm) for domestic use and was not pumped to determine capacity while the 100 foot well had no yield data available, but it is believed to be currently in use as a domestic well.

Four wells are much deeper, ranging from 203 feet to 688 feet in depth and apparently produce from two or more different aquifers that are not tapped by the shallower wells. One of these wells produces cool water from over 450 feet and the deepest produces warm (82 degrees F.) water from over 640 feet. The only well that was of questionable value was one drilled 540 feet deep in nearly continuous clay that produces 12 gallons per minute, still enough for domestic use; it is approximately a mile from the proposed Connolly Estates subdivision and is unlikely to reflect conditions that would be encountered there.

There are some wells north and east of the area of primary

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concern that produce warm water from greater depths. These wells have upper cool water bearing strata sealed off to prevent intermingling of the waters and, therefore are not considered to be pertinent to this study.

The property that would comprise the Connolly Estates subdivision has existing water rights for irrigation purposes from surface water sources. Since the surface water is already available and cost effective new wells would only need to be large enough to supply the statutory domestic use requirement.

The appendix contains logs of the thirteen wells that were used as the primary source of data for this report together with a map noting the approximate location of eleven of the thirteen. Two of the wells are located slightly northeast of the northeast corner of the map. One is south of Highway 55.

SUMMARY

Based on the study of the available data for wells in the area the following conclusions were made:

1. Sufficient water is available in the aquifers of the area in question to satisfy the anticipated domestic needs of the Connolly Estates residents.
2. Water used from the aquifer(s) by residents of the Connolly Estates subdivision will be in such small amounts that the removal of the water will probably not be detectable, much less damaging to the supply.
3. It is extremely unlikely that any detectable iterference with existing well water supplies would result from the construction and use of domestic wells within the proposed Connolly Estates subdivision.

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APPENDIX

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MAR 06 1992



200 GPM

orm 238-7
178

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

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 [illegible]

Address [illegible]

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

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
[illegible] inches	[illegible] inches	[illegible] feet	[illegible] 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 [illegible] inches by [illegible] inches

Number		From	To
1040	perforations	212 feet	420 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 [illegible] Material used in seal: ☐ Cement grout
☒ Puddling clay ☐ Well cuttings
Setting 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 [illegible]

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

W E

S

Subdivision Name _____
Lot No. _____ Block No. _____
County _____
¼ ¼ ¼ Sec. [illegible] T. [illegible] N. R. [illegible] E.

7. WATER LEVEL

Static water level [illegible] 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 _____

8. WELL TEST DATA

☐ Pump ☒ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
[illegible] approx 200	[illegible] 400	[illegible] 4 hrs.

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
[illegible]	0	2	Top soil		X
[illegible]	2	6	Brown clay		X
[illegible]	6	10	Sand with brown clay		X
[illegible]	10	20	Soddy clay, little water	X	
[illegible]	20	30	Blue clay		
30	30	31	Gravel & gravel with strips of clay, formed to 12" hole	X	

10. Work started [illegible] finished [illegible]

11. DRILLERS CERTIFICATION

The undersigned certifies that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name [illegible] Firm No. [illegible]
Address [illegible] Date [illegible]
Signed by (Firm Official) [illegible]
and
(Operator) [illegible]

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MAR 06 1992

USE ADDITIONAL SHEETS IF NECESSARY — SEND ORIGINAL TO THE WATER RIGHTS DEPARTMENT

(1)

Form 238-7
0/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCE

USE TYPEWRITER OR BALLPOINT PEN

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: Phil Huff

Address: Eagle, Idaho

Owner's Permit No. ____

2. NATURE OF WORK

[X] New well [ ] Deepened [ ] Replacement

[ ] Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

[X] Domestic [ ] Irrigation [ ] Test [ ] Municipal

[ ] Industrial [ ] Stock [ ] Waste Disposal or Injection

[ ] Other ____ (specify type)

4. METHOD DRILLED

[X] Rotary [X] Air [ ] Hydraulic [ ] Reverse rotary

[ ] Cable [ ] Dug [ ] Other ____

5. WELL CONSTRUCTION

Casing schedule: [X] Steel [ ] Concrete [ ] Other ____

Thickness	Diameter	From	To
.250 inches	6 inches	+ 1 feet	19 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? [ ] Yes [X] No

Was a packer or seal used? [ ] Yes [X] No

Perforated? [ ] Yes [X] No

How perforated? [ ] Factory [ ] Knife [ ] Torch

Size of perforation ____ inches by ____ inches

Number		From	To
	perforations	feet	feet
	perforations	feet	feet
	perforations	feet	feet

Well screen installed? [ ] Yes [X] 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 [X] No [ ] Size of gravel ____

Placed from ____ feet to ____ feet

Surface seal depth 18 Material used in seal: [ ] Cement grout [ ] Bentonite [X] Puddling clay [ ] ____

Sealing procedure used: [ ] Slurry pit [ ] Temp. surface casing [X] Overbore to seal depth

Method of joining casing: [ ] Threaded [X] Welded [ ] Solvent Weld

[ ] Cemented between strata

Describe access port ____

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E (section grid sketch, X marked in SE corner)

Subdivision Name ____

Lot No. ____ Block No. ____

County Ada

SE ¼ SE ¼ Sec. 34, T. 5 N/S, R. 1 E/W

7. WATER LEVEL

Static water level 14 feet below land surface.

Flowing? [ ] Yes [X] 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 [X] Air [ ] Other ____

Discharge G.P.M.	Pumping Level	Hours Pumped
50	28	1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
11"	0	1	Brown topsoil		X
11	1	4	Brown clay		X
11	4	12	Brown sandy clay		X
11	12	15	Brown sand & [illegible]		X
11	15	18	Brown sandy clay		X
8"	18	25	" " "		X
8"	25	32	Brown sand & gravel		X
8"	32	45	Blue clay		X

6" PVC liner from 8' to 44' perforated from 23' to 43'

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10.

Work started 6/3/86 finished 6/3/86

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name [illegible] Firm No. 212

Address ____ Date ____

Signed by (Firm Official) [signature]

and

(Operator) [signature]

MICROFILMED MAR 06 1992

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

2

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

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 Steve Purvis
Address Brookside Rt Eagle Ida.
Owner's Permit No.

7 WATER LEVEL
[illegible]

2 NATURE OF WORK
X New well ☐ Deepened ☐ Recondition
☐ Abandoned (describe method of abandoning)

8 WELL TEST DATA
X Pump ☐ Bailer ☐ Air ☐ Other
50 GPM — TIR

3 PROPOSED USE
X Domestic X Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste ☐ Other (specify)
☐ Other

9 LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yield (gpm)
10	0	2	Top Soil	
5 7/8	2	22	Sand Clay	
	22	28	Sand	X
	28	48	Sand & Gravel	X

4 METHOD DRILLED
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
X Cable ☐ Dug ☐ Other

5 WELL CONSTRUCTION
Casing schedule: X Steel ☐ Concrete ☐ Other

Threads	Diameter		From	To	Gage
STD	10 inches	to	1	22 ft	
STD	5 inches	to	22	48 ft	

Was casing drive shoe used? X Yes ☐ No
Was a packer or shoe used? ☐ Yes X No
Perforations? X Yes ☐ No
Type perforations? ☐ Factory ☐ Knife X Torch
Size of perforations 1/8 in. Method by 2 Done

Number	Perforations	From	To
80	perforations	22	48 ft

Was screen installed? ☐ Yes X No
Manufacturer's name
Type Model No.
Diameter Slot size Set from To ft
Diameter Slot size Set from To ft
Gravel packed? ☐ Yes X No Size of gravel
Packer type Set at ft
Did you use sand slurry? Yes Was it used in test? ☐ Common ☐ Pumping plug X Drive shoe
Was drive shoe seal: ☐ Rubber ☐ Cement ☐ Other
Was a surface seal provided? X Yes ☐ No
Material used in grouting: ☐ Thrown X Poured ☐ Cement Grout ☐ Concrete
☐ Concrete between casings
Depth to water first found

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DEC. 18, 1992
Department of Water Resources

RECEIVED
JUL 29 1991
Department of Water Resources
Western Regional Office

10 Work started 3/26/91 Completed 3/26/91

6 LOCATION OF WELL
Owner's well number must agree with corresponding location.
Subdivision Name
Lot No. Block No.
County
NW 1/4 of SE 1/4 of Sec. 34 T. 3 N R. 1 E B.M.

11 DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was released.
Firm name Dew Rigs Firm No. 332
Address 2067 Dudley Date 3/26/91
Signed by (Firm Official)
and
Operator

IF YOU ARE FINISHED — ORIGINAL AND FIRST COPY TO THE DEPARTMENT

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MAR 06 1992

3

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AUG 19 1963
Department of Reclamation

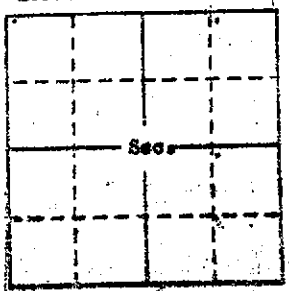
REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Dale B Tomkinson
Address Rt 1 Boise Idaho

Owner's Permit No. unknown
NATURE OF WORK (check): Replacement well ☐ New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for:
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑ Dug ☐ Other ☐ (explain)
CASING SCHEDULE: Threaded ☐ Welded ☑
6 "Diam. from 0 ft. to 40 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: 3/16 Material:
Steel ☑ concrete ☐ wood ☐ other ☐ (explain)
PERFORATED? Yes ☑ No ☐ Type of perforator used:
Size of perforations: 1/4 " by 3 "
76 perforations from 25 ft. to 52 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐ No. ☑ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal: Bentonite
Did any strata contain unusable water? Yes ☐ No. ☑ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☐ No. ☑
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County Ada
NE ¼ SE ¼ Sec. 34 T. 2 N R. 3 E

Size of drilled hole: 8 Total depth of well: 55 Standing water level below ground: 8 Temp. Fahr. * Test delivery: 50 gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test: 4" Rod Pump
Length of time of test: 12 Hrs. 30 Min.
Drawdown: 7 ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	7	Soil	NO
7	46	Muddy Sand & Blue Clay	NO
46	52	Coarse Granite Sand & Gravel	
52	55	Hard Sandy Blue Clay & Gravel	YES

Work started: Aug 1 1963
Work finished: Aug 9 1963
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name:
Address:
Signed by:
License No. Date:

Use reverse side for additional remarks

USGS

④

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MAR 0 0 1992

STATE COPY

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NOV 25 1968
Department of Reclamation

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name W E CAMERON
Address KAMPA, IDAHO

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for: Domestic
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded — Welded —
12 "Diam. from 0 ft. to 20 ft.
6 "Diam. from 0 ft. to 40 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: .250 Material:
Steel ☑ concrete ☐ wood ☐ other ☐
(explain)
PERFORATED? Yes ☑ No ☐ Type of perforator used:

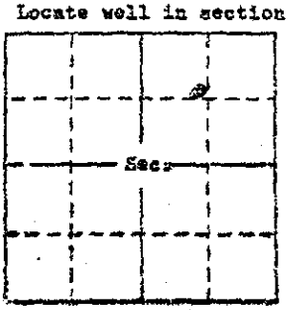
Size of perforations: 3/16 " by 4 "
perforations from 20 ft. to 40 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

CONSTRUCTION: Well gravel packed? Yes ☑
No ☐ size of gravel 1/8 To 3/16 Gravel placed from 0 ft. to 40 ft. Surface seal provided? Yes ☑ No ☐ To what depth? 20 ft. Material used in seal: Clay

Did any strata contain unusable water? Yes ☐
No ☐ Type of water:
Depth of strata ft. Method of sealing strata off:

Surface casing used? Yes ☐ No. ☑
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County
NW¼ NE¼ Sec. 24 T. 2 N R. 1 W

Use other side for additional remarks

Size of drilled hole: 12" Total depth of well: 40 Standing water level below ground: 12 FT Temp. Fahr. ° Test delivery: 15 gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test: Red PUMP
Length of time of test: 3 Hrs. Min.
Drawdown: 15 ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☑

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	3	TOP Soil	
3	17	Solid CLAY	
17	30	SAND Gravel	
30	40	YELLOW SANDY CLAY	
40	90	BLUE SHALE	

Work started:
Work finished:
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: W. T. and Sons
Address: Caldwell, Idaho
Signed by:
License No. 55 Date:

63

FILMED
MAR 06 1992

5

Well Log Form 1
2K-2/63

Departure

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

SUBMIT WITHIN 30 DAYS AFTER COMPLETION OF WELL: SEE IDAHO STATUTES 42-2

Permit No. [illegible] Well No. ____ County Ada

Owner Ben E Studer

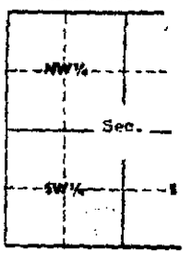
Address Route 1 Boise, Idaho

Driller Russell Lee

Address Boise, Idaho

Well location ____ ¼ ____ ¼ Sec. ____, T. ____ N/S, R. ____ E/W

Locate well in



Size of drilled hole 17" to 340' 10" 340' to 685'

Total depth of well 685'

Give depth to standing water from the ground Flowing Water temp. 82.5 °Fahr.

Test delivery was 900 g.p.m. or ____ c.f.s. Drawdown was ____ feet. Pump? ____ Bail? ____

Size of pump and motor used to make test None

Length of time of test. ____ hours ____ minutes.

If flowing well, give flow ____ c.f.s. or 900 g.p.m. and of shut off pressure 5 lb.

If flowing well, described control works 6" Gate Valve (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Domestic irrigation. Weight of casing per lineal foot ____

Thickness of casing Various Casing material Steel (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 12" 8 rd thd 0 to 340' 8" casing 340 to 685
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—casis, grouting, etc.
12"	0'	340'	340'	above ground Casing set in hard blue shale
8"	321'	685'	367'	8" Csng wt. 12' at 321' from ground

Number and size of perforations 3/32" dia perforations drilled ____ feet to ____ feet from ground
perforations 633' to 685'

Date of commencement of well August 1964 Date of completion of well Aug. 12 1964

MICROFILMED
MAR 06 1992

(6)

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Abn. Yes or No	Casing Perforated
0'	35'	Brown clay	No	No
35'	240'	Blue Shale	No	No
240'	245'	Sand & some pea gravel	Yes	Yes
245'	640'	Blue Shale	No	No
640'	648'	pea gravel & coarse sand	Yes	Yes
		If more space is required use Sheet No. 2		

MICROFILMED
MAR 0 6 1992

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is complete, true and correct to the b
my knowledge and belief.

Signed Russell Crow

By

License No. 65

Dated August 15 1964

Well Driller's Helper

(6A)

238-7

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.

1. WELL OWNER

Name Judy Brockway

Address Hiway 55 Boise 83703

Owner's Permit No. _____

2. NATURE OF WORK

[X] New well [ ] Deepened [ ] Replacement
[ ] Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

[X] Domestic [ ] Irrigation [ ] Test [ ] Municipal
[ ] Industrial [ ] Stock [ ] Waste Disposal or Injection
[ ] Other _____ (specify type)

4. METHOD DRILLED

[X] Rotary [X] Air [ ] Hydraulic [ ] Reverse rotary
[ ] Cable [ ] Dug [ ] Other _____

5. WELL CONSTRUCTION

Casing schedule: [X] Steel [ ] Concrete [ ] Other _____

Thickness	Diameter	From	To
.250 inches	6 inches	+ 18" feet	130 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? [ ] Yes [X] No
Was a packer or seal used? [ ] Yes [X] No
Perforated? [ ] Yes [X] No
How perforated? [ ] Factory [ ] Knife [ ] Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? [ ] Yes [X] 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 [X] No [ ] Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 13 Material used in seal: [ ] Cement grout [ ] Bentonite [X] Puddling clay [X] Cuttings
Seating procedure used: [ ] Slurry pit [X] Temp. surface casing [X] Overbore to seal depth
Method of joining casing: [ ] Threaded [X] Welded [ ] Solvent Weld [ ] Cemented between strata
Describe access port well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

W E

S

Subdivision Name MISDRILLED

Lot No. _____ Block No. _____

MAR 06 1992

Twp. 5N Rge. 2E Sec. 26

_____ ¼ _____ ¼ Sec. 26 T. 5 N. R. 2 E.

ADD ADDITIONAL SHEETS IF NECESSARY — INDICATE THE WATER FLOW ON THIS PAGE

7. WATER LEVEL

Static water level 0 feet below land surface
Flowing? [ ] Yes [X] 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 [X] Air [ ] Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
100	20	1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	40	brown clay		X
	40	117	gray clay		X
	117	119	fine black sand (5 GPM)	X	
6	119	235	light blue clay		X
	235	238	light gray sand (8 GPM)	X	
	238	450	light blue clay		X
	450	460	coarse granite sand	X	

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JUN 22 1987
Department of Water Resources

RECEIVED
JUN 23 1987
Department of Water Resources
Western Regional Office

10.

Work started 6/4/87 Finished 6/5/87

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Driller's Name J.D. Stevens & Son License No. 153
Address 2709 Hawthorne BB Date 6/16/87
Signed by (Driller or Official) _____
Title _____
Contractor _____

ADD ADDITIONAL SHEETS IF NECESSARY — INDICATE THE WATER FLOW ON THIS PAGE

7

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of this well.

RECEIVED
NOV 29 1971
Department of Water Administration

1. WELL OWNER

Name Jack Torrey
Address RFD Boise, Idaho
Owner's Permit No.

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☑ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 45 feet
Casing schedule: ☑ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	8 inches	+1 feet	45 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a gravel or sand used? ☐ Yes ☑ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☑ Torch
Size of perforations ¼ inches by 6 inches

Number	Perforations	From	To
160	perforations	40 feet	30 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? ☑ Yes ☐ No To what depth? 18 feet
Material used in seal ☐ Cement grout ☑ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



7. WATER LEVEL

Static water level 15 feet below land surface
Flowing? ☐ Yes ☑ No G.P.M. flow
Temperature ° F. Quality
Artesian closed-in pressure p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Other

Discharge G.P.M.	Drawdown	Hours Pumped
40	5"	½

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water Lbs.
12"	0	18	BROWN CLAY		
8"	18	22	BROWN CLAY		
8"	22	30	SAND & GRAVEL	☑	
8"	30	45	BLUE CLAY		

PERFORATED
MAR 06 1992

10. Date work started 11-27-71 Completed 11-29-71

11. CONTRACTOR'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Johnson & McKee

8

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

RECEIVED

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

1. WELL OWNER

Name Wayne Miller

Address Rt 1 Beacon Light Road

Owner's Permit No. Boise Ida.

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☑ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 203 feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 inches	+1.5 feet	60.5 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was a packer or seal used? ☐ Yes ☑ No

Perforated? ☐ Yes ☑ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ 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 ____

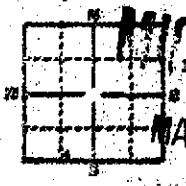
Placed from ____ feet to ____ feet

Surface seal? ☑ Yes ☐ No To what depth 44 feet

Material used in seal ☐ Cement grout ☑ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



63

MICROFILMED
MAR 06 1992

County Ada

NW ¼ SE ¼ Sec. 24 T. 4 N R. 1 W

7. WATER LEVEL

Static water level 46 feet below land surface

Flowing? ☐ Yes ☑ No G.P.M. flow ____

Temperature ____ ° F. Quality ____

Artesian closed-in pressure ____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
	0	1	Sandy brown top soil		X
	1	23	Sandy brown clay		X
	23	28	Coarse brown sand		X
	28	48	Brown clay and streaks of brown and quartz sand		X
	48	54	Medium to coarse brown & quartz sand and pea gravel	X	X
	54	59	Dark brown cemented sand and gravel		X
	59	65	Light brown clay		X
	65	99	Light blue clay		X
	99	111	Brown clay		X
	111	112	Very fine blue, black & brown sand	X	
	112	119	Light blue clay		X
	119	120	Very fine blue, black & brown sand	X	
	120	149	Light blue clay		X
	149	150	Very fine blue, black & brown sand	X	
	150	164	Light blue clay & streaks of brown clay		X
	164	165	Very fine blue, black quartz sand	X	
	165	203	Light blue clay		X

10.

Work started 7/12/73 finished 8/2/73

DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Name [illegible] Jones Inc.

Address [illegible]

Signed [illegible]

Date [illegible]

9

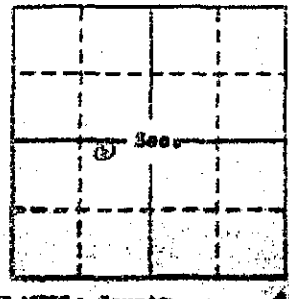
Received 1-6-69 Reclamation

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Bob Wood (375-5246)
Address Dry Creek
Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: Dom
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other
CASING SCHEDULE: Threaded ☐ Welded ☑
6 "Diam. from 0 ft. to 40 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: Stn Material:
Steel ☑ concrete ☐ wood ☐ other ☐
PERFORATED? Yes ☐ No ☑ Type of perforator used:
Size of perforations: by
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☑
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐ No ☐ size of gravel: Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal: Bentonite
Did any strata contain unusable water? Yes ☐ No ☑ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☐ No ☐
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County Ada
NW¼ SW¼ Sec. 34 T. 4N R. 2E B.M.
Has other site been developed? If so, where?

Size of drilled hole: 6 Total depth of well: 100 Standing water level below ground: 30 Temp. Fahr. Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test: Owner's well rig
Length of time of test: hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐ No control ☐ Does well leak around casing? Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	3	Top soil	no
3	35	Sand & clay	no
35	100	Grey clay	no
100	—	Fine white sand	yes

Work started:
Work finished: 1-6-69
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name:
Address: Donald F. Bolton
Signed by:
License No. 77 Date:

RECEIVED
MAR 06 1992
USGS

(10)

RECEIVED
NOV 29 1988
Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED
NOV 08 1988
Department of Water Resources

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 Scott Tabbitt

Address Brookside Lane

Owner's Permit No. 63-88-Z-139

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	6 inches +	1 feet	59 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

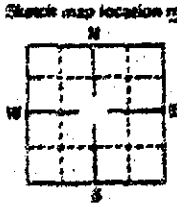
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number		From	To
_____	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 59 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 MICROFILMED
Lot No. _____ Block No. _____
MAR 06 1992
County Ada
S/W ¼ S/W ¼ Sec. 26 T. 5 ☐N ☐S R. 1 ☐E ☐W

7. WATER LEVEL

Static water level 59 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
12	250	1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	42	brown clay		X
	42	540	blue clay		X
			130 water streak		
			330 water streak		
			538 water streak		

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NOV 23 1988
Department of Water Resources
Western Regional Office

10.

Work started 9/13/88 finished 9/20/88

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name W.E. Stevens & Sons Inc. No. 153
Address 3709 Hawthorne Dr Date 9/27/88
Signed by (Firm Official) Wayne Patterson
and
(Operator) _____

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

(11)

Form 238-7
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

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 Gene Merkel

Address

Owner's Permit No.

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	50 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 3 inches by 1/4 inches

Number	From	To
30 perforations	45 feet	50 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 18 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

N
W E
S

Subdivision Name
Lot No. Block No.
County

7. WATER LEVEL

Static water level 45 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
50		1

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	5	Top Soil		
	5	30	Sandy Clay	X	
	30	50	Silt & Gravel		

RECEIVED
APR 29 1985
Department of Water Resources
Western Regional Office

RECEIVED
APR 29 1985
Department of Water Resources

MICROFILMED
MAR 06 1992

10. Work started Completed

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the well was completed.

Firm Name Firm No.
Address Date
Signed by (Firm Official)
and
(Operator)

12

RECEIVED

NOV 13 1968

Department of Reclamation

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name W E CAMERON
Address Nampa Idaho

Owner's Permit No. 7178
NATURE OF WORK (check): Replacement well ☐
New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for: Irrigation
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☐
Dug ☐ Other ☐ (explain)

CASING SCHEDULE: Threaded ☐ Welded ☐
12 "Diam. from 0 ft. to 37 ft.
____ "Diam. from ____ ft. to ____ ft.
____ "Diam. from ____ ft. to ____ ft.
____ "Diam. from ____ ft. to ____ ft.
Thickness of casing: .250 Material:
Steel ☑ concrete ☐ wood ☐ other ☐ (explain)

PERFORATED? Yes ☐ No ☐ Type of perforator used:

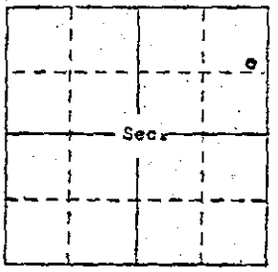
Size of perforations: ____ " by ____ "
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name JOHNSON'S
Type ARMCO Model No.
Diam. 12" Slot size #0 Set from 35 ft. to 45 ft.
Diam. ____ Slot size ____ Set from ____ ft. to ____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No. ☑ size of gravel ____ Gravel placed from ____ ft. to ____ ft. Surface seal provided? Yes ☐ No ☐ To what depth? 20 ft. Material used in seal: Clay

Did any strata contain unusable water? Yes ☐
No. ☑ Type of water: ____
Depth of strata ____ ft. Method of sealing strata off:

Surface casing used? Yes ☐ No. ☑
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County ____
NE¼ NE¼ Sec. 34 T. 5 N/S R. 1 E/W

Use other side for additional remarks

Size of drilled hole: 12" Total depth of well: 45 Standing water level below ground: 7 Temp. Fahr. ____ ° Test delivery: 780 gpm or ____ cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test: Turbine
Length of time of test: 2 Hrs. 30 Min.
Drawdown: 30 ft. Artesian pressure: ft. above land surface ____ Give flow ____ cfs or ____ gpm. Shutoff pressure: ____
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☑

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	4	Top Soil	
4	30	Sand Silt & Clay	
30	49	Coarse Sand Sand & Gravel	yes
49	68	Blue Shale	

Work started: Oct 1968
Work finished: Nov 1968
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: Kenneth White
Address: R#4 Caldwell, Idaho
Signed by: Kenneth White
License No. 55 Date: 11/8/68

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(13)

1. WELL OWNER

Name [redacted] Well

Address Beacon Light Rd. Eagle Rd.

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 43 feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	inches +	1 feet	40 feet
inches	inches	feet	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 inches by inches

Number	From	To
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 20 ft. Material used in seal ☐ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. 63

N / W / E / S

Subdivision Name

Lot No. Block No.

County Ada

SE ¼ SE ¼ Sec. 34 T. 5 N/S, R. 1 E/W

7. WATER LEVEL

Static water level 15 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA -- Complete

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
50	5 ft.	2

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
9	0	2	Top Soil		X
9	2	12	Brown clay		X
9	12	20	Sandy Brown Clay		X
6	20	34	Sandy Brown Clay		X
6	34	43	Sand & Gravel	X	

10. Work started Oct. 25 finished Oct 25, 1977

11. DRILLERS CERTIFICATION

Firm Name Con-Ad Well Drilling Firm No. 304

Address Box 328 Date 10/25/78

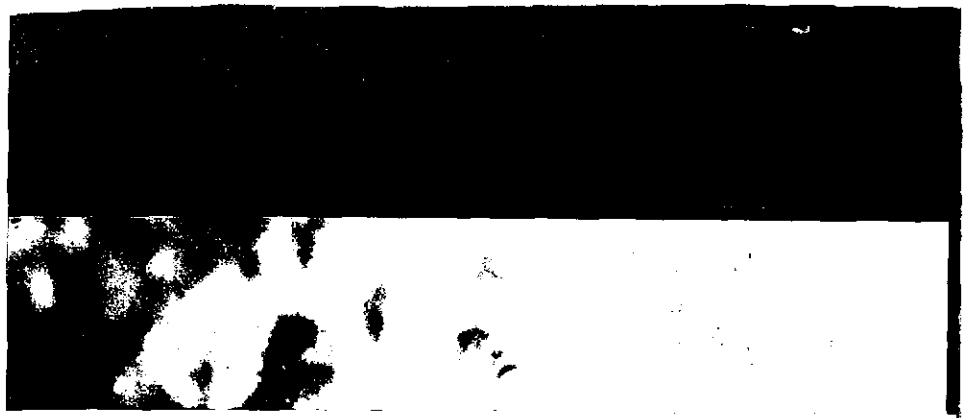
Signed by (Firm Official) Earl Kinney

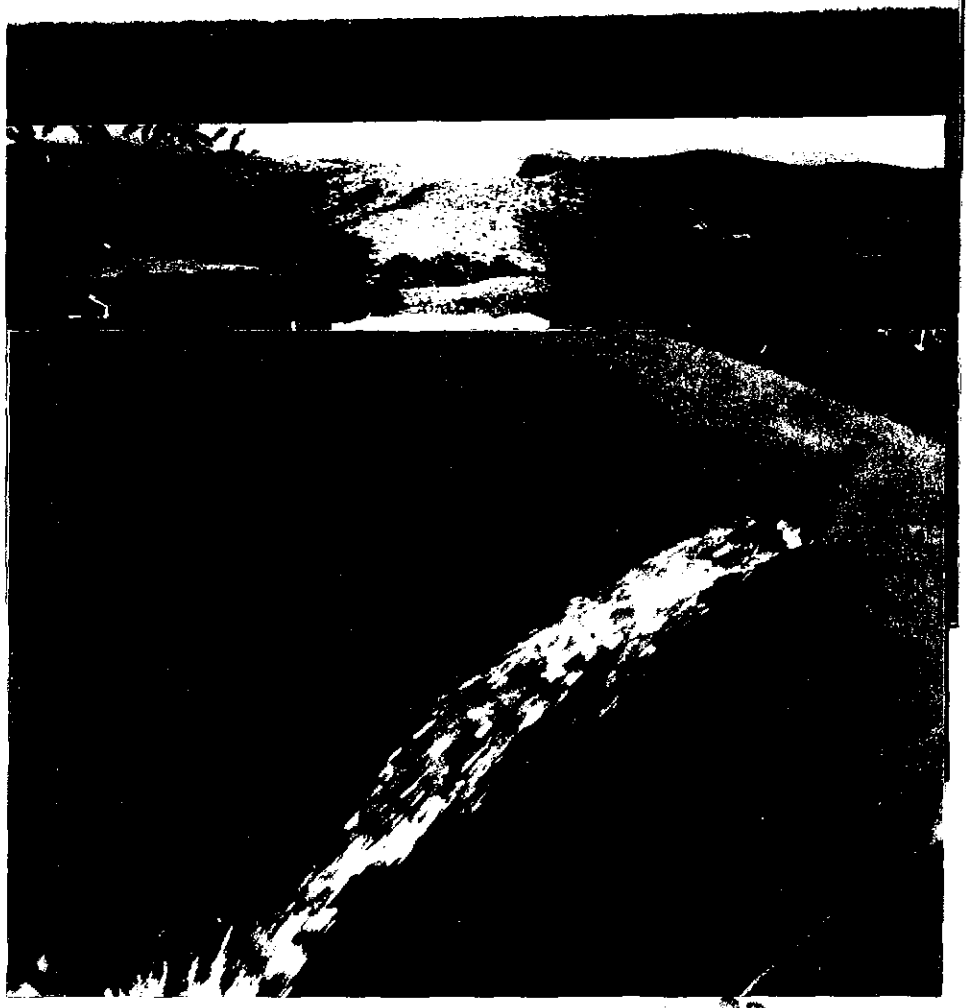
and (Operator) Earl Kinney

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

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MAR 06 1992





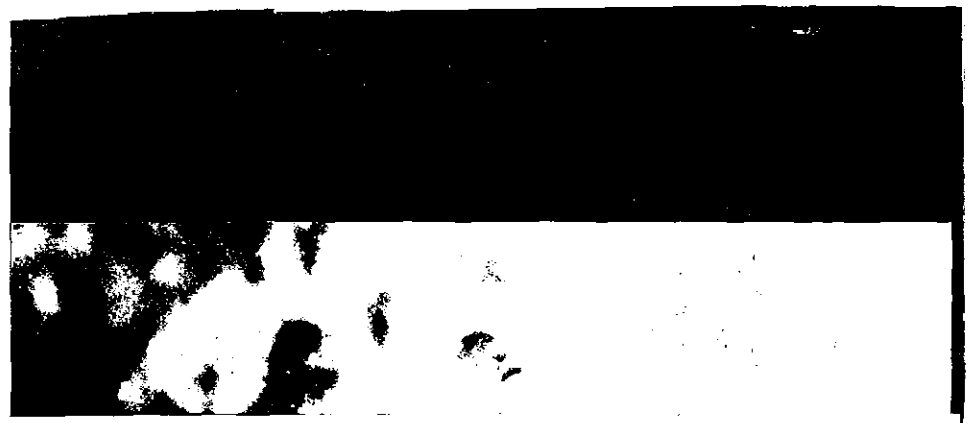
Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

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Exhibits

1. 2A General Area
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Applicant's Ex.

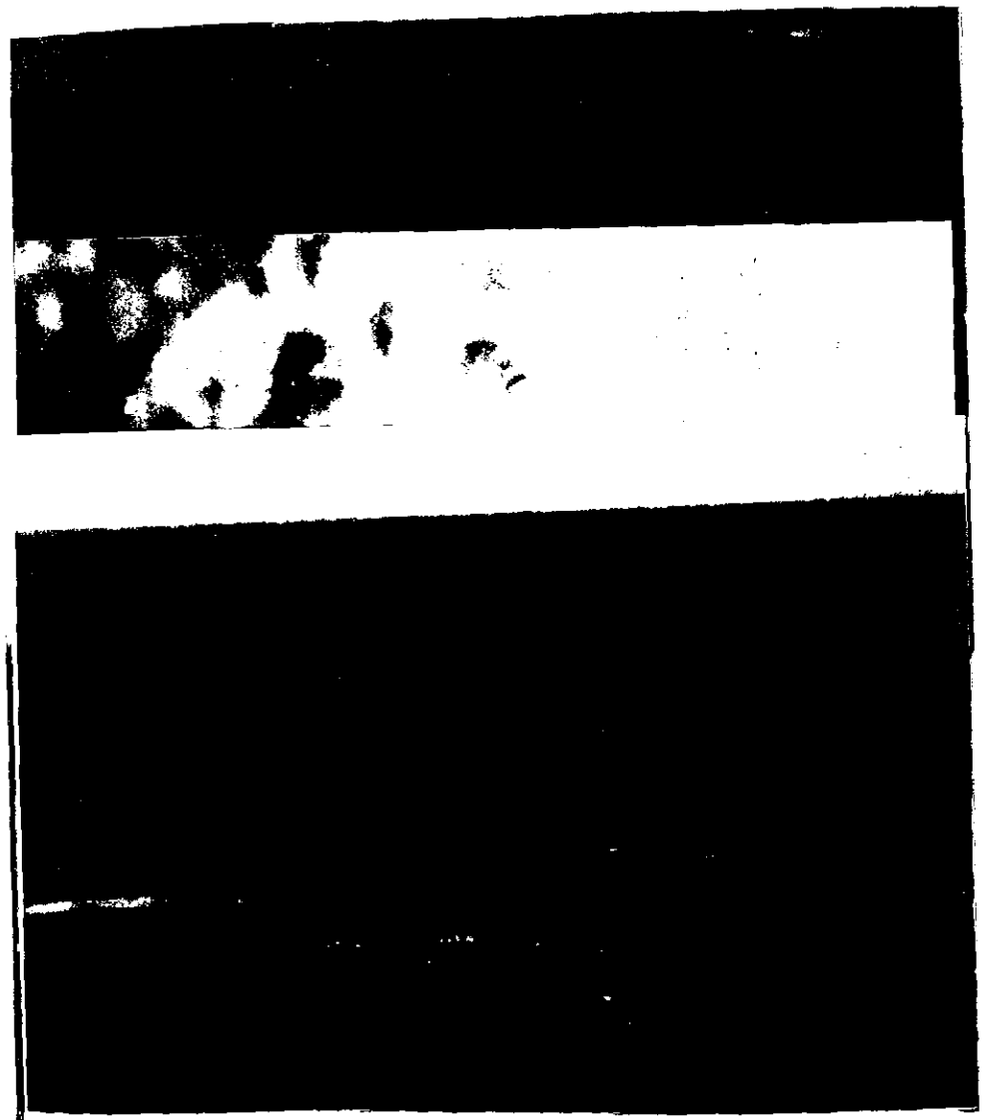
2E

Admitted by LGS
8/29/91

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MAR 06 1992

Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool



Applicant's Ex.
2D

Admitted by LGS
8/29/91

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Applicant's Ex.
2 C
Admitted by 8/29/91



Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

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Applicant's Ex.
2B

Admitted by LGS
8/29/91



Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

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Applicant's
EX. 2A

Admitted by LGS
8/29/91

Exhibits

1. 2A General Area
2. 2B Flow from well
3. 2C Fish ponds
4. 2D Irrigation area
5. 2E Water flowing into swimming pool

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PLEASE NOTE-----

THE ENCLOSED PERMIT IS YOUR PERMIT. PLEASE SIGN IT ON THE APPROPRIATE LINE AND KEEP FOR YOUR RECORDS OR IF NEEDED TO SHOW TO ANYONE. WE HAVE YOUR SIGNATURE ON THE APPLICATION AND THAT IS SUFFICIENT. THANK YOU.

REGION 3

Applicants Exhibit No. 3
1 of 2
Admitted by LGS
8/29/91

CE-30 (Revised 05-90)

STATE OF IDAHO
DEPARTMENT OF FISH AND GAME
PRIVATE FISH POND PERMIT

As provided for in Chapter 7, Title 36, Idaho Code, a Private Fish Pond Permit is hereby issued to:

Wallace R. Connolly	4983 Brookside Lane	Boise,	Idaho	83703
INDIVIDUAL'S NAME	ADDRESS	TOWN	STATE	ZIP

3-99	939-0441	
REGIONAL POND NUMBER	DAYTIME TELEPHONE	EVENING TELEPHONE

To establish and/or maintain a private fish pond(s) on property:

(XXX) Owned by Operator

(___) Leased from: _____
Name Address Town State Zip

(___) Utilized under cooperative agreement with: _____
Landowner Address Town State Zip

Water Source: Geothermal Well
(Spring, stream diversion, well, etc.)

Water Source is on: Dry Creek
(Watershed, location)

Discharge Flow: 1 (CFS) Discharge Flows into: 5 ponds (Stream or lake)

County Ada Twnship 5N Range 1E Sec. 27 Qrt. Sec. SE¼

Description of fish production waters or pond(s) and location as to direction and distance from definite landmark: 1 mile southwest of house. Ponds do not connect upstream or downstream to any other water source.

Species of Fish: Atlantic Salmon(landlocked) Source of Fish: _____

I, the undersigned applicant, understand and accept the provisions of the Idaho Code contained on this application.

Wallace R Connolly
Signature of Applicant

OWNER

MAR 06 1992

IDAHO DEPARTMENT OF FISH AND GAME
Jerry M. Conley, Director
By Don E Wright

Date July 10, 1991

CE-30 (Revised 05-90)

2 of 2

STATE OF IDAHO
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Name Address Town State Zip

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Landowner Address Town State Zip

Water Source: Geothermal Well
(Spring, stream diversion, well, etc.)

Water Source is on: Dry Creek
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I, the undersigned applicant, understand and accept the provisions of the Idaho Code contained on this application.

Wallace R Connolly
Signature of Applicant

OWNER
Title and Organization

7-10-91
Date

IDAHO DEPARTMENT OF FISH AND GAME
Jerry M. Conley, Director

By Don E Wright

Date July 10, 1991

Approved by:

signed by Clay Cummins
Signature

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THIS PERMIT EXPIRES ON JUNE 30 IN EACH EVEN-NUMBERED YEAR.

PVTPOND

Admitted by LGS 8/29/91 (2) on big crack map

Applicant's Exhibit No. 4

• MUST BE POSTED ON PREMISES •

ADA COUNTY ZONING CERTIFICATE

Certificate No. 83-377

This Certificate Does Not Permit Construction, EXCEPT: Farm Outbuildings.

Date 7/29/83

Owner	Address	Owner Phone
Geotech Systems	P.O. Box 308 Boise, ID 83616	344-4343
Builder	**Address**	**Builder Phone**
Same	—	—

Location and Property Description: Portion of SW¼ SE¼ SE¼ Section 27, T5N-R1E — Zone: G-1

Proposed Use: Two (2) Ponds (Identified as ponds 1 and 2 on attached plans approved by Chris Kotte, dated 7/29/83)

☒ AGRICULTURE ☐ RESIDENTIAL ☐ INDUSTRIAL ☐ COMMERCIAL ☐ UTILITY ☐ OFFICE ☐ SIGNS

☒ PRINCIPAL PERMITTED ☐ ACCESSORY ☐ PLANNED DEVELOPMENT ☐ PUBLIC ☐ CONDITIONAL ☐ VARIANCE

Type of Residential Structure

☐ SINGLE FAMILY ☐ DUPLEX ☐ MULTI-FAMILY ☐ PLANNED UNIT DEVELOPMENT ☐ MOBILE HOME

Class of Street	SETBACKS	Front	Flanking Street	Side	Rear

Minimum Lot Size	Minimum Street Frontage	Minimum Lot Depth	Maximum Building Height	% of Lot Coverage

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Type of Water Service	Type of Sewerage Service	Estimated Construction Costs
		$

When application for Service is made to the following agencies and utilities, those marked ☒ will require proof of issuance of this certificate.

- ☐ CENTRAL DISTRICT HEALTH
- ☐ IDAHO POWER COMPANY
- ☐ INTERMOUNTAIN GAS COMPANY
- ☐ MOUNTAIN BELL TELEPHONE
- ☐ BOISE WATER CORPORATION
- ☐ STATE PLUMBING BOARD
- ☐ STATE ELECTRICAL BOARD
- ☐ COUNTY BUILDING DEPARTMENT

#12.00 PAID 2181 COUNTY ZONING

This certificate is issued subject to the regulations contained in the zoning ordinance and all other applicable laws, regulations, codes and ordinances, and that the work will be done in accordance with the plans specifications and in compliance with all such applicable laws, regulations, codes and ordinances.

The issuance of this certificate shall not prevent the building official from thereafter requiring the correction of errors in said plans and specifications; or from preventing building operations being carried on thereunder when in violation of any such laws, regulations codes or ordinances.

The building officer, may in writing, suspend or revoke a certificate issued under provisions of said regulations, codes or ordinances, whenever the certificate is issued in error; or on the basis of incorrect information supplied; or in violation of the provisions of any law, regulation, code or ordinance.

I HEREBY CERTIFY that the above information is complete and correct to the best of my knowledge and, further, I will abide by the terms and conditions contained in this certificate.

IN ACCORDANCE WITH CHAPTER 28.064, ORD. # 33, THIS CERTIFICATE IS INVALID ONE YEAR FROM DATE ISSUED.

ADA COUNTY
LOCAL PLANNING ADMINISTRATION

Approved: Donald R Burton

Applicant or Agent: x Joanne Marsden

Address:

Admitted by LGS 8/29/91 — Applicants' Exhibit No. 5

BUILDING PERMIT ADA COUNTY

DATE 29 July 1983 No 0202253

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT FOR THE WORK HEREIN INDICATED OR AS SHOWN AND APPROVED IN THE ACCOMPANYING PLANS AND SPECIFICATIONS.

OWNER Geotech Systems ADDRESS P.O.Box 308 83616 OWNER PHONE 344-4343

BUILDER SAME ENGINEER ARCHITECT BUILDER PHONE

STRUCTURE: ☐ NEW ☐ REMODEL ☐ ADDITION ☐ REPAIR ☐ RENEWAL ☐ FIRE DAMAGE ☐ MOVING

GRADING ☐ PATIO ☐ CAR PORT ☐ GARAGE ☐ STORAGE ☐ SLAB ☐ FENCE ☐ ROOF ☐ SIDING ☐ DEMOLITION

OCCUPANCY _____ LAND USE ZONE G-1 BLDG. TYPE _____ OCC. LOAD _____ FLOOR LOAD _____

LOT: BLK: SUB: SW¼, SE¼, SE¼, SEc.27, T5N, R1E ADDRESS:

S.F. _____ BEDROOMS: _____ GARAGE: _____ WOODSTOVE/FIREPLACE: _____

WELL: _____ SEPTIC TANK (C.D.H. APPROVAL REQ'D): _____ UNFINISHED S.F: _____

CENTRAL WATER: _____ CENTRAL SEWER (RECEIPT OF PAYMENT REQ'D): _____

ZONING CERT: 83-377 T.D/C.U: _____ MISCELLANEOUS STRUCTURE: _____

OTHER: Two (2) ponds (identifies ad ponds 1 and 2 on attached plan approved by Chris Korte, dated 7/29/83.) SETBACKS: F: R: S: FL:

Fee paid under #201966

ADA COUNTY BUILDING DIV. 650 MAIN ST BOISE ID. 383-4423

THIS PERMIT IS ISSUED SUBJECT TO THE REGULATIONS CONTAINED IN THE BUILDING CODE, ZONING REGULATIONS AND ALL APPLICABLE CODES AND ORDINANCES, AND IT IS HEREBY AGREED THAT THE WORK WILL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES. THE ISSUANCE OF THIS PERMIT DOES NOT WAIVE RESTRICTIVE COVENANTS. THIS PERMIT WILL BECOME NULL AND VOID IF WORK IS NOT STARTED WITHIN 180 DAYS OR WORK ABANDONED FOR 180 DAYS.

DATE 7/29/83 Donna D Woods
APPLICANT OR AGENT

VALUE	
Permit Fee	
Plan Check Fee	
Total Fee	
Director APPROVED	

FILED MAR 06 1992

RECEIVED
AUG 27 1991
Department of Water Resources
Western Regional Office

26 August 1991

4400 Brookside Ln.
Boise, Idaho 83703

David R. Tuthill, Jr., P. E.
Manager, Western Regional Office
Water Resources Board
2735 Airport Way
Boise, Idaho 83705-5082

Dear Mr. Tuthill:

We are writing this letter in regards to the hearing scheduled for Thursday, August 29, 1991, in the matter of application for Permit No. 63-11505 in the name of Wallace R. &/or Eda Rae Connolly. We are unable to attend the hearing due to obligations with our jobs.

We do have some concerns regarding this application that we hope you will take into consideration before granting the permit for water use as proposed in the application.

1. Our well which we are currently using has water coming into it at the 40 foot level. We have another well on our property which is at a level of 560 feet deep which does not have enough water in it for household use. We are very concerned that extensive use by Mr. Connolly in his well will not lower or deplete the water supply that we now have. Since we are neither hydrologists or geologists, we have to rely on the studies that your people either do or have done to insure that the proposed use of his well will not harm our water supply.

2. We would urge you to check his use of his water supply from time to time to insure that he is not using more than has been granted by this permit and that he is using the water for purposes as intended by this permit. In previous dealings with Mr. Connolly, we have found that he does not always keep above board in his proposals nor adheres with the guidelines as set forth by various agencies.

3. Lastly, we strongly urge a through and complete water study to be done by the proper agency of our entire area before granting a permit as proposed in this application.

Sincerely,

Marvin & Joanne Lewis

Marvin & Joanne Lewis

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BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR PERMIT NO. 63-11505 IN THE NAME OF WALLACE R. &/OR EDA RAE CONNOLLY	NOTICE OF HEARING

On April 1, 1991, Wallace R. &/or Eda Rae Connolly filed with the Department of Water Resources an application for permit to appropriate the public waters of the State of Idaho. The application was protested by John &/or Pearl Compton, W. Scott Neal, A.R. Mason, Marvin &/or Joanne Lewis, Sandra Schubert, Milan &/or Joyce Jackson and Gustave &/or Helen Weisshaupt, and a conference was held by the Department on July 17, 1991.

The Department has now set the matter of protest for a hearing to be held on Thursday, August 29, 1991, at 1:30 p.m. in the Second Floor Conference Room, Department of Water Resources, 1301 N. Orchard St., Boise, Idaho 83706. The hearing will be held in accordance with provisions of Chapters 2 and 17, Title 42, and Chapter 52, Title 67, of the Idaho Code, the adopted Rules of Practice and Procedure of the Department of Water Resources, and Rules 4 and 5 of the adopted Rules and Regulations of Water Appropriation of the Department of Water

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Resources. Opportunity shall be afforded all parties to respond and present information and argument on all issues involved.

Dated this 29th day of July, 1991.

David R. Tuthill Jr.
DAVID R. TUTHILL, JR., P.E.
Manager, Western Regional Office

I hereby certify that on the 29th day of July, 1991, I mailed a true and correct copy, postage prepaid, of this document to the applicant(s) and protestant(s) listed:

Sue Taylor
Sue Taylor
Secretary

Certified Mail

Wallace & Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID

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HEARING INFORMATION
IN THE MATTER OF APPROVAL OF AN APPLICATION FOR PERMIT

In accordance with Idaho Code, Section 42-203, the following issues are involved in the consideration of the application and protest(s):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use conflict with the local public interest?
6. Will the proposed use be contrary to conservation of water resources within the State of Idaho?

Any party may request in writing five (5) days before any hearing that the oral proceedings thereof be taken in the form of stenographic notes at the expense of the requesting party. Any party may have such stenographic notes of the oral proceedings, or part thereof, transcribed at his own expense. A tape record of the proceedings will be maintained for the appeal period.

If the hearing is conducted by a hearing officer appointed by the Director, rather than the Director himself, a proposed decision will be submitted to the parties and the parties may be afforded an opportunity to file exceptions to the proposed decision and present briefs and oral arguments to the Director prior to the issuance of a final decision by the Director. This procedure is required by Idaho Code, Section 42-1701A.

The parties by written stipulation may waive their right to a proposed decision, however, the failure of either party to waive a proposed decision will not prejudice the Director's review of a party's evidence and arguments. However, such a waiver will shorten the decision-making process and may expedite substantially the issuance of a final decision. Whether compliance with Section 42-1701A is waived will not affect a party's right to petitition for a rehearing of the final decision pursuant to Rule 11 of the Department's Rules of Practice and Procedure or affect a party's right to appeal the final decision to the district court.

Under the provisions of the Idaho Code, Sections 42-1701A and 67-5215, any court review of the Department's decision on appeal shall be confined to the record created before the Department.

Failure to appear at the time and place set for hearing by the applicant or protestant(s) may allow the Department to dismiss without prejudice the protest(s) or the application. Any and all cost incurred by reason of such non-appearance may be assessed against such non-appearing parties.

MAR 16 1992

Notes for Conference 63-11505 by D. Tuthill

7/17/91 1:30 pm

Protestants of Record	Appeared
John & Pearl Compton	½
W. Scott Neal	✓
A.R. Mason	✓
Marvin & Joanne Lewis	
Sandra Schubert	Letter
Milan & Joyce Jackson	½
Gustave & Helen Weisshaupt	✓

Applicant Wallace Connolly appeared

Wallace Connolly

Well was designed, drilled and constructed under the review of IDWR (H2O Drilling, owned by Connolly's)

- Not enlarging anything for fish prop. done since 1979

Irrigation - 20 acres now irrigated -
Capitol View Irr Dist water - Sec 34
New app is for supplemental use early and late
- Could become primary use

Fish Propagation - Use existing ponds
- size = 5.5 AF

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Domestic use - existing plus 4 more
Heating - 5 houses

Temp = 140°F

Concerns of Protestants

1. Taking water from aquifer
2. Water is to be taken to another drainage
3. No reports from water experts
4.

1, 2, ~~3,4~~ 5

Set Hearing for Last week of Aug.

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P-581 149 873

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED

[redacted]ave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID 83703

U.S.C

Postage	$ .29
Certified Fee	1.—
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.—
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 1.29

[redacted]ark or Date

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 872

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

[redacted]lan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Postage	$ .25
Certified Fee	1.—
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.—
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.29
[redacted]ark or Date	

MAR 6 1989

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fee for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 871

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

MAR 06 1992

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.29
ark or Date	

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is [redacted]ted, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 870

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$2.29
Postmark or Date	

MAR 06 1992

BOISE, IDAHO

U.S.

S Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees [redacted] the services requested in the appropriate spaces on the front of this receipt. If return receipt is re[redacted], check the applicable blocks in Item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 869

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED

[redacted] R. Mason
4241 Brookside Lane
Boise, ID 83703

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.29
[redacted]mark or Date	

MAR 06 1989

U.S.

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

2. If you do not want this receipt postmarked; stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 868

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

[redacted] Scott Neal
4401 Brookside Lane
Boise, ID 83703

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.29
[redacted]mark or Date	

MAR 8

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 867

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2 29
mark or Date	

MAR 06 1992

UNCLAIMED

PS Form 3800, June 1985 U.S.

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. – (no extra charge)

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt [redacted]ested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 866

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

y [redacted]allace & Eda Rae Conn
4983 Brookside Lane
Boise, ID 83703

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.29
[redacted]mark or Date	

MAR 06 1992

POSTMARKED

U.S.

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

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3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

63-11505

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

4. Article Number
P 581 149 868

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Mrs. Scott Neal

6. Signature — Agent
X

7. Date of Delivery
JUN 30 1991

8. Addressee's Address *(ONLY if requested and fee paid)*

NOV 06 1992

PS Form 3811, Apr. 1989 ★U.S.G.P.O. 1989-2: I-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 31 1991

Department of Water Resources
Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

MAR 06 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

4 63-1150

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

4. Article Number
P 581 149 869

Type of Service:
- ☐ Registered
- ☑ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ COD
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee agent and DATE DELIVERED.

5. Signature — Addressee
X A.R. Mason

6. Signature — Agent
X

7. Date of Delivery
7/30/91

8. Addressee's Address *(ONLY if requested and fee paid)*

MAR 06 1992

MISSOULA, MT

PS Form 3811, Apr. 1989 ★U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 31 1991

Department of Water Resources
Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

RETURNED

MAR 06 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

65 1/3 v 5

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

4. Article Number
P 581 149 871

Type of Service:
- ☐ Registered
- ☐ Insured
- ☑ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X Sandra Schubert

6. Signature – Agent
X

7. Date of Delivery
7/30/91

8. Addressee's Address *(ONLY if requested and fee paid)*

MAR 06 1992

MISSOULA MT

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-235-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES P[illegible]L SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 3 1 1991

Department of Water Resources
Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

MAR 0 6 1992

63-11505

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

4. Article Number
P 581 149 867

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Pearl Compton

6. Signature — Agent
X

7. Date of Delivery
7/30/91

8. Addressee's Address *(ONLY if requested and fee paid)*

9 0 8 8 W 1992

MICROFILMED

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete Items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 31 1991

Department of Water Resources
Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

MAR 06 1992

Print Sender's name, address, and ZIP Code in the space below.

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

63-11505

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID 83703

4. Article Number
P 581 149 823

Type of Service:
- ☐ Registered
- ☐ Insured
- ☑ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Gustave C. Weisshaupt

6. Signature — Agent
X

7. Date of Delivery
7/30/91

8. Addressee's Address *(ONLY if requested and fee paid)*

MAR 06 1992

PS Form 3811, Apr. 1989 ★U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 31 1991

Department of Water Resources
Western Regional Office



PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

MAR 06 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

63-11505

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

4. Article Number
P 358 149 872

Type of Service:
- ☐ Registered
- ☐ Insured
- ☑ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee and DATE DELIVERED.

5. Signature — Addressee
X

6. Signature — Agent
X

7. Date of Delivery
7/30/91

8. Addressee's Address *(ONLY if requested and fee paid)*

90 AUG 1992

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RETURN TO

RECEIVED

JUL 3 1 1991

Department of Water Resources
Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

Print Sender's name, address, and ZIP Code in the space below.

MAR [illegible] 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

63-11505

SENDER: Complete items 1 and 2 when additional services are desired, and comple 3 and 4.
Put your address in t ETURN TO" Space on the reverse side. Failure to do will prevent from being returned t . The return receipt fee will provide you the name of t son delivere the date of delivery. For additional fees the following services are available. Consult postmaster fo and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

4. Article Number
P 581 149 870

Type of Service:
- ☐ Registered
- ☐ Insured
- ☑ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee agent and DATE DELIVERED.

MAY 06 1992

5. Signature — Addressee
X Marvin Lewis

6. Signature — Agent
X

7. Date of Delivery
7/30/91

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

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RECEIVED
JUL 31 1991
Department of Water Resources
Water Resources Office

U.S.MAIL

PENALTY FOR PRIVATE
USE, $300

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)

Print Sender's name, address and ZIP Code in the space below.

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

63-11505

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Wallace & Eda Rae Connoll
4983 Brookside Lane
Boise, ID 83703

4. Article Number
P-581-149-866

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

8. Addressee's Address *(ONLY if requested and fee paid)*

5. Signature — Addressee
X W-Connoll

6. Signature — Agent
X

7. Date of Delivery
7-31-91

RECEIVED
AUG 01 1991
Department of Water Resources
Western Regional Office

PS Form 3811, Apr. 1989 ★U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

UNITED STATES P[illegible]L SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

[illegible]MED

MAR 0 6 1992

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

DEPARTMENT OF WATER RESOURCES

2735 AIRPORT WAY

BOISE, IDAHO 83705

Re: Wallace &/or Eda Rae Connolly, #63-11505

Place: ID Dept. or Water Resources, 1301 N. Orchard, Boise

Date: July 17, 1991

Hearing conducted by: David R. Tuthill, Jr.

ROSTER OF ATTENDANCE

Name	Address	Representing
Cullen Connolly	4277 Brookside Ln.	self
Wally Connolly	4983 Brookside Ln.	self.
Helen Weisshaupt	5005 Brookside Ln	self
Gus Weisshaupt	5005 Brookside Ln.	self
Ann Mason	4241 Brookside	self
AB Mason	4241 Brookside Lane	self
Pearl Compton	3550 Brookside	
Joyce Jackson	3953 Brookside	self.
Charlotte Snow	3744 Brookside	self
Joan Markle	3575 Brookside	self
W. Scott Neal	4401 BROOKSIDE LANE	SELF

MICROFILMED
MAR 06 1992

To: Mr. David R,Tuthill, Jr. , P.E.
Manager, Western Regional Office
Idaho Department of Water Resources
2735 Airport Way
Boise, Idaho 83705-5082

Dear Sir; July 16,1991

I want to understand completely the proposed intentions of Mr. Wallace Connoly in regard to his permit # 63-11505 for potential water source or sources of future development in and around my neighborhood.

I have respect for peoples privacy and personal endeavors upon their own property, but with water being so very precious and scarce and Mr. Connolly's property so large, I cannot help but be concerned with a possible water shortage.

As far as I know, there has been no water study done in this area and I believe a large development of any kind could hinder water supply. We live in the foothills on the N.W. side of Boise where water is already a problem for many. Mr. Connolly owns approximately 600 acres to the north of our neighborhood in the foothills.

Several families just south and running east and west of Mr. Connolly's property share an irrigation system and pond. It is stated in the corporation papers of this pond irrigating company that only approximately 64 acres shall be allowed on this system. I do not mean to suggest that Mr. Connolly would take the waterline north (there is simply not enough water), but I do want to insure that this would never be a possibility as his son's home and 24 acres are part of the system at the present time.

Now, as far as drilling new wells in the hills above us, if indeed this would be Mr. Connolly's intention, I believe the results would be disastrous to the already existing wells.

At the least I would desire exact information on the concrete intentions and full blown plan of Mr. Connolly's property usage and water sources. Also, a study of water availability in our area could prove once and for all that we cannot continue to drain from the earth more water than is existing.

I care deeply about protecting my water. It has never been so important to me and is, in fact, my livlihood. I could not function on less water and consider myself a person who tries to conserve and respect the value of water.

MICROFILMED
MAR 0 6 1992

Thankyou,

Sincerely,
Sandra Schubert

Sandra Schubert
4201 Brookside Lane
Boise, Idaho 83703

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR PERMIT NO. 63-11505 IN THE NAME OF WALLACE &/OR EDA RAE CONNOLLY	NOTICE OF CONFERENCE

On April 1, 1991, Wallace &/or Eda Rae Connolly filed with the Department of Water Resources an application for permit to appropriate the public waters of the State of Idaho. The application was protested by John &/or Pearl Compton, W. Scott Neal, A.R. Mason, Marvin &/or Joanne Lewis, Sandra Schubert, Milan &/or Joyce Jackson and Gustave &/or Helen Weisshaupt.

The Department has set the matter of protest for a conference on Wednesday, July 17, 1991, at 1:30 p.m., in the Second Floor Conference Room, Department of Water Resources, 1301 N. Orchard St., Boise, Idaho 83706. The conference will be held in accordance with provisions of Chapters 2 and 17, Title 42, and Chapter 52, Title 67, of the Idaho Code, the adopted Rules of Practice and Procedure of the Department of Water Resources, and Rules 4 and 5 of the adopted Rules and Regulations of Water Appropriation of the Department of Water

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Resources. Opportunity shall be afforded all parties to respond and present information and argument on all issues involved.

Dated this 8th day of July, 1991.

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

I hereby certify that on the 8th day of July, 1991, I mailed a true and correct copy, postage prepaid, of this document to the applicant(s) and protestant(s) listed:

Sue Taylor

Sue Taylor
Secretary

Certified Mail

Wallace & Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID

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CONFERENCE INFORMATION

IN THE MATTER OF APPROVAL OF AN APPLICATION FOR PERMIT

In accordance with Idaho Code, Section 42-203(A), the following issues are involved in the consideration of the application and protest(s):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use conflict with the local public interest?
6. Will the proposed use be contrary to conservation of water resources within the State of Idaho?

The intent of the conference is to resolve any conflicts regarding the proposed water appropriation in light of these five factors. The conference will not be recorded in an effort to promote full discussion of the issues. Possible resolutions are: (1) clarification of the issues resulting in a determination by all parties that the application is acceptable, (2) modification of the application to make it acceptable to the protestant(s), or (3) addition of acceptable restrictions or conditions of approval. If a resolution is not attainable, then a hearing will be set by the Department.

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MAR 06 1992

P-581 149 842

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

[redacted]vin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2 29
Postmark or Date	

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)

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4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requ[redacted] check the applicable blocks in Item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 845

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

[redacted]ohn & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

MAR 06 1992

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, June 1985

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6. Save this receipt and present it if you make inquiry.

P-581 149 846

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

[redacted]y Wallace & Eda Rae Conn
4983 Brookside Lane
Boise, ID 83703

Postage	[redacted]
Certified Fee	[redacted]
Special Delivery Fee	[redacted]
Restricted Delivery Fee	[redacted]
Return Receipt showing to whom and Date Delivered	[redacted]
Return Receipt showing to whom, Date, and Address of Delivery	[redacted]
TOTAL Postage and Fees	$ [redacted]
Postmark or Date	

MAR 06 1992

U.S

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

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6. Save this receipt and present it if you make inquiry.

P-581 149 844

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

. Scott Neal
4401 Brookside Lane
Boise, ID 8370

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

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6. Save this receipt and present it if you make inquiry.

P-581 149 843

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

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5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 841

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

[redacted]andra Schubert
4201 Brookside Lane
Boise, ID 83703

Postage	[redacted]
Certified Fee	MAY 1992
Special Delivery Fee	[redacted]
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	[redacted]
Return Receipt showing to whom, Date, and Address of Delivery	[redacted]
TOTAL Postage and Fees	$ 2.29
Postmark or Date	

PS Form 3800, June 1985

U.S.

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

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5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 840

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

[redacted]ilan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Postage	$ [illegible]
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.29
Postmark or Date	

MAR 06 1987

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

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5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is req[redacted] check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

P-581 149 839

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

t Gustave & Helen Weissh
5005 Brookside Lane
Boise, ID 83703

Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.29
Postmark or Date	

MAR 10 1987

PS Form 3800, June 1985

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

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4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Marvin & Joanne Lewis
4400 Brookside [illegible]
Boise, ID 83703

MAR 06 1992

4. Article Number 842

Type of Service:
- ☐ Registered
- ☐ Insured
- ☐ Certified
- ☐ COD
- ☐ Express Mail
- ☑ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Marvin Lewis

6. Signature — Agent
X

7. Date of Delivery
7-15-91

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 16 1991

Department of Water Resources

Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

Print Sender's name, address, and ZIP Code in the space below.

RETURN TO

MICROFILMED

MAR 06 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

A.R. Mason
4241 Brookside Lane
Boise, ID 8370[illegible]

4. Article Number

843

Type of Service:

- ☐ Registered
- ☐ Insured
- ☐ Certified
- ☐ COD
- ☐ Express Mail
- ☑ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

MAR 0 6 1992

5. Signature — Addressee

X A.R. Mason

6. Signature — Agent

X

7. Date of Delivery

3/7/92

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 *U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RETURN TO

RECEIVED
JUL 10 1991
Department of Water Resources
Western Region
RECEIVED

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

Print Sender's name, address, and ZIP Code in the space below.

MARK DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

4. Article Number
P 490

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☑ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Joyce E Jackson

6. Signature — Agent
X

7. Date of Delivery
JUL - 9 1991

8. Addressee's Address *(ONLY if requested and fee paid)*

MAR 0 6 1992

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

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- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 10 1991

Department of Water Resources
Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

MICROFILMED

Print sender's name, address, and ZIP Code in the space below.

MAR 06 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

MAR 0 6 1992

4. Article Number

845

Type of Service:

- ☐ Registered
- ☐ Insured
- ☑ Certified
- ☐ COD
- ☐ Express Mail
- ☑ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee

X Pearl C Compton

6. Signature — Agent

X

7. Date of Delivery

12-7-10

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

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- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 11 1991

Department of Water Resources
Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print sender's name, address, and ZIP Code in the space below.

MICROFILMED

MAR 06 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID 83703

4. Article Number

839

Type of Service:

- ☐ Registered
- ☑ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ COD
- ☑ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee

Gustave C. Weisshaupt

6. Signature — Agent

X

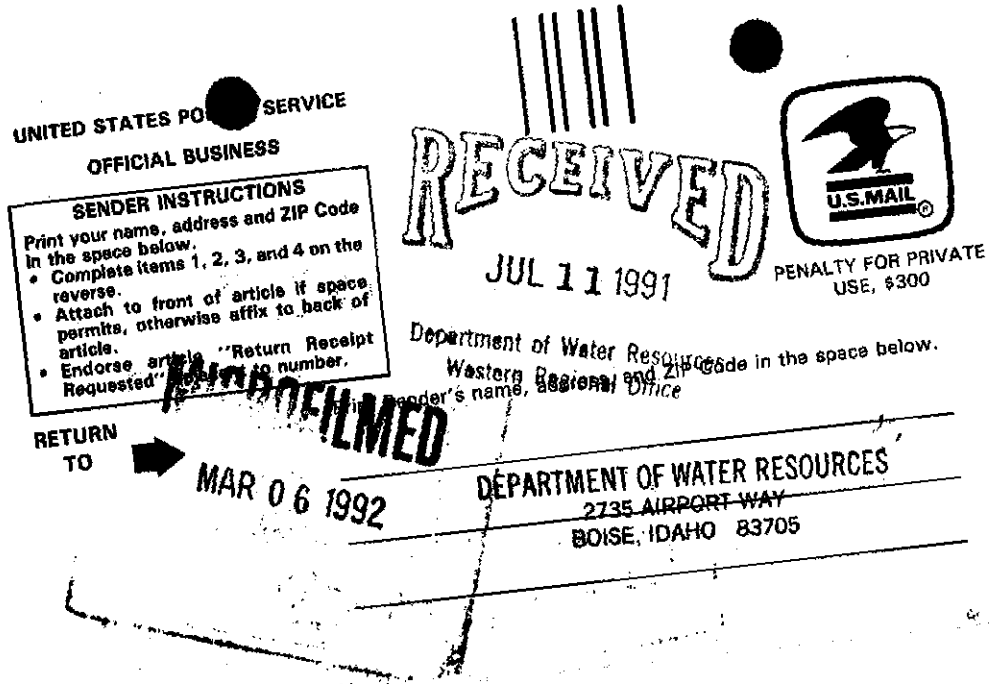
7. Date of Delivery

7-10-91

8. Addressee's Address *(ONLY if requested and fee paid)*

MAR 06 1992

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**


UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS
SENDER INSTRUCTIONS
Print your name, address and ZIP Code in the space below.
• Complete items 1, 2, 3, and 4 on the reverse.
• Attach to front of article if space permits, otherwise affix to back of article.
• Endorse article "Return Receipt Requested".
RECEIVED
JUL 11 1991
U.S.MAIL
PENALTY FOR PRIVATE USE, $300
Department of Water Resources
Western Regional Office
Write sender's name, address and ZIP Code in the space below.
MICROFILMED
MAR 06 1992
RETURN TO
DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

4. Article Number
P 581 149 844

Type of Service: 63-11505
- ☐ Registered
- ☐ Insured
- ☑ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Scott Neal

6. Signature — Agent
X

7. Date of Delivery
JUL -9 1991

8. Addressee's Address *(ONLY if requested and fee paid)*

MAR 0 6 1991

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

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JUL 10 1991

Department of Water Resources

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print sender's name, address, and ZIP Code in the space below.

MAR 0 6 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Wallace & Eda Rae Connoln
4983 Brookside Lane
Boise, ID 83703

4. Article Number
846

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Wm K. Connolly

6. Signature — Agent
X

7. Date of Delivery
JUL 11 1991

8. Addressee's Address *(ONLY if requested and fee paid)*

RETURNED
MAR 06 1992

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

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- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RETURN TO

RECEIVED

JUL 12 1991

Department of Water Resources

Western Regional Office

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

Print Sender's name, address, and ZIP Code in the space below.

FILE

MAR 06 1992

DEPARTMENT OF WATER RESOURCES

2735 AIRPORT WAY

BOISE, IDAHO 83705

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

4. Article Number
54/

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☑ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X

6. Signature — Agent
X

7. Date of Delivery
JUL 11 1991

MAR 06 1992

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

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- Complete items 1, 2, 3, and 4 on the reverse.
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- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUL 12 1991

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

Department of Water Resources
Western Regional Office

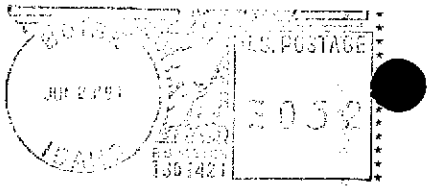
RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

MAR 06 1992

DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY
BOISE, IDAHO 83705

IDAHO DEPARTMENT OF WATER RESOURCES
WESTERN REGION
2735 Airport Way
Boise, Idaho 83705



State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

June 13, 1991

Wallace R. &/or Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Re: Application for Permit No. 63-11505

Dear Applicant:

Enclosed are a copies of additional protests filed against the issuance of a permit pursuant to the above-referenced application. The Department suggests that you contact the protestants and attempt to resolve the protests.

If this office has not been advised within twenty (20) days that the protests have been resolved, the matter will be scheduled for a conference. At such a conference, the following are the principle items the Department will review (per Section 42-203, Idaho Code):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?
6. Will the proposed use be contrary to conservation of water resources within the state of Idaho?

Please contact this office if you have questions regarding this procedure.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Manager, Western Regional Office

Enclosure: Copy of protest(s)

MICROFILMED
MAR 06 1992

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

June 13, 1991

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Gustave A. & Helen Weisshaupt
5005 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Re: Application for Permit No. 83703 in the Name of Wallace R. &/or Eda Rae Connolly

Dear Protestants:

This office acknowledges receipt of your protests to the issuance of a permit pursuant to the above referenced application. The Department suggests you contact the applicant(s) directly in an effort to determine what is proposed by the application and to attempt to resolve the protests.

If this office has not been advised within twenty (20) days that the protests have been resolved, the matter will be scheduled for conference. At such a conference, the following are the principle items the Department can consider in either approving or denying an application or permit (Section 42-1203, Idaho Code):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?

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MAR 06 1992

6. Will the proposed use be contrary to conservation of water resources within the state of Idaho?

If this office can be of further assistance, please contact us.

Sincerely,

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

DRT/st

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MAR 06 1992

RECEIVED
MAY 20 1991
Department of Water Resources

May 20, 1991

To: Keith Higginson Director
Dept. of Water Resources
Western Region
2735 Airport Way
Boise, Idaho, 83705

RECEIVED
MAY 21 1991
Department of Water Resources
Western Regional Office

Dear Mr. Higginson

I am opposing Wallace & Eda Rae Connolly's application for water right #63-11505. which was filed on 4-1-91 — for 3000 CFS for irrigation fish farming & domestic use — When so many of us — including our neighbors are already suffering from a water short age — due to so many new wells in our vicinity over the past 15-20 years or less — I don't think it is fair or right that a neighbor as close as Wally Connolly is — should be allowed to develop this 40 acres — or any of his "approved"-planned "Subdivisions" — nearby — when the rest of us watch as our wells decrease in Capacity — We're all getting older & life should be a little easier — not harder for we Senior Citizens We could run 3 rainbirds plenty for our house we we drilled in 74 — 600' before we got water — We have a permit for irrigation water & only got 10 gal a min — now much less —

PROCESSED
MAR 26 1992

In all these years since we've lived in our home here at 5005 Brookside Lane — we've never & especially the last five years of drought — felt like we should or could have a lawn. I'm sick & tired of hearing — "we don't have enough water for a lawn!" I'm tired of the dirt & dust — & say we deserve a lawn! — Connolly's may deserve domestic water but they don't deserve water to irrigate & have a fish farm — This is my opinion —

The farm across the road from our house irrigates only when & if there is water in Spring Creek & Dry Creek Geologists have told us about the fault that runs nearly parallel to Highway 55 or the Horse-shoe Bend Rd here in Dry Creek — I'm sure my sister & I will never drill an irrigation well for the farm — it would probably be wasted money much as we'd like to have our own water — It just isn't there — it seems —

FILED
MAR 06 1992

I'm against subdividing just for the sake of the Almighty dollar — & buyer be aware — we can't guarantee you get water — but we'll sell you a 5 acre lot — maybe even 1 acre with your own well & sewer

system —

This is a beautiful valley — My Dad Julius Jaker bought the place a part of which we live on - in 1935 — My brother Julius Jaker lives on the farm Daddy + Mom acquired in 1938 — It's been home to me for a long time — It's Dry Creek & sometimes its dry - Our underground acquifer is not as great as many other places — We all need to conserve our water - every day - anyway — If Wally was just applying for a domestic well — no problem — a fish farm no way — irrigate 40 acres — forget it —

We have been clear to the Supreme Court with him over another matter concerning a easement through our property for an access to his illegal subdivision — We have found over the years you shouldn't believe everything you hear —

Thanks for your time & interest — & hope his application is refused —

MAR 06 1992

Sincerely

Helen Strois Haupt

PH 939-6805

5005 Brookside Lane

Boise Idaho

May 18, 1991

RECEIVED
MAY 20 1991

5005 Brookside Ln.
Boise, Idaho 83703

Department of Water Resources
RECEIVED
MAY 21 1991
Department of Water Resources
Western Regional Office

R. Keith Higginson, Director
Department of Water Resources
Western Region
2735 Airport Way
Boise, Idaho 83705

Dear Mr. Higginson:

I am opposing application 63-11505, Wallace R. Connolly, Eda Rae Connolly, 4983 Brookside Lane, Boise, Idaho 83703, filed, 4-1-1991, for 3:000 CFS of ground water for irrigation, fish propagation and domestic use.

I oppose the application for the following reasons:
1. Existing is an inadequate supply of domestic water.
2. The underground geological formation can't supply such an additional amount of water.
3. There would be a terrific danger of contaminating existing domestic water.
4. Existing domestic water has top priority for water rights.

Already there are at least three domestic wells in the immediate area that have an inadequate supply of water. My well happens to be one with an inadequate supply. Originally, I had 10 GPM, but have less now.

In this area we are on a dry side of a fault. From my experience of six domestic wells and from information of neighbors' wells, the first one to four feet of undisturbed ground is either sand or top soil. Much of my top soil is alkali soil. Below the top soil is sandy clay. Below the sandy clay is the blue shale. It is from 30 to 70 feet down to blue shale. Blue shale to bed rock is 1100 plus feet. Many of the domestic wells are down to the blue shale and stop; others have drilled father with very little if any additional water. Drilling for irrigation water in an area with inadequate domestic needs isn't practical.

2.2200 CFS (999 GPM) of water for fish propagation would not only create a contaminating effect on existing domestic wells; but where is all of the water going? What about the odors from the fish, the fish food, the fish slaughter house and packing sheds? And what about the commercial trucking in what is now a quiet, peaceful, rural, residential area. We certainly don't need a high density commercial fish farm.

Lastly, as you know, sir, because domestic water use has top priority, I am opposed to the granting of the Wallace R. and Eda Rae Connolly water application.

Sincerely,

Gustave A. Weisshaupt

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MAR 06 1992

RECEIVED
MAY 20 1991
Department of Water Resources

RECEIVED
MAY 21 1991
Department of Water Resources
Western Regional Office

May 17, 1991

Mr. R. Keith Higginson, Director
Department of Water Resources, Western Region
2735 Airport Way
Boise, Idaho 83705

Re: Application 63-11505
Connolly, Wallace R. &/or Eda Rae
4983 Brookside Ln.
Boise, Idaho 83703

Dear Mr. Higginson:

With this letter I would like to file a protest against this proposal submitted by Wallace Connolly.

His scheme to develop ponds for fish propagation is not good land use for a dry desert area such as the one designated. Neighboring property owners continue to battle water shortages right now, before the ground water supply is hampered even further by Connolly's housing subdivision development and yet another (Cameron's) directly across Brookside.

Certainly it is easy to ascertain, considering the years of drought Southwest Idaho has been suffering through, that we do not have adequate ground water to support ponds to raise fish!

Further, how can this Application for Permit even be considered when there is no response to item #8, Description of proposed uses, or #10, Describe any other water rights used for the same purposes.

Respectfully submitted,

Joyce Jackson

Joyce Jackson
for Milan & Joyce Jackson

3953 Brookside Lane
Boise, ID 83703

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MAR 06 1992

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MAY 21 1991
Department of Water Resources
Western Regional Office

RECEIVED
MAY 20 1991
Department of Water Resources

R, Keith Higginson
Director, Dept. of Water Resources
Western Region
2735 Airport Way
Boise, Idaho 83705

May 19,1991

Dear Mr. Higginson,

I would like to respond in opposition to application #63-11505. Wallace R. Connolly has applied for a permit to build and fill a fish pond and I am concerned that the water involved will be irrigation water that several established users share strictly for agricultural usage. We share water which has been diverted into a neighborhood pond from the Capitol View Canal. We share expenses and timeslots making certain the water is fairly distributed and not wasted.

I cannot imagine that because Mr. Connolly is one of these users he has a right to divert water north for a fish pond. This seems a very wasteful measure of water.

The application itself is rather obscure.Questions #6B,8 and 10 are not completed. Speaking as the closest neighbor to this proposed fish pond site, I would expect more complete and concrete information concerning this major production.

I have reason to believe that this fish pond is only a stepping stone to a severe subdividing process in the future of Mr. Connolly's 600 or so acres. We are finding that the foothills, in which this property exists,are precious and waterless.

As it is now, we manage well.The irrigation water suffices those it services. I do not believe there will be enough, though, for extensive usage in any way. Certainly not a fish pond. I feel I must defend my personal water rights and those of my neighbors as we do not intend to take water for granted.

A fish pond would create such unpleasantries as insects and odors. This would be offensive to me and my family. A residential dwelling, though somewhat rural, is not a proper place for a large fish pond.

I feel this area has needed a major water study conducted to insure that future development of all sorts will not add pressure to the already frightening water shortages we all experience.

Thankyou,

Sincerely,
Sandra Schubert.

Sandra Schubert
4201 Brookside Lane
Boise, Idaho 83703

MAR 06 1992

MAY 2 0 1991

Department of Water Resources
Western Regional Office

17 May 1991

4400 Brookside Ln.
Boise, Idaho 83703

R. Keith Higginson
Water Resources Department
2735 Airport Way
Boise, Idaho 83705

Dear Sir:

I am writing this letter to inform your agency that we are opposed to the application which Wallace Connolly has submitted with you regarding the use of his well in which he wants the use to be applied to homes, irrigation, and fish ponds.

I have seen a copy of the application, and it appears that there is a question about the depth of his well. It appears that your agency might be aware that the well is deeper than the 1,400 feet which is stated on his application. Is there a means of measuring the exact depth of this well? If it is indeed deeper than the stated depth, it would indicate that Mr. Connolly has lied about that. We people who live in the neighborhood are well aware that he fabricates stories to suit his particular need. We know that if he should lie about the depth of the well, what is to keep him honest in the amount of water which he has designated on the application for each particular use.

We are also encouraging your agency to do a complete water study of this area before granting him a permit to use this water in the way which he desires. We feel that the water table in this area is such that it can't support that kind of use without affecting our wells. We have had problems with our search for water on our property. We have one well which is at a depth of 560', and there is not enough water in that well to support two households on our property. Our present well is at a depth of 100' and seems to be adequate. The water seems to be coming in at the 40' level. We currently have sufficient water. However, we are concerned that the water table will drop, and we will lose what we now have.

Please let your records show that Marvin & Joanne Lewis are opposed to the granting of this application to Wallace Connolly as he has proposed. Thank you.

Sincerely,

Marvin & Joanne Lewis

Marvin & Joanne Lewis

MAR 2 3 1992

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MAY 20 1991
Department of Water Resources
Western Regional Office

May 17, 1991

R. Keith Higginson, Director
Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705

Re: Wallace R. Connolly
and/or
Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Ident. No. 63-11505

Director Higginson:

I am presenting this letter to you in protest of having our existing ground waters taken from this area and diverted to another dry area north of this location.

There are many reasons to deny this application, and I will address some of those being crucial for our water survival in this area.

There has never been a water study in this area for existing water. Many wells that were furnishing family dwellings with water some years ago are not producing a sufficient amount of water at this time to accomodate that same family. There have been a number of family dwellings added to this area, each requiring an individual well. The most recent well drilled in this area was in April of this year, 200 feet deep and produces 1 1/2 gallons per minute for the Snow family. The 30 year old well they were using went dry as a result of additional domestic wells being used.

There is only a certain amount of water in this immediate area and to divert water from this area will be certain to deprive local residents from the water they are depending on for their daily survival.

The applicant has stated in open meetings that he has more than 70 wells drilled on his property and that he and his sons are certified well drillers. After drilling in excess of 2,000 feet, more like 3,000, which took several months to accomplish, the applicant finally reached some water. Although the water is not

RECEIVED
MAR 06 1992

fit for human consumption, by diverting enough of this water from this area to use on 40 acres elsewhere, will create a devastating effect on the existing wells in this area. The well in question has not been used since it was drilled.

In reviewing the application, I see that some facts and numbers are in error and it is suggested that prior to the approval of any water diversion, confirmation should be made for the credibility of statements recorded on documents and careful monitoring of activities should be established.

A. R. Mason
4241 Brookside Lane
Boise, ID 83703

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MAR 06 1992

Wallace & Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Wallace & Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Wallace & Eda Rae Conn
4983 Brookside Lane
Boise, ID 83703

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

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Boise, ID 83703

Milan & Joyce Jackson
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Boise, ID 83703

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID

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5005 Brookside Lane
Boise, ID 83703

Gustave & Helen Weissh
5005 Brookside Lane
Boise, ID 83703

MICROFILMED
MAR 06 1992

IDAHO FISH & GAME
REGION 3
109 West 44th Street
Boise, ID 83714
(208) 327-7025

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MAY 20 1991
Department of Water Resources
Western Regional Office

May 20, 1991

David R. Tuthill, Supervisor
Department of Water Resources
Western Region
2735 Airport Way
Boise, Idaho 83705

RE: 63-11505 Wallace Connolly

The Idaho Department of Fish and Game has no comment on the above referenced application for permit.

We appreciate the opportunity to review and comment on this application.

Sincerely,

Stacy Gebhards
Regional Supervisor

SG/THrer

cc: Program Coordination

MICROFILMED
MAR 06 1992

IDAHO FISH & GAME
REGION 3
109 West 44th Street
Boise, ID 83714
(208) 327-7025

MAY 22 1991
Department of Water Resources
Western Regional Office

May 20, 1991

David R. Tuthill, Supervisor
Department of Water Resources
Western Region
2735 Airport Way
Boise, Idaho 83705

RE: 63-11505 Wallace Connolly

The Idaho Department of Fish and Game has no comment on the above referenced application for permit.

We appreciate the opportunity to review and comment on this application.

Sincerely,

Stacy Gebhards
Regional Supervisor

SG/TH:er

cc: Program Coordination

MICROFILMED
MAR 06 1992

Cecil D. Andrus / Governor
Jerry M. Conley / Director

Working for wildlife · since 1938

INTER-DEPARTMENT MEMO — 1

FROM Sue

DATE 6-3-91

TO File 63-11505 - Wallace Connolly

SUBJECT Pearl Compton, Protestant

this protestant called + wants a conference set. She does not wish to meet with Mr. Connolly alone

MICROFILMED
MAR 0 6 1992

SIGNATURE

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 17, 1991

Wallace R. &/or Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Re: Application for Permit No. 63-11505

Dear Applicant:

Enclosed is a copy of a protest(s) filed against the issuance of a permit pursuant to the above-referenced application. The Department suggests that you contact the protestant(s) and attempt to resolve the protest(s).

If this office has not been advised within twenty (20) days that the protest(s) has been resolved, the matter will be scheduled for a conference. At such a conference, the following are the principle items the Department will review (per Section 42-203, Idaho Code):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?
6. Will the proposed use be contrary to conservation of water resources within the state of Idaho?

Please contact this office if you have questions regarding this procedure.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Manager, Western Regional Office

Enclosure: Copy of protest(s)

MICROFILMED
MAR 06 1992

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 17, 1991

John W. &/or Pearl C. Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

Re: Application for Permit No. 83703 in the Name of Wallace R. &/or Eda Rae Connolly

Dear Protestants:

This office acknowledges receipt of your protests to the issuance of a permit pursuant to the above referenced application. The Department suggests you contact the applicant(s) directly in an effort to determine what is proposed by the application and to attempt to resolve the protests.

If this office has not been advised within twenty (20) days that the protests have been resolved, the matter will be scheduled for conference. At such a conference, the following are the principle items the Department can consider in either approving or denying an application or permit (Section 42-1203, Idaho Code):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?
6. Will the proposed use be contrary to conservation of water resources within the state of Idaho?

If this office can be of further assistance, please contact us.

Sincerely,

David R. Tuthill

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

DRT/st

MICROFILMED
MAR 06 1992

RECEIVED
MAY 16 1991
Department of Water Resources
Western Regional Office

May 15, 1991
3550 Brooksides Lane
Boise, Id. 83703

State of Idaho
Department of Water Resources
2735 Airport Way
Boise Id 83705

RE: #63-11505 Water Permit Application for Wallace R. Connolly and Eda Rae Connolly for SWNE, Sec. 34, T. 05N, R 01E, Ada County, Id.

Gentlemen:

We hereby protest the approval for water rights for the above application, as we feel an in depth ground water study should be made by the Water Resource Dept. to see what effect the demand would have on the ground water, because of the surrounding properties which have already filed for and are using said water for domestic and irrigation purposes.

MAR 06 1992

If Connolly's put in this 20 acres of fish ponds (which has been denied earlier by the County already) it would certainly take an enormous amount of water to operate. He has been given approval for the subdivision into five acre plots (at which time nothing was mentioned about fish ponds). However,

this would be an entirely different situation in water consumption for homes -- versus 20 acres of fish ponds. We are emphatically in opposition to the construction of such ponds, both from the water consumption and smell, as well as to what could happen from high water run off and breakage of such ponds.

The well drilling permit #63-89-3-215 was for 1400 feet in depth, and appears (as noted by an asterisk on the copy of water permit application) to be in excess of 2000 ft.

We emphatically disapprove of the Connally's being granted approval for stated use of ground water on this application.

Pearl C. Compton
John W. Compton

See Copy attached

SEC 3 0 RNM

MAR 0 6 1992

RECEIVED
MAY 16 1991
Department of Water Resources
Western Regional Office

RECEIVED
APR 15 1991
Department of Water Resources
Western Regional Office

-COPY-

Ident. No. 63-11505

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: WALLACE R. CONNOLLY 208-939-0441
   Address: 4983 BROOKSIDE LANE
   BOISE, ID 83703
   AND/OR
   Name: EDA RAE CONNOLLY 208-939-0441
   Address: 4983 BROOKSIDE LANE
   BOISE, ID 83703

2. Source: GROUNDWATER Trib. to:

3. Location of Point of Diversion: SWNE Sec. 34, Township 05N, Range 01E
   ADA County

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AF
IRRIGATION	03/15	11/15	0.800	←	CONSUMPTIVE
FISH PROPAGATION	01/01	12/31	2.220	↔	
DOMESTIC	01/01	12/31	0.110	↔	NON-CONSUMPTIVE

5. Total quantity to be appropriated is:
   3.000 CFS (and/or) AF

6. Proposed diverting works:
   a. Description of ditches, flumes, pumps, headgates, etc.
   EXISTING WELL & PUMP.
   b. Height of storage dam feet; active reservoir capacity acre-feet; total reservoir capacity acre-feet; period of year when water will be diverted to storage: to inclusive.
   c. Proposed well diameter is 6 inches; proposed depth of well is 2000 * feet.
   d. Is groundwater with a temperature greater than 90F being sought? YES

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 3 years.

8. Description of proposed uses:

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* well size per drilling permit 63-89-B-215, which appears to be to deeper existing 1400' well. 2000 ? 2700

Existing well, not fed from deep aquifer

9. Place of Use: IRRIGATION

TWN	RGE	SEC		ACRES	ACRES	ACRES	TOTAL
05N	01E	27	SWSE	20			20
		34	SWNE	20			20

Total number of acres irrigated: 40

Place of Use: FISH PROPAGATION, same as IRRIGATION use

Place of Use: DOMESTIC, same as IRRIGATION use

10. Describe any other water rights used for the same purposes.

11. a. Who owns the property at the point of diversion?
APPLICANT
b. Who owns the land to be irrigated or place of use?
APPLICANT
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing.

12. Remarks:
Domestic use is for 5 homes.

13. Map of proposed point of diversion and place of use attached? [X]

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Wallace R. Cornell
Applicant

Received by st Date 4-16-91 Time 10:25 Preliminary check by SL

Fee $ 250.00 Receipted by * # CC15695 Date 3/10/90*

Publication prepared by _____ Date _____ Published in _____

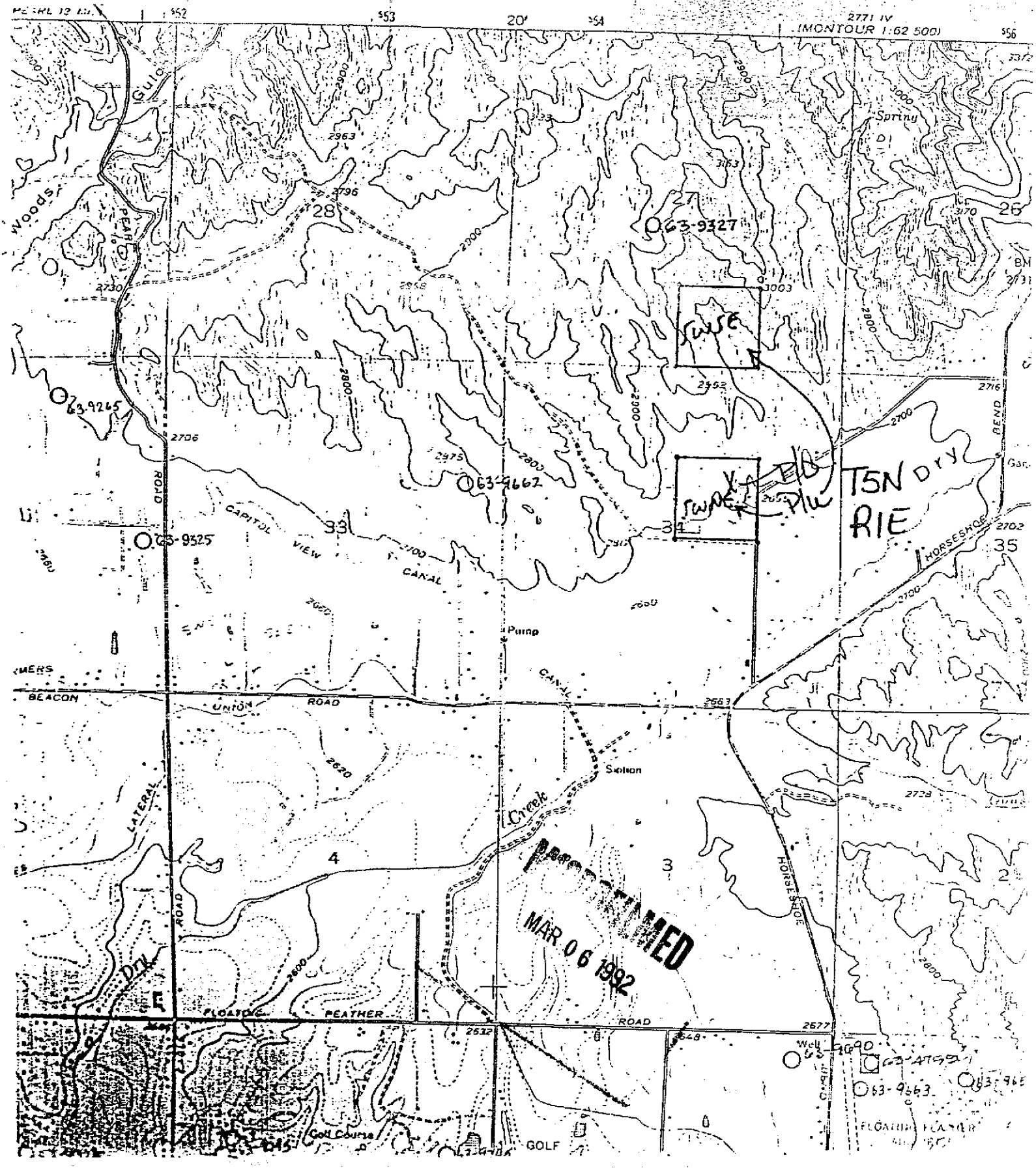
Publication approved _____ Date _____

* Fee applied from withdrawn Adj. Claim

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TATES
THE INTERIOR
SURVEY

No govt lots in
T/N, R1W



4401 Brookside Lane
Boise, Id. 83703
5-16-91

Idaho Water Resources Dept
Boise, Id.

Dear Sirs:

I wish to protest Water Right application # 63-1105. I feel this will conflict with local public interest in that Mr Connolly will not be able to keep the runoff water from these proposed fish ponds on his own property. My property lies down the canyon from these proposed fish ponds and I do not want the runoff on my property.

Sincerely,

W. Scott Neal

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MAY 16 1991
Department of Water Resources
Western Regional Office

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Form No. 202a.
10/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

INITIAL REVIEW BY: SL DATE: 4/23/91 APPLICATION: 63-11505

REQUIRED INFORMATION

- ✓ Name: (If applicant is a corporation or partnership, names and addresses for the director, officers, and other partners must be included.)
- ✓ Address:
- ✓ Source: (See USGS Quad for names of water sources)
- ✓ Point of Diversion: (10 acres for spring, lot & block descriptions for Subdivisions, local name)
- ✓ County:
- ✓ Quantity: (flow and/or volume) SEE FLOW RATE WORKSHEET
- ✓ Period of use:
- ✓ Nature of proposed use: (Include description of use)
- ✓ Description of diverting works:
- ✓ Time required for beneficial use of water:
- ✓ Place of use or acres irrigated:
- ✓ Map:
- ✓ Signature: (If applicant is corp., partnership, or municipality, title of signatory is required)
- ✓ Fee:
- ✓ Yes ___ No* In form to receipt:

Gov't. Lots:
N P/D
N P/U

ADDITIONAL INFORMATION

YES	NO	
___	✓	Overlapping place of use: (Describe source & relationship to present application on the back.)
___	✓	Overlapping point of diversion:
___	___	Field check required: Field check by: _____
___	___	Field report attached:
___	✓	Critical groundwater area:
___	✓	Groundwater management area:
___	✓	Diversion within interim protected river area
___	✓	Send dam safety information:
___	✓	Send power requirement letter:
✓	___	Send fish farm requirement letter:
___	✓	Power residency affidavit:
___	✓	Power efficiency form:
___	✓	Within trust water boundary: (If yes, attach Trust Water Supplementary Analysis Sheet.)
___	✓	Diversion greater than 5 cfs or 500 af or irrigation greater than 200 acres: (If yes, attach Large Diversion supplementary analysis sheet.)
✓	___	*REQUEST ADDITIONAL INFORMATION FROM THE APPLICANT

info about well, heat value utilization, Fish group details

DATE REQUESTED: 4-23-91 per letter

✓ ___ Additional information on reverse side:

HOT WELL ≈ 1 3/4 miles N. of Boise Front GWMA northern boundary. This appl. is within Eagle Terrace G.W. study area but most of the flow in appl. is ± non-consumptive.
Original drilling ≈ 1967 no log found. Deepened (63-89-Z-215) ≈ 1989 but no log found at Region.

PROCESSING

APPLICATION NO. 63-11505

YES NO

✓ ___ In form for advertising:
___ ✓ Statewide advertising:
✓ ___ Fee amount, receipt number and date recorded on application:

SEND COPIES TO *

YES NO

(≥ 5 homes) ✓ ___ I.D. Health and Welfare
(fish prop.) ✓ ___ I.D. Fish and Game
___ ✓ I.D. Lands
___ ✓ Adjudication Bureau

YES NO

___ ___ U.S. BLM
___ ___ U.S. Forest Svc.
___ ___ Water Dist. # ___
___ ___ Other ___

FINAL REGIONAL PROCESSING REVIEW

YES NO

___ ___ Affidavit of publication received:
___ ___ Application published correctly: If not, record action taken.

___

___

___

✓ ___ Publication dates and paper recorded on application:
___ ___ Protests received. Final date for protest May 20, 1991
___ ___ Protest dates, resolution of protest recorded on application:
___ ___ Recommendations attached:
___ ___ Measuring device required:
___ ___ Measuring port required:
___ ___ Water delivered by water master? District # ___
___ ___ Special conditions of approval or cover letter: ___

___

___

___

___ ___ See below for additional information

Recommended Date or Priority ___

Recommended by: ___ Date ___

STATE OFFICE REVIEW

___

___

___ See below for additional information. By ___ Date ___

ADDITIONAL INFORMATION

NEED RESPONSE TO 4/23/91 LETTER TO EVALUATE:
HEAT USE ✓
FISH PROP. ✓?

ADVERTISED PRIOR TO RESPONSE SINCE REFUND OF $85 IS NOT AN ISSUE. CONSIDERABLE WORK HAS BEEN DONE BY ADJUD. STAFF ETC. FOR SRBA CLAIM SUBSEQUENTLY WITHDRAWN AND REPLACED BY APPLICATION. EVEN IF APPL. WITHDRAWN, A REFUND IS NOT JUSTIFIED(?).

* NOTE - COPY WAS SENT TO Bill Pardew (RE: Protestants in Eagle Terrace area) TO PERHAPS ELIMINATE UNNECESSARY PROTESTS FOR THIS DEEPER S HOT H2O aquifer. JR 4/24/91

GL
5/16/91

63-1150S FLOW RATE WORKSHEET

PER applicant; 5-9-91 letter:

Source temp = 119° F

HEATing - buildings A = 8000 ft²

energy efficiency = excellent

t_i = 70° F t_o = 4° F (Basis)

Fish ponds — warm H2O fish, 5 ponds @ 200x40x6 each, ponds @ 80° F

- storage:

$$\frac{(5)(200)(40)(6)}{43560} = 5.5 \text{ A.f.}$$

$\frac{5.5}{1.985}$ = 2.773 cfs needed to fill storage in ≤ 24 hrs.

HEATing Flow PER Admin. memo #23

$E = (e \cdot \Delta T)A$ where ΔT = 70-4 = 66

e = ~~18.8 from table interpolation~~

A = 8000

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Changes by Dier 11/15/91

$E = (18.8)(66)(8000) = 9926400$ 147,840 should be 0.28 (best energy eff)

$W = \frac{Q}{(500)(\Delta T_s)}$ where $Q = E$

$\Delta T_s = (.6)(S-t) = (.6)(119-70) = 29.4$

$W = \frac{147,840}{(500)(29.4)} = 10.05$ gpm = 0.022 cfs ⇕ .03 cfs

$\frac{9926400}{(500)(29.4)} = 675.3$ gpm = 1.50 cfs

Continued

63-11505 FLOW RATE WORKSHEET PG. 2

FISH PROP FLOW

No way to estimate flow required for tilapia. Requires warm water, additional use of heating value of low temp. geothermal resource.

ponds ≈ 5.5 A.F.

Fish prop on appl. = 2.22 cfs

Assume hot water from well will be cooled somewhat in ponds (desire 80° F pools) before used for irrigation. Add irrig. flow to fish prop. flow & compare with stored volume:

2.22
.80
3.0 cfs (Application limit)

(3)(1.9835) = 5.95 = 6 a.f./24 hrs., Storage not required

Appl protested - if flow reduced to < 2.773 cfs, need to add dd. to storage, irrig storage, irrig. from storage, & fish prop storage.

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HEATING FLOW 0.03

in Homes/Bldgs → 1.50 cfs

in Fish Ponds → ? allow up to 2.22 cfs

TOTAL allow up to 2.22 cfs ?

May 9, 1991

RECEIVED
MAY 15 1991
Department of Water Resources
Western Regional Office

Department of Water Resources
Western Region
2735 Airport Way
Boise, Idaho 83705

Attention: Steve Lester

RE: Permit # 63-11505

Gentlemen:

In reply to your letter of April 23, 1991, we respond to your questions.

No. 1. February 1, 1967

No. 2. 119 Degrees F.

No. 3. Fish propagation will include hot water, fish pools at 80 degrees,
Buildings square footage 8,000 sq. ft. energy efficiency ▪ excellent, double windows, thermal break doors, building temperatures 70 degrees F. heat valve R-30.

No. 4. Tilapia,
5 ponds, 200' XX 40 X 6' deep.

Thank you for your assistance in this matter.

Sincerely yours,

Wallace R. Connolly

Wallace R. Connolly

WRC/ec
Encl.

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MAR 06 1992

WARRANTY DEED

For Value Received WALTER E. CAMERON and LUCILE CAMERON, husband and wife, of 4277 Brookside Lane, Boise, Idaho

the grantor s, do **hereby grant, bargain, sell and convey unto** WALLACE R. CONNOLLY and EDA RAE CONNOLLY, husband and wife, of 4983 Brookside Lane, Boise, Idaho
the grantee s, the following described premises, situated in Ada **County, State of Idaho, to-wit:**

Real property described on attached Exhibit "A"

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee s, their heirs and assigns forever. And the said Grantor s do hereby covenant to and with the said Grantee s that the y the owners in fee simple of said premises; that said premises are free from all incumbrances

and that they will warrant and defend the same from all lawful claims whatsoever.
Dated: 8th day of February, 1989.

Walter E. Cameron
WALTER E. CAMERON

Lucile Cameron
LUCILE CAMERON

STATE OF ~~IDAHO~~ ARIZONA **COUNTY OF** Maricopa
On this 1st **day of** February, 1989, **before me, a notary public in and for said State, personally appeared**
WALTER E. CAMERON and LUCILE CAMERON, husband and wife

known to me to be the person s whose name s are subscribed to the within instrument, and acknowledged to me that they **executed the same.**

Virginia M. Pettit
Notary Public.
Residing at Sun City, ~~Idaho~~ ARIZONA
COMMISSION EXPIRES: My Commission Expires July 2, 199

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MAR 06 1992

EXHIBIT "A"

A part of the Southwest Quarter of the Northeast Quarter of Section 34, Township 5 North, Range 1 East of the Boise Meridian in Ada County, Idaho, more particularly described as follows:

Commencing at the Southeast Corner of Said Southwest Quarter of the Northeast Quarter;

Thence, North 0° 32' 54" West 687.51 feet along the East boundary of Said Southwest Quarter to the Real Point of Beginning;

Thence, South 86° 07' 19" West 437.36 feet;

Thence, North 9° 30' 20" West 189.47 feet;

Thence, North 14° 59' 21" West 50.61 feet;

Thence, North 2° 04' 51" West 166.63 feet;

Thence, North 12° 16' 02" East 20.90 feet;

Thence, North 0° 57' 23" East 110.25 feet;

Thence, South 89° 39' 03" East 475.73 feet to a point on the East boundary of Said Southwest Quarter;

Thence, South 0° 32' 54" East 500.47 feet along said East boundary to the Real Point of Beginning.

This parcel contains 5.574 acres more-or-less and is subject to all existing rights of way and easements.

Together with all water, water rights, ditches, and rights of way for ditches appurtenant thereto or in anywise appertaining.

Together with tenements, hereditaments, and appurtenances thereunto belonging or in anywise appertaining.

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MAR 06 1992

STATE OF IDAHO

DEPARTMENT OF HEALTH
AND WELFARE

DIVISION OF ENVIRONMENTAL QUALITY
TREASURE VALLEY AREA OFFICE
1420 N Hilton
Boise, Idaho 83706-1260
(208) 334-0550

RECEIVED
MAY - 3 1991
Department of Water Resources
Western Regional Office

May 2, 1991

Mr. David R. Tuthill
Western Region Supervisor
Dept. of Water Resources
Boise, Idaho 83720

STATEHOUSE MAIL

RE: No. 63-11505 (Connolly)

Dear Mr. Tuthill:

This office has reviewed the above referenced application and has no objections to this appropriation.

Sincerely,

Jon Wroten
Water Quality Compliance Officer

JW:kg

cc: Craig Shepard
Paul Jehn

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MAR 06 1992

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

April 29, 1991

Idaho Dept. of Health & Welfare
Division of Environment
Statehouse
Boise, ID 83720

Re: Application for Permit No. 63-11505 in the name of Wallace R. &/or Eda Rae Connolly

Dear Sir:

Enclosed is a copy(s) of the above-referenced application(s) for permit which may be of interest to your agency. Please review the application(s) and submit any comments you may have.

This office normally completes the processing of an application within a six-week period and is required to take final action shortly thereafter, however, if your agency desires to file a formal protest against the approval of this application(s), your written protest must be received in this office by May 20, 1991.

If you have any questions regarding the application, please contact this office.

Sincerely,

David R Tuthill Jr

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

DRT:st

Enclosure(s):

MICROFILMED
MAR 06 1992

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

April 29, 1991

Idaho Dept. of Fish and Game
600 South Walnut
Boise, ID 83706

Re: Application for Permit No. 63-11505 in the name of Wallace R. &/or Eda Rae Connolly

Dear Sir:

Enclosed is a copy(s) of the above-referenced application(s) for permit which may be of interest to your agency. Please review the application(s) and submit any comments you may have.

This office normally completes the processing of an application within a six-week period and is required to take final action shortly thereafter, however, if your agency desires to file a formal protest against the approval of this application(s), your written protest must be received in this office by May 20, 1991.

If you have any questions regarding the application, please contact this office.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

DRT:st

Enclosure(s):

MICROFILMED
MAR 06 1992

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705 - (208) 334-2190

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

April 23, 1991

Wallace R. and Eda R. Connolly
4983 Brookside Lane
Boise, ID. 83703

RE: Application for Permit No. 63-11505

Dear Applicants:

Your recent application for a new water right will be advertised but cannot be approved until additional information is submitted. Please consider the following points.

1. Drilling Permit No. 63-89-Z-215 issued on 11/2/89 contains contradictory information. On one hand, it states that a new well was to be drilled to about a 2000 ft. depth in 1989. On the other hand, the form shows that an existing well of 1400 ft. was to be deepened. Please clarify this discrepancy. If the well existed in 1989 and was deepened, when was it originally drilled?

2. The water right application (63-11505) and the drilling permit indicate that a water temperature between 85 and 212 degrees F. is involved. What is the temperature of the water?

3. According to Idaho Code 42-233 (copy attached), the source is a low temperature geothermal resource. To obtain a new right for this resource, one must first utilize the heat value of the resource unless the Director waives this requirement (see 42-233 (1i-1iii). I'm assuming that the intended fish propagation will involve hot water. Is that correct? Please indicate how you intend to use the heat value from the well. Include the temperature that you intend to reach for any heat value related operation (for example, intend to maintain fish pools at 90 degrees, etc.). If you intend to heat buildings, what is the total square footage of the buildings, what level of energy efficiency will be involved (poor, average, good, excellent based on insulation, weatherstripping, types of windows and doors, etc.), and what temperature will be desired in the buildings?

If the heat value will not be used, the application cannot be approved unless a valid basis for waiving the requirement is established.

4. For fish propagation, inndicate the type of fish to be raised. This is especially important if warm water fish are intended. Briefly explain the sizes and number of ponds and the total proposed faciltiy volume, e.g. length, width, and average depth of pools or ponds. A diagram outlining the fish propagation layout will be helpful. Also, include something that documents possessory interest in the land where fish operations will occur (tax notice, deed, etc. showing ownership or contract, lease, etc. showing access to the fish rearing site).

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The $85 fee from your withdrawn adjudication claim was applied to the water right application and no additional fee is needed. Please answer items 1 through 4 within 30 days. Let me know if you need assistance.

Sincerely,

Steve Lester

Steve Lester
Sr. Water Resource Agent

Enclosure: 42-233

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MAR 06 1992

Form 235-1
9/89

Drilling Permit No. 63-89-Z-215
Water Right Permit No. 63-[illegible] PENDING APPLIC. SUBMITTAL
Injection Permit No. _____

RECEIVED
NOV 02 1989
Department of Water Resources

State of Idaho
Department of Water Resources

DRILLING PERMIT

1. Applicant Wallace R. Connolly
2. Mailing Address 4983 Brookside Lane
Boise, IDAHO 83702 Telephone (208) 939-0441
(X) Well Owner ( ) Well Operator ( ) Other, specify _____
3. Proposed well location SW 1/4 NE 1/4, or Gov't lot No. _____,
Sec. 34, Twp. 5N, Rge. 1E, County ADA,
Street Address of Well Site 4277 Brookside Lane,
Lot, block and subdivision _____
4. Proposed use of well:
(X) Single family or stockwater use (less than 13,000 gallons per day)
(X) Irrigation (more than 1/2 acre)
( ) Monitoring - A well bore schematic and map is required for each well.
No. of proposed wells: _____
( ) Other (describe fully) _____
5. Well construction information:
A. (X) ~~New well~~ ? ( ) Deepen ( ) Replace - See Condition 9.
B. Proposed surface diameter 6" Maximum depth 2000'
C. Anticipated bottom hole temperature:
( ) 85°F or less (Cold water well)
(X) ~~85°F to 212°F (Low temp. geothermal well)~~
( ) 212°F or more (Geothermal well)

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MAR 06 1992

6. Construction Start Date ASAP
7. Anticipated Well Driller Leonard Justice
NOTE: The actual well driller must be identified prior to drilling.
8. Applicant's signature Wallace R. Connolly Date 11-2-89
Title Owner
(Owner, Firm Representative, Other)

? DEEPEN EXISTING 1400' WELL? SEE 2nd pg. following

ACTION OF DEPARTMENT OF WATER RESOURCES

This Permit is APPROVED. Date 9-2-89.

If approved, this permit authorizes the construction of a well subject to the following conditions. READ CAREFULLY!

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.

2. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one (1) year from the approval date for completion of the well unless an extension has been granted.

3. This permit does not constitute the approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.

4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.

5. Approval of this drilling permit does not authorize trespass on the land of another party.

6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.

7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.

8. If a bottom hole temperature of 85°F or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.

9. If this permit is for a replacement well, the well being replaced must be abandoned in accordance with Department Rules and Regulations.

SPECIFIC CONDITIONS:

Signature of Authorized Department Representative — Groundwater Protection Section, Title

Receipt No. C012634 Receipted by D.K. Fee 100.00 Date 9-12-89

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date MAR 06 1992

This extension is good for 60 days beyond the above extension approval date.

Drilling Permit No. 63-89-Z-215

Water Right No. PENDING APPLIC. SUBMITTAL

REQUEST FOR EXPEDITED ISSUANCE OF A DRILLING PERMIT

Mr. Wallace R. Connolly, Applicant, requests issuance of Drilling Permit prior to approval of a water right. The request is made for the following reason(s):

1) Availability of a qualified core-driller to deepen existing 1400' hole. 2) Desire to complete project prior to worsening winter weather.

Applicant understands that the drilling permit does not constitute a water right and does not authorize diversion or use of water from the well.

Applicant acknowledges that by accepting a drilling permit and commencing construction he accepts all risk that the well may not ultimately be approved for use.

11-2-89
Date

Wallace R Connolly
Applicant's Signature

Owner
Applicant's Title

MICROFILMED
MAR 06 1992

Form 233-1
4/88

State of Idaho
Department of Water Resources

LOW TEMPERATURE GEOTHERMAL RESOURCE WELL
CASH BOND PLEDGE

To: First Security Bank Main Office
(Bank or Savings and Loan Association)

Address: P.O. Box 7069 Boise, ID 83730
(Must be in Idaho)

FOR VALUE RECEIVED, I _____ do hereby assign, set over and pledge to the Director, Idaho Department of Water Resources (Director) as a cash bond, or cash deposit the sum of $5,000.00 dollars in an account carried in the name of Connolly Construction being Account No. 003-27479-66.

This pledge is given in lieu of a Surety Bond to insure the construction, operation and maintenance of a low temperature geothermal resource well located in NE/4 SW/4 NE/4 Section 34 T5N R1E, B.M. Ada Co.
(Legal Description)
in compliance with Chapter 2 and Chapter 40, Title 42, Idaho Code, and the rules and regulations promulgated pursuant thereto by the Director, said pledge to remain in full force and effect until one year after completion of the well construction or until released in writing by the Director, whichever occurs first.

The interest paid on the account shall be paid to account holder Connolly Construction, this assignment and pledge being only for the principal amount.

Dated at Boise, ID this 2 day of November, 1989.

Wallace R. Connolly PRES.
Account Holder
Connolly Const. Co.

State of Idaho)
) ss
County of Ada)

On this 2 day of Nov., 1989, personally appeared before me the signer of the above instrument, who duly acknowledged to me that he be executed the same.

Notary Public residing
at Boise
My commission expires: 12-15-94

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MAR 06 1992

I, Norman Jensen (Name), Asst V.P. (Title)

do hereby acknowledge that Connolly Construction

has on deposit $5000.00 dollars which has been assigned to the Director, which shall remain in force and effect until released by the Director.

First Security Bank of Idaho, N.A.
BOISE BRANCH BOISE, IDAHO

Norman Jensen Asst. V.P.
(Bank or Savings & Loan Official)

State of Idaho)
) ss
County of Ada)

Acknowledged on this 2nd day of November, 19 91, before me:

Notary Public residing at:
Boise Id

My commission expires: Jan 1991

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MAR 06 1992

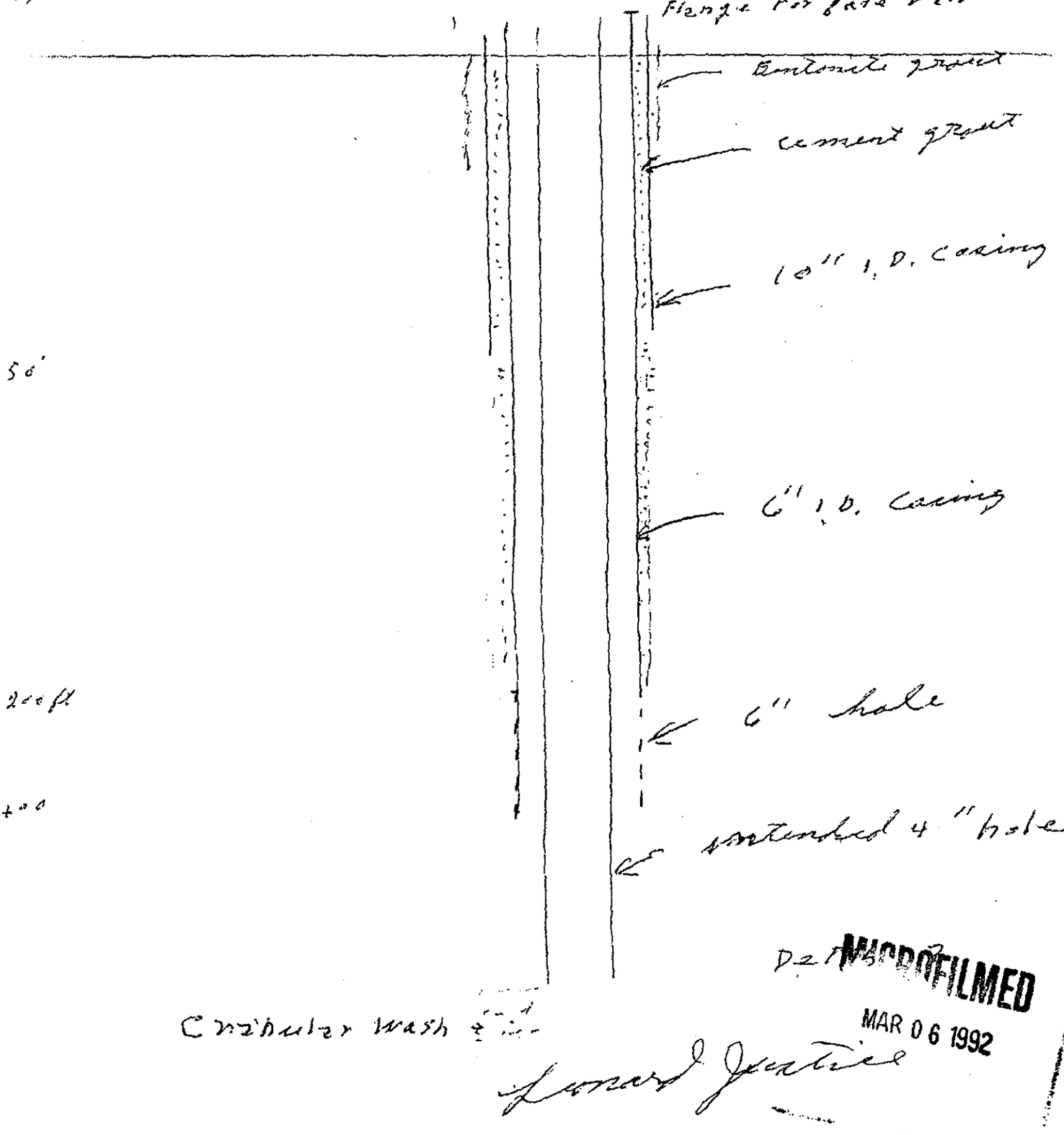
Justice Drilling Co. Inc.

1150 E. USTICK ROAD - MERIDIAN, IDAHO 83642 - (208) 888-1281

Section: SW 1/4 NE 1/4 S34 Township 5N Range 1E

Owner Wallace R. Connelly

Driller Leonard Justice



Depth

Cuttings Washed

Leonard Justice

MICROFILMED
MAR 06 1992

Justice Drilling Co. Inc.

1150 E. USTICK ROAD · MERIDIAN, IDAHO 83642 · (208) 888-1281

October 31, 1989

To. Department of Water Resources;

Justice Drilling Co. Inc. License #204 plans to deepen a hole for Wally Connolly, 4983 North Brookshire Ln. Boise, Idaho

Well is located in NE corner of SW¼, N.E.¼, Sec.34; township 5N., Range 1 E.

Justice Drilling Co. Inc. plans to set truck mount 44 core drill on present hole. Hole, at present, is 1400 ft. in depth. It has 1200 ft. of 6" ID casing cemented in and has 150 ft fo 10" casing, with bentonite seal around top.

We plan to drill 4½"; if we can rotate without much problem, if problem rotating, will case 3" ID to drill 3". We will drill until out of present formation where owner expects to hit water. Owner thinks could get out anytime soon, within a few hundred feet. Upon completion we will pull rods and 3" ID casing if we install it. We will install flange on 6" casing for valve owner has before starting.

Leonard L. Justice

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MAR 06 1992

Claim # - Receipt # C015695
Date April 1, 1991

RECEIVED
APR 04 1991
Department of Water Resources

REQUEST FOR WITHDRAWAL OF CLAIM

Name of Claimant: (Please Print) Wallace R. + Eda Rae Connolly

Mailing Address: 4983 Brookside Ln. Boise, Id. 83703

Amount: $ 85 Receipt No.: C015695

County of Water Right: Ada

Claim No(s).:

I wish to withdraw the Notice(s) of Claim to a Water Right which number(s) appear above and for which I previously paid a filing fee to the Idaho Department of Water Resources. I do ___/do not X request a refund of the filing fee. If a refund is ~~requested I have attached an explanation of the justification for~~ granting a refund.

$85.00 we will apply to Application for Permit # 63-11505

Wallace R. Connolly (Signature of Claimant) April 1, 1991 (Date)

Edarae Connolly (Signature of Claimant) April 1, 1991 (Date)

(Signature of Claimant) (Date)

Return to:

Idaho Department of Water Resources
Adjudication Section
Statehouse Mail
Boise, Idaho 83720

For IDWR Use

	Initials	Date
Approval Region		
Approval State Office		
Data Entry		
Claim File		

RECEIVED
MAR 06 1992

C015695

03/16/90
13:58:17

CONNOLLY CONSTRUCTION CO.

AJDUDICATION FEE	0410162 9337 6490	$85.00

$85.00

CHECK 1877

Idaho Department of Water Resources

Region: STATE

Signature: _____

RECEIVED
MAR 06 1992

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 21, 1991

Wallace R. Connolly
4983 Brookside Lane
Boise, ID 83703

RE: Snake River Basin Adjudication (SRBA)
Ada County - Receipt #C015695

Dear Mr. Connolly:

We are returning your Notice of Claim to a Water Right filed for your property in Ada County. You previously received Receipt #C015695 in the amount of $85.00, for the filing fees.

You are given the opportunity to withdraw this claim. Any water right developed from a groundwater source after March 25, 1963, for any use other than single-family domestic use, is required to have an applilcation for permit filed. We can find no record of a permit for this property. The claim you have presented conflicts with the Ground Water Statute at §42-229 and defined in §42-230, Idaho Code, and Water Appropriation Rules and Regulations, paragraph 2,15.

I have enclosed an application for permit for your use in this matter. We will be happy to proceed if you will return the completed form to:

Idaho Department of Water Resources
Western Region Office
2735 Airport Way
Boise, ID 83705
208/334-2190

Should you wish to pursue before the court the exact water right you have presented on this claim, you may return the claim form to this office. The correct filing fee of $128.87 for this claim, and $7.50 for the requested docket sheet, was not enclosed. (The amount enclosed with the claim was $85.00.) The correct and full filing fees must be submitted with the Notice of Claim in order to include your water right in the report to the court. Please enclose $51.37 if you choose to resubmit this claim.

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MAR 06 1992

The claim form should be delivered to our office or postmarked by April 22, 1991, otherwise we will assume you wish to withdraw the claim. If you do not wish to file your Notice of Claim, please complete the enclosed Request for Withdrawal of Claim and return it to the address shown. Your request for refund will be processed as quickly as possible.

If you have any further questions or require further help, please do not hesitate to contact this office.

Sincerely,

John D. Carlson

John D. Carlson
Adjudication Supervisor

JDC:RM:sf:state:tf
Enclosures:
Notice of Claim
Permit Application w/Instructions
Request for Withdrawal of Claim

RECEIVED
MAR 06 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Western Region
2735 AIRPORT WAY

Boise, Idaho 83705
(208) 334-2190

APRIL 24, 1991

The Idaho Statesman
P.O. Box 40
Boise, ID 83707

Dear Legal Dept.:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before MAY 20, 1991.

Yours truly,

GAIL GARRETT
Secretary

Encl.

MICROFILMED
MAR 06 1992

63-11505

CONNOLLY, WALLACE R.
CONNOLLY, EDA RAE
4983 BROOKSIDE LANE
BOISE, ID 83703

Source: GROUNDWATER

Diversion Pt: SWNE Sec 34 T 05N R 01E

Use: IRRIGATION (.800 CFS)
FISH PROPAGATION (2.220 CFS)
DOMESTIC (.110 CFS)
Total Diversion: (3.000 CFS)

Date Filed: 4/ 1/ 1991

In: T05N R01E S27 SWSE
S34 SWNE

40.0 ACRES TOTAL

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MAR 06 1992

Form 6/89

RECEIVED
DEC 18 1989

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

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 Wallace B. Comann

Address 4983 Brookside Lane

Boise, Ida. 83702

Owner's Permit No. 63-89-2-213

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ 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 Core Drill

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	10 inches	+ 1 feet	15? feet
_____ inches	6 inches	1 feet	1200 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 ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ 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 29 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.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Ada
SW ¼ NE ¼ Sec. 34 T. 5N ☑ N ☐ S R. 1 ☑ E ☐ W

7. WATER LEVEL

Static water level 70? 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
WATER came up to within 12 ft of surface		

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
4,5	1400	1540	gray sand with silt & few hard streaks		
			Like sand stone.		

Received
DEC 18 1989
Water Resources
Eastern District Office

10. Work started 11-3-89 finished 11-10-89

11. DRILLERS CERTIFICATION DL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Justice Drilling Firm No. 204
1150 E. Estick Rd
Address Meridian, Date 11-13-89

Signed by (Firm Official) Leonard L. Justice
and
(Operator) _____

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

MICROFILMED MAR 06 1992

Form 235-1
9/89

Drilling Permit No. 63-89-Z-215
Water Right Permit No. PENDING APPLIC SUBMITTAL
Injection Permit No. _____

RECEIVED
NOV 02 1989
Department of Water Resources

State of Idaho
Department of Water Resources

D R I L L I N G P E R M I T

1. Applicant Wallace R. Connolly
2. Mailing Address 4983 Brookside Lane
Boise, IDAHO 83702 Telephone (208) 939-0441
(X) Well Owner ( ) Well Operator ( ) Other, specify _____
3. Proposed well location SW 1/4 NE 1/4, or Gov't lot No. _____,
Sec. 34, Twp. 5N, Rge. 1E, County ADA,
Street Address of Well Site 4277 Brookside Lane,
Lot, block and subdivision _____
4. Proposed use of well:
(X) Single family or stockwater use (less than 13,000 gallons per day)
(X) Irrigation (more than 1/2 acre)
( ) Monitoring - A well bore schematic and map is required for each well.
No. of proposed wells: _____
( ) Other (describe fully) _____
5. Well construction information:
A. (X) New well ( ) Deepen ( ) Replace - See Condition 9.
B. Proposed surface diameter 6" Maximum depth 2000'
C. Anticipated bottom hole temperature:
( ) 85°F or less (Cold water well)
(X) 85°F to 212°F (Low temp. geothermal well)
( ) 212°F or more (Geothermal well)

FILMED
MAR 06 1992

6. Construction Start Date ASAP
7. Anticipated Well Driller Leonard Justice
NOTE: The actual well driller must be identified prior to drilling.
8. Applicant's signature Wallace R. Connolly Date 11-2-89
Title Owner
(Owner, Firm Representative, Other)

ACTION OF DEPARTMENT OF WATER RESOURCES

This Permit is APPROVED. Date 11-2-89.

If approved, this permit authorizes the construction of a well subject to the following conditions. READ CAREFULLY!

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.

2. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one (1) year from the approval date for completion of the well unless an extension has been granted.

3. This permit does not constitute the approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.

4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.

5. Approval of this drilling permit does not authorize trespass on the land of another party.

6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.

7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.

8. If a bottom hole temperature of 85°F or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.

9. If this permit is for a replacement well, the well being replaced must be abandoned in accordance with Department Rules and Regulations.

SPECIFIC CONDITIONS:

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MAR 06 1992

Mark S. Shirley
Signature of Authorized Department Representative

Groundwater Protection Section
Title

Receipt No. C012634 Receipted by D.K. Fee 100^a Date 11-2-89

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension is good for 60 days beyond the above extension approval date.

Form 233-1
4/88

State of Idaho
Department of Water Resources

LOW TEMPERATURE GEOTHERMAL RESOURCE WELL
CASH BOND PLEDGE

To: First Security Bank Main Office
(Bank or Savings and Loan Association)

Address: P.O. Box 7069 Boise, ID 83730
(Must be in Idaho)

FOR VALUE RECEIVED, I _____ do hereby assign, set over and pledge to the Director, Idaho Department of Water Resources (Director) as a cash bond, or cash deposit the sum of $5,000.00 dollars in an account carried in the name of Connolly Construction being Account No. 003-2749-66.

This pledge is given in lieu of a Surety Bond to insure the construction, operation and maintenance of a low temperature geothermal resource well located in NE/4 SW/4 NE/4 Section 34 T5N R1E, B.M. Ada Co.
(Legal Description)
in compliance with Chapter 2 and Chapter 40, Title 42, Idaho Code, and the rules and regulations promulgated pursuant thereto by the Director, said pledge to remain in full force and effect until one year after completion of the well construction or until released in writing by the Director, whichever occurs first.

The interest paid on the account shall be paid to account holder Connolly Construction, this assignment and pledge being only for the principal amount.

Dated at Boise, ID this 2 day of November, 1989.

Wallace R. Connolly PRES.
Account Holder
Connolly Const. Co.

State of Idaho)
) ss
County of Ada)

On this 2 day of Nov., 1989, personally appeared before me the signer of the above instrument, who duly acknowledged to me that he be executed the same.

Notary Public residing
at Boise
commission expires: 12-15-89

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MAR 06 1992

I, Norman Jensen (Name), Asst V.P. (Title)

do hereby acknowledge that Connolly Construction

has on deposit $5000.00 dollars which has been assigned to the Director, which shall remain in force and effect until released by the Director.

First Security Bank of Idaho, N.A.
BOISE BRANCH BOISE, IDAHO

Norman Jensen Asst. V.P.
(Bank or Savings & Loan Official)

State of Idaho)
) ss
County of Ada)

Acknowledged on this 2nd day of November, 19 91, before me:

Notary Public residing at:
Boise Id

My commission expires: Jan 1991

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MAR 06 1992

Drilling Permit No. 63-89-2-215

Water Right No. PENDING APPLIC. SUBMITTAL

REQUEST FOR EXPEDITED ISSUANCE OF A DRILLING PERMIT

Mr. Wallace R. Connolly, Applicant, requests issuance of Drilling Permit prior to approval of a water right. The request is made for the following reason(s):

1) Availability of a qualified core-driller to deepen existing 1400' hole. 2) Desire to complete project prior to worsening winter weather.

Applicant understands that the drilling permit does not constitute a water right and does not authorize diversion or use of water from the well.

Applicant acknowledges that by accepting a drilling permit and commencing construction he accepts all risk that the well may not ultimately be approved for use.

11-2-89
Date

Wallace R Connolly
Applicant's Signature

Owner
Applicant's Title

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MAR 06 1992

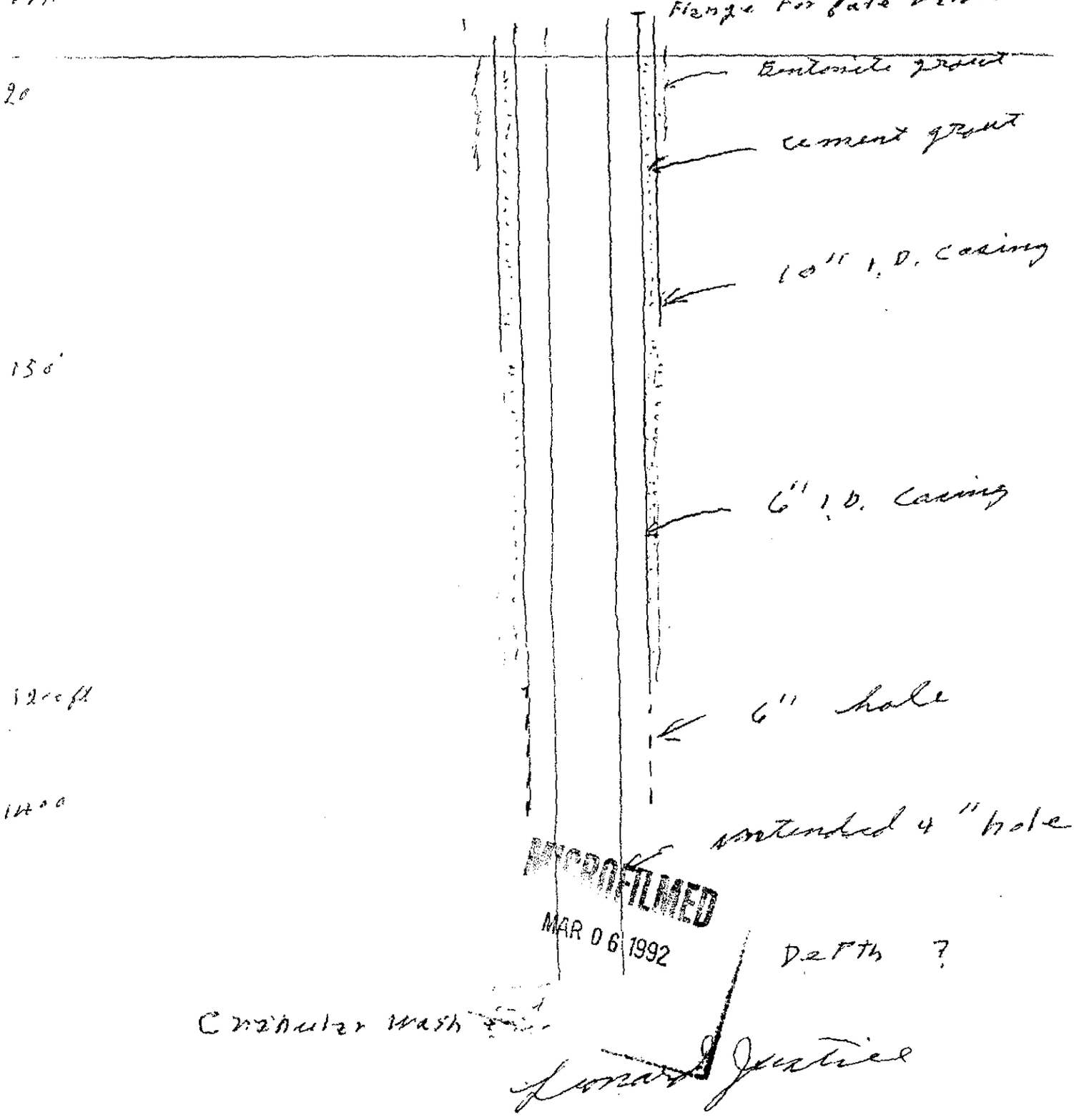
Justice Drilling Co. Inc.

1150 E. USTICK ROAD - MERIDIAN, IDAHO 83642 - (208) 888-1281

Location: SW¼ NE¼ S 34 Township 5N Range 1E

Owner Wallace R. Connolly

Driller Leonard Justice



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MAR 06 1992

Cuttings Washed

Leonard Justice

Justice Drilling Co. Inc.

1150 E. USTICK ROAD - MERIDIAN, IDAHO 83642 - (208) 888-1281

October 31, 1989

To. Department of Water Resources;

Justice Drilling Co. Inc. License #204 plans to deepen a hole for Wally Connolly, 4983 North Brookshire Ln. Boise, Idaho

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Leonard L. Justice

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MAR 06 1992

RECEIVED
MAY - 8 2002
Department of Water Resources

File #19-301.0000
Connolly - Geothermal Well Licensing

DOCUMENTS INDEX
SIDE A

Tab #	Date	Description
1	2/7/92	Earnest Money Agreement between Kenneth C. Masoner and Wallace and Eda Rae Connolly
2	4/16/94	Addendum to Receipt and Agreement to Purchase Between Wallace and Eda Rae Connolly and James and Janice Barsby
3	9/12/96	Letter from Connolly Construction Co. to James and Janice Barsby
4	8/24/01	Letter from IDWR to Wallace Connolly

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MAR 1 1 2003

ALL-STATE LEGAL® 800-222-0510

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MAR 1 1 2003

Form No. RE-21

EARNEST MONEY AGREEMENT

THIS IS A [redacted]ALLY BINDING CONTRACT. IF NOT UND[redacted]TOOD, SEEK COMPETENT ADVICE.

RECEIVED [redacted] Boise, IDAHO, February 7, 19 92

KENNETH C. MASONER, A MARRIED MAN

herein called "Buyer," the sum of FIVE THOUSAND DOLLARS AND NO/100 ($5,000.00) Dollars

in the form of check paid to the broker as earnest money and in part payment of the purchase price for the following property

situate in ADA County, Idaho LOT 2, CONNOLLY ESTATES SUBDIVISION

(If more space is needed, continue on reverse side.)

Buyer hereby offers to purchase the above described property in its present condition, after full inspection, on the terms and conditions herein provided for; and agrees to give the seller 3 days, from this date, to accept said terms and conditions during which time this offer shall not be revokable.

Included as part of the property sold to the buyer are such of the following items as may now be on the premises, which will be delivered free and clear of encumbrances: All existing linoleum, window screens, screen doors, television antennae, shades, venetian blinds, curtain rods, attached lighting, plumbing and bathroom fixtures, water-heating apparatus and fixtures, awnings, ventilating, cooling and heating systems, irrigation fixtures and equipment, all water and water rights, ditches, and ditch rights appurtenant thereto, and subject to the assessments therein, trees, plants and shrubs and all other attached fixtures not herein reserved or excepted; together with the following personal property:

NONE

The total purchase price is:

SEVENTY-SEVEN THOUSAND, FIVE HUNDRED DOLLARS AND NO/100 ($77,500.00) Dollars

and after deducting the sum hereinbefore receipted for the balance shall be payable as follows:

$45,000.00 upon closing, and a contract in the amount of $17,500.00, at 10% interest, due in one sum on September 1, 1993; and $10,000.00 trip credit from buyer to Seller with Custom River Tours Co., at their prevailing rates. Seller will provide Title Insurance, underground power will be brought to the property line. Geothermal water now located on Lot 5 will be piped to the property line in an amount of 0.03 CFS or about 20 GPM. No [redacted] charge for this water for the first year of lot ownership; at which time a rate of 50% of the cost of heating 1,000 gallons of water with Natural Gas will apply. This rate will be determined and readjusted on January 1st of each year.

(If more space is needed, continue on reverse side.)

Seller authorizes the real estate broker, hereinafter referred to as "Broker," to order and charge to Seller's account, immediately upon acceptance of this offer, and of assurance of any contemplated financing, if provided for hereinabove, either a policy of Title Insurance (using a preliminary title report prior to close of sale, after which the Title Insurance Policy will be issued) or, at the Seller's option an abstract of title certified to a date subsequent hereto evidencing condition of the title for inspection and approval of the Buyer. If Buyer's approval of the condition of the title is withheld, Buyer shall have 10 days after receipt of evidence of title in which to deliver to Seller or Broker written objections thereto. Failure to so object within the 10 day time limit provided shall be deemed approval and acceptance of the condition of the title. The Broker shall in no way be responsible for delivery to Buyer, or condition of the title.

The earnest money deposited herein shall be refunded to Buyer and this agreement voided if the Seller fails to accept Buyer's offer within the time provided, or if merchantable title cannot be delivered within a reasonable time. Should the improvements on subject property be materially damaged by fire or otherwise, prior to closing this sale, this agreement shall be voidable at the option of the Buyer.

Unless otherwise provided herein, the real property shall be conveyed by warranty deed, free of encumbrances except for rights reserved in federal patents, state or railroad deeds, building or use restrictions, building and zoning regulations and ordinances of any governmental unit, and rights of way and easements of record. Any encumbrances to be discharged by Seller may be paid out of the purchase money at date of closing.

The parties hereto authorize the Broker to arrange financing, if financing is required and Buyer agrees to use his best efforts to obtain such financing. Financing costs shall be paid by Buyer. However, if FHA or GI regulations apply to limit Buyer's loan service fee, Seller agrees to pay any excess thereof.

All taxes, rents, insurance premiums and interest shall be prorated as of possession date, which shall be on or before February 17, 19 92.

In case the Buyer shall fail to promptly perform any covenant or agreement aforesaid and to do all things necessary and prerequisite to the consummation of this sale, the Seller may declare a forfeiture of this contract, and all rights of the Buyer shall cease and payments made by him may be retained by the Seller as liquidated damages, and not as a penalty, or the Seller may pursue any other remedy available under the laws of the State of Idaho. In any action brought upon this agreement, the prevailing party shall be entitled to reasonable attorney fees.

This agreement shall bind the heirs, executors, administrators, successors and assigns of the respective parties hereto, and time is of the essence hereof. There are no verbal agreements which modify the terms and conditions hereof.

Broker: None

BUYER: Kenneth C. Masoner 3171 No. 36th St.
KENNETH C. MASONER Boise, Idaho 83703 (Address)

By

BUYER: DEBRA SUE MASONER Debra Sue Masoner Phone: 343-3343

SELLER ACCEPTS the foregoing terms and conditions and agrees to sell the above property to Buyer and to pay the Broker's commission

which the Broker shall have the right to retain from the proceeds of this sale. In the event the earnest money receipted for in connection with this sale is forfeited, Seller agrees that one-half thereof shall be retained by the broker, provided the amount to the broker does not exceed the agreed upon commission due, and the balance shall be paid to the undersigned Seller.

Dated , 19

SELLER: Wallace R. Connolly
WALLACE R. CONNOLLY

STATE OF , COUNTY OF ss. SELLER: EDA RAE CONNOLLY Edarae Connolly

On this day of , 19 , before me, a Notary Public in and for said State, personally appeared

known to me to be the person whose name subscribed to the within instrument, and acknowledged to me that he executed the same.

MICROFILMED

(SEAL) *Notary Public for* *Residing at*

MAR 1 1 2003

My Commission expires

CONTINUED FROM REVERSE SIDE HEREOF: Dated February 7, 19 82

No water is to be transported or conveyed from this lot or property without Sellers consent. Telephone Service to be provided by Buyer. Domestic cold water will be provided by private wells constructed on the lot at the sole cost and risk of the Buyer. Sanitary Sewer System will be in the form of a private system constructed on the lot at Buyers expense. Central District Health has approved the site for percolation. Sellers will provide irrigation water to the lot from Capitol View and Pond Irrigation Companies. Buyers will be provided with Stock in these 2 companies and subject to their assessments. Disposal of waste water is the responsibility of the Buyer. Irrigation and Geothermal waters may vary and no guarantees are made or implied as to the amount of water or the period it may be available. Buyer agrees to build a residence with a minimum house square footage exclusive of garage of 2,500 feet, and approved by the Architectural Committee. Driveways from E. Connolly Street to be constructed at Buyers expense. Seller to provide subdivision Covenants. Easements pertaining to this lot are contained in the final plat. Further Utility Easements are contained in the Sales Agreement.

BROKER:

By_____

SELLER:_____

SELLER:_____ BUYER:_____

MICROFILMED
MAR 1 1 2003

2

2

ALL-STATE LEGAL® 800-222-0510

MICROFILMED
MAR 1 1 2003

ADDENDUM TO RECEIPT AND AGREEMENT TO PURCHASE

That Receipt and Agreement to Purchase between Wallace R. Connolly and Eda Rae Connolly, collectively as "Seller" and James Barsby and Janice Barsby, collectively as "Purchaser", dated 4-10-94, contains the following additional terms and conditions.
Each lot shall be subject the following additional terms and conditions:

GEOTHERMAL SUPPLY AND DISCLAIMER: All geothermal rights, permits, applications and rights to future development are and will be reserved in Sellers. Geothermal water will be made available to the lot lines by Seller via water line. Purchaser is responsible for piping water to each residence from the lot line. Seller will provide water to Lots 3 and 4 free of charge for the first year of lot ownership. After that time, water will be supplied at a rate of 50% of the cost of heating with natural gas with comparable BTU value. The percentage rate and amount to be charged for supply of geothermal water may be determined and adjusted by Seller annually on January 1st of each year. Geothermal water use by Buyer shall not exceed 0.03 cubic feet per second or twenty (20) gallons per minute. Buyer shall conserve geothermal water and not waste it or use it in an inefficient manner. Buyer expressly acknowledges that geothermal water is a naturally occurring phenomenon and Seller does not guarantee that it will always be available. Seller retains the right to take any action necessary to comply with governmental laws, regulations and requirements of any kind or nature and Buyer agrees not to engage in any action which jeorpardizes Seller's existing geothermal water rights or future development of the resource by Seller. Seller may terminate supply of geothermal water to Buyer, or its successors or assigns, if there are changes in the naturally occuring volume or quality of water or changes in the regulatory climate. In the event of significant regulatory changes or changes in legal requirements concerning the supply of geothermal water, Seller shall have the option to terminate supply of water to any and all third parties including Buyer. Buyer expressly acknowledges that availability of geothermal water in the future is not warranted or guaranteed by Seller and no right to water is being sold or transferred to Buyer as part of this transaction. Seller may at any time in the future form a cooperative, corporation or other entity to own and distribute geothermal water and Buyer agrees to cooperate in any such efforts and not to obstruct same. Buyer is responsible for proper disposal of geothermal water on Purchaser's own lot(s) and Purchaser shall not attempt to sell or transfer rights in any surplus or waste geothermal water.

In lieu of metering the use of geothermal water during the initial five years of ownership by Purchaser, Seller will make geothermal water available to Purchaser for a flat fee of $600 per year per residence and per lot after the first year, which shall be

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MAR 1 1 2003

without charge. The six hundred dollar figure is an estimate of the geothermal water necessary to heat a residence of approximately 3000 square feet. Water use shall at no time exceed 20 gallons per minute per residence with no more than one residence per lot. This is based upon usage during an approximate six month heating season and is conditioned upon Purchaser conserving the resource and not wasting it. Seller reserves the right to install a meter and charge for use under the paragraph set forth above at any time after the first year.

IRRIGATION WATER: Irrigation water shall be made available through Capitol View Irrigation District (1\2 share per acre) and Pond Irrigation District (approximately 1 share per acre).

DOMESTIC COLD WATER: It is agreed that Buyer shall have a well or well(s) drilled to service the lots purchased under the agreement. If well water is not available to Buyer in the amount of at least five (5) gallons per minute per lot, Seller will make water available to Purchaser from Seller's well contingent upon Purchaser paying the expense of hook up. Such water shall be metered and Purchaser shall pay for the water at the same rate paid by Boise City residents to Boise Water Corporation. Seller and Purchaser shall entered into a well share agreement or make arrangements satisfactory to Seller for well and pump maintenance. Such provision of water by Seller is contemplated as a last resort and as a provisional measure until city water becomes available from the City of Eagle.

SEPTIC SYSTEMS: Seller warrants that at the time of conveyance, the lots have sufficient percolation capacity to meet government requirements for installation of septic tanks and drain fields.

The property will be deeded subject to reservations of geothermal rights in Seller. The terms and conditions of this addendum shall survive closing.

Dated this 16 day of April, 1994.

Seller

Wallace R. Connolly

Edna Lee Connolly

Purchaser

[redacted]

[redacted]

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Connolly Construction Co.
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS
SINCE 1953

Building Customer Satisfaction for over 40 years

September 12, 1996

James B. and Janice E. Barsby
2610 Connolly Lane
Boise, ID 83703

Dear Jim and Janice:

In response to your letter of 8/29/93 (1996), we find the following:

It is obvious that we both read the agreement differently. We would not have included "per lot" if we didn't expect to be paid $600.00 per lot.

We do, however, agree on the following facts:

1. When in use, you are using more than 20 gpm;
2. You are heating more than 3,000 square feet;
3. You want the geothermal water more than six months per year.

Also, since one has no leverage to collect on water after it is used, we feel prepayment before usage is only logical.

Likewise, we do not wish to have any disagreements, but intend to be neighborly and businesslike.

Please review the above items and give us your thoughts.

Sincerely,

Cullen W. Connolly

Wallace R. Connolly

CWC/msc

9351 W. State St. • Boise, Idaho 83703 • Office 853-4551 • FAX 853-4553
State Lic. # 5178-AAA-3

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MAR 1 1 2003

4

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MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

August 24, 2001

Wallace Connolly
4983 Brookside Ln
Boise ID 83703

Re: Permit 63-11505

Dear Mr. Connolly:

Before Idaho Dept. of Water Resources (IDWR) can issue a license for permit no. 63-11505 for domestic and heating uses, a detailed description of the heat systems serving the five homes that use the geothermal artesian well as a heat source must be submitted. Please include documentation that the heat systems have been installed and are operating. This can include receipts, photos, installation records, etc.

Please submit the above requested information within 30 days from the date of this letter. If the information is not received by September 24, 2001, permit no. 63-11505 will be cancelled.

Please notify me at this office if you have any questions.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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MAR 1 1 2003

RECEIVED
MAY - 8 200-
Department of Water Resources

File #19-301.0000
Connolly - Geothermal Well Licensing

DOCUMENTS INDEX
SIDE B

Tab #	Date	Description
1	1/22/93	IDWR Field Inspection Report - File No. 63-11505
2	1/25/93	Memorandum to Tim Luke from Rob Whitney re Inspection of Connolly LT Geothermal Well #63-11505
3	1/25/95	Proof Acknowledgment Letter to Wallace and Eda Rae Connolly from Julie L. Yarborough of IDWR
4	11/15/95	Handwritten note regarding investigation of impoundments
5	1/5/96	Correspondence to A.R. Mason from Gary Spackman of IDWR
6	8/10/01	IDWR Water Permit Report 63-11505
7	8/10/01	Electronic correspondence to Gary Spackman from Steve Lester re Complaint about Connolly hot well & ponds at Brookside Lane
8	8/24/01	Correspondence to Wallace Connolly from Lori Graves of IDWR
9	10/18/01	Correspondence to Wallace Connolly from Lori Graves of IDWR
10	11/13/01	Correspondence to Steve Lester of IDWR from Wallace Connolly
11	11/26/01	Correspondence to James & Janis Barsby from Lori Graves of IDWR Correspondence to Dr. Sky Blue from Lori Graves of IDWR
12	11/26/01	Correspondence to Ken Masoner from Lori Graves of IDWR
13	12/28/01	Correspondence to Wallace Connolly from Gary Spackman of IDWR
14	1/22/02	Application for Permit - Indent. No. 63-31408 (**NOTE**: multiple different dates appear on this document, e.g., 2/6/00, 1/22/01, and 1/22/02)
15	1/25/02	IDWR Staff Analysis Sheet - Beneficial Use Field Report
16	1/25/02	IDWR Beneficial Use Field Report - Permit No. 63-11505
17	1/31/02	Memorandum to Connolly Storage Application File from Lori Graves of IDWR

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MAR 1 1 2003

File No. 65-11505

STATE OF IDAHO
Department of Water Resources

FIELD INSPECTION REPORT

1. Date: 1-22-73 Time: 11:30A Photos: X Yes ___ No

2. Inspection involves: X Water Rights ___ Dam Safety X Well Construction or Driller ___ Waste Well ___ Stream Channel Alteration ___ Water Distribution X Other Geothermal LT

3. Reason for Inspection: Complaint by A.R. Mason 939-6591

4. Stream name: N/A

5. Stream characteristics: N/A

6. Stream width: ___ Depth: ___ Gradient: ___ Q: ___ est. ___ meas. ___

7. Location: ___ 1/4 NE 1/4, Sec. 34, Twp. 5N, Rge. 1E, County Ada
Landmark: N of House

8. Person(s) contacted: Wallace Connolly 939-0441

9. Dam name: ___ Spilling: ___ No ___ Yes Q ___
Outlet open: ___ No ___ Yes Q ___ Spillway open: ___ Yes ___ Fibrd ___ Gate open
Freeboard: Spillway ___ Crest ___ Res. stage: ___ Rising ___ Falling ___ Rate

10. Area characteristics: ___

11. Weather conditions: ___

12. Describe activity/conditions inspected: Photos taken of Dams & well - Dams are less than 10ft and hold less than 2acft RW

13. Are all requirements being met? ___ Yes
If not, check type violated: ___ Statutory ___ Rules & Regs ___ Permit

14. Describe impact on others: See Attached Memo 1-25-93 RW

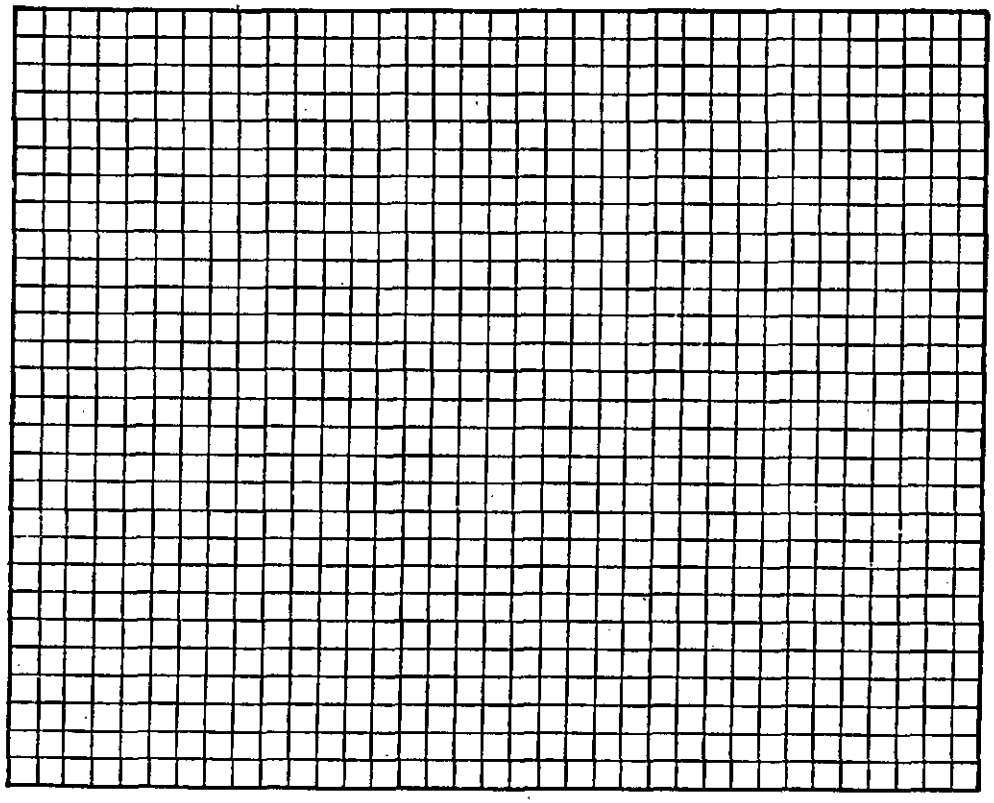
15. Describe alternatives: ___

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16. Remarks Mr Connolly Stated that the Small Impoundments were being used to catch water used in developing the well and for watering stock.

17. Followup Necessary: ___ Yes ___ No Describe: _____

18. Sketch: Include direction, important dimensions, photo locations, landmark or reference point



19. Action taken at time of inspection: _____

20. Signed: RB Whitney

21. Follow up action: Date: _____ Additional Memo Prepared: ___ Yes ___ No

Describe: _____

22. Signed: _____

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Memorandum

To: Tim Luke
From: Rob Whitney
RE: Inspection of Connolly LT Geothermal Well #63-11505
Date: January 25, 1993

Pursuant to the complaint you received from Mr. Mason, I conducted a field inspection and contacted the well owner to determine the extent of use from the subject well. There are two small impoundment structures that are apparently being used to catch water from the well during additional development and also to supply stockwater under the permitted domestic use. These impoundments will ultimately catch water that has been used for heating of homes and for stock. It did not appear that Mr. Connolly was using water in excess of the permitted use. I discussed this with Mr. Connolly this date to verify these assumptions which seem to be correct. Additionally, attached is a field report, well inspection form and photos for your file.

RBW

RBW

- Called Mr. Mason on 1-28-93
After he talked w/Tim Luke to explain Mr. Connolly's activities. I gave him my phone # and said to call if he needed anymore info.
RW

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State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

January 25, 1995

EDA RAE CONNOLLY
WALLACE R CONNOLY
4983 BROOKSIDE LANE BOISE ID 83703

RECEIVED
JAN 26 1995
WATER RESOURCES
WESTERN REGION

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 63-11505

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit.

Please be advised the your permit (copy enclosed) only authorizes a diversion of 0.22 cfs for heating and domestic use for five (5) homes. This water right does not authorize a diversion of water for irrigation of 25 acres as you stated on the proof.

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the WESTERN Regional Office in Boise, at (208)334-2190.

Sincerely,

Julie L. Yarbrough

JULIE L. YARBROUGH
Senior Secretary

c: IDWR - Region

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MAR 1 3 2003

Form No. 217
7/94

RECEIVED
JAN 18 1995
Department of Water Resources

FOR OFFICE USE ONLY
Amt. of Fee $: 100.00
Receipt No. C031991
Receipt By: RF
Date Receipted: 1-18-95

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 63-11505 Telephone No. 853-4551 939-0441

2. Name(s) of Permit Holder(s): WALLACE R. & EDA RAE CONNOLLY

3. Mailing Address: 4983 BROOKSIDE LANE, BOISE, IDAHO 83703

4. Source of Water: WELL If **GROUNDWATER** (well), Date Drilled: mo.____ / yr.____

a. Well Driller: LEONARD JUSTICE Drilling Permit Number: ____ - ____ - ____ - ____

b. ***OPTIONAL:***
Pump Horsepower: ____ Pressure (psi): 10 Dynamic pumping level (ft): 0, FREE F/C

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): 5 Stockwater (No. and type of stock): 50, CATTLE, HORSES.

Irrigation (No. of acres): 25 Other: HEATING 5 HOUSES.

6. Total rate of diversion and/or volume for which proof is submitted: 1.00 cfs OR ____ acre feet

7. Measuring Device Requirement: **(refer to the approval conditions on your permit and respond accordingly)**
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes X or No ____
Has the measuring device been installed? Yes X or No ____

Flow Measurement Port: Is a flow measurement port required? Yes X or No ____
Has the measurement port been installed? Yes X or No ____

8. Fee Enclosed: $ 100.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: WALLACE R. CONNOLLY Telephone Number: 853-4551 939-0441

Address: 4983 BROOKSIDE LANE, BOISE, IDAHO 83703

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Wallace R. Connolly Date: 1-16-95
(include your title, if on behalf of company of organization)

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MAR 1 1 2009

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MAR 1 1 2009

* ROB WHITNEY CONDUCTED ANOTHER INVESTIGATION OF THE IMPOUNDMENTS THE DAY OF MY FIELD EXAM 11/15/95 & CONFIRMED THE APPLICANT WAS STILL IN COMPLIANCE. THE SITE CHECK WAS DUE TO A NEIGHBORS COMPLAINT. lg

H=710 or 50 AFB

1/19/93

A.R. MASON
4241 Brookside Dr.
Boise ID
939-6591

RE: Permit 63-11505

Alleging NO use is being made of ~~water~~ water is being run into some type of ~~another~~ dam or 2 dams; ONE on either side of hill, started filling ONE POND each weekend; other POND has been filled last fall - Oct. or Nov.

& potential wasting of resource

I told Mr. MASON I would investigate matter. Mason alleges most of illegal use on weekends & after 5:00 p.m.

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MAR 1 7 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

RECEIVED
JAN 04 1996
WATER RESOURCES
WESTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

January 5, 1996

A.R. Mason
4241 Brookside Ln
Boise ID 83703

RE: Use of low temperature geothermal water by R. Wallace Connelly

Dear Mr. Mason:

In response to my visit, Lori Graves, an examiner for the Department of Water Resources, visited the property of Mr. Connelly on November 15, 1995, and examined his use of water. I have enclosed copies of the more important documents she prepared. At the same time, Robert Whitney of our office also visited the site to confirm whether Connelly had changed the system since his last visit to the site.

Rob found that Connelly had not significantly changed his system or operation since his visit in 1993. Rob felt that Mr. Connelly was operating his well within the allowable bounds of his water right permit.

If you have further questions, I suggest you contact Lori Graves or Rob Whitney at our Western Region Office at 334-2190.

Sincerely,

Gary Spackman

Gary Spackman

cc: Rob Whitney
Lori Graves

enclosure

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MAR 1 1 2003

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MAR 1 1 2003

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 63-11505

WATER RIGHT NUMBER: 63-11505

Owner Type	Name and Address
Current Owner	EDA RAE CONNOLLY 4983 BROOKSIDE LANE BOISE, ID 83703 (208)939-0441
Current Owner	WALLACE R CONNOLLY 4983 BROOKSIDE LANE BOISE, ID 83703 (208)939-0441

Priority Date: 04/01/1991

Basis:

Status: Active

Source: GROUND WATER

Tributary:

Beneficial Use	From	To	Diversion Rate	Annual Volume
HEATING	1/01	12/31	0.110 CFS	
DOMESTIC	1/01	12/31	0.110 CFS	
		Total Diversion:	0.220 CFS	

Location of Point(s) of Diversion

GROUND WATER SW1/4NE1/4 Sec. 34, Twp 05N, Rge 01E, B.M.

ADA County

Place of Use

HEATING

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N 01E 27															X		
05N 01E 34			X														

Total Acres: 0

DOMESTIC same as HEATING

Conditions of Approval:

1. 26A Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.

Remarks:

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IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 63-11505

1. General — Water diverted for domestic and heating purposes may be used for the secondary use of up to 1/2 acre of irrigation for each domestic use only after being used primarily for the heat value of the water.^^^ The rate of diversion for domestic and heating purposes shall be proportionately limited to the number of homes actually using the water.^^^ Diversion for fish propagation and irrigation purposes is not allowed under this water right except as allowed in condition to No. 3 above.^^^ This permit does not authorize the construction of a new well or alteration, deepening or enlargement of the existing well.^^^ The Director retains jurisdiction of this permit to require installation of a measuring device, pressure and temperature measuring equipment, and to require periodic reporting on a frequency determined by the Director. The Director also retains jurisdiction of the permit and any license issued to require reinjection of the low temperature geothermal ground water upon determination of need by the Director.^^^ Domestic use is for 5 homes.^^^ Heating use is for 5 homes.^^^

Comments:

1. GUSTAFSO 12/12/1991 20 day callup
Comment: 20 day call up - proposed memorandum and order issued

2. VAULT 1/18/1995 Proof of Beneficial Use Rcvd
Comment: Proof of Beneficial Use Rcvd

Dates and Other Information:

Permit Proof Due Date: 2/1/1995
Permit Proof Made Date: 1/18/1995
Permit Approved Date: 2/7/1992
Permit Moratorium Expiration Date:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Field Exam Date: 11/30/1995
Date Sent to State Office:
Date Received at State Office:
State or Federal:
Owner Name Connector:
Water District Number:
Generic Max Rate Per Acre:
Generic Max Volume Per Acre:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Carey Act Number:
Mitigation Plan: False

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MAR 1 1 2003

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

RECEIVED
FEB 12 1992
Department of Water Resources
Western Regional Office

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

February 11, 1992

Wallace R. and Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

Re: In the Matter of Permit No. 63-11505 in the name of the Wallace R. and Eda Rae Connolly

Dear Permit Holder:

Enclosed is a copy of the Final Memorandum Decision and Order in reference to the above mentioned permit.

Any person who does not agree with the decision of the department may request a rehearing before the Director within 20 days, or may appeal directly to the district court within 30 days of the date the decision is mailed.

If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

L. Glen Saxton

L. GLEN SAXTON
Chief, Water Allocation Bureau

Enc: Final Order
Certificate of Mailing

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MAR 11 2003

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR PERMIT NO. 63-11505 IN THE NAME OF WALLACE R. AND EDA RAE CONNOLLY	FINAL MEMORANDUM DECISION AND ORDER

This matter came before the Idaho Department of Water Resources (department) as an application for permit filed by Wallace R. and Eda Rae Connolly (applicant). The department conducted a hearing in connection with the protested application and on December 12, 1991, issued a Proposed Memorandum Decision and Order to the parties.

On December 26, 1991, the applicant filed exceptions to the proposed decision and the protestants subsequently filed responses to the exceptions of the applicant. The exceptions filed by the applicant are addressed as follows and do not justify changes to the proposed decision:

Finding of Fact 12. and Conclusion of Law 9. The amount of space to be heated (8,000 square feet) was provided by the applicant. If the applicant now wants to heat additional space as reported in the exceptions, the applicant needs to submit a new application for permit to the department to appropriate additional water to heat the additional space.

Finding of Fact 14. The statement of the applicant in the exceptions can not be treated as evidence with respect to the alleged extended season of alleged increase in crop value. The comment about the "Poinsettia White Fly's Life Cycle" is new information and cannot be considered as a part of the hearing record.

Conclusion of Law 5. The statement, while not clear, apparently suggests that the proposed project would create "an oasis in the desert" for wildlife and for that reason is in the local public interest. The statement is unsupported and cannot be considered as a part of the record in this matter.

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Analysis page 8, paragraph t and page 9, paragraph 1. The intent of the statement cannot be determined.

The exceptions suggest that the applicant has successfully provided evidence to justify the use of low temperature geothermal water for irrigation uses by having "met" the three exemption criteria described in Section 42-233, Idaho Code. The applicant has not provided information which would justify the use of the low temperature geothermal water resource for irrigation purposes.

Based on the evidence available and the Director's understanding of the law, the Director makes the following Findings of Fact, Conclusions of Law, Analysis and Order:

FINDINGS OF FACT

1. On April 1, 1991, Wallace R. &/or Eda Rae Connolly applied to the Department of Water Resources (Department) for a permit to appropriate 3.00 cubic feet per second (cfs) from ground water from a well located within the SW1/4 NE1/4, Sec. 34, Twp. 5N, Rge. 1E, B.M. to be used as follows:

Purpose	From	To	CFS
Irrigation	03-15	11-15	0.80
Fish Propagation	01-01	12-31	2.22
Domestic	01-01	12-31	0.11
Heating	01-01	12-31	2.22

Notice of the application was published in the Idaho Statesman on May 2 and 9, 1991.

2. Protests against approval of the application were received from several parties. A list of protestants is attached hereto as Attachment A and is incorporated herein by reference.

3. On July 17, 1991, the Department conducted a conference to discuss the application and review potential resolutions of the protests. The conference did not resolve the concerns of the protestants.

4. On August 29, 1991, the Department held a hearing in this matter. Applicant Wallace R. Connolly was present and was represented by attorney Alan Kofoed. All protestants were present or represented by their spouses at the hearing except for Marvin

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MAR 1 1 2003

and Joanne Lewis, who were unable to attend the hearing but who submitted a letter for the record on August 27, 1991. Steve Purvis and Grace Anderson were not formal protestants but attended the hearing and requested to intervene. The applicant objected to this proposal and the Hearing Officer denied the intervention request based on non-compliance with Practice and Procedure Rule 6,3.

5. The protestants raised objections to the proposed diversion by alleging that:

(a) the diversion would reduce the quantity of water under existing water rights;

(b) the water supply is insufficient for the proposed uses;

(c) the application was filed for speculative purposes;

(d) the applicant does not have sufficient financial resources with which to develop the project;

(e) the diversion would conflict with the local public interest; and,

(f) the proposed project would be contrary to the conservation of water within the State of Idaho.

6. The Hearing Officer allowed the record to be held open for ten (10) days after the hearing, for the purpose of allowing comment regarding exhibits submitted in the hearing. During this period one letter was received, from Joyce and Milan Jackson.

7. The well that has been identified as the point of diversion for this proposed water use is already constructed, to a depth of 1540 feet according to a Well Driller's Report submitted to the Department by Justice Drilling on December 18, 1989. The applicant testified that this well has been grouted and sealed with 12 and 16 inch diameter casings to prevent flows between aquifers, and that the production casing has a 6 inch diameter. He further testified that if the controlling valve is opened, the well will free-flow at 500 gallons per minute, or about 1.11 cfs, with a temperature of up to 140 degrees Fahrenheit (F). As defined below, low temperature geothermal water has a temperature of between 85 degrees F and 212 degrees F, so this well is considered to be a low temperature geothermal well.

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MAR 1 1 2003

8. Donald J. Watts, P.E., prepared for the applicant a report titled Dry Creek Area Groundwater Hydrology Report, dated April 9, 1991. This report describes a study including 13 wells in the vicinity of the low temperature geothermal well identified in the application. The study demonstrates that most of the 13 wells are shallower than 500 feet, and the water supplies diverted from these wells have temperatures of less than 85 degrees F.

9. The Department considers low temperature geothermal aquifers in the Boise River basin to have minimal hydraulic interconnection with the cold water aquifers, relative to impact on the availability of water supplies. From a water right standpoint, therefore, the low temperature geothermal aquifers in the basin are administered as distinct from the cold water aquifers.

10. None of the protestants presently divert low temperature geothermal water.

11. The point of diversion identified in this application is not located within the boundary of the Boise Low Temperature Geothermal Resource Ground Water Management Area designated by the Director of the Department on June 10, 1988. Thus, the proposed water use is not subject to the Management Policy developed for the Boise Front.

12. In a letter to the Department dated May 9, 1991, the applicant estimated that the space heating need for the project proposed by the application would include 8,000 square feet of households with typical thermal insulation values of R-30. Standard Department computations demonstrate that the required rate of flow for heating the homes is 0.03 cfs. In addition, some hot water is needed to provide for heat transmission losses in the lines that connect the well to the houses.

13. The applicant testified that he does not intend to develop the fish propagation water use into a commercial operation, but instead intends to raise fish as a hobby.

14. The land proposed to be irrigated under this water right has no other existing, recorded water rights. The applicant explained that the heat value of the water extends the season of

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MAR 1 : 2003

use of the water for irrigation purposes. The hearing record doesnot include any quantification of the number of days for which the growing season is extended, or the resulting increase in crop value as a result of the use of low temperature geothermal water.

15. The applicant testified that there is surface water available for irrigation in the vicinity of the proposed project from the Capitol Irrigation District.

16. The applicant demonstrated that he intends to develop the water uses as described in the application, and showed that the application was not filed for delay or speculative purposes.

17. The applicant has sufficient financial resources with which to develop the proposed project.

CONCLUSIONS OF THE LAW

Applicable Legal Principles

1. Idaho Code, Sec. 42-203A(5) states in part as follows:

> The director of the department of water resources shall find and determine from the evidence presented to what use or uses the water sought to be appropriated can be and are intended to be applied. In all applications whether protested or not protested, where the proposed use is such (a) that it will reduce the quantity of water under existing water rights, or (b) that the water supply itself is insufficient for the purpose for which it is sought to be appropriated, or (c) where it appears to the satisfaction of the director that such application is not made in good faith, is made for delay or speculative purposes, or (d) that the applicant has not sufficient financial resources with which to complete the work involved therein, or (e) that it will conflict with the local public interest, where the local public interest is defined as the affairs of the people in the area directly affected by the proposed use, or (f) that it is contrary to conservation of water resources within the state of Idaho; the director of the department of water resources may reject such application and refuse issuance of a permit therefor, or may partially approve and grant a permit for a smaller quantity of water than applied for, or may grant a permit upon conditions.

2. Idaho Code, Sec. 42-226 states in part as follows:

> It is hereby declared that the traditional policy of the state of Idaho, requiring the water resources of this state to be devoted to beneficial use in reasonable

MICRO
MAR 1 1 2003

amounts through appropriation, is affirmed with respect to the ground water resources of this state as said term is hereinafter defined and, while the doctrine of "first in time is first in right" is recognized, a reasonable exercise of this right shall not block full economic development of underground water resources.

3. A low temperature geothermal resource is defined in Idaho Code, Sec. 42-230 as:

> ... All ground water having a temperature of greater than eighty-five (85) degrees Fahrenheit and less than two hundred twelve (212) degrees Fahrenheit in the bottom of the well...

4. Use of low temperature geothermal water is regulated in part by Idaho Code, Sec. 42-233, which states in part:

> ... The appropriation may be perfected by means of the application, permit and license procedure as provided in this chapter for ground water, provided that low temperature geothermal resources shall be utilized primarily for heat value and secondarily for the value as water. Usage of a low temperature geothermal resource primarily for reasons other than heat value is not a beneficial use of the resource, unless the director of the department of water resources exempts the proposed use. The director may exempt a proposed use if the director finds that the proposed use satisfies the following criteria: (i) there is no feasible alternative use of the resource, (ii) there is no economically viable source of water having a bottom-hole temperature of eighty-five (85) degrees or less in a well available; (iii) the exemption is in the public interest.

5. Consideration of the local public interest criterion of Idaho Code, Sec. 42-203A(5) is defined by the Department Water Appropriation Rules and Regulations, Rule 5,1,5, to include:

> ... the effect the project will have on the economy of the local area affected by the proposed use as determined by the employment opportunities, both long and short term, revenue changes to various sectors of the economy, short and long term, and the stability of revenue and employment gains; the effect the project will have on recreation, fish and wildlife resources in the local public area affected by the proposed use; and compliance with applicable air, water and hazardous substance standards, and compliance with planning and zoning ordinances of local or state government jurisdictions.

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Application of Legal Principles

6. There is water available for appropriation in the low temperature geothermal aquifer in the vicinity of the proposed diversion. Such appropriation is not anticipated to impact the availability of water in the nearby shallower, cold temperature wells.

7. The application is found to have been made in good faith and not for delay or speculative purposes.

8. The applicant has demonstrated sufficient financial ability to complete the project as proposed.

9. The diversion rate of 2.22 cfs sought for heating uses should be reduced, since a total diversion rate of 0.11 cfs is adequate to heat the 8,000 square feet proposed. The rate of 0.11 cfs includes enough water for the calculated 0.03 cfs for heating plus an allowance for transmission heat losses. The use of the low temperature geothermal water resource in excess of 0.11 cfs for the extent of heating proposed in the application is contrary to the conservation of water resources within the state of Idaho.

10. The proposed use of 2.22 cfs for hobby fish propagation purposes is not in the local public interest and is contrary to the conservation of water resources within the state of Idaho. The use does not significantly benefit the economy either short term or long term and the proposed use likely will not increase employment opportunities or revenues of the local area. Other public benefits are minimal.

11. The use of low temperature geothermal water as a primary source of water for irrigation purposes is not in the local public interest and is contrary to the conservation of water resources within the state of Idaho. The department should not grant an exemption pursuant to Section 42-233, Idaho Code, to allow the low temperature geothermal water resource be used for its value as water in connection with the proposed irrigation rather than for its heat value.

12. The Department should partially approve the application.

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ANALYSIS

Sec. 42-233, Idaho Code, requires that low temperature geothermal water be utilized primarily for heat value and secondarily for the value as water unless the Director exempts a use.

The applicant proposes to divert 0.11 cfs for domestic uses in homes. The present use of the term "domestic" in Idaho water right administration allows water to be used for such varied purposes as culinary uses, swimming pools and home space heating. For many of these uses the heat value in the low temperature geothermal resource is a benefit that can reduce other household energy costs. For such uses, therefore, heat value is primary and water value is secondary. Thus, the application can be approved as consistent with the statutory provisions. Relative to amount, 0.11 cfs is typically allowed for culinary uses in five households.

The applicant proposes to divert 2.22 cfs for heating purposes. Department computations show that the 0.11 cfs is ample for space heating of the proposed homes.

The 2.22 cfs of low temperature geothermal water sought for fish propagation use is comparable in magnitude to some of the major space heating diversions in the Boise area. For example, a rate of approximately 2.67 cfs is used to heat 400,000 square feet of space in the Veterans Hospital in Boise. The use of 2.22 cfs of low temperature geothermal water for hobby fish propagation purposes is excessive and is contrary to the local public interest.

Finally, the applicant proposes to divert 0.80 cfs for the irrigation of 40 acres. Although the irrigation of land is a beneficial use of water, this use must be examined in the context of irrigation by a low temperature geothermal resource. Since irrigation does not use geothermal water primarily for its heat value, the Director would have to issue an exemption pursuant to Idaho Code, Sec. 42-233 before the irrigation use would be allowed.

The first exemption criterion is whether there is a feasible alternative use of this resource. There have been no other applications for development of this low temperature geothermal

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aquifer. However, the nearby Boise Front low temperature geothermal aquifer appears to be fully appropriated for space heating uses. Thus, it is likely that as urbanization of Ada County continues, the aquifer from which the applicant proposes to divert will receive many other requests for diversions for heat value uses.

The second criterion is that there is no other economically viable source of water having a bottom hole temperature of 85 degrees F or less available. Information presented in Mr. Watts' report indicates that there are untapped cold water supplies in the vicinity of the low temperature geothermal well.

The third criterion is whether the exemption is in the public interest. This public interest is to be distinguished from the "local public interest" as defined above. In this particular situation, where the geothermal aquifer is located within two miles of another aquifer that is so fully appropriated for space heating and other low temperature geothermal purposes that additional appropriations are not allowed, it would seem imprudent to allow an exemption for the use of valuable geothermally heated water for irrigation purposes. If indeed the use of geothermally heated water for irrigation results in the extension of the growing season, there is likely only a limited season when the heat value could be utilized beneficially by the crops.

In summary, with respect to the provisions of the low temperature geothermal statute, this application should be approved for domestic and heating uses but must be denied with respect to the fish propagation and irrigation uses. The domestic use allows for the secondary use of irrigation of up to one half (1/2) acre for each domestic use.

ORDER

It is ORDERED that Application for Permit No. 63-11505 is HEREBY APPROVED IN PART, subject to the following conditions:

1. This water right is subject to all prior water rights.

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2. The rates of flows allowed to be diverted under this water right permit are limited as follows:

Use	Amount	Period of Use From	To
Domestic	0.11 cfs	January 1 -	December 31
Heating	0.11 cfs	January 1 -	December 31
	Total: 0.22 cfs		

3. Water diverted for domestic and heating purposes may be used for the secondary use of up to 1/2 acre of irrigation for each domestic use only after being used primarily for the heat value of the water.

4. The rate of diversion for domestic and heating purposes shall be proportionately limited to the number of homes actually using the water.

5. Diversion for fish propagation and irrigation purposes is not allowed under this water right except as allowed in condition to No. 3 above.

6. This permit does not authorize the construction of a new well or alteration, deepening or enlargement of the existing well.

7. The Director retains jurisdiction of this permit to require installation of a measuring device, pressure and temperature measuring equipment, and to require periodic reporting on a frequency determined by the Director. The Director also retains jurisdiction of the permit and any license issued to require reinjection of the low temperature geothermal ground water upon a determination of need by the director.

8. Proof of construction of works and application of water to beneficial use shall be submitted on or before February 1, 1995.

Dated this 7TH day of FEBRUARY, 1992.

R. Keith Higginson
Director

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MAR 1 1 2003

ATTACHMENT A

Application For Permit
No. 63-11505 In the Names of
Wallace R. &/or Eda Rae Connolly

PROTESTANTS

John & Pearl Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

A.R. Mason
4241 Brookside Lane
Boise, ID 83703

Marvin & Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

Milan & Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Gustave & Helen Weisshaupt
5005 Brookside Lane
Boise, ID 83703

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CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT on the 17th day of February 1992, a true and correct copy of the FINAL MEMORANDUM DECISION AND ORDER was mailed, postage prepaid to:

Wallace R. and Eda Rae Connolly
4983 Brookside Lane
Boise, ID 83703

John and Pearl Compton
3550 Brookside Lane
Boise, ID 83703

W. Scott Neal
4401 Brookside Lane
Boise, ID 83703

A. R. Mason
4241 Brookside Lane
Boise, ID 83703

Marvin and Joanne Lewis
4400 Brookside Lane
Boise, ID 83703

Sandra Schubert
4201 Brookside Lane
Boise, ID 83703

Milan and Joyce Jackson
3959 Brookside Lane
Boise, ID 83703

Gustave and Helen Weisshaupt
5005 Brookside Lane
Boise, Id 83703

Karen L. Gustafson
Karen L. Gustafson
Secretary/Records Manager

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MAR 1 1 2003

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MAY 7 ; 2003

Lester, Steve -

From: Lester, Steve
Sent: Friday, August 10, 2001 4:31 PM
To: Spackman, Gary
Cc: Westra, John; Whitney, Rob; Graves, Lori
Subject: Complaint about Connolly hot well & ponds at Brookside Lane

Gary:

Alvin Mason was one of the protestants in Connolly permit 63-11505. Mason lives just below the 2 ponds Connolly built by Brookside Lane in conjunction with Connolly permit. Mason visited the office today to complain about the use of the hot water well in 63-11505.

Lori did the field exam in 1995. Exam remains at Western. John & Rob have inspected the site since then. Some dam safety and well issues might remain.
Water right file on shelf has John's dam safety file attached.

Mason is worried about leaking dam at pond next to his house. Plus concerns about ponds being so close (about 100') to his septic area. Said fire trucks almost got stuck by ponds when trying to reach a burning house by Connolly well. Wonders why Connolly can use hot water well to keep these ponds full. Mason raised some good water right questions we should address in this complaint.

At first glance I don't see how the water right authorizes storage ... looks way beyond the "24 hour rule" but I am not familiar with all the history & details.

Should we (who?) talk about it early next week to reply to complaint?

Steve

Contract info - see attached flyer

P/D found, NE¼ S. 34 ground water — Connolly { 63-11505 Permit; 63-21031, 63-22183 } partial decrees

John, Gary } emails & visit on this

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

August 24, 2001

Wallace Connolly
4983 Brookside Ln
Boise ID 83703

Re: Permit 63-11505

Dear Mr. Connolly:

Before Idaho Dept. of Water Resources (IDWR) can issue a license for permit no. 63-11505 for domestic and heating uses, a detailed description of the heat systems serving the five homes that use the geothermal artesian well as a heat source must be submitted. Please include documentation that the heat systems have been installed and are operating. This can include receipts, photos, installation records, etc.

Please submit the above requested information within 30 days from the date of this letter. If the information is not received by September 24, 2001, permit no. 63-11505 will be cancelled.

Please notify me at this office if you have any questions.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

October 18, 2001

Wallace Connolly
4983 Brookside Ln
Boise ID 83703

Re: Permit 63-11505

Dear Mr. Connolly:

This letter serves as a reminder that the Department is waiting for information you agreed to send regarding the heating use listed on permit 63-11505. We are waiting for a detailed explanation for the extent of heating use developed from the geothermal artesian well for your home and also the names and addresses of the other home owners that have access to the geothermal artesian well for heating use.

Please submit the above requested information within 30 days from the date of this letter. If the information is not received by November 18, 2001, the full extent developed under the permit cannot be licensed. The resulting license would be insufficient when compared to the actual water use, leading to additional water right problems and possible enforcement actions required by Idaho law.

Please notify me at this office if you have any questions.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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MAR 1 1 2003

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WATER RESOURCES
WESTERN REGION

Wallace R. Connolly
4983 N. Brookside Lane
Boise, Idaho 83703

November 13, 2001

Steve Lester
Senior Water Rights Supervisor
State of Idaho
Department of Water Resources
2735 Airport Way
Boise, Idaho 83705-5082

Re: Permit #63-11505
Wallace R. Connolly

Dear Mr. Lester:

In reply to our recent telephone conversation we submit the following information. The information contained herein is Personal and Confidential and cannot be released to anyone other than the original homeowners that have access to the geothermal artesian well for heating use.

Lot #5: 4277 N. Brookside Lane, Boise, Idaho 83703 Wallace R.& EdaRae Connolly

The system had been installed and was very satisfactory for about eight years prior to the house and all records being destroyed by fire in February, 2000. The system consisted of 350 feet of two inch PVC piping installed in the sub-floor direct from the well and discharged into a hot tub and ornamental fish ponds. Also, a more sophisticated system including a thermostatically controlled coils was installed in the forced air furnace network. When the system is not in use a minimum flow of 3 gallons per minute is maintained to prevent the pipe from freezing and lower well seal-off. This is a radiant system.

The demolition of the fire destroyed residence should be completed sometime this year and a much larger personal residence and large separate detached shop and barn will be built in the near future. These will all be heated with various quality geothermal water systems. Water flow and conservation is controlled by 3/16 orifice and thermostats. The old structure had a very simple, yet most effective system. The penetration through the brick wall from the well to the home is still in evidence today as well as the geothermal heating coils in the forced air furnace system even though most of the structure was destroyed by the fire. Installation of the system was done by Connolly Construction Co.

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939-[illegible]07

Lot 3 & 4: 2610 Connolly Lane, Boise, Idaho 83703 James & Janis Barsby (original owners)

Nat Gas heat per 11/27/01 telecon

Connolly Construction Co. contract consisted of delivery of geothermal water to the lot line from the well and the owner transported the water by pipe from that point. We had a 3/16 orifice with gravity flow. We did see the owner had a distribution system mounted in his garage consisting of furnace coils and radiant piping.

The owner built one large structure on each lot, each with geothermal heating systems with the used water discharged into a large ornamental pond of about ¼ acre. This is a radiant heat system with a 5foot trench delivery system. The steep sloping driveway has a sub-surface radiant heating system also.

939-4324

Lot 2: 2601 Connolly Lane, Boise, Idaho 83703 Ken and Debra Masoner (original owners)

Natural Gas heat per 1/23/01 telecon

Connolly Construction Co. contract consisted of delivery of geothermal water to the lot line from the well and the owner transported the water by pipe from that point. The owner had a carburetor system mounted in the basement in addition to radiant piping poured in the concrete slab. Gravity fed from the well; blue board 2 ½ insulation. U.S. Army Cold Water division wired from computer at well for 600 feet in a five foot trench. Connolly Construction Co. installed insulation, U.S. Army inspected and wired. This computer is currently mounted at well site on Lot #5.

Little Ln SKY BLUE WK- 125 E IDAHO, STE 203, 83712

Lot 1: ~~Old Pearl Road~~, Boise, Idaho 83703 ~~Ken & Pam Smith~~ (original owners - please note: this home has changed hands twice in the last 10 years)

Gas heat per telecon 1/28/01

Connolly Construction Co. had the full home and heat system contract. Consisting of 1,050 feet of 2 inch PVC pipe and 2 inch blue board insulation, full trench width, wired and computer monitored by U.S. Army Cold Water Division. Their large exterior computer system is installed at the well site on Lot #5. This was periodically monitored and they would drain off data. As the two inch pipe reaches the dwelling in a 5 foot trench it goes under the footings and stem walls to the furnace room and up to a full length, multi-sectioned copper coil installed in a forced air furnace. Simply take off the furnace face to inspect. All materials are commercial grade with first class installation. An exterior hot tub was also installed at a later date.

As we built this home, all records and details were lost in the fire. (Our office was in our home at that time).

All the records for the well and heating systems are over ten years old. We have made numerous requests for duplicates, without success. Should you require any additional information concerning the licensing of this well please advise.

Sincerely,

Wallace R. Connolly

Wallace R. Connolly

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

November 26, 2001

Dr. Sky Blue
125 E Idaho
Ste 203
Boise ID 83712

Re: Heating System

Dear Dr. Blue:

In order to finalize paperwork regarding a permit filed by Wallace Connolly concerning a geothermal artesian well, Idaho Dept. of Water Resources needs to know if your home is currently heated with water from Mr. Connolly's well or from a different source, such as electric or natural gas.

Please call me at 208-334-2190 with the above requested information as soon as possible. Thank you.

Sincerely,

Lori Graves

Lori Graves
Sr. Water Resource Agent

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

November 26, 2001

James and Janis Barsby 339-2407
2610 Connolly Ln
Boise ID 83703

Re: Heating System

Dear Mr. And Mrs. Barsby:

In order to finalize paperwork regarding a permit filed by Wallace Connolly concerning a geothermal artesian well, Idaho Dept. of Water Resources needs to know if your home is currently heated with water from Mr. Connolly's well or from a different source such as electric or natural gas.

Please call me at 208-334-2190 with the above requested information. Thank you.

Sincerely,

Lori Graves
Sr. Water Resource Agent

Plumbed
Hot water not a convenient

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

November 26, 2001

Ken Masoner
2601 Connolly Ln
Boise ID 83703

Re: Heating System

Dear Mr. Masoner:

As a follow-up to our telephone conversation, the following letter was sent to your neighbors, Mr. Connolly and Dr. Blue.

In order to finalize paperwork regarding a permit filed by Wallace Connolly concerning a geothermal artesian well, Idaho Dept. of Water Resources needs to know if your home is currently heated with water from Mr. Connolly's well or from a different source, such as electric or natural gas.

Please call me at 208-334-2190 with the above requested information. Thank you.

Sincerely,

Lori Graves
Sr. Water Resource Agent

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State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

December 28, 2001

Wallace Connolly
4983 N Brookside Ln
Boise ID 83703

Re: Geothermal Artesian Well

Dear Mr. Connolly:

Thank you for providing the information requested by Idaho Dept. of Water Resources (IDWR) concerning the use of your geothermal/artesian well. We were able to contact the owners of lots 1, 2, 3 and 4 and obtain the additional information we were seeking regarding their use of the well.

Based on the limits of the permit and the uses actually developed, water right no. 63-11505 will be licensed for .02 cfs and 2.0 acre feet/year for heating and domestic use for one home located on Lot 5. Please refer to the enclosed computation sheet for heating use. Although the home has been destroyed by fire, domestic and heating uses will be allowed at the licensed rate for a future residence proposed at the same location. Please note that the conditions for water right no. 63-11505 state that the water from said well can only be diverted if being used primarily for the heat value of the water. **Until the new residence has been constructed and the heating system utilized, use of the well is prohibited.** However, the Department recognizes that there may be some need to maintain a minimal artesian flow to preserve the well's integrity. It is then the well owner's responsibility to establish this minimal artesian flow rate in coordination with IDWR, otherwise the well must be valved off.

If you feel a minimum artesian flow rate is necessary to preserve the well's integrity and/or wish to discuss methods of valving flowing artesian wells, please contact Rob Whitney at this office within 30 days from the date of this letter. After 30 days, IDWR will conduct a compliance investigation to make sure the well has been properly valved. Non-compliance will result in department enforcement action required by Idaho Law.

Before secondary water can be diverted into the existing ponds, **an approved water right for storage is required** because .02 cfs cannot fill the existing ponds in 24 hours or less. To be exempt from the application process would require reducing the size of the ponds from approximately 2 acre-feet to .04 acre-feet or less. I have enclosed the necessary application for permit and instructions that must be filed. I have also enclosed

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MAR 2 2003

a list of consultants that you may want to contact for assistance in completing the application.

If you have any questions, please contact me at this office.

Sincerely,

Gary Spackman

Gary Spackman
Western Region Manager

Encl: heating computation sheet

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WATER RESOURCES
WESTERN REGION

63-31408

FORM 202
12/99

Ident. No. ~~63-11505~~

IWRC agree to the following application changes.

2-6-00 Date.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of Applicant WALLACE R. AND EDARAE CONAWAY Phone 208-939-3098
   Mailing address 4983 N. BROOKSIDE LANE - BOISE, ID. 83703-9680
2. Source of water supply ARTESIAN WELL which is a tributary of N/A
3. Location of point of diversion is Township 5N Range 1E Sec. 34, in the ____ ¼, SW ¼, NE ¼, Govt. Lot ____, B.M., ADA County;
   additional points of diversion if any: ~~NW 4 NE 4~~
4. Water will be used for the following purposes: AESTHETIC
   Amount 2.0 (cfs or ~~acre-feet~~ per annum) for STORAGE purposes from 1-1 to 12-31 (both dates inclusive)
   Amount 2.0 (cfs or ~~acre-feet~~ per annum) for STOCKWATER STORAGE purposes from 1-1 to 12-31 (both dates inclusive)
   Amount .04 (cfs or acre-feet per annum) for DIV. to stor purposes from 1-1 to 12-31 (both dates inclusive)
   Amount ____ (cfs or acre-feet per annum) for ____ purposes from ____ to ____ (both dates inclusive)
   Amount ____ (cfs or acre-feet per annum) for ____ purposes from ____ to ____ (both dates inclusive)
   Amount ____ (cfs or acre-feet per annum) for ____ purposes from ____ to ____ (both dates inclusive)
5. Total quantity to be appropriated is (a) .04 cubic feet per second and/or (b) 2.0 acre feet per annum
6. Proposed diverting works:
   a. Describe type and size of devices used to divert water from the source WELL AND 3 IN. PIPE TO POND
   b. Height of storage dam 6 FT. feet; active reservoir capacity 2.0 acre-feet; total reservoir capacity 2.0 acre-feet
   c. Proposed well diameter is 6 IN inches; proposed depth of well is 2000 feet
   d. Is ground water with a temperature of greater than 85°F being sought? YES
   e. If well is already drilled, when? 1991; Drilling firm LEONARD JUSTICE; Well was drilled for (well owner) YES; Drilling Permit No. NA
7. Time required for completion of works and application of water to proposed beneficial use is 1 years (*minimum 1 year*)
8. Description of proposed uses (*if irrigation only, go to item 9*):
   a. Hydropower; show total feet of head and proposed capacity in kW. ____
   b. Stockwatering; list number and kind of livestock. 50 HEAD BEEF CATTLE
   c. Municipal; show name of municipality. ____
   d. Domestic; show number of households. ____
   e. Other; describe fully. PONDS ACCOMMODATE DISCHARGE WATER FROM RT 63-11505

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9. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (*example: D for Domestic*) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5N	1E	34			X														

Total number of acres to be irrigated 0

10. Describe any other water rights used for the same purposes as described above. 63-11505

11. a. Who owns the property at the point of diversion? WALLACE R AND EDARAE CONNOLLY

b. Who owns the land to be irrigated or place of use? SAME

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

12. Remarks: _____

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.) SEE PERMIT # 63-11505

BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Wallace R. Connolly Edarae Connolly

Signature of Applicant (and title, if applicable)

Received by KG Date 1/22/01 Time 11:13 Preliminary check by _____

Fee $ 10000 Receipted by KG # W028642 Date 1/22/02

Publication prepared by AT Date 2-21+28-02 Published in THE IDAHO STATESMAN

Publication approved _____ Date 3-11-02

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MAR 1 1 2003

To Whom It May Concern:

This application for stockwater and domestic storage should be processed for the following reasons:

1. The well is 2000' deep. Water from this deep aquifer is hot, indicating a separate aquifer than the local cold water aquifers. The delayed effects of hot water use from this deep aquifer are minimal, if any, and would probably occur well beyond Star Bridge downstream. In fact, the strata that the hot water originates from has been shown to reach a depth of 7000' as it passes under Meridian, which is much, much deeper than the aquifers that local wells divert from.

2. The surface area of the ponds is less than ½ acre in size, therefore, similar to a domestic lawn in regards to consumptive use.

3. Storage of the hot water is not a primary use. The water used is actually secondary water from right 65-11505, in which .02 cfs is allowed for the heating of one home. A total flow rate of .04 cfs is necessary to preserve the integrity of the well.

4. This application is the result of field exam findings for permit 63-11505. The ponds take longer than 24 hours to fill based on the flow rate recommended for permit 63-11505. Both ponds have existed since 1995 without incidence.

Sincerely,

Wallace Connolly 2-6-00

Wallace Connolly

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MAR 1 1 2003

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR PERMIT NO. 63-31408 IN THE NAME OF WALLACE R. AND EDARAE CONNOLLY	**NOTICE OF PREHEARING CONFERENCE**

On January 22, 2002, Wallace R. and EdaRae Connolly filed with the Department of Water Resources (IDWR) an application for permit to appropriate the public waters of the State of Idaho. The application was protested by Alvin R. Mason.

IDWR has scheduled a prehearing conference for the protest to be held on **Wednesday, April, 24, 2002, at 2:00 p.m. at the Idaho Department of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705.** The conference will be held in accordance with provisions of Chapters 2 and 17, Title 42, and Chapter 52, Title 67, of the Idaho Code, the adopted Rules of Procedure of the Department of Water Resources, and Rules 40 and 45 of the adopted Rules and Regulations of Water Appropriation of the Department of Water Resources.

The conference will be conducted in a facility that satisfies the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations in order to attend, participate in or understand the conference, please advise IDWR within (10) days prior to the conference.

Dated this 22nd day of March 2002.

Gary Spackman

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219-S-A.
5-96

63-11505
Permit No.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Staff Analysis Sheet
Beneficial Use Field Report

A. Prior to Conducting the Exam, the File Contains:

___ Blank Field Report Form

___ Copy of Permit

___ Copy of Proof of Beneficial Use

___ Copies of any Amendments/Orders with Conditions of Approval

___ Well Inspection Form (If Needed)

___ Aerial Photo Required? ___ yes ___ no If yes: ___ copy attached

___ SRBA Claim Required (required if proof filed by 11-19-1987)

___ Yes ___ No If yes: _____ claim filed? (check AJ5, AJQ1, AJQ4)

___ Copy of U.S.G.S. Quad

___ Check for Government Lots. If so, make a copy of government plat

___ Check of P/D index _____ (initial & date)

Overlap ___yes ___no If yes: ___ copy of exam(s) attached?*

Type of Overlap: ___ Same source ___ Other source

___ Check of P/U index _____(initial & date)

Overlap? ___yes ___no If yes: ___ copy of water right(s) attached?*

Type of Overlap: ___ Same land, same source

___ Same land, other source

___ Other land &/or other uses

*copies attached only if needed for analysis

___ Irrigation from groundwater (all basins):

Surface water currently or previously used ___ Yes ___ No

If yes: identify water source, water right, and explain current or previous use.

___ Scheduling Letter Sent? _____(initial & date)

___ Appointment Made and Telephone Conversation Memo Attached

B. After Conducting the Exam, the File Contains:

___ Fully Completed and Signed Field Report Form

___ Photographs of Point of Diversion and Place of Use

C. Review and Processing:

Exam Completed _____ 1/25/02 _____(signature of examiner & date)

Exam Sent to State Office _____(initial & date)

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Form 219
6/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 65-11505

1. Owner Eda Rae and Wallace Connolly Phone No. 939-0441

Current Address: 4983 Brookside Ln Boise ID 83703

2. Accompanied by: Wallace EXAM DATE : 11/15/1995

Address: Phone No.

Relationship to Permit Holder:

3. Source: Ground water tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

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

Ident No.	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	NE	34	5N	1E	Ada	Topo Map

2. Place(s) of Use: Indicate Method of Determination same as above

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5N	1E	34			D/H														

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

See attached handwritten exam

__Y__ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

__N__ Aerial Photo Attached (required for irrigation of 10+ acres).

__Y__ 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**
Artesian					

****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
250 Gal Trough						
Stopwatch						

2. **Measurements:**

.20 cfs

E. NARRATIVE/REMARKS/COMMENTS

A 10" artesian/geothermal well supplies water to 1 home for heating and domestic uses. The home was recently destroyed by fire, but was present at the time of the 11/15/95 exam. Applicant plans to replace the home and continue to use the well for heating and domestic uses. P/u and P/D aka Lot 5, Block 1, Connolly Subdivision.

During the 1995 exam, the well's flow rate and temperature were measured. Three impoundments were found to be used for storage of the spent well water. In response to neighbor complaints, previous department investigations concluded that the total size of the ponds were within the limits of the permit based on a flow rate of .22 cfs. At the time of the 1995 exam, applicant stated that 4 existing homes used the well for heating and domestic uses and that a fifth home lot had been stubbed in for future use. The heating works inside each home were not verified at the time of the exam. Information about the specific heat system designs in each of the homes was requested from the applicant but not submitted. In 2001, applicant was again asked for specifics. Applicant refused to contact his neighbors and instead, provided heat

design specifics for his home located on Lot 5, which had been destroyed by fire, and addresses for the other homes stubbed to his well for heating and domestic uses. I contacted the following owners of the homes:

_____ Sky Blue, Lot 1

_____ Ken Masoner, Lot 2

_____ James Barsby, Lots 3 & 4

A 5th home was obviously not developed. All three owners stated that although they were equipped to use the applicant's well for heating, they never did because the applicant wanted to charge them an amount that was not cost efficient. Instead, all three heat with natural gas and use individual wells for domestic use. As a result, only the applicant's home site, located on Lot 5, can be recognized for beneficial heating/domestic purposes under this permit. A letter was sent to Mr. Connolly 12/28/01 requiring him to valve back the artesian/geothermal well based on the amounts recommended and to also file an application for the ponds, since their total volume now requires a storage right (see attached correspondence).

After consulting with Rob Whitney, we asked the applicant in the letter to determine the amount needed to preserve the geothermal/artesian well's integrity, rather than the department, in case liability becomes an issue if the well develops future problems.

A compliance visit with the applicant was made 1/24/02 at the well site in regards to the specifics of the 12/28/01 letter. The well could be valved completely off, however the applicant stated that he needed a flow rate of ~20 gpm to preserve the integrity of the well. The problem is that preservation of well integrity may not be considered a beneficial use. Gary Spackman suggested that the extra flow be recognized in a condition of the license, not to exceed .04 cfs and/or 13,000 gpd, as determined by the applicant.

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

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F. FLOW CALCULATIONS _____ Additional Computation Sheets Attached

Measured Method:

242.4 gallons x 60 sec/164 sec = 88.7 gpm = .20 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) =

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

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

2. Volume Calculations for Other Uses:

Primary use: Heating

See attached Heat Requirement Worksheet, which calculates applicant's heating needs at .01 cfs (allow .02 cfs) and 8.1 afa.

Secondary use: Domestic

Internal/external domestic use for 1 home: limited to .02 cfs per heating requirement and 1.2 afa per dept standards.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period Of Use		Rate Of Diversion Q (CFS)	Annual Volume V (AFA)
	From	To		
Heating	1/1	12/31	.02	8.1
Domestic	1/1	12/31	.02	1.2
TOTAL			**.02 cfs**	**8.1 afa**

2. Recommended Amendments

__ Change P.D. as reflected above __ Add P.D. as reflected above _x_ None

__ Change P.U. as reflected above __ Add P.U. as reflected above __ Other

I. AUTHENTICATION Lori Graves –Senior Agent

Field Examiner's Name Lori Graves Date 1/25/02

Reviewer _____ Date _____ SEAL

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RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by:	lgraves
Exam Date:	12/14/01
File No:	63-11505
Computations for:	heating

REQUIRED DATA:

Area of livable floor space, ft2 (A)	3200
2 story? (N=1, Y=2)	1
House efficiency factor (e) *	0.67
Inside design temperature (Ti)	70
Average outside temperature (To) **	42
Source temperature, degrees F (S)	130
Heating/cooling days per season (D)	365
Hours/day system operates (H)	18

********** ********** **********

* e values are as follows:

- 0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors
- 0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors
- 0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
- 1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER	SUMMER
4 deg F Boise	80 deg F Boise
6 deg F Grand View	90 deg F Grand View
-8 deg F Cascade	70 deg F Cascade

********** ********** **********

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
Formula: E = [e x (Ti - To)] A
Applies factor of 0.8 for two-story dwelling

E = 60,032 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
Formula: Ts = 0.3 x [S - Ti]

Ts = 18 degrees F

FLOW RATE REQUIRED (at given source temperature)
Formula: Q = E/(500 x Ts) x 448.8

Q = 0.01 cfs

DIVERTED VOLUME OVER SEASON
Formula: Vdiv = Q x D x H/24 x 1.9835

Vdiv = 8.1 AFA

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AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN +  80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.
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Source temp: 130°

GENERAL INFO

ATTACHMENT #2

CONV DATE: 11/14/95

NAME: Wallace Connally

PHONE #: 939-0441/853-4551

PERMIT #: 63-11505

LOCATION OF WELL:

CASING SIZE: 10"

HP: free flowing artesian

DYNAMIC:
STATIC: X
DEPTH:

PSI: open

ACRES IRRIGATED: ½ /hr

SPRINKLER INFO:
TYPE:
SIZE:
LENGTH:
OPERATING:

STOCK:

DOMESTICS: 5

OTHER USES:

OTHER RTS USED:

DIRECTIONS:

1. 3200 □'
2. 6000 □'
3. 4000 □'
4. 3600 □'
5. 3000 □' convenance (not built yet) □' Requirement

line to house



used aluminum ≈250 gal trough for timed fill

- fill depth: 1.95'
2 min, 44 sec

r = Dia/2 = 2.3

A = πr² = 16.62

V = fill depth x A x 7.48 gal/cu'

= 1.95' x 16.62' x 7.48

= 242.4 Gallons

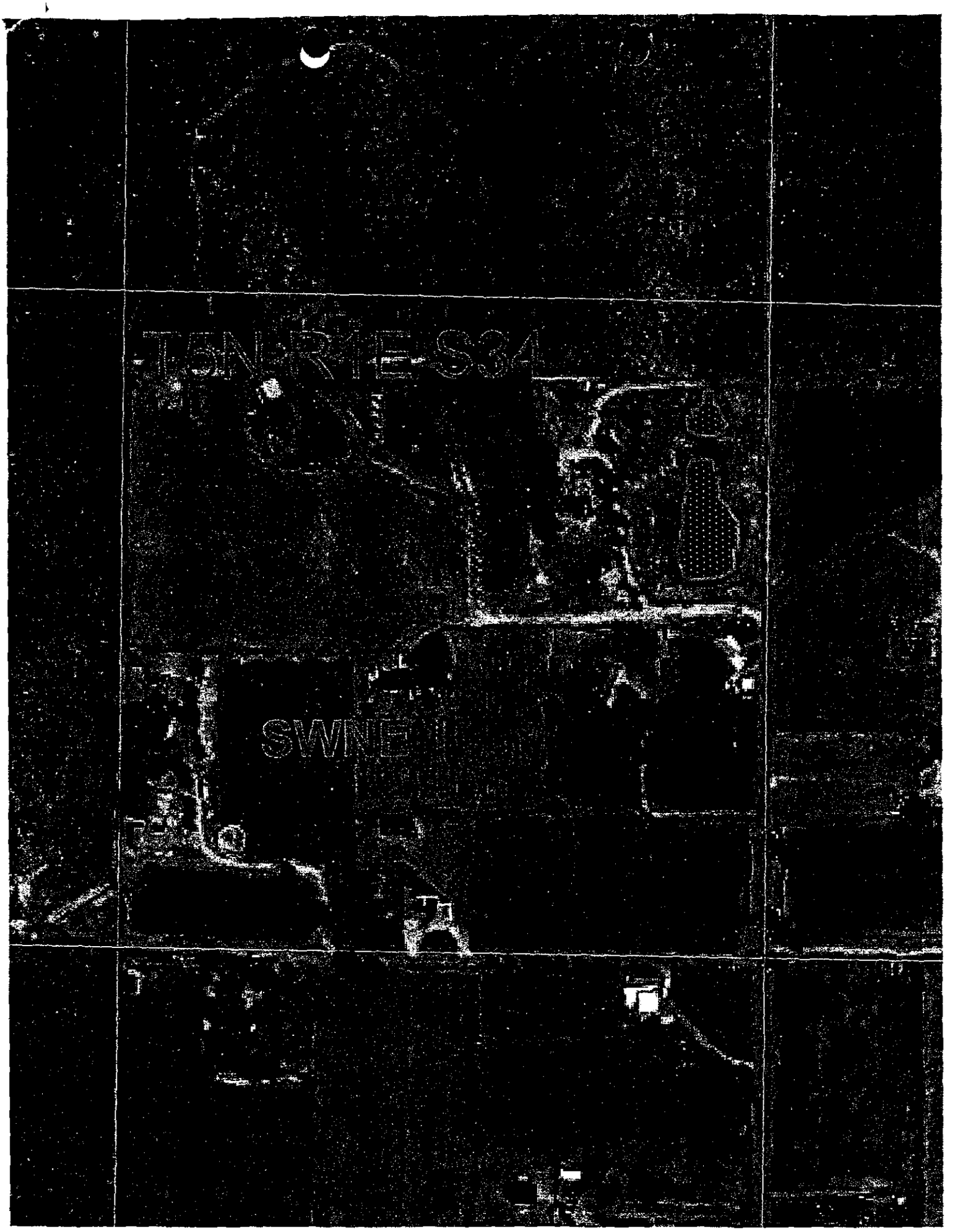
Timed fill: $\frac{242.4 \text{ gal} \times 60 \text{ sec}}{164 \text{ sec}}$

= 88.7 GPM

= .20 CFS

EXAM DATE: 11/15/95 10:00

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T6N-R1E-S34
SWNE

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MEMORANDUM

DATE: 1/31/2002

FROM: Lori Graves

TO: Connolly Storage Application File

RE: Existing Ponds

Wallace Connolly filed an application for permit for storage use in two existing ponds as a result of Department recommendations for permit 63-11505. The permit was originally filed for .22 cfs for heating/domestic uses for five homes. The source of the water supply is a geothermal artesian well. Applicant developed two ponds for the water to be discharged into after being beneficially used. Based on .22 cfs listed on the permit, the size of the ponds were within the applicant's permit limits. The artesian flow rate of the well was measured at .20 cfs.

The permit was recommended for licensing at .02 cfs for heating/domestic uses for one home. At this rate, the ponds now require a water right for storage, which is the reason for this application. Although .02 cfs was recommended, the applicant has requested 20 gpm flow rate be allowed from the well to preserve the well's integrity, which accounts for the .04 cfs diversion to storage use listed on the application.

Applicant submitted a letter to support the processing of this application for permit, even though it is located in basin 63, upstream from Star bridge, and lists a geothermal source.

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