

RECEIVED

NOV 14 1991

Department of Water Resources

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

For Office Use Only

Amt. of Fee \$ 100.00Date 1/14/92Permit No. 29-07867**RECEIVED**

JAN 14 1992

Department of Water Resources

The Idaho Department of Water Resources will consider this form as 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 or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 29-07867 Telephone No. (208) 776-5830
2. Name(s) of Permit Holder(s): George William Katsilomates
3. Post Office Address: Box 28 5 Portneuf Ave. Lava Hot Springs, ID 83246
4. Source of Water: Groundwater
 - a. If ground water, well driller's name: Brent Hendricks Date drilled: 3-18-90 to 3-22-91
 - b. Pump horsepower: 3 hp. Pressure (psi): 50 Dynamic pumping level (ft.): 31'

5. Extent of Use:

Domestic _____ (No. of households)

Irrigation _____ (No. of acres)

Stockwater _____ (No. and type of stock)

Other Commercial to hotel,up pools and to bottling plant

6. Total rate and/or volume for which proof is submitted
- 0.5
- cfs _____ acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? Yes ☒ No Installed? Yes ☐ No

OR

Flow Measurement Port: Required? Yes ☒ No Installed? Yes ☐ No

8. Fee Enclosed: \$
- 100.00
- (See License Examination Fee Schedule)

9. Person to contact to accompany the Department representative during the field examination:

George W. Katsilomates

Name

(208) 776-5830

Telephone No.

5 Portneuf Ave., P.O. Box 28 Lava Hot Springs, ID 83246

Address

10. The above information 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.

11-11-91

Date

George W. Katsilomates

Signature (and title if on behalf of a company or organization)

FEB 07 1992

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 29-07869

Proposed Priority: August 25, 1989 Maximum Diversion Rate: 0.50 CFS

This is to certify, that **GEORGE WILLIAM KATSILOMETES**
5 PORTNEUF AVE.
LAVA HOT SPRINGS, ID 83246
has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
COMMERCIAL	01/01 to 12/31	0.50 CFS

LOCATION OF POINT(S) OF DIVERSION: NWSESE Sec. 21, Township 09S, Range 38E
BANNOCK County

PLACE OF USE: COMMERCIAL

TWN RGE SEC

09S 38E 21 SESE

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **January 1, 1992**.
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. The right to the use of water acquired under this permit shall not give rise to any right or claim against the holder of a senior right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
5. The Director retains jurisdiction of the permit and any license subsequently issued to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.
6. Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
7. Return flow if discharged to a subsurface system must be authorized by a separate injection well permit, and return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.
8. Commercial use is for a hotel.

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State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 29-07869

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

20th day of December, 1989.

J. Glen Sarton
R. Keith Higginson, Director

for

MICROFILMED

FEB 14 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant George William Katsilometes Phone (208)776-5830
Post office address 5 Portneuf Ave., Lava Hot Springs, ID 83246

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point of diversion is NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Govt. Lot _____
Sec. 21 Township 9S Range 38E B.M. Bannock County; additional
points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 0.50 cfs for Commercial purposes from 1-1 to 12-31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 0.50 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Well & pump to hot bath & heating
units in a hotel.

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 8 inches; proposed depth of well is 300 feet.

d. Is ground water with a temperature of greater than 90°F being sought? Yes

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

2 years (minimum 1 year).

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FEB 14 1990

8. Description of proposed uses (if irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. _____
- Stockwatering; list number and kind of livestock. _____
- Municipal; show name of municipality. _____
- Domestic; show number of households. _____
- Other; describe fully. Commercial use of hot water in a hotel unit.

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- 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	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
9S	38E	21																C	

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. None

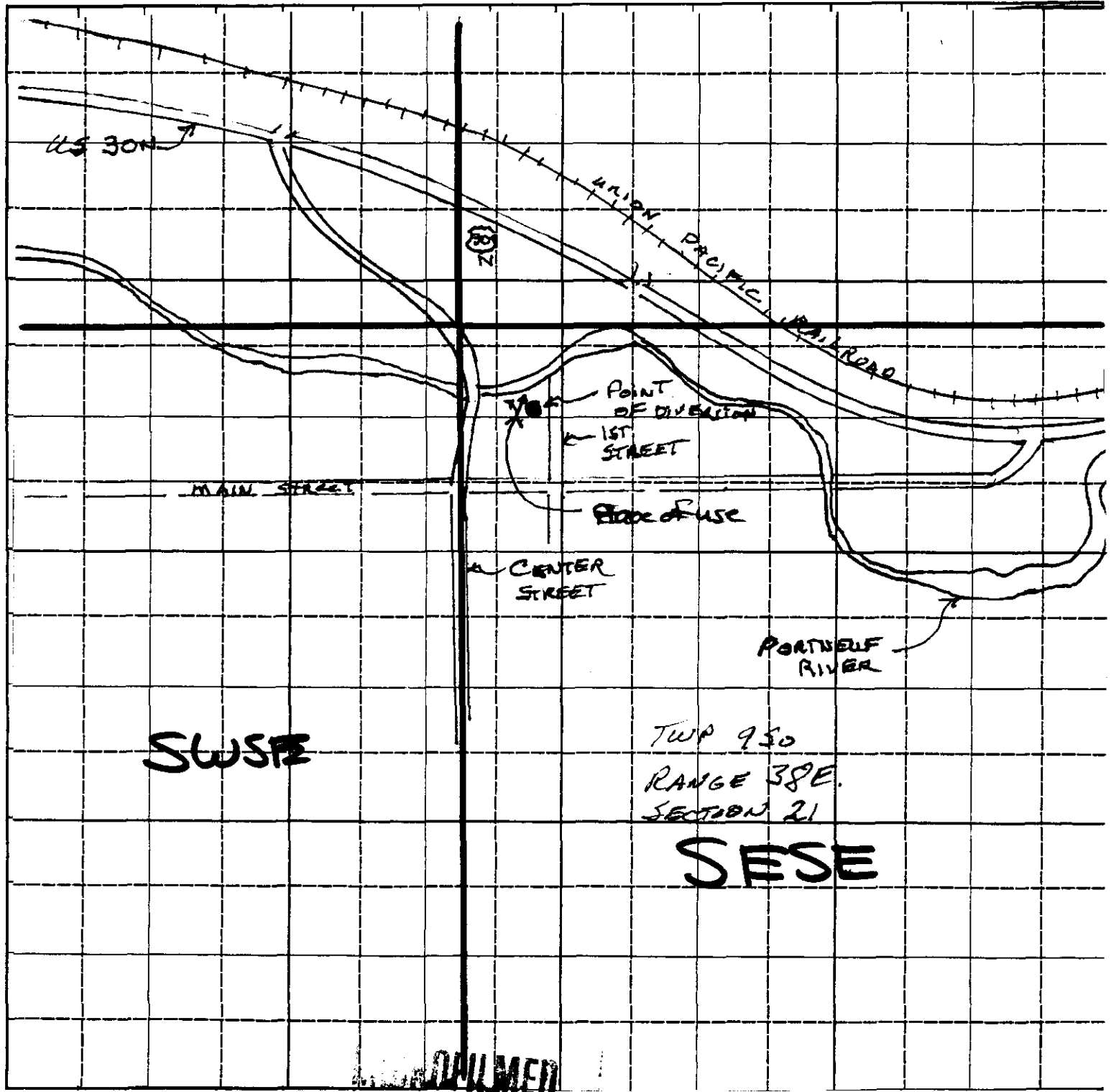
- Who owns the property at the point of diversion? Applicant
- Who owns the land to be irrigated or place of use? Applicant
- If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: _____

RECORDED

FEB 14 1990

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

FEB 14 1990

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.

George W. Ketchum
(Applicant)

Received by AW Date 9-25-89 Time 11:42A Preliminary check by _____
Fee \$ 45.00 Received by HWT # E010004 Date 8-29-89
Publication prepared by RB Date 10-19-89 Published in Idaho State Journal
Publication approved AW Date 11-06-89

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. _____, and said application is hereby _____.

1. Approval of said application is subject to the following limitations and conditions:

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before _____, 19 ____.
- c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
- d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.
- e. Other:

REPROFILMED

FEB 14 1990

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. _____

To appropriate the public waters of the State of Idaho

1. Name of applicant George William Katsilometes Phone (208) 776-5830
Post office address 5 Portneuf Avenue Lava Hot Springs, ID.
2. Source of water supply ground water which is a tributary of N/A
3. Location of point of diversion is SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of _____ $\frac{1}{4}$, Govt. Lot 2
Sec. 21 Township 9.56. Range 38 E. B.M. Banapak County; additional
points of diversion if any: _____
4. Water will be used for the following purposes:
Amount 4.5 cfs for commercial purposes from Jan. 1 to Dec. 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 2.5 cfs cubic feet per second and/or (b) 380 acre feet per annum
± (0.5)
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. N/A

b. Height of storage dam N/A feet; active reservoir capacity N/A acre-feet; total
reservoir capacity N/A acre-feet; period of year when water will be diverted to storage:
N/A to N/A inclusive.
c. Proposed well diameter is 8 inches; proposed depth of well is ± 300 feet.
d. Is ground water with a temperature of greater than 90°F being sought? Yes
7. Time required for the completion of the works and application of the water to the proposed beneficial use is
Two years (minimum 1 year).

FEB 14 1990

8. Description of proposed uses (if irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. _____
- Stockwatering; list number and kind of livestock. _____
- Municipal; show name of municipality. _____
- Domestic; show number of households. _____
- Other; describe fully. Heat buildings, bathing.

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- 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	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
950.	38E	21											C					C	N/A

Total number of acres to be irrigated N/A

10. Describe any other water rights used for the same purposes as described above. _____

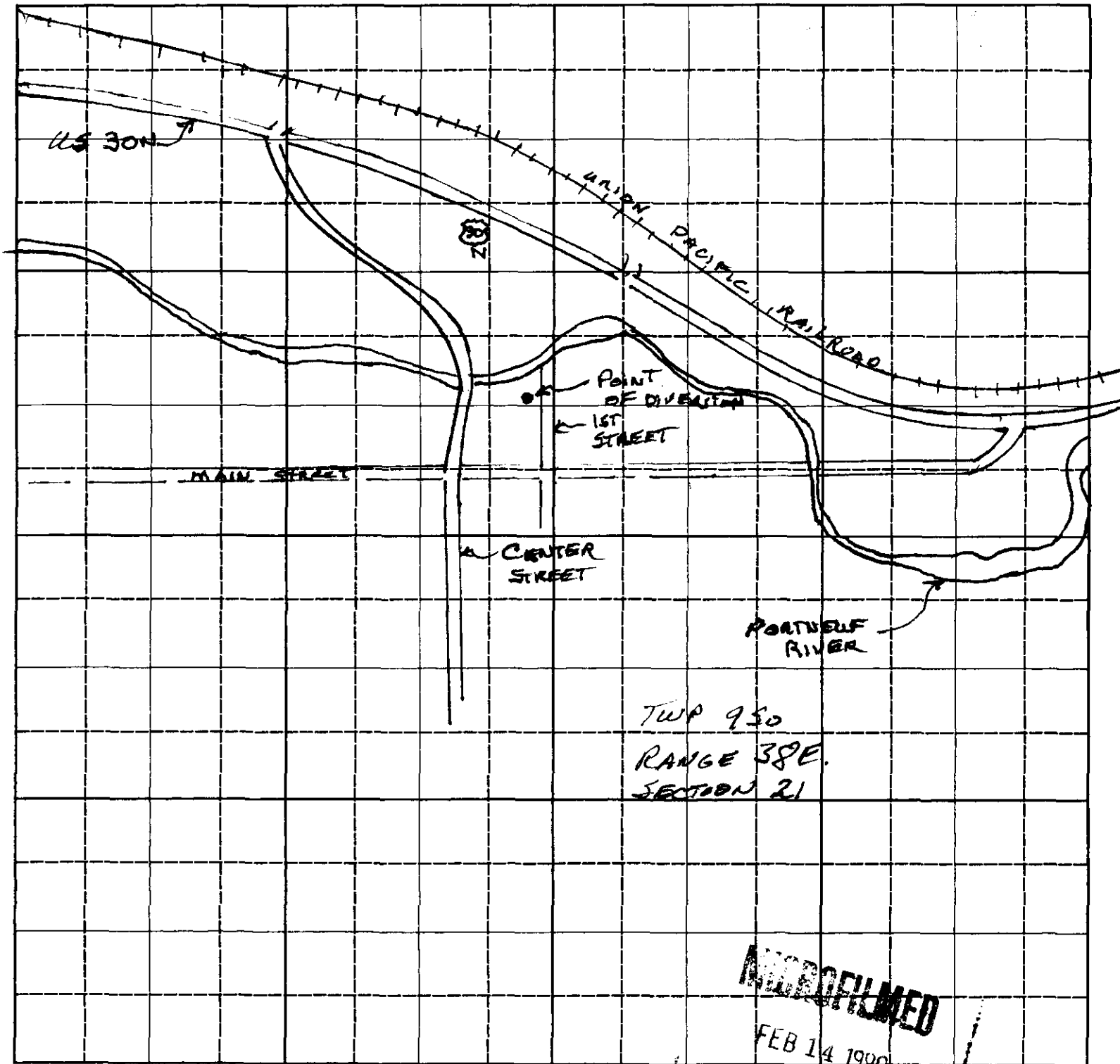
- Who owns the property at the point of diversion? George and Frances Katsilometer
- Who owns the land to be irrigated or place of use? George and Frances Katsilometer
- If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: _____

MICROFILMED

FEB 14 1990

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

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.

John W. Whitcomb
(Applicant)

Received by CW Date 8-25-89 Time 11:30 A. Preliminary check by _____
Fee \$ 45.00 Received by HLS # E 010004 Date 8-28-89
Publication prepared by _____ Date _____ Published in _____
Publication approved _____ Date _____

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. _____, and said application is hereby _____.

1. Approval of said application is subject to the following limitations and conditions:

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before _____, 19 ____.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other:

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PROOF OF PUBLICATION

STATE OF IDAHO
County of Bannock

ss.

NOV 1 1989

Department of Water Resources
Eastern District Office

Sandra K. Wann

NOTICE OF APPLICANT FOR WATER RIGHT
The following water right(s) have been filed to appropriate the public waters of the State of Idaho:
29-07792

BURKS, RICHARD
BURKS, KAREN
145 SOUTH HAYES
POCATELLO, ID 83204
Source: PORTNEUF RIVER
Tributary: SNAKE RIVER
Diversion Pt:
SESW Sec 2 T.08S R 36E
NENW Sec 11 T.08S R 36E
SESW Sec 11 T.08S R 36E
Use: IRRIGATION (.300 CFS)
Date Filed: 5-14-1985
In: T08S R36E S02 SESW
S11 NENW SENW
15.0 ACRES TOTAL

29-07800
CALL, CHARLES F.
CALL, LAURA
P.O. BOX 2636
POCATELLO, ID 83201
Source: UNNAMED STREAM
Tributary: MARSH CREEK
Diversion Pt:
NWSW Sec 27 T.08S R 36E
Use: IRRIGATION (.150 CFS)
STOCKWATER (.020 CFS)
Date Filed: 7-01-1985
In: T08S R36E S27 NWSW
5.0 ACRES TOTAL

29-07803
BOWMAN, JIMMY KAY
5779 S. MARSH CREEK
MC CAMMON, ID 83250
Source: GROUNDWATER
Diversion Pt:
NWSW Sec 34 T.08S R 36E
Use: IRRIGATION (.160 CFS)
Date Filed: 9-04-1985
In: T08S R36E S34 NWSW SWSW
8.0 ACRES TOTAL

29-07869
KATSILOMETES, GEORGE
WILLIAM
5 PORTNEUF AVE.
LAVA HOT SPRINGS, ID 83246
Source: GROUNDWATER
Diversion Pt:
NWSESE Sec 21 T.09S R 38E
Use: COMMERCIAL (.500 CFS)
Date Filed: 8-25-1989
In: T09S R38E S21 SESE
The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-202A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before NOVEMBER 6, 1989.

being first duly sworn on oath deposes and says: That she was at all times herein mentioned a citizen of the United States of America, more than 21 years of age, and the Principal Clerk of THE IDAHO STATE JOURNAL, a daily newspaper, printed and published at Pocatello, Bannock County, Idaho, and having a general circulation therein.

That the document or notice, a true copy of which is attached, was published in the said IDAHO STATE JOURNAL, on the following dates, to-wit:

19 October	19 89	19
27 October	19 89	19
	19	19
	19	19
	19	19

That said paper has been continuously and uninterruptedly published in said County for a period of seventy-eight weeks prior to the publication of said notice or advertisement and is a newspaper within the meaning of the laws of Idaho.

STATE OF IDAHO

COUNTY OF Bannock.

On this 27th day of October in the year of 1989, before me, a Notary Public, personally appeared Sandra K. Wann, 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 he executed the same.

Notary Public for Idaho

Residing at Pocatello

My commission expires: July, 1991

MICROFILMED

FEB 14 1990

PROOF OF PUBLICATION

STATE OF IDAHO
County of Bannock

SS.

NOTICE OF APPLICATION FOR WATER RIGHT

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

29-07792

BURKS, RICHARD
BURKS, KAREN
145 SOUTH HAYES
POCATELLO, ID 83204
Source: PORTNEUF RIVER
Tributary: SNAKE RIVER
Diversion Pt:

SESW Sec 2 T 08S R 36E
NENW Sec 11 T 08S R 36E
SESW Sec 11 T 08S R 36E
Use: IRRIGATION (.300 CFS)
Date Filed: 5-14-1985
In: T08S R36E S02 SESW
S11 NENW SENW
15.0 ACRES TOTAL

29-07800

CALL, CHARLES F.
CALL, LAURA
P.O. BOX 2636
POCATELLO, ID 83201
Source: UNNAMED STREAM
Tributary: MARSH CREEK
Diversion Pt:
NWSW Sec 27 T 08S R 36E
Use: IRRIGATION (.150 CFS)
STOCKWATER (.020 CFS)
Date Filed: 7-01-1985
In: T08S R36E S27 NWSW
5.0 ACRES TOTAL

29-07803

BOWMAN, JIMMY KAY
5779 S. MARSH CREEK
MC CAMMON, ID 83250
Source: GROUNDWATER
Diversion Pt:
NWSW Sec 34 T 08S R 36E
Use: IRRIGATION (.160 CFS)
Date Filed: 9-04-1985
In: T08S R36E S34 NWSW SWSW
8.0 ACRES TOTAL

29-07869

KATSILOMETES, GEORGE
WILLIAM
5 PORTNEUF AVE.
LAVA HOT SPRINGS, ID 83246
Source: GROUNDWATER
Diversion Pt:
NWSESE Sec 21 T 09S R 38E
Use: COMMERCIAL (.500 CFS)
Date Filed: 8-25-1989
In: T09S R38E S21 SESE
The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before NOVEMBER 6, 1989.
S/R. Keith Higginson, Director
October 19, 27, 1989
No. 678

Sandra K. Wann

being first duly sworn on oath deposes and says: That she was at all times herein mentioned a citizen of the United States of America, more than 21 years of age, and the Principal Clerk of THE IDAHO STATE JOURNAL, a daily newspaper, printed and published at Pocatello, Bannock County, Idaho, and having a general circulation therein.

That the document or notice, a true copy of which is attached, was published in the said IDAHO STATE JOURNAL, on the following dates, to-wit:

19 October	19 89	19
27 October	19 89	19
	19	19
	19	19
	19	19

That said paper has been continuously and uninterruptedly published in said County for a period of seventy-eight weeks prior to the publication of said notice or advertisement and is a newspaper within the meaning of the laws of Idaho.

STATE OF IDAHO

COUNTY OF Bannock.

On this 27th day of October in the year of 1989, before me, a Notary Public, personally appeared Sandra K. Wann, 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 he executed the same.

Notary Public for Idaho

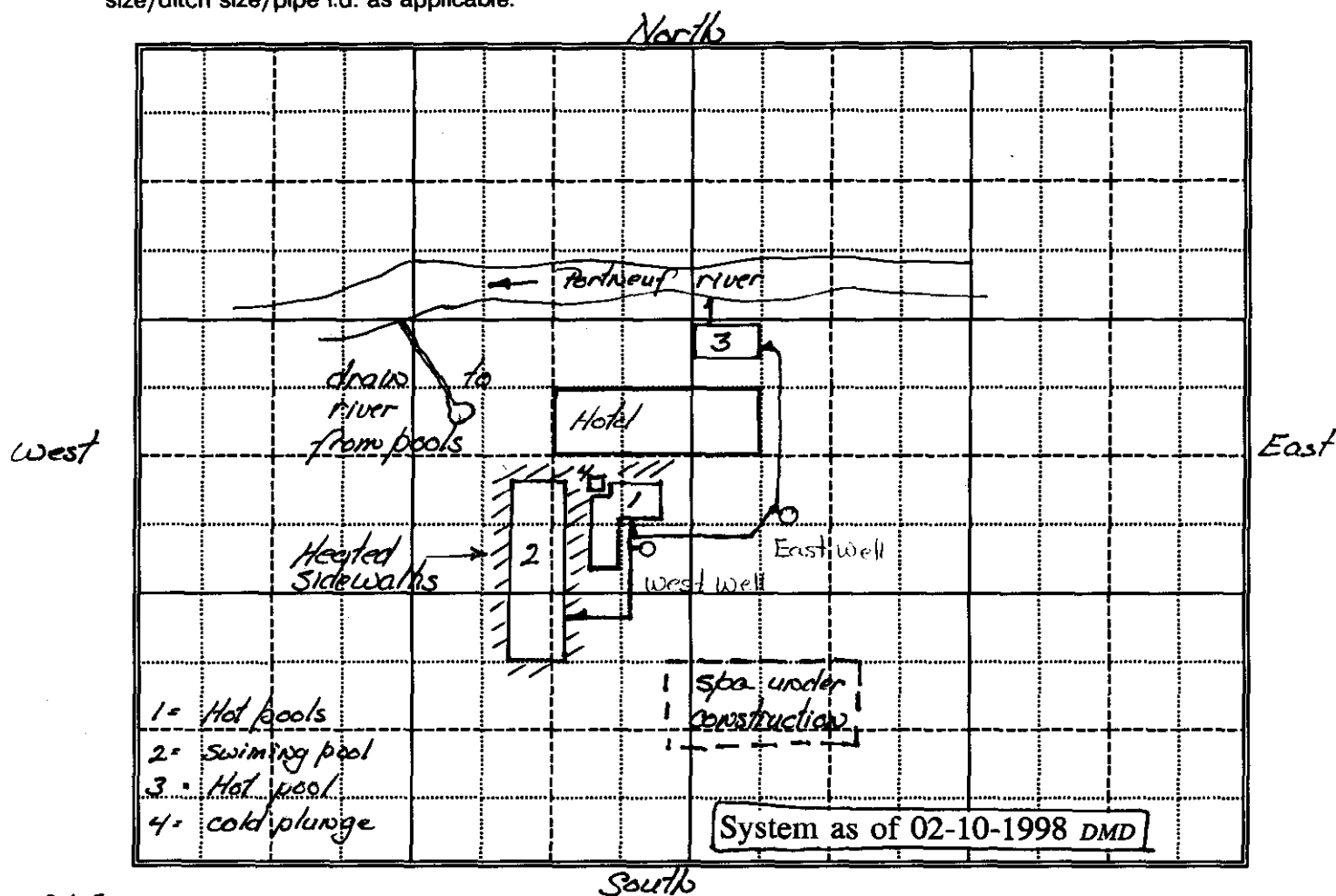
Residing at Pocatello

My commission expires: 2-4, 1991

UNRECORDED

FEB 14 1990

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 Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

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

____ 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
East Well	Jacuzzi	5		Same	
West Well	Jacuzzi	3.5		Same	

*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

2. Measurements: Theoretical

THEORETICAL PUMP FLOW CALCULATIONS

East Well

Formula:

$$Q_{cfs} = [(Hp)(8.814)(Eff)] \div [Lift + (psi \times 2.308)]$$

Hp = Horsepower = 5

Eff = Efficiency = .70 (Usually 70%)

Lift: (Static Level + Assumed Draw down)

Static Water Level = _____ ft.

Assumed Draw down = + _____ ft.

Lift = _____

OR

Measured Dynamic Water Level = 35' ft.

psi = Operating Pressure = 0 psi

$$Q_{cfs} = \left[\frac{5}{Hp} \times 8.814 \times \frac{.7}{Eff} \right] \div \left[\frac{35}{Lift} + \left(\frac{0}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = \left[\frac{30.85}{} \right] \div \left[\frac{35}{} \right]$$

$$Q_{cfs} = \underline{.88} \text{ cfs}$$

PERMIT NO. 29-07869

THEORETICAL PUMP FLOW CALCULATIONS

Formula:

West well

$$Q_{cfs} = [(Hp)(8.814)(Eff)] \div [Lift + (psi \times 2.308)]$$

$$Hp = \text{Horsepower} = \underline{3.5}$$

$$Eff = \text{Efficiency} = \underline{.7} \quad (\text{Usually } 70\%)$$

$$\text{Lift: (Static Level + Assumed Draw down)}$$

$$\text{Static Water Level} = \underline{\hspace{2cm}} \text{ ft.}$$

$$\text{Assumed Draw down} = + \underline{\hspace{2cm}} \text{ ft.}$$

$$\text{Lift} = \underline{\hspace{2cm}}$$

OR

$$\text{Measured Dynamic Water Level} = \underline{35} \text{ ft.}$$

$$psi = \text{Operating Pressure} = \underline{0} \text{ psi}$$

$$Q_{cfs} = \left[\frac{3.5}{Hp} \times 8.814 \times \frac{.7}{Eff} \right] \div \left[\frac{35}{Lift} + \left(\frac{0}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = \left[\underline{21.59} \right] \div \left[\underline{35} \right]$$

$$Q_{cfs} = \underline{.62} \text{ cfs}$$

PERMIT NO. 29-07869

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PEN

AUG 13 1990

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

1. WELL OWNER

Name GEORGE W. KAISLOMEYERAddress 55 PORTWINE AVE. KAMAHK SPRINGS IDA.Owner's Permit No. 29-89-2-014

TEST HOLE #1

7. WATER LEVEL

Static water level 9 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

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement☐ Well diameter increase☒ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☒ Pump ☐ Bailor ☒ Air ☐ Other _____

Discharge G.P.M.

Pumping Level

Hours Pumped

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
10"	0	6	TOPSOIL		
	6	30	BOULDERS		
	20	27	WHITE GUNDELZ ROCK - HARD		
	27	44	BOULDERS + BROWN CLAY		

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	10 inches	1 feet	23 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow 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 24 Material used in seal: ☒ Cement grout☒ Bentonite ☒ Pudding clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

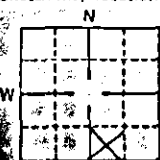
Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

1-10

Lot No. _____

Block No. 2

County

BANNOCKS/W SE Sec. 21, T. 9N 32 E 32 W 32

10.

Work started MARCH 13 90 finished MARCH 13 90

11. DRILLERS CERTIFICATION

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

Firm Name INDEPENDENT DRILLING Firm No. 323Address 664 W 200 N Date 3-28-90Signed by (Firm Official) Brent Hendrick

and

(Operator) Brent Hendrick

FORWARD WHITE COPY TO WATER RESOURCES

New spa to open next to Lava inn

By Dianna Troyer
Of The Journal

LAVA HOT SPRINGS — Owners of a bed and breakfast are turning to the past for the future of their business, the Lava Hot Springs Inn.

George W. Katsilometes and his wife, Fran Brady, are building a spa adjacent to their inn so hot mineral water can be used in various therapies, including massage, exercise, hydro and aroma therapy.

Historically the water, ranging in temperature from 108 to 112 degrees, has been used for healing. For centuries Native Americans traveled to the pools to soak. Earlier in this century sick people followed their lead and came to Lava for the water's bone-warming therapy.

"It's the historic intent," Katsilometes said of hot mineral water's therapeutic uses. "People came here to get well. American Indians came here for the spiritual and health aspects of the place."

When Katsilometes and Brady bought the town's old brick hospital several years ago and remodeled it into the inn, they found pictures of people in wheelchairs or stretchers being carried off the train to stay at the hospital and "take the cure" in nearby pools, Brady said.

Spa memberships will be sold. "You don't have to stay in the inn to use the spa," Katsilometes emphasized.

Several hot tubs, jacuzzis and exercise pools are being built and will be ready in December. A small house near the inn is being remodeled into an exercise room, sauna and changing area and will be done in March.

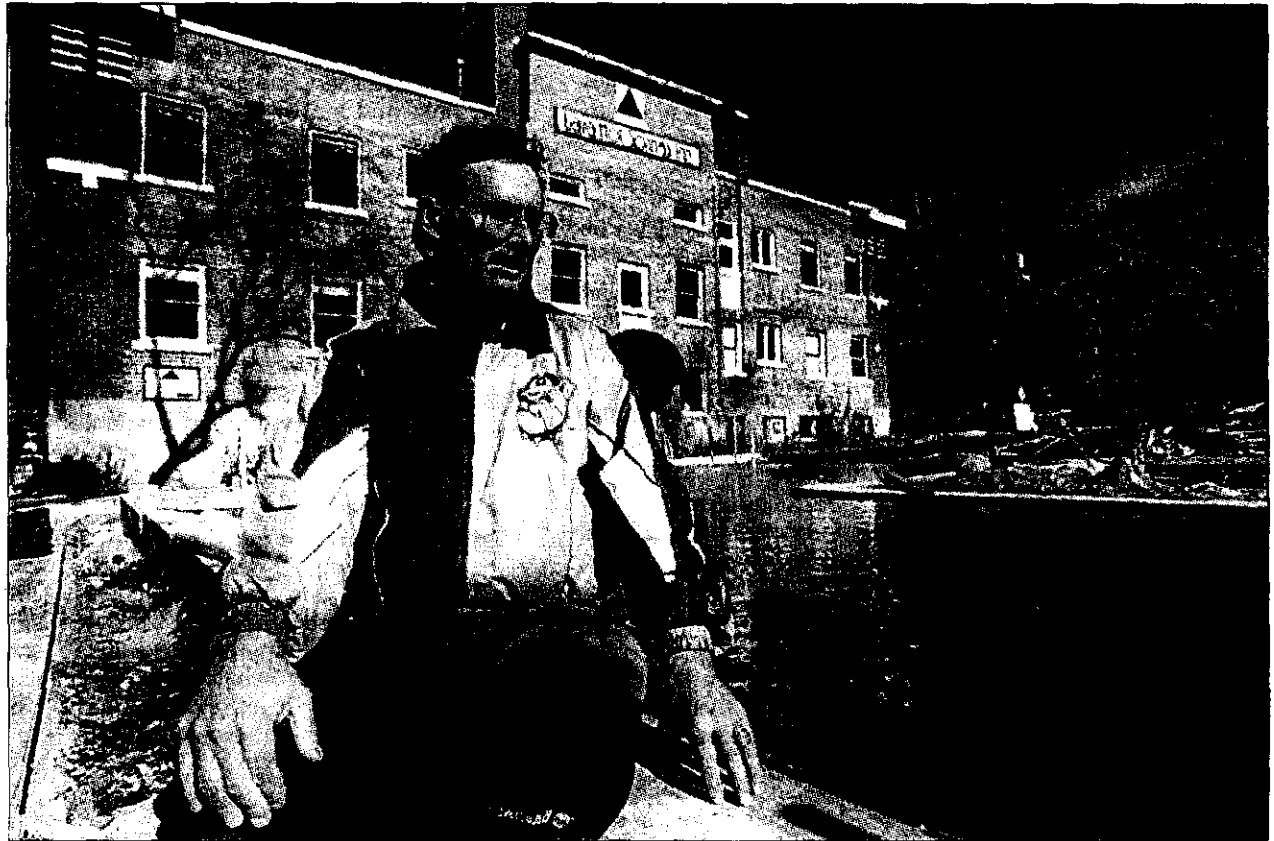
The spa features:

- nine round private pools, each 3 feet deep and 7 feet wide;
- a cold plunge;

WHAT'S IN IT?

Hot water flowing through Lava Hot Springs has the following minerals.

- Alumina
- Calcium bicarbonate
- Calcium carbonate
- Magnesium carbonate
- Magnesium sulfate
- Potassium sulfate
- Silica
- Sodium
- Sodium bicarbonate
- Sodium chloride



Journal photo by Doug Lindley

George W. Katsilometes relaxes besides one of the many pools in his spa. He and his wife, Fran Brady, built a spa adjacent to their business, the Lava Hot Springs Inn.

- three 10-foot wide round pools with jacuzzi jets;
- a soaking pool;
- a 20-foot by 80-foot exercise pool.

Some pools will be semi-covered and the exercise pool will be open to the air. People won't get cold feet when they walk on the sidewalks at the spa, Katsilometes said, because hot water flows through pipes beneath the sidewalks' surface, warming it.

An older house on the property will be remodeled and expanded into a 4,000-square-foot facility, Katsilometes said. An exercise room will be upstairs. A sauna and locker room for men and women will be downstairs.

About \$250,000 to \$500,000 will have been invested by the time all the improvements are finished, Katsilometes said.

silometes said.

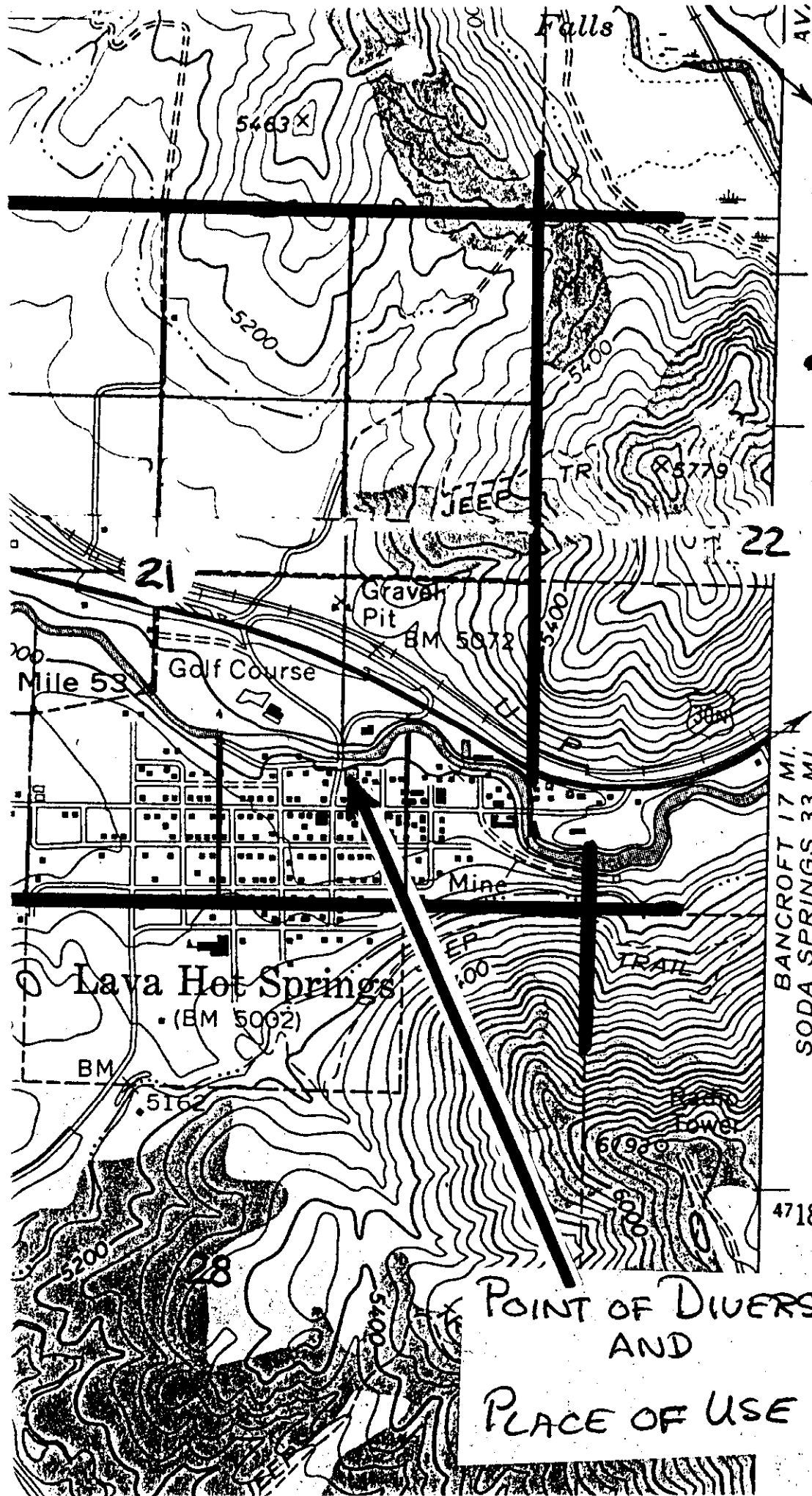
The couple will market their inn to travelers and local residents as a holistic healthy place to get away and relax. And the inn's menu will feature healthy meals specially designed for the inn by a chef.

The couple also plan to offer seminars and retreats at the inn.

Body wrapping also will be done, in which linen that's been soaked with herbs or mud is wrapped around the body as a way to help people detoxify, Katsilometes said.

Townpeople are supportive and interested in the spa, Brady said. "We're using the water to help people feel better from physical healing to spiritual healing to just comfort."

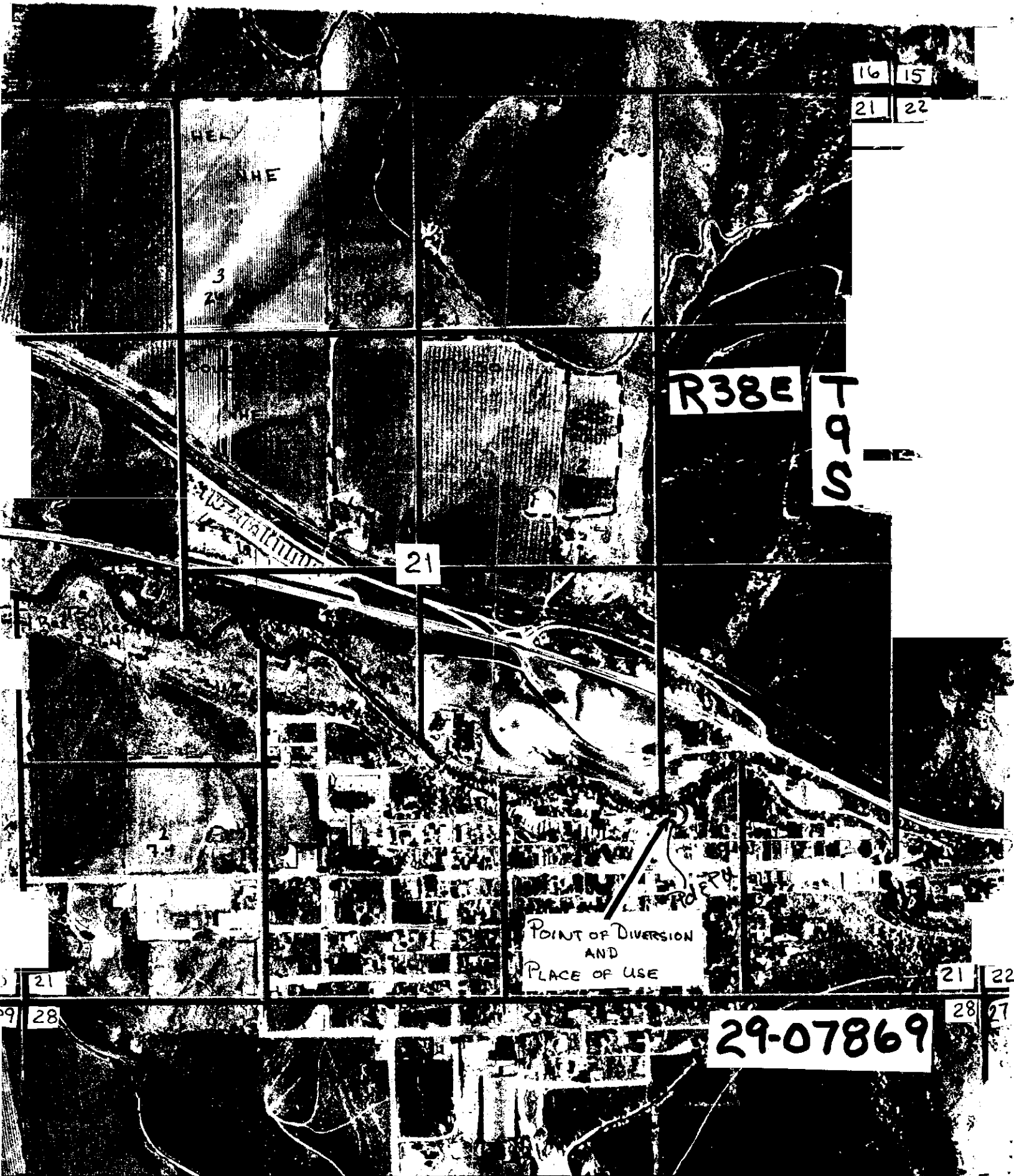
29-07869



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POINT OF DIVERSION
AND
PLACE OF USE

29-07869



16 15

21 22

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R38E

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POINT OF DIVERSION
AND
PLACE OF USE

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29-07869

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15.0

T320

21

22

T1230
Doug Hill
2304

NHE

10.9

T1230

2

R38E

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T501

Rex Baker
2264

2

7.4

POINT OF DIVERSION
AND
PLACE OF USE

21

28

21

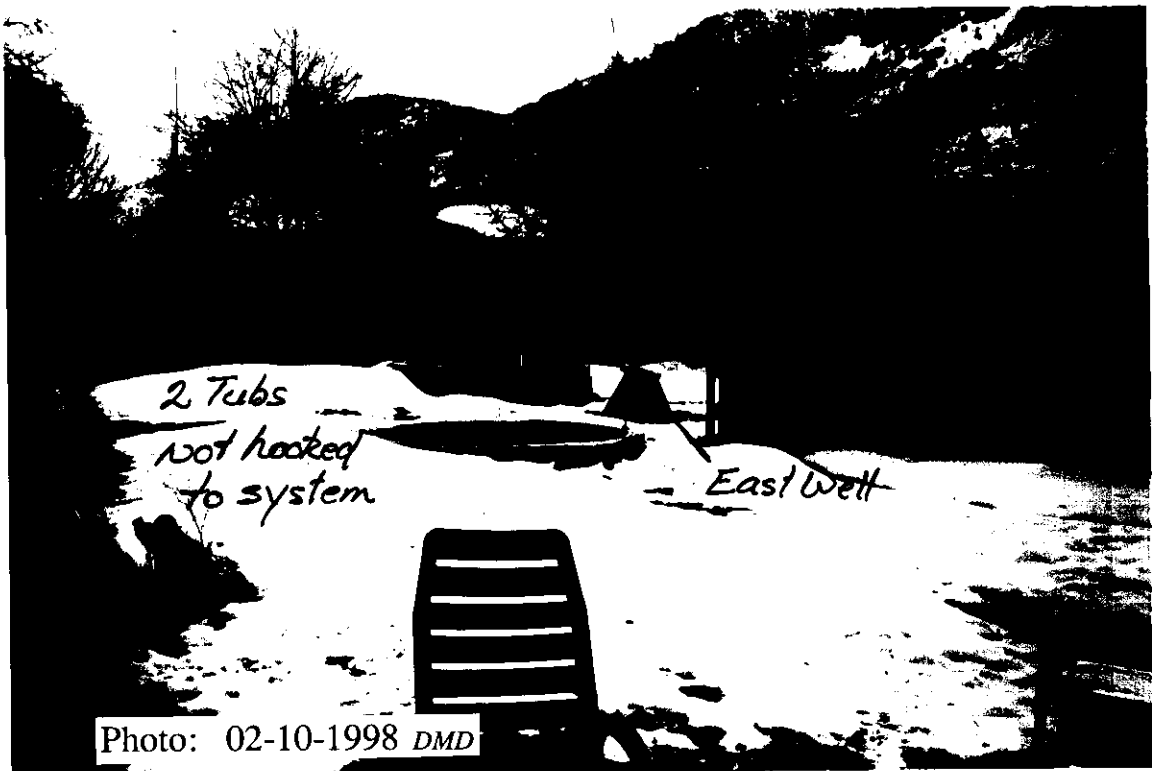
22

28

27

29-07869

29-07869



29-07869

WEST
Well

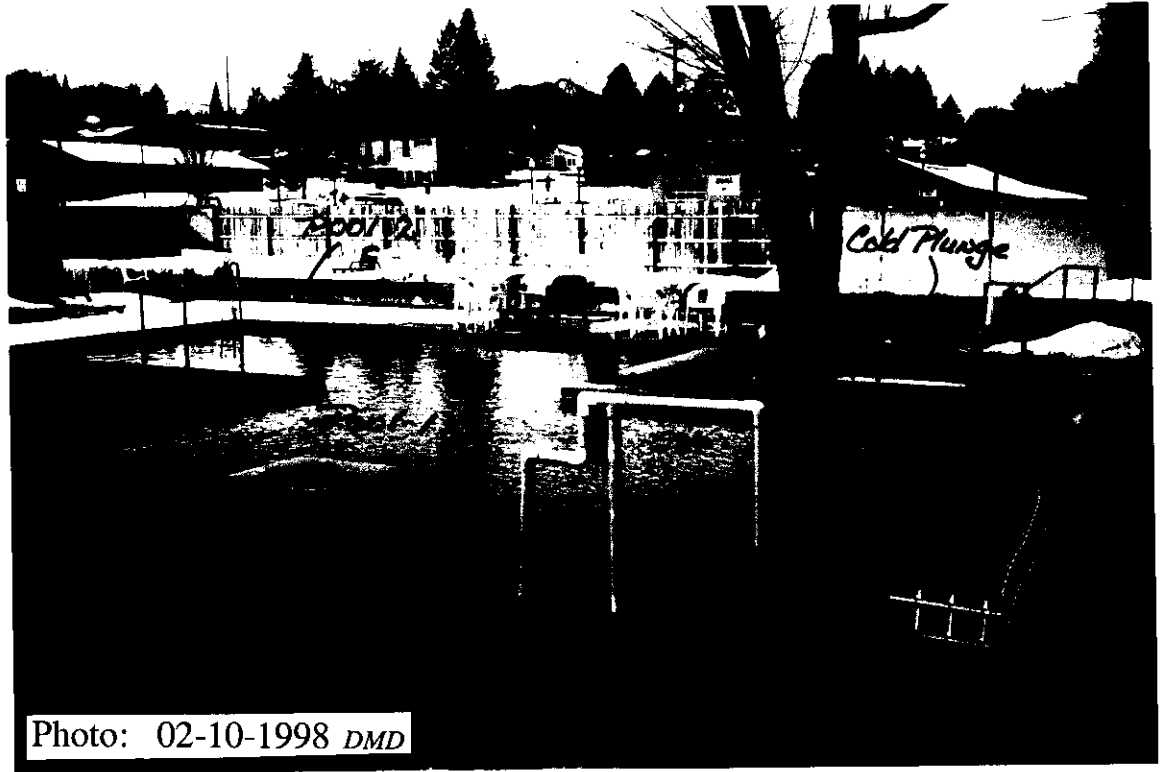


Photo: 02-10-1998 DMD



Photo: 02-10-1998 DMD

29-07869

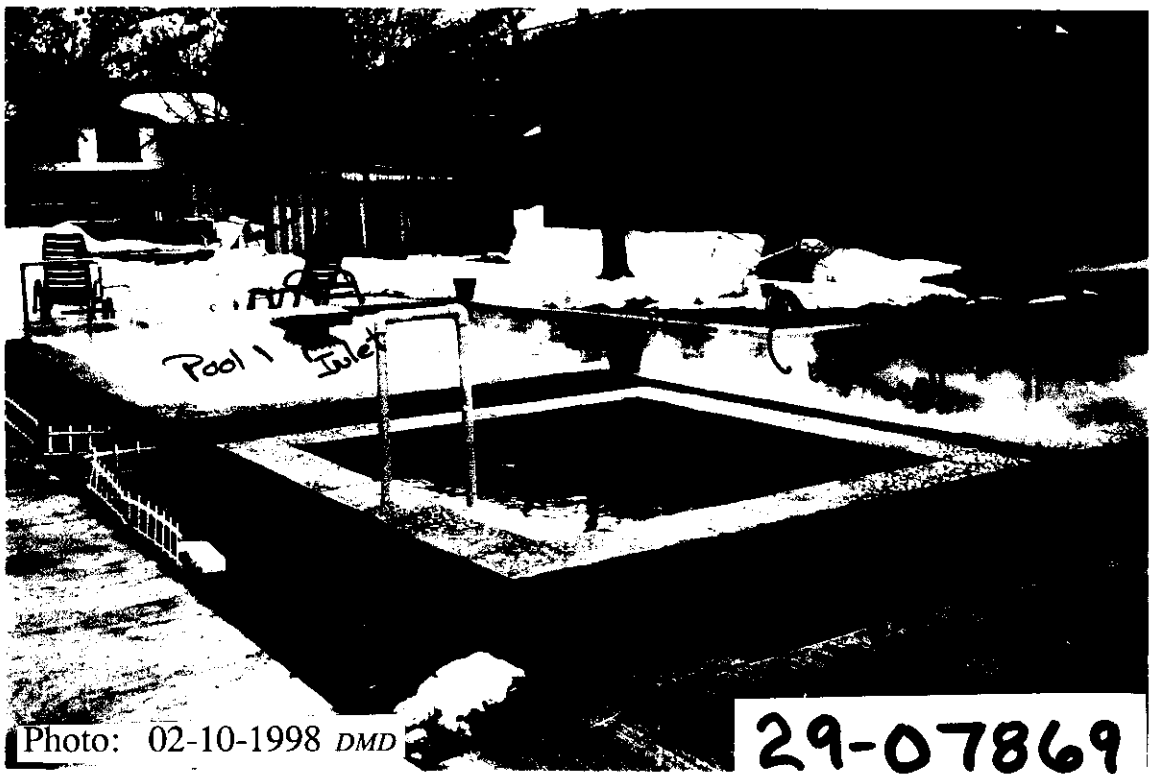
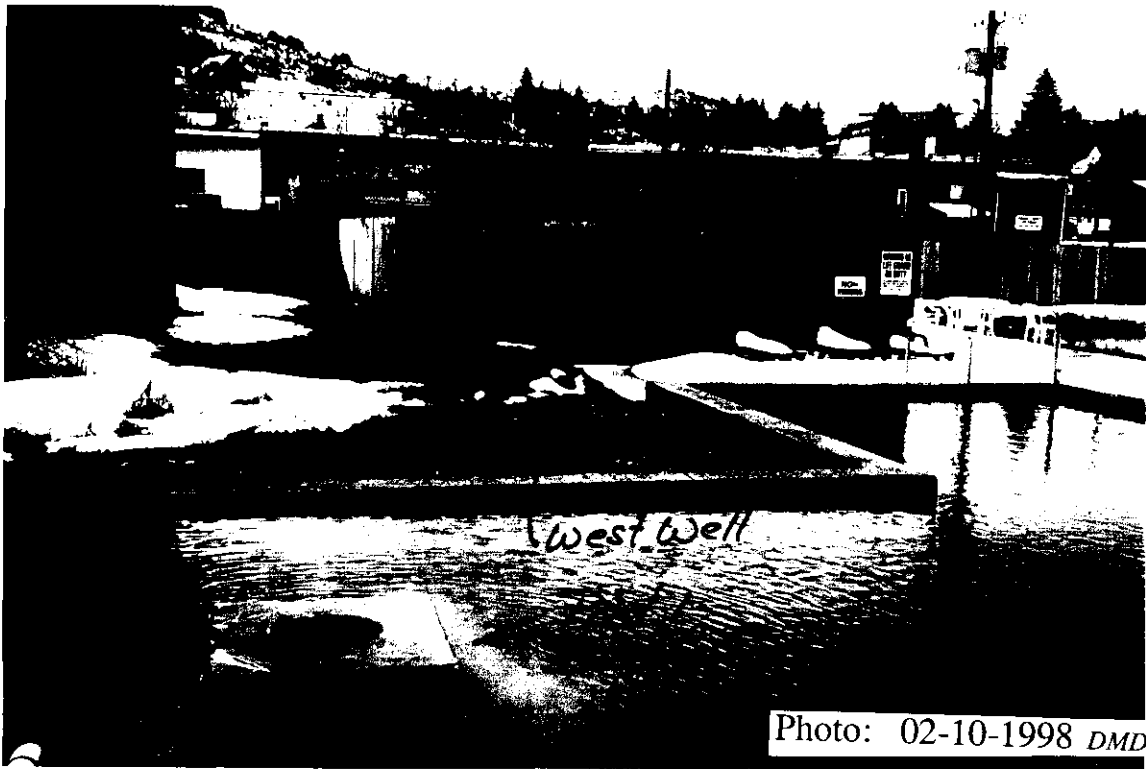


Photo: 02-10-1998 DMD



Photo: 02-10-1998 DMD

29-07869



29-07869

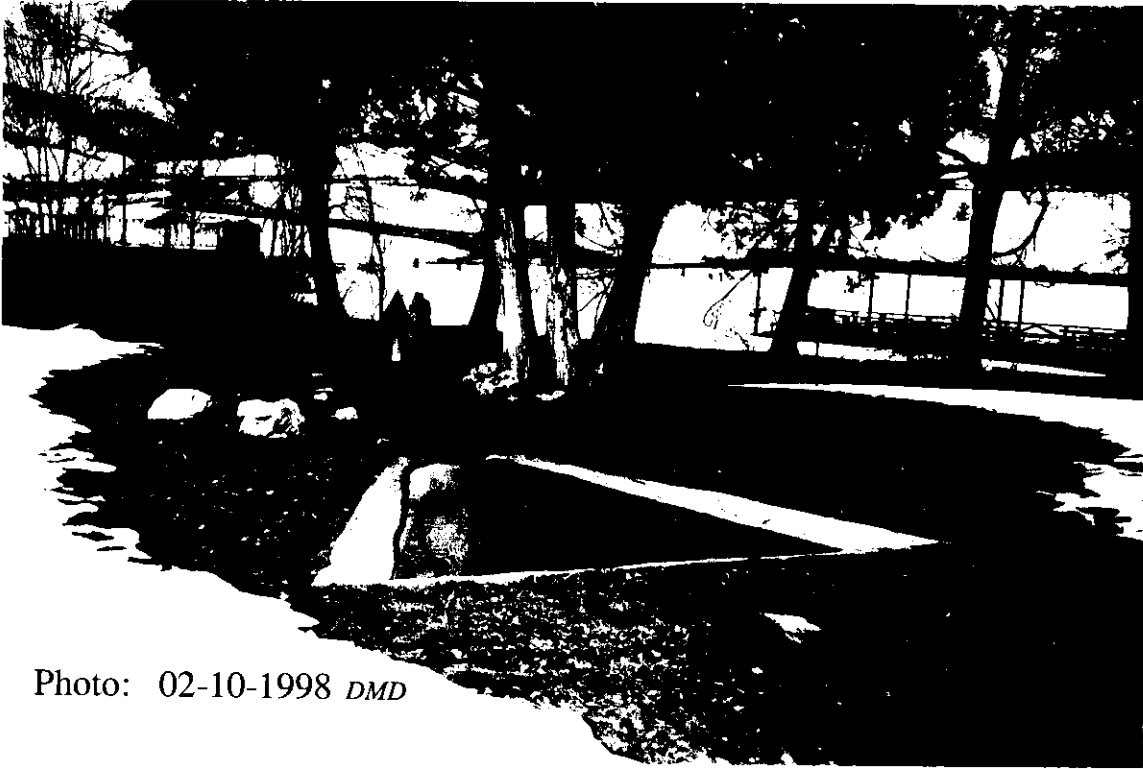


Photo: 02-10-1998 DMD



Photo: 02-10-1998 DMD

29-07869

E. NARRATIVE/REMARKS/COMMENTS

George Katsimonetes conducted 1.5 cfs. from the two wells. At a protest hearing, held by Gary Spackman for the Lory V Ranch, Mr Katsimonetes testified at the time he provided proof of beneficial use to the Department he could only produce 80 gpm. This water was used in hot tub 3. Hot tubs 1 & 2 were added after that date - see enclosed newspaper article. At the time of the field exam only pool #3 was in existence.

NOTE: PHOTOS FROM EXAM ON 8-9-1995 CANNOT BE FOUND.

Have conditions of permit approval been met? ☐ yes ☐ no

F. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method:

East Well .88 cfs

SEE PART "E" Remarks

West Well .62 cfs

80 gpm = 0.18 cfs

Total diversion rate = 1.50 cfs.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Commercial	1 Jan	31 Dec	0.50 cfs	
Totals:				

2. Recommended Amendments

☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATIONField Examiner's Name Dennis Dunn Date 8/9/1995

Reviewer _____ Date _____

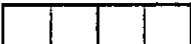
SEAL

1. DRILLING PERMIT NO. 29-45-E-004-001
Other IDWR No. 29-7869

2. OWNER:
Name GEORGE WILLIAM KATSILOMETES
Address 5 PARTNEUF AVENUE
City LAKE HOT SPRINGS State MO Zip 63246

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 9 North ☐ or South ☒
 Rge. 35 East ☒ or West ☐
 Sec. 21 SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$
 Gov't Lot _____ County BANKOCK

Address of Well Site

City LAWA HOT SPRINGS

(Give at least name of road + Distance to Road or Landmark)

Lt.	Blk.	Sub. Name
-----	------	-----------

4. PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other Commercial Heat-pump

5. TYPE OF WORK *Depend*

New Well ☒ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 2" -
Was drive shoe seal tested? ☐ Y ☒ N How? 3" -

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Linear	Welded	Threaded
8"	+1	47	250	STEEL	☒	☐	☐	☐
6"	+1	66	250	STEEL	☒	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____

☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

3 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or
control devices:

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
120			

Water Temp. 90° Bottom hole temp. _____

Water Quality test or comments:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]Completed Depth 80' (Measurable)

Date: Started 2-15-95 Completed 2-16-95

13. DRILLER'S CERTIFICATION

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

Firm Name INDEPENDENT DRILLING Firm No. 343

Firm Official Brent Hendrick Date 3-6-95

and
Supervisor or Operator Phil Chris Date 3-6-95

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES



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

PHILIP E. BATT
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

May 1, 1995

George Katsilometes
P. O. Box 670
Lava Hot Springs, ID 83246

Re: Lava Hot Springs Foundation - *2000 10/5/95*

Dear Mr. Katsilometes:

Your letter of April 24, 1995, has been received in this office. However, the second page of the letter appears to have been attached by mistake and I am returning it to you. I will appreciate your sending the remainder of the letter that you addressed to me.

In the meantime, I am, by copy of this letter, advising the Department's regional manager, Ron Carlson, of your concerns and asking him to arrange for his staff to review the matter by meeting with you at an early date.

Sincerely,

NORMAN C. YOUNG
Administrator, Water Management Division

c: Ron Carlson, Idaho Falls - IDWR

RECEIVED
MAY 01 1995
Department of Water Resources

April 24, 1995

Mr. Norm Young
Administrator, Water Management Division
Idaho Department of Water Resources
1301 N. Orchard Street
Boise, Idaho 83706-2237

Re: Lava Hot Springs Foundation

Dear Mr. Young:

I am the current holder of Water Right Permit No. 29-07869, which is a groundwater right at Lava Hot Springs. The purpose of this geothermal permit is for commercial use for a hotel I am currently operating. Over the past several months, the pressure and temperature of the groundwater withdraw has decreased. In an attempt to determine the reasons for the reduction of water pressure, I have discovered that the State of Idaho under the name of the Lava Hot Springs Foundation is making an illegal withdrawal of groundwater from the hot springs.

The Foundation has a number of small Snake River Basin Adjudication claims which are utilized to fulfill the Foundation's purpose of providing for the public use of the hot springs. SRBA Claim No. A29-04178, whose source is an artesian well, serves the primary use of heating the pool at Lava Hot Springs.

Recently, a new heat exchanger was installed at the pool site. Discussions with the Chief Engineer indicated that the system was overdesigned. Further, the Foundation's surface and groundwater withdrawals from the hot springs appear to exceed both what is required to operate the pool and what is provided for under the Foundation's existing rights.

The Foundation can fulfill its right from the springs supplying the soaking pool. However, the Foundation is also, via groundwater withdrawal, taking additional water under an alleged lapsed permit. This extra geothermal water is then conveyed down to Permit Holder No. 29-07847, which is a cold water permit for recreation storage. The source for Permit No. 29-07847 is the Portneuf River.

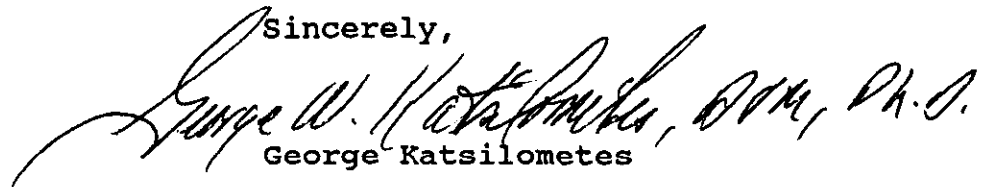
The State does not have a right to this groundwater withdrawal. This groundwater claim, SRBA Claim No. A29-10213, is premised upon a 1963 permit, No. 29-02478, which lapsed. The State did not file for a new permit following the lapse of the original

Ms. Tana Schillingstad
April 24, 1995
Page 2

State provide me with the same benefit it is providing Mr. Vargason. That is, a free conveyancing system with the excess water from the Foundation's withdrawal from the hot springs. Certainly, the State does not want monies that it has appropriated to organizations under your control being utilized to assist in illegal actions or in the preferential treatment of one citizen over another. Further, these monies should not be assisting the depletion of State resources.

I would welcome the opportunity to discuss this matter with State officials and possibly review these diversions on site. I appreciate your time and consideration of this matter. Please let me know how I can be of further assistance.

Sincerely,


George Katsilometes

cc: Floyd Jensen, Chairman
Lava Hot Springs Foundation Board

January 24, 1992

GEORGE WILLIAM KATSILOMETES
5 PORTNEUF AVE.
LAVA HOT SPRINGS ID 83246

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 29-07869

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. 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 EASTERN Regional Office in Idaho Falls at (208)525-7161.

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

c: IDWR - Region

RECEIVED
FEB 07 1992

ANALYSIS SHEET
for
PROOF OF BENEFICIAL USE

Permit No. 29-07869

Date 12/4/91

GENERAL CONSIDERATIONS

yes Name same as permit?
yes Address same as permit? If no, indicate below.
yes Proof timely received? If no, complete priority advancement below.

SOURCE OF WATER

 Surface water source
✓ Ground water source
yes Drill permit req'd?
yes Copy in file? Drill permit no. 29-89-2-014
100 Amt paid for drilling permit? ✓ Correct?
 Well log in file?

LICENSE EXAMINATION FEE

yes Required?
100 Amount submitted?
yes Correct amount?

MEASURING DEVICE

NA Measuring device or access port required?
✓ Installed?
✓ Waiver requested or needed?

DEFICIENCIES OR ACTION ITEMS

duff 343 no fee enclosed - need w/l

proof acceptable

PRIORITY CALCULATION

Date proof received	<u>NA</u>	<u> </u>
Date proof due	<u> </u>	<u>-</u>
No. of days late	<u> </u>	<u>=</u>
Priority date	<u> </u>	<u>+</u>
NEW PRIORITY DATE	<u>✓</u>	<u>=</u>

DATA ENTRY

ADDRESS CHANGE

PROOF MADE 11/14/91

1/24/92 Klg

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.

[illegible]



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

December 26, 1991

Nolan Brent Hendricks
Independent Drilling
664 West 200 North
Blackfoot, ID 83221

Re: Permit No. 29-07869 - George Katsilometes
Drilling Permit No. 29-89-Z-014
Drilling Date: March 1990
Proposed Location: 09S, 38E, Section 21, SE1/4,
SE1/4.

In the department's review of the proof of beneficial use submitted in connection with the above referenced permit, the department was not able to locate a well log which should have been submitted 30 days after completion of the construction of this well.

While it is possible that you have submitted the log, we have been unable to locate it. Please supply me with another copy. Please address any correspondence directly to me. Your response should be received within 20 days of the date of this mailing.

This information is needed before the department can proceed further with the examination of the permit holders system and the eventual issuance of a license of water right.

If you have any questions or if I can be of any further assistance, please feel free to contact me.

Sincerely,

Karen L. Gustafson

Karen L. Gustafson
Secretary/Records Manager

C: Permit Holder

RECEIVED

FEB 07 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

December 4, 1991

George William Katsilometes
5 Portneuf Avenue
Lava Hot Springs, ID 83246

Re: Permit No. 29-07869

Dear Permit Holder:

Returned is your proof of beneficial use submitted in connection with the above referenced permit. The department was not able to locate a well log which should have been submitted by your well driller 30 days after completion of the construction of your well.

If you have a copy of the well log, please provide this office with a copy. If you do not, please contact your driller and ask that he submit a copy.

You have also indicated that a fee of \$100 was enclosed with the proof of beneficial use. However, the Department found no fee enclosed. Please forward the fee also.

Please address any correspondence directly to me. Your response should be received within 20 days of the date of this mailing.

This information is needed before the department can proceed further with the examination of your system and the eventual issuance of a license of water right.

If you have any questions or if I can be of any further assistance, please feel free to contact me.

Sincerely,

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

Enclosure

FEB 07 1992

138139
October 31, 1991

GEORGE WILLIAM KATSILOMETES
5 PORTNEUF AVE.
LAVA HOT SPRINGS ID 83246

PROOF DUE NOTICE

RE: PERMIT NO. 29-07869

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 January 1, 1992. (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,

Nina Shields
Secretary/Records Manager

Enclosures

RECEIVED
FEB 07 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

COMMENCEMENT OF WORKS

29-7869

Permit No. 29-89-2-014

Name(s) of Permit Holder(s): George William Katsilometes

Post Office Address: 16 Durazo Court

Sacramento CA 95833 Tel. No. 916-641-1685

☒ I hereby certify that construction of diversion works for the above referenced permit began on 3-10-90 I understand that I must

(date)
continue to develop the water system with due diligence to maintain a valid permit.

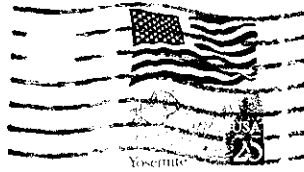
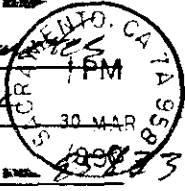
☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:

*Note: A financing difficulty is not an acceptable reason.

Date

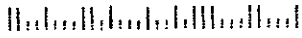
Signature of Permit Holder

George W. Katsikides
16 Durazo Court
Sacramento, CA 95823



FEB 07 1998

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720



S T A T E O F I D A H O
DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 327-7900
December 21, 1989

GEORGE WILLIAM KATSILOMETES
5 PORTNEUF AVE.
LAVA HOT SPRINGS, ID 83246

PERMIT APPROVAL NOTICE

RE: PERMIT NO. P29-07869

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

Please note the requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The enclosed blue card must be completed and returned to this office as soon as you commence construction, no later than one year from the date the permit was approved.

RECORDED

FEB 14 1990

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

MICROFILMED

FEB 14 1980



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

December 11, 1989

George William Katsilometes
16 Durazno Court
Sacramento, CA 95833

mailing address given to MS 12/11/89

Dear Mr. Katsilometes:

Enclosed is Drilling Permit No. 29-89-Z-014 for your proposed Low Temperature Geothermal Well. A copy of the permit has been sent to William Dubbe, your driller.

If you have any questions, please feel free to contact me (phone 208-327-7956).

Sincerely,

A handwritten signature in cursive script, appearing to read 'Mark Slifka'.

MARK SLIFKA
Groundwater Protection Section

MS:ldt

Enclosure

RECEIVED

FEB 14 1990

Drilling Permit No. 29-89-Z-014
Water Permit No. 29-7869
Injection Permit No. _____

RECEIVED

AUG 20 1989

DRILLING PERMIT

Department of Water Resources
Eastern District Office

1. Applicant George William Katsilonietes
2. Address 5 Portneuf Avenue
Lava Hot Springs, ID Telephone (200) 776-5830 ⁵⁵¹⁰ *Angeline*
- (X) Well Owner () Well Operator () Other, specify _____
3. Proposed well location SW 1/4 SE 1/4, or Gov't lot No. 2,
Sec. 21, Twp. 9 So., Rge. 38, County Barnock,
Lot, block and subdivision 1-10 Block 2
4. Proposed use of well: (Check all that apply)
- (X) Domestic () Stockwater () Monitoring
No. of households _____ No. of livestock _____
- () Irrigation () Industrial () Municipal
- () Injection (X) Other, Specify Commercial - Heat and
Baths - For our business own
Lava -
5. Well construction information:
- () New well () Deepen (X) Replace
- Proposed surface diameter 8-10" Maximum depth 300'
- 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)
6. Anticipated construction start date September 1989 **FEB 14 1990**
7. Well Driller (if known) Bill Dubbe ✓
- Address Pocatello, Idaho
8. Applicant's signature George W. Katsilonietes
- Title _____
- Date 8-22-89

ACTION OF DEPARTMENT OF WATER RESOURCES

This Permit is **APPROVED**.

If approved, this permit authorizes the construction of a well subject to the following conditions:

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 its date of issuance for the start of construction and is valid for one (1) year from the date of issuance 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. Issuance 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.

SPECIFIC CONDITIONS

Dated this 11 day of December, 1989.

Signed

Title

Glenn B. Dyer

Groundwater Protection Section

Receipt No. E010004 Received by HWT Fee 100⁰⁰ ✓ Date 8-28-89

EXTENSION OF DRILLING PERMIT

RECEIVED

Approval Date _____ Extension approved by _____ FEB 14 1990

This extension is good for 60 days beyond the above extension approval date.

Replacement
Low T
Geothermal

Prospectus

Required Cover

Rotary Drilling

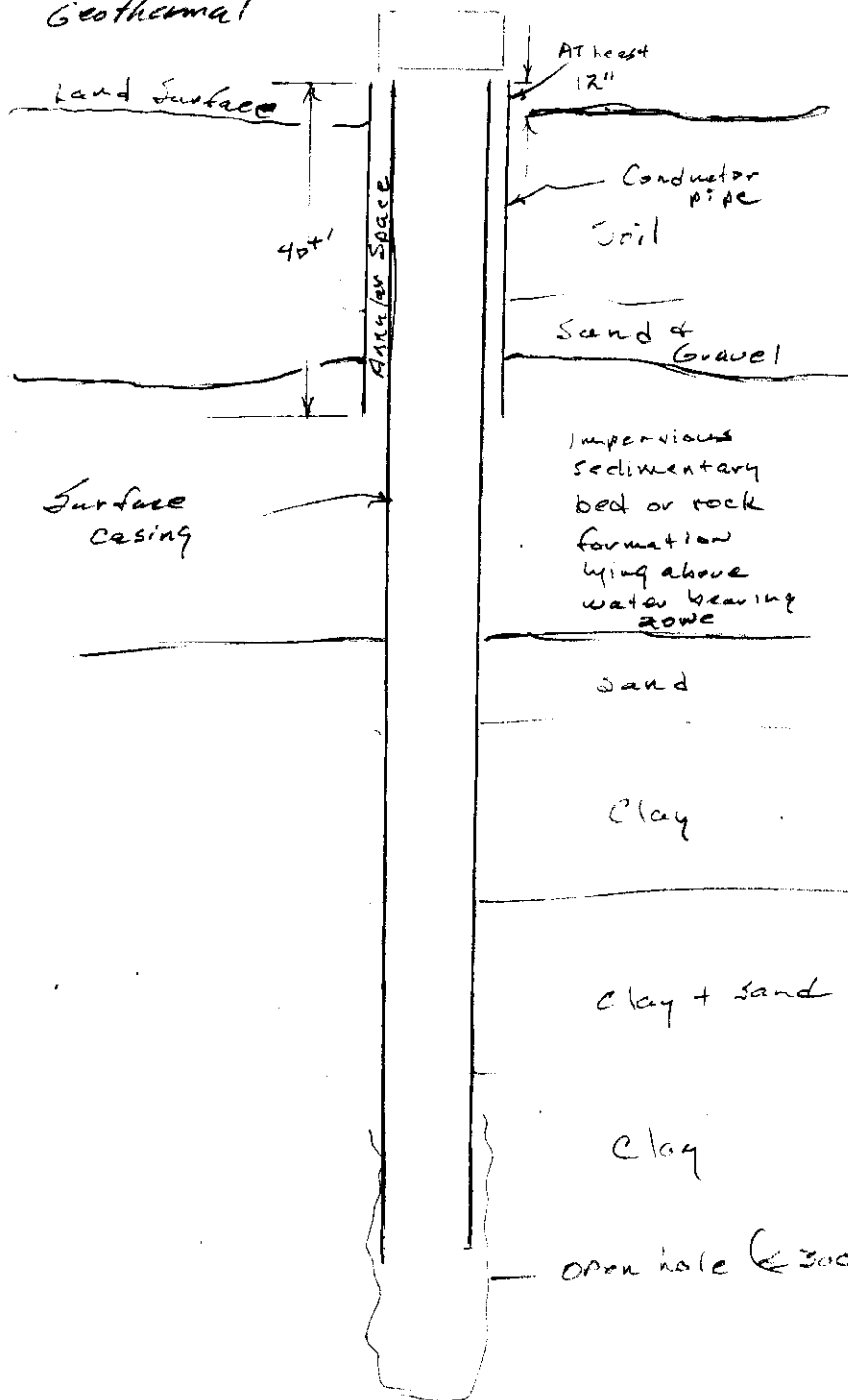
Driller - J. Dubbe

Locatella, ID

Owners - George and/or Frances
Katsilometes

Location -

SW 1/4 of SE 1/4 Goutlot 2,
Sec 21, Twp 9S, Range 38
Bannock County, Idaho



Annular space to be sealed
(filled) with cement grout,
or bentonite grout, or
puddling clay. *MS*
11-30-79

Casing Specs.

outside diameter -
conductor pipe = 10"
surface casing = 8"

Wall Thickness
(inches)

.250

weight per ft.
(lbs.)

314.00

UNFILMED

FEB 14 1990

29-89-2-014

Drilling
Prospectus

Oil and Gas

Exploration

George Katsilomates.
FRANCES B. BRADY, M.S.
241 B STREET
DAVIS, CALIFORNIA 95618

send ↑
Correspondence
to



Idaho Department of Water Resources
c/o Harold Jones - Director
150 W. Shoupe St. Suite 15
Idaho Falls, Idaho
83401

8-22-89

Harold Jones - Director
Idaho Department of Water Resources
150 Sheep Ave., Suite 15
Idaho Falls, ID 83401

Dear Harold,

You will find enclosed in this mailing my application to replace an existing ^{low to geothermal} well on my property in Luck Hot Springs. I have applied for water and well drilling permits as suggested by Mark Slika - Boise. Thanks again for your help. I would like to get this well in prior to winter if at all possible -

MICROFILMED

FEB 14 1990

Thanks -

George K. [Signature]

16-Oct-1989

George William Katsilometes
241 B Street
Davis, CA 95616

RE: Application for Permit No. 29-7869

Dear Water Right Applicant:

The Department of Water Resources acknowledges receipt of your water right permit. This office is currently in the process of advertising the application in the Idaho State Journal. The advertisement will be published for two consecutive weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our state office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely,

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb

MICROFILMED

FEB 14 1990

13-Oct-1989

Department of Health & Welfare
Division of The Environment
150 N. 3rd
Pocatello, ID 83201

RE: Application for Permit No. 29-7869

Dear Sir:

This office is currently in the process of publishing notice that the above application for permit was filed with the Department of Water Resources. Since the application may be of interest to you, a copy is enclosed for your examination. Comments concerning the application should be addressed to the applicant with a copy forwarded to this office. Protests objecting to granting a permit should be directed to this Department and received as soon as possible. Final action will be taken by this office shortly after this date, provided there are no protests lodged against the applications.

Respectfully submitted,

Harold W. Jones
Water Rights Supervisor

HWJ/rb
Enclosure

MICROFILMED

FEB 14 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern Region
150 Shoup Ave., Suite 15

Idaho Falls, Idaho 83402
(208) 525-7161

OCTOBER 10, 1989

IDAHO STATE JOURNAL
P.O. BOX 431
POCATELLO, ID 83204

Gentlemen:

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 NOVEMBER 6, 1989.

Yours truly,

Rita Bodell
Secretary

Encl.

REGISTERED

FEB 14 1990

NOTICE OF APPLICATION FOR WATER RIGHT

The Following appl ion(s) have been filed appropriate the public
waters of the State of Idaho:

RECEIVED

FEB 14 1990

29-07869

KATSILOMETES, GEORGE WILLIAM
5 PORTNEUF AVE.
LAVA HOT SPRINGS, ID 83246

Source: GROUNDWATER

Diversion Pt: NWSESE Sec 21 T 09S R 38E

Use: COMMERCIAL (.500 CFS)

Date Filed: 8/25/1989

In: T09S R38E S21 SESE

MICROFILMED

FEB 14 1990

The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before NOVEMBER 6, 1989.

R. Keith Higginson, Director

Published 10/19/1989 & 10/27/1989

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FEB 14 1990