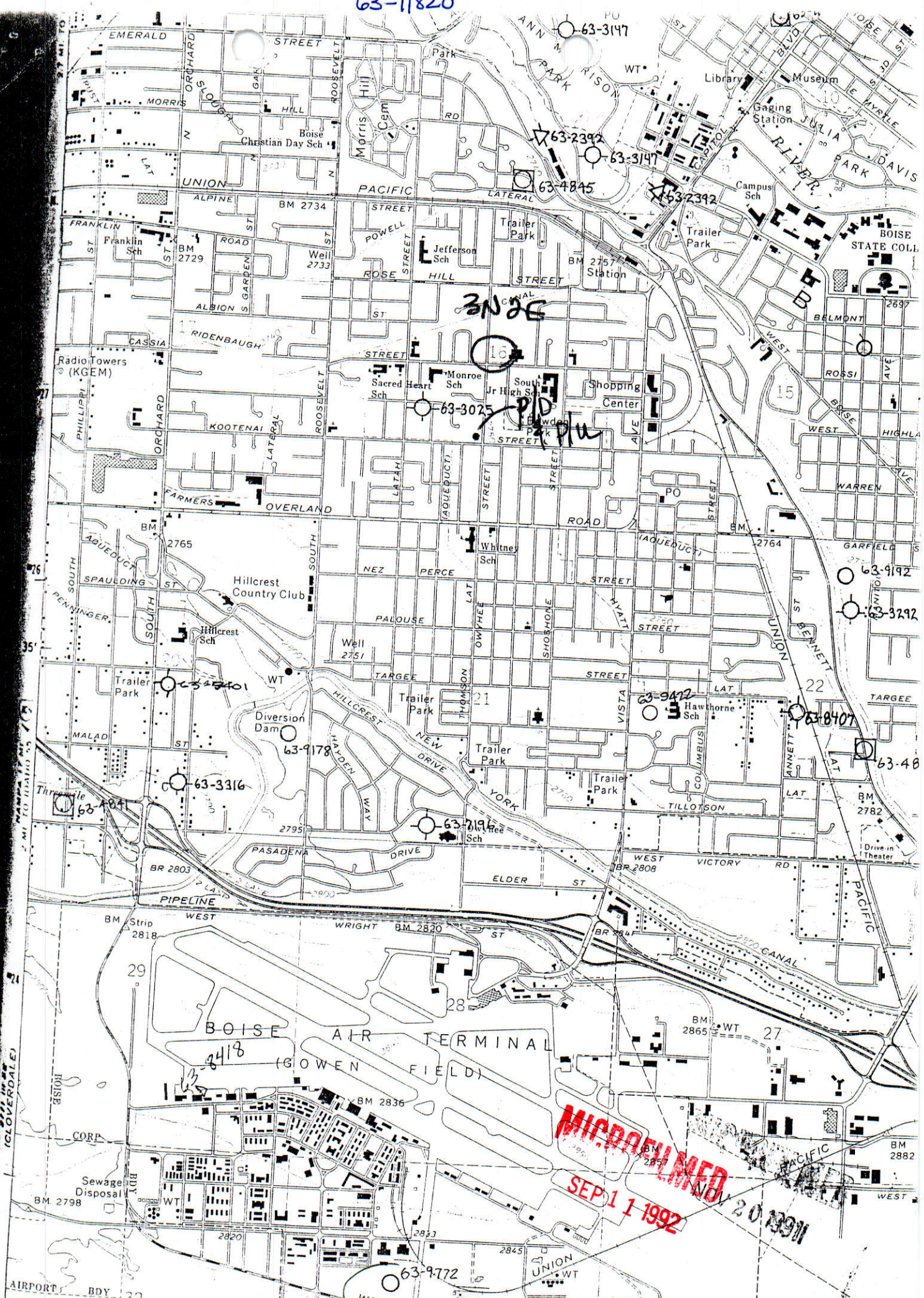
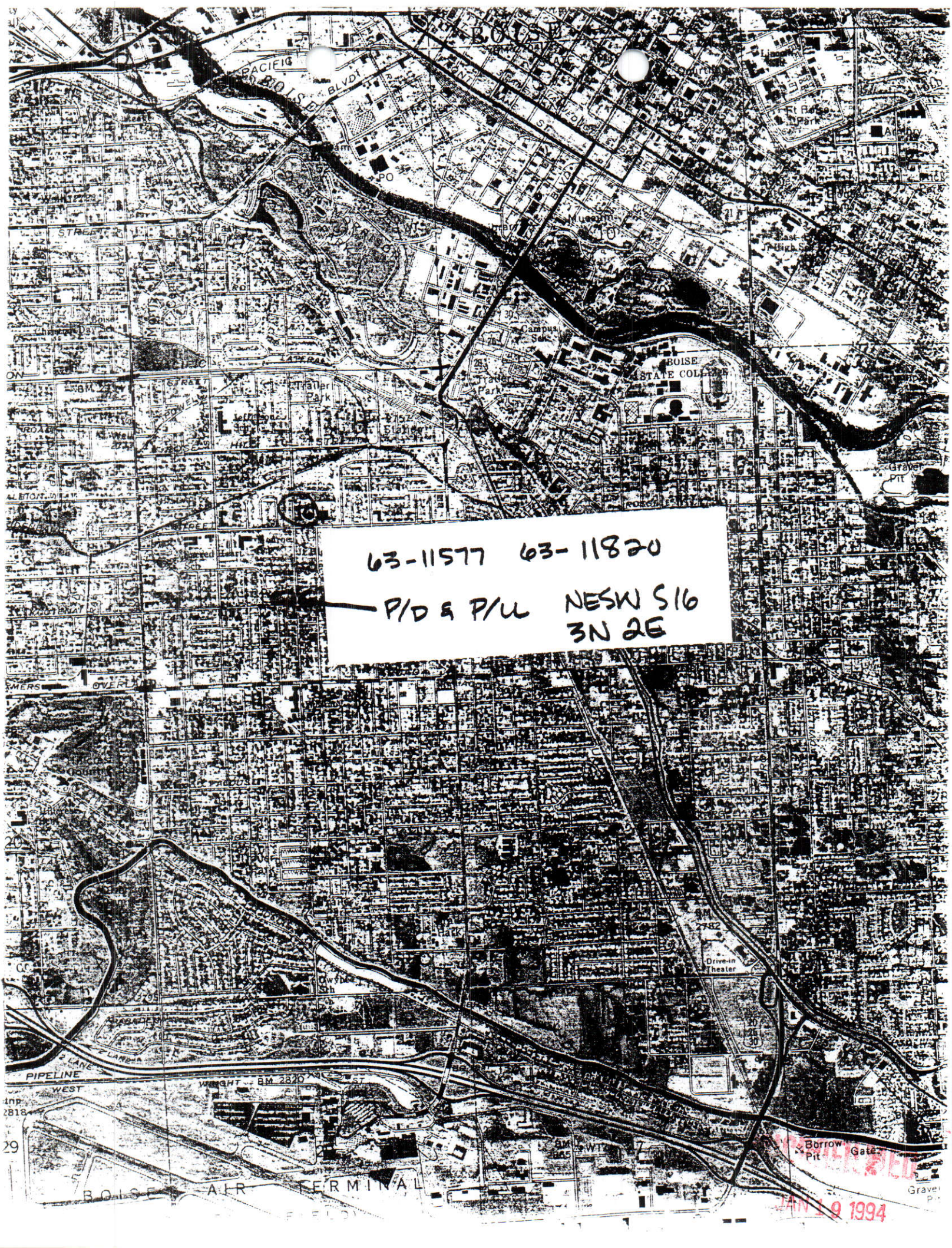


63-11820



MICROFILMED
SEP 11 1992
20 1991



63-11577 63-11820

P/O & P/U NESW S16
3N 2E

Borrow Pit Gate
JAN 19 1994



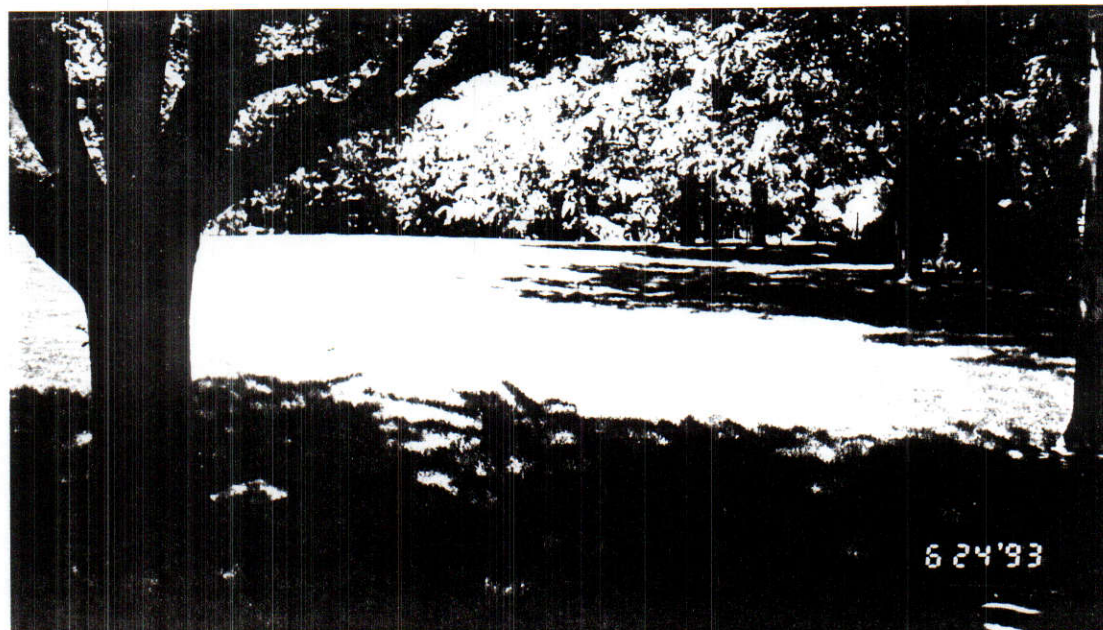
63-11577
63-11820

P/D. Right-hand
line to flood
System.
Left-hand
line w/ valve
to Sprinklers



P/u, backyard

→ Ditch for
flood irrig.



P/u front yard
Sprinklers in
border against
Property line.

JAN 19 1994

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-11820

Priority: May 5, 1992

Maximum Diversion Rate: 0.01 CFS
Maximum Diversion Volume: 3.2 AF

This is to certify, that J FREDERICK MACK

1117 S OWYHEE

BOISE ID 83705

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated May 5, 1992; and has submitted Proof of Beneficial Use on August 18, 1992. An examination indicates that the works have a diversion capacity of .130 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>
IRRIGATION	03/15 to 11/15	0.01 CFS	3.2 AF

LOCATION OF POINT(S) OF DIVERSION: NESW , Sec. 16, Township 03N, Range 02E
ADA County

PLACE OF USE: IRRIGATION

<u>TWN RGE SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
03N 02E 16	NESW 0.7			0.7

Total number of acres irrigated: 0.7

CONDITIONS/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 limited to the amount that can actually be beneficially use 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. This right when combined with Right No. 63-11577 shall provide no more than .03 cfs per acre nor more than 4.5 afa per acre for the lands above.

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 12TH day of January, 1994.

Acting for R. Keith Higginson, Director

JAN 19 1994

RECEIVED

AUG 18 1992

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

OFFICE USE ONLY

Amt. of Fee \$ _____
Date _____
Receipt No. _____
Receipt by _____

PROOF OF BENEFICIAL USE

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

1. Permit No. 63-11820 Telephone No. 336-1650
342-1507
2. Name(s) of Permit Holder(s): J. Frederick Mack
3. Mailing Address: 1117 S. Owyhee, Boise, Idaho 83705
4. Source of Water: ground water
- If **GROUNDWATER**, Well Driller's Name: Stevens & Sons Date Drilled: 3/5-7/92

OPTIONAL:

Pump horsepower: 3 Pressure (psi): _____ Dynamic pumping level (ft.): _____

5. Extent of Use (as authorized by the permit):

Domestic _____ (No. of households) Stockwater _____ (No. and type of stock)

Irrigation 1 (No. of acres) Other _____

6. Total rate and/or volume for which proof is submitted 0.01 cfs OR _____ acre/feet

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

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

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

8. Fee Enclosed: \$ 10- (See License Fee Schedule on back of Instruction Sheet)

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

Fred Mack 342-5000
Name Telephone No.
1117 S. Owyhee, Boise, Idaho 83705
Address

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

MICROFILMED

SEP 11 1992

Aug 14, 1992 [Signature]
Date Signature (and title, if on behalf of a company or organization)

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11820

Proposed Priority: May 5, 1992 Maximum Diversion Rate: 0.01 CFS
This is to certify, that J FREDERICK MACK
1117 S OWYHEE
BOISE ID 83705

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

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	03/15 to 11/15	0.01 CFS

LOCATION OF POINT(S) OF DIVERSION: NESW , Sec. 16, Township 03N, Range 02E
ADA County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
03N	02E	16	NESW	1		1

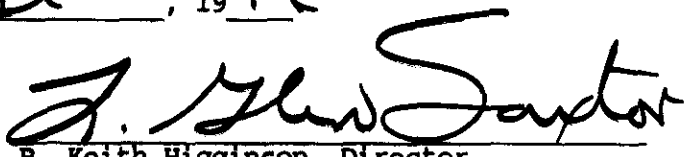
Total number of acres irrigated: 1

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before September 1, 1993.
2. Subject to all prior water rights.
3. This permit does not authorize the development and irrigation of new land not previously irrigated.

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

6th day of August, 1992

for 
R. Keith Higginson, Director

MICROFILMED

SEP 11 1992

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MAY 05 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 63-11820

MAY 07 1992

Department of Water Resources

Department of Water Resources
Western Regional Office1. Name of applicant J. Frederick Mack Phone 336-1650Post office address 1117 S. Owyhee, Boise, ID 837052. Source of water supply Groundwater which is a tributary of _____3. Location of point of diversion is _____ 1/4 of NE 1/4 of SW 1/4, Govt. Lot _____Sec. 16 Township 3N Range 2E B.M. Ada County; additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 0.01^{cfs} for irrigation purposes from 3/15 to 11/15 (both dates inclusive)
(cfs or acre-feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)5. Total quantity to be appropriated is (a) 0.01 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. well with 6 inch
casing and pump

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet; period of year when water will be diverted to storage: _____ to _____ inclusive.

Existing ~~proposed~~ well diameter is 6 inches; existing ~~proposed~~ depth of well is 160 feet.c. Is ground water with a temperature of greater than 90°F being sought? No.7. Time required for the completion of the works and application of the water to the ~~proposed~~ beneficial use is1 year years (minimum 1 year).

SEP 11 1992

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

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

9. Description of place of use:

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

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3N	2E	16									1								1.0

Total number of acres to be irrigated 1.0

10. Describe any other water rights used for the same purposes as described above. Permit no. 63-11577

11. a. Who owns the property at the point of diversion? J. Frederick Mack

b. Who owns the land to be irrigated or place of use? J. Frederick Mack

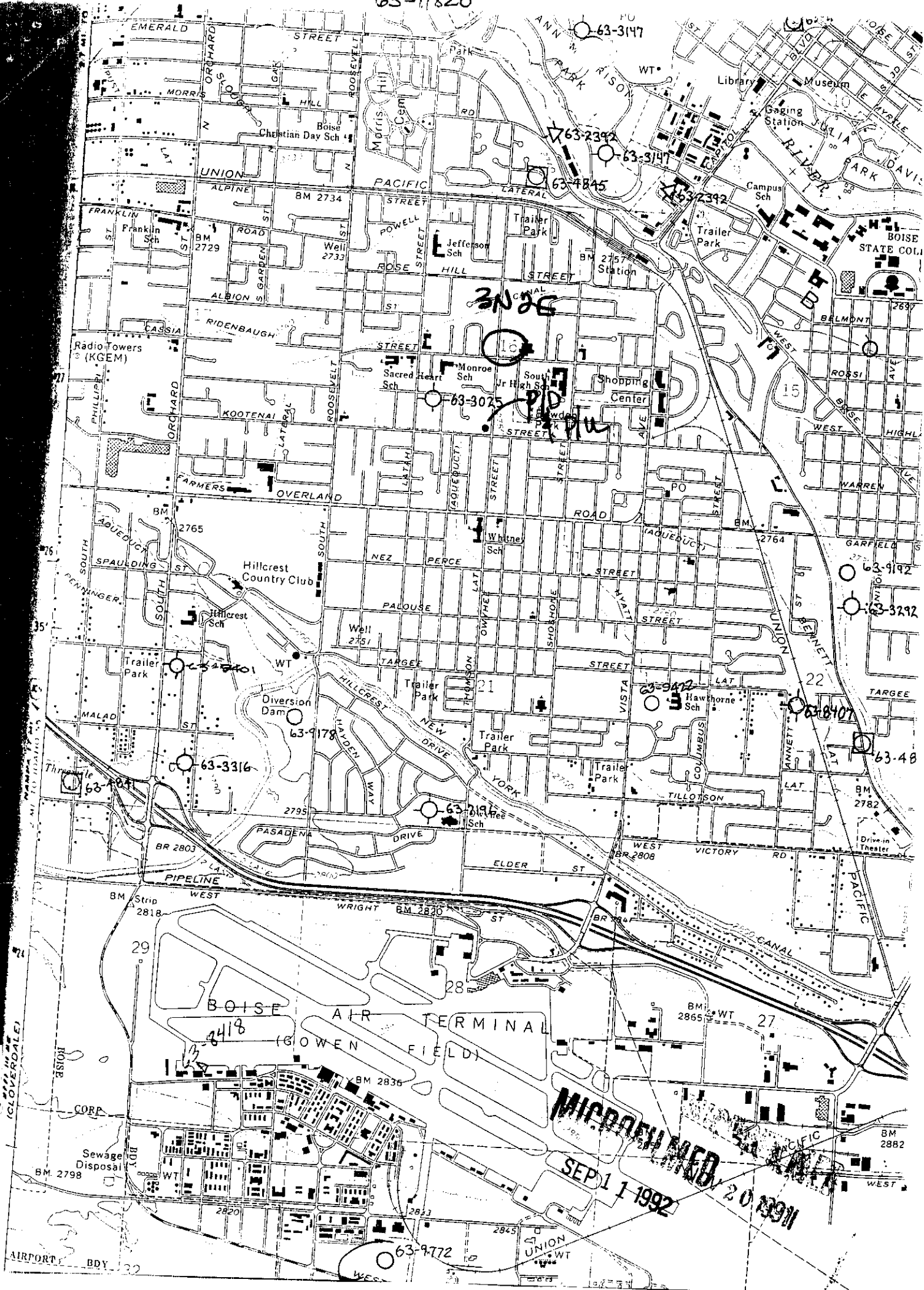
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: _____

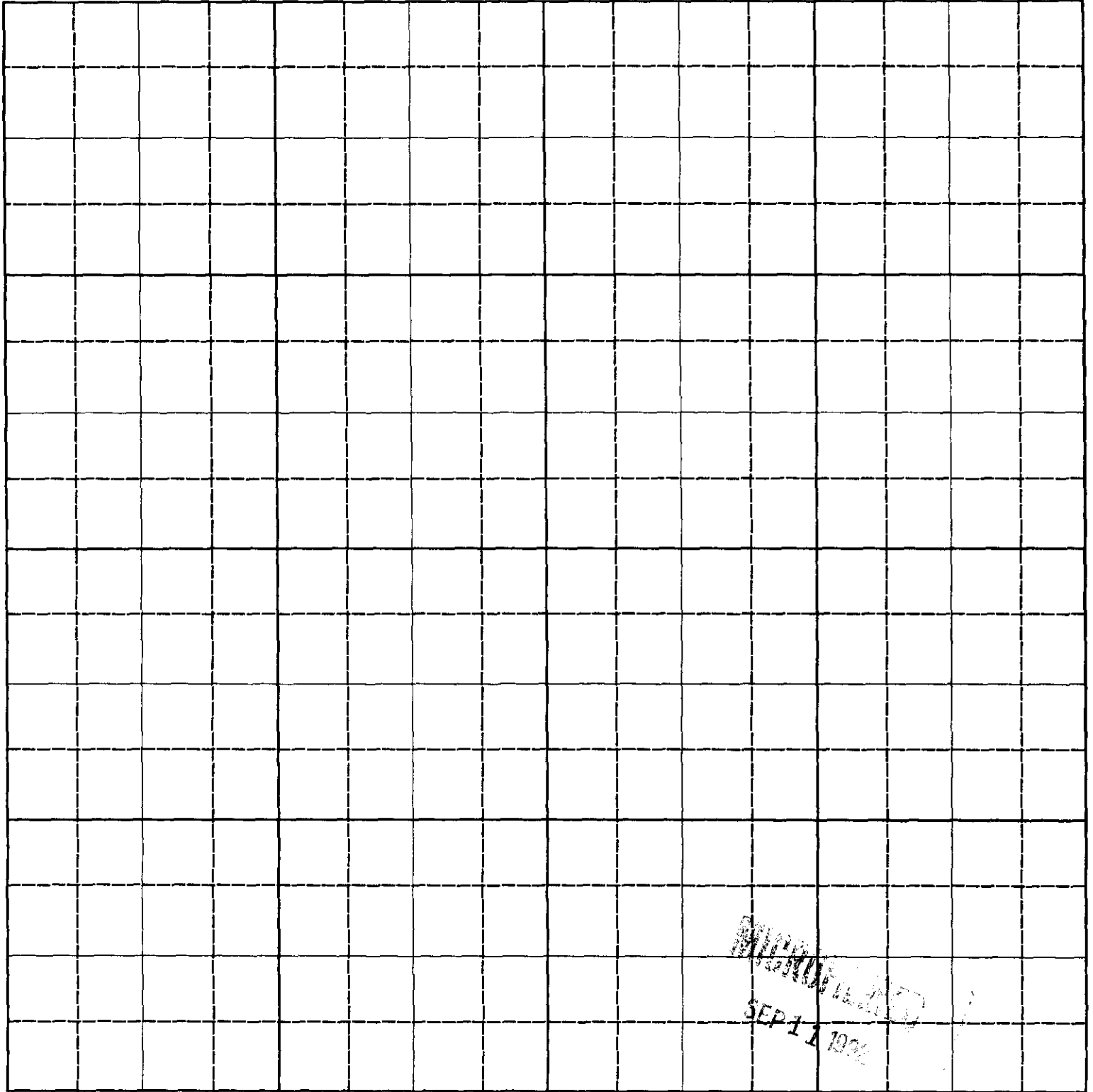
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SEP 11 1991

63-3147



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



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SEP 11 1926

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.

A handwritten signature in cursive script, appearing to read "C. C. [unclear]", written over a horizontal line.

(Applicant)

Received by MM Date 05-07-92 Time 1:45 pm Preliminary check by gy
Fee \$ 30.00 Receipted by gy # C024038 Date 5-5-92
Publication prepared by GG Date 5-13-92 Published in ID Statesman
Publication approved ST Date 6-20-92
5/21 & 5/28/92

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

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

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

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

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SEP 11 1992



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

January 13, 1994

J FREDERICK MACK
1117 S OWYHEE
BOISE ID 83705

RE: WATER RIGHT NOS. 63-11577 and 63-11820

Dear Water Right Holder(s):

Enclosed herewith are copies of the Water Right Licenses issued on the above referenced permits.

Sincerely,



JIM JOHNSON
Water Rights Supervisor

Enclosures

RECORDED

JAN 19 1994

WR0749NP
No. L63-11820

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

DATE: 01/06/94
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	J FREDERICK MACK 1117 S OWYHEE BOISE ID 83705 (208) 336-1650	05/05/1992	IRRIGATION	03-15 11-15	0.01 CFS	3.2 AFA
TOTAL DIVERSION:					0.01 CFS	3.2 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 0.13 CFS

Point(s) of Diversion: T03N R02E S16

NESW

ADA County

Place of use Legal Description for: IRRIGATION

NE				NW				SW				SE													
T	R	S		NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:	SUM	
				Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	:	
03N	02E	16	:					:						:					:					:	0.7
TOTAL ACRES																							0.7		

Pou County: ADA

Other Water Rights with Same Point(s) of Diversion and Source:
63-03025 63-11577 63-11820 L63-11577

Other Water Rights Listing Overlapping Place(s) of use:
63-02089 63-03025 63-11577 63-11820 L63-11577

Remarks: This right when combined with Right No. 63-11577 shall provide no more than .03 cfs per acre nor more than 4.5 afa per acre for the lands above.

Dates: App. Received: 05/05/1992 Priority Date: 05/05/1992
Proof Due Date: 09/01/1993 Proof Made Date: 08/18/1992
Exam Made Date: 06/24/1993 Exam Sent to S.O.: 08/31/1993
Licensed Date:

Misc: Water District Number: 63 Field Exam Fee: N (Not Required)

Comments: Date: 08/04/1992 User-ID: MILLER Subject: MORATORIUM EXEMPTION
This permit authorizes an increase in flow but not volume. It increases the permit holder's cfs to the allotted amount for one acre.

Date: 08/18/1992 User-ID: VAULT Subject: Proof of Beneficial Use Rcvd
Proof of Beneficial Use Rcvd

Audit: 01/06/94 CHAPMAN 01/06/94 CHAPMAN

LICENSE REVIEW CHECKLIST

Permit # 63-11820

Date 1-6-94

Brenda Chapman

NAME	Yes ☐ No ☒	Or Address Change?
PRIORITY DATE	☐ ☒	Advance? ☐ Advanced to: ☐
	☐ ☒	Order to Reinstate Needed?
	<u>NA</u> ☒	Incorrect Fee for rate recommended?
SOURCE	☐ ☒	Changes? Clarification of Originally Intended source
	☐ ☒	Notice of Intent to Void - Source change.
P/D	☒ ☒	Amendment Needed?
	☒ ☐	Overlap(s) <u>63-11577</u>
P/U	☐ ☒	Amendment Needed?
	☒ ☐	Overlap(s) <u>63-11577</u>
TOTAL CFS	☐ ☒	Measurement ☐ Theoretical only ☒
		<u>Did not use open discharge to measure Q. Q = .13 CFS</u>
		Allowable Amount: <u>Permit @ .01</u>
		Capacity of System: <u>.13</u>
TOTAL VOLUME		Season of Use: <u>9/4.5</u>
	☐ ☒	Calculations:
		<u>.7 x 4.5 = 3.2</u>
		Flow limit: <u>.01 x 246 x 1.9835 = 4.87</u>
USES	☐ ☒	Change(s) in Nature of Use?
	☐ ☒	Amendment Needed?
REMARKS	☐ ☒	Multiple P/Ds in 1/4 1/4?
	<u>W3</u> ☒	Special Overlap <u>.03 / 4.5</u>
CONDITIONS	☐ ☒	Measuring/Locking Devices
	☐ ☒	W/Master Control ☒ Water Dist
	☐ ☒	Irrigation Overlap ☐ App Rec'd
	☐ ☒	Water Quality ☐ Exam Made
	☐ ☒	Other ☐
COMMENTS:	☐	

RECOMMENDED	CFS	DIV VOL	LICENSE
<u>Irrigation</u>	<u>.01</u>	<u>3.2</u>	☒
☐	☐	☐	1ST AMEND LETTER ☐
☐	☐	☐	2ND AMEND LETTER ☐

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
SEP 3 - 1993
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 63-11820

1. Owner: J. Frederick Mack

Phone No. 336-1650

Current Address: 1117 S. Owyhee Boise 83705

2. Accompanied by: Fred & Mona Mack

EXAM DATE: 6/24/93

Address: _____

Phone No. Fred-work
342 5000

Relationship to Permit Holder: _____

3. Source: groundwater

tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-11577, 3025

2. Other water rights with the same point of diversion: 63-11577, 3025, 2089

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SE	NE	SW	16	3N	2E	Ada	Site visit, Orthophoto

2. Place(s) of Use:

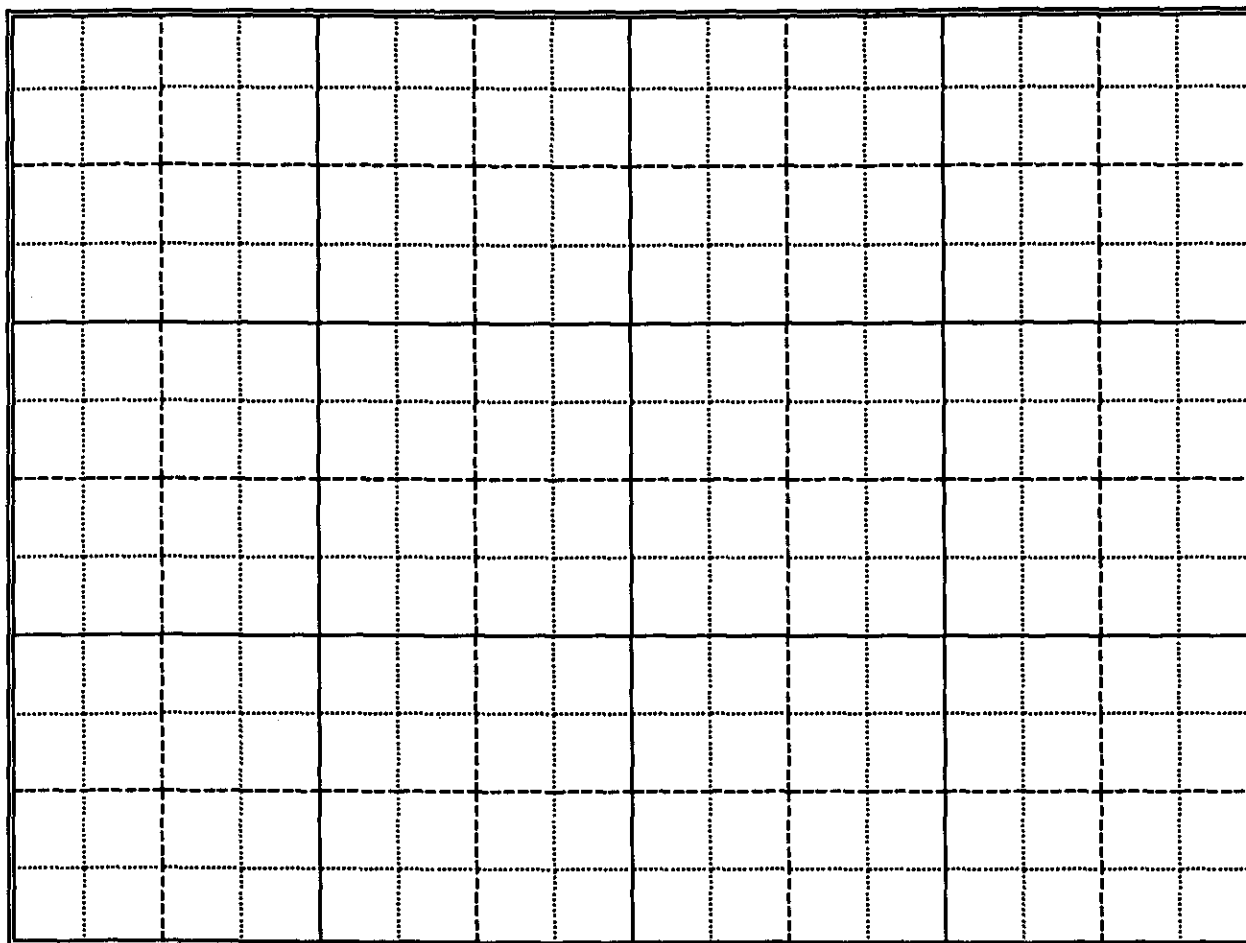
Indicate Method of Determination Above

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
3N	2E	16									.7								.7

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JAN 19 1994

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. *See 63-11577*



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

See 63-11577

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
		3	Submersible		2"

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: *None-theoretical HP equation*

Microfilm

JAN 19 1994

E. NARRATIVE/REMARKS/COMMENTS

6"x165' well, yard irrigation only. 2" discharge to 1/4" mainline around perimeter for sprinkler irrigation, balance of property is flood irrigated (open discharge to small ditch)

Well is valued to operate either sprinkler set or flood set.

~~Water~~

Flow on this permit is additional flow for same acre under 63-11577, using same well. No additional acreage or volume awarded. Volume restriction under both rights to allowable volume equivalent

Property = .9 acres (per applicant)

Approx 70% irrigated = .7 acre

Other overlaps do not affect permit

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

JAN 19 1994

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

HP equation: $\frac{3 \times 8.8 \times .7}{80 + 0} = .23 \text{ cfs}$ system capacity

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

allow .01 per permit limit

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = .7 \times 4.5 = 3.2$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .01 \times 246 \times 1.9835 = 4.9$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.2$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRR	3/15	11/15	.01	3.2
Totals:			.01	3.2

2. Recommended Amendments

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

I. AUTHENTICATION

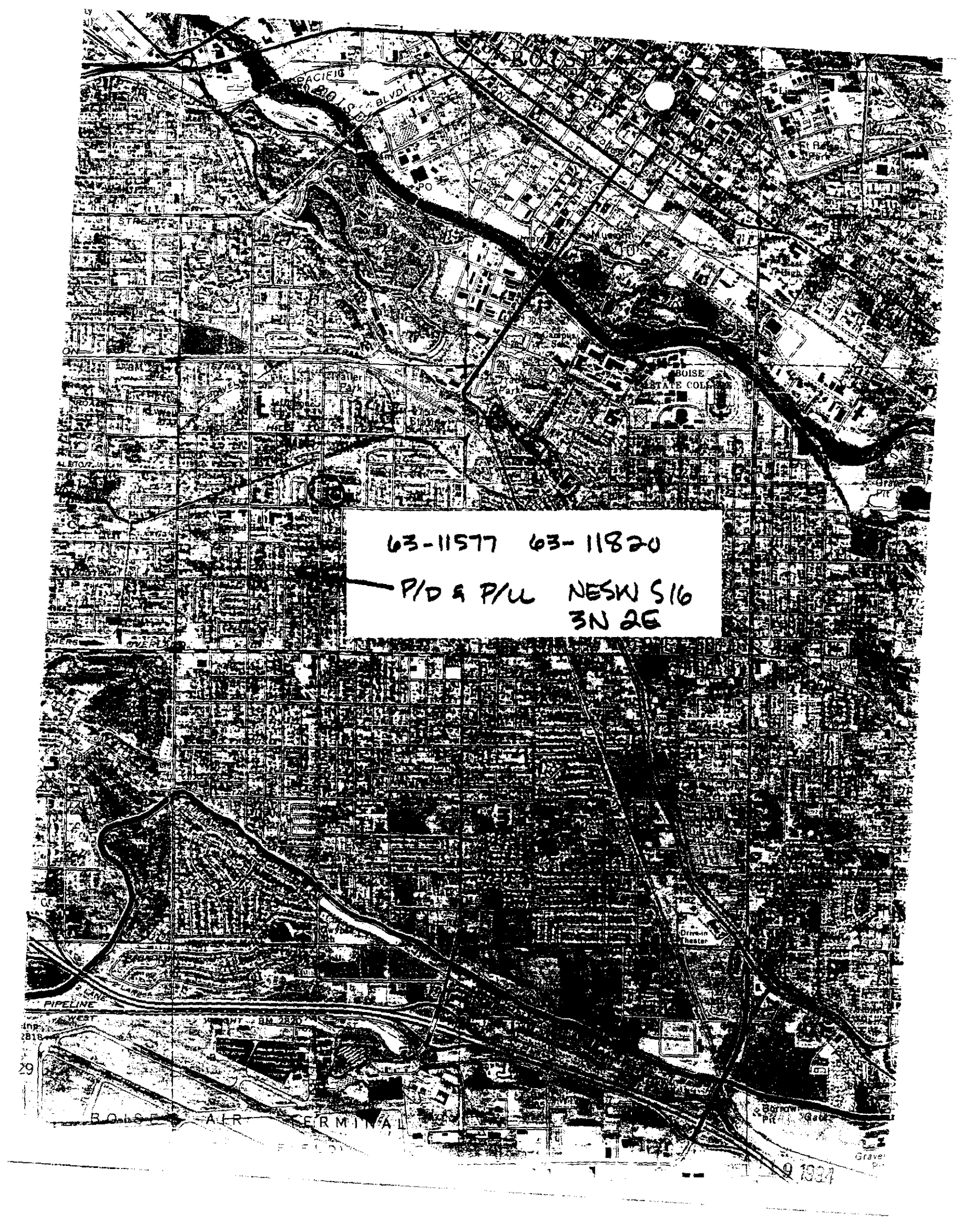
Field Examiner's Name C. Hodges Date 7/1/93

Reviewer _____ Date _____

SEAL

NOTED

JAN 19 1994



63-11577 63-11820

P/D & P/U NESW S16
3N 2E

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: 63-91-Z-178 OTHER APPLICABLE NO: 63-11577, 11820

2. OWNER: J. Fred. Mark Phone: 336-1650
Address: 1117 S. Owyhee Boise

3. WELL LOCATION: Twp 3N, Rge. 2E, Sec. 16, NE 1/4 SW 1/4
County Ada (Provide sketch map and photo on reverse.)

4. DRILLER: Stevens Lic. No. 153
When Drilled? 3/7/92

5. WELL CONSTRUCTION TD=165
Casing Diameter 6" Inches Water tight cap? ☒ Yes ☐ No Access Port: ☐ Yes ☒ No
Casing ≥ 12 inches above ground? ☒ Yes ☐ No - Describe _____
Depth of Casing 120 ft. Method Drilled Cable
Condition of Well Casing: ☒ Good ☐ Fair ☐ Poor Describe _____
Control Valve? ☒ Yes ☐ No Pressure Gauge: ☐ Yes ☒ No
Condition of Piping and Valving GOOD
Auger to a depth of _____ ft. Evidence of Annular Seal ☐ Yes ☐ No
Are there obvious construction problems that may be a source for contamination or waste of water?
☐ Yes ☒ No (Describe in Remarks and Attach Photo - On Reverse)

6. HYDROLOGIC INFORMATION
Depth to Static Water 42 ft. Water Temperature _____ °F PL = 80
Flowing Artesian ☐ Yes ☒ No Pressure: _____ (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____

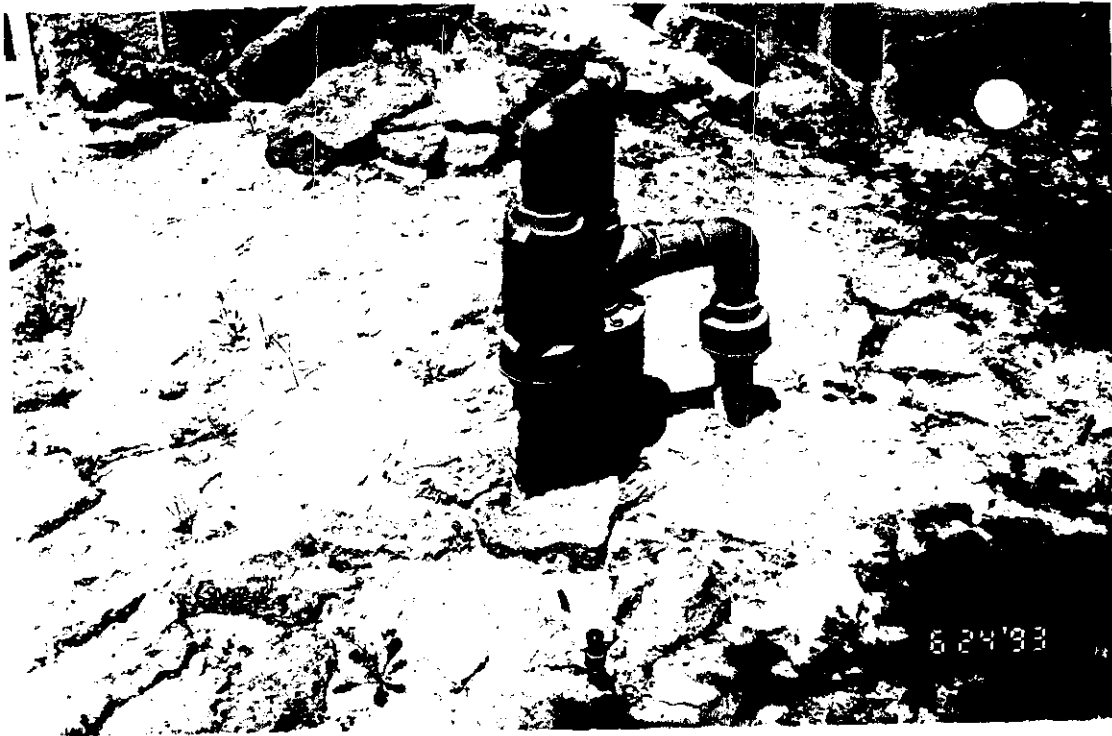
7. WELL USE:
☐ Domestic ☒ Irrigation ☐ Stock MIC
☐ Test ☐ Municipal ☐ Industrial
☐ Abandoned ☐ Waste Disposal/Injection ☐ Not Used JAN 19 1994
☐ Other: _____

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>FRED-MACK</u> Address <u>1117 S OWYHEE BOISE 83705</u> Owner's Permit No. <u>63-91-Z-178</u>	7. WATER LEVEL Static water level <u>42</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 _____ Describe artesian or temperature zones below																																																																												
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☒ Well diameter increase Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☒ Bailer ☐ Air ☐ Other _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">50</td> <td style="text-align: center;">80</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	50	80	1																																																																						
Discharge G.P.M.	Pumping Level	Hours Pumped																																																																											
50	80	1																																																																											
3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Bore Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th colspan="2">Water</th> </tr> <tr> <th>From</th> <th>To</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>0</td> <td>6</td> <td>topsoil & roots</td> <td></td> <td>X</td> </tr> <tr> <td>6</td> <td>6</td> <td>50</td> <td>cemented sand & gravel</td> <td></td> <td>X</td> </tr> <tr> <td>50</td> <td>50</td> <td>52</td> <td>sand & gravel</td> <td></td> <td>X</td> </tr> <tr> <td>52</td> <td>52</td> <td>85</td> <td>reddish brown cemented fine sand</td> <td></td> <td>X</td> </tr> <tr> <td>85</td> <td>85</td> <td>89</td> <td>silty brown clay</td> <td></td> <td>X</td> </tr> <tr> <td>89</td> <td>89</td> <td>106</td> <td>cemented reddish brown fine sand with clay streaks</td> <td></td> <td>X</td> </tr> <tr> <td>106</td> <td>106</td> <td>118</td> <td>silty brown clay</td> <td></td> <td>X</td> </tr> <tr> <td>118</td> <td>118</td> <td>140</td> <td>blue clay</td> <td></td> <td>X</td> </tr> <tr> <td>140</td> <td>140</td> <td>141</td> <td>blue sand streak</td> <td></td> <td>X</td> </tr> <tr> <td>141</td> <td>141</td> <td>160</td> <td>blue clay</td> <td></td> <td>X</td> </tr> <tr> <td>160</td> <td>160</td> <td>165</td> <td>blue clay with blue sand streaks</td> <td></td> <td>X</td> </tr> </tbody> </table>	Bore Diam.	Depth		Material	Water		From	To	Yes	No	6	0	6	topsoil & roots		X	6	6	50	cemented sand & gravel		X	50	50	52	sand & gravel		X	52	52	85	reddish brown cemented fine sand		X	85	85	89	silty brown clay		X	89	89	106	cemented reddish brown fine sand with clay streaks		X	106	106	118	silty brown clay		X	118	118	140	blue clay		X	140	140	141	blue sand streak		X	141	141	160	blue clay		X	160	160	165	blue clay with blue sand streaks		X
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____	10. Work started <u>3/5/92</u> finished <u>3/7/92</u>																																																																												
5. WELL CONSTRUCTION Casing schedule ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>250 inches</td> <td>6 inches</td> <td>1 foot</td> <td>120 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 ☐ Gun Size of perforation _____ inches by _____ inches <table border="1" style="width:100%; border-collapse: collapse;"> <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 <u>20</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Pudding clay ☐ _____ Sealing procedure used: ☒ Slurry pit ☒ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____	Thickness	Diameter	From	To	250 inches	6 inches	1 foot	120 feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>STEVENS & SONS</u> Firm No. <u>153</u> Address <u>3709 Hawthorne Drive</u> Date <u>3/16/92</u> Signed by (Firm Official) <u>[Signature]</u> and (Operator) <u>[Signature]</u>																																																								
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6. LOCATION OF WELL <u>1117 S Owyhee</u> Sketch map location must agree with written location. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">N</td> <td colspan="2"></td> <td style="text-align: center;">E</td> </tr> <tr> <td style="text-align: center;">W</td> <td style="text-align: center;">+</td> <td style="text-align: center;">E</td> <td style="text-align: center;">E</td> </tr> <tr> <td style="text-align: center;">S</td> <td colspan="2"></td> <td style="text-align: center;">E</td> </tr> </table> Subdivision Name _____ Lot No. _____ Block No. _____ County <u>ADA</u> N/E S/W 1/4 Sec. <u>16</u> T. <u>3N</u> R. <u>2E</u> EX	N			E	W	+	E	E	S			E	USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT																																																																
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JAN 19 1994



~~63-11577~~ 4-
 63-11820

P/O. Right-hand
 line to flood
 system.
 Left-hand
 line w/ valve
 to sprinklers



P/u, backyard

→ Ditch for
flood irrig.



P/u front yard
 Sprinklers in
 border against
 property line.

JAN 19 1994

September 4, 1992

J FREDERICK MACK
1117 S OWYHEE
BOISE ID 83705

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-11820

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

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

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

c: IDWR - Region

RECEIVED

SEP 11 1992

ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 63-11820

Reviewed by Klg

Date 8/18/92

GENERAL CONSIDERATIONS

yes Name same as permit?
yes Address same as permit?
yes Proof timely received?
If not, complete calculation below.

TYPES OF USE

irrigate -1
yes Correct Uses?

SOURCE OF WATER

1 Surface water source
1 Ground water source

yes Drilling permit required?
yes Copy in the file? Drilling Permit No. 63-91-C-0178
35 Amount paid for permit yes Correct?
yes Well log in the file?

LICENSE EXAMINATION FEE

NA Required?
/ Amount Submitted
/ Correct?

MEASURING DEVICE

NA Required?
/ Installed?
/ Waiver requested?

PRIORITY CALCULATION

Date proof received NA
Date proof due / -
No. of days late / =
Priority Date / +
New Priority Date /

DEFICIENCIES OR ACTION ITEMS

proof acceptable

DATA ENTRY

New Address _____

Proof Made 8/18/92
9/4/92 Klg

WE DRILLER'S REPORT

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

[illegible]

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

Drilling Permit ' 63-91-2-17B
Water Right Per. 63-11577
Injection Permit No. _____

State of Idaho
Department of Water Resources

APPLICATION FOR DRILLING PERMIT

RECEIVED
NOV 27 1991

Department of Water Resources
Western Regional Office

1. Applicant (please print) J Frederick Mack

2. Mailing Address 1117 S. Owyhee

City & State Boise Id Zip Code 83705 Telephone 336-1650

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

3. Proposed well location NE 1/4 SW per App. for permit 1/4, or Gov't Lot No. _____

Sec. 16, Twp. 3N, Rge. 2E, County Ada

Street Address of Well Site same as above

Lot, block and subdivision _____

4. Proposed use of well:

☒ Domestic: The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

irrigation - 1 acre .02 cfs

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

() Non-Domestic: Any beneficial use not included within the definition of domestic.

() Injection

() Monitoring - A well bore schematic and map is required for each well.
No. of proposed wells: _____

() Other _____
(Describe)

5. Well construction information:

A. ☒ New well () Deepen () Enlarge () Replace - See Condition 9

B. Proposed Surface Diameter _____ Proposed Maximum Depth _____

C. Anticipated bottom hole temperature:

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

6. Construction Start Date _____

7. Anticipated Well Driller Stevens & Sons

NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's signature J Frederick Mack Date Aug 21 1991

Title _____

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SEP 11 1992

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is

APPROVED

Date

11-13-91

If approved, this permit authorizes the construction or modification of a well subject to the following conditions. READ CAREFULLY

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one (1) year from the approval date for completion of the well unless an extension has been granted.
3. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well. All wells must be drilled a minimum distance of 100 feet from a drain field. Domestic and Public Water Supply wells must be drilled a minimum distance of 50 feet and 100 feet respectively from a septic tank.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Approval of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.
8. If a bottom hole temperature of 85° or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.
9. If this permit is for a replacement well, the well being replaced must be abandoned in accordance with Department Rules Regulations.

SPECIFIC CONDITIONS:*Leticia A. Reed*

Signature of Authorized Department Representative

MANAGER
GROUNDWATER PROTECTION SECTION
TitleReceipt No. 002/556 Received by SC Fee 35⁰⁰ Date 8/21/91**MICROFILMED****SEP 11 1992****EXTENSION OF DRILLING PERMIT**

Extension approved by _____ Approval Date _____

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

HOLLAND & HART
ATTORNEYS AT LAW

DENVER
DENVER TECH CENTER
COLORADO SPRINGS
ASPEN
BILLINGS
BOISE
CHEYENNE
JACKSON
WASHINGTON, D.C.

SUITE 1400
WEST ONE PLAZA
BOISE, IDAHO 83702-7714
MAILING ADDRESS
P.O. BOX 2527
BOISE, IDAHO 83701-2527

TELEPHONE (208) 342-5000
FACSIMILE (208) 343-8869

Dana L. Hofstetter

August 17, 1992

RECEIVED

AUG 18 1992

Department of Water Resources

**Brenda L. Miller
State of Idaho
Department of Water Resources
1301 North Orchard Street
Statehouse Mail
Boise, Idaho 83720-9000**

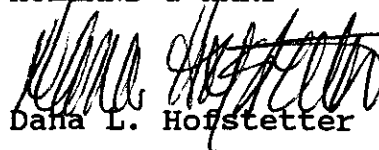
Re: Permit No. 63-11820

Dear Brenda:

**Enclosed please find an executed Proof of Beneficial Use
for Permit No. 63-11820.**

Sincerely,

HOLLAND & HART


Dana L. Hofstetter

DLH:msd

MICROFILMED

SEP 11 1992



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

August 10, 1992

J FREDERICK MACK
1117 S OWYHEE
BOISE ID 83705

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 63-11820

Dear Permit Holder:

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

Enclosed is a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit. Also enclosed is a form entitled "Proof of Beneficial Use". If your project is already completed you should complete and submit this form immediately.

You should be aware that you are located within a drainage basin where surface water diversions are regulated by a watermaster. It is possible that diversion of groundwater under your permit may cause a reduction of surface water flow. Siting your well as far as possible from surface water channels and casing your well so that groundwater tributary to surface water flows are not diverted will reduce the potential for the watermaster to regulate your water use.

Sincerely,

BRENDA L. MILLER
Water Resource Agent

BLM:cz

Enclosures

MICROFILMED

SEP 11 1992

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

Account Number

47628

Identification

NOTICE OF APPLICATION FOR WATER RIGHT

NOTICE OF APPLICATION FOR WATER RIGHT

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

63-11808

LEE, MONROE M
LEE, RITA F
2701 N. MERIDIAN RD
KUNA, ID 83634
Source: GROUNDWATER
Diversión Pt: NESENE Sec 13 T 02N R 01W in ADA County
Use: IRRIGATION (1.600 CFS)
Total Diversión: (1.600 CFS)
Date Filed: 5/ 5/1992

In: ADA County
T02N R01W S 13 NENE SENE
80.0 ACRES TOTAL

63-11810

DUDLEY, ELIZABETH M
DUDLEY, JR, ORIE L
2686 PARK LANE
EAGLE, ID 83616
Source: GROUNDWATER
Diversión Pt: LOT 3 (NENENW) Sec 1 T 04N R 01W in ADA County
Use: IRRIGATION (3.340 CFS)
Total Diversión: (3.340 CFS)
Date Filed: 5/ 7/1992

In: ADA County
T04N R01W S01 Lot 3(NENW) Lot 4 (NWNW) SWNW SENW
S02 NESE
167.0 ACRES TOTAL

63-11811

MORRISON KNUDSEN CORP
720 PARK BLVD
BOISE, ID 83729
Source: GROUNDWATER
Diversión Pt: Lot 3 (NWNW) Sec 15T 03N R 02E in ADA County
Use: IRRIGATION (.150 CFS)
Total Diversión: (.150 CFS)
Date Filed: 5/ 7/1992

In: ADA County
T03N R02E S 15 Lot 3 (NWNW)
S 16 NENE
5.0 ACRES TOTAL

63-11816

BOISE PARK SYSTEM
1104 ROYAL BLVD
BOISE, ID 83706
Source: GROUNDWATER
Diversión Pt: SWNE Sec 25 T 03N R 02E in ADA County
Use: IRRIGATION (.250 CFS)
Total Diversión: (.250 CFS)
Date Filed: 4/28/1992

In: ADA County
T03N R02E S25 SWNE
5.0 ACRES TOTAL

63-11817

AMUNDSON, WALTER
1730 SUZAN
MERIDIAN, ID 83642
Source: GROUNDWATER
Diversión Pt: NWSWNW Sec 32 T 03N R 01E in ADA County
Use: DOMESTIC (.040 CFS)
Total Diversión: (.040 CFS)
Date Filed: 4/29/1992

In: ADA County
T03N R01E S32 SWNW

63-11820

MACK, J FREDERICK
1117 S. OWYHEE
BOISE, ID 83705
Source: GROUNDWATER
Diversión Pt: NESW Sec 16 T 03N R 02E
Use: IRRIGATION
Total Diversión:
Date Filed: 5/ 5/1992
In: ADA County
T03N R02E S16 NESW
1.0 ACRES TOTAL

Run Dates

May 21, 28, 1992

Estimated Inches

Real Inches

Affidavits

Legal Number

1

2239

63-11822

BOISE PARK SYSTEM
1104 ROYAL BLVD
BOISE, ID 83706
Source: GROUNDWATER
Diversión Pt: NESW Sec 35 T 04N R 01E in ADA County
Use: IRRIGATION (.250 CFS)
Total Diversión: (.250 CFS)
Date Filed: 4/28/1992

In: ADA County
T04N R01E S35 NESW
5.0 ACRES TOTAL

63-11823

BOISE RESEARCH CENTER
12301 W EXPLORER DR
BOISE, ID 83704
Source: GROUNDWATER
Diversión Pt: NENE Sec 28 T 04N R 01E in ADA County
Use: IRRIGATION (1.120 CFS)
Total Diversión: (1.120 CFS)
Date Filed: 5/ 8/1992

In: ADA County
T04N R01E S28 NENE NWNE SWNE SENE
160.0 ACRES TOTAL

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 on or before JUNE 8, 1992.
R. Keith Higginson, Director
Pub. May 21, 28, 1992 2239

issue of MAY 28, 19 92

ss.

MAY

day of in the year of
before me, a Notary Public, personally appeared
AY, known or identified to
in whose name subscribed to the within instrument,
rst duly sworn, declared that the statements therein
owledged to me that she executed the same.

Notary Public for Idaho

Residing at BOISE, ID.

My commission expires: 11 27 93

MICROFILMED

SEP 11 1992

63-11820

MACK, J FREDERICK
1117 S OWYHEE
BOISE, ID 83705

Source: GROUNDWATER

Diversion Pt: NESW Sec 16 T 03N R 02E in ADA County.

```

Use: IRRIGATION      ( .010 CFS)
      Total Diversion: ( .010 CFS)

```

Date Filed: 5/ 5/1992

In: ADA County
T03N R02E S16 NESW

1.0 ACRES TOTAL

MICROFILMED

SEP 11 1992

HOLLAND & HART
ATTORNEYS AT LAW

DENVER
DENVER TECH CENTER
COLORADO SPRINGS
ASPEN
BILLINGS
BOISE
CHEYENNE
WASHINGTON, D.C.

SUITE 1400
WEST ONE PLAZA
BOISE, IDAHO 83702-7714
MAILING ADDRESS
P.O. BOX 2527
BOISE, IDAHO 83701-2527

TELEPHONE (208) 342-5000
TELECOPIER (208) 343-8869

Dana L. Hofstetter

RECEIVED
MAY 07 1992

Department of Water Resources
Western Regional Office

May 4, 1992

RECEIVED
MAY 05 1992

Department of Water Resources

State of Idaho
Department of Water Resources
1301 North Orchard
Boise, ID 83705

Re: J. Frederick Mack's Application for Permit

Dear Sir or Madam:

Enclosed is an Application for Permit for 0.01 cfs that we are filing on behalf of J. Frederick Mack. A check in the amount of \$30.00 also is enclosed to cover the application filing fee. Mr. Mack previously obtained permit no. 63-11577 for the same well and property. However, that permit provides only 0.02 cfs, while we understand that properties, such as Mr. Mack's, that are less than 5 acres in size are allowed 0.03 cfs per acre. We are filing this application today to enable Mr. Mack to use a full 0.03 cfs for irrigation of his acre.

Thank you for your attention to this matter. Please do not hesitate to contact me if you have any questions about this matter.

Sincerely,

HOLLAND & HART

Dana L. Hofstetter

Dana L. Hofstetter

DLH:msd
Enclosure

RECEIVED
SEP 11 1992