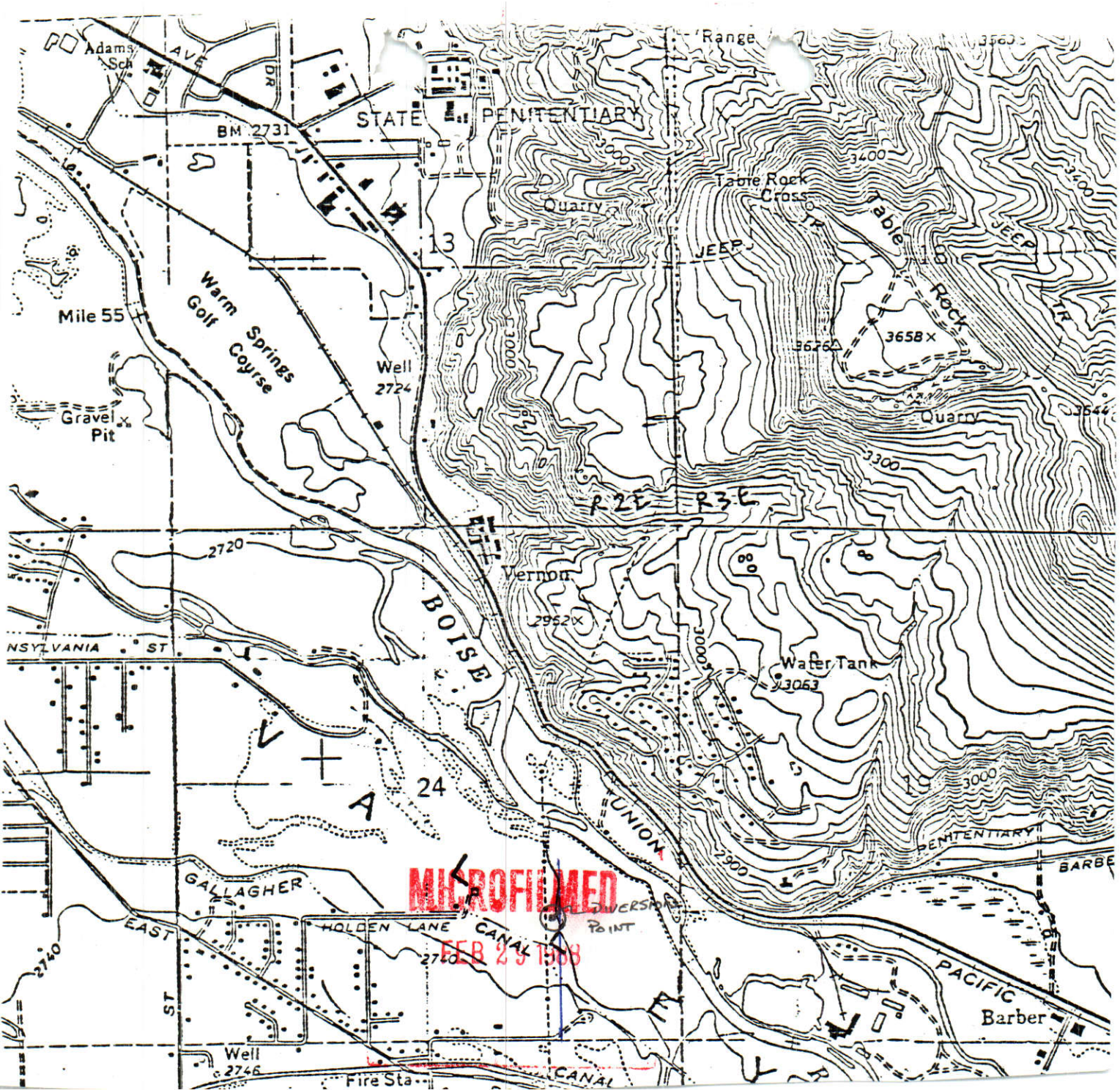




13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

RANGE 2 EAST

RANGE 3 EAST

12

13

18

23

24

19

26

25

30

DIVERSION POINT

TOWNSHIP 3 NORTH

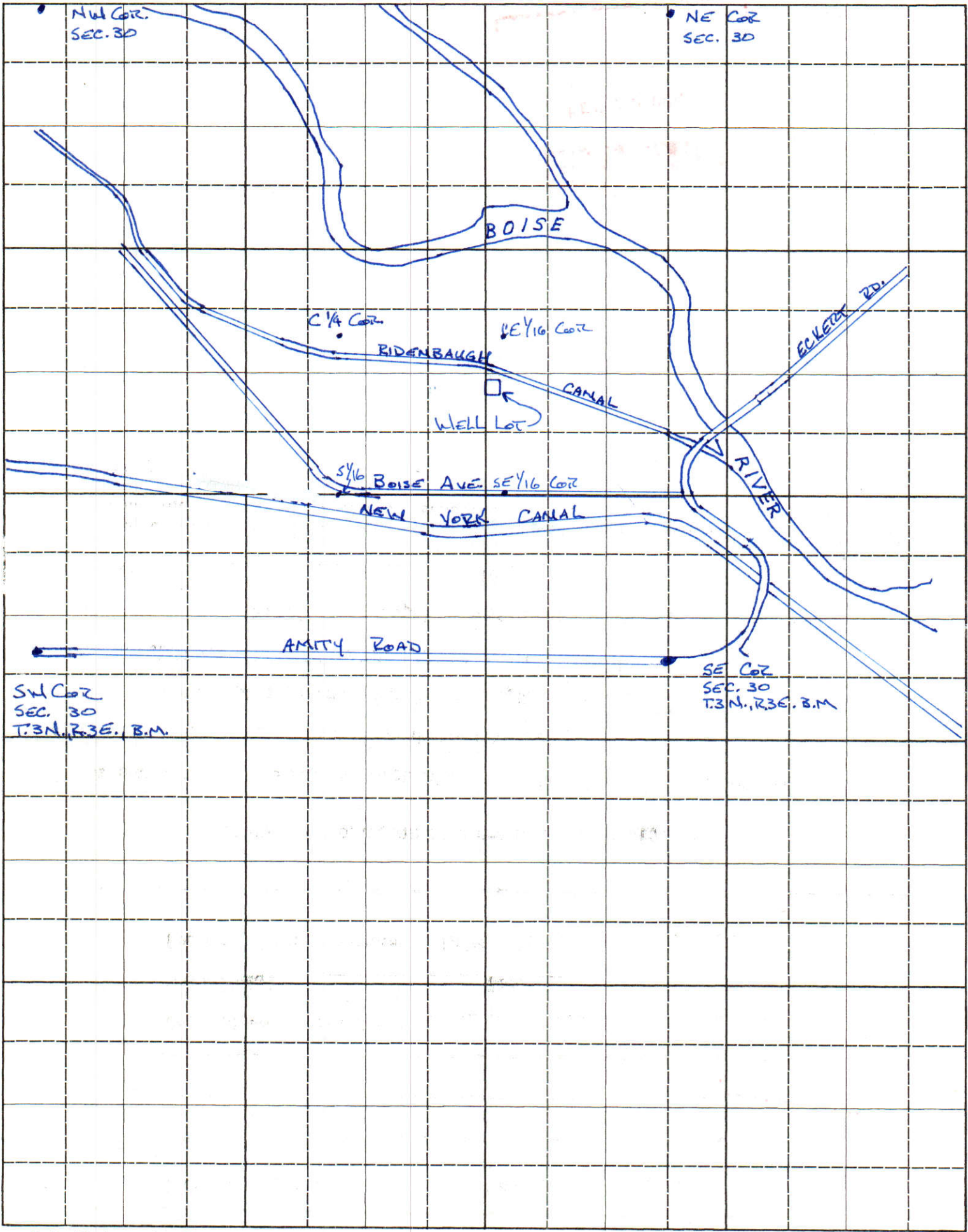
Scale: 2 inches equal 1 mile.

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.

FEB 29 1988

Benjamin M. Hepler, mgr.
(Applicant)

11. 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.

MICROFILMED

FEB 29 1988

Benjamin M. Hepler, mgr.
(Applicant)

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due
25.00

Account Name Idaho Department of Water Resources (Western)				Account Number #47628	
Address Statehouse		City/State Boise, ID		Zip 83720	
Ordered By R. Keith Higginson	P.O. Number	Rate NT	Run Dates 1987 Sept. 3, 10		
Identification Notice of Amended Application for Permit			Estimated Inches	Real Inches	
1 Number of Affidavits Requested					Legal Number #6303

RECEIVED

SEP 11 1987

RECEIVED
SEP 14 1987

Department of Water Resources
Western Regional Office

STATE OF IDAHO)

) ss.

COUNTY OF ADA)

Department of Water Resources

Deborah Gregory

_____, 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 (2) ☒ consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip

insertion(s) beginning with the issue of September 3, 19 87

and ending with the issue of September 10, 19 87

Deborah Gregory

Subscribed and sworn to before me this 10th

day of September, 19 87

FEB 29 1988

Connie Helleson 8/92

Notary Public for Idaho, Residing at Boise, Idaho

NOTICE OF AMENDED APPLICATION FOR PERMIT

Notice is hereby given that application No. 63-10405 in the name of Boise Water Corporation was filed on 8/25/87 for the diversion of 3.34 cfs from a groundwater source with a point of diversion within the NWSE, Sec. 30, Twp. 3N., Rge. 3E., B.M. to be used for Municipal purposes from Jan. 1 to Dec. 31 within portions of City of Boise, ID. The applicant now proposes to amend the application by changing the point of diversion to the SWSE, Sec. 24, Twp. 3N., Rge. 2E., B.M.

Any protest against the approval of the amended application must be filed with the Department of Water Resources, Western Region, 2735 Airport Way, Boise, ID 83705 on or before September 21, 1987.

R. KEITH HIGGINSON
Director

Pub. Sept. 3, 10, 1987

6303

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

28.47

Account Name Idaho Department of Water Resources (Western)			Account Number 47628	
Address 2735 Airport Way		City/State Boise, ID		Zip 83705
Ordered By Judy Pense	P.O. Number	Rate NT	Run Dates 1987 April 16, 23	
Identification App: Boise Water Corporation			Estimated Inches	Real Inches
1 Number of Affidavits Requested				Legal Number 5041

RECEIVED
APR 24 1987

STATE OF IDAHO)
) ss. Department of Water Resources
) Western Regional Office
COUNTY OF ADA)

Deborah Gregory, 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 (2)

☒ consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip

insertion(s) beginning with the issue of April 16, 19 87

and ending with the issue of April 23, 19 87

Deborah Gregory

Subscribed and sworn to before me this 23rd

day of April, 19 87

NOTICE OF APPLICATION FOR WATER RIGHT

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

63-10405 VSE

Boise Water Corp.
P.O. Box 7488
Boise, ID 83707

Source: Groundwater

Diversion Pt: NWSE
Sec. 30 T 03N R 03E

Use: Municipal (3.340 CFS)

Date Filed: 03/17/1987

P/U: Within the City Limits of Boise

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before May 4, 1987.

KEN DUNN
Director

Pub. Apr. 16, 23, 1987

RECEIVED
FEB 29 1988

Connie Blackburn 3/92
Notary Public for Idaho, Residing at Boise, Idaho

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
FEB 19 1991

Department of Water Resources
Permit No. 63-10405

A. GENERAL INFORMATION

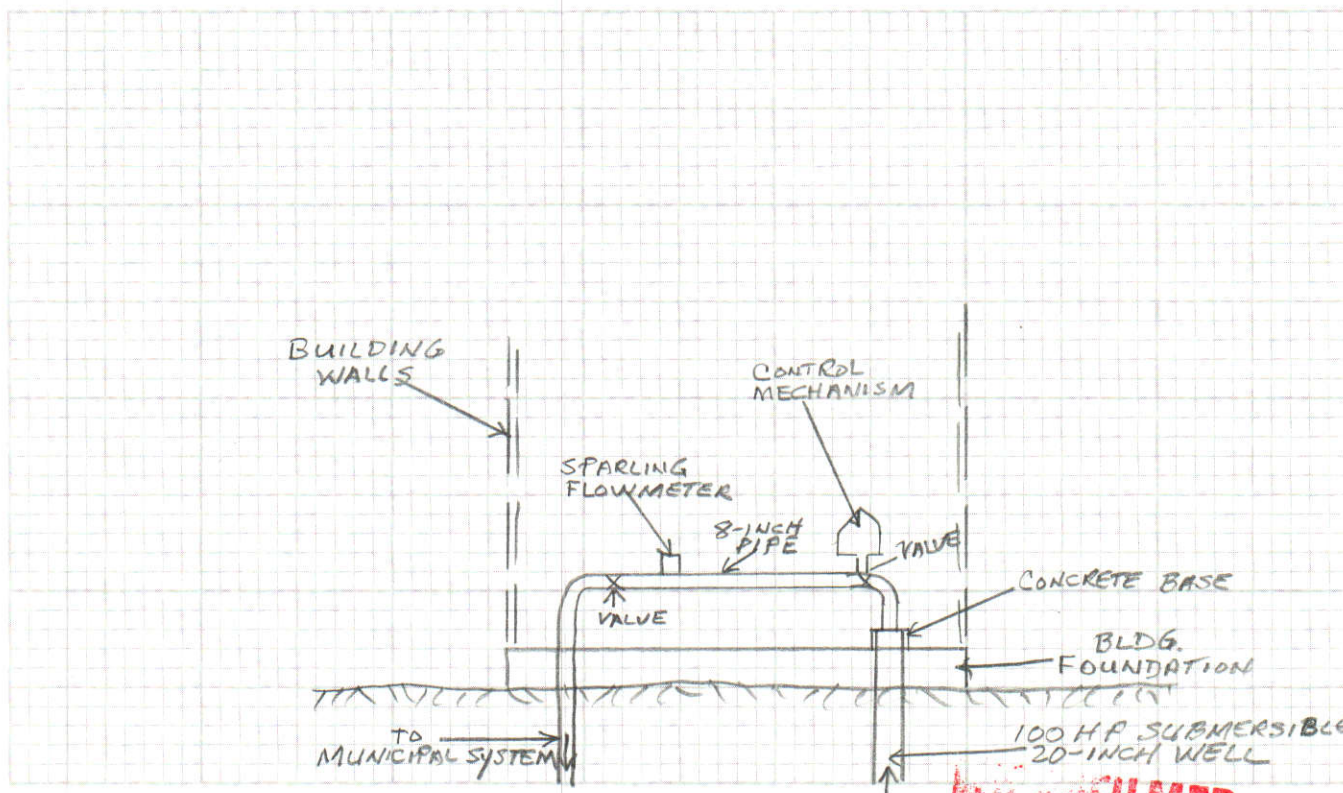
1. Owner: BOISE WATER CORPORATION Phone No. 362-1300
Current Address: P.O. BOX 7488, BOISE, IDAHO 83707
2. Accompanied by: JAMES MOONEY EXAM. DATE: JUNE 5, 1990
Address: 8248 W. VICTORY, BOISE, IDAHO Phone No. 362-1300
Relationship to Permit Holder: DISTRIBUTION MANAGER
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE ☐ Copies Attached
2. Other water rights with same point of diversion: NA ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

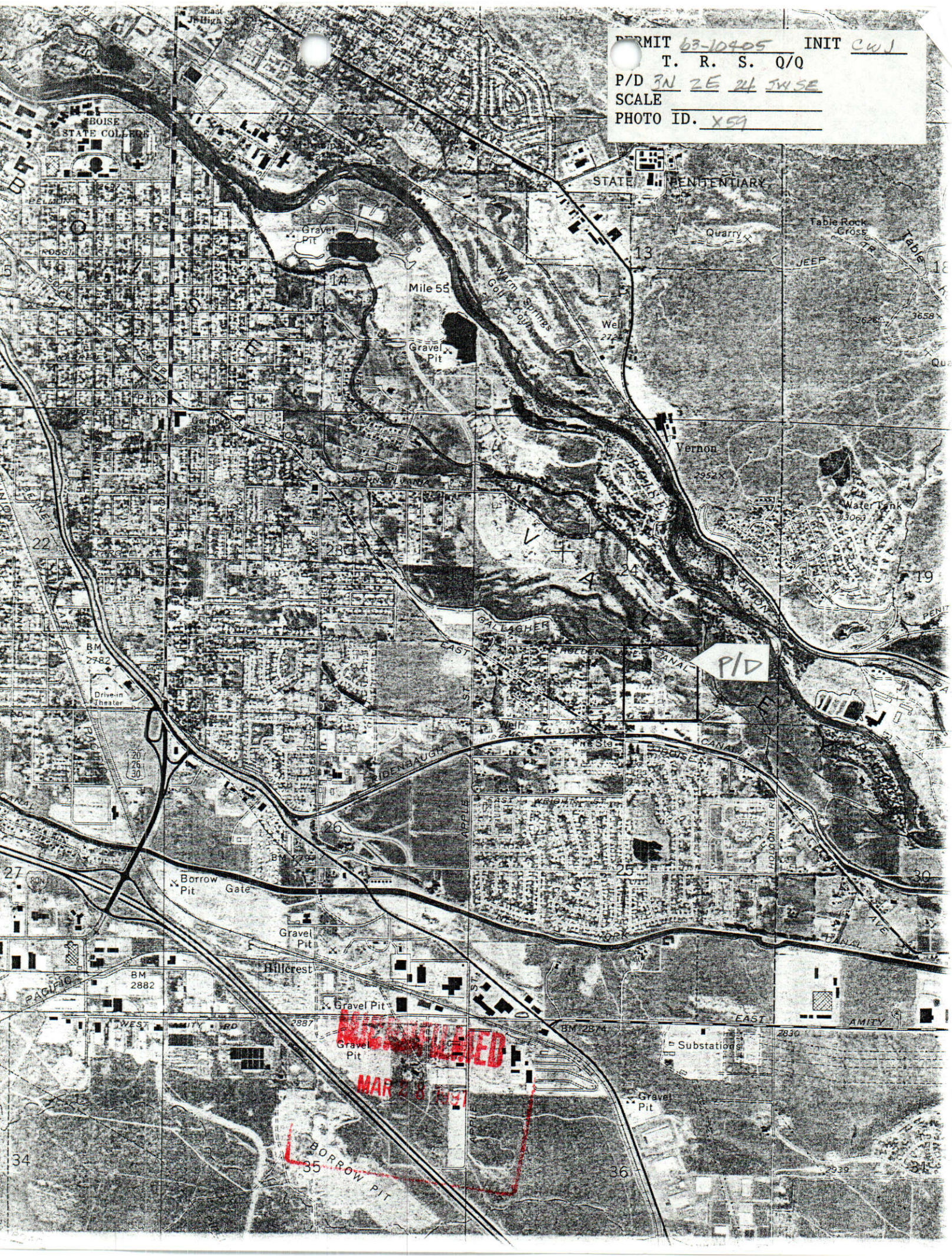
1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = 10'

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required). ☐ Aerial Photo Attached MAR 28 1991
(required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

PERMIT 63-10405 INIT CWJ
T. R. S. Q/Q
P/D 3N 2E 24 1W SE
SCALE _____
PHOTO ID. X59



WR # 63-10405

PHOTO #1

20-INCH WELL EQUIPPED WITH 100 HP SUBMERSIBLE
PUMP AND VARIABLE CONTROLLER.

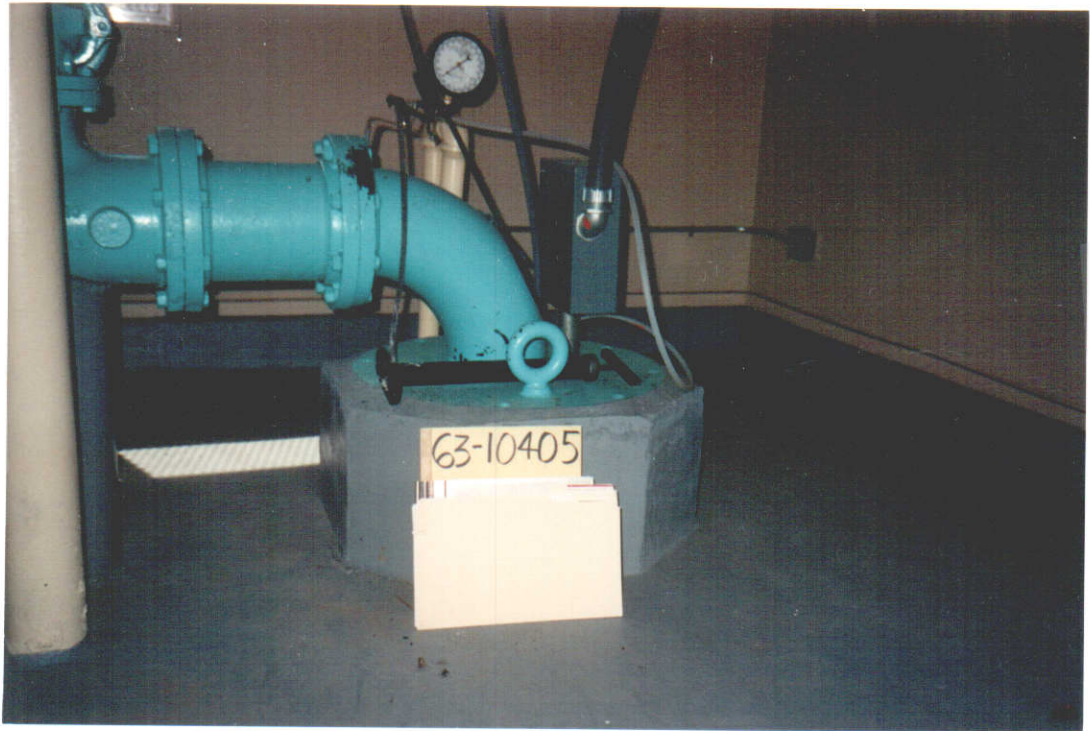


PHOTO #2

8-INCH SUPPLY LINE AND SPARKING FLOWMETER.
OUTLET TO BURIED MUNICIPAL SUPPLY SYSTEM.



RECEIVED
MAR 20

WR[#] 63-10905

PHOTO #3

VIEW LOOKING NORTHEAST INSIDE PUMPHOUSE ENCLOSURE.



MICROFILMED

MAR 28 1991

GRND
LEVEL

20" SURFACE CASING

70'

18" CASING

MICROFILMED

FEB 29 1988

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.

CHART NO. WH

TEXAS, U.S.A.

PIER - INTE
20 ft/min log speed
Time constant = 8
Count rate = 50
10-27-87
1619 hrs

BSU G & G
E. Squires & S. Wood

30'

70'

100 ft

120'

150'

NATURAL
GAMMA
RAY LOG

Counts per second

(uncalibrated)

16

clay

sand

clay

sand w/ fines

clay

sand

clay

sand

clay

sand w/ fines

clay

17

SCREENS

SCREENS

10" CASING

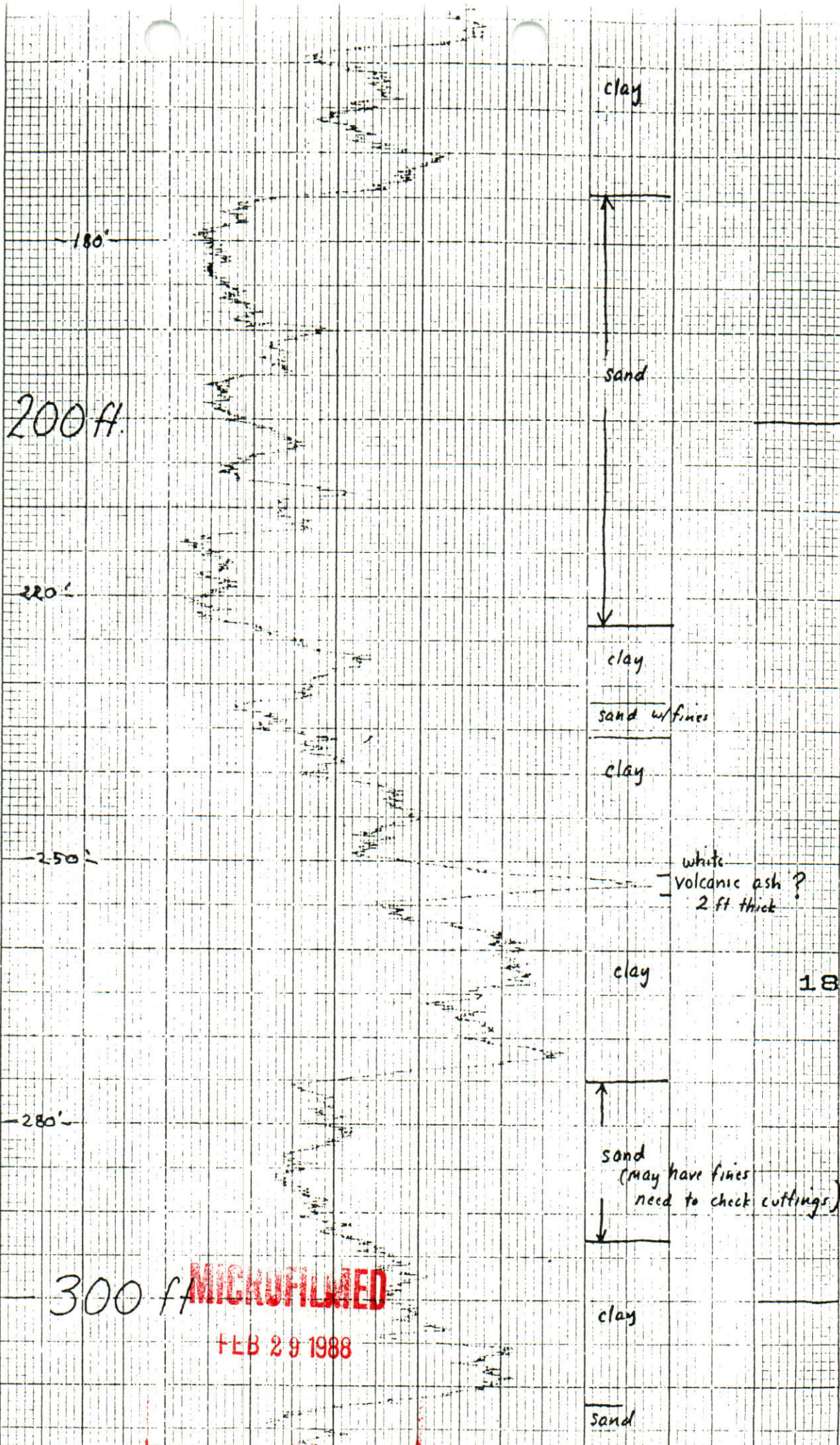
170' 18" CASING

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS

MADE IN U.S.A.

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.



SCREENS

SCREENS

10" CASING

SCREENS

MADE IN U.S.A.

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.

-360'

-400 ft

-430'

-460'

sand

sand w/ fines

sand

sand w/ fines

clay

sand

sand w/ fines

clay

sand w/ fines

clay

sand w/ fines

clayey

sand w/ fines
(check cuttings)

19

RECORDED

FEB 29 1988

BLANK END
OF CASING
465'

MADE IN U.S.A.

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.

CHART NO. WH

460'

(check cuttings)

clay

very
high- δ
-activity
(check
cuttings)

491.5'

Depth - Log tool

491.5 ft

20

Re-Run



400'

420'

440'

MICROFILMED

FEB 29 1988

70' surface casing
inner PVC to bottom.

Temperature °F

40 50 60 70 80

BWC
Pier Point Well
10-26-87
B.S.U. G & G.

no significant temperature
change above
400 ft

3800

400 ft

53.5°

1.3

440' →

450 ft

Temp
°F

75.5°

491.5'

RECORDED

FEB 29 1988

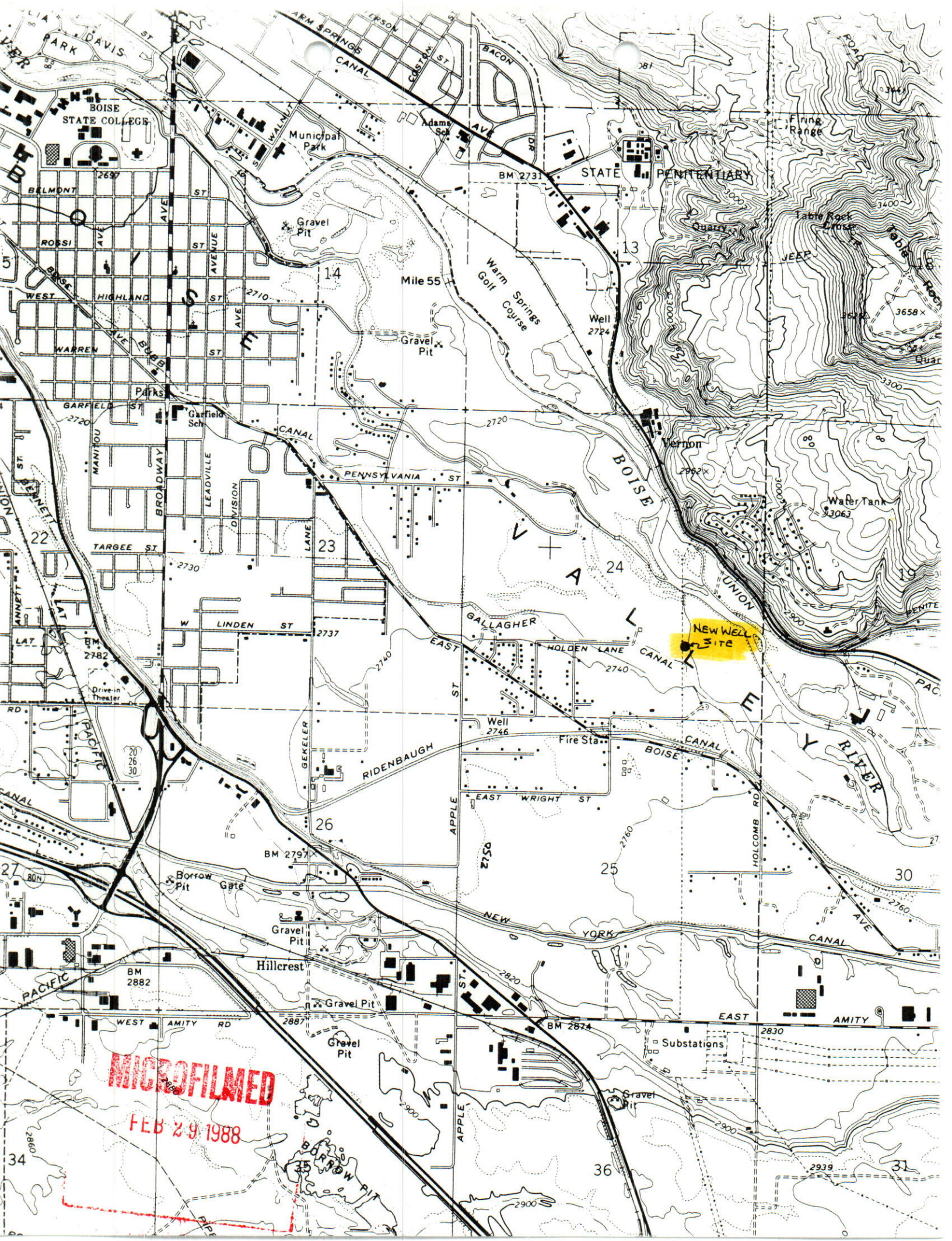
491.5 ft
≈ 75.5° F
30 ft/sec log up

MADE IN U.S.A.

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.



MICROFILMED

FEB 29 1988

NEW WELL SITE
APPR DISTANCE FROM
WELL TO RIDENBAUGH
CANAL = 1720'

N
1" = 200'

RIDENBAUGH CANAL

BOISE AVE.

NORFOLK

MICROFILMED
FEB 29 1988

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-10405

Priority: March 17, 1987

Maximum Diversion Rate:

1.56 CFS

This is to certify, that BOISE WATER CORP.

P. O. BOX 7488

BOISE, ID 837070000

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated March 17, 1987; and has submitted Proof of Beneficial Use on September 21, 1989. An examination indicates that the works have a diversion capacity of 1.560 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
MUNICIPAL	01/01 to 12/31	1.56 CFS	

LOCATION OF POINT(S) OF DIVERSION:

SWSE , Sec. 24, Township 03N, Range 02E
ADA County

PLACE OF USE: See Remarks

CONDITIONS/REMARKS:

1. This water right is appurtenant to the described place of use.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. Place of use is within the city limits of Boise.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 20TH day of MARCH, 1991.

Acting for

R. Keith Higginson, Director

MICROFILMED

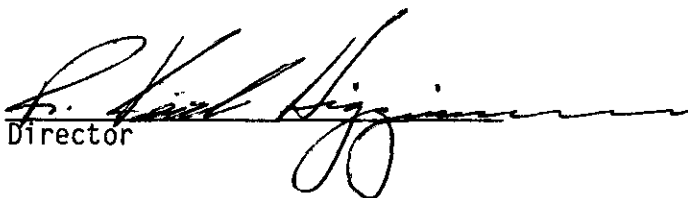
MAR 26 1991

ATTACHMENT TO CONDITIONS OF APPROVAL

For Permit No. 63-10405

- e. 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.
- f. A flow measurement port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
- g. Permit holder shall comply with the drilling requirements of Section 42-238, Idaho Code.
- h. Unperforated casing shall be installed to a depth of at least 300 feet.
- i. The point of diversion identified in this permit is located within the boundaries of the Boise Front Low Temperature Geothermal Resource Ground Water Management Area. If water with a temperature greater than 85°F is encountered by the driller, the Department must be immediately notified and drilling must immediately cease pending a review of drilling conditions by the Department.
- j. Drilling fluid return temperatures shall be monitored each 20 feet during drilling, and a report shall be prepared of this data. This report, plus a determination of the static temperature gradient within the well shall be submitted to the Department when the well is completed or when 85°F water is encountered, whichever is first.

Witness my hand this 30th day of October, 1987.


Director

MICROFILMED

FEB 29 1988

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

In the Matter of Changing)
the Conditions of Approval)
of Permit No. 63-10405 in)
the Name of Boise Water)
Corporation)

ORDER

WHEREAS, on October 30, 1987, the Department of Water Resources issued Permit No. 63-10405 in the name of Boise Water Corporation with a condition of approval which reads as follows:

"Unperforated casing shall be installed to a depth of at least 300 feet";
and

WHEREAS, the condition of approval was for the purpose of preventing the permit holder from intermingling the cold water aquifer with the deeper low temperature geothermal water; and

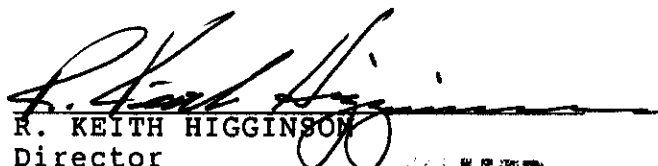
WHEREAS, on November 20, 1987 the permit holder submitted a temperature log to the department and requested that based on information provided on the temperature log, the condition of approval be changed to reduce the required depth of unperforated casing to 170 feet; and

WHEREAS, the temperature log provided by the permit holder provides sufficient evidence to show that the permit holder will not encounter the low temperature geothermal resource in the area;

NOW THEREFORE, the condition of approval requiring unperforated casing is changed to read as follows:

"Unperforated casing shall be installed to a depth of at least 170 feet".

Dated this 19TH day of NOVEMBER, 1987


R. KEITH HIGGINSON
Director

RECEIVED

FEB 29 1988

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
AMENDED APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Boise Water Corporation Phone 362-1300
Post office address P.O. Box 7488 Boise, ID 83707
2. Source of water supply Groundwater (Spring Meadow Well) which is a tributary of _____
3. Location of point of diversion is SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of _____ $\frac{1}{4}$, Govt. Lot _____
Sec. 24 Township 3 North Range 2 East B.M. Ada County; additional
points of diversion if any: _____
4. Water will be used for the following purposes:
Amount 3.34 for Municipal 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) 3.34 and/or (b) _____ * from the deep well.
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc. A well which penetrates and produces water from below 3 clay layers totalling 27 feet of clay. The well will be sealed into the top two layers. The well will be drilled 18" in diameter with a 10" casing, and will be driven by an electric motor. Water produced from the well will be supplied directly to applicant's distribution system.
 - 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 18 inches; proposed depth of well is 500 feet.
 - d. Is ground water with a temperature of greater than 90°F being sought? No
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).

FEB 29 1988

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

- a. Hydropower; show total feet of head and proposed capacity in KW. N/A
- b. Stockwatering; list number and kind of livestock. N/A
- c. Municipal; show name of municipality. Boise, Idaho
- d. Domestic; show number of households.
- e. Other; describe fully. N/A

9. Description of place of use: Boise Water Corporation's service system.

- 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	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

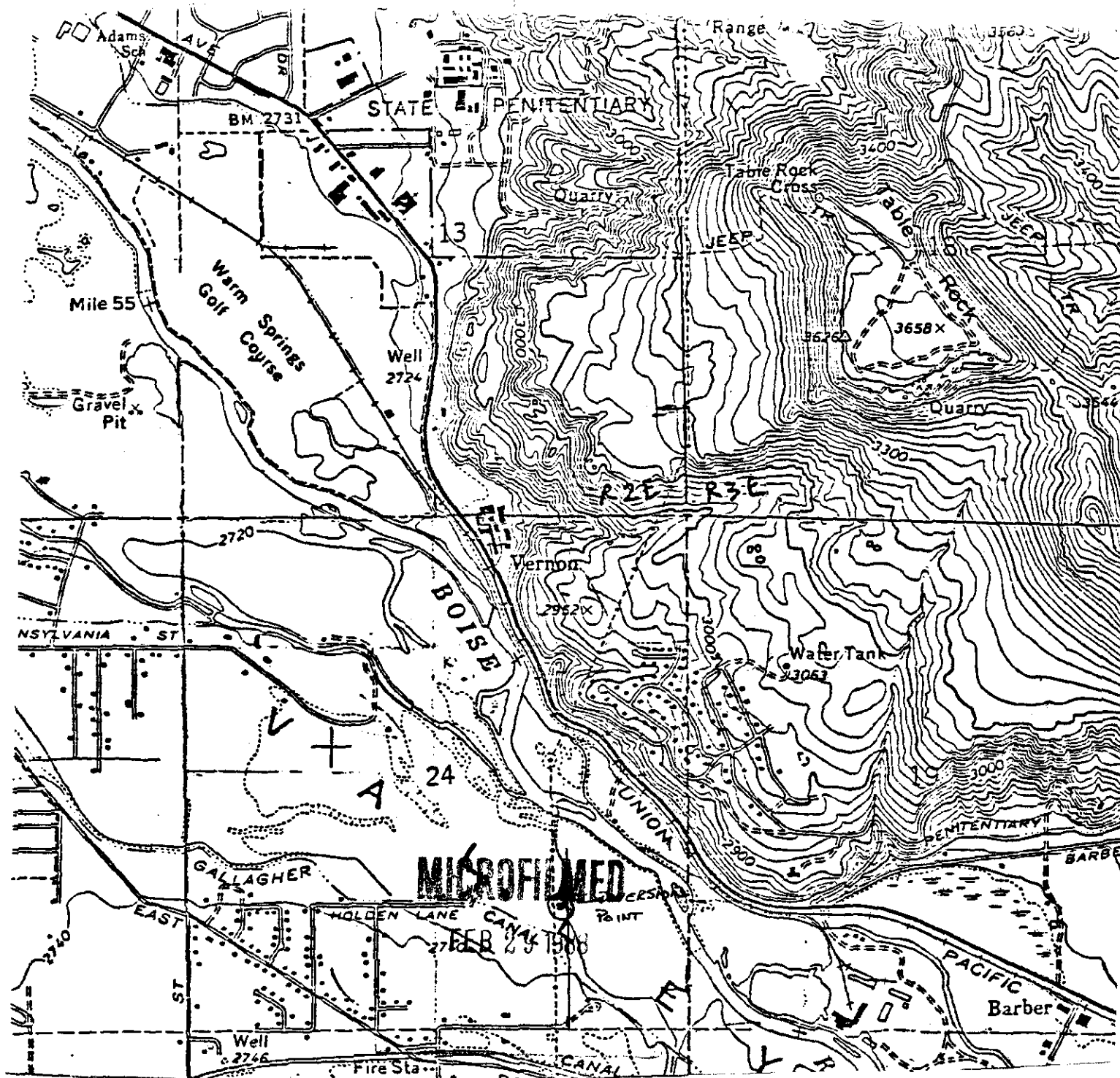
Total number of acres to be irrigated

10. Describe any other water rights used for the same purposes as described above. All permits for Boise Water Corporation as filed and on record with the Department of Water Resources

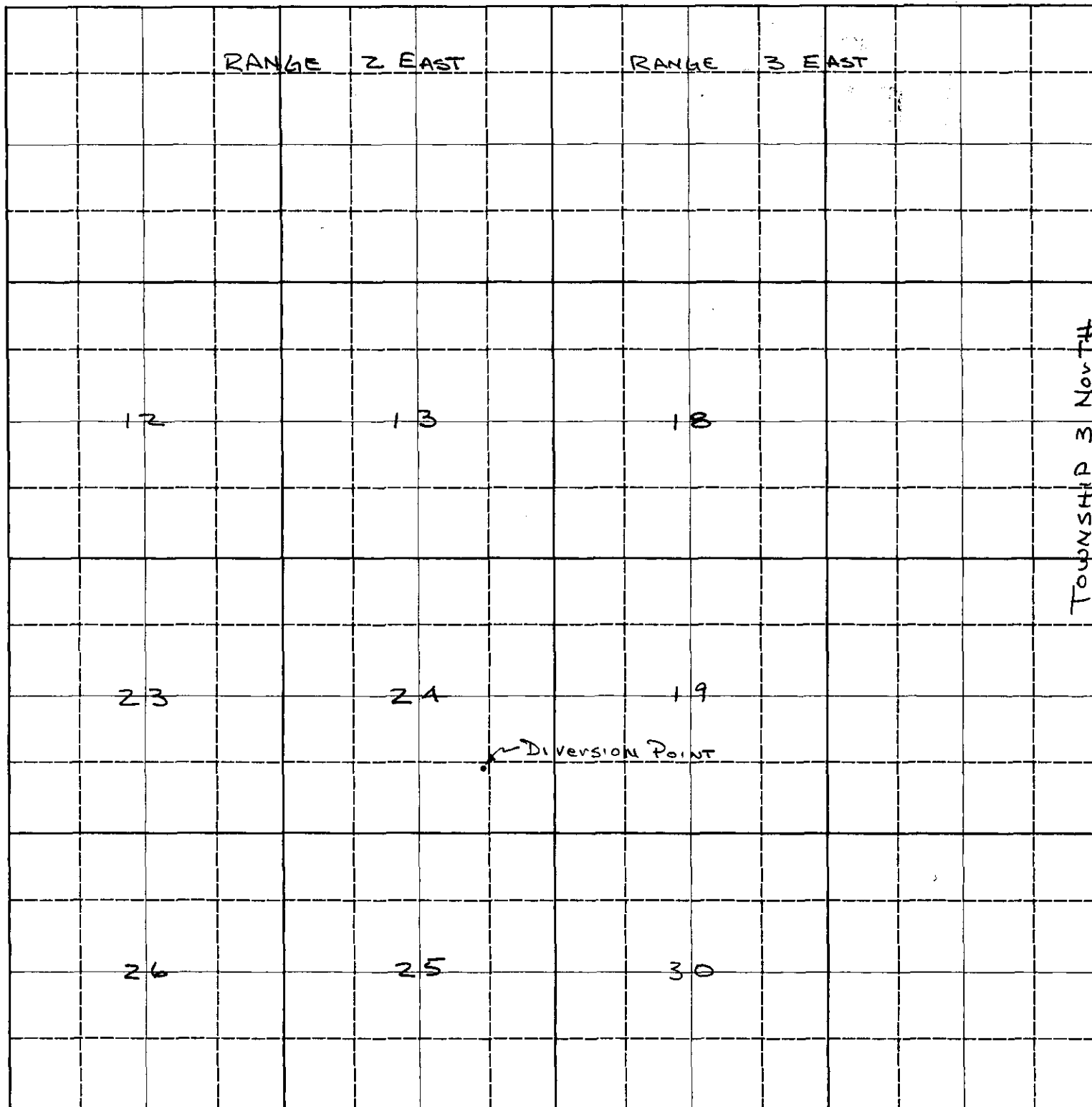
11. a. Who owns the property at the point of diversion? River Run Development Company
- b. Who owns the land to be irrigated or place of use? N/A
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. Boise Water Corporation holds a long term lease on the well site.

12. Remarks: Water will be used in Boise Water Corporation's existing system and to provide service to an expanding system.

RECEIVED
FEB 29 1988



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.

FEB 29 1988

Benjamin M. Hepler, mgr.
(Applicant)

ORIGINAL PRIORITY DATE 3/17/87

Proposed Priority 3/17/87

Received by [Signature] Date 8/25/87 Time 11:32 A.M. Preliminary check by [Signature]
AMENDED APP. Fee \$ 20.00 Receipted by [Signature] # 43897 Date 8/25/87
Publication prepared by JP Date 8/25/87 Published in Idaho Statesman
Publication approved e H Date 9/17/87

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. 63-10405, and said application is hereby APPROVED.

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 November 1, 1989.
- 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: SEE ATTACHED SHEET FOR CONDITIONS e thru j.

Witness my hand this 30th day of October, 1987.

[Signature]
Director

INDEXED
FEB 29 1988

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Boise Water Corporation Phone 362-1300

Post office address P. O. Box 7488 Boise, Idaho 83707

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 Section 30 Township 3 North

Range 3 East B.M. Ada County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 3.34 for Municipal 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:

a. 3.34 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. An 18" drilled and 10" cased deep well turbine driven by an electric motor. Discharge will be directly to applicant's distribution system.

b. Height of storage dam N/A feet, active reservoir capacity N/A acre-feet; total reservoir capacity N/A acre-feet, materials used in storage dam: N/A

Period of year when water will be diverted to storage N/A to N/A inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is 18 inches; proposed depth of well is 400 feet.

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 — maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____

Range _____ B.M.

(2) Amount of power to be generated: None horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered N/A

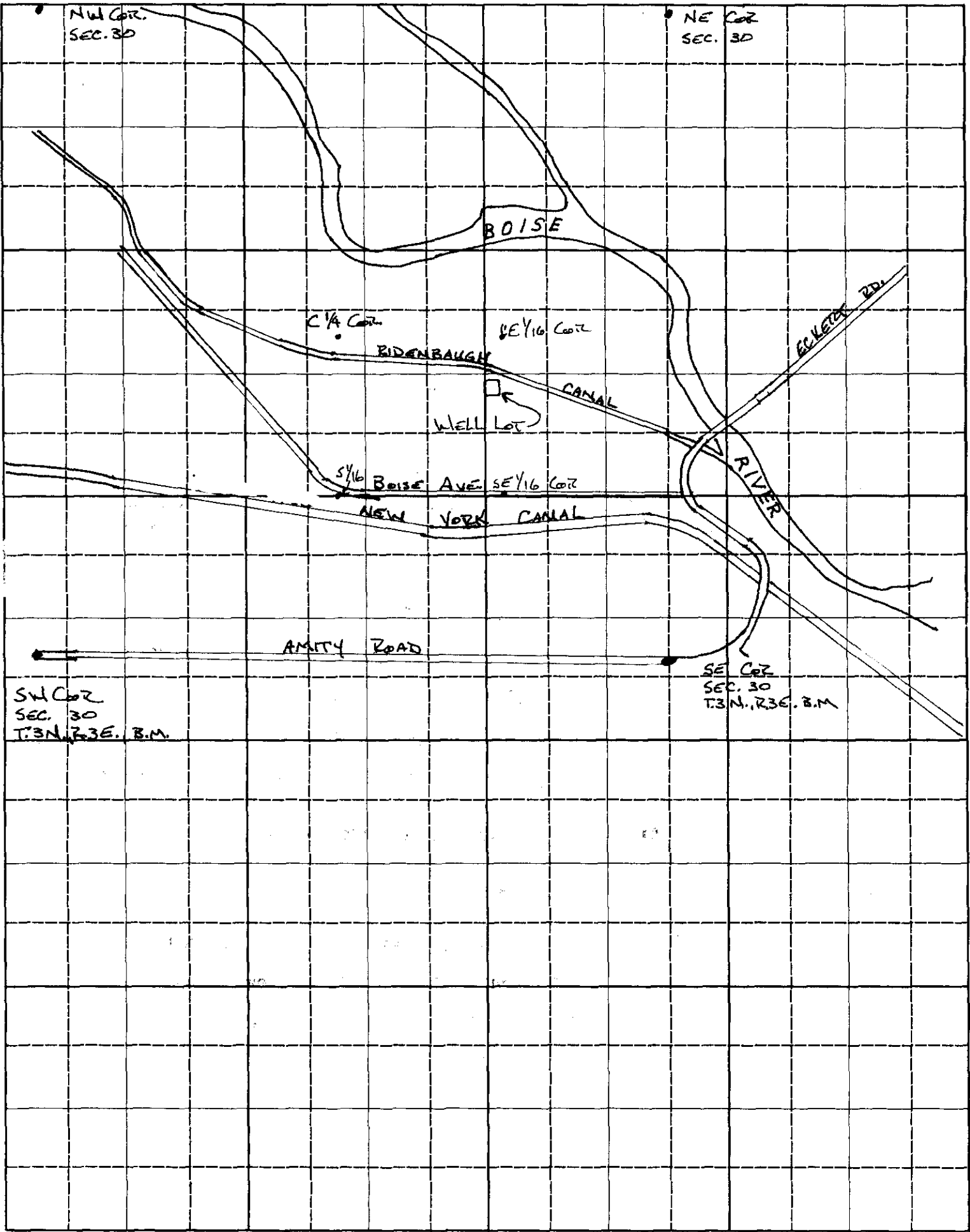
(4) Name of municipality to be served Boise, Idaho, or number of families to be supplied with domestic water _____

(5) If water is to be used for other purposes describe: N/A

MICROFILMED

FEB 29 1988

11. 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.

MICROFILMED

FEB 29 1988

Benjamin M. Hepler, mgr
(Applicant)

Received by SP Date 3/24/87 Time 11:00 AM
Preliminary check by JP Fee \$ 105.00 # 42296
Receipted by SP Date 3/19/87
Publication prepared by SP Date 4/8/87
Published in the Idaho Statesman
Publication dates 4/16 & 4/23/87
Publication approved SP Date 4/8/87
Protests filed by: Richard W. Haumann, Dist. Mgr., Nampa & Meridian
Irr. Dist. Withdrawn 10/24/1987

Copies of protests forwarded by JP
Hearing held by _____ Date _____
Recommended for approval denial by _____

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 _____.

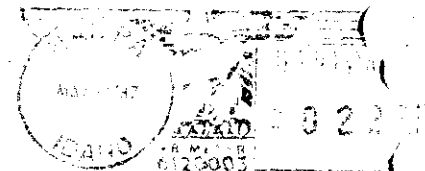
1. Approval of said application is subject to the following limitations and conditions:

- 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. Other:

MICROFILMED

FEB 29 1988

Nampa & Meridian Irrigation District
1503 First Street South
Nampa, Idaho 83651-4395



IDAHO DEPARTMENT OF WATER RESOURCES
REGIONAL OFFICE
2735 AIRPORT WAY
BOISE, ID 83705



RECEIVED

MAY 4 1987

Department of Water Resources
Western Regional Office

Nampa & Meridian Irrigation District

1503 FIRST STREET SOUTH NAMPA, IDAHO 83651-4395

Phones: Area Code 208

OFFICE: Nampa 466-7861
Boise 343-1884

SHOP: Nampa 466-0663
Boise 345-2431

30 April 1987

Idaho Department of Water Resources
Regional Office
2735 Airport Way
Boise, Idaho 83705

63-10405

Dear Mr. Tuthill:

The Idaho Department of Water Resources list of new water right filings, dated April 14, 1987, shows an application by Boise Water Corporation for 3.34 c.f.s. of ground water for municipal purposes. The point of diversion under this application is in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 30 Township 3 North Range 3 East, Boise Meridian. This location is just south of the Ridenbaugh Canal right-of-way. As a matter of fact, one guy wire anchor is inside of our right-of-way.

It seems to me entirely possible that the proposed diversion could affect the quantity of water flowing down the Ridenbaugh Canal. The proposed ground water source could result in increased seepage from the Ridenbaugh Canal.

Therefore, Nampa & Meridian Irrigation District is with this letter filing objections to this water application.

Sincerely,

Richard W. Haumann

Richard W. Haumann
District Manager
Nampa & Meridian Irrigation District

pc: Each Director
Secretary of the Board
Ringert, Clark, Harrington, Reid, et al
File

RWH:jj

BOISE

NOT FILMED

FEB 29 1988

APPROXIMATE IRRIGABLE ACRES
RIVER FLOW RIGHTS — 23,000
BOISE PROJECT RIGHTS — 40,000

The Idaho Statesman

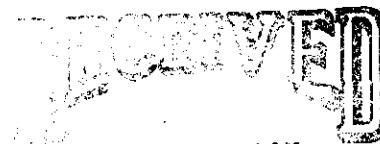
P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

25.00

Account Name Idaho Department of Water Resources (Western)			Account Number #47628	
Address Statehouse		City/State Boise, ID		Zip 83720
Ordered By R. Keith Higginson	P.O. Number	Rate NT	Run Dates 1987 Sept. 3, 10	
Identification Notice of Amended Application for Permit			Estimated Inches	Real Inches
1 Number of Affidavits Requested				Legal Number #6303



SEP 11 1987

STATE OF IDAHO)

) ss.

COUNTY OF ADA)

Department of Water Resources

Deborah Gregory

, 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 (2) ☒ consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip

insertion(s) beginning with the issue of September 3, 19 87

and ending with the issue of September 10, 19 87

Deborah Gregory

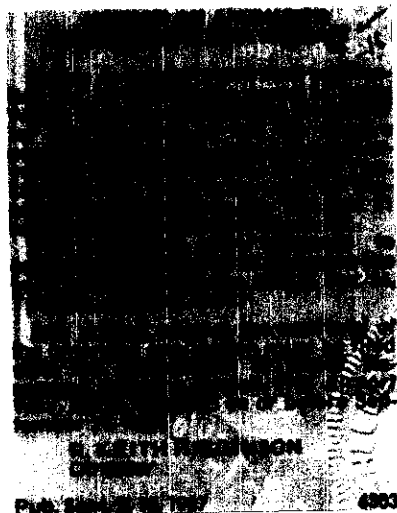
Subscribed and sworn to before me this 10th

day of September, 19 87

SEP 19 1987

Connie Helleson 8/92

Notary Public for Idaho, Residing at Boise, Idaho



The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

28.47

Account Name Idaho Department of Water Resources (Western)		Account Number 47628	
Address 2735 Airport Way		City/State Boise, ID	Zip 83705
Ordered By Judy Pense	P.O. Number	Rate NT	Run Dates 1987 April 16, 23
Identification App: Boise Water Corporation		Estimated Inches	Real Inches
1 Number of Affidavits Requested		Legal Number 5041	

RECEIVED
APR 24 1987

STATE OF IDAHO)

Department of Water Resources

) ss.

Western Regional Office

COUNTY OF ADA)

Deborah Gregory, 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 (2)

☒ consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip

insertion(s) beginning with the issue of April 16, 19 87

and ending with the issue of April 23, 19 87

Deborah Gregory

Subscribed and sworn to before me this 23rd

day of April, 19 87

FEB 29 1988

Connie Blackburn 8/92
Notary Public for Idaho, Residing at Boise, Idaho

NOTICE OF APPLICATION
FOR WATER RIGHT
The following application has been filed for record in the public office of the County Clerk of Ada County, Idaho, to wit:
APPROVED: 1/30
COUNTY CLERK
IDAHO DEPARTMENT OF WATER RESOURCES
BOISE, IDAHO 83707
The permittee will be subject to all
rules and regulations of the Idaho Department of Water Resources.
Pub. Apr. 14, 26, 1987

March 21, 1991

BOISE WATER CORP.
P. O. BOX 7488
BOISE, ID 837070000

RE: WATER RIGHT NO. 63-10405

Dear Water Right Holder(s):

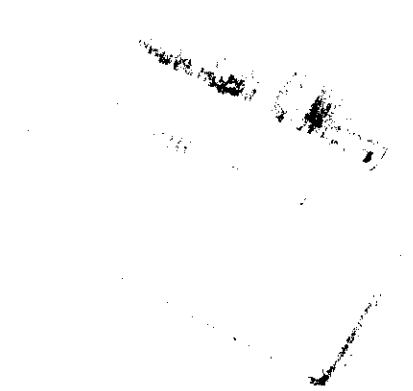
Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:blm

Enclosure



March 6, 1991

BOISE WATER CORP.
P. O. BOX 7488
BOISE, ID 837070000

RE: WATER RIGHT NO. 63-10405

Dear Water Right Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

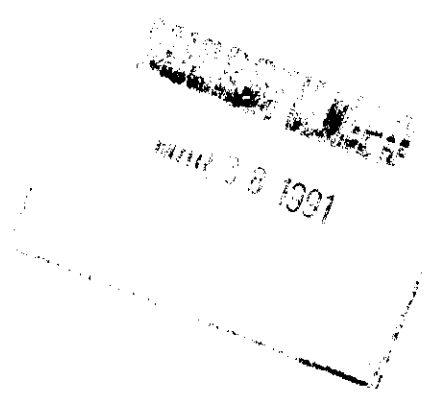
We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

SHARLA CURTIS
Technical Records Specialist

SC:blm

Enclosure



LICENSE REVIEW CHECKLIST

Permit No. 63-10405

Name/Address change? ok ☒

Priority date Advance? yes no ☒

Memo to advance
Order to reinstate needed? yes no ☒

Total cfs Limited by fee ok

Limited by capacity

Total volume Limited by flow

Chart checked for AF rate/ac N/A

Capacity Actual measurement checked EXAMINER REVIEWED MONTHLY RECORDS
Theoretical checked ☒

If greater than permit, check for other rts

Source Changed? yes no ☒
If so, is memo needed to clarify?

P/D Verify with map ☒ permit ☒
More than one per 44? Remember remark
Check p/d overlap N/A

Uses Check irrigation period of use w/ chart N/A

P/U Verify with map ☒ permit ☒
> 5 acres irrigated, run overlap N/A

Remarks More than one p/d in 44
Description of non-irrig uses ☒
Special overlap condition

Conditions -
Measuring device
W.Master control
Overlap
Water quality
Other

Dates/Misc. -
Water Dist
App Rec'd
Proof Rec'd

CHECK FOR ADJ. CLAIM Needed according to proof filed
Filed - needs amended
Add'l fee required
Not filed -
Not needed ☒ proof made 1989

Comments/Changes to Examiner's Recommendations:

License 10-day ☒ 30-day

Back of field report signed? ☒
Reviewer S. Curtis Date 2/24/91 Review time 7 min.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

63-10405

Permit No.

Staff Analysis Sheet
for
Beneficial Use Field Report

A. Prior to Conducting the Exam, the File Contains:

☒ Blank Field Report Form

☒ Copy of Permit

☒ Copies of any Amendments/Orders with conditions of approval

YES Well Inspection Form Needed

☒ Copy of U.S.G.S. Quad

NO Check for Government Lots. If so, make a copy of Government Plat

Check of P/D index CWJ 5/24/90 (Initial and date)

Overlap? ☐ yes ☒ no If yes: ☐ copy of exam(s) attached?

Type of Overlap? ☐ Add acres or uses to existing system

☐ Increase rate of flow or volume

☐ Other: _____

Check of P/U index CWJ 5/24/90 (Initial and date)

Overlap? ☐ yes ☒ no If yes: ☐ copy of water right(s) attached?

Type of Overlap? ☐ Increase rate of flow or volume

☐ Add P/D's

☐ Increase number of acres within tracts

☐ Other: _____

Aerial Photo

Required? ☐ yes ☒ no If yes: ☐ copy attached?

Scheduling Letter sent? _____ (Initial and 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 Edifton H. Johnson 6/6/90 (Signature of examiner and date)

Exam Reviewed by Senior Water Resource Agent JFW 1/21/91 (Initial and date)

Exam Reviewed by Manager of Regional Office DW 2/5/91 (Initial and date)

Exam Date Entered in Computer ✓ (Initial and date)

Exam sent to State Office 2-15-91 (Initial and date)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
FEB 19 1991

Department of Water Resources
Permit No. 63-10405

A. GENERAL INFORMATION

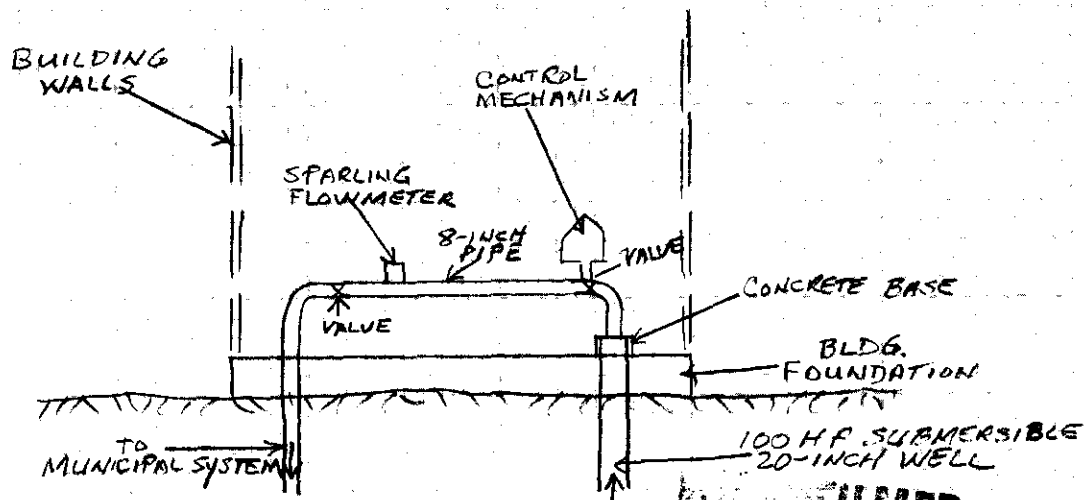
1. Owner: BOISE WATER CORPORATION Phone No. 362-1300
Current Address: P.O. BOX 7488, BOISE, IDAHO 83707
2. Accompanied by: JAMES MOONEY EXAM. DATE: JUNE 5, 1990
Address: 8248 W. VICTORY, BOISE, IDAHO Phone No. 362-1300
Relationship to Permit Holder: DISTRIBUTION MANAGER
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE ☐ Copies Attached
2. Other water rights with same point of diversion: N/A ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = 10'

2. ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required). ☐ Aerial Photo Attached (required for irrigation of 10 acres or more). **MAR 28 1991**
- ☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).

System Description (continued)

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

A 20-INCH WELL EQUIPPED WITH A 100 HP SUBMERSIBLE PUMP, 8-INCH DISCHARGE PIPE AND SPARKING FLOWMETER SUPPLIES WATER TO THE BURIED MUNICIPAL WATER SYSTEM.

☒ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
WELL	BYRON-JACKSON	100	8815-1371	SUBMERSIBLE UNKNOWN	8-INCH DISCHARGE

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

5. Point(s) of Diversion: PHOTO #1, #2, #3

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
WELL			SW	SE	24	3N	2E	ADA	ORTHO PHOTO MAP

6. Place(s) of Use: NOT APPLICABLE-MUNICIPAL Indicate Method of Determination NA

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
OWNER FLOWMETER	PROPELLER	SPARLING	100 GAL/REV ~~03104~~	03101	8-INCH	—
STOPWATCH						

2. Measurements:

SPARLING METER READING FOR 1 MINUTE = 485 GAL/MIN AT 90 PSI
FLOW RECORDS (PUMP THROTTLED)

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method: 485 GAL/MIN = 1.08 cfs

FLOW RECORDS = 1.56 cfs

2. Alternate Method for Checking Purposes:

HORSEPOWER EQUATION: $\frac{100 \text{ HP} \times 8.8 \times .7}{162 + (2.31 \times 90)} = 1.67 \text{ cfs}$

F. PUMP EFFICIENCY DATA (Optional)

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

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

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

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

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

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

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

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

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

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

2. Volume Calculations for Other Uses:

MUNICIPAL USE:

$1.56 \times 365 \times 1.9835 = 1129.4 \text{ AFM}$

RECORDED

MAR 28 1991

H. REMARKS AND OVERLAP REVIEW ANALYSIS

FLOW RECORD ANALYSIS: MONTHLY WELL PRODUCTION RECORDS
SHOWED JANUARY 1989 A PERIOD OF CONSISTENT USE FOR
WELL 63-10405. MAXIMUM FLOW RECORDS FOR JANUARY 1990
MAXIMUM DAILY FLOWS BETWEEN 647 AND 867 GAL/MIN FOR 12 DAYS.
BY ELIMINATION POSSIBLY INACCURATE DATA A REASONABLE MAXIMUM
PUMPING RATE IS 700 GAL/MIN.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<u>MUNICIPAL</u>	<u>1/1</u>	<u>12/31</u>	<u>1.56</u>	<u>1129.4</u>
Totals:			<u>1.56 CFS</u>	<u>1129.4 AFA</u>

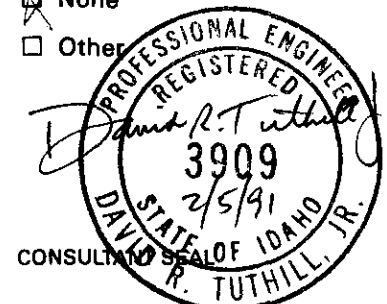
2. Recommended Amendments NONE

- ☐ Change P.D. as reflected above ☐ Add P.D. as reflected above
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above

- ☒ None
☐ Other

J. AUTHENTICATION

SEW
1/21/91
Field Examiner's Name CLIFTON W. JOHNSON
Signature Clifton W. Johnson
Certification Date _____
Field Report Preparation Date June 11, 1990



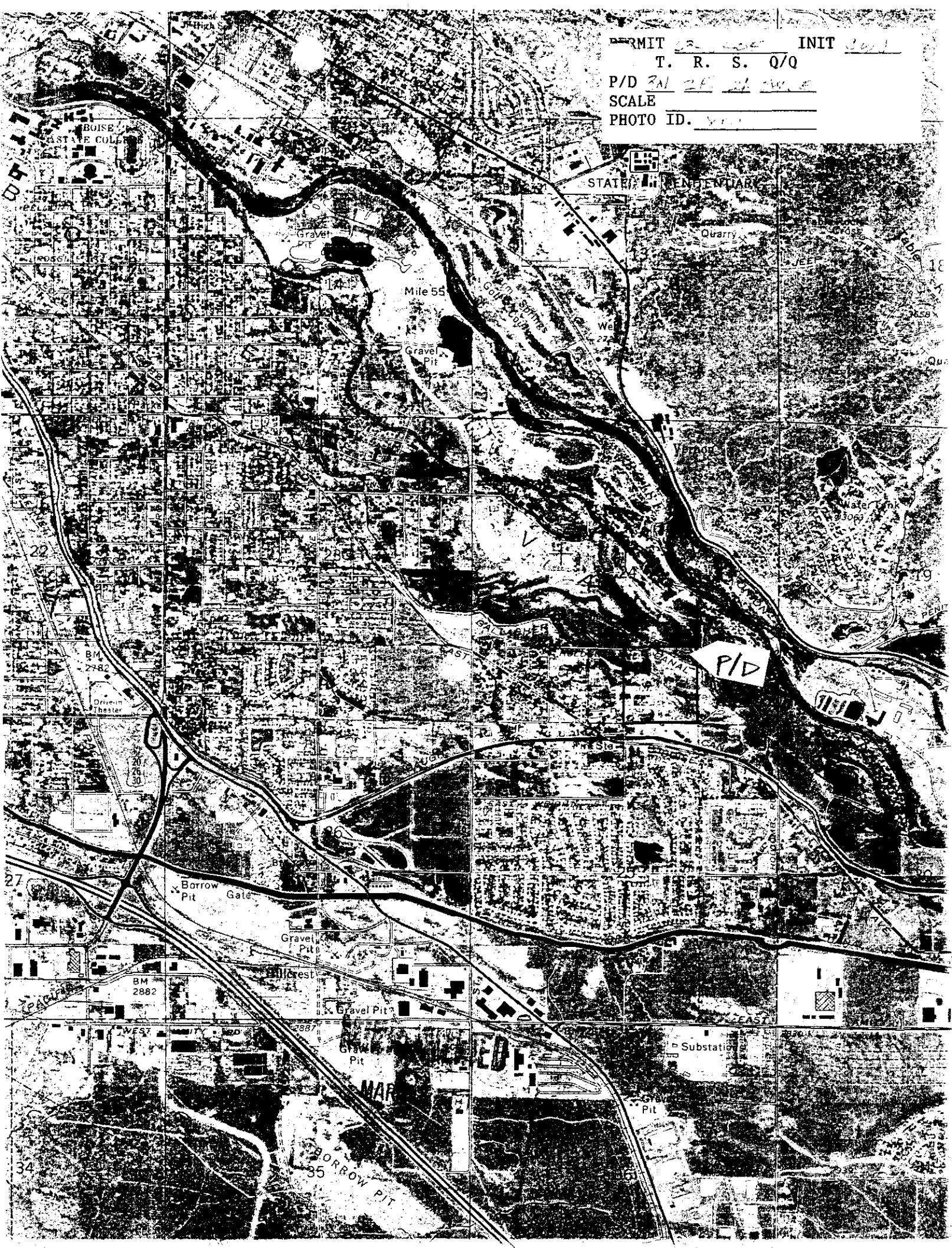
K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

SC
2/24/91

RECEIVED

MAR 28 1991

PERMIT 22-1000 INIT 2001
T. R. S. Q/Q
P/D 2A1 25 21 20 5
SCALE _____
PHOTO ID. Y10



Department of Water Resources

RIVER RUN WELL WELL INSPECTION FORM

If well is associated with water right, provide WR# 63-10405

Otherwise provide legal description and a sketch map and/or address so that the well can be located easily.

1. Legal Description: TWP 3N, Rge 2E, Sec. 24, SW 1/4 SE 1/4 or Lot .
2. Owner: BOISE WATER CORP.
Address P.O. Box 7488, City Boise, St ID 83707
3. Casing $\geq$ 12 inches above ground: Yes ☒ No ☐
4. Access Port: Yes ☒ No ☐ ~~Static~~ ^{DYNAMIC} Water Level: 162
Pressure Gauge: Yes ☒ No ☐ Casing Diameter: 1
Flowing: Yes ☒ No ☐ Temperature: 8" DISCHARGE 90 PSI
5. Are there any obvious construction problems that may be a source for contamination or waste of water: Yes ☐ No ☒

If answer to Item 5 is Yes, describe in remarks and attach photo.

Remarks: _____

MICROFILMED

MAR 28 1991

WR# 63-10405

PHOTO #1

20-INCH WELL EQUIPPED WITH 100 HP SUBMERSIBLE
PUMP AND VARIABLE CONTROLLER.

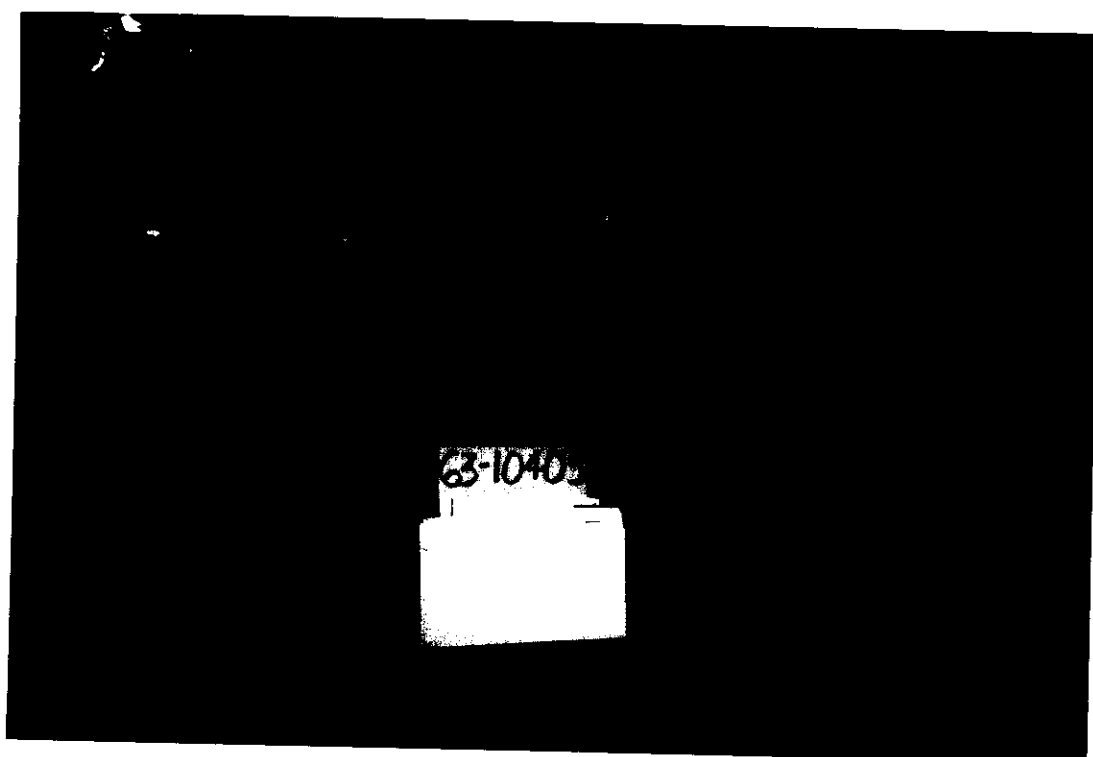
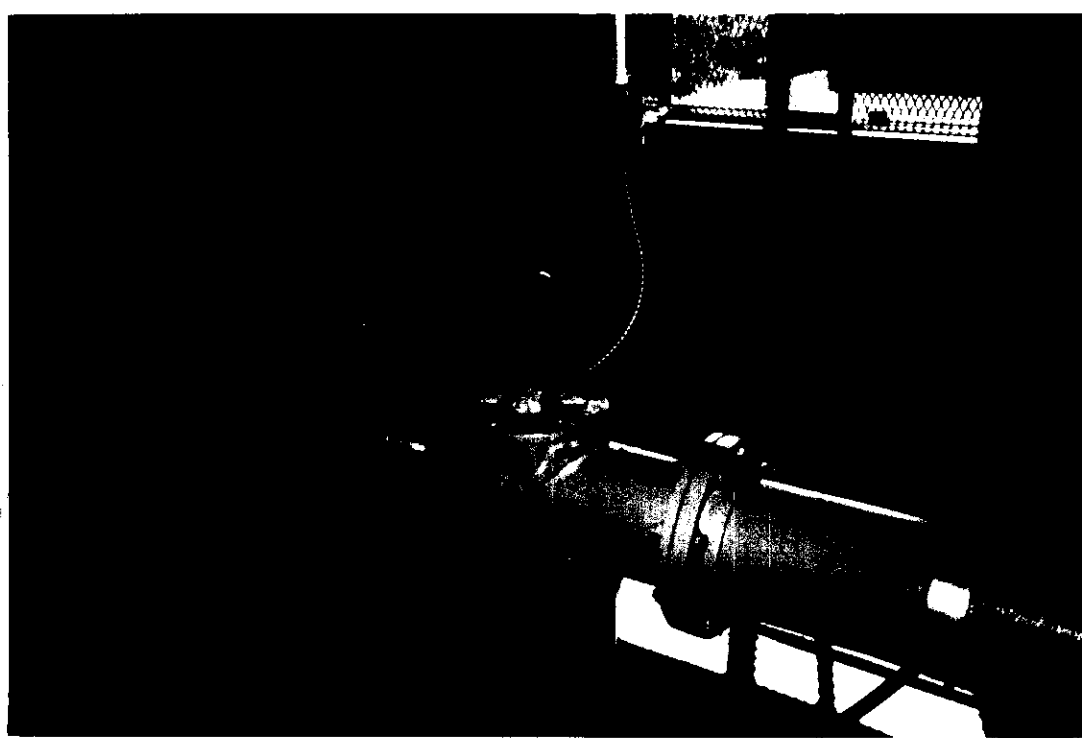


PHOTO #2

8-INCH SUPPLY LINE AND SPARKING FLOWMETER,
OUTLET TO BURIED MUNICIPAL SUPPLY SYSTEM.



WR# 63-10405

PHOTO #3

VIEW LOOKING NORTHEAST INSIDE PUMPHOUSE ENCLOSURE.



ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

DATE 10/10/01 BY 1011

December 1, 1989

BOISE WATER CORP.
P. O. BOX 7488
BOISE, ID 837070000

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-10405

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 WESTERN Regional Office in Boise at (208)334-2190.

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

RECORDED

DEC 19 1989

1/88

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. 63-10405

Date: 11/6/89

General Considerations:

- ☒ Name same as permit
☒ Signature the same as permit holder
☒ Address change _____ If yes, prepare a data entry
☒ Proof received timely _____
_____ Reinstated

Source of Water:

- ☒ Surface water
☒ Groundwater
 ☒ 1. well log in file
 ☒ 2. drilling permit
 ☒ A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

- ☒ Rate of diversion appropriate for uses
 ☒ Is rate or volume and fee appropriate?
☒ Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

- yes Is a measuring device or access port required?
yes Has one been installed?
_____ Waiver or modification of measuring device requested

Remarks:

Proof acceptable

Priority Calculation:

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

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

Form 217
03/86

RECEIVED

SEP 21 1989

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Department of Water Resources

PROOF OF BENEFICIAL USE

For Office Use Only

Fee Received _____

Date _____

Receipt # 6411752

Receipt by _____

Reviewed by SPS-11/6/89

Sent to region _____

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has 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.

Permit No. 63-10405

Name(s) of Permit Holder: Boise Water Corporation

Post Office Address: P. O. Box 7488

Boise, Idaho 83707 Telephone No. (208) 362-1300

Source of Water: Groundwater

Extent of Use:

Domestic _____ (number of households) Stockwater _____ (number and type of stock)

Irrigation _____ (acres) Other/Remark Municipal

Total rate and/or volume for which proof is submitted 2.7 cfs _____ acre-feet

Show the date water was first diverted and beneficially used under this permit: 06/23/88

Measuring Device: Required? ☒ Yes ☐ No Fee enclosed \$ 150.00
Installed? ☒ Yes ☐ No (See License Examination Fee Schedule)

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

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

James Mooney (208) 362-1300
(Name) (Telephone Number)

P. O. Box 7488 Boise, Idaho 83707
(Address)

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.

DEC 19 1989

09/20/89
Date

Benjamin M. Hepler VICE PRES.
Signature of Permit Holder (and title, if appropriate)

138563
August 31, 1989

BOISE WATER CORP.
P. O. BOX 7488
BOISE, ID 837070000

PROOF DUE NOTICE

RE: PERMIT NO. 63-10405

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 November 1, 1989. (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,

Rita Fleck
Secretary/Records Manager

Enclosures

MICROFILMED

DEC 19 1989

Form 23E
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR
BALLPOINT PEN

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

MAY 17 1980

1. WELL OWNER

Name Boise Water Corp.

Address 8248 W Victory 83709

Owner's Permit No. 63-10405 63-87-W-055

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)

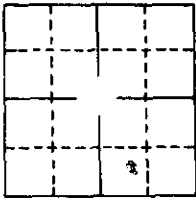
4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness Diameter From To
375 inches 20 inches + 6" feet 70 feet
375 inches 18 inches 18" feet 192 feet
375 inches 16 inches 188 feet 192 feet
250 inches 10 inches 193 feet 198 feet
Was casing drive shoe used? ☒ Yes ☐ No 20" & 18"
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 Johnson
Type stainless steel Model No. 304
Diameter 10 Slot size 35 Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☒ Yes ☐ No ☒ Size of gravel 8-12 frac.
Placed from 184 feet to 480 sand
Surface seal depth 70 Material used in seal: ☐ Cement grout
☒ Bentonite ☒ Pudding 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 weld on 2" pipe & cap

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name RIVER RUN WELLS
DEC 19 1989
Lot No. _____ Block No. _____
County Ada
S?W 24 S?E 3 T. N/3 R. 2 (E/W)

7. WATER LEVEL

Static water level 34 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 62.9F. Quality sand free good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>760</u>	<u>70 1/2</u>	<u>45 min</u>
<u>1100</u>	<u>85</u>	<u>1 hr</u>
<u>1900</u>	<u>162</u>	<u>8 hr</u>

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
20	0	50	sand, gravel & boulders	X	
	50	59	cemented gravel	X	
	59	70	sand & gravel	X	
	70	80	blue clay		X
	80	130	good sand	X	
	130	138	sandy blue clay	X	
	138	159	slightly cemented sand	X	
	159	180	cemented sand & streaks of blue clay		X
	180	191	hard cemented sand		X
	191	228	coarse sand, some cemented	X	
	228	235	tan, black, blue clay	X	
	235	263	tan clay, cemented sand	X	
	263	297	blue clay	X	
	297	322	sandy gray clay	X	
	322	325	sticky gray clay	X	
	325	330	sandy gray clay	X	
330	335	sticky gray clay	X		
335	345	coarse sand, tan clay	X		
345	378	fine sand, layers tan clay	X		
378	380	sticky blue clay		X	
380	410	hard cemented sand	X		
410	464	sticky gray clay		X	
464	475	clay & coarse sand	X		
475	480	blue clay & sand-hard	X		
480	485	blue clay		X	
			packer set on top of 16" headpipe at 188'		
			10" screen settings with 10" blank casing-3' tailpipe		
			198'-228' 6"		
			235'-240' 3"		
			335'-365' 6"		
			380'-410' 6"		
			465'-480' 3"		

10.

Work started 12/1/87 finished 3/21/88

11. DRILLERS 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 & Son Firm No. 153
Address 3709 Hawthorne DR Date 5/15/88
Signed by (Firm Official) Wayne E Stevens
and Donald L Stevens
(Operator)

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

RECEIVED
NOV 09 1987

State of Idaho
Department of Water Resources

RECEIVED
OCT 30 1987

Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

Department of Water Resources
Western Regional Office

1. Applicant Boise Water Corp.

2. Address P.O. Box 7488, Boise, ID 83707

☒ Well Owner ☐ Well Operator ☐ Other, specify _____

3. Water right permit no. 63-10405; Injection well permit no. _____

4. Proposed well location 1/4 SW 1/4 SE 1/4, or Gov't lot No. _____,
Sec. 24, Twp. 3N, Rge. 2E, County Ada,
Lot, block and subdivision _____

5. Proposed use of well: (Check all that apply)
☐ Domestic ☐ Stockwater ☐ Monitoring
☐ Irrigation ☐ Industrial ☒ Municipal
☐ Injection ☐ Other, Specify _____

6. Well construction information:
☒ New well ☐ Deepen ☐ Replace
Proposed surface diameter 18" Proposed depth 500'

Anticipated bottom hole temperature:

☒ 85°F or less (Cold water well)
☐ 85°F to 212°F (Low temp. geothermal well)
☐ 212°F or more (Geothermal well)

7. Anticipated construction start date 10/31/87

8. Well Driller (if known) W. E. Stevens & Sons Well Drilling # 153

Address 3709 Hawthorne Drive, Boise, ID 83703

Date 10/30/87 Applicant's signature Daniel B. Brown

Title Company Engineer

RECEIVED

DEC 19 1989

* After other pre-requisite approvals have been obtained.

ACTION OF IDWR

(X) Approved

() Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

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. The permit holder or his representative shall notify the Department ten (10) days prior to the start of construction unless good cause for later notification can be shown.
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.

SPECIFIC CONDITIONS:

THIS WELL DRILLING PERMIT IS SUBJECT TO THE CONDITIONS OF APPROVAL AS SHOWN ON PERMIT NO. 63-10405.

Dated this 30th day of October, 1987.

Signed

Dwain R. Tuller

Title

Mgr, Western Reg. Div., IDWR

Received by [Signature]

Fee

100.00

Date

10/30/87

Receipt No.

43986

Construction start date

10/31/87

Construction start extension to

DEC 19 1989

Extension approved by

Boise Water Corporation
P.O. Box 7488
Boise, ID 83707

PLACE
STAMP
HERE

MICROFILMED

DEC 19 1989



NOV 05 1987

Department of Water Resources

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No. 63-10405
Name(s) of Permit Holder(s): BOISE WATER CORPORATION
Post Office Address: BOX 7488
BOISE, IDAHO 83707 362-1300

☒ I hereby certify that construction of diverting works on the above referenced permit began on NOV. 2, 1987 (date). I understand that I must 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.

11/4/87
Date

Benjamin M. Hurler, VICE PRES.
Signature of Permit Holder



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

CECIL D. ANDRUS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

October 30, 1987

RE: Permit No. 63-10405

Boise Water Corp.
Box 7488
Boise, ID 83707

Dear Permit Holders:

Enclosed is a copy of your approved Application for Permit. We direct your attention to the conditions of approval on the final page. Also enclosed is a copy of the approved drilling permit filed in connection with this water right.

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.

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,

[Signature]
for GARY SPACKMAN, Supervisor
Water Allocation Section

GS:sc
Enclosure

MICROFILMED

FEB 29 1988

State of Idaho
Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

1. Applicant Boise Water Corp.

2. Address P.O. Box 7488, Boise, ID 83707

☒ Well Owner ☐ Well Operator ☐ Other, specify _____

3. Water right permit no. 63-10405 ; Injection well permit no. _____

4. Proposed well location 1/4 SW 1/4 SE 1/4, or Gov't lot No. _____,
Sec. 24, Twp. 3N, Rge. 2E, County Ada,
Lot, block and subdivision _____

5. Proposed use of well: (Check all that apply)

☐ Domestic ☐ Stockwater ☐ Monitoring

☐ Irrigation ☐ Industrial ☒ Municipal

☐ Injection ☐ Other, Specify _____

6. Well construction information:

☒ New well ☐ Deepen ☐ Replace

Proposed surface diameter 18" Proposed depth 500'

Anticipated bottom hole temperature:

☒ 85°F or less (Cold water well)
☐ 85°F to 212°F (Low temp. geothermal well)
☐ 212°F or more (Geothermal well)

7. Anticipated construction start date 10/31/87

8. Well Driller (if known) W. E. Stevens & Sons Well Drilling

Address 3709 Hawthorne Drive, Boise, ID 83703

Date 10/30/87 Applicant's signature Daniel B. [Signature]

Title Company Engineer FEB 29 1988

* After other pre-requisite approvals have been obtained.

ACTION OF IDWR

(X) Approved () Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

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. The permit holder or his representative shall notify the Department ten (10) days prior to the start of construction unless good cause for later notification can be shown.
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.

SPECIFIC CONDITIONS:

THIS WELL DRILLING PERMIT IS SUBJECT TO THE CONDITIONS OF APPROVAL AS SHOWN ON PERMIT NO. 63-10405.

MICROFILMED

FEB 29 1988

Dated this 30th day of October, 1987.

Signed

Dwain R. Tully

Title

Mgr, Western Reg. Off, IDWR

Received by [Signature]

Fee

100.00

Date

10/30/87

Receipt No.

43986

Construction start date

10/31/87

Construction start extension to

Extension approved by



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

CECIL D. ANDRUS

Governor

R. KEITH HIGGINSON

Director

Mailing address:

Statehouse

Boise, Idaho 83720

(208) 334-4440

November 23, 1987

RE: Permit No. 63-10405

Boise Water Corp.
Box 7488
Boise, ID 83707

Gentlemen:

Enclosed is an Order which changes one of the conditions of approval of the above referenced permit.

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

Sincerely,

GARY SPACKMAN
Supervisor, Water Allocation Section

GS:sc

Enclosure

MICROFILMED

FEB 29 1988



BOISE WATER CORPORATION • P.O. BOX 7488 • BOISE, IDAHO 83707 • (208) 362-1300

RECEIVED
NOV 13 1987

November 9, 1987

Department of Water Resources

RECEIVED
NOV 1 1987

Mr. David R. Tuthill, Jr., P.E.
Manager, Western Regional Office
State of Idaho
Department of Water Resources
2735 Airport Way
Boise, ID 83705

Department of Water Resources
Western Regional Office

RE: Water Right Application for Permit No. 63-10405

Dear Mr. Tuthill:

This is to request a variance in the condition listed in the approval for Permit No. 63-10405 which requires solid casing be installed to a depth of 300 feet. We request approval to reduce this depth to approximately 170 feet.

In our conversations on this matter, you indicated the 300 foot depth limitation was primarily intended as a precaution against mixing the cold water system with the deeper geothermal water. Boise Water Corporation has no desire to penetrate the hot water zone fundamentally due to water quality concerns. The health department's maximum temperature allowed for a drinking water system is 80° F and the maximum contaminant level for fluoride is 4.0 parts per million. Both of these levels are normally exceeded in the geothermal water. Based upon data gathered from a test well drilled at the site, we feel the geothermal water can be avoided by not drilling deeper than a blue clay layer at approximately 460-465 feet.

A temperature log of the well was run, a copy of which is attached, which indicates the temperature above 440 feet is 53.5° F. The temperature then increases gradually from 440 to 482 feet where it stabilizes at 75.5 degrees. The temperature at no point in the well reaches the 85 degree limitation for the geothermal system. We also ran a test which revealed the fluoride level from the test well is 0.6 parts per million. This is evidence that we will not be drawing from the geothermal system as the fluoride levels of the hot water are typically much higher than this, often in the range of 20 parts per million.

MICROFILMED

FEB 29 1988

Mr. David R. Tuthill, Jr., P.E.
Permit No. 63-10405
Page 2
November 9, 1987

We have also attached copies of the well driller's report and a natural gamma log of the test well. Indicated on the gamma log are our proposed casing schedules showing casing and screen locations. It should be noted that the gamma log reflects some attenuation due to the steel casing down to 62 feet and cannot be compared directly with the deeper data.

We trust this data provides you with sufficient information to permit approval of the proposed variance in Condition h to allow the solid casing depth to be reduced to 170 feet. If you have any questions or need additional information, please don't hesitate to call.

Very truly yours,

BOISE WATER CORPORATION



Daniel Brown, P.E.

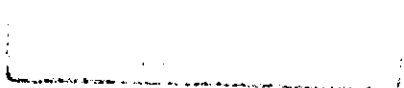
DB:jw

Attachment

cc: Wayne E. Stevens, Stevens & Sons
Jack Kelly, Anderson & Kelly

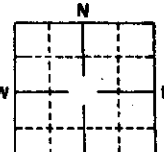
MICROFILMED

FEB 29 1988



WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Boise Water Corp</u> Address <u>8248 W Victory</u> Owner's Permit No. _____		7. WATER LEVEL Static water level _____ Flowing _____ Artisan classed in _____ Controlled by _____ Temperature _____ Describe situation in temperature record below _____																																																																																																																																																		
2. NATURE OF WORK <u>test hole</u> ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Other _____ Discharge G.P.M. <u>400+</u> ☐ Pumping Duration _____ Hours Pumped _____																																																																																																																																																		
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☒ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		9. LITHOLOGIC LOG																																																																																																																																																		
4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____		<table border="1"><thead><tr><th>Bore Diam.</th><th>Depth From</th><th>To</th><th>Material</th><th>Water Yes No</th></tr></thead><tbody><tr><td>8</td><td>0</td><td>58</td><td>sand, gravel, boulders</td><td>X</td></tr><tr><td></td><td>58</td><td>68</td><td>brown clay</td><td>X</td></tr><tr><td></td><td>68</td><td>70</td><td>sand & gravel</td><td>X</td></tr><tr><td></td><td>70</td><td>80</td><td>blue clay</td><td>X</td></tr><tr><td></td><td>80</td><td>130</td><td>slightly muddy sand</td><td>X</td></tr><tr><td></td><td>130</td><td>138</td><td>sandy blue clay</td><td>X</td></tr><tr><td></td><td>138</td><td>180</td><td>cemented sand, streaks blue clay</td><td>X</td></tr><tr><td></td><td>180</td><td>205</td><td>sand, gravel, streaks clay</td><td>X</td></tr><tr><td></td><td>205</td><td>207</td><td>brown gravel</td><td>X</td></tr><tr><td></td><td>207</td><td>210</td><td>sand & gravel</td><td>X</td></tr><tr><td></td><td>210</td><td>225</td><td>blue clay, streaks sand</td><td>X</td></tr><tr><td></td><td>225</td><td>252</td><td>brown clay, streaks cemented sand</td><td>X</td></tr><tr><td></td><td>252</td><td>277</td><td>blue clay</td><td>X</td></tr><tr><td></td><td>277</td><td>290</td><td>blue sand & gravel, some streaks blue clay</td><td>X</td></tr><tr><td></td><td>290</td><td>300</td><td>blue clay</td><td>X</td></tr><tr><td></td><td>300</td><td>310</td><td>blue clay, streaks sand</td><td>X</td></tr><tr><td></td><td>310</td><td>318</td><td>tan clay</td><td>X</td></tr><tr><td></td><td>318</td><td>332</td><td>fine to medium sand, tan clay, some gravel</td><td>X</td></tr><tr><td></td><td>332</td><td>348</td><td>tan clay, streaks sand</td><td>X</td></tr><tr><td></td><td>348</td><td>365</td><td>tan clay, streaks blue clay</td><td>X</td></tr><tr><td></td><td>365</td><td>392</td><td>fine to coarse sand</td><td>X</td></tr><tr><td></td><td>392</td><td>400</td><td>cemented black sand, streaks clay</td><td>X</td></tr><tr><td></td><td>400</td><td>406</td><td>blue clay</td><td>X</td></tr><tr><td></td><td>406</td><td>438</td><td>blue clay</td><td>X</td></tr><tr><td></td><td>438</td><td>460</td><td>blue-green medium sand, some gravel, streaks blue clay</td><td>X</td></tr><tr><td></td><td>460</td><td>475</td><td>blue clay</td><td>X</td></tr><tr><td></td><td>475</td><td>488</td><td>dark blue-brown clay, streaks sand & gravel</td><td>X</td></tr><tr><td></td><td>488</td><td>500</td><td>dark blue brown clay</td><td>X</td></tr></tbody></table>		Bore Diam.	Depth From	To	Material	Water Yes No	8	0	58	sand, gravel, boulders	X		58	68	brown clay	X		68	70	sand & gravel	X		70	80	blue clay	X		80	130	slightly muddy sand	X		130	138	sandy blue clay	X		138	180	cemented sand, streaks blue clay	X		180	205	sand, gravel, streaks clay	X		205	207	brown gravel	X		207	210	sand & gravel	X		210	225	blue clay, streaks sand	X		225	252	brown clay, streaks cemented sand	X		252	277	blue clay	X		277	290	blue sand & gravel, some streaks blue clay	X		290	300	blue clay	X		300	310	blue clay, streaks sand	X		310	318	tan clay	X		318	332	fine to medium sand, tan clay, some gravel	X		332	348	tan clay, streaks sand	X		348	365	tan clay, streaks blue clay	X		365	392	fine to coarse sand	X		392	400	cemented black sand, streaks clay	X		400	406	blue clay	X		406	438	blue clay	X		438	460	blue-green medium sand, some gravel, streaks blue clay	X		460	475	blue clay	X		475	488	dark blue-brown clay, streaks sand & gravel	X		488	500	dark blue brown clay	X
Bore Diam.	Depth From	To	Material	Water Yes No																																																																																																																																																
8	0	58	sand, gravel, boulders	X																																																																																																																																																
	58	68	brown clay	X																																																																																																																																																
	68	70	sand & gravel	X																																																																																																																																																
	70	80	blue clay	X																																																																																																																																																
	80	130	slightly muddy sand	X																																																																																																																																																
	130	138	sandy blue clay	X																																																																																																																																																
	138	180	cemented sand, streaks blue clay	X																																																																																																																																																
	180	205	sand, gravel, streaks clay	X																																																																																																																																																
	205	207	brown gravel	X																																																																																																																																																
	207	210	sand & gravel	X																																																																																																																																																
	210	225	blue clay, streaks sand	X																																																																																																																																																
	225	252	brown clay, streaks cemented sand	X																																																																																																																																																
	252	277	blue clay	X																																																																																																																																																
	277	290	blue sand & gravel, some streaks blue clay	X																																																																																																																																																
	290	300	blue clay	X																																																																																																																																																
	300	310	blue clay, streaks sand	X																																																																																																																																																
	310	318	tan clay	X																																																																																																																																																
	318	332	fine to medium sand, tan clay, some gravel	X																																																																																																																																																
	332	348	tan clay, streaks sand	X																																																																																																																																																
	348	365	tan clay, streaks blue clay	X																																																																																																																																																
	365	392	fine to coarse sand	X																																																																																																																																																
	392	400	cemented black sand, streaks clay	X																																																																																																																																																
	400	406	blue clay	X																																																																																																																																																
	406	438	blue clay	X																																																																																																																																																
	438	460	blue-green medium sand, some gravel, streaks blue clay	X																																																																																																																																																
	460	475	blue clay	X																																																																																																																																																
	475	488	dark blue-brown clay, streaks sand & gravel	X																																																																																																																																																
	488	500	dark blue brown clay	X																																																																																																																																																
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☒ Other <u>PVC</u> Thickness _____ Diameter _____ From _____ To _____ <u>312</u> inches <u>8</u> inches + <u>2</u> feet <u>62</u> feet <u>188</u> inches <u>5</u> inches <u>16</u> feet <u>500</u> feet Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation <u>.040</u> inches by <u>3 1/2</u> inches Number _____ From _____ To _____ <u>2000</u> perforations <u>110</u> feet <u>16</u> feet <u>460</u> feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>25</u> 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 ☐ Cemented between strata Describe access port _____		10. Work started <u>6/4/87</u> finished <u>6/19/87</u>																																																																																																																																																		
6. LOCATION OF WELL <u>River Run Test</u> Sketch map location <u>must</u> agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Ada</u> N/W 1/4 S/E 1/4 Sec. 24, T. 3 N, R. 2 E.		11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>W.E. Stevens & Son</u> No. <u>153</u> Address <u>3709 Hawthorne Dr</u> Date <u>7/20/87</u> Signed by (Firm Official) <u>Wayne E Stevens</u> and (Operator) <u>Donald L Stevens</u>																																																																																																																																																		

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

GRND
LEVEL

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.

CHART NO. WH

TEXAS, U.S.A.

PIER JINTE
20 ft/min log speed
Time constant = 8
Count rate = 50
10-27-87
1619 hrs

BSU G&G
E Squires & S. Wood

NATURAL
GAMMA
RAY LOG
Counts per second
(Uncalibrated)

16

17

20" SURFACE CASING

18" CASING

10'

30'

70'

100 ft

120'

150'

clay
sand
clay
sand w/ fms.
clay
sand
clay
sand
clay
sand w/ fms.
clay

MICROFILMED

FEB 29 1988

SCREENS

10" CASING

SCREENS

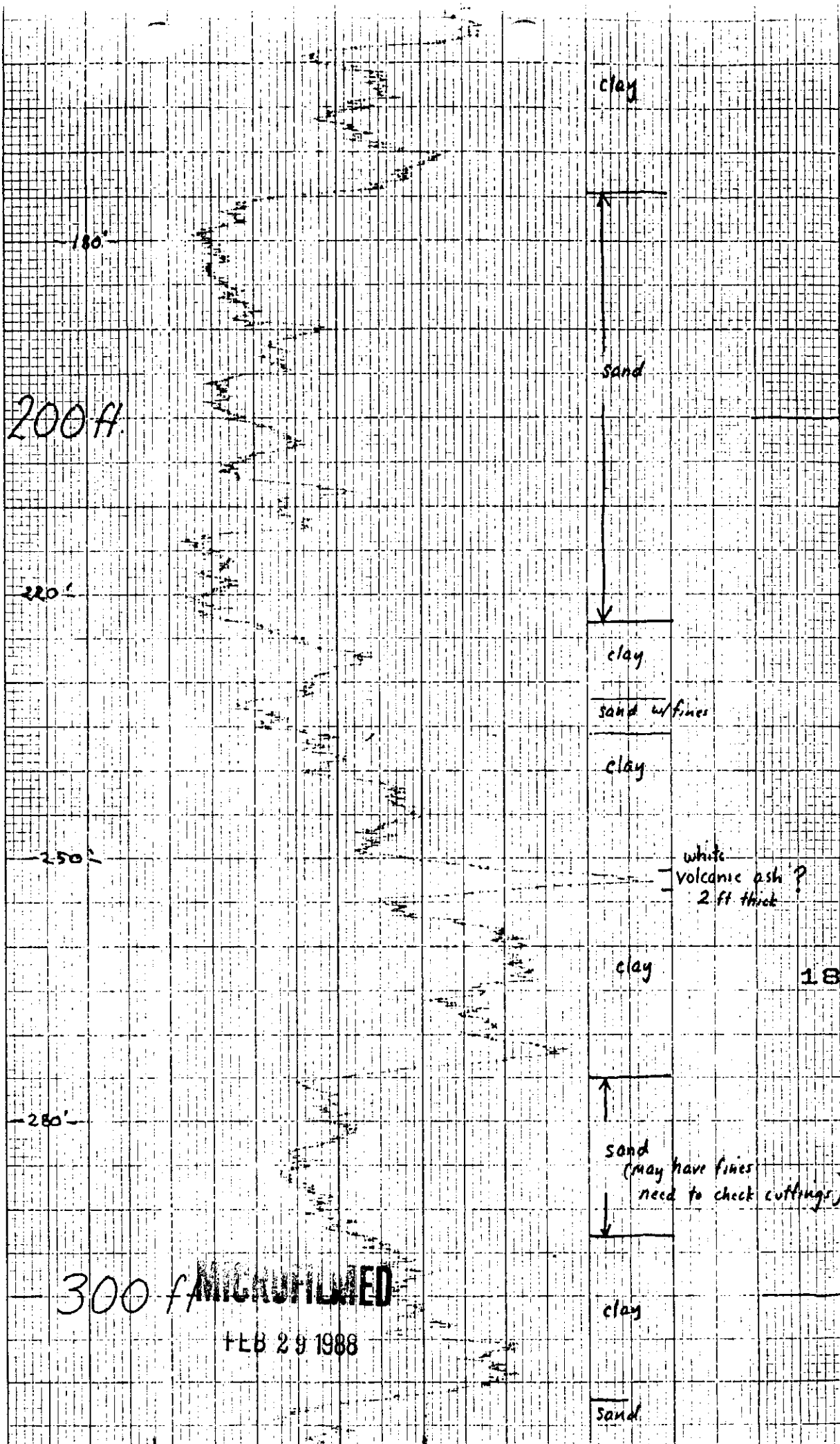
10" 18" CASING

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS

MADE IN U.S.A.

CHART NO. WM

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.



SCREENS

SCREENS

10" CASING

SCREENS

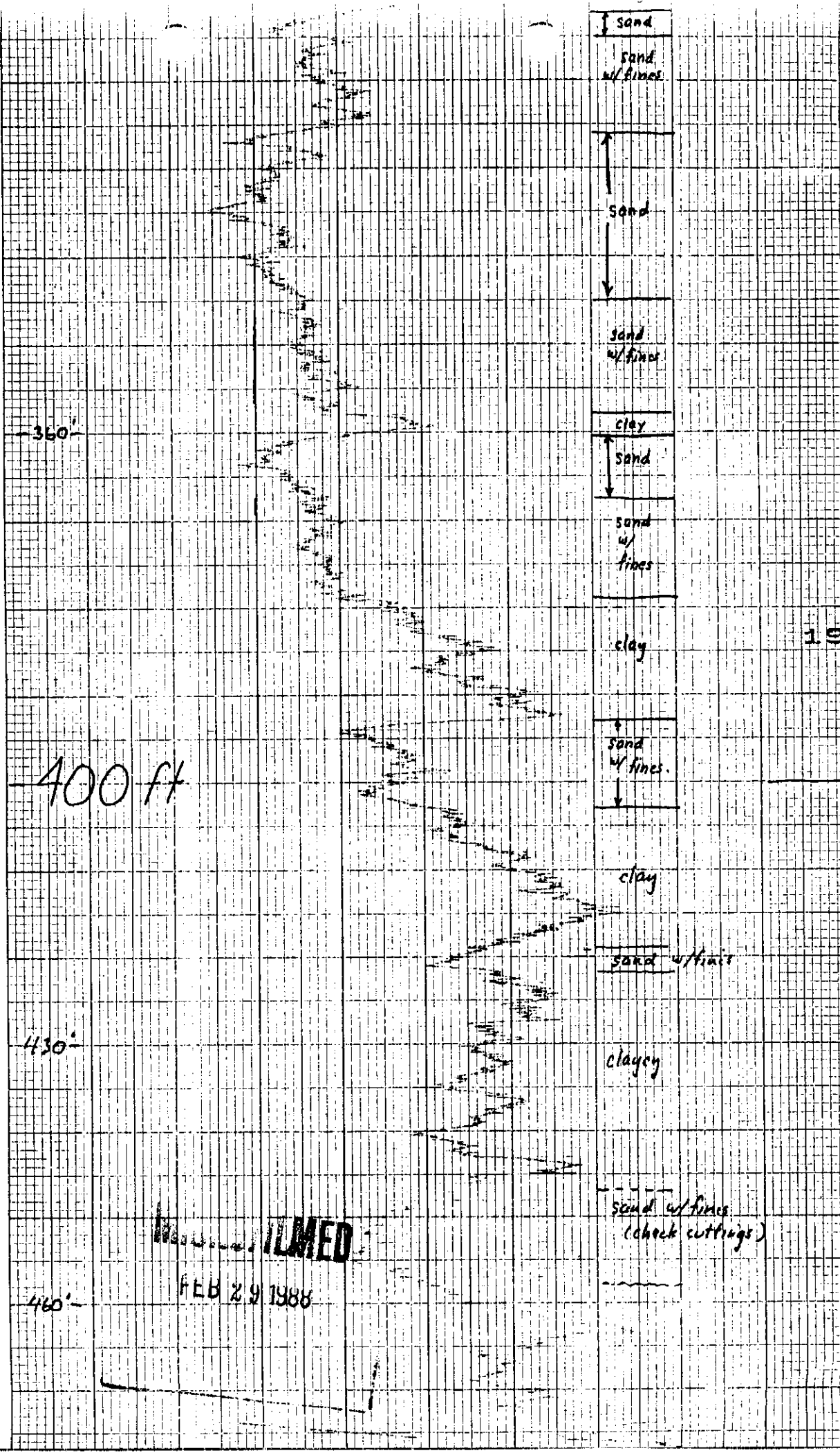
MADE IN U.S.A.

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.

BLANK END
OF CASING
465'



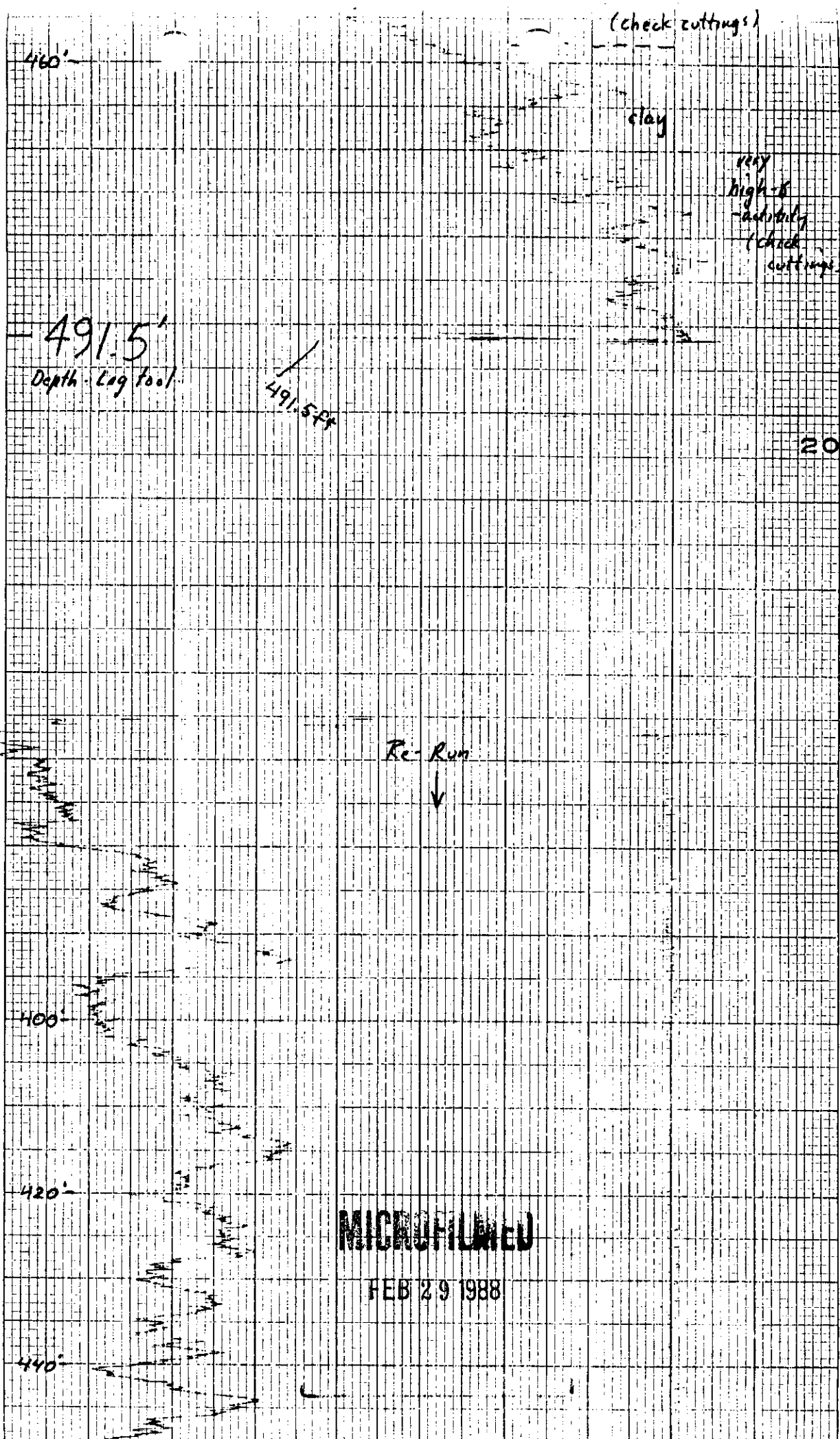
MADE IN U.S.A.

CHART NO. WM

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.

CHART NO. WM



6/87

RECEIVED

NOV 09 1987

Drilling Permit No. 63-87-W-055
Water Permit No. 63-10405
Injection Permit No. _____State of Idaho
Department of Water Resources**RECEIVED**

OCT 30 1987

Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

Department of Water Resources
Western Regional Office1. Applicant Boise Water Corp.2. Address P.O. Box 7488, Boise, ID 83707

(x) Well Owner () Well Operator () Other, specify _____

3. Water right permit no. 63-10405; Injection well permit no. _____4. Proposed well location 1/4 SW 1/4 SE 1/4, or Gov't lot No. _____Sec. 24, Twp. 3N, Rge. 2E, County Ada

Lot, block and subdivision _____

5. Proposed use of well: (Check all that apply)

() Domestic () Stockwater () Monitoring

() Irrigation () Industrial (x) Municipal

() Injection () Other, Specify _____

6. Well construction information:

(X) New well () Deepen () Replace

Proposed surface diameter 18" Proposed depth 500'

Anticipated bottom hole temperature:

(X) 85°F or less (Cold water well)
() 85°F to 212°F (Low temp. geothermal well)
() 212°F or more (Geothermal well)**MICROFILMED**

FEB 29 1988

7. Anticipated construction start date 10/31/878. Well Driller (if known) W. E. Stevens & Sons Well DrillingAddress 3709 Hawthorne Drive, Boise, ID 83703Date 10/30/87 Applicant's signature Daniel BrownTitle Company Engineer

* After other pre-requisite approvals have been obtained.

ACTION OF IDWR

(X) Approved () Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

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. The permit holder or his representative shall notify the Department ten (10) days prior to the start of construction unless good cause for later notification can be shown.
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.

SPECIFIC CONDITIONS:

THIS WELL DRILLING PERMIT IS SUBJECT TO THE CONDITIONS OF APPROVAL AS SHOWN ON PERMIT NO. 63-10405.

MICROFILMED

FEB 29 1988

Dated this 30th day of October, 1987.

Signed

Danna R. Tuller

Title

Mgr, Western Reg. Off, IDWR

Received by J

Fee

100.00

Date

10/30/87

Receipt No.

43986

Construction start date

10/31/87

Construction start extension to

Extension approved by

File _____

LAW OFFICES
GIVENS, McDEVITT, PURSLEY, WEBB & BUSER

RAYMOND D. GIVENS
CHAS. F. McDEVITT
KENNETH L. PURSLEY
JAY L. WEBB
PAUL J. BUSER
LEO EDWARD MILLER
CHRISTOPHER J. BEESON
TERRY L. MYERS
KENNETH R. McCLURE
JEFFREY C. FEREDAY
JUDITH K. HOLCOMBE
CONLEY WARD
PATRICK J. MILLER
JAMES D. HANSEN
ELEANORE S. BAXENDALE

SUITE 200, PARK PLACE
277 NO. 6TH STREET
POST OFFICE BOX 2720
BOISE, IDAHO 83701

RECEIVED

NOV 2 1987

Department of Water Resources
Eastern District Office

TELEPHONE
(208) 342-8571

TELECOPIER
(208) 343-9492

October 28, 1987

RECEIVED

OCT 28 1987

4:50

Department of Water Resources

Via Hand Delivery

William F. Ringert, Esq.
Ringert, Clark, Herrington,
Reid, Christenson & Kaufman
599 W. Bannock Street
Boise, ID 83702

Re: Boise Water Corporation -- Amended Application No.
63-10405

Dear Bill:

Thank you for your letter of October 26, 1987 responding to my recent letter and setting forth the Nampa & Meridian Irrigation District's position on certain issues pertaining to groundwaters within District boundaries. While your letter does not suggest that these issues are presented by Boise Water Corporation's amended well permit application No. 63-10405, we recognize your concern about groundwater generally.

We agree with you that it is difficult to predict what interpretation the courts might adopt in the future regarding the questions you and I have identified in our exchange of correspondence. But we appreciate being informed of the District's position on these issues and understand that the District is not willing to concede any factual or legal conclusions about the source of the water that would be diverted under a permit granted pursuant to Boise Water's Application No. 63-10405. Neither is Boise Water, of course.

Since Boise Water Corporation acknowledges that the District is taking the positions stated in your October 26 letter, we request that the District withdraw its protest to the Application, as promised in your letter. We would greatly

RECEIVED

FEB 29 1988

RECEIVED

NOV 3 1987

Department of Water Resources
Western Regional Office

70' surface casing
inner PVC to bottom

Temperature °F

40 50 60 70 80

BWC
Pier Point Well

10-26-87

B.S.U. G & G

no significant temperature
change above
400 ft

-3800

400 ft

53.5°

13

440' →

450 ft

Temp
°F

75.5°

491.5'

RECORDED

FEB 29 1988

491.5 ft
75.5° F
30
100 up

MADE IN U.S.A.

CHART NO. WH

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

MADE IN U.S.A.

William F. Ringert, Esq.
October 28, 1987
Page 2

appreciate it if you could notify the Department of the withdrawal of the protest as soon as possible.

Very truly yours,

Jeff Fereday

Jeffrey C. Fereday

JCF:gc

cc: Mr. Wayne Booe
Mr. Ben Hepler
Daniel Brown, P.E.
Mr. David Milan
David R. Tuthill, P.E. ✓

RECEIVED

FEB 29 1988

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

AMENDED

INITIAL REVIEW BY: [Signature]

APPLICATION NUMBER: 63-10405

CHECK:

- ☒ Source.
☒ Point of diversion. NO LOTS
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☐ Yes ☒ No Field check required.
☐ Yes ☒ No Critical groundwater area. Located within the Boise Front Low Temp Geothermal
☐ Yes ☐ No Request dam safety information. Sent by: _____ Date: Resource Ground Water
☒ Yes ☐ No* In form to receipt. Mgmt Area

Field check by: _____
Date: _____
Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☐ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☐ Other _____

Copies sent by: _____ Date: _____

PROCESSING:

- ☐ Yes ☒ No Platted by: _____ Map No. _____
☒ Yes ☒ No Other rights on same place of use. OTHER BOISE WATER CORP.
WATER RIGHTS. NONE FOR P.D. IN THIS 1/4 FOR BWC.
☐ Yes ☐ No* In form for advertising.
Withdrawn on 10/31/87 Final date for protests: _____
☒ Yes ☐ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: _____
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☐ Protests, dates, withdrawal, etc., recorded on application.
☐ Recommendation & initial, recorded on application.
☐ Yes ☒ No Measuring device required.
☒ Yes ☐ No Access port required.
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what district? _____
3/17/1987 Date of priority recommended. (Change in P/d should not affect priority date)
Special conditions of approval or cover letter. 26A/OIC

The point of diversion identified in this permit is located within the boundaries of the Boise Front Low Temperature Geothermal Resource Ground Water Management Area. If water with a temperature greater than 85°F is encountered by the driller, the Department must be immediately notified and drilling must immediately cease pending a review of drilling conditions by the Department. (See add'l conditions attached)

Suggest that 2 years be allowed for completion of this project.

By: Det Date: 10/30/87

STATE OFFICE REVIEW:

RECEIVED
OCT 30 1987

- ☐ See attached sheet for more information.

By: _____ Date: _____ Department of Water Resources

ATTACHMENT TO CONDITIONS OF APPROVAL

For Permit No. 63-10405

- e. 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.
- f. A flow measurement port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
- g. Permit holder shall comply with the drilling requirements of Section 42-238, Idaho Code.
- h. Unperforated casing shall be installed to a depth of at least 300 feet.
- i. The point of diversion identified in this permit is located within the boundaries of the Boise Front Low Temperature Geothermal Resource Ground Water Management Area. If water with a temperature greater than 85°F is encountered by the driller, the Department must be immediately notified and drilling must immediately cease pending a review of drilling conditions by the Department.
- j. Drilling fluid return temperatures shall be monitored each 20 feet during drilling, and a report shall be prepared of this data. This report, plus a determination of the static temperature gradient within the well shall be submitted to the Department when the well is completed or when 85°F water is encountered, whichever is first.

Reviewed & concurred by

John Beat Carlson

Norm Young

& Dave Tutthill

RECEIVED

FEB 29 1988



State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region

CECIL D. ANDRUS
Governor

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

R. KEITH HIGGINSON
Director

October 30, 1987

William F. Ringert, Esq.
Ringert, Clark, Harrington, Reid,
Christenson and Kaufman
599 W. Bannock Street
Boise, ID 83702

RE: Water Right Application for Permit No. 63-10405 in the Name
of Boise Water Corporation

Dear Mr. Ringert:

We are in receipt of your letter dated October 29, 1987, in which you withdrew the protest of the above-referenced application for permit on behalf of your client, the Nampa-Meridian Irrigation District. Based on this withdrawal the Department will continue to process the application.

Sincerely,

David R. Tuthill, Jr., P.E.
Manager, Western Regional Office

cc: Richard W. Haumann
District Manager, Nampa-Meridian Irrigation District

Daniel Brown
Boise Water Corporation

Jeffery C. Fereday, Esq.

MICROFILMED

FEB 29 1988

Ringert, Clark, Harrington, Reid, Christenson & Kaufman

CHARTERED
LAWYERS

WILLIAM F. RINGERT
D. BLAIR CLARK
ANDREW M. HARRINGTON
JAMES G. REID
JEFFREY R. CHRISTENSON
JAMES P. KAUFMAN
MICHAEL J. GAFFNEY
LAURA E. BURRI
LEA C. ADAMS

SAMUEL KAUFMAN (1921-1986)

599 WEST BANNOCK STREET
P.O. BOX 2773
BOISE, IDAHO 83701
TELEPHONE (208) 342-4591

October 29, 1987

RECEIVED
OCT 29 1987

Department of Water Resources
Western Regional Office

Mr. David R. Tuthill
Department of Water Resources
Statehouse Mail
Boise, Idaho 83720

Re: Nampa & Meridian Irrigation District -
Protest Against Application No. 63-10405 by
Boise Water Corporation

Dear Mr. Tuthill:

Attached to this letter are copies of my letter of October 26, 1987, to Mr. Jeff Fereday, attorney for Boise Water Corporation, Mr. Fereday's letter of October 28, 1987, to me, and my letter of October 28, 1987, to Mr. Fereday.

Based upon the matters recognized by Boise Water Corporation in Mr. Fereday's letter, Nampa & Meridian Irrigation District has authorized me to advise you that the Protest against Application No. 63-10405, as stated in Mr. Richard Haumann's letter of September 30, 1987, is hereby withdrawn.

Yours very truly,

W. F. Ringert
W. F. Ringert

WFR:am
Enclosures

MICROFILMED

FEB 29 1988

Ringert, Clark, Harrington, Reid, Christenson & Kaufman

CHARTERED
LAWYERS

WILLIAM F. RINGERT
D. BLAIR CLARK
ANDREW M. HARRINGTON
JAMES G. REID
JEFFREY R. CHRISTENSON
JAMES P. KAUFMAN
MICHAEL J. GAFFNEY
LAURA E. BURRI
LEA C. ADAMS

SAMUEL KAUFMAN (1921-1986)

599 WEST BANNOCK STREET
P.O. BOX 2773
BOISE, IDAHO 83701
TELEPHONE (208) 342-4591

October 28, 1987

Mr. Jeffrey C. Fereday
Givens, McDevitt, Pursley, Webb & Buser
Attorneys at Law
P. O. Box 2720
Boise, Idaho 83701

Re: Nampa & Meridian Irrigation District -
Protest Against Application No. 63-10405 by
Boise Water Corporation

Dear Jeff:

In response to your letter of October 28, 1987, regarding the Application of Boise Water Corporation and the Protests of Nampa & Meridian Irrigation District, I thought that my letter had identified the issues that Nampa & Meridian Irrigation District wanted to raise with respect to Boise Water Corporation's Application. Apparently it did not:

1. The proposed use will reduce the quantity of water under existing water rights; and
2. The proposed use will conflict with the local public interest.

Mr. Haumann, who signed the original letter of protest, will be out of town until Monday of next week. I have attempted to contact two of the Nampa & Meridian Irrigation District directors by telephone to obtain authorization to send the Department of Water Resources a letter withdrawing the District's Protest. Neither of the directors was home at the time I attempted to call.

I have written a letter withdrawing the Protest and I am sending a copy of this letter to each director and to the District, with a request that authorization be given to my secretary to deliver the letter to you. I am doing this because I will be out of town tomorrow and Friday and do not wish to cause any further delay to Boise Water Corporation, if that can be accomplished.

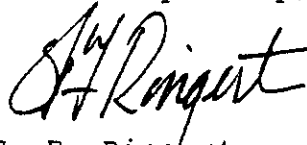
MICROFILMED

FEB 29 1988

Mr. Jeffrey C. Fereday
October 28, 1987
Page Two

If authorization is received by my secretary, she has instructions to call you to have someone pick up the letter. If authorization is not received, please call me Monday and we will make the necessary arrangements to take care of the withdrawal of the Protest.

Yours very truly,



W. F. Ringert

WFR:am

cc: Nampa & Meridian Irrigation District
Each Director

MICROFILMED

FEB 29 1988

Ringert, Clark, Harrington, Reid, Christenson & Kaufman

CHARTERED
LAWYERS

WILLIAM F. RINGERT
D. BLAIR CLARK
ANDREW M. HARRINGTON
JAMES G. REID
JEFFREY R. CHRISTENSON
JAMES P. KAUFMAN
MICHAEL J. GAFFNEY
LAURA E. BURRI
LEA C. ADAMS

599 WEST BANNOCK STREET
P.O. BOX 2773
BOISE, IDAHO 83701
TELEPHONE (208) 242-4891

SAMUEL KAUFMAN (1921-1986)

October 26, 1987

Mr. Jeffrey C. Fereday
Givens, McDevitt, Pursley, Webb & Buser
Attorneys at Law
P. O. Box 2720
Boise, Idaho 83701

Re: Nampa & Meridian Irrigation District -
Protest Against Application No. 63-10405 by
Boise Water Corporation

Dear Jeff:

As I indicated in our telephone conversation last week, Nampa & Meridian Irrigation District long has taken the position that ground water occurring within the boundaries of the District results in significant measure from seepage or percolation during either the storage, transmission or distribution of water previously diverted by the District. Those waters are subject to reuse by the District as and when needed by landowners within the District.

In Mr. Richard Haumann's letter of September 30, 1987, to Mr. David Tuthill of the Department of Water Resources, Mr. Haumann indicated that the District is willing to withdraw its protest, if Boise Water Corporation will recognize the District's "claim" to subterranean waters within the District. I believe that what he was requesting was an acknowledgment of the District's position regarding its right to reuse seepage or percolation as outlined above.

The District does not want to be in the position of having an estoppel asserted against it at some later date for failure to make known its position at the time an application is filed. Although we do not think the filing of a protest is mandatory or that failure to protest an application could result in an estoppel being applied, the District cannot predict what interpretation might be adopted in the future. Therefore, the purpose of the protest, in part, is to inform the applicant of the District's position regarding subterranean waters.

MICROFILMED

FEB 29 1988

Mr. Jeffrey C. Fereday
October 26, 1987
Page Two

The District is not willing to concede that the aquifer from which Boise Water Corporation proposes to divert water under Application No. 63-10405 does not receive any water which the District is entitled to use. The source of water for the aquifer must remain an open issue for future determination.

If Boise Water Corporation is willing to acknowledge that the District is taking the positions that I have stated above, then the District will withdraw its protest, as indicated in Mr. Haumann's letter.

Yours very truly,


W. F. Ringert

WFR:am

cc: Western Regional Office, Department of
Water Resources

MICROFILMED

FEB 29 1988

LAW OFFICES
GIVENS, MCDEVITT, PURSLEY, WEBB & BUSER

RAYMOND D. GIVENS
CHAS. F. MCDEVITT
KENNETH L. PURSLEY
JAY L. WEBB
PAUL J. BUSER
LEO EDWARD MILLER
CHRISTOPHER J. BEESON
TERRY L. MYERS
KENNETH R. MCCLURE
JEFFREY C. FEREDAY
JUDITH K. HOLCOMBE
CONLEY WARD
PATRICK J. MILLER
JAMES D. HANSEN
ELEANORE S. BAXENDALE

SUITE 200, PARK PLACE
277 NO. 6TH STREET
POST OFFICE BOX 2720
BOISE, IDAHO 83701

TELEPHONE
(208) 342-6571

TELECOPIER
(208) 343-9492

October 28, 1987

Via Hand Delivery

RECEIVED

OCT 28 1987

RINGERT CLARK ET AL

William F. Ringert, Esq.
Ringert, Clark, Herrington,
Reid, Christenson & Kaufman
599 W. Bannock Street
Boise, ID 83702

Re: Boise Water Corporation -- Amended Application No.
63-10405

Dear Bill:

Thank you for your letter of October 26, 1987 responding to my recent letter and setting forth the Nampa & Meridian Irrigation District's position on certain issues pertaining to groundwaters within District boundaries. While your letter does not suggest that these issues are presented by Boise Water Corporation's amended well permit application No. 63-10405, we recognize your concern about groundwater generally.

We agree with you that it is difficult to predict what interpretation the courts might adopt in the future regarding the questions you and I have identified in our exchange of correspondence. But we appreciate being informed of the District's position on these issues and understand that the District is not willing to concede any factual or legal conclusions about the source of the water that would be diverted under a permit granted pursuant to Boise Water's Application No. 63-10405. Neither is Boise Water, of course.

Since Boise Water Corporation acknowledges that the District is taking the positions stated in your October 26 letter, we request that the District withdraw its protest to the Application, as promised in your letter. We would greatly

MICROFILMED

FEB 29 1988

William F. Ringert, Esq.
October 28, 1987
Page 2

appreciate it if you could notify the Department of the withdrawal of the protest as soon as possible.

Very truly yours,

Jeff Fereday

Jeffrey C. Fereday

JCF:gc

cc: Mr. Wayne Booe
Mr. Ben Hepler
Daniel Brown, P.E.
Mr. David Milan
David R. Tuthill, P.E.

MICROFILMED

FEB 29 1988

Don
No response req'd

Ringert, Clark, Harrington, Reid, Christenson & Kaufman

CHARTERED
LAWYERS

WILLIAM F. RINGERT
D. BLAIR CLARK
ANDREW M. HARRINGTON
JAMES G. REID
JEFFREY R. CHRISTENSON
JAMES P. KAUFMAN
MICHAEL J. GAFFNEY
LAURA E. BURRI
LEA C. ADAMS

599 WEST BANNOCK STREET
P.O. BOX 2773
BOISE, IDAHO 83701
TELEPHONE (208) 342-4891

SAMUEL KAUFMAN (1921-1986)

October 26, 1987

RECEIVED
OCT 27 1987

Mr. Jeffrey C. Fereday
Givens, McDevitt, Pursley, Webb & Buser
Attorneys at Law
P. O. Box 2720
Boise, Idaho 83701

Department of Water Resources
Western Regional Office

Re: Nampa & Meridian Irrigation District -
Protest Against Application No. 63-10405 by
Boise Water Corporation

Dear Jeff:

As I indicated in our telephone conversation last week, Nampa & Meridian Irrigation District long has taken the position that ground water occurring within the boundaries of the District results in significant measure from seepage or percolation during either the storage, transmission or distribution of water previously diverted by the District. Those waters are subject to reuse by the District as and when needed by landowners within the District.

In Mr. Richard Haumann's letter of September 30, 1987, to Mr. David Tuthill of the Department of Water Resources, Mr. Haumann indicated that the District is willing to withdraw its protest, if Boise Water Corporation will recognize the District's "claim" to subterranean waters within the District. I believe that what he was requesting was an acknowledgment of the District's position regarding its right to reuse seepage or percolation as outlined above.

The District does not want to be in the position of having an estoppel asserted against it at some later date for failure to make known its position at the time an application is filed. Although we do not think the filing of a protest is mandatory or that failure to protest an application could result in an estoppel being applied, the District cannot predict what interpretation might be adopted in the future. Therefore, the purpose of the protest, in part, is to inform the application of the District's position regarding subterranean waters.

MICROFILMED

FEB 29 1988

Mr. Jeffrey C. Fereday
October 26, 1987
Page Two

The District is not willing to concede that the aquifer from which Boise Water Corporation proposes to divert water under Application No. 63-10405 does not receive any water which the District is entitled to use. The source of water for the aquifer must remain an open issue for future determination.

If Boise Water Corporation is willing to acknowledge that the District is taking the positions that I have stated above, then the District will withdraw its protest, as indicated in Mr. Haumann's letter.

Yours very truly,


W. F. Ringert

WFR:am

cc: Western Regional Office, Department of
Water Resources ✓

RECEIVED

FEB 29 1988

✓ Dkt
No response ref'd.
Await response from Nampa-Mer.
File

LAW OFFICES
GIVENS, McDEVITT, PURSLEY, WEBB & BUSER

RAYMOND D. GIVENS
CHAS. F. McDEVITT
KENNETH L. PURSLEY
JAY L. WEBB
PAUL J. BUSER
LEO EDWARD MILLER
CHRISTOPHER J. BEESON
CELESTE KIM VERNETTI
TERRY L. MYERS
KENNETH R. McCLURE
JEFFREY C. FEREDAY
JUDITH K. HOLCOMBE

SUITE 200, PARK PLACE
277 NO. 8TH STREET
POST OFFICE BOX 2720
BOISE, IDAHO 83701

TELEPHONE
(208) 342-6571

TELECOPIER
(208) 343-9492

October 14, 1987

RECEIVED
OCT 16 1987

Mr. Richard M. Haumann
District Manager
Nampa & Meridian Irrigation
District
1503 1st Street South
Nampa, ID 83651-4395

Department of Water Resources
Regional Office

Re: Boise Water Corporation -- Amended Application No.
63-10405

Dear Dick:

Boise Water Corporation has forwarded to us your September 30, 1987 letter to David Tuthill of the Idaho Department of Water Resources. In your letter to Mr. Tuthill, you explained the basis for Nampa & Meridian Irrigation District's protest against Boise Water's Amended Application No. 63-10405 and stated the conditions upon which the District would withdraw its protest. I have discussed this matter with your attorney, William Ringert, and am responding to your concerns.

In your letter you state that the District "does have claim to subterranean waters within our District," and agreed to withdraw your protest if Boise Water "recognizes the fact that the Ridenbaugh Canal is one of the sources that contributes water to the subterranean aquifer." In my discussions with Mr. Ringert, it became apparent that your position is that the District wishes to preserve all rights it may have to recapture and place to beneficial use any seepage or leakage originating from the District's diversions which reaches groundwater. We understand that your letter is not to be read as asserting that the District claims rights to all groundwater within District boundaries.

By filing its application to appropriate groundwater in Amended Application No. 63-10405, Boise Water Corporation does not intend to infringe upon any right the District may have under Idaho law to reclaim and place to beneficial use water that seep or leak into groundwater aquifers from District

RECEIVED

FEB 29 1988

Mr. Richard M. Haumann
October 14, 1987
Page 2

facilities or lands irrigated through District diversions. Of course, Boise Water cannot guarantee your right to reclaim and beneficially use any particular groundwaters, and does not make any representations concerning the law applicable to return flows.

In any event, these issues should not arise in this case. The test well Boise Water has drilled pursuant to Amended Application 63-10405 is a deep well which penetrates -- and is sealed into -- at least one layer of impermeable clay. The production well will have the same characteristics. The well also is about 1,720 feet from the Ridenbaugh Canal. These circumstances strongly suggest that there is no measurable connection between the deep horizon from which this well will pump and any waters diverted under the District's right. Boise Water's engineering staff confirms this view. In sum, it appears that percolation from District facilities or lands does not contribute to the aquifer from which this well will produce.

We hope that this letter has satisfied your concerns and that your protest will be lifted. Please inform me immediately if you have any further questions.

Very truly yours,

Jeffrey C. Fereday

Jeffrey C. Fereday

JCF:gc

cc: Mr. Wayne Booe
Mr. Ben Hepler
David J. Milan, P.E.
David R. Tuthill, P.E. ✓
William F. Ringert, Esq.

MICROFILMED

FEB 29 1988

CONVERSATION MEMORANDUM

DATE 10/5/87FILE 63-10405NAME OF PARTY Don Brown & Dean Button, Boise Water Corp (BWC)EMPLOYEE Dave TutthillRE: Letter from Nampa-Meridian Irr Dist (NMID)

Boise Water Corp is concerned about the language in the NMID letter. I suggested that they may wish to further discuss the issue with Richard Haumann of NMID. They will contact this office with a response. I advised BWC that we will make sure and advise NMID of any propose agreement language in this matter.

Dut

MICROFILMED

FEB 29 1988

Department of Water Resources
Western Regional Office

Nampa & Meridian Irrigation District

1503 FIRST STREET SOUTH NAMPA, IDAHO 83651-4395

Phones: Area Code 208

OFFICE: Nampa 466-7861
Boise 343-1884

SHOP: Nampa 466-0663
Boise 345-2431

30 September 1987

Idaho Department of Resources
Regional Office
2735 Airport Way
Boise, Idaho 83705

Dear Mr. Tuthill:

Nampa & Meridian Irrigation District does have claim to subterranean waters within our district. The District agrees to withdraw our protest if Boise Water Corporation recognizes the fact that the Ridenbaugh Canal is one of the sources that contributes water to the subterranean aquifer.

Sincerely,



Richard W. Haumann
District Manager
Nampa & Meridian Irrigation District

pc: Each Director
Secretary of the Board
William Ringert
Boise Water Corporation
File

RWH:jj



APPROXIMATE IRRIGABLE ACRES

RIVER FLOW RIGHTS — 23,000

BOISE PROJECT RIGHTS — 40,000



BOISE WATER CORPORATION • P.O. BOX 7488 • BOISE, IDAHO 83707 • (208) 362-1300

DM

September 25, 1987

Mr. Richard Haumann, Superintendent
Nampa-Meridian Irrigation District
1503 First Street South
Nampa, ID 83651

RE: Nampa-Meridian's Protest of Application #63-10405

Dear Mr. Haumann:

Attached are two maps showing the location of the proposed new well relative to the Ridenbaugh Canal. Scaling off the map, the distance from the well to the canal is approximately 1,720 feet.

Also enclosed is a copy of the well log for the test well we drilled at the site. We plan to extend the 20-inch surface casing to the clay layer, located at a depth of 70 feet, to help insure the well's operation will not affect the water table aquifer. This combined with the distance from your canal should eliminate any influence our operation will have on your canal operation.

I trust this information will aid in your review of the application.

Very truly yours,

BOISE WATER CORPORATION

Daniel Brown, P.E.

DB:jw

Attachment

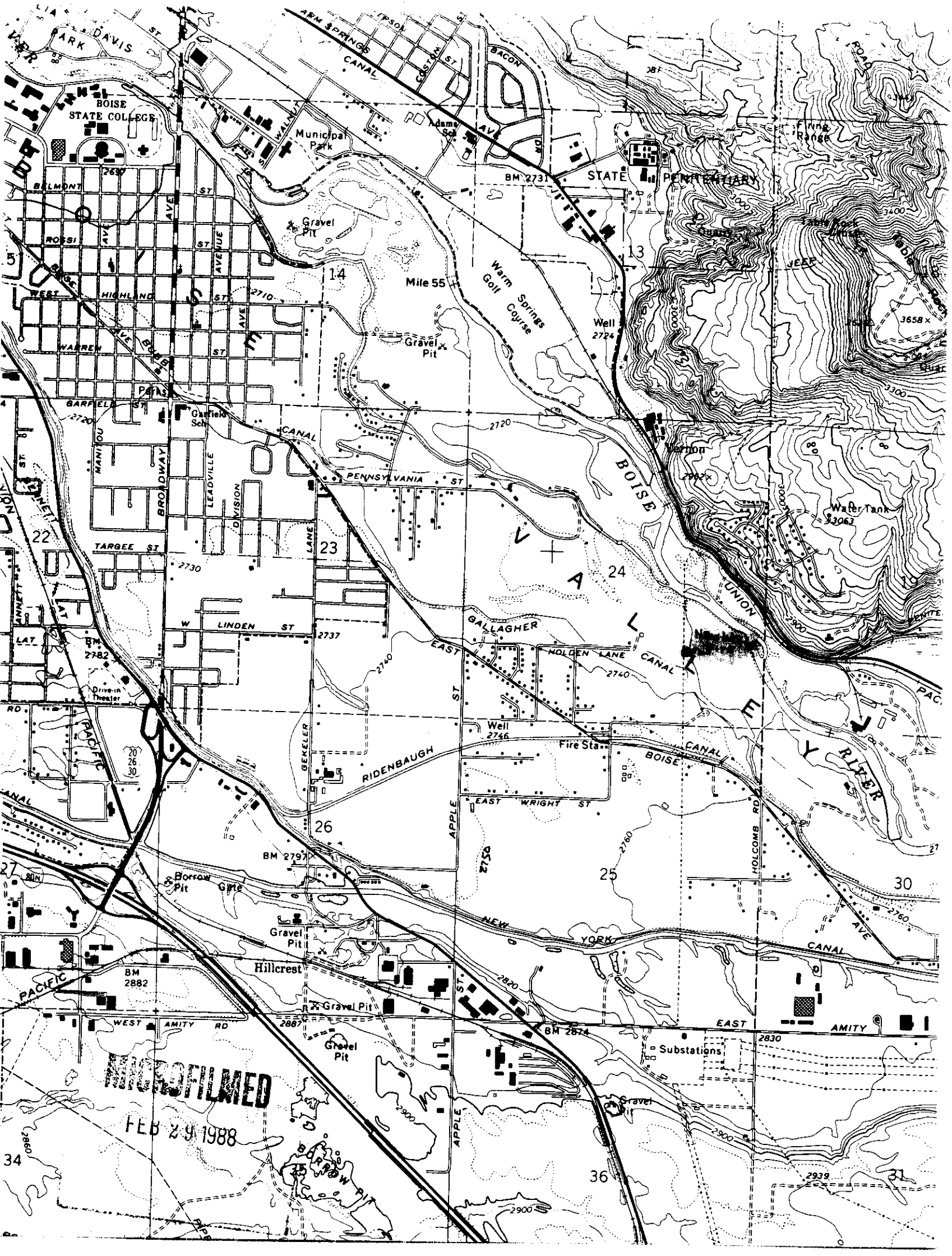
cc: David Tuthill, Idaho Department of Water Resources

RECEIVED

FEB 29 1988

RECEIVED

SEP 26 1987



MICROFILMED

FEB 29 1988

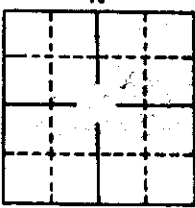


MICROFILMED

FEB 29 1988

WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Boise Water Corp</u> Address <u>8248 W Victory</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>18</u> feet below land surface. Flowing? ☐ Yes ☐ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u>OF</u> Quality _____ Describe artesian or temperature zones below.																																																																																																																																																																																															
2. NATURE OF WORK test hole ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailer ☒ Air ☐ Other _____ <table><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr><tr><td><u>400+</u></td><td><u>approx 150'</u></td><td><u>2</u></td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>400+</u>	<u>approx 150'</u>	<u>2</u>																																																																																																																																																																																									
Discharge G.P.M.	Pumping Level	Hours Pumped																																																																																																																																																																																														
<u>400+</u>	<u>approx 150'</u>	<u>2</u>																																																																																																																																																																																														
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☒ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr><tr><td rowspan="18">8</td><td>0</td><td>58</td><td>sand, gravel, boulders</td><td>X</td><td>X</td></tr><tr><td>59</td><td>68</td><td>brown clay</td><td> </td><td> </td></tr><tr><td>68</td><td>70</td><td>sand & gravel</td><td>X</td><td> </td></tr><tr><td>70</td><td>80</td><td>blue clay</td><td> </td><td>X</td></tr><tr><td>80</td><td>130</td><td>slightly muddy sand</td><td>X</td><td> </td></tr><tr><td>130</td><td>138</td><td>sandy blue clay</td><td> </td><td>X</td></tr><tr><td>138</td><td>180</td><td>cemented sand, streaks</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>blue clay</td><td> </td><td>X</td></tr><tr><td>180</td><td>205</td><td>sand, gravel, streaks clay</td><td>X</td><td> </td></tr><tr><td>205</td><td>207</td><td>brown clay</td><td> </td><td>X</td></tr><tr><td>207</td><td>210</td><td>sand & gravel</td><td>X</td><td> </td></tr><tr><td>210</td><td>225</td><td>blue clay, streaks sand</td><td>X</td><td> </td></tr><tr><td>225</td><td>252</td><td>brown clay, streaks</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>cemented sand</td><td> </td><td>X</td></tr><tr><td>252</td><td>277</td><td>blue clay</td><td> </td><td>X</td></tr><tr><td>277</td><td>290</td><td>blue sand & gravel, some</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>streaks blue clay</td><td>X</td><td> </td></tr><tr><td>290</td><td>300</td><td>blue clay</td><td> </td><td>X</td></tr><tr><td>300</td><td>310</td><td>blue clay, streaks sand</td><td>X</td><td> </td></tr><tr><td>310</td><td>318</td><td>tan clay</td><td> </td><td>X</td></tr><tr><td>318</td><td>332</td><td>fine to medium sand, tan</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>clay, some gravel</td><td>X</td><td> </td></tr><tr><td>332</td><td>348</td><td>tan clay, streaks sand</td><td> </td><td>X</td></tr><tr><td>348</td><td>365</td><td>tan clay, streaks blue clay</td><td>X</td><td> </td></tr><tr><td>365</td><td>392</td><td>fine to coarse sand</td><td>X</td><td> </td></tr><tr><td>392</td><td>400</td><td>cemented black sand, streaks</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>clay</td><td> </td><td>X</td></tr><tr><td>400</td><td>406</td><td>blue clay</td><td> </td><td>X</td></tr><tr><td>406</td><td>438</td><td>blue clay</td><td> </td><td>X</td></tr><tr><td>438</td><td>460</td><td>blue-green medium sand,</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>some gravel, streaks</td><td>X</td><td> </td></tr><tr><td> </td><td> </td><td>blue clay</td><td> </td><td> </td></tr><tr><td>460</td><td>475</td><td>blue clay</td><td> </td><td>X</td></tr><tr><td>475</td><td>488</td><td>dark blue-brown clay,</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>streaks sand & gravel</td><td> </td><td>X</td></tr><tr><td>488</td><td>500</td><td>dark blue-brown clay</td><td> </td><td>X</td></tr></table>	Bore Diam.	Depth		Material	Water		From	To	Yes	No	8	0	58	sand, gravel, boulders	X	X	59	68	brown clay			68	70	sand & gravel	X		70	80	blue clay		X	80	130	slightly muddy sand	X		130	138	sandy blue clay		X	138	180	cemented sand, streaks					blue clay		X	180	205	sand, gravel, streaks clay	X		205	207	brown clay		X	207	210	sand & gravel	X		210	225	blue clay, streaks sand	X		225	252	brown clay, streaks					cemented sand		X	252	277	blue clay		X	277	290	blue sand & gravel, some					streaks blue clay	X		290	300	blue clay		X	300	310	blue clay, streaks sand	X		310	318	tan clay		X	318	332	fine to medium sand, tan					clay, some gravel	X		332	348	tan clay, streaks sand		X	348	365	tan clay, streaks blue clay	X		365	392	fine to coarse sand	X		392	400	cemented black sand, streaks					clay		X	400	406	blue clay		X	406	438	blue clay		X	438	460	blue-green medium sand,					some gravel, streaks	X				blue clay			460	475	blue clay		X	475	488	dark blue-brown clay,					streaks sand & gravel		X	488	500	dark blue-brown clay		X
Bore Diam.	Depth		Material	Water																																																																																																																																																																																												
	From	To		Yes	No																																																																																																																																																																																											
8	0	58	sand, gravel, boulders	X	X																																																																																																																																																																																											
	59	68	brown clay																																																																																																																																																																																													
	68	70	sand & gravel	X																																																																																																																																																																																												
	70	80	blue clay		X																																																																																																																																																																																											
	80	130	slightly muddy sand	X																																																																																																																																																																																												
	130	138	sandy blue clay		X																																																																																																																																																																																											
	138	180	cemented sand, streaks																																																																																																																																																																																													
			blue clay		X																																																																																																																																																																																											
	180	205	sand, gravel, streaks clay	X																																																																																																																																																																																												
	205	207	brown clay		X																																																																																																																																																																																											
	207	210	sand & gravel	X																																																																																																																																																																																												
	210	225	blue clay, streaks sand	X																																																																																																																																																																																												
	225	252	brown clay, streaks																																																																																																																																																																																													
			cemented sand		X																																																																																																																																																																																											
	252	277	blue clay		X																																																																																																																																																																																											
	277	290	blue sand & gravel, some																																																																																																																																																																																													
			streaks blue clay	X																																																																																																																																																																																												
	290	300	blue clay		X																																																																																																																																																																																											
300	310	blue clay, streaks sand	X																																																																																																																																																																																													
310	318	tan clay		X																																																																																																																																																																																												
318	332	fine to medium sand, tan																																																																																																																																																																																														
		clay, some gravel	X																																																																																																																																																																																													
332	348	tan clay, streaks sand		X																																																																																																																																																																																												
348	365	tan clay, streaks blue clay	X																																																																																																																																																																																													
365	392	fine to coarse sand	X																																																																																																																																																																																													
392	400	cemented black sand, streaks																																																																																																																																																																																														
		clay		X																																																																																																																																																																																												
400	406	blue clay		X																																																																																																																																																																																												
406	438	blue clay		X																																																																																																																																																																																												
438	460	blue-green medium sand,																																																																																																																																																																																														
		some gravel, streaks	X																																																																																																																																																																																													
		blue clay																																																																																																																																																																																														
460	475	blue clay		X																																																																																																																																																																																												
475	488	dark blue-brown clay,																																																																																																																																																																																														
		streaks sand & gravel		X																																																																																																																																																																																												
488	500	dark blue-brown clay		X																																																																																																																																																																																												
4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____																																																																																																																																																																																																
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☒ Other <u>PVC</u> <table><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr><tr><td><u>.312</u> inches</td><td><u>8</u> inches</td><td><u>+ 2</u> feet</td><td><u>62</u> feet</td></tr><tr><td><u>.188</u> inches</td><td><u>5</u> inches</td><td><u>1'6"</u> feet</td><td><u>500</u> feet</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation <u>.040"</u> inches by <u>3 1/2"</u> inches <table><tr><th>Number</th><th>From</th><th>To</th></tr><tr><td><u>2000</u> perforations</td><td><u>110'6"</u> feet</td><td><u>460</u> feet</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>25</u> 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 ☐ Cemented between strata Describe access port _____	Thickness	Diameter	From	To	<u>.312</u> inches	<u>8</u> inches	<u>+ 2</u> feet	<u>62</u> feet	<u>.188</u> inches	<u>5</u> inches	<u>1'6"</u> feet	<u>500</u> feet									Number	From	To	<u>2000</u> perforations	<u>110'6"</u> feet	<u>460</u> feet							10. Work started <u>6/4/87</u> finished <u>6/19/87</u>																																																																																																																																																															
Thickness	Diameter	From	To																																																																																																																																																																																													
<u>.312</u> inches	<u>8</u> inches	<u>+ 2</u> feet	<u>62</u> feet																																																																																																																																																																																													
<u>.188</u> inches	<u>5</u> inches	<u>1'6"</u> feet	<u>500</u> feet																																																																																																																																																																																													
Number	From	To																																																																																																																																																																																														
<u>2000</u> perforations	<u>110'6"</u> feet	<u>460</u> feet																																																																																																																																																																																														
6. LOCATION OF WELL <u>River Run Test</u> Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Ada</u> <u>N1/4 S1/4 Sec. 24, T. 3 N, R. 2 E.</u>	11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>W.E. Stevens & Son</u> No. <u>153</u> Address <u>3709 Hawthorne Dr</u> Date <u>7/20/87</u> Signed by (Firm Official) <u>Wayne E Stevens</u> and (Operator) <u>Donald L Stevens</u>																																																																																																																																																																																															

OK
[Signature]

NOTICE OF AMENDED APPLICATION FOR PERMIT

Notice is hereby given that application No. 63-10405 in the name of Boise Water Corporation was filed on 8/25/87 for the diversion of 3.34 cfs from a groundwater source with a point of diversion within the NWSE, Sec. 30, Twp. 3N., Rge. 3E., B.M. to be used for Municipal purposes from Jan. 1 to Dec. 31 within portions of City of Boise, ID.

The applicant now proposes to amend the application by changing the point of diversion to the SWSE, Sec. 24, Twp. 3N., Rge. 2E., B.M.

Any protest against the approval of the amended application must be filed with the the Department of Water Resources, Western Region, 2735 Airport Way, Boise, ID 83705 on or before September 21, 1987

R. Keith Higginson
Director

Published in The Idaho Statesman on 9/3 & 9/10/87

FILED

FEB 29 1988

FROM

Jan Thune

TO

Dave Ruthill

SUBJECT

App. for Permit 63-10405, Boise Water

Van Brown, Boise Water Corp. engineer
phoned to say they plan on amending
the permit app's pt. of diversion to
a different spot. Since this may
prompt Nampa-Meridian to withdraw
their protest he wanted to delay the
hearing scheduling. Jan

SIGNATURE

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: Jan Shute APPLICATION NUMBER: 63-10455

CHECK:

- ☒ Source.
☒ Point of diversion. NO GOVT. LOTS
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☒ Yes ☒ No Field check required.
☒ Yes ☒ No Critical groundwater area.
☒ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☒ No* In form to receipt.

Field check by: _____
Date: _____
Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☒ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☐ Other _____

Copies sent by: AP Date: 4/20/87

PROCESSING:

- ☐ Yes ☒ No Platted by: _____ Map No. _____
☐ Yes ☒ No Other rights on same place of use. None for this well, several for City of Boise or Boise Water Corp.
☒ Yes ☐ No* In form for advertising.
Final date for protests: 5/14/87
☐ Yes ☐ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: _____
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application. 105/422910
☒ Publication dates and paper, recorded on application. ID Stakeholder 4/10 & 4/23/87
☒ Protests, dates, withdrawal, etc., recorded on application.
☐ Recommendation & initial, recorded on application.
☐ Yes ☐ No Measuring device required.
☐ Yes ☐ No Access port required.
☐ Yes ☐ No Will water be delivered by watermaster? If yes, what district? _____
Date of priority recommended.
Special conditions of approval or cover letter. _____

By: _____ Date: _____

STATE OFFICE REVIEW:

☐ See attached sheet for more information.
By: _____ Date: _____

SPECIAL NOTE: _____

PROTEST INFORMATION SHEET

Protestant - Name(s)

Richard W. Haumann, District Mgr., Nampa & Meridian Irr. Dist.

Address 1503 First St. So., Nampa, ID 83651

Attorney - Name & Address _____

Date Filed 5/4/87 Protest Date 5/4/87

Issues _____

Applicant - Attorney - Name & Address _____

Dates: _____

Acknowledgement letters: _____

Hearing Notice: _____

Hearing Date: _____

Other: _____

RECEIVED

FEB 29 1988

Protest Information submitted in Computer (following hearing): _____



Cecil D. Andrus
Governor

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region

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

May 7, 1987

Nampa & Meridian Irrigation District
1503 First Street South
Nampa, ID 83651-4395

Re: No. 63-10405 in the Name of Boise Water Corporation

Gentlemen:

This office acknowledges receipt of your protest to the issuance of a permit pursuant to the above referenced application(s). The Department suggests you contact the applicant(s) directly in an effort to determine what is proposed by the application(s) and to attempt to resolve the protest.

If this office has not been advised within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (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?

If this office can be of further assistance, please contact us.

Yours truly,

MICROFILMED

FEB 29 1988

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

DRT:jp



State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region

Cecil D. Andrus
Governor

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

May 7, 1987

Boise Water Corporation
P. O. Box 7488
Boise, ID 83707

Gentlemen:

Enclosed is a copy of a protest(s) filed against the issuance of a permit pursuant to your Application No. 63-10405. The Department suggests you contact the protestant(s) directly in an effort to resolve the protest(s) and to 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 conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying the application for permit (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 which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?

If this office can be of further assistance, please contact us.

Yours truly,

DAVID R. TUTHILL, JR., P. E.
Western Regional Manager

DRT:jp

Enclosure:

RECEIVED

FEB 29 1988



STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE

DIVISION OF ENVIRONMENT - 801 Reserve Street, Boise, Idaho 83712

April 24, 1987

RECEIVED

APR 28 1987

Mr. David R. Tuthill
Western Region Supervisor
Department of Water Resources
Statehouse Mail
Boise, Idaho 83720

Department of Water Resources

RE: 63-10405 (Boise Water Corporation)

Dear Mr. Tuthill:

This office has reviewed the above referenced application and has no objections to this appropriation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jon Wroten".

Jon Wroten
Senior Water Quality Specialist

JW:cs

cc: Craig Shepard
Larry Koenig

RECEIVED

FEB 29 1988

RECEIVED

MAY 4 1987

Department of Water Resources
Western Regional Office

EQUAL OPPORTUNITY EMPLOYER



Cecil D. Andrus
Governor

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region

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

April 20, 1987

Idaho Department of Health & Welfare
Division of Environment
Attn: Jon Wroten
Statehouse
Boise, ID 83720

Re: Application for Permit No. 63-10405 in the Name of Boise Water Corporation

Dear Mr. Wroten:

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 4, 1987.

If you have any questions regarding the application, please contact this office.

Sincerely,

DAVID R. TUTHILL, JR., P. E.
Western Region Manager

DRT:jp

Enclosure (s)

MICROFILMED
FEB 23 1988



BOISE WATER CORPORATION • P.O. BOX 7488 • BOISE, IDAHO 83707 • (208) 362-1300

March 13, 1987

*COPY OF THIS
SENT LETTER*

*TO
DICK HAMMON
Mgr, Nampa-Rendon*

Ms. Jan Shurte
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705

RE: Application for Permit for Boise Water Corporation's Proposed
Barber Well

Dear Ms. Shurte:

Attached is the Application for Permit for the proposed Barber Well. It is to be located approximately 1/4 mile west of Eckert Road and north of Boise Avenue at the south side of the Ridenbaugh Canal. It is also approximately 1/4 mile south of the Boise River.

We've drilled a test well at this site and encountered a clay layer from 76 feet to 86 feet and a cemented sand and clay layer from 89 feet to 100 feet, which provide a barrier between the surface water and the deeper groundwater. This is evident due to the artesian action of a water bearing formation encountered at 100 feet. Down to this level, we had little or no water. The well driller had to add water so he could drill. After entering the formation at 100 feet, the water raised in the well to about 15 feet. This indicates the water is confined by the upper layers of cemented sand and clay. We plan to run a permanent 20-inch outer casing down to the clay at 76 feet to further insure a separation is maintained between the surface water and deeper groundwater.

If you have any questions, please don't hesitate to call.

MICROFILMED

FEB 20 1988

Very truly yours,

BOISE WATER CORPORATION

Daniel Brown

Daniel M. Brown, P.E.

DMB:jw

Attachment

cc: Jack Kelly, Anderson & Kelly

RECEIVED
MAR 1 1987

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Western Region

Statehouse
Boise, Idaho 83720
(208) 334-2190

APRIL 8, 1987

The Idaho Statesman
Box 40
Boise, ID 83707

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 MAY 4, 1987.

Yours truly,

JUDY PENSE
Secretary

Encl.

RECEIVED

FEB 29 1988

NOTICE OF APPLICATION FOR WATER RIGHT

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

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 4, 1987.

KEN DUNN, Dir.

Published 04/16 & 04/23/87.

RECEIVED
FEB 29 1988

63-10405

BOISE WATER CORP.

P. O. BOX 7488, BOISE, ID 83707

Source: GROUNDWATER

Diversion Pt: NWSE Sec 30 T 03N R 03E

Use: MUNICIPAL (3.340 CFS)

Date Filed: 03/17/1987

P/U: Within the City Limits of Boise.

MICROFILMED

FEB 29 1988

