

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.

Howard A. May

Howard A. May Superintendent

Oneida County School Dist. #351

(Applicant)

RECEIVED

FEB 17 1981

Department of Water Resources
Eastern District Office

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, }
County of Oneida } ss.

Carole A. Hummell

being duly sworn,
deposes and says: That she is the Secretary of THE
IDAHO ENTERPRISE, a weekly newspaper published at Malad,
in the County of Oneida and State of Idaho; that said paper has
been and is in general circulation in the county aforesaid, and in
the vicinity of Malad; that the advertisement, a copy of which is
attached hereto, was published in said newspaper once a week for
2 consecutive weeks in the regular and entire issue of said
paper during the period of time of publication, and was
published in the newspaper proper and not a supplement; that
said paper has been established and regularly published for more
than seventy-eight consecutive weeks prior to the date of first
publication of said advertisement.

Such notice was published in the issue beginning with
February 5, 1981, and ending

with the issue of February 12, 1981
Carole Hummell

Fee \$ 15.41

Subscribed and sworn to before me this 12 day
of Feb., 1981.

Cindy Williams
Notary Public, Residing at Malad, Idaho

My Commission Expires Life, 19

Legal Notices

NOTICE OF APPLICATION
FOR WATER RIGHT
NOTICE IS HEREBY GIVEN
that the following application
has been submitted for permit to
appropriate the public waters of
the State of Idaho:

No. 15-7067

ONEIDA SCHOOL DISTRICT
NO. 351
250 WEST 400 NORTH, MALAD,
ID 83252

Source: GROUNDWATER

Date Filed: 01-21-1981

Amount: 0.33 CFS

Diversion Point: SWNE Sec. 27
T 14S R 36E, ONEIDA Co.

Use: HEATING (0.33 CFS) from
09-01 to 05-31

Place of Use: SENW Sec. 27 T
14S R 36E

Diversion Means: WELL &
PUMP.

If issued, the permit will be
subject to all prior water rights.
Protests against the granting of
any permit must be filed with
the Director of the Idaho Depart-
ment of Water Resources, 150
Shoup Ave., Idaho Falls, Idaho
83401 on or before FEBRUARY
23, 1981.

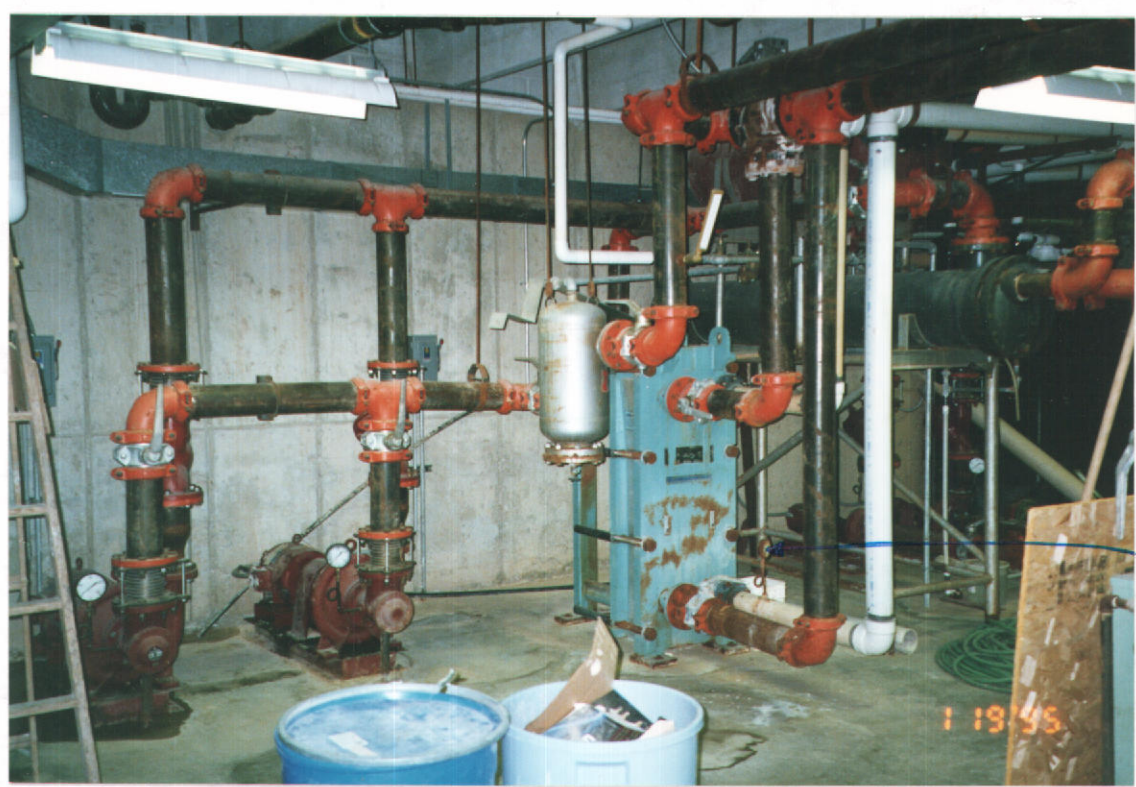
C. STEPHEN ALLRED
Director

Published 2-5 & 2-12-81

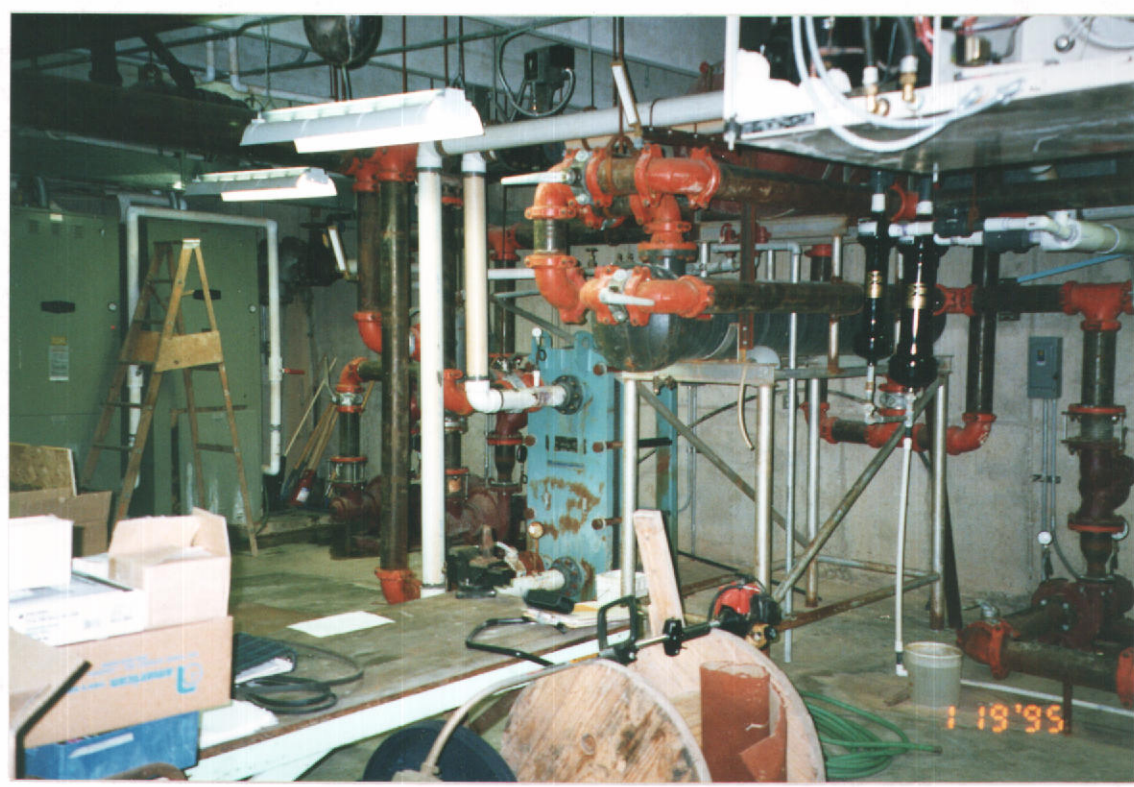
2-5-12 t2
lines: 35

ok kw
2/18/81

HIGH SCHOOL HEAT/COOLING SYSTEM
WHITE PVC PIPING IS CLOSED SYSTEM



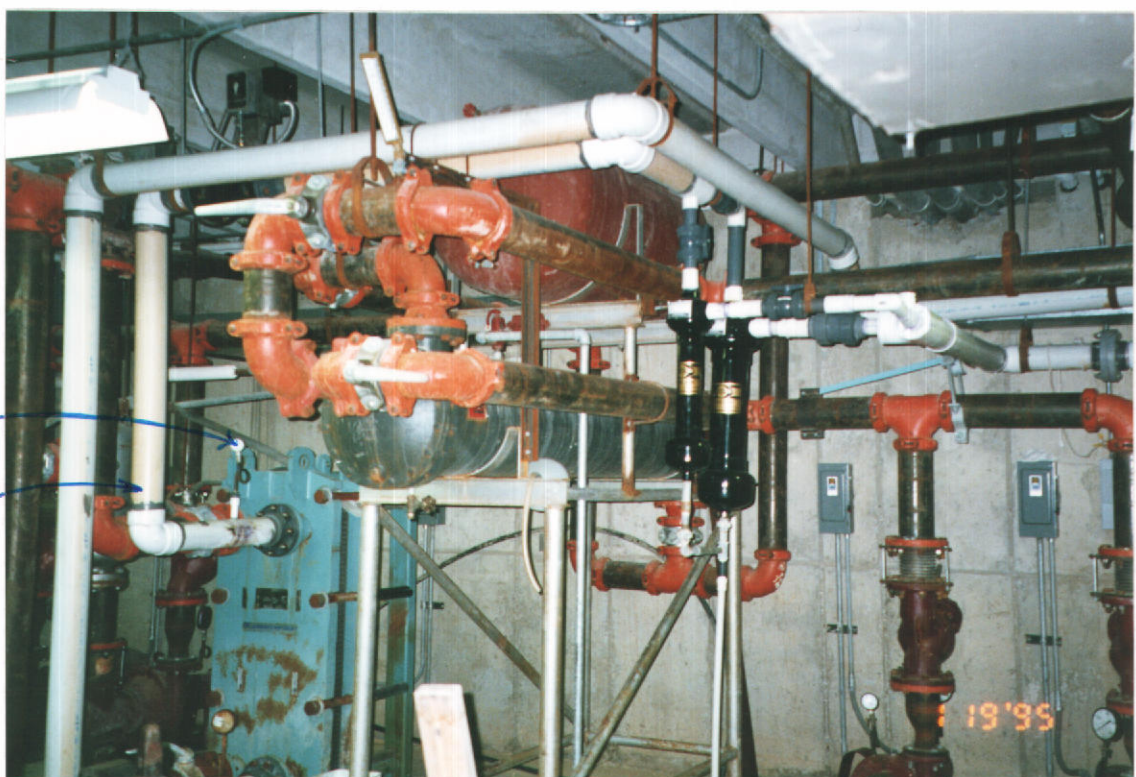
OUTSIDE
PRESSURE
646 E



MICROFILMED 15-7067
JAN 22 1997

HIGH SCHOOL HEAT/COOLING SYSTEM
WHITE PVC PIPING IS CLOSED SYSTEM

PRESSURE
GAGE
INCOMING
FROM
ARTESIAN
WELL

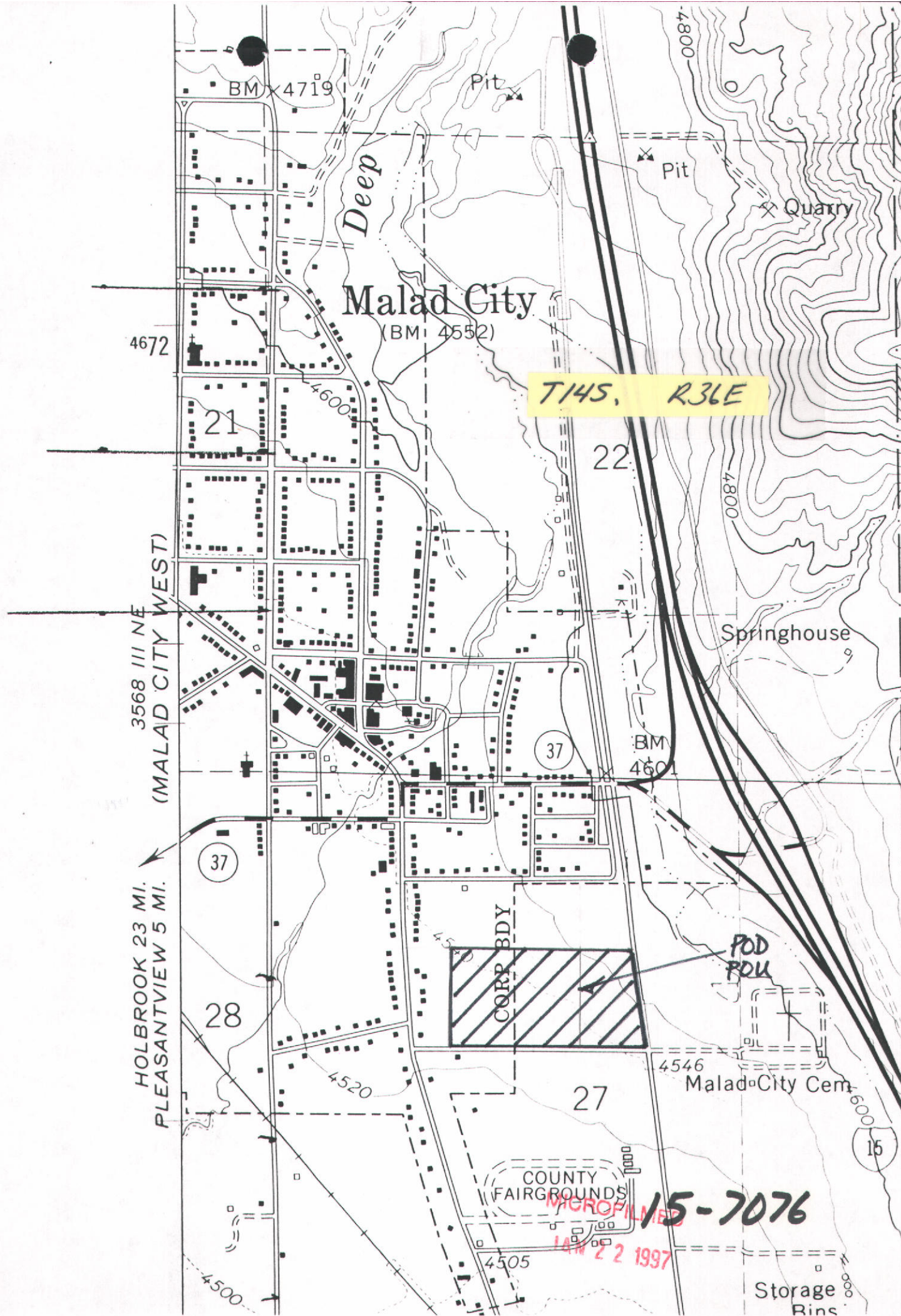


↑
OUT TO INJECTION WELL

↑
SAND-TRAP REMOVAL
FROM INCOMING WELL



15-2067
MICROFILMED
JAN 22 1997



T145 R36E

32.2
NH EL NW

T906

189
NH EL NW

12.4

T1043

T928

9.3

ARTESIAN WELL
POINT OF DIVERSION

PLACE OF USE
INJECTION WELL
UNDER PACKING
LOT

MICROFILMED
JAN 22 1997

531

NH EL NW

30.7

T931

21.7

24.2

13.1

15-7067

T930

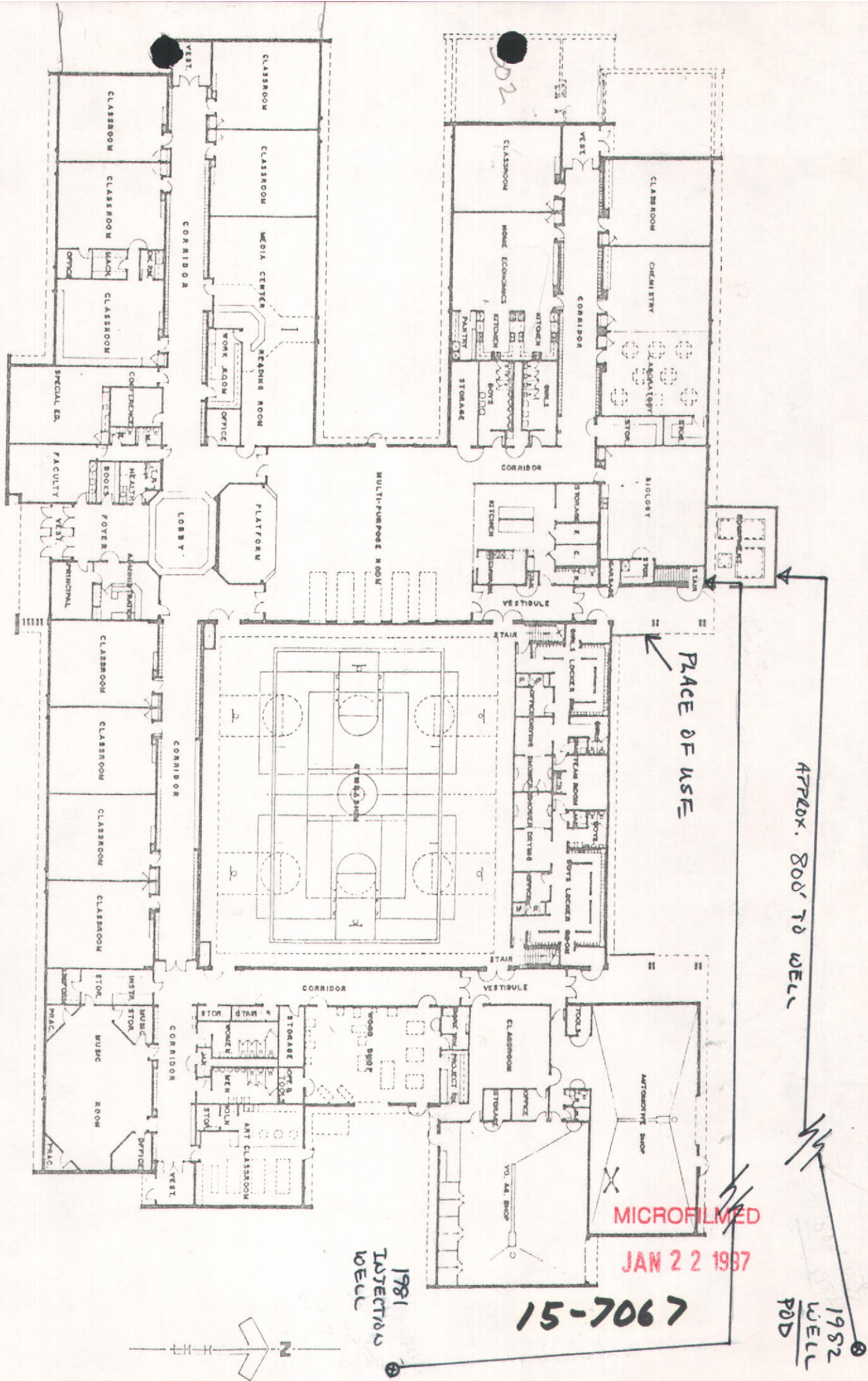
T932

EL NW
24.0

MALAD HIGH SCHOOL

SCALE: 1/8" = 1'-0"

MAX L. CALL
& ASSOCIATES
ARCHITECTS



12'30"

16

15

14

13

#15-7067

Little

Valley

Malad City

(BM 4532)

21

22

23

24

3568 III NE
(MALAD CITY WEST)
HOLBROOK 23 MI.
PLEASANTVIEW 5 MI.

Springhouse

Mable

Hollow

Spring

T14S

CORBY

Malad City Cem

COUNTY FAIRGROUNDS

Storage Bins

R36E

Sewage Disposal Ponds

Borrow Pits

Twomile

Twomile

Creek

MALAD

MICROFILMED
JAN 22 1997

BOUNDARY

N.A.

T. 14 S.

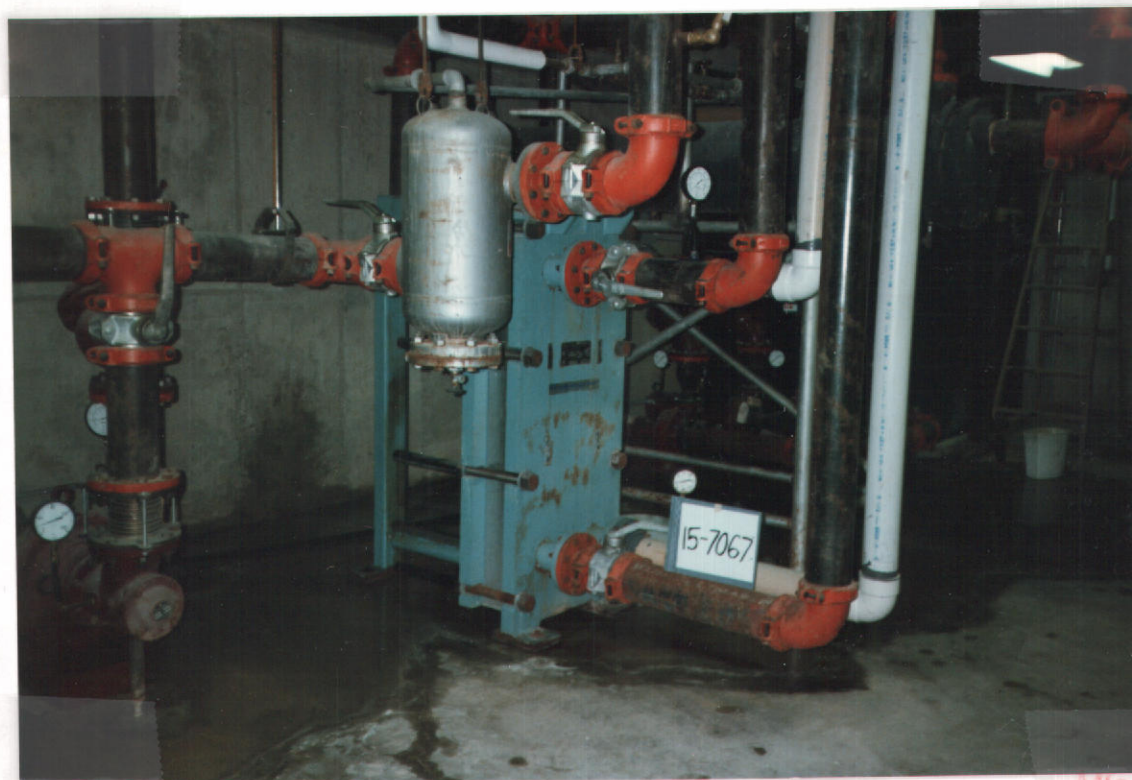
T. 15 S.



15-7067

MICROFILMED
JAN 22 1997

#15-7067



MICROFILMED
JAN 22 1997

CALCULATED DIMENSION NOT FIXED

DESIGNED, CONSTRUCTED AND NAT'L BOARD
STAMPED IN ACCORDANCE WITH A.S.M.E. CODE
SECTION VIII, 1980 EDITION

DESIGN PRESS 125 P.S.I.
TEST PRESS 188 P.S.I.
DESIGN TEMP. 240 °F
HEATING SURFACE 124.97 Sq. Ft.
EST. WEIGHT 2700 Lbs.

MATERIALS

PLATES (27) MAT'L 304 S/S THK. 0.6 mm
FLANGES SA-105
COVERS SA-515-70
* COVER BOLTS 2.6" LG. SA-193-B7
NUTS SA-194-2H
GASKETS NITRILE
* CARRYING BARS 39 3/4" LG. SA-36
SA-479-304

NOTES

- * CAPACITY FOR 39 PLATES
- 1. BOLT HOLES TO STRADDLE MAIN CENTER LINE
- 2. SAND BLAST ALL CBN. STL. PARTS AND PRIME WITH CENTRIBLUE EPOXY PRIMER PER QA-110 AND FINISH WITH CENTRIBLUE PAINT PER QA-111
- 3. TOLERANCE $\pm .125$
- 4. UNIT PROVIDED WITH A PROTECTIVE SHROUD
- 5. DWG. SCALE $\frac{1}{16} = 1"$

NOZZLE SCHEDULE

ALL CS PIPE SA-106B SCH. 40
ALL FITTINGS SCH.
ALL PIPE SCH.
ALL FITTINGS SCH.

T4					
T3					
T2					
T1					
S4	4"	150"	RF	C.S. OUTLET	CS
S3	4"	150"	RF	C.S. INLET	CS
S2	4"	150"	RF	H.S. OUTLET	CS
S1	4"	150"	RF	H.S. INLET	CS
LOC	SIZE	RATED	FACING	FUNCTION	MAT'L

CUSTOMER:

GRITTON & ASSOCIATES

P.O. NO. 498

ITEM NO.

TITLE
AM-10 S

DWN. SSA

DATE 12/17/80

ASSEMBLY DWG.

CHK'D PID

DATE 12/17/80

APP'D PID

DATE 12/17/80

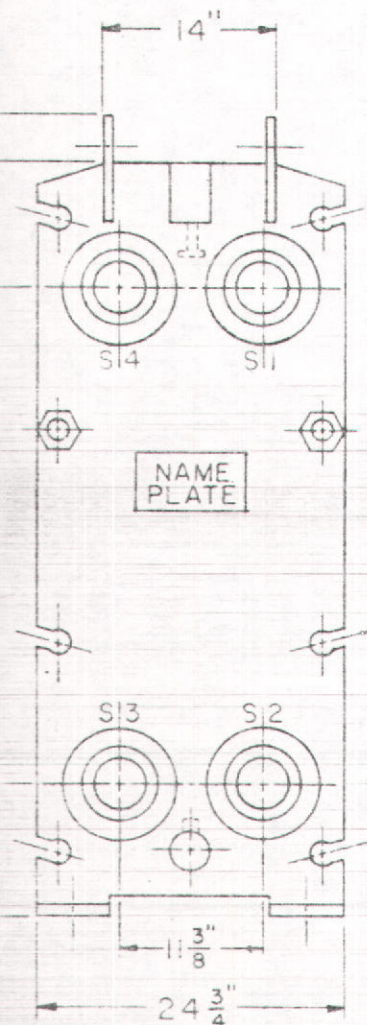
AMERICAN HEAT DIVISION
OF ALFA-LAVAL THERMAL
SOMERVILLE, N.J.

DWG. NO.

978339-450

HR-1410

MD-0510



MICROFILMED

IAN 2 2 1997

B.			
A.			
DATE	SYM	REVISION	DATE

DHW 78-781
COPY DISTRIBUTION
White - PWS Owner
Canary - H&W Region/District
Pink - H&W Region/District
Goldenrod - Laboratory

State of Idaho
DEPARTMENT OF HEALTH & WELFARE
WATER QUALITY REPORT
INORGANIC CHEMICAL CONTAMINANTS
Drinking Water Systems
(See Instructions on Back of Form)

AUG 8 1978
LAB NAME (Check One)
☐ Boise
☐ Coeur d'Alen
☐ Pocatello

Name of Water System		County	Date Collected (10-15)		Office Use Only	
		Blaine			PWS ID (1-7)	
REPORT RESULTS TO:			Mo	Day	Yr	
Full Name			Time Collected (16-19)		(20) Circle One	
Address					AM	
City			Collected By		LID	Trans Code (8-9)
State					0 0 2 0 0 0 3	
Zip Code						
Sample Location			Container Type		Preservative Used	
			☐ Glass ☐ Plastic		☐ None ☐ Nitric Acid ☐ Sodium Hydroxide ☐ Sulfuric Acid ☐ Other	
Sample Type (Check One)						
☐ D - REG. DISTRIBUTION ☐ C - CHECK ☐ P - PLANT TAP ☐ R - RAW WATER ☐ S - SPECIAL						

COMMON CHEMICAL CONTAMINANTS

▼ Check Desired Analysis			PRIMARY										Office Use Only			
ID (25-28)	CONTAMINANT NAME Maximum Allowable Level	Method (29-31)	ANALYSIS RESULTS* (32-39)				Analysis Date (40-45) Mo Day Yr			Analyst Initials	LAB NAME	LAB ID (46-50)				
1005	Arsenic .05	12				013		7	28	78						
1010	Barium 1	101				7		7	28	78						
1015	Cadmium .010	125				010		7	28	78						
1020	Chromium .05	125				501		7	28	78						
1025	Fluoride 1.4-2.4	115				026		7	28	78						
1030	Lead .05	125				501		7	28	78						
1035	Mercury .002	103				0011		7	28	78						
1040	Nitrate (As N) 10	109				05		0.7	177	8						
1045	Selenium .01	125				005		7	28	78						
1050	Silver .05	125				0016		7	31	78						
1024	Cyanide .2	111														

Check Desired Analysis										SECONDARY										Check Desired Analysis										OTHER									
ID				CONTAMINANT NAME Maximum Limit				Method		ANALYSIS RESULTS*						ID				CONTAMINANT NAME				Method		ANALYSIS* RESULTS													
1	0	1	7	Chloride	250	1	5	3								1	9	2	7	Alkalinity (Total)	1	5	7																
1	9	0	5	Color (C.U.)	15 units	1	2	9								1	0	0	3	Ammonia (As N)	1	4	7																
1	0	2	2	Copper	1	1	0	1								1	0	1	6	Calcium	1	4	1																
1	0	2	7	Hydrogen Sulfide	.05	1	5	5								1	9	1	5	Hardness (as CaCO ₃)	1	4	1																
1	0	2	8	Iron	.3	1	0	1								1	0	3	1	Magnesium	1	0	1																
1	0	3	2	Manganese	.05	1	0	1								1	9	2	5	pH (pH units)	1	3	5																
1	9	2	0	Odor No. (T.O.)	3	1	3	3								1	0	4	2	Potassium	1	0	1																
2	9	1	0	Phenols	.001	2	0	9								1	0	4	9	Silica	1	4	3																
1	0	5	5	Sulfate	250	1	3	7								1	0	5	2	Sodium	1	0	1																
2	9	0	5	Surfactants	.5	2	0	7								1	9	2	6	Spec. Cond. Umhos/cm	1	4	5																
1	9	3	0	Total Dissolved Solids	500	1	3	9																															
1	0	9	5	Zinc	5	1	0	1																															
																					</																		



Figure 1: Hot Spring conduit within Mr. Reed M. Smith's property (S.27 T.14N. R.36E.), Malad Valley, Idaho. This is the site of Samples 1, 2, 3, 4 and 17. The sedimentary rock capping the edge of the conduit is travertine (CaCO_3). Radioactive values above background but no uranium have been encountered here.

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 15-07067

Priority: January 21, 1981

Maximum Diversion Rate: 0.33 CFS

Maximum Diversion Volume: 69.3 AF

This is to certify, that SCHOOL DISTRICT NO 351

250 W 400 N

MALAD ID 83252

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated January 21, 1981; and has submitted Proof of Beneficial Use on March 27, 1987. An examination indicates that the works have a diversion capacity of 0.330 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>
HEATING	09/01 to 05/31	0.33 CFS	69.3 AF

LOCATION OF POINT(S) OF DIVERSION:

SENE, Sec. 27, Township 14S, Range 36E
ONEIDA County

PLACE OF USE: HEATING

TWN RGE SEC

14S 36E 27

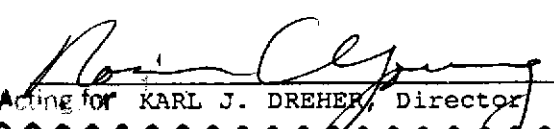
SENE

CONDITIONS OF APPROVAL AND REMARKS

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Use of water under this right shall be non-consumptive.
6. The right holder shall maintain a valid permit for underground injection of all the water diverted under this right.
7. Heating use is for Malad High School.

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 21st day of JANUARY, 1997.

MICROFILMED


Acting for KARL J. DREHER, Director

RECEIVED

JAN 06 1997

State of Idaho
Department of Water Resources

Department of Water Resources

APPLICATION FOR AMENDMENT

(For Licensing Purposes)

WATER RIGHT NO. 15-07067

Date of Priority: January 21, 1981

Maximum Diversion Rate:

0.33 CFS

Maximum Diversion Volume:

69.3 AF

Comes now

SCHOOL DISTRICT NO 351

250 W 400 N

MALAD ID 83252

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 15-07067, and requests that the permit be changed as follows:

Source: GROUNDWATER

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
HEATING	09/01 to 05/31	0.33 CFS	69.3 AF

LOCATION OF POINT(S) OF DIVERSION:

SENW , Sec. 27, Township 14S, Range 36E
ONEIDA County

PLACE OF USE: HEATING

TWN RGE SEC

14S 36E 27

SENW

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at Malad, ID, this 3rd day of January, 19 97.

MICROFILMED

(Signature)

JAN 22 1997

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 15-07067

FOR DEPARTMENT USE ONLY

Preliminary check by — Fee = 50.⁰⁰ Received by KLT # C037618 Date 1/16/97

ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, Karl J. Dreher, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 15-07067 with the following;

CONDITIONS OF APPROVAL AND REMARKS

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Use of water under this right shall be non-consumptive.
6. The right holder shall maintain a valid permit for underground injection of all the water diverted under this right.
7. Heating use is for Malad High School.

Witness my hand this 21st day of JANUARY, 1997.


Acting for KARL J. DREHER, Director

MICROFILMED
JAN 22 1997

RECEIVED

MAR 12 1987

no ✓ enc. 97
Department of Water Resources

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

For Office Use Only

Fee Received \$100.00

Date 3-27-87

Receipt # 44609

Receipt by [signature]

Reviewed by [signature]

Sent to region 3857

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. 15-7067

Name(s) of Permit Holder: ONEIDA SCHOOL DIST #351

Post Office Address: 250W 400N, MALAD, IDAHO 83252

Telephone No. 766-2255

Source of Water: WELL

Extent of Use:

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

Irrigation (acres) Other/Remark HEAT FOR HIGH SCHOOL

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

Show the date water was first diverted and beneficially used under this permit: Sept 1980

Measuring Device: Required? Yes No
Installed? Yes No

Fee enclosed \$ 100.00
(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:

Howard A. May, Supt 766-2255
(Name) (Telephone Number)

250W 400N, MALAD, IDAHO 83252
(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.

MICROFILMED

3/9/87
Date

Howard A. May
Signature of Permit Holder (and title, if appropriate) APR 10 1987

BEFORE THE DIRECTOR OF THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF PROTESTS AGAINST APPROVAL	)	ORDER ADOPTING
OF APPLICATION FOR PERMIT NO. 15-7067 IN	)	PROPOSED MEMORANDUM DECISION
THE NAME OF ONEIDA SCHOOL DISTRICT NO. 351	)	AND ORDER

WHEREAS, A. Kenneth Dunn, Director of the Department of Water Resources having issued and served a copy on the parties thereto on February 24, 1982, a Proposed Memorandum Decision and Order in the above-captioned matter, pursuant to Section 67-5211, Idaho Code; and,

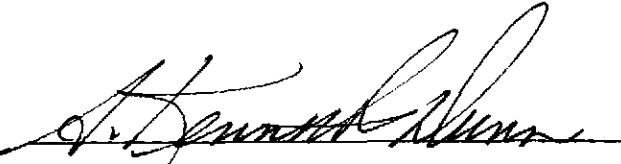
WHEREAS, more than fifteen days have passed since the service of the Proposed Memorandum Decision and Order; and,

WHEREAS, no exceptions to that Proposed Memorandum Decision and Order have been received;

IT IS, THEREFORE, HEREBY ORDERED That said Proposed Memorandum Decision and Order be adopted as the Final Decision and Order of the Department with the following additional conditions of approval:

1. That proof of construction of works and application of water to beneficial use be submitted on or before May 1, 1987.
2. Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is completed.

Dated this 21 day of May, 1982.


A. KENNETH DUNN
DIRECTOR

MICROFILMED

STATE OF IDAHO

PROPOSED MEMORANDUM DECISION

AND ORDER

for the heating of the new high school.

M. Smith on behalf of Magic Gas Company, Inc.

Fact, Conclusions of Law, and Order.

FINDINGS OF FACT

entitles them to appropriate 0.223 cubic feet per second from a ground-water source within the SE1/4SW1/4, Sec. 27, Twp. 14S, Rge. 36E, B.M. for a public bathing facility within that location. This location is approximately

one-half mile to the southwest of the well site proposed by Oneida School District No. 351.

2. The water diverted by the school district would be circulated through a heat pump system and reinjected into a well located approximately 475 feet from the production well. At peak demand, approximately 150 gallons per minute would be pumped and reinjected with an approximate ten degree temperature drop between production and reinjection. The school district anticipates no water demand for air-conditioning during the summer.

3. Pump testing of a well drilled by the applicant to be used for the project proposed by Application for Permit No. 15-7067 affected the flow rate from the spring/artesian well owned by the protestant indicating a hydraulic connection between the warm water source sought to be appropriated and that being used by the protestant.

CONCLUSIONS OF LAW

1. The water available to prior existing water rights will not be reduced if the water diverted for the project proposed by Application for Permit No. 15-7067 is returned undiminished in quantity to the aquifer from which it was diverted.

2. Application for Permit No. 15-7067 can be approved with conditions to prevent injury to the prior water rights of the protestant.

3. The applicant is entitled to a permit from the Department of Water Resources.

ORDER

IT IS, THEREFORE, HEREBY ORDERED and Application for Permit No. 15-7067 is APPROVED subject to the following conditions:

1. Subject to all prior existing water rights.

2. That the applicant obtains and maintains a valid permit for underground injection of all the water diverted under water right Application for Permit No. 15-7067.

3. That the diversion in use be nonconsumptive using a closed system design.

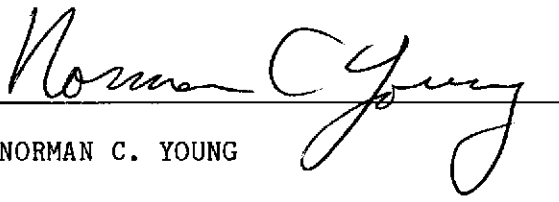
4. That all waters diverted under Application for Permit No. 15-7067 be reinjected directly to the aquifer from which it was diverted.

5. That the director of the Department of Water Resources retain jurisdiction of Application for Permit No. 15-7067 to insure that the right of

the protestant and all other prior right holders are not adversely affected.

6. That proof of construction of works and application of water to beneficial use be submitted on or before the date indicated on the Final Decision and Order.

Dated this 18TH day of FEBRUARY 1982.


NORMAN C. YOUNG
Hearing Officer

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Oneida School Dist. #351 Phone (208) 766-2255

Post office address 250 W. 400 N., Malad, ID 83252

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

3. Location of point of diversion is SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 27 Township 14S

Range 36 E.B.M. Oneida County, additional points of diversion if any: _____

*See remarks, Item 10

4. Water will be used for the following purposes:

Average 30 GPM heating new high school
Amount 0.33 for _____ purposes from Sept. 1 to May 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:

Average 30 GPM - Range of usage 150 GPM to 0

a. .07 cubic feet per second and/or b. _____ acre-feet per annum.
allow .33 cfs as per tel/con HWJ 1/26/81

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Well will be dug to depth of 800'
plus - water will be pumped through school system and reinjected into
second well

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

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

c. Proposed well diameter is 6 inches; proposed depth of well is 800+ feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial
use is 5 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: SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 27 Township 14S
Range 36 E. B.M.

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

(3) List number of each kind of livestock to be watered None

(4) Name of municipality to be served Oneida School Dist. #351 or number of families to be
supplied with domestic water none.

(5) If water is to be used for other purposes describe: Water will be used to supply heat
for new high school. Heat pumps will be used to extract heat.

V/N Total number of acres to be irrigated
$$\frac{V}{N}$$

- applicant to make this filing.

VN

10. Remarks Location - a parcel of land located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$, and SW $\frac{1}{4}$ NE $\frac{1}{4}$.

Section 27, T. 14 S., R. 36 E. B. M., Oneida County, Idaho, more

particularly described as follows: Commencing at the NW corner of

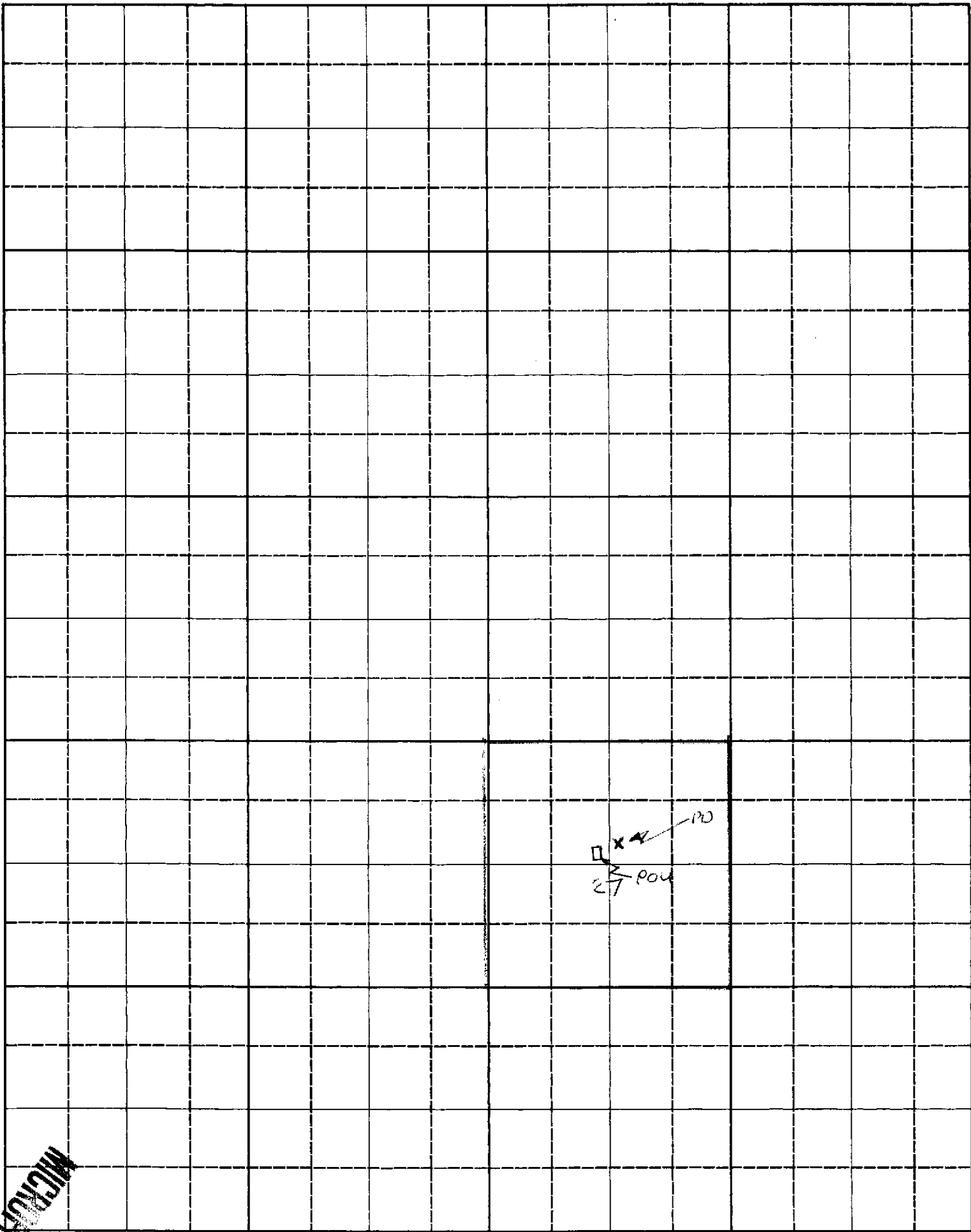
Section 27: fence S 0 28.4/ " E 1460.94 ft. along the west line of

SECTION 27: CHANCE N. 89 39.34 E. 1018.09 ft. to the true point of

7°-46.13" E 270-27 ft. fence South

[illegible][illegible]

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.

Howard A. May
Howard A. May Superintendent
Oneida County School Dist. #351
(Applicant)

MICROFILMED

Director

[Signature]

Witness my hand this 21 day of May, 19 82.

PROPOSED MEMORANDUM DECISION AND ORDER

- d. Other: PURSUANT TO PROPOSED MEMORANDUM DECISION AND ORDER ADOPTING
- 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.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before May 1, 19 87.
- a. SUBJECT TO ALL PRIOR WATER RIGHTS.

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

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 15-7067, and said application is hereby APPROVED.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

Received by BPS Date 1/31/81 Time _____
Preliminary check by _____ Fee \$ 45.00
Received by [Signature] Date 1/28/81 # 17001
Publication prepared by _____ kw _____ Date 1/30/81
Published in _____ Idaho Enterprise
Publication dates 1/5 & 1/12/81
Publication approved _____ Date _____
Protests filed by: Red M. Smith & Magic Star Co.
Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by _____

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF PROTEST AGAINST APPROVAL
OF APPLICATION FOR PERMIT NO. 15-7067 IN
THE NAME OF ONEIDA SCHOOL DISTRICT NO. 351

CERTIFICATE OF MAILING

I HEREBY CERTIFY That on this 3rd day of June, 1982, a true and correct copy of the foregoing ORDER ADOPTING PROPOSED MEMORANDUM DECISION AND ORDER, was mailed postage prepaid to:

Oneida School District No. 351
c/o Howard May, Superintendent
250 W. 400 N.
Malad, ID 83252

E. L. Scott
P. O. Box 145
Malad, ID 83252

E. G. Crosthwaite
8821 Churchill Road
Boise, ID 83709

Reed M. Smith, President
Magic Gas Co., Inc.
P. O. Box 183
Malad City, ID 83252



RITA I. FLECK
Sr. Secretary
Idaho Department of Water Resources

MICROFILMED

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF PROTEST AGAINST APPROVAL)
)
OF APPLICATION FOR PERMIT NO. 15-7067 IN) CERTIFICATE OF MAILING
)
THE NAME OF ONEIDA SCHOOL DISTRICT No. 351)
_____)

I HEREBY CERTIFY That on this 24th day of February, 1982,
a true and correct copy of the foregoing ORDER ISSUING PROPOSED
DECISION and PROPOSED MEMORANDUM DECISION AND ORDER were mailed,
postage prepaid to:

Oneida School District No. 351
c/o Howard A. May, Superintendent
250 W. 400th, Malad, ID 83252

E. L. Scott
P. O. Box 145
Malad, ID 83252

E. G. Crosthwaite
8821 Churchill Road
Boise, ID 83709

Reed M. Smith, President
Magic Gas Co., Inc.
P. O. Box 183
Malad City, ID 83252



RITA I. FLECK
Sr. Secretary

MICROFILMED

BEFORE THE DIRECTOR OF THE DEPARTMENT
OF WATER RESOURCES OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR)
)
PERMIT NO. 15-7067 IN THE NAME OF)
)
ONEIDA SCHOOL DISTRICT NO. 351)
_____)

ORDER ISSUING
PROPOSED DECISION

A. Kenneth Dunn, Director of the Department of Water Resources, having reviewed the attached proposed decision prepared by his appointee, Norman C. Young, who conducted the hearing or who has read the record in this case, hereby approves the same as a proposal for decision pursuant to Idaho Code, § 67-5211 and orders that said proposed decision and a copy of this order be served upon each of the parties to these proceedings who appeared at the hearing on June 9, 1981, of this matter or upon their attorneys in accordance with Rule 7.3 of the Rules of Practice and Procedure of this Department.

Each party to these proceedings who appeared at the hearing is hereby afforded the opportunity, pursuant to Idaho Code §§ 42-1701A and 67-5211, to file exceptions to the attached proposed decision and to present briefs and oral arguments in accordance with the provisions of this order. Exceptions may not be filed and briefs and oral arguments may not be presented by parties who did not appear at the hearing of this case. If no timely and proper exceptions are received, an order by the Director will be entered adopting and issuing the proposed decision as his final decision.

I.
EXCEPTIONS

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

1. be received by the Director on or before the 15th day following the day of service of this Order and the proposed decision, and
2. specifically identify the portions of the proposed decision to which exceptions are made and specifically state the grounds for those exceptions.

B. Exceptions not in compliance with the above stated requirements will not be considered and will be deemed an acceptance of the proposed decision.

II.
BRIEFS

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

B. Any party desiring to file a brief in response to any exceptions filed by any other party may do so by filing such brief with the Director on or before the 15th day following the last day any exceptions by any other party were served upon that party desiring to respond.

MICROFILMED

Department of Water Resources

Director

A. KENNETH DUNN

DATED this 17th day of February, 1982.

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

FINAL DECISION

V.

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

CERTIFICATION OF SERVICE

IV.

C. Oral arguments before the Director on exceptions to the proposal for decision shall be heard at the discretion of the Director, pursuant to Idaho Code § 42-1701A. After all exceptions, briefs and requests for oral arguments have been received, the Director will decide whether to hear oral arguments. If oral arguments are to be heard, the Director will, within a reasonable time, set the case for oral arguments and notify each party of the place, date and hour the oral arguments will take place and of the period of time allocated for the arguments of this case. Unless the Director orders otherwise, all oral arguments shall be heard in Boise, Idaho.

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

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

ORAL ARGUMENTS

III.

RECEIVED

FEB 17 1981

Department of Water Resources
Eastern District Office

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO,

ss.

County of Oneida

Carole A. Hummell

being duly sworn,
deposes and says: That she is the Secretary of THE IDAHO ENTERPRISE, a weekly newspaper published at Malad, in the County of Oneida and State of Idaho; that said paper has been and is in general circulation in the county aforesaid, and in the vicinity of Malad; that the advertisement, a copy of which is attached hereto, was published in said newspaper once a week for 2 consecutive weeks in the regular and entire issue of said paper during the period of time of publication, and was published in the newspaper proper and not a supplement; that said paper has been established and regularly published for more than seventy-eight consecutive weeks prior to the date of first publication of said advertisement.

Such notice was published in the issue beginning with

February 5, 1981, and ending

with the issue of February 12, 1981

Carole Hummell

Fee \$ 15.41

Subscribed and sworn to before me this 12 day

of Feb. 1981

Cindy Williams

Notary Public, Residing at Malad, Idaho

My Commission Expires Life, 19

Legal Notices

**NOTICE OF APPLICATION
FOR WATER RIGHT
NOTICE IS HEREBY GIVEN**
that the following application has been submitted for permit to appropriate the public waters of the State of Idaho:

No. 15-7067

ONEIDA SCHOOL DISTRICT
NO. 351
250 WEST 400 NORTH, MALAD,
ID 83252

Source: GROUNDWATER

Date Filed: 01-21-1981

Amount: 0.33 CFS

Diversion Point: SWNE Sec. 27

T 14S R 36E, ONEIDA Co.

Use: HEATING (0.33 CFS) from
09-01 to 05-31

Place of Use: SENW Sec. 27 T
14S R 36E

Diversion Means: WELL &
PUMP.

If issued, the permit will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 150 Shoup Ave., Idaho Falls, Idaho 83401 on or before FEBRUARY 23, 1981.

C. STEPHEN ALLRED

Director

Published 2-5 & 2-12-81

2-5-12 12

Pages: 35

ad. k. w.
2/18/81



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

January 21, 1997

SCHOOL DISTRICT NO 351
250 W 400 N
MALAD ID 83252

RE: WATER RIGHT NO. 15-07067

Dear Water Right Holder(s):

Enclosed is a copy of the Water Right License issued on the above referenced permit along with a copy of your approved Application for Amendment. Should you have any questions regarding these documents, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Shelley W. Keen".

Shelley W. Keen
Water Rights Supervisor

SK:ph

Enclosure

1/20/97 11:55

1/20/97 11:55



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

January 7, 1997

SCHOOL DISTRICT NO. 351
250 W 400 N
MALAD ID 83252

RE: APPLICATION FOR AMENDMENT FEE

Dear Water Right Holder(s):

I have received your Application for Amendment of Water Right No. 15-07067. However, I have not received the required application fee of \$50.00.

I will hold your amendment for thirty (30) days. If I do not receive the filing fee within that time, I will assume that you no longer have an interest in pursuing the license, and steps will be taken to void your permit.

If you have any questions, please contact me. My telephone number is (208) 327-7946.

Sincerely,

A handwritten signature in cursive script that reads "Shelley W. Keen".

Shelley W. Keen
Water Rights Supervisor

SWK:ph

(208) 327-7946



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

December 17, 1996

SCHOOL DISTRICT NO 351
250 W 400 N
MALAD ID 83252

RE: WATER RIGHT NO. 15-07067

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to depict your water right as it has actually been developed.

The enclosed Application for Amendment contains information that will be included on the license when it is issued. The amendment reflects a change in the location of the point(s) of diversion. Please review carefully and if you concur, sign the amendment and return with the \$50.00 filing fee within 14 days.

The last page of the Application for Amendment form contains a list of Conditions of Approval and Remarks proposed for the license when it is issued. These conditions of approval and remarks may be modified upon further administrative review.

If you do not concur, or if you have any questions about this information, please contact me as soon as possible. My telephone number is (208) 327-7946.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:ph

Enclosure

RECEIVED

DEC 21 1996

MEMORANDUM

TO: File 15-07067

FROM: Sharla

DATE: December 13, 1996

RE: Recommendation Adjustment(s)

The final license recommendations for Right 15-07067 are based on the following:

H. RECOMMENDATIONS

Heating	9/1 - 5/31	0.33 cfs	69.3 afa
---------	------------	----------	----------

Heating use requires an annual volume. Using 212 days as the basis for use when heating would probably be required out of the season of use identified, and figuring the use for 12 hrs/day yields a volume of 71.1 afa. However, the volume in this case is limited by the rate of flow (.33 X 212 days @ 12 hrs/day = 69.3 afa.

Well logs have been placed in the file for the water use well and the injection well. Helen Harrington confirmed there is a valid injection well permit (No. 15-W-1) which expires 6/30/97. She states that injection well permits are usually approved for 5 year periods.

Examiner: Don Simpkins

Exam Date: January 20, 1995

15-07067-10

15-07067-10

LICENSE REVIEW CHECKLIST

PERMIT NO. 15-07067

DATE 10/30/96

REVIEWER: S H A R L A

NAME	Change <u>—</u>	OK <u>✓</u>	Address Change <u>—</u>
SOURCE	<u>—</u>	<u>✓</u>	Is change/clarification of originally intended source? <u>—</u> If not, prepare Notice of Intent to Void <u>—</u>
POINT OF DIV	<u>✓</u>	<u>—</u>	Amendment required <u>yes</u>
PLACE OF USE	<u>—</u>	<u>✓</u>	Amendment required <u>NO</u>

Does map agree with written description? ✓ yes — no

OVERLAPS — P/D — P/U

RATE OF DIV

Permitted Rate	<u>.33</u>	cfs
Fee limit	<u>1.0</u>	cfs \$100 ⁰⁰
Measured	<u>1.46</u>	cfs
Theoretical	<u>—</u>	cfs <u>artesian</u>

Recommended Total Div Rate .33 cfs

ANNUAL VOLUME/ NATURE OF USES

<u>✓</u>	Use <u>Heating</u>	Volume Calculation <u>~~66.4~~</u> af
		<u>71.1</u> af
		<u>—</u> af
		<u>—</u> af
	SUBTOTAL	<u>—</u> af

Season = 9/1-5/31 = 272 days
212 reasonable when heat would be used
x 12 hrs/day

Flow rate .33 cfs X 212 days X 1,984 = 69.3 af

Total volume recommended ~~66.4~~ af
 (SUBTOTAL or Flow Rate, whichever is less) 69.3

*order cond #4
complied w/*

REMARKS

Heating use is for Malad H.S.
Injection well permit expires 6/30/97
(15-W-1)

CONDITIONS — Watermaster Control WD# —
— GW Measurement/Measuring Device
— Overlap
— Use-specific conditions 027

Advancement of Priority Date Required — yes ✓ no

SRBA Claim Filed NA
 Adjustment Memo volume

1st Amend Letter P39, P38
 2nd Amend Letter P47

WELL DRILLER'S REPORTState 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 ONEIDA School Dist 357Address MALAD IDAHO

Owner's Permit No. _____

7. WATER LEVELStatic water level 28 feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ PlugTemperature 72 °F. Quality _____**2. NATURE OF WORK**

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

8. WELL TEST DATA

- ☐
- Pump
- ☐
- Bailer
- ☒
- Air
- ☐
- Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>APPROX 100</u>		<u>4</u>

3. PROPOSED USE

- ☐
- Domestic
- ☐
- Irrigation
- ☒
- Test
- ☐
- Municipal
-
- ☐
- Industrial
- ☐
- Stock
- ☐
- Waste Disposal or Injection
-
- ☐
- Other _____ (specify type)

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water Yes/No
	From	To		
6	0	245	UNKNOWN	
	245	275	SANDY CLAY	✓
	275	315	SAND & GRAVEL	✓
	315	415	CLAY & SAND	✓
	415	445	SAND	✓
	445	475	HARD WHITE	
	475	620	LIME STONE	✓
			LIMESTONE WITH BLACK ROCK IN IT. APPROXIMATELY 20% @ 72" WATER	✓

4. METHOD DRILLED

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

5. WELL CONSTRUCTIONCasing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
250 inches	6 inches	12 feet	445 feet
		feet	feet
		feet	feet
		feet	feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

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

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel pack? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth _____ Material used in seal: ☐ Cement grout☐ Pudding clay ☐ Well cuttingsSealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☐ Overbore to seal depthMethod of joining casing: ☐ Threaded ☐ Welded ☐ Solvent☐ Cemented between strata

Describe access port _____

Not started well Begin**6. LOCATION OF WELL**

Sketch map location must agree with written location.

N

W E

S

Subdivision Name _____

Lot No. _____ Block No. _____

County ONEIDA

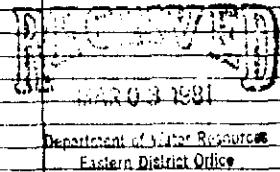
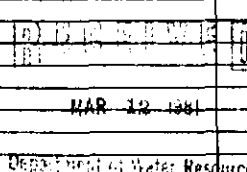
S.E. 1/4, Sec. 27, T. 14, S. R. 36, E. 1/4

10.Work started 12/12/79 finished 1/2/80**11. DRILLERS CERTIFICATION**I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.Firm Name DOBIE DRILLING Firm No. 148Address P.O. Box 444, T. BURELL Date 1/2/80Signed by (Firm Official) W. H. Dobieand
(Operator) M. H. Dobie

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

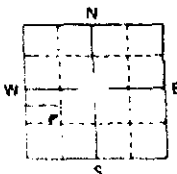
State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Palad School</u> District No. <u>351</u> <u>Oneida County School</u> Address <u>250 West 400 North</u> <u>Palad City, Idaho 83252</u> Owner's Permit No. <u>15-7067</u>		7. WATER LEVEL Static water level <u>20 1/2</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 _____ °F. Quality <u>Good</u>																																																					
2. NATURE OF WORK ☐ New well ☒ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped																																																	
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type) _____		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Hole 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></thead><tbody><tr><td>6"</td><td>620'</td><td>660'</td><td>Firm Gray Limestone</td><td></td><td>X</td></tr><tr><td>6"</td><td>660'</td><td>668'</td><td>Broken Gray "</td><td>(X)</td><td>X</td></tr><tr><td>6"</td><td>668'</td><td>680'</td><td>Firm " "</td><td></td><td>X</td></tr><tr><td>6"</td><td>680'</td><td>683'</td><td>Broken " "</td><td></td><td>X</td></tr><tr><td>6"</td><td>683'</td><td>710'</td><td>Firm " "</td><td></td><td>X</td></tr><tr><td>6"</td><td>710'</td><td>721'</td><td>Broken & sand</td><td>X</td><td></td></tr><tr><td>6"</td><td>721'</td><td>725'</td><td>Firm & sand</td><td></td><td>X</td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	6"	620'	660'	Firm Gray Limestone		X	6"	660'	668'	Broken Gray "	(X)	X	6"	668'	680'	Firm " "		X	6"	680'	683'	Broken " "		X	6"	683'	710'	Firm " "		X	6"	710'	721'	Broken & sand	X		6"	721'	725'	Firm & sand		X
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4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		 MAR 03 1981 Department of Water Resources Eastern District Office  MAR 12 1981 Department of Water Resources																																																					
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></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 _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></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 _____ Material used in seal: ☐ Cement grout ☐ Puddling clay ☐ Well cuttings Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbars to seal depth Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____				Thickness	Diameter	From	To	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet																				
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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.

water use well

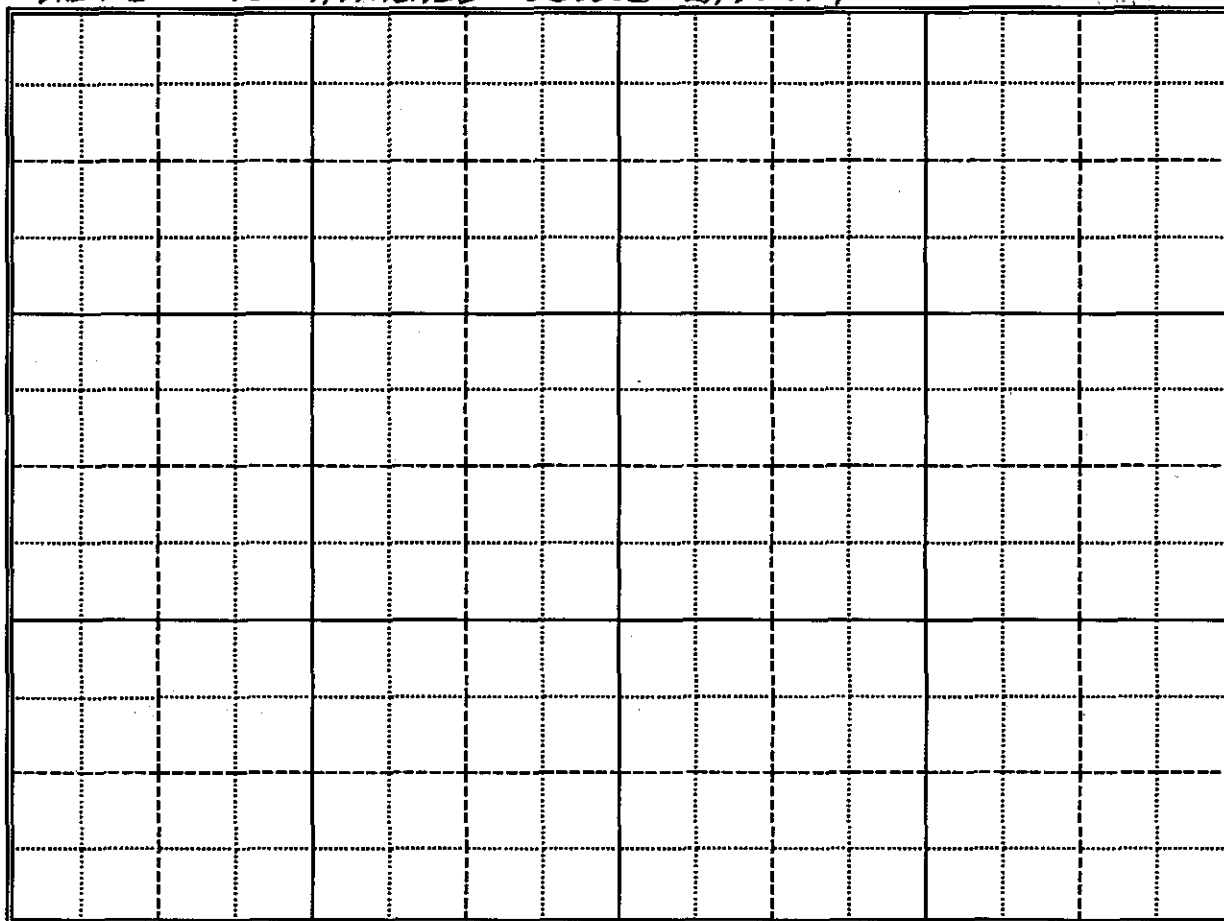
1. WELL OWNER Name <u>Owens County School District Well #3</u> Address <u>250 W 400 N</u> <u>Malad City, Idaho 83252</u> Owner's Permit No. _____		7. WATER LEVEL Static water level _____ feet below land surface. Flowing? ☒ Yes ☐ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality <u>Good</u>																																																																																																																																																																						
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ Air ☐ Other _____																																																																																																																																																																						
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☒ Other <u>Hot Well</u> (specify type) _____		9. LITHOLOGIC LOG <table border="1"> <thead> <tr> <th>Hole Diam.</th> <th>Depth From</th> <th>To</th> <th>Material</th> <th>Water Yes No</th> </tr> </thead> <tbody> <tr><td>14</td><td>0</td><td>24</td><td>brown clay gummy.</td><td>X</td></tr> <tr><td></td><td>24</td><td>30</td><td>Clay & gravel.</td><td>X</td></tr> <tr><td>12</td><td>30</td><td>82</td><td>Gummy clay</td><td>X</td></tr> <tr><td></td><td>82</td><td>88</td><td>Clay & gravel.</td><td>X</td></tr> <tr><td></td><td>88</td><td>185</td><td>Gummy clay.</td><td>X</td></tr> <tr><td></td><td>185</td><td>224</td><td>limestone & shale.</td><td>X</td></tr> <tr><td></td><td>224</td><td>279</td><td>Conglomerate.</td><td>X</td></tr> <tr><td></td><td>279</td><td>318</td><td>Gummy clay.</td><td>X</td></tr> <tr><td>10</td><td>318</td><td>342</td><td>Clay & gravel.</td><td>X</td></tr> <tr><td></td><td>342</td><td>350</td><td>Loose gravel.</td><td>X</td></tr> <tr><td></td><td>350</td><td>385</td><td>Clay & gravel.</td><td>X</td></tr> <tr><td></td><td>385</td><td>397</td><td>Loose gravel.</td><td>X</td></tr> <tr><td></td><td>397</td><td>444</td><td>Clay & gravel.</td><td>X</td></tr> <tr><td></td><td>444</td><td>496</td><td>Conglomerate.</td><td>X</td></tr> <tr><td></td><td>496</td><td>508</td><td>Hard limestone white.</td><td>X</td></tr> <tr><td></td><td>508</td><td>527</td><td>Broken limestone white.</td><td>X</td></tr> <tr><td></td><td>527</td><td>543</td><td>Firm limestone black.</td><td>X</td></tr> <tr><td></td><td>543</td><td>550</td><td>Hard limestone gray.</td><td>X</td></tr> <tr><td></td><td>550</td><td>593</td><td>Hard limestone gray.</td><td>X</td></tr> <tr><td></td><td>593</td><td>597</td><td>Broken gray limestone.</td><td>X</td></tr> <tr><td></td><td>597</td><td>663</td><td>Firm green & blue shale.</td><td>X</td></tr> <tr><td></td><td>663</td><td>683</td><td>Firm gray rock.</td><td>X</td></tr> <tr><td></td><td>683</td><td>686</td><td>Broken gray rock.</td><td>X</td></tr> <tr><td>8</td><td>686</td><td>696</td><td>Hard gray rock.</td><td>X</td></tr> <tr><td></td><td>696</td><td>700</td><td>Broken gray rock.</td><td>X</td></tr> <tr><td></td><td>700</td><td>712</td><td>Firm gray rock.</td><td>X</td></tr> <tr><td></td><td>712</td><td>725</td><td>Broken gray rock.</td><td>X</td></tr> <tr><td></td><td>725</td><td>730</td><td>Firm gray rock with cracks.</td><td>X</td></tr> <tr><td></td><td>730</td><td>770</td><td>Layers of firm & broken rock.</td><td>X</td></tr> <tr><td></td><td>770</td><td>778</td><td>Broken gray rock.</td><td>X</td></tr> <tr><td></td><td>778</td><td>788</td><td>Firm gray rock.</td><td>X</td></tr> <tr><td></td><td>788</td><td>800</td><td>Broken gray rock.</td><td>X</td></tr> </tbody> </table>		Hole Diam.	Depth From	To	Material	Water Yes No	14	0	24	brown clay gummy.	X		24	30	Clay & gravel.	X	12	30	82	Gummy clay	X		82	88	Clay & gravel.	X		88	185	Gummy clay.	X		185	224	limestone & shale.	X		224	279	Conglomerate.	X		279	318	Gummy clay.	X	10	318	342	Clay & gravel.	X		342	350	Loose gravel.	X		350	385	Clay & gravel.	X		385	397	Loose gravel.	X		397	444	Clay & gravel.	X		444	496	Conglomerate.	X		496	508	Hard limestone white.	X		508	527	Broken limestone white.	X		527	543	Firm limestone black.	X		543	550	Hard limestone gray.	X		550	593	Hard limestone gray.	X		593	597	Broken gray limestone.	X		597	663	Firm green & blue shale.	X		663	683	Firm gray rock.	X		683	686	Broken gray rock.	X	8	686	696	Hard gray rock.	X		696	700	Broken gray rock.	X		700	712	Firm gray rock.	X		712	725	Broken gray rock.	X		725	730	Firm gray rock with cracks.	X		730	770	Layers of firm & broken rock.	X		770	778	Broken gray rock.	X		778	788	Firm gray rock.	X		788	800	Broken gray rock.	X
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USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

[illegible]

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

*SEE PHOTOGRAPHS
REFER TO ATTACHED SCHOOL LAYOUT.*



Scale: 1" = _____

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

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

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
<i>ARTESIAN SYSTEM</i>					
<i>HEAT EXCHANGER</i>	<i>AMERICAN HEAT</i>				

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
<i>PRESSURE GAUGES</i>		<i>ASHCROFT</i>			<i>0-100</i>	

2. Measurements: *SONIC METER*

MICROFILMED

JAN 22 1997

E. NARRATIVE/REMARKS/COMMENTS

ON 1/20/95 I CONDUCTED A FIELD EXAM AT HALAD HIGH SCHOOL. THE PERMIT IS FOR .33 CFS TO BE USED FOR HEATING AND COOLING. THE WELL SYSTEM USES ARTESIAN FLOW THROUGH PVC PIPING TO A HEAT EXCHANGER THEN BACK TO AN INJECTION WELL; THERE IS NO EXCHANGE OF CITY WATER AND THE ARTESIAN WATER. CITY WATER IS USED TO PRESSURE CHARGE THE SCHOOL'S HEATING SYSTEM, BELL & GOSSETT PUMPS (2) ARE USED TO CIRCULATE THE HEATING OR COOLING WATER THROUGHOUT THE SCHOOL SYSTEM (CLOSED). A DEMAND VALVE (HEAT) REGULATES AMOUNT OF ARTESIAN FLOW THROUGH SYSTEM. SYSTEM PRESSURE WAS STEADY AT 11 PSI.

SONIC METER READING OF 1/20/95.

481.585 GPH

SONIC METER READING OF 1/28/95.

DEMAND VALVE NORMAL POSITION APPROX. 1/4 OPEN. 156.918 GPH

= 0.349 CFS

APPROX. DEMAND OPEN POSITION SHOWN FULL OPEN 656.467 GPH

= 1.46 CFS

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

MICROFILMED

JAN 22 1997

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

*REFER TO SONIC METER PRINTOUT***G. VOLUME CALCULATIONS****1. Volume Calculations for Irrigation:** $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____**2. Volume Calculations for Other Uses:****H. RECOMMENDATIONS***PERMIT LIMITS TO .33 CFS***1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>HEATING / COOLING</i>	<i>1/1</i>	<i>12/31</i>	<i>.33</i>	
Totals:			<i>.33 cfs</i>	

2. Recommended Amendments

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

I. AUTHENTICATIONField Examiner's Name *SIMPKINS* Date *5/22/95*Reviewer *[Signature]* Date *3/29/96*

SEAL

MICROFILMED
JAN 22 1997

01-23 08:4800 *I
+000.30 % AI2

0141.8 MMSEC
100.71 % T0

01-23 08:4900 *I
+ E-1GPM

01-23 08:5000 *I
+795.950E-1GPM

01-23 08:5100 *I
+000.30 % AI2

0141.8 MMSEC
100.71 % T0

01-24 11:1100 *R
+003.10 % AI2

#15-7067

01-24 11:1100 *R
+003.10 % AI2

0145.4 MMSEC
100.16 % T0

01-24 11:1600 *R
+003.10 % AI2

OUTER DIAMETER
4.5000 IN

PIPE MATERIAL
? PVC

WALL THICKNESS
0.3949 IN

INNER LINING
? NO LING.

SOUND VELOCITY
1400 M/S-

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
2.517 IN U

01-24 11:1900 *R
+156.918E-1GPM

01-24 11:2100 *R
+409.995E-1GPM

01-24 11:2400 *R
+656.467E-1GPM

01-24 11:3100 *R
+115.971E-1GPM

01-23 08:4800 *I
+000.30 % AI2

0141.8 MMSEC
100.71 % T0

01-23 08:4900 *I
+ E-1GPM

01-23 08:5000 *I
+795.950E-1GPM

01-23 08:5100 *I
+000.30 % AI2

0141.8 MMSEC
100.71 % T0

01-24 11:1100 *R
+003.10 % AI2

#15-7067

01-24 11:1100 *R
+003.10 % AI2

0145.4 MMSEC
100.16 % T0

01-24 11:1600 *R
+003.10 % AI2

OUTER DIAMETER
4.5000 IN

PIPE MATERIAL
? PVC

WALL THICKNESS
0.3949 IN

INNER LINING
? NO LING.

SOUND VELOCITY
1400 M/S-

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
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SPACING
2.517 IN U

01-24 11:1900 *R
+156.918E-1GPM

01-24 11:2100 *R
+409.995E-1GPM

01-24 11:2400 *R
+656.467E-1GPM

01-24 11:3100 *R
+115.971E-1GPM

MICROFILMED

15-7067 1007

13751

13751

Valve
1/4 Approx.

Valve
Open
11751

Valve
Open
SHID.

Valve
Closed

Valve
1/4 Approx.

Valve
Open
11751

Valve
Open
SHID.

Valve
Closed

1/20/95 1456 hu.
X701.

OUTER DIAMETER
4.5000 IN

PIPE MATERIAL
? PVC

WALL THICKNESS
0.3866 IN

INNER LINING
? NO LING.

KIND OF FLUID
? WATER

SPACING
2.716 IN U

00-00 00:3400 *R
+811.800E-16PM

00-00 00:3500 *F
+803.00 % A12

00-00 00:3700 *R
+481.585E 16PH

3141.8 MMSEC
101.02 % T0

MICROFILMED

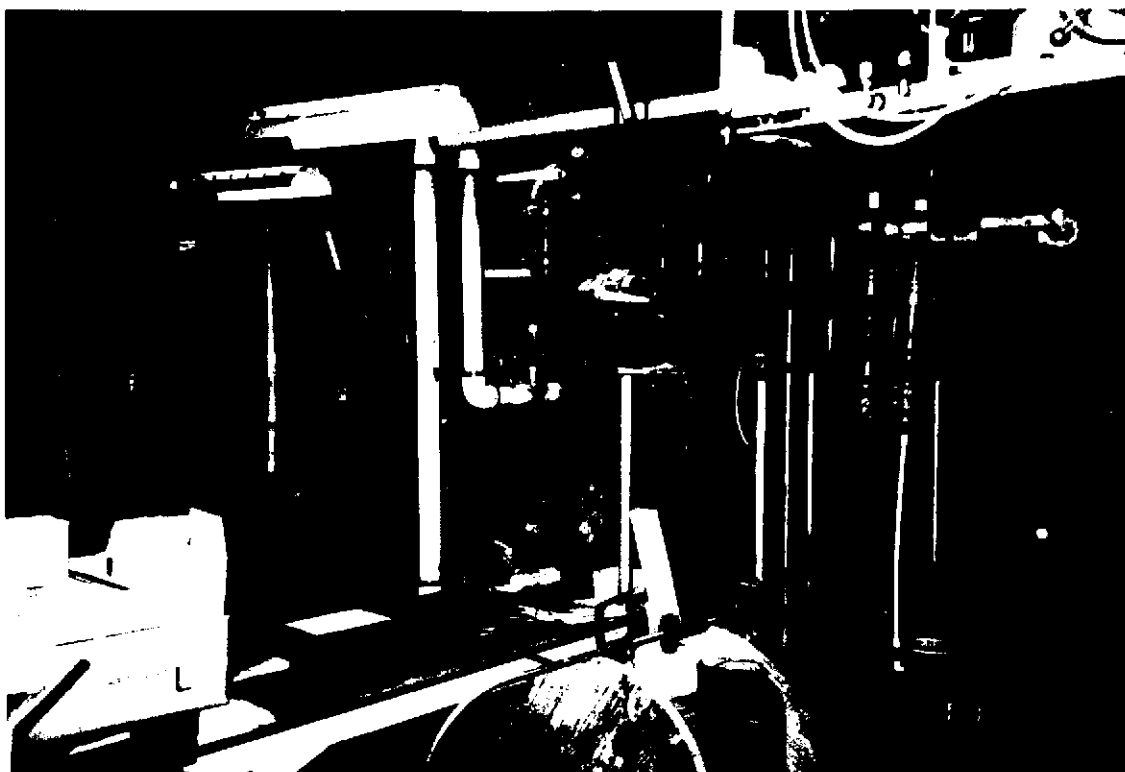
JAN 22 1997

15-7067

HIGH SCHOOL HEAT/COOLING SYSTEM
WHITE PVC PIPING IS CLOSED SYSTEM



OUTSIDE
PRESSURE
GAGE



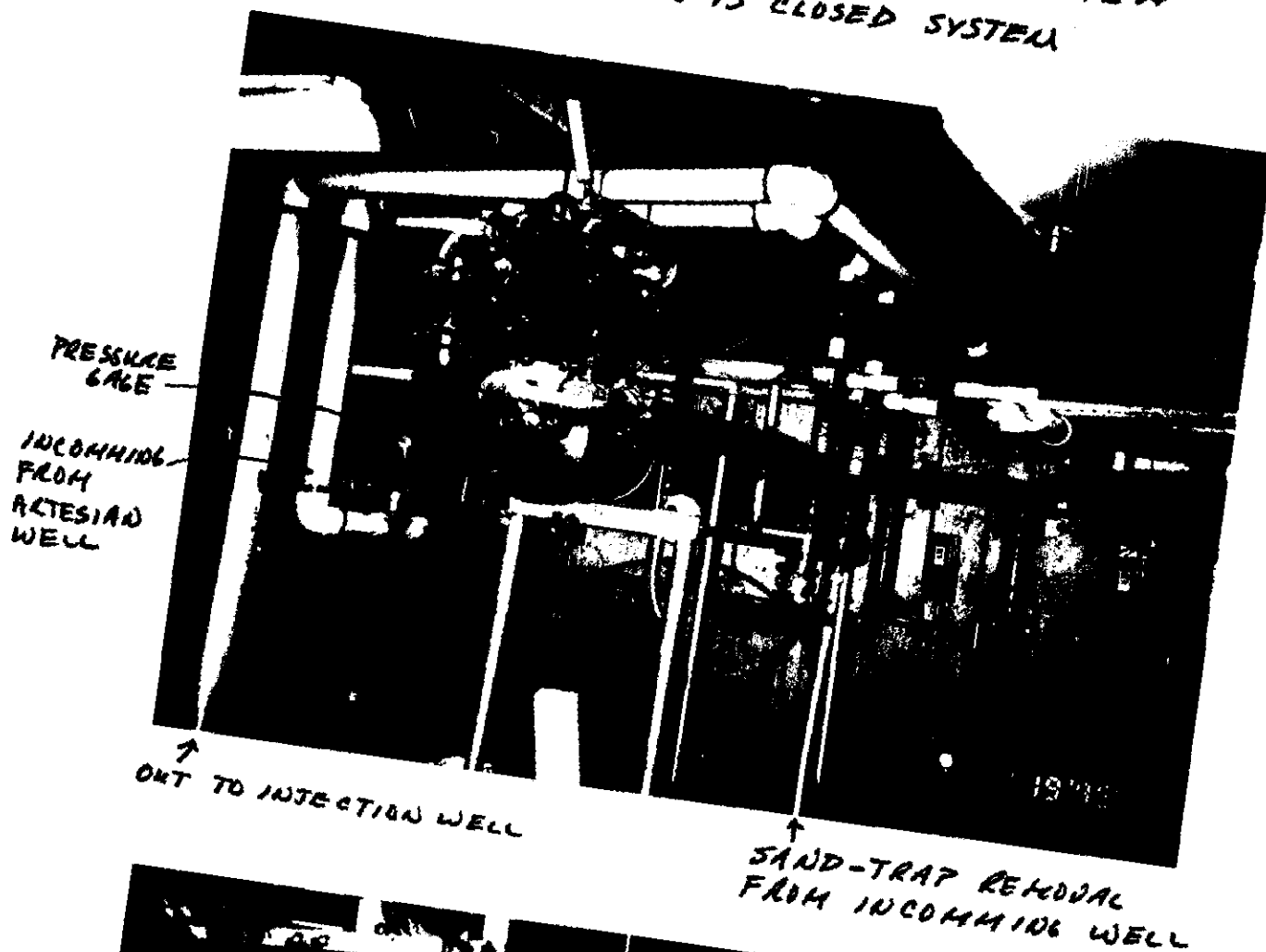
MICROFILMED

15-7067

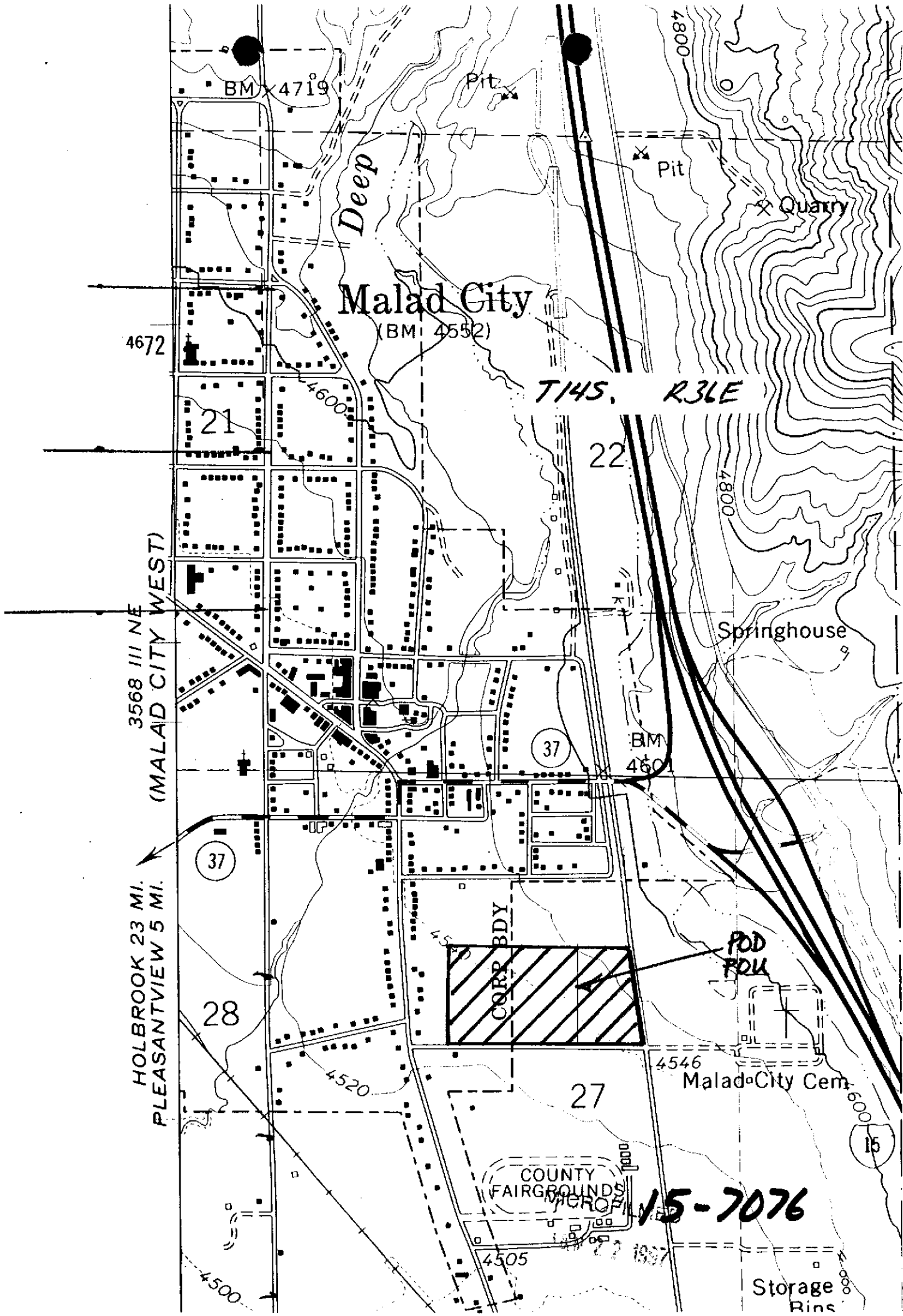
JAN 22 1987

HIGH SCHOOL HEAT/COOLING SYSTEM
WHITE PVC PIPING IS CLOSED SYSTEM

②



15-2067
MICROFILMED
JAN 22 1987



T145 R36E

32.2
NH EL NW

T906

189
NH EL NW

12.4

T928

9.3

ARTESIAN WELL
POINT OF DIVERSION

PLACE OF USE
INJECTION MICROFILMED
UNDER PARKING
LOT
JAN 22 1967

531

NH GL NW

30.7

T951

21.7

24.2

13.1

15-7067

T930

T032

EL
NW
24.0

APPROX. 800' TO WELL

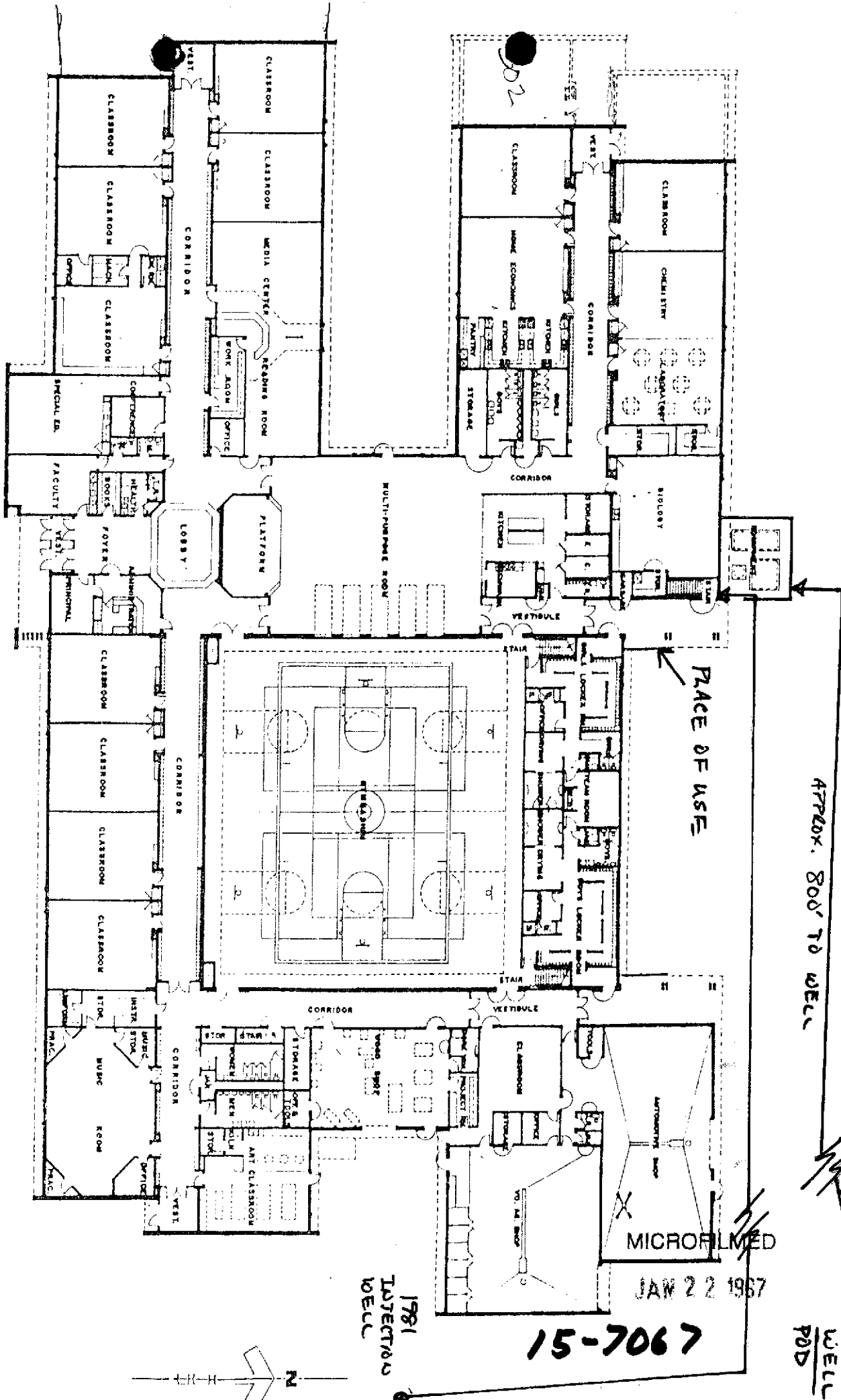
1982
WELL
POD

PLACE OF USE

MICROFILMED
JAN 22 1967

15-7067

1981
INJECTORS
WELL



MALAD HIGH SCHOOL

SCALE: 1/8" = 1'-0"

1/8" = 1'-0"

MAX L. CALL
S. ASSOCIATES
ARCHITECTS

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 15-7067

1. Owner: Oneida School Dist. # 351 Phone No. 766-2255
Current Address: 250 W. 400 N., Malad Idaho

2. Accompanied by: Dennis John EXAM. DATE: 5-26-87

Address: 420 South main Phone No. 766-4178

Relationship to Permit Holder: maintenance man

3. Source: Groundwater tributary to

B. OVERLAP REVIEW

1. Other water rights with same place of use: N.A.

☐ 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

(This area contains a large grid for drawing a diversion system diagram. The grid is mostly blank, with some faint lines visible.)

MICROFILMED

Scale: 1" =

JAN 22 1987

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).

☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

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

The two Gould motors with the Bell & Gossett pumps, are used only to circulate the hot water through the school after being ran through the heat exchanger which uses both city water & well water. The well & city water is pumped through the heat exchanger. The well water is used to help heat the city water. Temperature of the city water which is heated and then pumped through the school was 83° at the time of exam. Dennis said the well water has a temperature of 82°

☒ See Remarks on page 4 for continuation

Well or Diversion	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Gould	15	—	Bell & Gossett	1016369
	Gould	15	—	Bell & Gossett	2016368
Heat exchanger	American Heat	—	—	—	—
Electric	Fearless	—	Feb-1227	—	—

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

5. Point(s) of Diversion:

[illegible]

6. Place(s) of Use:

Indicate Method of Determination.

[illegible]

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N.A.						

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

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:

MICROFILMED

JAN 22 1987

H. REMARKS AND OVERLAP REVIEW ANALYSIS

The two Bell & Gossett motors/pumps are used to pump the water to a cooling tower outside of school. (each motor is 5hp. + 20 S.A.).

The Peerless electric motor is used as an auxiliary motor to help heat the well water when its drops below a certain temperature.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

Period of Use
From To

Rate of Diversion
Q (cts)

Annual Volume V (a-fa)

Totals:

J. AUTHENTICATION

2. Recommended Amendments

☐ Change P.D. as reflected above

☐ Change P.U. as reflected above

☐ Add P.D. as reflected above

☐ Add P.U. as reflected above

☐ Other

☐ None

Field Examiner's Name

Signature _____

Certification Date

Field Report Preparation Date

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

MICROFILMED

257 7 7 0001

12'30"

16'

4673

#15-7067

Malad City

(BM 4592)

Springhouse

T148

R36E

Sewage Disposal Ponds

Storage Bins

Borrow Pits

Twomile

MICROFILMED

3568 III NE
(MALAD CITY WEST)
HOLBROOK 23 MI.
PLEASANTVIEW 5 MI.

T. 14 S.

T. 15 S.

N
A
L
A
D

N
A

BOUNDARY

PACIFIC

Twomile

Creek

Little

Valley

Follow

Spring

JEEP

TRAIL

5800

58420

5800

5600

5800

5600

5800

5600

5800

5600

5800

5600

5800

5600

4672

21

22

37

28

27

37

BM 4490

4478

33

34

38

BM 4485

45521

4426

4436

4491

4505

4520

4546

4560

4579

4592

4600

4610

4620

4630

4640

4650

4660

4670

4680

4690

4700

4710

4720

4730

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4800

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4910

4920

4930

4940

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4960

4970

4980

4990

5000

5010

5020

5030

5040

5050

5060

5070

5080

5090

5100

5110

5120

5130

5140

5150

5160

5170

5180

5190

5200

5210

5220

5230

5240

5250

5260

5270

5280

5290

5300

5310

5320

5330

5340

5350

5360

5370

5380

5390

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6110

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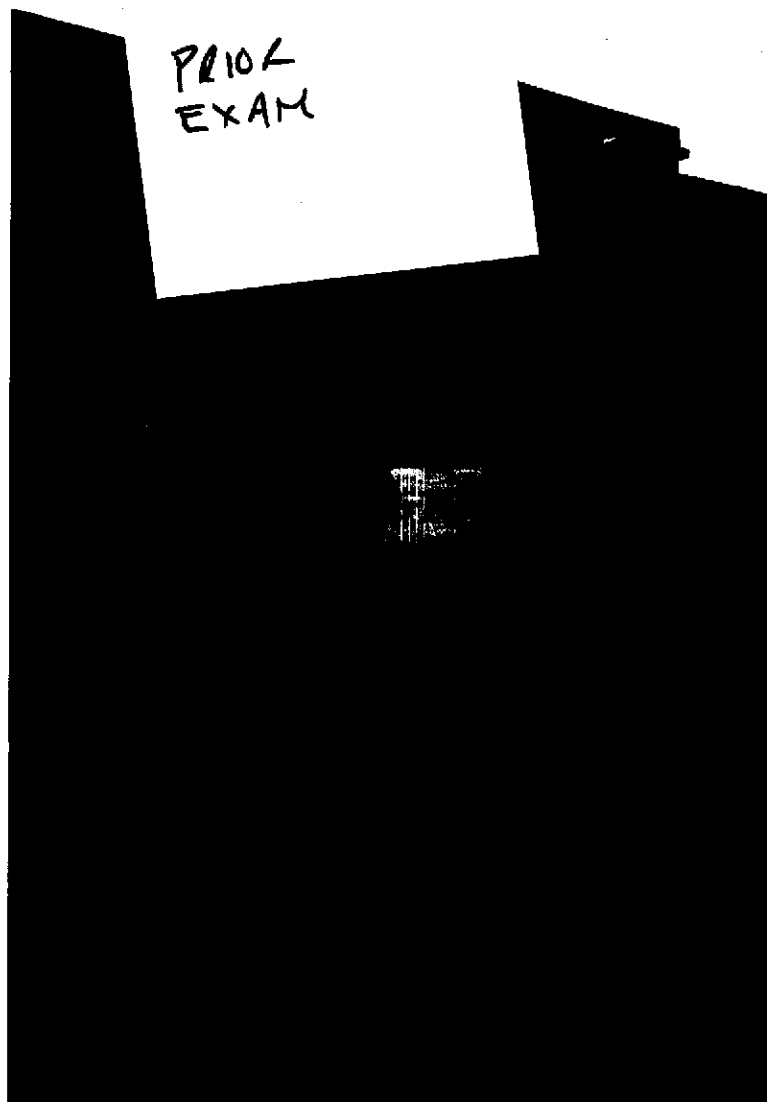
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7500

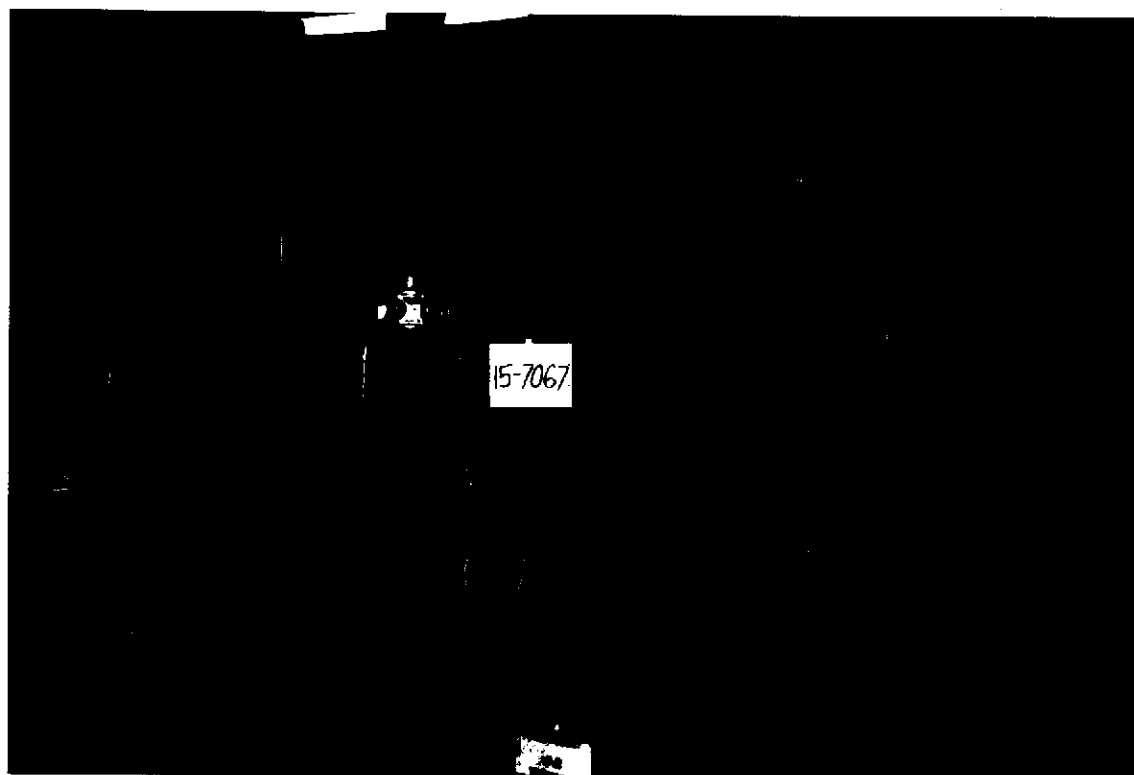
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15-7067



PRIOR
EXAM

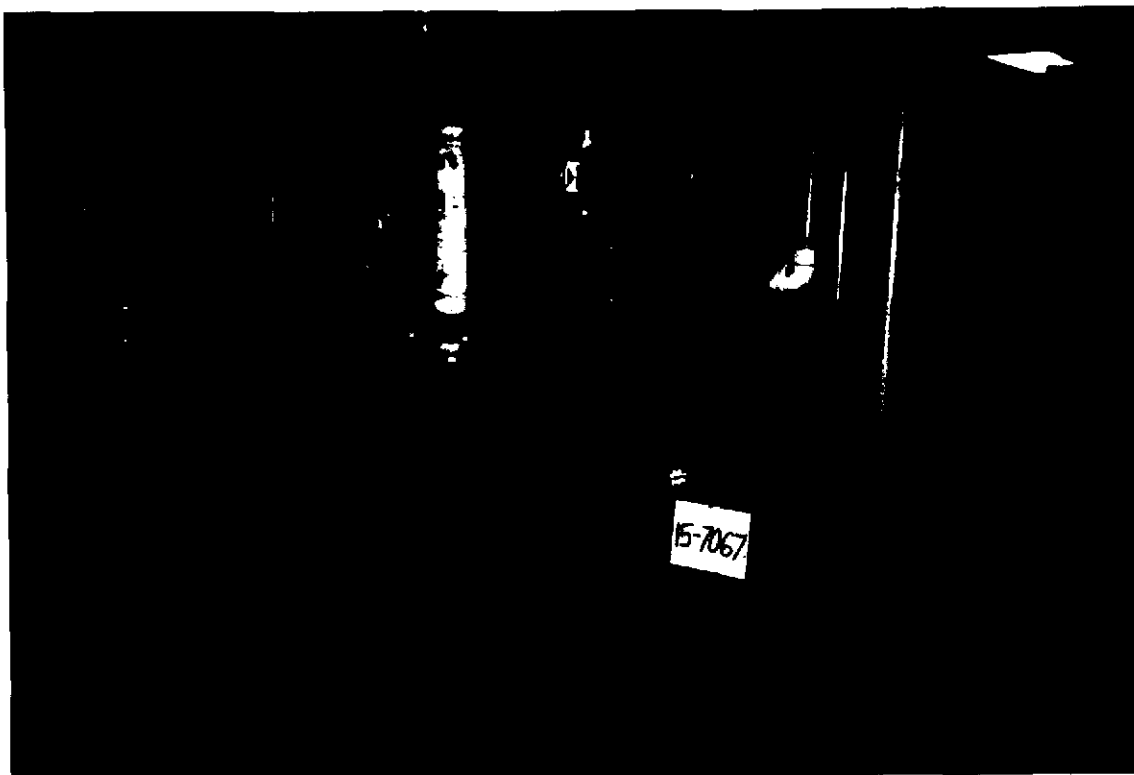
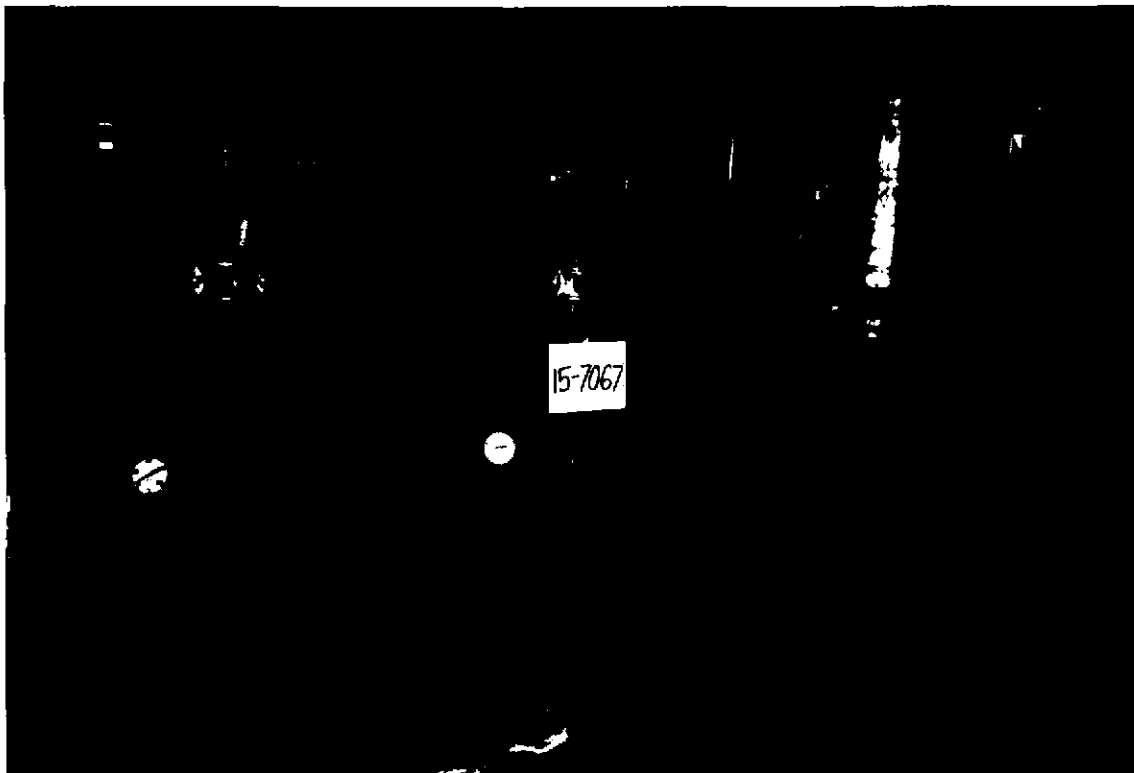


15-7067

15-7067

MICROFILMED
JAN 22 1967

#15-7067



RECORDED
JAN 22 1937

CALCULATED DIMENSION NOT FIXED

DESIGNED, CONSTRUCTED AND NAT'L BOARD
STAMPED IN ACCORDANCE WITH A.S.M.E. CODE
SECTION VIII, 1980 EDITION

DESIGN PRESS 125 P.S.I.
TEST PRESS 188 P.S.I.
DESIGN TEMP. 240 °F
HEATING SURFACE 124.97 Sq. Ft.
EST. WEIGHT 2700 Lbs.

MATERIALS

PLATES (27) MAT'L 304 S/S THK. 0.6 mm
FLANGES SA-105
COVERS SA-515-70
* COVER BOLTS 2 1/2" LG. SA-193-B7
NUTS SA-194-2H
GASKETS NITRILE
* CARRYING BARS 39 3/4" LG. SA-36
SA-479-304

NOTES

- * CAPACITY FOR 39 PLATES
- 1. BOLT HOLES TO STRADDLE MAIN CENTER LINE
- 2. SAND BLAST ALL CBN. STL. PARTS AND PRIME WITH CENTRIBLUE EPOXY PRIMER PER QA-110 AND FINISH WITH CENTRIBLUE PAINT PER QA-111
- 3. TOLERANCE $\pm .125$
- 4. UNIT PROVIDED WITH A PROTECTIVE SHROUD
- 5. DWG. SCALE $\frac{1}{8} = 1"$

NOZZLE SCHEDULE

ALL CS PIPE SA-106B SCH. 40
ALL FITTINGS SCH.
ALL PIPE SCH.
ALL FITTINGS SCH.

T4					
T3					
T2					
T1					
S4	4"	150"	RF	C.S. OUTLET	CS
S3	4"	150"	RF	C.S. INLET	CS
S2	4"	150"	RF	H.S. OUTLET	CS
S1	4"	150"	RF	H.S. INLET	CS
LOC	SIZE	RATED	FACING	FUNCTION	MAT'L

CUSTOMER

GRITTON & ASSOCIATES

P.O. NO.

498

ITEM NO.

TITLE

AM-10 S

DWN. SSA

DATE 12/17/80

ASSEMBLY DWG.

CHK'D PLO

DATE 12/17/80

APP'D PLO

DATE 12/17/80

AMERICAN HEAT DIVISION
OF ALFA-LAVAL THERMAL
SOMERVILLE, N.J.

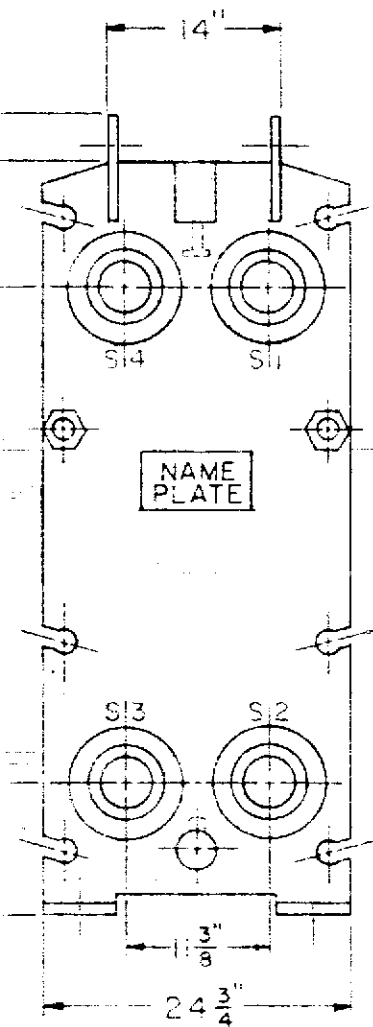
DWG. NO.

978339-450

MICROFILMED

JAN 22 1997

B.	
A.	
DATE	9/9/81



VP-8572

BB-1468

PLATAGE SPECIFICATION NO.

-1

DATE 801121

PLATE HEAT EXCHANGER TYPE AM10S
MANUFACTURING NO.
DRAWING NO.

QUANTITY 1

CUSTOMER
GRITTON & ASSOCIATES

REF.
498

AGENT

REF.

SUPPLIER
HVAC EQUIPMENT DIVISION

REF.
VP-8572

TO NO.

PLATES WITH PARALLEL FLOW.

THE PLATE PACK IS TIGHTENED TO 146 MM.

FURTHER TIGHTENING IS POSSIBLE TO MINIMUM 146 MM.

ALWAYS OBSERVE PLATE FROM ITS GASKET SIDE. A TEN FIGURE PART NUMBER
PLUS ONE LETTER ARE STAMPED ON THE UPPER PART OF THE PLATE.

THE PLATES ARE ASSEMBLED, COUNTING FROM THE STATIONARY COVER TO THE
MOVABLE COVER, IN SEQUENCE STATED BELOW WITH THE GASKET SIDE FACING
THE MOVABLE COVER.

FOR INFORMATION ABOUT INSTALLATION, RUNNING, CLEANING ETC. SEE THE
INSTRUCTION BOOK.

REMARKS

Adhesive GC-6

MICROFILMED

JAN 22 1997

VP-8572

BB-1468

SECTION NO. 1
COOLER

MEDIA	WATER	WATER
FLOWRATE	240 GPM	240 GPM
TEMP. PROGRAM	72 TO 67 F	60 TO 65 F
PRESSURE DROP	3.9 PSI	4.7 PSI

LOCATION OF CONNECTION

INLET	S1	S3
OUTLET	S2	S4

PLATES MATERIAL	AISI 304
THICKNESS	0.6 MM
FINISH	UNPOLISHED

GASKET MATERIAL	NITRILE
-----------------	---------

HEAT TRANSFER SURFACE	10.8 M2
-----------------------	---------

GROUPING
1(9A101+ 4A102)
1(13A102)

MICROFILMED

JAN 22 1987

VP-8572

BB-1968

PLATE NO. PLATE CODE NO.

PUNCHED CORNER OF THE PLATE
UPPER LOWER LOWER UPPER
LEFT LEFT RIGHT RIGHTFLOW DIRECTION ON
THE GASKET SIDE
OF THE PLATE

1	360220-0163B	0	0	0	0	UP
2	360120-0103A	0	0	0	0	DOWN
3	360220-0103B	0	0	0	0	UP
4	360120-0103A	0	0	0	0	DOWN
5	360220-0103B	0	0	0	0	UP
6	360120-0103A	0	0	0	0	DOWN
7	360220-0103B	0	0	0	0	UP
8	360120-0103A	0	0	0	0	DOWN
9	360220-0103B	0	0	0	0	UP
10	360120-0103A	0	0	0	0	DOWN
11	360220-0103B	0	0	0	0	UP
12	360120-0103A	0	0	0	0	DOWN
13	360220-0103B	0	0	0	0	UP
14	360120-0103A	0	0	0	0	DOWN
15	360220-0103B	0	0	0	0	UP
16	360120-0103A	0	0	0	0	DOWN
17	360220-0103B	0	0	0	0	UP
18	360120-0103A	0	0	0	0	DOWN
19	360220-0103B	0	0	0	0	UP
20	360220-0103A	0	0	0	0	DOWN
21	360220-0103B	0	0	0	0	UP
22	360220-0103A	0	0	0	0	DOWN
23	360220-0103B	0	0	0	0	UP
24	360220-0103A	0	0	0	0	DOWN
25	360220-0103B	0	0	0	0	UP
26	360220-0103A	0	0	0	0	DOWN
27	360220-0196B					

MICROFILMED

JAN 22 1987

-1

CLEVELAND 801121 BY FLA004

538-340

VP-8572

BB-1468

PHE TYPE AM10S

QUANTITY 1

DATE 801121

CUSTOMER GRITTON & ASSOCIATES

MANUF.NO.

ORDER NO. VP-8572

DRAW. NO.

TO NO.

PLATES

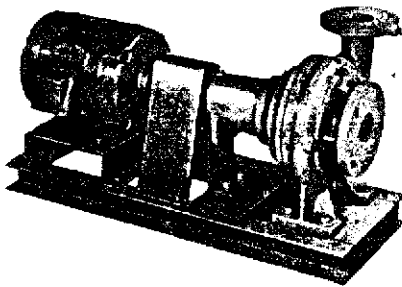
QUANTITY PER UNIT	TOTAL QUANTITY	PART NUMBER	DENOMINATION
9	9	360120-0103	CHANNEL PLATE
16	16	360220-0103	CHANNEL PLATE
1	1	360220-0163	END PLATE I
1	1	360220-0196	END PLATE II

MICROFILMED

JAN 22 1987

DENOMINATION	PART NO	NO ORD	DELIV	ITEM PRICE	ACCOUNT NO
RAW PLATE	360120-0000	9			
RAW PLATE	360220-0000	18			

BELL & GOSSETT

SUBMITTALB-227.1
REVISION 2

3CB SERIES 1510 Centrifugal Pumps — Base Mounted

JOB _____

B & G REPRESENTATIVE _____

UNIT TAG NO. P-1 & P-2

ORDER NO. _____ DATE _____

ENGINEER _____

SUBMITTED BY _____ DATE _____

CONTRACTOR _____

APPROVED BY _____ DATE _____

SPECIFICATIONS240 GPM 114 FT.

MATERIALS OF CONSTRUCTION:

☒ BRONZE FITTED☒ 1510 (Standard Seal)☐ 1510-PF

(Packing—Flushed)

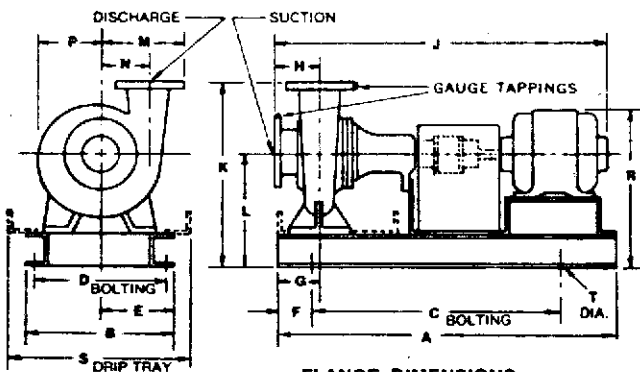
☐ 1510-S (Single Seal)☐ 1510-D (Double Seal)ELECTRICAL DATA: 15 HP
460 VOLTS 60 CY. 3 PH.

MOTOR ENCL. _____

SPEC. CONSTR. _____

☒ 175 psi W.P. with 125# ANSI
flange drilling (Std.)

APPROXIMATE WEIGHT _____ LBS.

☐ 250 psi W.P. with 250# ANSI
flange drilling optional with
Stuffing Box Construction only.**MAXIMUM WORKING PRESSURE 250 PSI****FLANGES ARE 125# ANSI — STANDARD
250# ANSI — AVAILABLE****DIMENSIONS****STANDARD SEAL 1510****FLANGE DIMENSIONS**

SIZE	THICKNESS	O.D.
3"	1 1/8	8
4"	1 1/4	10

PUMP SIZE & DISCHARGE	SUCTION SIZE	MOTOR FRAME	PUMP DIMENSIONS (INCHES)																
			A	B	C	D	E	F	G	H	J (MAX.)	K	L	M	N	P	R (MAX.)	S	T
			"L" FRAME																
 3CB	4" 	213T									41 $\frac{1}{8}$								
		215T	46 $\frac{1}{2}$	16	36 $\frac{1}{2}$	14	8	5	6 $\frac{1}{2}$	5 $\frac{5}{8}$	42 $\frac{3}{4}$	23 $\frac{1}{2}$	14	12	8	9	19 $\frac{7}{8}$	18 $\frac{1}{2}$	$\frac{7}{8}$
		254T									46 $\frac{3}{8}$						20 $\frac{7}{8}$		
		256T									48 $\frac{1}{8}$								
		284T	51 $\frac{3}{4}$		41 $\frac{3}{4}$						48 $\frac{3}{4}$						22		

STUFFING BOX 1510-PF, 1510-S, 1510-D

PUMP SIZE & DISCHARGE	SUCTION SIZE	MOTOR FRAME	PUMP DIMENSIONS (INCHES)																	
			A	B	C	D	E	F	G	H	J (MAX.)	K	L	M	N	P	R (MAX.)	S	T	
			"L" FRAME																	
3CB	4"	213T	46½	16	36½	14	8	5	6½	5%	43½	23½	14	12	8	9	19%	18½	¾	
		215T			45															
		254T	51¾		41¾												48%			
		256T			50½															
		284T			51¼															

MICROFILMED

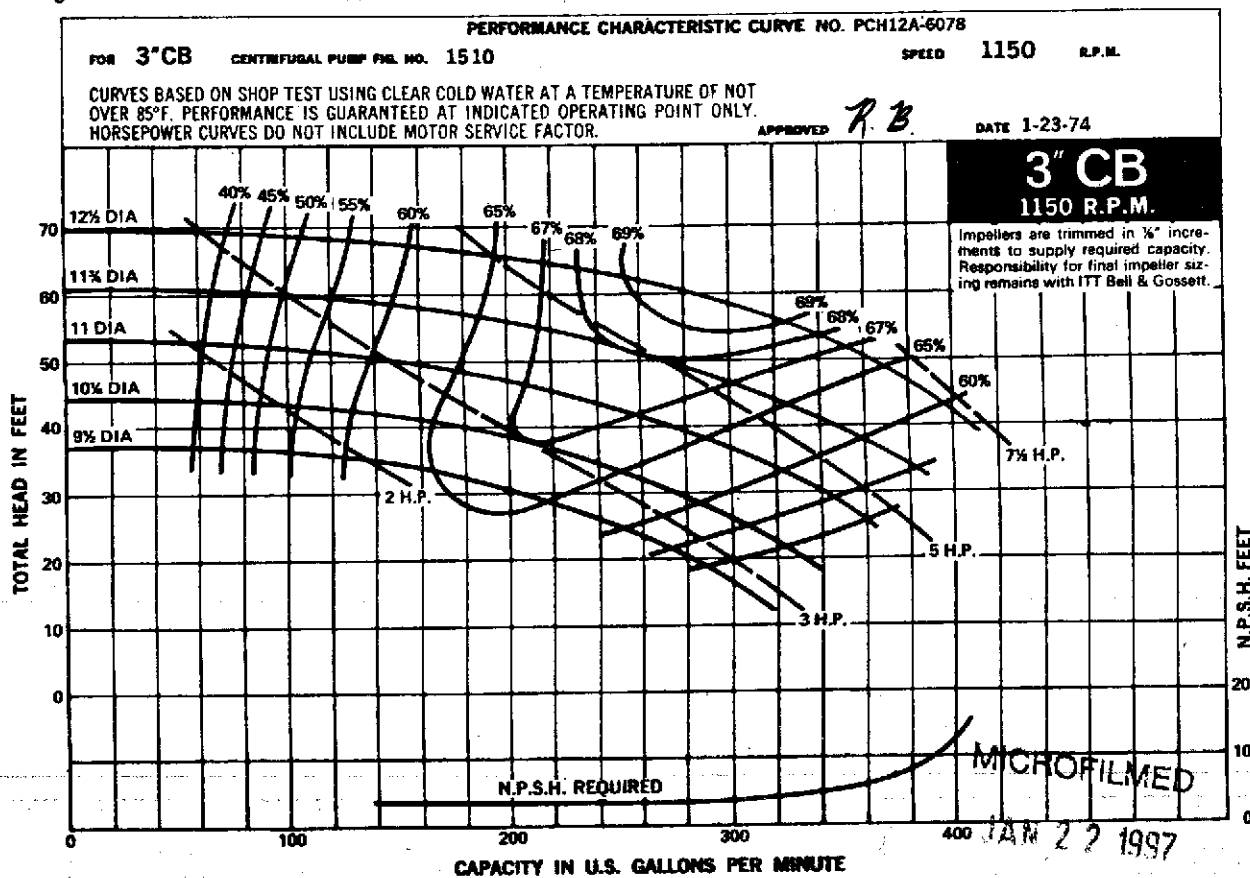
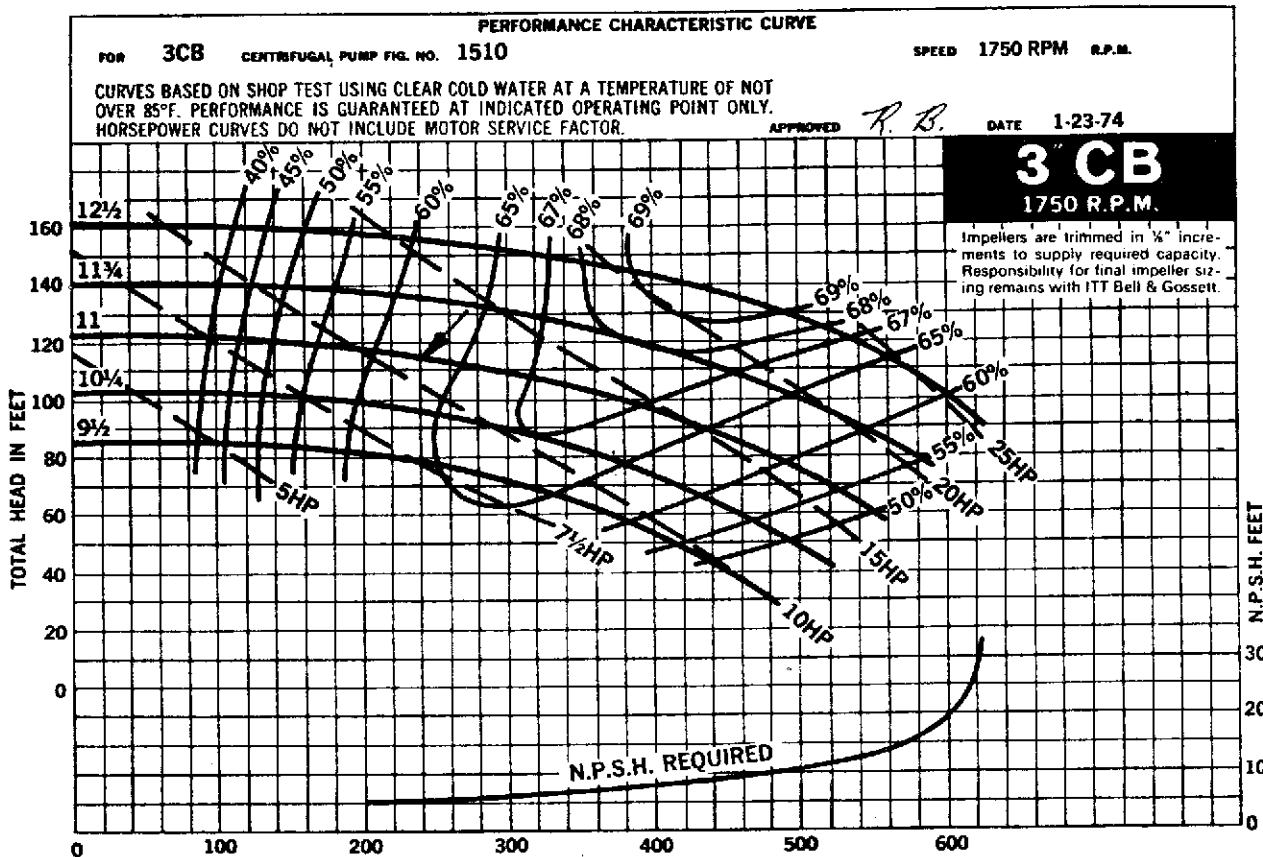
MICROFILMED

JAN 22 1997

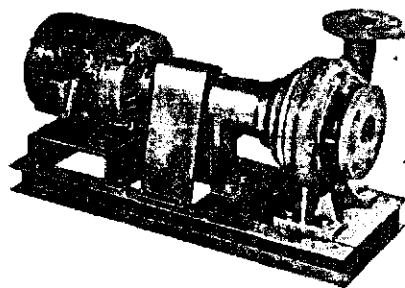
BELL & GOSSETT ITT
FLUID HANDLING DIVISION

1510

PERFORMANCE CURVES

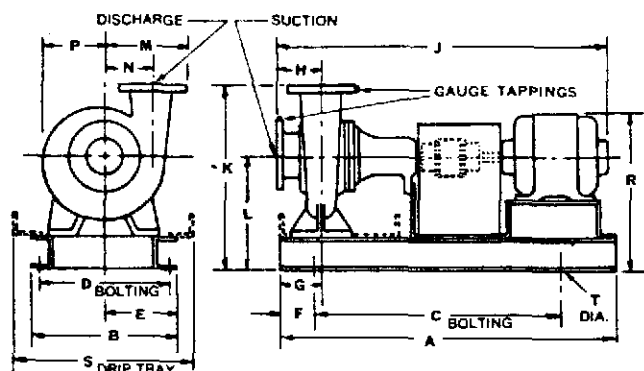


BELL & GOSSETT

SUBMITTALB-224.9
REVISION 5

2½B SERIES 1510 Centrifugal Pumps — Base Mounted

JOB _____	B & G REPRESENTATIVE _____
UNIT TAG NO. <u>P-3 & P-4</u>	ORDER NO. _____ DATE _____
ENGINEER _____	SUBMITTED BY _____ DATE _____
CONTRACTOR _____	APPROVED BY _____ DATE _____

**SPECIFICATIONS**

240 GPM 45 FT.

MATERIALS OF CONSTRUCTION:

☒ BRONZE FITTED ☐ ALL IRON ☐ ALL BRONZE

ELECTRICAL DATA: 5 HP

460 VOLTS 60 CY. 3 PH.

MOTOR ENCL. _____

SPEC. CONSTR. _____

APPROXIMATE WEIGHT _____ LBS.

☒ 1510 (Standard Seal)☐ 1510-PF

(Packing—Flushed)

☐ 1510-S (Single Seal)☐ 1510-D (Double Seal)**DIMENSIONS**

STANDARD SEAL 1510

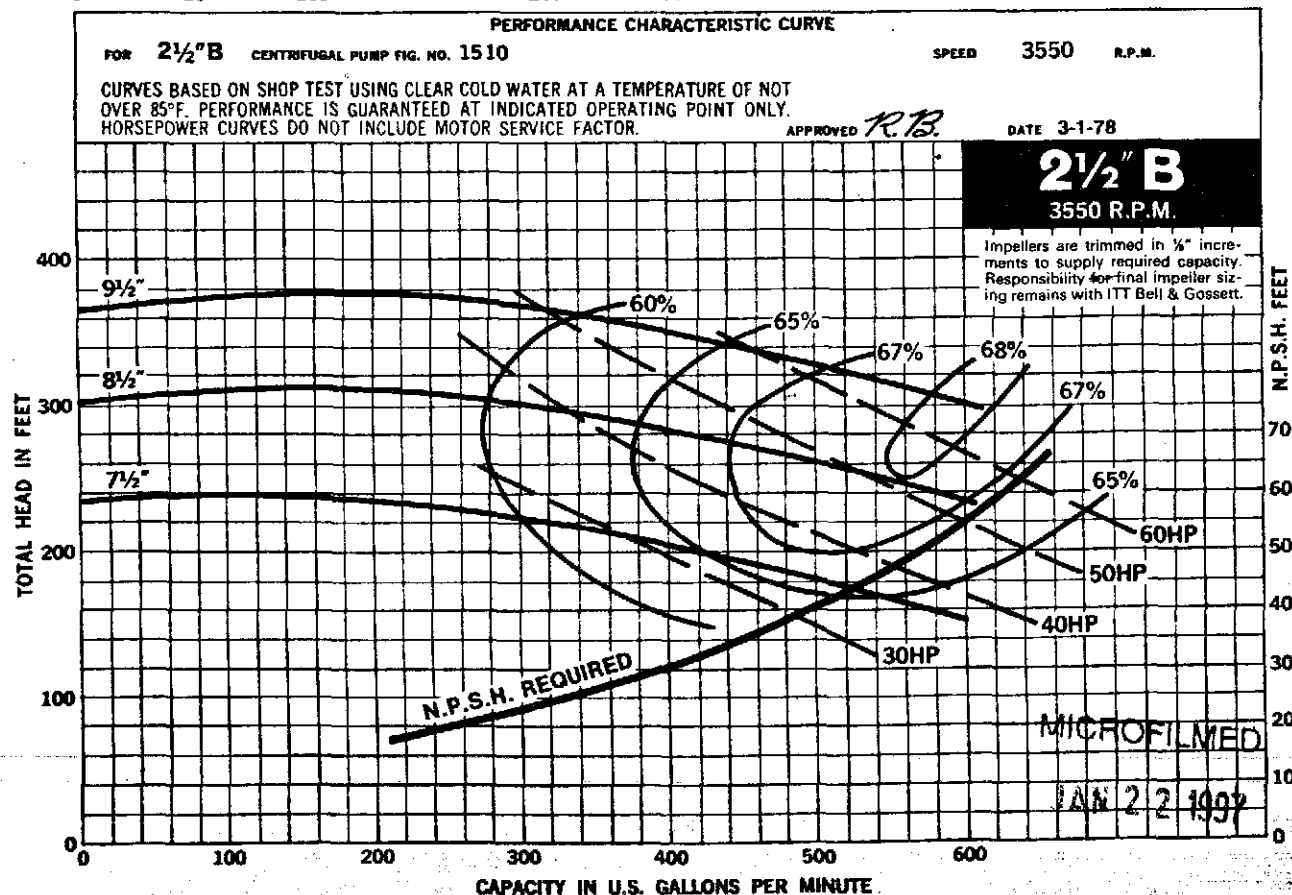
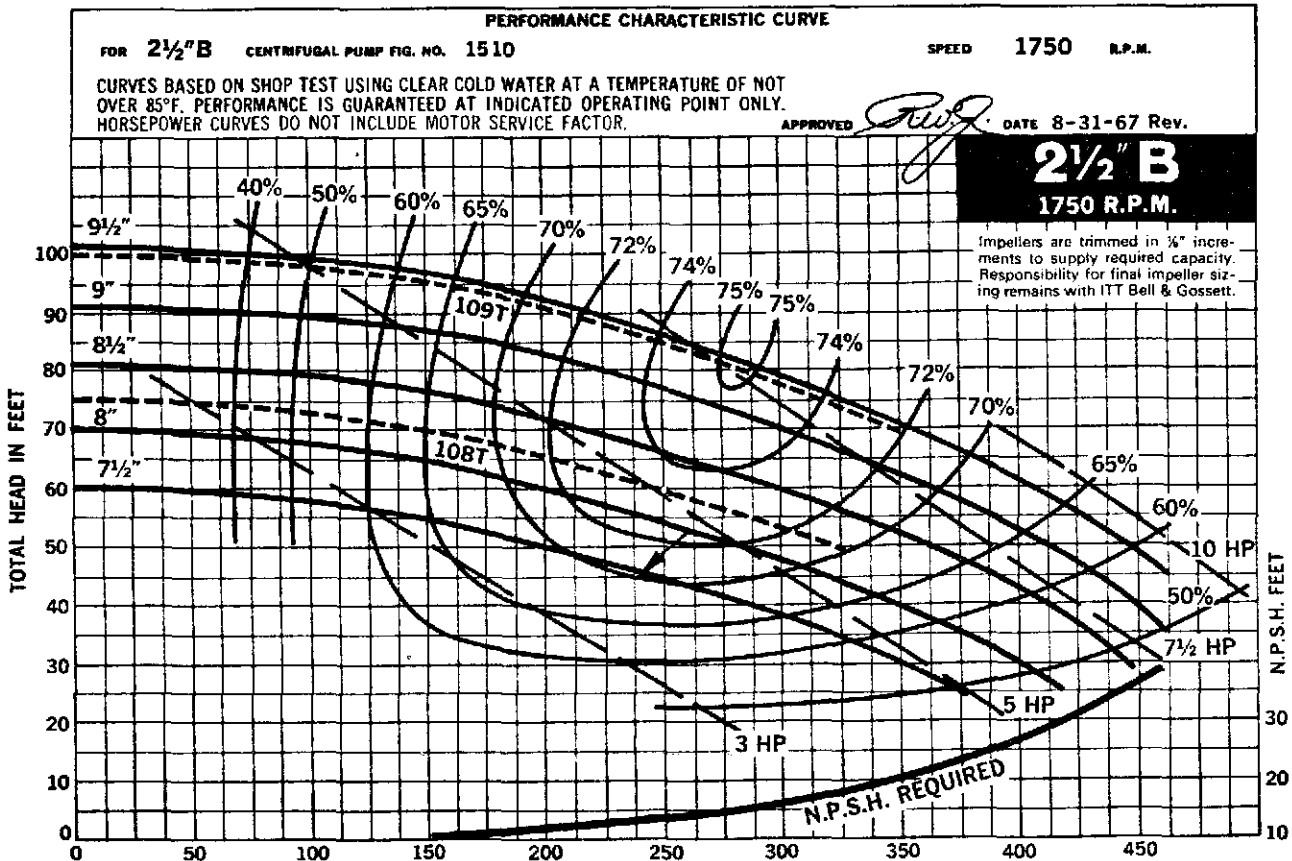
MAXIMUM WORKING PRESSURE 175 PSI
FLANGES ARE 125# ANSI

PUMP SIZE & DISCHARGE	SUCTION SIZE	MOTOR FRAME	PUMP DIMENSIONS (INCHES)																
			A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
			"S" FRAME								MAX.								MAX.
2½B	3"	182T	31		25						32½						16		
		184T		14½		12½	7½	3	4½	3½	33½	17½	10½	9½	6	6½		13½	¾
		213T	34½		28½						35½						16½		
		215T									37½								
"L" FRAME																			
2½B	3"	284TS									46½	19¾	13				21		
		286TS	46½	16	36½	14	8	5	5⅜	3½	48½			9½	6	6⅞		13¾	¾
		324TS									50	18¾	12				21		
		326TS									51½								
STUFFING BOX 1510-PF, 1510-S, 1510-D																			
PUMP SIZE & DISCHARGE	SUCTION SIZE	MOTOR FRAME	PUMP DIMENSIONS (INCHES)																
			A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
			"S" FRAME								MAX.								MAX.
2½B	3"	182T	34½		28½						36¼								
		184T		14½		12½	7½	3	4½	3½	37	17½	10½	9½	6	6½		13½	¾
		213T	39½		33½						39½								
		215T									41								
"L" FRAME																			
2½B	3"	284TS									49	19¾	13				21		
		286TS	51¾	16	41¼	14	8	5	5⅜	3½	50½			9½	6	6⅞		13¾	¾
		324TS									52½	18¾	12				21		
		326TS									54								

BELL & GOSSETT **ITT**
FLUID HANDLING DIVISION

1510

PERFORMANCE CURVES



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup, Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

APRIL 16, 1987

ONEIDA SCHOOL DISTRICT #351
250 WEST 400 NORTH
MALAD ID 83252

RE: Permit No. 15-7067

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit.

Before a license can be issued, a field examination must be made by a representative of this department.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 525-7161 or in person in the third floor State Office Building, 150 Shoup, Idaho Falls, Idaho.

Sincerely,
s/HAROLD W. JONES
Sr. Resource Agent

MICROFILMED
JAN 22 1987

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No. 15-7067
Name(s) of Permit Holder(s): ONEIDA Sch. Dist #351
Post Office Address: 250 W 400 N
MALAD, IDA. Tel. No. 766-2255

- ☒ I hereby certify that construction of diversion works for the above referenced permit began on Construction Completed (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*:

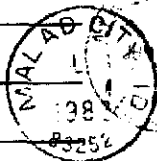
*Note: A financing difficulty is not an acceptable reason.

Date

Signature of Permit Holder

7-2-82

Donald L. May, Jr.



PLACE
STAMP
HERE

Department of Water Resources
JUL 8 1982



MICROFILMED

JAN 22 1997

RECEIVED
JUL 15 1982

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE

BOISE, IDAHO 83720

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL
FEBRUARY 28, 1987

138767

ONEIDA SCHOOL DISTRICT NO. 351
250 WEST 400 NORTH
MALAD, ID 83252

PROOF DUE NOTICE

RE: PERMIT NO. 15-7067

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 MAY 31, 1987. (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 COMPLETED 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

APR 10 1987

June 3, 1982

Oneida School District No. 351
c/o Howard A. May, Superintendent
150 W. 400 N.
Malad, ID 83252

Dear Sirs:

Re: Application for Permit No. 15-7067

Enclosed is a copy of your approved Application for Permit No. 15-7067 along with a copy of Order Adopting the Proposed Memorandum Decision and Order and a copy of the Memorandum Decision and Order.

Any person who does not agree with the decision of the department may request a rehearing before the director within twenty (20) days or may appeal directly to the district court within sixty (60) days of the date the decision is mailed.

Sincerely,

L. GLEN SAXTON
Chief, Operations Bureau

LGS:rf

cc: E. L. Scott
E. G. Crosthwaite
Reed M. Smith

Enclosures

MICROFILMED

March 15, 1982

E. L. Scott
Attorney at Law
44 Main Street
Malad City, ID 83252

Dear Mr. Scott:

RE: Permit No. 15-7067

Your letter of March 5, 1982 asks whether the above referenced permit could incorporate the necessary permit for underground injection of the water once it has been used for heating purposes. The memorandum decision included a reference to this permit only because the reinjection of all water diverted appears to be necessary to prevent a decrease in discharge of the protestant's spring (well). The Waste Disposal and Injection Well Act Chapter 39, Title 42 includes certain applications and fee requirements which must be met separate and apart from the water appropriation permit. The necessity to get input from the Health & Welfare Department and the other reviews necessary before taking action on a disposal well permit would also complicate and delay the issuance of a protested water right permit.

The department has previously supplied the necessary forms for making application for the disposal well to your client, but for your convenience, please find enclosed another application form, instructions for completing and the rules and regulations for the Waste Disposal and Injection Well Act.

Sincerely,

NORMAN C. YOUNG
Administrator
Resources Administration Division

NCY:alw
Encls.

EDWARD L. SCOTT
ATTORNEY AT LAW
44 MAIN STREET
MALAD CITY, IDAHO 83252
TELEPHONE 766-4000

RECEIVED

MAR 9 1982

Department of Water Resources

March 5, 1982

Mr. Norman C. Young, Engineer
Idaho Department of Water Resources
Broadbent Business Park
92 South Cole Road
Boise, Idaho 83709

Re: Permit No. 15-7067
Oneida School District #351

Dear Mr. Young:

I have reviewed your proposed Memorandum Decision in connection with the above permit dated February 18, 1982, with Supervisor of Schools, Howard A. May. We find the decision to be appropriate except for paragraph 2 of your Order which would require us to "obtain and maintain a valid permit for underground injection of all the water diverted under water right Application for Permit No. 15-7067."

We are wondering why this should not be incorporated as a part of the present permit application rather than go through the procedure of applying for any additional permit.

I will appreciate hearing from you in this.

Very truly yours,



E. L. Scott
Attorney at Law

ELS/jh

RECEIVED

MAR 6 1982

Department of Water Resources
Western Regional Office

MICROFILMED

UTAH STATE UNIVERSITY · LOGAN, UTAH 84322

UTAH WATER RESEARCH LABORATORY
UMC-82

COLLEGE OF ENGINEERING

31 March 1978

RECEIVED
JUN 19 1981

Mr. Reed M. Smith,
President
Magic Gas Company, Inc.
P.O. Box 183
Malad City, Idaho 83252

Department of Water Resources
Eastern District Office

Dear Mr. Smith:

Listed below are the results of the metals analyses performed on the Magic Gas sample.

<u>PARAMETER</u>	<u>UNITS</u>	<u>RESULT</u>
Copper	mg/l	0.032
Zinc	mg/l	0.007
Lead	mg/l	0.009
Arsenic	mg/l	0.017
Iron	mg/l	0.048
Nickel	mg/l	0.013
Barium	mg/l	0.805
Manganese	mg/l	0.043

Analysis for rubidium, strontium, titanium, zirconium, and yttrium are not presently done at the Utah Water Research Laboratory. If there are any questions please call me at (801) 752-4100, ext. 7821.

Sincerely,



Leslie Gardner,
Lab Technician

LG/1hk

MICROFILMED

THE UNIVERSITY OF UTAH
SALT LAKE CITY, UTAH 84112

COLLEGE OF MEDICINE
RADIOBIOLOGY LABORATORY
BUILDING 522
(801) 581-6600

23 October 1978

Mr. James M. Richards
Attorney at Law
Richards, Bird & Kump
333 East Fourth South
Salt Lake City, Utah
84111

RECEIVED
JUN 19 1981

Department of Water Resources
Eastern District Office

Dear Mr. Richards:

The samples of water and powdered precipitate originating in the mineral springs at Malad City, Idaho, and which you delivered to me for analysis, have been assayed for their radioactive content by gamma-ray spectrometry. Samples were sealed in #2 cans and placed in a freezer for at least 3 weeks so that secular equilibrium would be established between ^{226}Ra and its gamma-emitting daughters, ^{214}Pb and ^{214}Bi , via ^{222}Rn . Samples were then placed between a pair of 8×4 " NaI(Tl) crystals inside of a shielded enclosure constructed of 6" thick steel. Spectra were recorded by a 1024 channel pulse-height analyser and were compared to spectra obtained under similar conditions from a series of radioactive standards in identical containers.

These results indicated that the particular sample of water which you furnished contained about 150 pCi ^{226}Ra per liter, with a standard deviation of $\pm 17\%$. No other gamma-ray emitters could be identified in the water. Limits of detection were about 35 pCi ^{228}Ra , 232 mg potassium, and 35 pCi ^{228}Th .

The precipitate, however, contained about 18,000 pCi ^{228}Ra per kg, 14,000 mg potassium per kg, 30,000 pCi ^{226}Ra per kg, and 2,000 pCi ^{228}Th per kg (kilogram).

RECEIVED

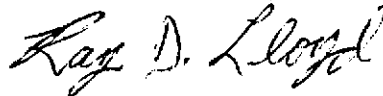
Mr. James M. Richards
23 October 1978
Page - 2 -

Ordinary soil has roughly 1000 pCi per kg each of ^{228}Ra , ^{226}Ra , and ^{228}Th , within about a factor of 3. Therefore, the activity concentration of the precipitate is up to 30 times greater than that of soil. It is uncertain whether the air concentration of radon daughters (^{218}Po , ^{214}Pb , ^{214}Bi , and ^{214}Po) in the immediate vicinity of the springs would necessarily be elevated as a result. Perhaps this deserves further study.

According to the recommendations of the International Commission on Radiological Protection (ICRP II, page 77), the maximum permissible concentration (M.P.C.) of ^{226}Ra in drinking water for exposure for 168 hours per week is 100 pCi per liter. The water sample which I evaluated was assigned a value of 150 ± 26 pCi/l at 90% confidence limit or 150 ± 51 pCi/l at 95% confidence and 150 ± 76 pCi/l at 99% confidence, which means that the concentration is more likely than not to be above the M.P.C., although there is a substantial probability that it could be at or below this value. Unless there is a compelling reason (ie., no other available local source) for this water to be used for human consumption, I would personally recommend against it.

I will retain all of the samples until 30 October 1978, and then discard them if I do not receive instructions from you to the contrary. If you have any questions about this report or about the experimental technique, results or interpretation, please call me.

Very truly yours,



Ray D. Lloyd, Ph.D.
Certified Health Physicist

MICROFILMED

FD-150

1119 Moncado Drive
Glendale, CA 91207
December 5, 1979

Reed M. Smith
P. O. Box 183
Malad, Idaho 83252

Dear Read:

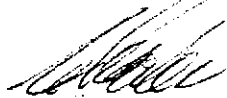
On August 9 you very kindly hosted George Sonntag and me at your place in Malad. Since then you were kind enough to write sending me a tape and other information about the curative powers of your special well,

I feel very negligent in not having acknowledged your kindness and thoughtfulness sooner. In going through some papers on my rather messy desk at home yesterday I discovered your material. My wife and I found it very interesting and have long since shared the information with our son in Detroit.

Distance and time preclude his accepting your very generous offer now. We all will be interested in knowing of any further developments as others in the health field look into the possibilities for helping certain kinds of medical problems.

Thanks again for your time and efforts. Again, please accept my apologies for taking so long to respond.

Sincerely,



Charles M. Brown

cc: George Sonntag

MICROFILMED

SALES AND SERVICE:

- Propane Gas
- Appliances
- Heating
- Insulation
- Air Conditioning
- Sheet Metal Fabrication

REED SMITH
President
Phone 766-2218

Magic Gas Company, Inc.



P. O. Box 183

Malad City, Idaho 83252

Malad, Idaho
July 11, 1979

On May 4, 1977 a friend read an article in the Salt Lake Tribune concerning the possibility of uranium deposits at Crystal Springs, Utah. The article noted that the water was radio active. The article was given to me and I was told the spring I own was also radio active. After consideration a geologist was hired to study the possibility of uranium deposits near the spring. A complete report was written and an analysis of the water was made. The study indicated that uranium was not evident. In talking with a medical doctor he suggested that because of the mineral content there could be possible benefits, if the water was used in a therapeutic tub. A small bath house and turbulating tub was later installed.

By chance a diabetic with severe circulatory problems ask to use the pool in February 1979. After two weeks of turbulating, great improvements were noted.

In April 1979 an article in the Salt Lake Tribune was written by Dr. Steven Peth stating hair reveals zinc roll in diabetics. Shortly after a call was made to Dr. peth, at a later date a conference telephone call was made with the Dr. and the diabetic. The diabetics Dr. was later called and the conversation was recorded. On June 14th, Dr. Jerry Palmer, Diabetic Control Center stated that after hearing the tapes and reading information sent to him , he was very interested. He stated that if it was possible to document with Medical Doctors five or six other diabetics what was stated in the tapes, he would be willing to recommend that a research center be established in Malad to determine what is helping the diabetic.

ENCLOSURE

Name of Water System		County	Date Collected (10-15)		Office Use Only	
REPORT RESULTS TO:			Mo	Day	Yr	PWS ID (1-7)
Full Name		Time Collected (16-19)		(20) Circle AM PM		LID
Address		Collected By				
City		State	Zip Code		Trans Code (8-9)	
Sample Location		(21-23)		Container Type		Preservative Used
Sample Type (Check One)		☐ C - CHECK ☐ D - REG. DISTRIBUTION		☐ R - RAW WATER ☐ S - SPECIAL		☐ None ☐ Nitric Acid ☐ Sodium Hydroxide ☐ Sulfuric Acid ☐ Other

[illegible]

▼ Check Desired Analysis						SECONDARY						▼ Check Desired Analysis						OTHER					
✓	ID	CONTAMINANT NAME Maximum Limit		Method	ANALYSIS RESULTS*						✓	ID	CONTAMINANT NAME		Method	ANALYSIS* RESULTS							
	1017	Chloride	250	153								1927	Alkalinity (Total)	157									
	1905	Color (C.U.)	15 units	129								1003	Ammonia (As N)	147									
	1022	Copper	1	101								1016	Calcium	141									
	1027	Hydrogen Sulfide	.05	155								1915	Hardness (as CaCO ₃)	141									
	1028	Iron	.3	101								1031	Magnesium	101									
	1032	Manganese	.05	101								1925	pH (pH units)	135									
	1920	Odor No. (T.O.)	3	133								1042	Potassium	101									
	2910	Phenols	.001	209								1049	Silica	143									
	1055	Sulfate	250	137								1052	Sodium	101									
	2905	Surfactants	.5	207								1926	Spec. Cond. Umhos/cm	145									
	1930	Total Dissolved Solids	500	139																			
	1095	Zinc	5	101																			

Lab Supervisor Signature

Analysis Completion Date (Mo, Day, Year) -

INTER-DEPARTMENT MEMO — 1

FROM

NCF

DATE

6/12/81

TO

File 15-7067

SUBJECT

CONF. ON 6/9/81

Applicant & protestant agreed to let
dept. make decision if agreement is not
submitted in 60 days.

MICROFILMED

SIGNATURE

IN THE MATTER OF)
APPLICATION FOR PERMIT)
NO. 15-7067 IN THE) STIPULATION
NAME OF ONEIDA SCHOOL)
DISTRICT NO. 351) AGREEMENT

We believe that the issues involved in this matter were adequately presented before the Dept. of Water Resources at the conference held in Malad Idaho June 9, 1981. We hereby agree to allow the Dept. to reach a decision in this matter based upon the information presented at the conference and with the understanding that the Depts decision can be appealed within 20 days or to the District Court within 60 days.

signed at Malad, Idaho this
9th day of June 1981.

Oneida School Alist #351

By Howard G. May
Superintendent
E. L. Scott
Attorney

Reed M Smith
Mojave Gas Co Inc.

MICROFILMED

MALAD - 6/9/81

Permit # 15-7067

Applicant - Ed Scott Howard May
E.G. Crosthwaite

Protestant - Reed M. Smith

Dept - Young & Carlson
Ed Scott

Peak demand 150 gpm - cold
ave demand 25 gpm even heating season
No intent to use for air conditioning

Closed system - pumped well to
discharge well
No loss of water or
gas

Wells are 4 1/2 ft apart

Injection well 725 ft cased to
445

production well ⁷³⁰~~535~~ ft cased to

Another production well

1st well will be injection well
2nd well has bit broken off in it
3rd well will be drilled & cased to
take water only from 730 ft level

Mineralized water.

Mr Smith -

Concerned over material in system -
PVC pipe & stainless steel in heat
exchanger

MICROFILMED

Concerned that drilling fluids will go into formation & plug off his springs.

injection well will be between prod well & Smith's spring (crosshatched)

High Radon content in spring & in well water.

Pump test on 1st production well drilled up Mr Smith's.

Mr Smith's source is a natural spring tried to case it but unsuccessfully

Has permit 15-7052 - 100 gpm

Comes out at 82°F must heat to bathing temp. (90° to 106°F)

- Have used to treat horses -

Use to treat diabetics - test being run with intent to build treatment hospital.

Weir measured flow - 100 ft downstream from the spring vent - increased from 18 gpm to 22 gpm when injection was occurring.

USGS measured 44 gpm on spring in 1976

Many changes in flow occur from spring to weir.

MICROFILMED

Crosthwaite - will drill with mud
only to above water zone - then drill
with air.

explained three purposes of mud -
not aware of drilling mud invading
an aquifer to any depth, distance.

Smith - $\frac{3}{4}$ mile from spring to well.

Willing to restrict to bentonite

Hearing recessed to allow time
to draft suggested agreements & for
applicant to check on drilling materials
& protestant to check with drilling
expert.

MICROFILMED

⑦ Pump Testing of ~~the~~ ^a well drilled by the applicant effected the flow from the spring. ~~The~~ artesian well was owned by the protestant indicating a ~~hydrologic~~ hydraulic connection between the warm water source sought to be appropriated and that being used by the protestant.

Conclusions of law

- ① The water available to prior existing water rights will not be reduced if the water diverted ~~under application~~ for the project proposed by application for permit # 15-7067 is returned continuously in quantity to the aquifer from which it was diverted.
- ② ~~The~~ application for permit # 15-7067 can be approved with conditions to prevent injury to the ^{prior} water rights of the protestant.
- ③ The applicant is entitled to a permit from the Dept of Water Resources

Order

- ① Subject to all prior water rights
- ② Applicant ~~shall~~ maintain a valid permit ^{uninterrupted} ^{for} to inject ^{per} the waters diverted under permit # 15-7067
- ③ That the diversion and use be nonconsumptive
- ④ ~~That~~ ^{diverted under permit 15-7067 be returned} returning all waters directly to the aquifer from which they were diverted.
- ⑤ That the division of the Dept of Water Resources retain jurisdiction

The rights of the protestant and other prior water rights holders are not adversely affected. 15-7067 to remain

MICROFILMED

CONFERENCE APPLICATION 15-7067

ONEIDA SCHOOL DISTRICT

DATE: JUNE 9, 1981

APPLICANT REPRESENTED BY:

E.L. SCOTT

E.G. CROSTHWAIT - CONSULTANT

HOWARD MAY - SUPT.

PROTESTANT REPRESENTED BY:

REED M. SMITH

DEPT NORM YOUNG & RON CARLSON

E.L. SCOTT -

2 wells have been drilled to
acquire warm water for thermal
energy - 10° temp drop thru system
system will be closed w/ no loss of water
CROSTHWAIT - Peak demand 150 gpm

AUG 11 25 gpm

over heating system

There will be no water demand
for air conditioning

wells are 475' feet apart.
injection well cased to 445'
total depth 775'

production wells 775', 730'
3'd well will be drilled & cased
to 700 feet.

MICROFILMED

Mr. Reed Smith - Since well has been pumped spring has diminished & has not ever returned to original flow.

will drilling fluids shot off spring

Crosthwaite - injection well between school production well & Smith spring.

water has a fairly high radon content.

water quality will not be changed by

Mr. Scott. During testing of well open discharge there was an effect on Smith spring.

Mr. Smith - There is no well associated w/ his spring. However he has posted a 20" casing down about 4 feet.

Spring is used for health benefits water right permit 15-7052.

Water is heated from 82° to 90°-106°. Water drained after each person. I identified 13 different minerals in water plus Radon Gas

MICROFILMED

Crosthwaite -

Parshall weir - 18 - 22 gpm
measured increase during period
injection well was used
USGS measured 44 gpm in 1972

Mr. Smith will supply copy of
Raymond J. Chicoine

MICROFILMED

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR)
PERMIT NO. 15-7067 IN THE NAME OF)
Oneida School District No. 351)

STIPULATION & AGREEMENT

BY THIS STIPULATION, the undersigned parties to the above-captioned case waive compliance with the requirements of Idaho Code, Section 67-5211, including the right to a proposed decision, to file exceptions to a proposed decision and to present briefs and oral arguments to the Director of the Department of Water Resources and agree that the Director may render a final decision in this case without first submitting a proposed decision.

Dated this _____ day _____, 19____.

MICROFILMED

Meeting Room, Oneida Courthouse, Malad, Idaho

Tuesday, June 9, 1981 (9:00 a.m.)

ROSTER OF ATTENDANCE

Hearing Officer Norman Young

Name	Address	Representing
E. L. Scott	PO Box 145 MALAD	SCHOOL DISTRICT
E. G. Crosthwaite	8821 Churchill Rd, Boise	school district
HOWARD A MAY, Supt	129 BANNOCK, MALAD	SCHOOL DIST
Reed m Smith	PO Box 183	magic gas Co

MICROFILMED

- **SENDER:** Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

- ☒ Show to whom and date delivered.....\$
☐ Show to whom, date and address of delivery.....\$
☐ RESTRICTED DELIVERY
 Show to whom and date delivered.....\$
☐ RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery \$ _____

(CONSULT POSTMASTER FOR FEES)

2. **ARTICLE ADDRESSED TO:**

Reed Smith, President
 Magic Gas Co., Inc.
 P.O. Box 183
 Malad, Idaho 83252

3. **ARTICLE DESCRIPTION:**

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	17177	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

4.

DATE OF DELIVERY

5-29-81

POSTMARK

5. **ADDRESS** (Complete only if requested)

6. **UNABLE TO DELIVER REASON:**

CLERK'S
INITIALS

MICROFILMED

#15-7067

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE: \$300



RETURN

TO



Department of Water Resources
Eastern District Office

DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE
150 SHOUP AVE.
IDAHO FALLS, IDAHO 83401

(Name of Sender)

(Street or P.O. Box)

(City, State, and ZIP Code)

RECEIVED

JUN 1 1981

● **SENDER:** Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

- ☒ Show to whom and date delivered..... \$
☐ Show to whom, date and address of delivery.... \$
☐ **RESTRICTED DELIVERY**
 Show to whom and date delivered..... \$
☐ **RESTRICTED DELIVERY.**
 Show to whom, date, and address of delivery \$

(CONSULT POSTMASTER FOR FEES)

2. **ARTICLE ADDRESSED TO:**

Oneida School District #351
 250 W. 400 N.
 Malad, Idaho 83252

3. **ARTICLE DESCRIPTION:**

REGISTERED NO.

CERTIFIED NO.

INSURED NO.

17176

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE

☐ Addressee

☐ Authorized agent

4.

DATE OF DELIVERY

5-29-87

POSTMARK

5. **ADDRESS** (Complete only if requested)

MICROFILMED

6. **UNABLE TO DELIVER BECAUSE:**

CLERK'S
INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

#15-7067

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RETURN



DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE

150 SHOUP AVE.

(Name of Sender)
IDAHO FALLS, IDAHO 83401

(Street or P.O. Box)

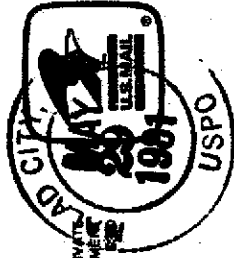
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JUN 1 1981

Department of Water Resources
Eastern District Office

PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE, ETC.



NAME AND ADDRESS OF SENDER		DEPARTMENT OF WATER RESOURCES EASTERN DISTRICT OFFICE 150 SHOUP AVE. IDAHO FALLS, IDAHO 83401		Indicate type of mail ☐ Registered ☐ Insured ☐ COD ☐ Certified		I certify that we have ☐ Commercial Insurance ☐ A deductible clause of \$		Affix stamp here if issued as certificate of mailing or for additional copies of this bill. POSTMARK AND DATE OF RECEIPT				
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1	171710	Onida School District #351 Malad, Id.	18	75				60		✓		15-7062
2	171727	Reed M. Smith, Malad, Id.	18									"
3	171728	U.S. Forest Service 324 25th St. Hayden, Utah	18									15-7074 13-7283
4	171729	Guth Thomas Route #1 Malad, Id.	18									15-7071
5	17180	David Deschamps Route #1 Malad, Id.										"
6	17181	Edward L. Scott 44 Main Street Malad, Id.										"
7	17182	Malad Valley Navigation Co. 404 S. 1st St. Malad, Id.										15-7075
8	17183	Gary Conley P.O. Box 25 Boise, Id.										"
9	17184	Bill Davidson 636 Pershing Road Malad, Id.										"
10	17185	Michael R. Smith for Reed Smith Malad, Id.										17-7075
11	17186	Keat Smith Holbrook, Route Malad, Id.										"
12	17187	Steve Reel State, Id.										"
13	17188	Gerald Leavitt Route #4 McCannan, Idaho										29-7582
14	17189	Oak Gibson Gibson Ranch, McCannan, Idaho										"
15	17190	Barlo Gilbert P.O. Box 287 Grace, Idaho										13-7301
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15		15	C.R.									

BEFORE THE DIRECTOR OF THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR)
PERMIT NO. 15-7067 IN THE NAME)
OF ONEIDA SCHOOL DISTRICT NO. 351)

NOTICE OF HEARING
&/OR CONFERENCE

On January 21, 1981, Oneida School District No. 351 filed with the Department of Water Resources an application to appropriate the public waters of the State of Idaho. On February 19, 1981, the Department received a protest against approval of said application from Reed M. Smith, President Magic Gas Company, Inc.

The Department has set the matter of protest for hearing for Tuesday, June 9, 1981, at 9:00 a.m. in the Meeting Room (basement), Oneida County Courthouse, Malad City, Idaho. The hearing will be held in accordance with provisions of Chapters 2 and 17, Title 42, and Chapter 52, Title 67, of the Idaho Code and adopted Rules of Practice and Procedure of the Department of Water Resources. Opportunity shall be afforded all parties to respond and present evidence and argument on all issues involved. A pre-hearing conference may be held beginning at the above set time and prior to the hearing.

In accordance with Idaho Code, Section 42-203, the following issues are involved in the consideration of the application and protest(s):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purpose intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use conflict with the local public interest?

MICROFILMED

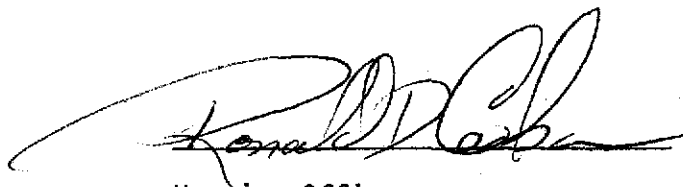
Any party may request in writing five (5) days before any hearing that the oral proceedings thereof be taken in the form of stenographic notes at the expense of the requesting party. Any party may have such stenographic notes of the oral proceedings, or part thereof, transcribed at his own expense. A taped record of the proceedings will be maintained for the appeal period.

If the hearing is conducted by a hearing officer appointed by the Director, rather than the Director himself, a proposed decision will be submitted to the parties and the parties may be afforded an opportunity to file exceptions to the proposed decision and present briefs and oral arguments to the Director prior to the issuance of a final decision by the Director. This procedure is required by Idaho Code, Section 42-1701A.

The parties by written stipulation may waive their right to a proposed decision, however, the failure of either party to waive a proposed decision will not prejudice the Director's review of a party's evidence and arguments. However, such a waiver will shorten the decision-making process and may expedite substantially the issuance of a final decision. Whether compliance with Section 42-1701A is waived will not affect a party's right to petition for a rehearing of the final decision pursuant to Rule 11 of the Department's Rules of Practice and Procedure or affect a party's right to appeal the final decision to the district court.

Failure to appear at the time and place set for hearing by the applicant or protestant(s) may allow the Department to dismiss without prejudice the protest(s) or the application. Any and all cost incurred by reason of such non-appearance may be assessed against such non-appearing parties.

Dated this 28th day of May, 1981.


Hearing Officer

MICROFILMED

02/04/81

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DEPARTMENT OF WATER RESOURCES
NEW WATER RIGHT FILINGS

FEB 23 1981

INDICATES TOTAL

Department of Water Resources

RIGHT NUMBER	NAME ADDRESS	DATE	USE	PERIOD FROM TO	MAX AMOUNT MAX RATE	DIVERSION POINT	PLACE OF USE AND ACREAGE	BASIS FOR RIGHT
--------------	--------------	------	-----	----------------	---------------------	-----------------	--------------------------	-----------------

01-4038	PROGRESSIVE IRRIGATION DISTRICT P.O. BOX 2093 IDAHO FALLS	06-01-1980	STOCKWATER	11-01-11-31	200.00 CFS	SESE S05 T034 R41E S254 S31 T044 R41E	STARRY CLM	Water master
---------	---	------------	------------	-------------	------------	--	------------	--------------

11-1221	SOURCE: SNAKE RIVER, SOUTH FORK OTHER USES: S/5000 CATTLE, SHEEP & HOGS. REMARKS: P/O IN SWSW, S31, T40, R41E IN DEFESSION COUNTY. P/O WITHIN DISTRICT BOUNDARIES OF PROGRESSIVE IRR. DIST.	01-23-1981	POKER	01-01-12-31	4.00 CFS	HWSE S18 SWSA T11S R43E S08 T11S R43E	APPLICATION	
---------	--	------------	-------	-------------	----------	--	-------------	--

13-4135	KACHILEY, EVAN M. KACHILEY, LOIS C/O WILLIAM GOODMAN, ALJOURNEY P.O. BOX 61 RUPERT	04-10-1984	TRIBUTARY: BEAR RIVER	05-15-10-01	4.00 CFS	HWSE S33 SESE(20) RESSE(40) T10S R40E SESE(40) RESSE(20) SESE S26 HWSE(40) SESE(40) T10S R40E S33 T10S R40E SESE S33 T10S R40E HWSE S33 T10S R40E	STARRY CLM	11
---------	--	------------	-----------------------	-------------	----------	--	------------	----

	SOURCE: SPRINGS OTHER USES: S/1000 RANGE, 1200 SHEEP, 300 POULTRY.		TRIBUTARY: BEAR RIVER					
--	---	--	-----------------------	--	--	--	--	--

STOCKWATER 01-01-12-31 26 CFS SAME AS OTHER USE 200 ACRES*

10-08-1892	DOMESTIC	01-01-12-31	4.26 CFS	HWSE S33 HWSE T10S R40E S33 T10S R40E	STARRY CLM	
------------	----------	-------------	----------	--	------------	--

15-7067	UNCLIDA SCHOOL DISTRICT NO. 351 250 WEST 400 NORTH MALAD SOURCE: GROUNDWATER	01-01-21-1981	HEATING	09-01-05-31	33 CFS	HWSE S27 T14S R36E	APPLICATION	
---------	---	---------------	---------	-------------	--------	-----------------------	-------------	--

contact over
boundary - may
need to be present

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

15 7067

INITIAL REVIEW BY: HWJ

APPLICATION NUMBER: Onida Sch. Distr.

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ 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.

Field check by: _____

Date: _____

Comments: _____

☐ 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.

*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. _____

☒ Yes ☐ No* In form for advertising.

Final date for protests: Feb. 23

Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

☒ Affidavit of publication received. Date: 2/17/81

☒ 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? _____

1/21/81 Date of priority recommended.

Special conditions of approval or cover letter. _____

By: _____ Date: _____

STATE OFFICE REVIEW:

See Memorandum

☐ See attached sheet for more information.

By: _____ Date: _____

RECEIVED
13
JAN 28 1982

Department of Water Resources

February 19, 1981

Oneida School District #351
250 W. 400 N.
Malad, Idaho 83252

Gentlemen:

Enclosed is a copy of a protest filed against the issuance of a permit pursuant to your Application No. 15-7067. The Department suggests you contact the protestant directly in an effort to determine the nature of the protest and to attempt to resolve the protest.

If you do not advise us 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 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 purpose 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.

Very truly yours,

RONALD D. CARLSON
Eastern Regional Supervisor

RDC:cw:kw

Enclosure

cc: IDWR - State Office

MICROFILMED

February 19, 1981

RE: Application for Permit No. 15-7067 ONEIDA SCHOOL DIST. #351

Reed Smith, President
Magic Gas Company, Inc.
P.O. Box 183
Malad City, Idaho 83252

Dear Mr. Smith:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us 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 purpose 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.

Very truly yours,

RONALD D. CARLSON
Eastern Regional Supervisor

RDC:cw:kw

cc: IDWR - State Office

RECEIVED
FEB 22 1981
IDWR

SALES AND SERVICE:

- Propane Gas
- Appliances
- Heating
- Insulation
- Air Conditioning
- Sheet Metal Fabrication

REED SMITH
President
Phone 766-2218

Magic Gas Company, Inc.



P. O. Box 183
Malad City, Idaho 83252

To: C. Stephen Allred
Director
Idaho Department of Water Resources
150 Shaupe Avenue
Idaho Falls, Idaho 83401

From: Reed M Smith
President Magic Gas Co., Inc.
Malad, Idaho 83252

Re: Protest of application for Permit No. 15-7067

RECEIVED

FEB 19 1981

Department of Water Resources
Eastern District Office

I Reed Smith on behalf of the Magic Gas Co., Inc. on this 10th day of February 1981, do hereby formally protest the application of Oneida School Dist. #351. The Magic Gas Co., presently has a permit no.15-7052 for the development for a bath house facility; located at the following described property, SE 1/4 of SW 1/4 of Section 27 Township 14S, Range 36 EBM Oneida County.

On previous occasions the Oneida County School District has pumped from wells drilled on their property, as property is described in their application for permit. Each time they pumped our artesian well stopped flowing. We presently have people using and needing the bath facility for medicinal purposes and are denied the use of the facility when the waters flow is interrupted.

We therefore feel its very necessary that nothing will be allowed to interrupt the water flow or the mineral content.

Sincerely,

Reed M Smith
President

RECEIVED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave.
Idaho Falls, Idaho 83401
(208) 525-7161

JANUARY 30, 1981

The Idaho Enterprise
P. O. Box 205
Malad City, Idaho 83252

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. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. 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 FEBRUARY 23, 1981.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

MICROFILMED

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application(s) have been submitted for permit to appropriate the public waters of the State of Idaho:

If issued, the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 150 Shoup Ave., Idaho Falls, Idaho 83401 on or before FEBRUARY 23, 1981.

C. STEPHEN ALLRED

Director

Published 2/5 & 2/12/81.

MICROFILMED

ONEIDA SCHOOL DISTRICT NO. 351

250 WEST 400 NORTH, MALAD, ID 83252

Source: GROUNDWATER

Date Filed: 01/21/1981

Amount: 0.33 CFS

Diversion Point: SWNE Sec 27 T 14S R 36E, ONEIDA Co.

Use: HEATING (0.33 CFS) from 09/01 to 05/31

Place of Use: SENW Sec 27 T 14S R 36E

Diversion Means: WELL & PUMP.

MICROFILMED

Office of Superintendent

Oneida County Schools

District No. 351

250 West 400 North

Malad City, Idaho

January 16, 1981

Mr. Harold W. Jones
Idaho Dept. of Water Resources
1515 Lincoln Rd.
Idaho Falls, ID 83401

Dear Mr. Jones:

The project that the Oneida School District has underway does not fit the application of Permit for Well so will give the following supplemental information:

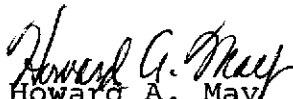
The Oneida district is drilling two wells. Well No. 1, which will be used for an injection well, is presently drilled to a depth of 725 ft. Well No. 2 is presently drilled to the 730 ft. level and water from well No. 2, which is 82', will be pumped through the school where heat pumps will extract approximately 10' of heat from water which will be reinjected into well No. 1.

Engineering estimates are that the maximum amount of water needed during coldest months would be an average of 30 gal. per minute during the month.

Well No. 2 presently flows at an estimated 75 gal. per minute.

Enclosed is application fee of \$45.00.

Sincerely,


Howard A. May
Superintendent

HAM/cw

MICROFILMED

RAYMUNDO J. CHICO, INC.

To

Magic Gas Company, Inc.
Malad City, Idaho

September 2, 1977

MICROFILMED

RAYMUNDO J. CHICO, INC.

MINERALS EXPLORATION
PROFESSIONAL GEOLOGISTS

SUITE 710, REPUBLIC BUILDING
1612 TREMONT PLACE, DENVER, COLORADO 80202
P.O. BOX 111, DENVER, COLORADO 80201

TELEX 45-885

PHONE (303) 534-2010

September 1, 1977

Mr. Reed M. Smith
President
Magic Gas Company, Inc.
P. O. Box 183
Malad City, Idaho

Re: Geological Reconnaissance for
Uranium within a hot spring
(S.27, T.14N., R.36E.) and
Adjacencies, Malad Area,
Oneida County, Idaho

Dear Mr. Smith:

What follows comprises our findings on the subject of reference based upon our field work of June 28, 1977, results of chemical assays of samples collected and literature retrieved on the subject.

We conclude there is no evidence of uranium mineralization values of significance nor Radium values of magnitude within the hot spring exposed conduit examined on the property of Magic Gas Company. The presence of some radon gas in the hot spring water points towards a nearby radioactive occurrence, probably but not certainly uranium.

The extense alluvial cover within the Malad Valley makes it impossible at this time to gather additional field evidences for a conclusive statement ruling out completely the liklihood of uranium. Radioactivity above background has been detected at the hot springs conduit. No direct rock exposures exist within the valley surface. The determination of such a potential cannot be achieved. The chemical assays for uranium (U_3O_8) of water samples collected during the regional survey yield less than ten parts of U_3O_8 per billion. Rock and soil samples adjacent to the hot spring conduit have insignificant U_3O_8 values. All these sample locations with their respective chemical values are shown on Plate 1 of this report.

Magic Gas Company, Inc.

September 1, 1977

-2-

Outside the Malad Valley area, northeasterly in the Bannock Range and at about 9 miles on S.7 T.13S. and R.37E., samples from a former prospect visited with you and Mr. Paul Mills of Malad City, have yielded uranium (U_3O_8) values equal to 30 parts per million (sample No. 14), and 19 parts per million (sample No. 15). These are the highest U_3O_8 chemical values obtained during our sampling survey. For your information, it is indicated here that 30 parts per million U_3O_8 (uranium oxide) equals to 0.003% of U_3O_8 (uranium oxide). Commercial uranium evidences leading towards potential uranium targets of significance generally have uranium values ten times higher than the fraction of uranium percent of sample number 15. (Specifically 0.03% U_3O_8 will be required.)

Your curiosity and desires to find out whether or not a uranium deposit could be indicated by the water analyses for Radium (Radium 226 measured in picocuries per liter) can be answered this way. Firstly, the newspaper item associating Radium values of the Crystal Spring of Utah to a possible uranium deposit and the original research article on the subject of the U.S. Geological Survey (see Appendix I) is of academic nature only. Specifically, calculations leading to uranium poundages in subsurface inferred from the measurements of Radium 226 in the Crystal Spring are based on the assumption of uranium presence--the Radium 226 is a daughter product. Uranium 238 does not guarantee that uranium still is present (it could have been leached).

Secondly, assuming validity and correctness of the speculation of the newspaper article and U.S. Geological Survey news release and article, the water analyses of the Crystal Spring yielded over ten times the amount of Radium 226 of the hot spring of your property at the Malad City area. (Note that Radium 226 of sample No. 17 equals to 36 picocuries per liter, and the sample of Crystal Springs equals 410 picocuries per liter.)

Review of geological literature on the Malad and the Bannock Ranges east and northeast of Malad City reveals the presence of consolidated sediments of fifteen geological formations belonging to Cambrian, Ordovician, Silurian, Devonian, Tertiary and Quaternary Systems. These formations are composed primarily of limestones, dolomites and shales with a few quartzite and sandstone units. These rocks have (with

RAYMUNDO J. CHICO, INC.

Magic Gas Company, Inc.

September 1, 1977

-3-

the exception of quartzites and sandstones) a lower uranium content than most rock formations found within uranium provinces.

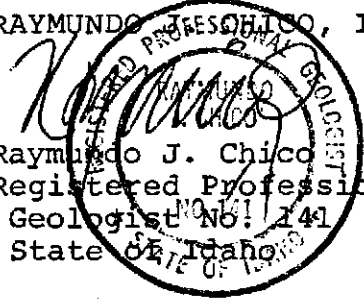
On the basis of the above, it leads us to indicate that no uranium dissemination "blanket type deposit" can be expected within the Malad and Bannock Ranges and the subsurface of the Malad Valley. Any presence of uranium and related radioactivity if found might more likely occur within some of the numerous faults of the structurally controlled ranges. With that guideline in mind, we have drawn on the Plate I all the known exposed faults (heavy lines) and known concealed faults (dotted lines) for further reference. Prospecting along these faults structures would serve to establish by measuring radioactivity values and further sampling whether or not the Malad Range and the subsurface of the Malad Valley could host uranium mineralization within concealed faults. This is a possibility only.

The map of Plate I and Appendix I enclosed herewith are submitted as back-up data of this report. Chemical analyses were performed in Denver by the Colorado School of Mines Research Foundation, Hazen Research, Inc. and by the Fluo X Spec Laboratory.

Thank you for the confidence placed in our services.

Very truly yours,

RAYMUNDO J. CHICO, INC.


Raymundo J. Chico
Registered Professional
Geologist No. 141
State of Idaho

Enclosures
Plate I and
Appendix I

rjc/d

RAYMUNDO J. CHICO, INC.

MAGIC GAS COMPANY, INC.
MALAD CITY, IDAHO

RE: Geological Reconnaissance for
Uranium within a hot spring
(S.27, T.14N., R.36E.) and
Adjacencies, Malad Area,
Oneida County, Idaho

APPENDIX I

Chemical Assays & Miscellaneous

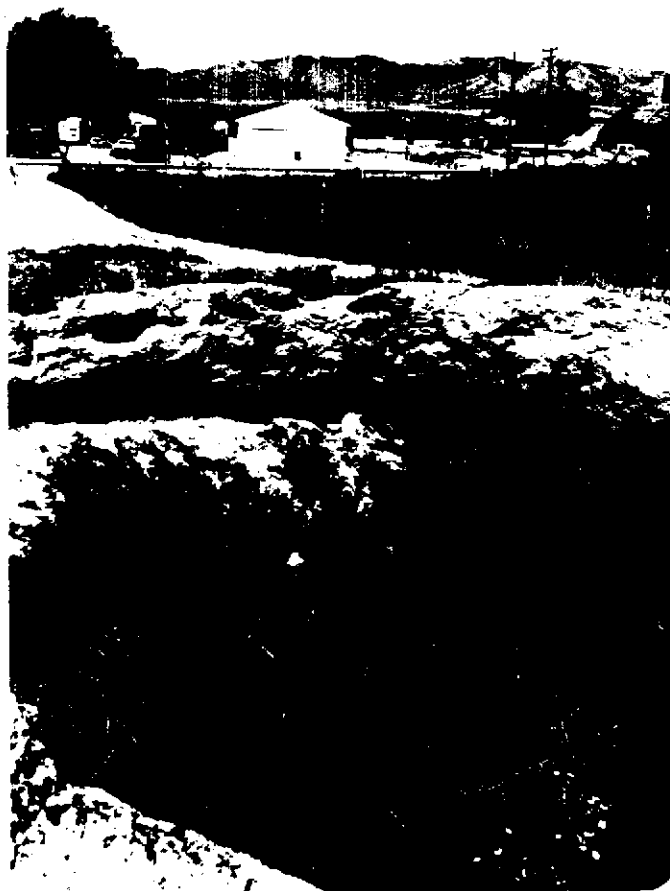


Figure 1: Hot Spring conduit within Mr. Reed M. Smith's property (S.27 T.14N. R.36E.), Malad Valley, Idaho. This is the site of Samples 1, 2, 3, 4 and 17. The sedimentary rock capping the edge of the conduit is travertine (CaCO_3). Radioactive values above background but no uranium have been encountered here.

Colorado School of Mines Research Institute

P.O. BOX 112 • GOLDEN, COLORADO 80401
PHONE (303) 279-2581

CSMRI

July 11, 1977

Raymundo J. Chico, Inc.
Suite 710, Republic Bldg.
1612 Tremont Place
Denver, CO 80202

Dear Sir,

Please find summarized below analytical results for your
samples 1, 4, 13, 15, for U_3O_8 .

<u>Sample</u>	<u>U_3O_8 (ppm)</u>
- 1	1.7
- 4	< 1.0
13	9.0
15	19.0

Sincerely,



Paul A. Westcott, Ph. D.
Manager Analytical Services.

PAW/br

HAZEN RESEARCH, INC.

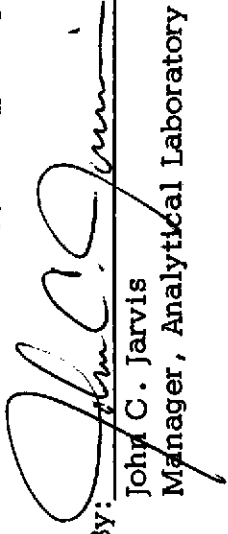
4801 INDIANA STREET
GOLDEN, COLORADO 80401
TELEPHONE 303/275-4501

Mr. Raymundo J. Chico
Raymundo J. Chico, Inc.
Minerals Exploration
P. O. Box 111
Denver, Colorado 80201

Date: August 26, 1977
HRI Project: 002-9A
HRI Series: 11776
Samples Received: 6/30/77

REPORT OF ANALYSIS

Analysis No.	Sample Designation	mg/l (ppm) U ₃ O ₈	% U ₃ O ₈	Ra ²²⁶ ± Precision*	pCi/l
11776-1	#2	0.005	---	---	---
-2	#5	0.003	---	---	---
-3	#6	0.007	---	---	---
-4	#7	0.003	---	---	---
-5	#8	0.003	---	---	---
-6	#9	0.003	---	---	---
-7	#10	<0.002	---	---	---
-8	#11	0.009	---	---	---
-9	#12	0.003	---	---	---
-10	#14 - Rock	---	0.003	---	---
-11	#16	0.003	---	---	---
-12	#17	<0.002	---	36 ± 8	---

By: 

John C. Jarvis
Manager, Analytical Laboratory

eah

*Variability of the radioactive disintegration process (counting error) at the 95% confidence level, 1.96σ.

FLUO RESCENT
X RAY
SPEC TROGRAPHIC
Analytical Laboratory

I-IV

718 Sherman Street (rear)
Denver, Colorado 80203
Phone (303) 837-1396
Merlyn L. Salmon, Manager

XXXX QUALITATIVE
XXXX SEMI-QUANTITATIVE
 QUANTITATIVE

ANALYTICAL REPORT

TO: R. Chico

Job Number 21670

Page 1 of 1 Pages

Date 15 July 1977

SAMPLE: - 3

NOTE: The values below are estimated percentages for the metal equivalent of the indicated elements. No check was made for elements with atomic numbers less than 22 (below titanium).

Copper 0.005
Silver _____
Gold _____
Zinc 0.008
Cadmium _____
Mercury _____
Gallium _____
Indium _____
Thallium _____
Germanium _____
Tin _____
Lead 0.002
Arsenic 0.002
Antimony _____
Bismuth _____
Selenium _____
Tellurium _____
Bromine _____
Iodine _____

Iron 1.3
Cobalt _____
Nickel 0.003
Cesium _____
Rubidium 0.025
Barium 0.11
Strontium 0.023
Titanium 0.14
Zirconium 0.026
Hafnium _____
Thorium _____
Vanadium _____
Columbium _____
Tantalum _____
Chromium _____
Molybdenum _____
Tungsten _____
Uranium _____
Manganese 0.073

Lanthanum _____
Cerium _____
Praseodymium _____
Neodymium _____
Samarium _____
Europium _____
Gadolinium _____
Terbium _____
Dysprosium _____
Holmium _____
Erbium _____
Thulium _____
Ytterbium _____
Lutetium _____
Yttrium 0.009

By Merlyn L. Salmon

Wednesday, May 4, 1977

The MINING RECORD**Radium In Utah Spring Is Clue
To Possible Uranium Deposit**

A possible deposit of uranium has been detected in northern Utah by measuring the amount of radium — a decay product of uranium — in the waters of Crystal Springs north of Honeyville in Box Elder County, two U.S. Geological Survey scientists said.

J. Kraen Felmlee and Robert A. Cadigan, USGS geologists, Denver, Colo., said the spring water apparently picks up the radium produced by the radioactive uranium as the water passes underground through uranium-bearing rock before reaching the surface.

The two USGS geologists outlined their findings in a paper prepared for delivery to the Second USGS Uranium-Thorium Research and Resource Conference April 27-28, 1977, at the Colorado School of Mines in Golden, Colo.

On the basis of concentration of radium in Crystal Springs water, the rate of flow of the water, and the known rate of decay of uranium into radium, Felmlee and Cadigan calculated that the amount of uranium

required to maintain the present production of radium at Crystal Springs is at least 6,000 tons (5,500 metric tons).

They added, however, that the uranium could be either concentrated in a small area — which might make it worth mining — or it could be scattered over a wide subsurface area so thinly that it would not be worth mining.

Felmlee and Cadigan said their technique of locating possible uranium deposits by measuring the concentration of radium in spring waters could be used in exploring for uranium in other areas.

RAYMUNDO J. CHICO, INC.

MINERALS EXPLORATION
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July 11, 1977

Mr. Reed M. Smith
President
Magic Gas Company, Inc.
P. O. Box 183
Malad City, Idaho 83252

Dear Mr. Smith:

This is to acknowledge your assistance given to me while conducting a geological survey on your property and adjacencies as per your June 15, 1977 written request.

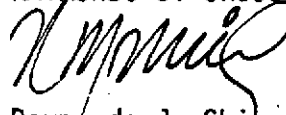
The radium and uranium analyses (sent to 3 different laboratories) will be ready by the end of this month. Therefore, no results are available now.

By mid-August, I expect to have all the data needed for the final evaluation of minerals potentials in the area of our survey.

Again, thank you for your assistance and understanding regarding the laboratory delay (caused by the radium measurements techniques).

Very truly yours,

RAYMUNDO J. CHICO, INC.


Raymundo J. Chico
President

rjc/d