

RECEIVED

FORM 202

AUG 09 2006

WATER RESOURCES
WESTERN REGION

Ident. No. 63-32421 12/99

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 State University Phone (208) 426-1011
Mailing address 1910 University Drive, Boise, ID 83725
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is Township 03N Range 02E Sec. 15, in the _____
NW $\frac{1}{4}$, NE $\frac{1}{4}$, Govt. Lot _____, B.M., ADA County;
additional points of diversion if any: _____
4. Water will be used for the following purposes:
Amount 0.42 cfs for Cooling 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)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 0.42 cfs and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
a. Describe type and size of devices used to divert water from the source Existing well with 7.5-hp submersible pump
diverts water to a chiller system for air conditioning of buildings
b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet;
total reservoir capacity _____ acre-feet
c. Proposed well diameters are 10 inches; proposed depth of well is 172 feet
d. Is ground water with a temperature of greater than 85°F being sought? No
e. If well is already drilled, when? 1966; Drilling firm _____;
Well was drilled for (well owner) Boise College; Drilling Permit No. NA
7. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
a. Hydropower; show total feet of head and proposed capacity in kW. _____
b. Stockwatering; list number and kind of livestock. _____
c. Municipal; show name of municipality. _____
d. Domestic; show number of households. _____
e. Other; describe fully. Cooling use for three Boise State University buildings (Liberal Arts, Hemingway
Western Studies Center, and the Special Events Center)

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (*example: D for Domestic*) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	02E	15		L			L												

L=cooling

Total number of acres to be irrigated

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

11. a. Who owns the property at the point of diversion? Applicant

b. Who owns the land to be irrigated or place of use? Applicant

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

12. Remarks: This application seeks groundwater for use in a cooling system used to provide air conditioning for three buildings at Boise State University. The use was initiated in the 1960s and has been on-going since that time. Use is non-contact cooling, with discharge to the Boise River. Use is entirely non consumptive. Diversion rate is based on existing pump capacity and actual use. Water-bearing zone is 135 to 175 feet.

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

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

Boise State University

By Stacy Pearson 7/31/06
Stacy Pearson, Vice President, Finance and Administration

Received by SR Date 8/9/06 Time 11:30 Preliminary check by SR
Fee \$ 250 Receipted by SR # W034551 Date 8/9/06
Publication prepared by DB Date 4/24/2008 Published in IDAHO STATESMAN
Publication approved _____ Date 7 MAY 1 & 8, 2008

REPORT OF WELL DRILLER
State of Idaho

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

WELL OWNER:
Name Boise College - LIBERAL ARTS

Address College Blvd., Boise, Idaho

Owner's Permit No. _____

NATURE OF WORK (check): Replacement well ☐

New well ☒ Deepened ☐ Abandoned ☐

Water is to be used for: air conditioning

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒

Dug ☐ Other _____

(explain)

CASING SCHEDULE: Threaded _____ Welded ☒

10 "Diam. from 0 ft. to 130 ft.

_____ "Diam. from _____ ft. to _____ ft.

_____ "Diam. from _____ ft. to _____ ft.

_____ "Diam. from _____ ft. to _____ ft.

Thickness of casing: _____ Material: _____

Steel ☒ concrete ☐ wood ☐ other ☐

(explain)

PERFORATED? Yes ☒ No ☐ Type of perforator used: _____

Size of perforations: 1/16 " by 6 "

_____ perforations from 173 ft. to 263 ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

WAS SCREEN INSTALLED? Yes ☐ No ☐

Manufacturer's name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☒

No. ☐ size of gravel 3/4" agg. Gravel

placed from 160 ft. to 173 ft. Surface seal

provided? Yes ☐ No ☐ To what depth?

_____ ft. Material used in seal: hard shale

a hoe driven right into shale making seal.

Did any strata contain unusable water? Yes ☐

No. ☐ Type of water: _____

Depth of strata _____ ft. Method of sealing

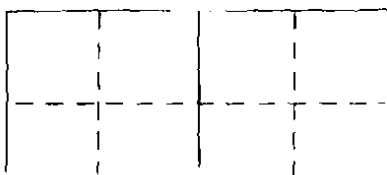
strata off: cased with clay seal on bottom

Set drive shoe in blue clay (shale)

Surface casing used? Yes ☐ No ☐

Cemented in place? Yes ☐ No ☒

Locate well in section



Size of drilled hole: 10" Total
depth of well: 173' Standing water
level below ground: 20' Temp.
Fahr. 55 ° Test delivery: 250 gpm
or _____ cfs Pump? ☐ Bail ☐

Size of pump and motor used to make test:

air compressor

Length of time of test: 6 Hrs. Min.

Drawdown: 31 ft. Artesian pressure: ft.

above land surface _____ Give flow _____ cfs

or _____ gpm. Shutoff pressure: _____

Controlled by: Valve ☐ Cap ☐ Plug ☐

No control ☐ Does well leak around casing? ☐

Yes ☐ No ☒

DEPTH		MATERIAL	WATER
FROM	TO		YES OR NO
0	3	top soil	no
3	33	gravel and boulders	no
33	90	muddy sand	yes
90	135	blue clay	no
135	170	gray sandy shale	no
170	172	coarse sand bottom	yes

Liner dropped down 5' during development. Water seems to be between two layers of shale. Blew out pocket at bottom and filled it with coarse gravel. Dropped small gravel around it. Coarse gravel gives liner foundation to set on.

Reproduced from the University archives
In Boise State University Library

Work started: 6-25-66

Work finished: 7-2-66

Well Driller's Statement: This well was

