

45 gallons in 64 seconds

$$64 \overline{) 0.703} \quad 0.703$$

$$42.180 \text{ gal per min.}$$

$$4.686 = \text{inches or 5 inches}$$

M.P. = slot in casing 1' above floor. 5.0 below Land Surface datum

Static level M.P. 56.5'

LSD = 61.5

65.6

Pump

65.6

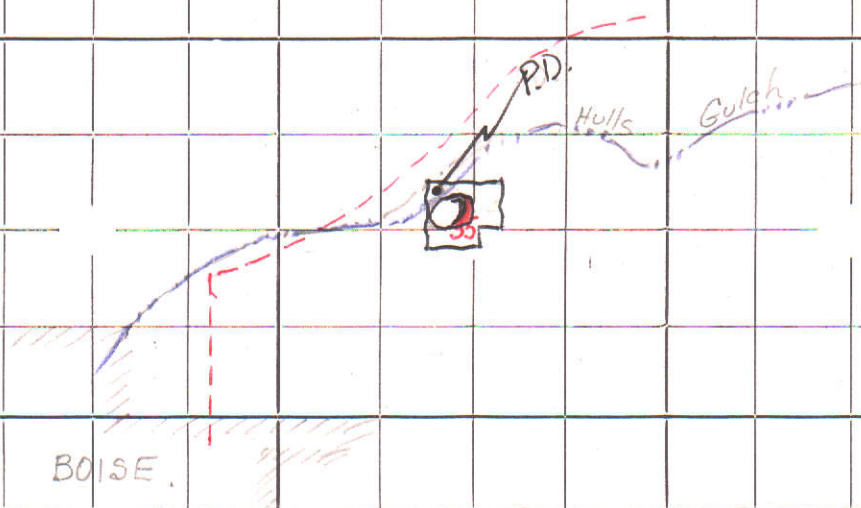
LSD 65.6

61.5

401' down

R-2E

T.
4
N.



Red shaded area irrigated by portable 2" x 40' aluminum Line, 5 3/4" heads used on this system.

Subdivision

1

Area

6 acres

Q

0.10 cfs. or
5 inches

RECEIVED
DEC 1 3 1960
Department of Reclamation

**NOTICE OF PROOF OF COMPLETION
OF WORKS and APPLICATION OF
WATER TO BENEFICIAL USE**

Notice is hereby given that at 10:00 A.M., on the 12th day of December, 1960, at Boise, County of Ada, State of Idaho, before Frances McKenna, Notary Public, at (address) Idaho First National Bank, proof will be submitted of the completion of works for the diversion of .40 cubic feet per second of underground water from a well, and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. G-26100 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the person or corporation holding said permit is E. C. Underhill, P. O. Box 140, Boise, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use is .40 cubic feet per second.

3. The use to which said water has been applied is irrigation and domestic purposes, and the amount applied to beneficial use is .40 cubic feet per second.

4. The point of diversion of said water is SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35; T. 4N; Rge. 2E. B.M.

5. The place where said water is used is SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 35, Twp. 4N., Rge. 2 E. B.M.

6. The date of priority which said user is prepared to establish is December 1, 1955.

GEO. N. CARTER
State Reclamation Engineer
November 10, 17, 24; Dec. 1, 1960

PROOF OF PUBLICATION

State of Idaho, }
County of Ada }

ss.

I, Florence Goetzke, being first duly sworn, depose and say, that I am over twenty-one years of age, and Chief Clerk of MERIDIAN NEWS-TIMES, a weekly newspaper of general circulation, published at Meridian, County of Ada, State of Idaho, and that the annexed notice was published in said paper once each week for 4 consecutive weeks, the first publication being on the 10 day of November, 1960, and the last publication being on the 1 day of December, 1960.

That said notice was published in the newspaper proper and not in a supplement. That said newspaper had been continuously and uninterruptedly published in said county for a period of 78 consecutive weeks prior to the first publication of this notice, and is a newspaper within the meaning of the Idaho statutes.

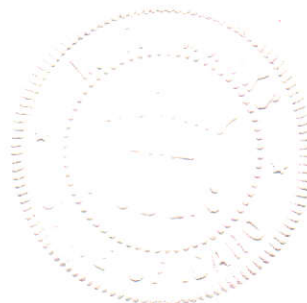
Florence Goetzke
Chief Clerk

Subscribed and sworn to before me this 2nd day of December, 1960.

J. F. Marks
Notary Public in and for Idaho

Residence or Postoffice Address Boise, Idaho.

26100





ROBERT E. SMYLIE
Governor

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

GEO. N. CARTER, STATE RECLAMATION ENGINEER
BOISE

RECEIVED
NOV 23 1960
Department of Reclamation

November 21, 1960

Re: Permit No. G-26100
E. C. Underhill

The News Times
Meridian, Idaho

Gentlemen:

On November 8 we mailed you a Notice of Publication on the above numbered permit, in the name of E. C. Underhill, requesting that a tear sheet or copy be mailed to this office for checking purposes.

To date we have not received such tear sheet and ask that you send a copy to this office as soon as possible.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By: *H. Petri*
H. PETRI
Water Rights Clerk

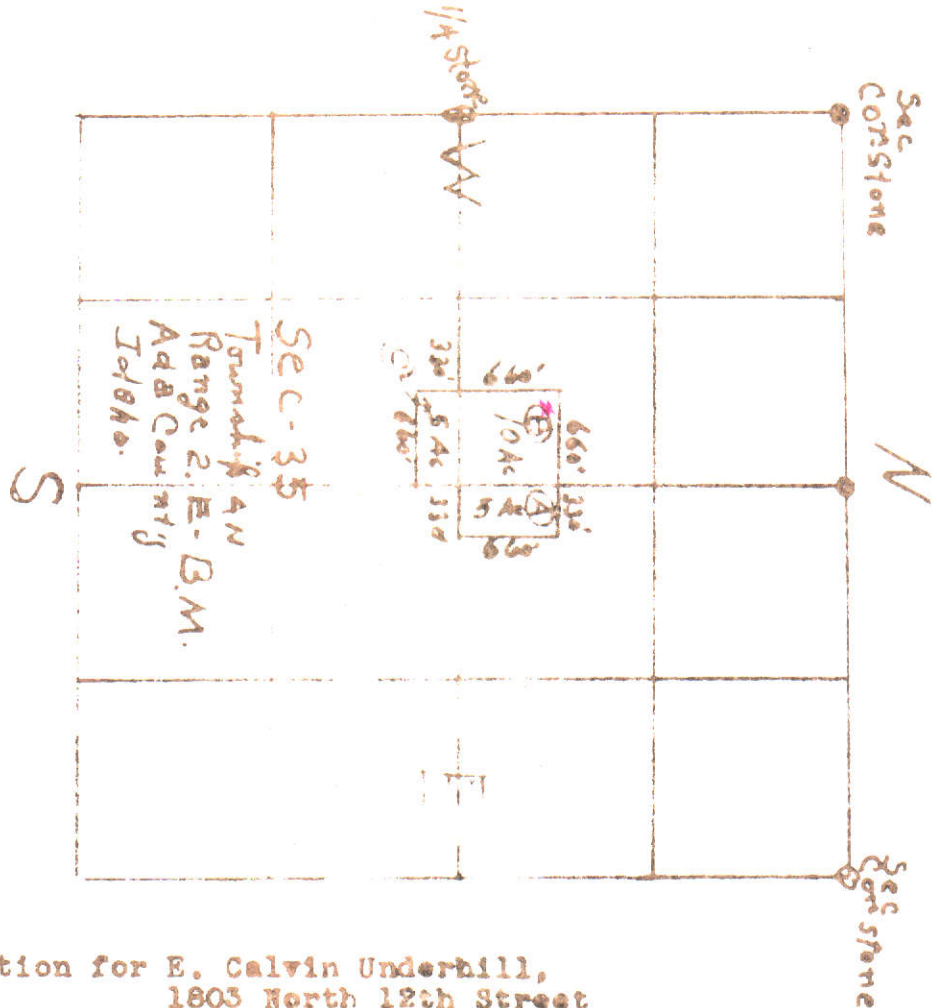
HP:ew

NOTICE OF PROOF OF COMPLETION
OF WORKS AND APPLICATION OF
WATER TO BENEFICIAL USE.
Notice is hereby given that at 10:00
A.M., on the 12th day of December,
1960, at Boise, County of Ada, State
of Idaho, before Frances McKenna,
Notary Public, at (address) Idaho
First National Bank, proof will be
submitted of the completion of works
for the diversion of .40 cubic feet per
second of underground water from a
well, and of the application to bene-
ficial use of said water, in accordance
with the terms and conditions of Per-
mit No. G-26100 heretofore issued by
the Department of Reclamation of the
State of Idaho.
1. The name and postoffice address
of the person or corporation holding
said permit is E. C. Underhill, P. O.
Box 140, Boise, Idaho.
2. Said works of diversion will be
fully completed on the date set for
such completion, and the amount of
water which said works are capable
of conveying to the place of use is
.40 cubic feet per second.
3. The use to which said water has
been applied is irrigation and domes-
tic purposes, and the amount applied
to beneficial use is .40 cubic feet per
second.
4. The point of diversion of said
water is SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35; T. 4N;
Rge. 2E. B.M.
5. The place where said water is
used is SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$
SW $\frac{1}{4}$, Sec. 35, Twp. 4N, Rge. 2 E.
B.M.
6. The date of priority which said
user is prepared to establish is Decem-
ber 1, 1955.
GEO. N. CARTER
State Reclamation Engineer
November 10, 17, 23, Dec. 1, 1960

26100

I previously sent you a copy of this publication November 14

T. C. BUTLER, JR.
CONSULTING ENGINEER
2015 APPLE STREET RTL B
PHONE 2-8166
BOISE, IDAHO



Legal description for E. Calvin Underhill,
1803 North 12th Street
Boise Idaho. (Ph: 2-1782.)

Tract A: 5 Acres; West 1/2 of SW 1/4 of SW 1/4 of NE 1/4
Tract B: 10 Acres; SE 1/4 of SE 1/4 of SW 1/4
Tract C: 5 Acres; North 1/2 of NE 1/4 of NE 1/4 of SW 1/4
(each cornering upon center of Sec-~~35~~35
Township 4 North; Range 2 East, E. N.
Ada County, Idaho.

26100



R-2E.

Point of Diversion-WELL



T.
4
N.

Permit Map No. 4-26100
As Approved
DEC 6 1955
MARK R. KULP
State Reclamation Engineer

State of Idaho

License and Certificate of Water Right

Water License No. G-26100Amount 0.10 c.f.s.

Water District No. _____

Priority December 1, 1955

THIS IS TO CERTIFY that E. C. UNDERHILL
 of Boise, Idaho, made application for a permit to appropriate the
 public waters of the State of Idaho, dated December 1, 1955; that Permit No. G-26100
 was issued under said application; that Certificate of Completion of works, with a carrying capacity of
0.10 second feet, was issued thereunder on March 15, 1961, showing that said works
 were completed on the 12 day of December, 1960; and that on the 12
 day of December, 1960, E. C. UNDERHILL

of Boise, State of Idaho, made proof to the satisfaction of the
 State Reclamation Engineer of Idaho, of the right to use the waters of a well
, a tributary of subterranean flow , for the purpose of irrigation and domestic
 use , under Use Permit No. G-26100 of the Department of Reclamation
 and that said right to the use of said waters has been perfected in accordance with the laws of Idaho,
 and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume
11 of Licenses at page 7054, on the 15 day of March, 1961;
 The right hereby confirmed dates from December 1, 1955;

The Point of Diversion is located
 in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 35, Tp. 4 N., R. 2 E., B. M. Ada County

That the amount of water to which such right is entitled and hereby confirmed, for the purposes
 aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall
 not exceed 0.10 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
<u>4 N.</u>	<u>2 E.</u>	<u>35</u>	<u>SE$\frac{1}{4}$ NW$\frac{1}{4}$</u>	<u>10</u>	<u>6</u>
			Total acres to be irrigated:		<u>6</u>

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place
 of use herein described, as provided by the laws of Idaho.

WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this
15 day of March, 1961.

/s/ GEO. N. CARTER
 State Reclamation Engineer.

(SEAL)

State of Idaho

License and Certificate of Water Right

Water License No. G-26046Amount 1.22 c.f.s.

Water District No. _____

Priority Oct. 31, 1955

THIS IS TO CERTIFY that BOISE PAYETTE LUMBER CO. Assignee-BOISE WATER CORPORATION of Boise, Idaho, made application for a permit to appropriate the public waters of the State of Idaho, dated October 31, 1955; that Permit No. G-26046 was issued under said application; that Certificate of Completion of works, with a carrying capacity of 1.22 second feet, was issued thereunder on March 14, 1961, showing that said works were completed on the 29th day of November, 1960; and that on the 29th day of November, 1960,

BOISE WATER CORPORATION

of Boise, State of Idaho, made proof to the satisfaction of the State Reclamation Engineer of Idaho, of the right to use the waters of a well, a tributary of subterranean flow, for the purpose of domestic, irrigation & fire protection, under Use Permit No. G-26046 of the Department of Reclamation and that said right to the use of said waters has been perfected in accordance with the laws of Idaho, and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume 11 of Licenses at page 7053, on the 14 day of March, 1961;

The right hereby confirmed dates from October 31, 1955;

The Point of Diversion is located

in the NW 1/4 SW 1/4, Sec. 31, Tp. 4 N., R. 2 E., B. M. Ada County

That the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall not exceed 1.22 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
FOR DOMESTIC, IRRIGATION and FIRE PROTECTION for BOISE and Vicinity					

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, as provided by the laws of Idaho.

WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this

14th day of March, 1961.

s/ GEO. N. CARTER

State Reclamation Engineer.

(SEAL)

63-3069

APPLICATION FOR PERMIT

To Appropriate the Subterranean Waters of The State of Idaho

Application No. G- 33980
Permit No. G- 26100
District No.

1803 No. 12th St.
Boise, Idaho

1. Name of Applicant: E. C. UNDERHILL
Postoffice address: Boise County: Ada State: Idaho
2. Quantity of water claimed: .40 cubic feet per second
 - (a) Rate of withdrawal in cubic feet per second. .40 or Idaho
Miners' inches 20 or gallons per minute.
 - (b) Annual withdrawal in acre feet per annum
3. Source of water supply: Subterranean Flow (Well)
4. Location of point of diversion or well is in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 35
Twp. 4 N., Rge. 2 E., B.M., County of Ada
5. Water is to be used for: Irrigation and domestic purposes
6. If for municipal, industrial or recreational purposes, give:
 - (a) Point of use of water is in the $\frac{1}{4}$ of the $\frac{1}{4}$ of Section , Twp.
Rge. , B.M.
 - (b) Waste water or sewage effluent is to be returned to
at a point in the $\frac{1}{4}$ of the $\frac{1}{4}$ of Section , Twp. , Rge. , B.M.
7. Kind of works: Well, Pump and sprinkler system
8. Estimated cost of works: \$ 4300.00
9. (a) Is reservoir to be used?
(b) Capacity of reservoir:
10. The time required for the completion of such work and complete application of the water to the proposed use is Five years.
11. If applicant is a corporation, give:
 - I. (a) Date and place of incorporation:
(b) Amount of capital stock: \$ (c) Amount paid in: \$
(d) Names and addresses of directors:
 - II. The financial resources of the applicant are (a) Cash on hand: \$
(b) Treasury stock: (c) Bonds to be issued:
(d) Other resources:
12. The land to be irrigated is described in the following tabulation:
13. Existing water rights and/or valid permits appurtenant to the lands to be irrigated are: None
 - (a) (cubic feet per second, inches or gallons per minute) of the water herein applied for is to be supplemental to the existing water rights.
 - (b) (cubic feet per second, inches or gallons per minute) is for new lands.

BE IT KNOWN THAT The undersigned hereby makes appli cation for permit to appropriate the public waters of the State of Idaho as herein set forth.

E. C. UNDERHILL

Applicant.

By

Agent.

Date of first receipt at Department of Reclamation: 10-A.M. December 1, 1955

Returned to applicant for correction:

Corrected application received:

Approval of State Reclamation Engineer

The number of this permit is G-26100

Recorded in Book 92 Page 26100 Approved Dec. 6, 1955

This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby approve the same, subject to the following limitations and conditions:

Bond in the sum of \$ _____ to be filed on or before _____

Work to begin on or before February 6, 1956 and to continue diligently and uninterruptedly to completion, unless temporarily interrupted by circumstances over which the permit holder has no control.

One-fifth of the work above specified to be completed on or before June 6, 1958

The whole of said work to be completed and beneficial use of water appropriated in accordance herewith, to be made on or before December 6, 1960

Witness my hand this 6th day of December, 1955

MARK R. KULP
State Reclamation Engineer.

IN TESTIMONY WHEREOF, We, ROBERT E. SMYLLIE, Governor of the State of Idaho,
and IRA H. MASTERS, Secretary of State of the State of Idaho, have caused this instrument to
be executed in the name of the State of Idaho, and caused the Great Seal of the State of Idaho to be hereunto affixed, this 6th
day of December, 1955

Countersigned:

STATE OF IDAHO

(SEAL)

By ROBERT E. SMYLIE
Governor

By IRA H. MASTERS

By Paula L. Fleenor
Deputy Secretary of State

12.

Twp.	Range	Sec.	NE ¹ / ₄	NW ¹ / ₄	SW ¹ / ₄	SE ¹ / ₄	Totals
			NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	
4 N.	2 E.	35	5	10	5		20
			Permit No. G-26100 CERTIFICATE OF COMPLETION OF WORKS ✓				
✓ TO ALL WHOM IT MAY CONCERN: This is to certify that E. C. UNDERHILL of Boise, County of Ada, and State of Idaho, the holder of Permit issued upon Application No. G-33980 bearing date of priority of December 1, 1955, authorizing the diversion of feet of waters of a well County of Ada, State of Idaho, for irrigation and domestic purposes, has fully complied provisions of the laws of the State of Idaho relating to the proof of completion of the works of diversion set described in said Permit, that said works are adequate for diverting and conveying to the place of intended use feet of the waters of a well from subterranean flow that the point of diversion of said waters SE¹/₄SE¹/₄NW¹/₄, Sec. R. 2E., B.M. and that the lands proposed to be irrigated by the use of said water are described as follows, to- 6 acres in SE¹/₄NW¹/₄, Sec. 35, T. 4 N., R. 2 E., B.M. Witness my hand this 15 day of March, A.D. 1961. /s/ GEO. N. CARTER State Reclamation Engineer Proof of Completion of Works Made: December 12, 1960 Certificate of Completion of Works Issued: March 15, 1961 COPIES ISSUED FOR 2.10 SEC. 4 <i>Page 7054</i>							

WATER RIGHT NUMBER 63-3069

OWNER LAST NAME - UNDERHILL
ADDRESS LINE 1 - MILE HIGH RD.
ADDRESS LINE 3 -

FIRST NAME - E. C.

ORIG OWNER -

ADDRESS LINE 2 -
CITY - BOISE

STATE - ID ZIP CODE - 83702

SOURCE - GROUNDWATER

TRIBUTARY OF -

STAGE - LICENSE

STATUS -

PRIORITY - 12-01-1955 COUNTY - ADA

TOTAL DIV. RATE - .1000 -CFS

TOTAL DIV. VOLUME -

.00 AFA TRFR/AMEND -

WATER DIST. -

DLE/CAREY ACT -

RIGHT BASIS -

DIVERSION POINT - SENW 35 04N 02E LGT REDIV -

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

FROM - TO -

USE - IRRIGATION

USE DIV. RATE -

.1000 CFS

USE DIV. VOLUME -

.00 AFA

FROM - TO -

USE - DOMESTIC

USE DIV. RATE -

.0000 CFS

USE DIV. VOLUME -

.00 AFA

USE - IRRIGATION

PLACE OF USE - TWN 04N RNG 02E SEC 35 TRACT SENW LOT AC 06

DECREE NAME -

DATE -

TOTAL ACRES 6

REMARKS -

NON IRRIG USE -

OTHER RIGHTS FOR SAME USE -

PROOF DUE -

PERMIT/DENIED -

PROTESTED -

HEARING -

OLD NO. - 26100

PROOF MADE -

FLD EXAM -

COND. OF APPROVAL -

DIVERSION MEANS -

March 15, 1961

Re: Permit No. G-26100

E. C. Underhill
Mile High Road
Boise, Idaho

Dear Mr. Underhill:

We enclose Certificate of Completion of Works and License
and Certificate of Water Right issued on Permit No. G26100.

We also enclose departmental receipt No. G-5774 in the
amount of \$7.00 covering fees.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By:

(Mrs.) Edna P. Rule
Chief Clerk

EPR:ew

Enc. certificate
license
receipt

826100

March 10, 1961

Re: Permit No. G-26100

E. C. Underhill
P. O. Box 140 - Mile High Road
Boise, Idaho

Dear Mr. Underhill:

Our field engineer's report on his inspection of proof of completion of works and application of water to beneficial use under the terms of Permit No. G-26100 shows the well is (are) capable of conveying 5 miner's inches, or 0.10 c.f.s. of water for the irrigation of 6 acres.

Upon receipt of the statutory fees, totaling \$ 7.00 , we will issue the Certificate of Completion of Works (fee \$5.00) and the License and Certificate of Water Right (fee \$ 2.00 , based at the rate of \$2.00 for each 40-acre subdivision) confirming the right, with priority of December 1, 1955 to the use of 0.10 second feet of subterranean water with the point of diversion in SE 1/4, Sec. 35, for the irrigation of 6 acres in SE 1/4, Sec. 35, T. 4 N., R. 2 E., B. M.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By:

(Mrs.) Edna F. Hule
Chief Clerk

EPR:ew

826100

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

REPORT OF ENGINEER

26100
Permit No. ~~G-26627~~

This proof is for Completion of Works & Beneficial Use In Water District No. _____

1. Name of applicant E. C. Underhill
2. Source of water supply: Subterranean flow from a well
3. Location of point of diversion: Is in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 35
T. 4 N R. 2 E.B.M. County of Ada

4. Describe works as they exist, giving dimensions and capacities of same: GE Motor - 3 HP
220V, Fairbank-Morse Model 5KC215E46-. Pomona Turbin Pump - PV3492,
Westinghouse De-ion Motor watchman overload switch, operated from
storage tank, mounted on wall 4' south, 3" x 70' column, 4" bowls, base
set 2' above floor on 6" casing. Well pit - concrete block construction
8' x 8' x 7' concrete floor. 6" wood frame flat roof, corrugated iron top,
insulated. - Pump has 3" discharge to south into 3" Tee, reduced to 2"
pipe to 300 gallon storage tank located in dwelling 175' south, 2" x 15'
pipe with gate valve to permit flushing waste into gulch.

Rated capacity of pump 50 g.p.m.

5. Water is used for: irrigation and domestic
6. State whether or not water has been turned into works of diversion: yes.

7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):

SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35., Twp. 4 N., Rge. 2 E.B.M.

(6 acres in the SW $\frac{1}{4}$ A/W.R. Sec 35)

SE

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach? _____

Remarks: Irrigation is on approx. 6 acres, consisting of a large
lawn, garden and horse pasture. The lawn has a buried sprinkler
system, - 3 $\frac{3}{4}$ " 35 Rainbird heads and 9 $\frac{1}{2}$ x $\frac{3}{8}$ " 30 heads. The portable
2" x 40 aluminum line has 5 $\frac{1}{2}$ x $\frac{3}{8}$ " heads. The pump will operate
5 heads and household use of water. System has necessary pipe
and valves to regulate ^{other portions of system} system
h: Static level LSD 61.5 - draw down 4.1'

9. 5 g.p.m. Cons. 4.1' in 64 seconds = 4.1' x 64 = 5 inches

This examination was made on the 7th day of March, 1961

(Signed)

Lloyd Johnson

Examiner.

26100

5- 2" x 40' alum sprinkler
 3 3/4" Rainbird #36
 14 1/2" x 3/32" - #30

251.00

3 1/4

INSTRUCTIONS TO EXAMINERS

1. Always carefully note the location of the point of diversion and accurately plat same.
2. When proof is for beneficial use, carefully check up the number of acres actually irrigated in each forty and accurately plat same.
3. Make a map showing the correct location of streams and ditches, and the irrigated lands, and any adjacent permanent landmarks, such as towns, lakes, large streams and public roads.
4. If any unusual conditions are discovered, make plain statement of them under remarks.
5. Always see the holder, if possible, and go over the whole ground with him and make your report only upon actual existing facts and conditions.
6. Give general characteristics of soils, topography, and crops raised.

RECEIVED
 MAR 8 1955
 Department of Reclamation

32255
 E. C. Underhill
 Mile High Road
 Boise, Idaho
 Permit No. G-25100
 Out North 1/4 Sec. 1 mile
 Examination for Completion of Works & Beneficial Use

County Ada
 Sec. 35 T. 4 N. R. 2 E

Quantity: 0.4 c.f.s.

Source: Well

P.D.: SE SE NW, Sec. 35, T. 4 N. - R. 2 E

Use: Irrigation

Filed: Dec. 1, 1955

Due:

Extension:

Completion of Works:

Other Rights: None

Driller's name: John Cowe

Protests: none

GE Motor Model SKC 21566
 220V-3HP.
 Fairbanks-Morse Down the
 Turbine Pump, # PV 8492
 Well 6" x 170' Cased by
 Reported to 45' - No water
 at 50 feet. Column 3" x 70' col.
 Pump set on 6" cap 30" dia
 floor. Well diam. 8' x 8' x 7'
 Concentration up dia.
 3" drill 1" reduced to 2"
 175' to 300 gal storage tank
 in house. pressure water
 on tank
 Westinghouse - Deion Motor
 waterman overload switch
 on on so well
 check valve at pump for house
 in 2' from pump.
 3" tie 12" to pump. will
 2" get water for waste pump
 Rated capacity of pump 50 gpm
 Motor 6 demand meter
 45 gal 65 sec

45 gal/min in 64 seconds

$$\frac{0.703}{64 \sqrt{45.00}}$$

$$\frac{0.703}{60}$$

121.80 gal/min

$$\frac{4.686}{9147.180} = \text{inches or 5 inches}$$

M.P. = slot in casing 1' above floor. 5.6 below land surface datum

Static level M.P. 56.5'

LSD = 61.5

65.6

Pump. -

65.6

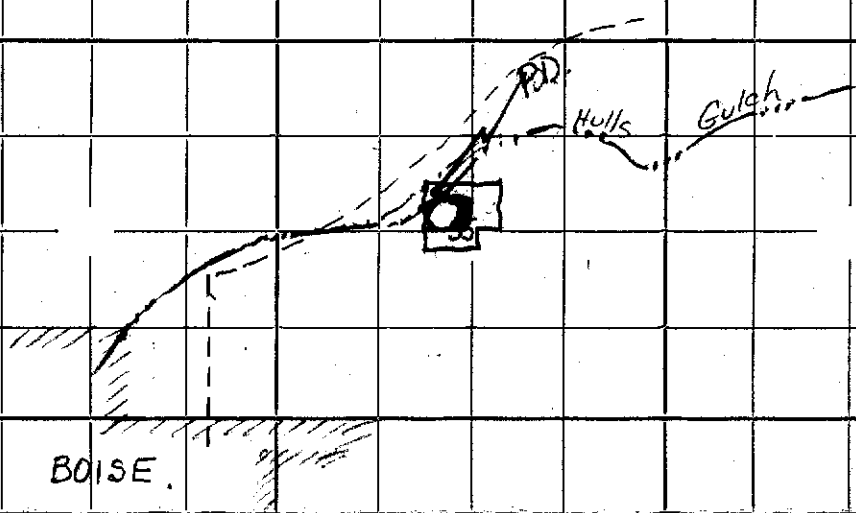
LSD 65.6

61.5

401' drawdown

R-2E

T.
4
N.



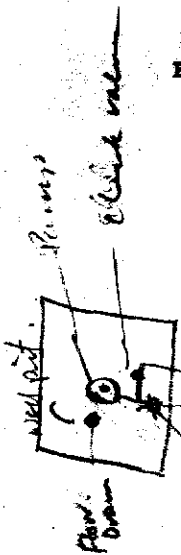
Red shaded area irrigated by portable 2" x 40' aluminum line, 5' heads used on this system.

Subdivision 1

Area 6 acres

Q

0.10 cfs. or 5 inches



Form 23

2" galv. to waste pipe - 10' long
drains into gutter

5- 2" x 40' aluminum spunk
Pipe section

3 3/4" Rain line 35' lead

14 1/2" x 3/4" heads

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE

REPORT OF ENGINEER

PERMIT NO. G-26100

~~REPORT ON PROOF OF Completion of Work & Beneficial Use~~

E. C. Underhill, Mile High Road, Boise, Idaho
PO Box 140

December 15, 1960

RE: Permit No. G-26100

Mr. E. C. Underhill
Mile High Road
Boise, Idaho

Dear Mr. Underhill:

We acknowledge receipt of the Deposition of Holder and two witnesses, also affidavit of publication in the Meridian News-Times, all submitted in proof of completion of works and beneficial use on Permit No. G-26100.

Before final action is taken in the matter, the law requires that a field examination be made by an engineer from this department.

We cannot tell just when this examination will be made, but our field engineer will try and contact you at the time he makes the examination so that arrangements may be made to show him over the grounds.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer
By:

(Mrs.) Edna P. Rule
Chief Clerk

EPR

826100

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

Permit No. G-26100

Proof of Application of Water to Beneficial Use

and Completion of Works
Deposition of Holder

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. E. C. Underhill; Mile High Road, Boise, Idaho; Banker; P. O. Address, Mile High Road, Boise.

Ques. 2. If acting in behalf of corporation, state its name, principal place of business (if a foreign corporation, give name of postoffice of statutory agent), your position with reference to same, and your authority for appearing in its behalf.

Ans. Personal - not a corporation

Ques. 3. State number and date of permit, and date of priority you propose to establish under the permit.

Ans. Permit G-26100, Dec. 6, 1955; priority Dec. 1, 1955

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. 6 inch diameter, 170 foot well located in the SE-1/4, SE-1/4, NW-1/4, sec. 35, T. 4N, R. 2E, B.M.

Ques. 5. Describe your works of diversion, and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place of use. If a well, state depth of well, depth and size of casing and depth to water. If pump is used, state discharge of pump and tell how it was measured or determined. If sprinkler irrigation, give number and size of nozzles and operating pressure.

Ans. Well, 170 feet deep, 6 inch casing, depth to water 45 feet. Rated discharge of present pump 50 gallons per minute. Sprinkler irrigation through 16 nozzles, plus open end pipe flooding. Engineer T. C. Butler advised drilling of 6 inch well, and he has indicated that installation of larger pump and motor at future indefinite date would yield 450 to 500 gpm.

Ques. 6. State for what purpose water is used and describe place of use. (If for irrigation, name each subdivision in which used, and number of acres in each subdivision that have actually been irrigated with said water.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Water used for culinary and irrigation purposes. Mostly natural meadow land supplemented by some grasses, plus large family garden. Approximately 6 acres have been watered, 5 acres in SE1/4, NW1/4, Sec. 35 and 1 acre in NE1/4, SW1/4, Sec 35, T.4N, R.2E, B.M.

Ques. 6-a If this is a ground water permit, give name and address of person that drilled the well.

Ans. John Cowe, 923 Leadville Ave., Boise

G26100

Ques. 7. If for other than irrigation purposes; state how applied, amount of horse power generated, etc.

Ans. Not applicable

Ques. 8. What is the minimum amount of water required for the purpose specified above?

Ans. Not applicable

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans. No change in ownership

Ques. 10. State when, how, in what amount and to what extent the water diverted under above mentioned permit has been used.

Ans. Water has been used per above description since 1956 and 1957

Ques. 11. State when, how, in what amount and to what extent waters other than those diverted under the above mentioned permit have been diverted and applied to beneficial use upon the lands herein described. Give full particulars regarding such other appropriations and rights claimed thereunder.

Ans. No other use

(Sign) *E. L. Smith*

I hereby certify that the foregoing testimony was read to the above subscribed before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed

and sworn to before me, at my office in Boise, County of Ada,

State of Idaho, on this 12th day of December, A. D. 1960.

Frances M. Gentry

My commission expires

Nov. 2, 1964

826100

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

RECEIVED
DEC 13 1960
Department of Reclamation

Permit No. G-26100

Proof of Application of Water to Beneficial Use
Deposition of ~~Witness~~ ^{and Completion of Works}

The deposition of two witnesses, on this form, taken separately, required in each case.

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. T. C. Butler, Jr.; 68; 3015 Apple Street; Civil Engineer; Boise, Idaho.

Ques. 2. Are you acquainted with E. C. Underhill, the holder of Permit No. G-26100? How long have you known him and where does he reside?

Ans. Yes. 12 years. Mile High Road, Boise, Idaho

Ques. 3. Have you read or heard read said Permit No. G-26100, and are you familiar with its provisions and conditions?

Ans. Yes

Ques. 4. State source of water supply, place of diversion, and describe works for conveying water from point of diversion to place of use.

Ans. Drilled well approximately 170 feet deep in the ^{SE-1/4} NW-1/4 sec. 35 T. 4N, R. 2E, B.M. with pump, pipes, and sprinklers, used for both domestic and irrigation purposes. Diameter of well 6 inches.

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use, and how much water have you seen being so conveyed?

Ans. 50 gallons per minute

Ques. 6. (Pumps) How much water in cubic feet per second, miner's inches, or gallons per minute have you seen the pump deliver, and how did you measure or estimate the amount?

Ans. 50 gpm. rated capacity of pump and personal observation of actual delivery when I personally supervised the installation of the pumps.

1826100

Ques. 7. State for what purpose water is used and at what place. (If for irrigation, give each subdivision in which water has been used and number of acres irrigated in each subdivision.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Used for domestic, fire protection, and irrigation water, approximately 5 acres
irrigated in SE-1/4 N.W. 1/4 and 1 acre in N.E. 1/4 S.W. 1/4 Sec. 35 T. 4N., R. 2E, B. M.
Both natural meadowland and some cultivated (garden) land. Pasture and grasses improved,
lawns and garden established.

Ques. 8. If for power or other purposes than irrigation, state how water has been applied and to what extent.

Ans. Not applicable

Ques. 9. (If for irrigation) state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Natural meadow and I recommended that a 6 inch case well be drilled because
from a 6 inch well 450 to 500 gpm could be pumped, this would adequately irrigate the
full acreage (20 acres) under this ownership, all of which is granular and sandy and
would require unusually heavy irrigation for full year pasture and/or other cultivation

Ques. 10. Have you any interest in the works, water or lands above mentioned? If so, in what way and to what extent?

Ans. None

Ques. 11. State when, how, in what amount and to what extent you have witnessed the application to beneficial use of water diverted under said permit.

Ans. Various dates since 1956 and 1957 for domestic use and irrigation.

(Signed) T. C. Butler, Jr. C.E. (12-12-60)
Idaho Reg. Prof. Engineer # 673.

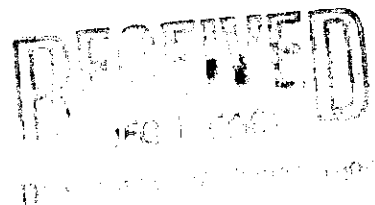
I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Boise,
County of Ada, State of Idaho, on this 12th day of December,
A. D. 19 60.

Frances M. Hansen
Notary Public.

My commission expires Nov. 2, 1964

826100

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO



Permit No. G-26100

Proof of Application of Water to Beneficial Use
and Completion of Works
Deposition of Witness

The deposition of two witnesses, on this form, taken separately, required in each case.

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. Keith E. Anderson; 40; 6932 Westfield Place, Boise, Idaho; Consulting Engineer; 6932 Westfield Place, Boise, Idaho

Ques. 2. Are you acquainted with E. C. Underhill, the holder of Permit No. G-26100? How long have you known him and where does he reside?

Ans. Yes. 10 years. Mile High Road, Boise, Idaho

Ques. 3. Have you read or heard read said Permit No. G-26100, and are you familiar with its provisions and conditions?

Ans. Yes

Ques. 4. State source of water supply, place of diversion, and describe works for conveying water from point of diversion to place of use.

Ans. Drilled well approximately 170 feet deep in the ^{SE 1/4} NW 1/4 sec. 35 T. 4N, R. 2E, B.M. with pump, pipes, and sprinklers, used for both domestic and irrigation purposes. Diameter of well 6 inches.

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use, and how much water have you seen being so conveyed?

Ans. 0.11 cfs (50 gpm)

Ques. 6. (Pumps) How much water in cubic feet per second, miner's inches, or gallons per minute have you seen the pump deliver, and how did you measure or estimate the amount?

Ans. Estimated 50 gpm based on pump size and horsepower, total lift, and number of sprinklers.

J26100

Ques. 7. State for what purpose water is used and at what place. (If for irrigation, give each subdivision in which water has been used and number of acres irrigated in each subdivision.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Used for domestic and irrigation water, approximately 5 acres irrigated in SE $\frac{1}{4}$ SE $\frac{1}{4}$ N.W. $\frac{1}{4}$ and 1 acre in N.E. $\frac{1}{4}$ S.W. $\frac{1}{4}$ Sec. 35, T.4N., R. 2E, B.M. Both natural meadow land and some cultivated (garden) land. Pasture and grasses improved, lawns and garden established.

Ques. 8. If for power or other purposes than irrigation, state how water has been applied and to what extent.

Ans. Not applicable

Ques. 9. (If for irrigation) state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Natural meadow and dry grazing land has been reclaimed; estimate 0.02 cfs per acre needed

Ques. 10. Have you any interest in the works, water or lands above mentioned? If so, in what way and to what extent?

Ans. None

Ques. 11. State when, how, in what amount and to what extent you have witnessed the application to beneficial use of water diverted under said permit.

Ans. Intermittently throughout the period 1957 to date, in domestic use and irrigation, up to an estimated 50 gpm

(Signed) _____

Keith E. Hudson

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Birse, County of Ada, State of Idaho, on this 12th day of December, A. D. 1960.

Francis M. Hanna
Notary Public.

My commission expires Nov. 2, 1964

826100

RECEIVED
DEC 7 1960
Department of Reclamation

PROOF OF PUBLICATION

State of Idaho,
County of Ada

ss.

I, Florence Boetzoe, being first duly sworn, depose and say, that I am over twenty-one years of age, and Chief Clerk of MERIDIAN NEWS-TIMES, a weekly newspaper of general circulation, published at Meridian, County of Ada, State of Idaho, and that the annexed notice was published in said paper once each week for 4 consecutive weeks, the first publication being on the 10 day of November, 1960, and the last publication being on the 1 day of December, 1960.

That said notice was published in the newspaper proper and not in a supplement. That said newspaper had been continuously and uninterruptedly published in said county for a period of 78 consecutive weeks prior to the first publication of this notice, and is a newspaper within the meaning of the Idaho statutes.

Florence Boetzoe
Chief Clerk

Subscribed and sworn to before me this 2nd day of December, 1960.

J. F. Marks
Notary Public in and for Idaho

Residence or Postoffice Address Boise, Idaho.

PROOF OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that at 10:00 A.M., on the 12th day of December, 1960, at Boise, County of Ada, State of Idaho, before Frances McKenna, Notary Public, at (address) Idaho First National Bank, proof will be submitted of the completion of works for the diversion of .40 cubic feet per second of underground water from a well, and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. G-26100 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the person or corporation holding said permit is E. C. Underhill, P. O. Box 140, Boise, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use is .40 cubic feet per second.

3. The use to which said water has been applied is irrigation and domestic purposes, and the amount applied to beneficial use is .40 cubic feet per second.

4. The point of diversion of said water is SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35; T. 4N; Rge. 2E. B.M.

5. The place where said water is used is SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 35, Twp. 4N., Rge. 2 E. B.M.

6. The date of priority which said water is used to establish is December 1, 1960.

GEO. N. CARTER
State Reclamation Engineer
November 10, 17, 24; Dec. 1, 1960

B26100

November 21, 1960

Re: Permit No. G-26100
E. C. Underhill

The News Times
Meridian, Idaho

Gentlemen:

On November 8 we mailed you a Notice of Publication on the above numbered permit, in the name of E. C. Underhill, requesting that a tear sheet or copy be mailed to this office for checking purposes.

To date we have not received such tear sheet and ask that you send a copy to this office as soon as possible.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By:

H. PETRI
Water Rights Clerk

HP:ew



ROBERT E. SMYLIE
Governor

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
GEO. N. CARTER, STATE RECLAMATION ENGINEER
BOISE

NOV 23 1960
Department of Reclamation

November 21, 1960

Re: Permit No. G-26100
E. C. Underhill

The News Times
Meridian, Idaho

Gentlemen:

On November 8 we mailed you a Notice of Publication on the above numbered permit, in the name of E. C. Underhill, requesting that a tear sheet or copy be mailed to this office for checking purposes.

To date we have not received such tear sheet and ask that you send a copy to this office as soon as possible.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By: *H. Petri*
H. PETRI
Water Rights Clerk

HP:ew

1. The name and postoffice address of the person or corporation holding said permit is E. C. Underhill, P. O. Box 140, Boise, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use is 40 cubic feet per second.

3. The use to which said water has been applied is irrigation and domestic purposes, and the amount applied to beneficial use is 40 cubic feet per second.

4. The point of diversion of said water is SE 1/4 Sec. 35, T. 4N; Rge. 2E B.M.

5. The place where said water is used is SW 1/4 NE 1/4, SE 1/4 NW 1/4, NE 1/4 SW 1/4, Sec. 35, Twp. 4N, Rge. 2 E. B.M.

6. The date of priority which said user is prepared to establish is December 1, 1900.

on the 12th day of December, 1960, at Boise, County of Ada, State of Idaho, before Frances McKenna, Notary Public, at (address) Idaho First National Bank, proof will be submitted of the completion of works for the diversion of 40 cubic feet per second of underground water from a well, and of the application to beneficial use of said water in accordance with the terms and conditions of Permit No. G-26100 heretofore issued by the Department of Reclamation of the State of Idaho.

26100

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

BOISE

November 8, 1960

Re: Permit No. G-26100

DEPOSITIONS ARE OF NO VALUE
UNLESS AFFIDAVIT OF PUBLICATION
IS ATTACHED

Mr. E. C. Underhill,
Box 110,
Boise, Idaho.

Dear Mr. Underhill:

This acknowledges the Notice of Proof of Completion of Works and Application of Water to Beneficial Use under Permit No. G-26100. The proofs are to be made at 10:00 o'clock A.M., on the 12th day of December, 1960 ~~at 10:00 a.m.~~ before Frances McKenna, Idaho First National Bank, Boise, Notary Public.

As of this date we have mailed the Notice to the News-Times with instructions to publish it once a week for four consecutive weeks prior to the date set for final proof and then mail the affidavit of publication and statement of costs to you.

It is important that the enclosed depositions be executed by you and two disinterested witnesses who are familiar with the terms of the permit and the work done thereunder, at the place, on the date, and at the time and before the Notary, as advertised. It is very important and necessary that each question be answered in detail.

In returning the depositions to this office, be sure that all copies have been signed, the Notary's seal has been placed on each and that all depositions, (holder and two witnesses) are being returned. Also be sure to enclose the Affidavit of Publication.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By:

Rule
(Mrs.) Edna P. ~~Kirkridge~~
Chief Clerk

D26100

Encl.
EPR: ~~puk~~
cc: Notary

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

Boise, Idaho

Re: Permit No.G-26100
E. C. Underhill

Date: Nov. 8, 1960

The News-Times,
Meridian, Idaho.

Gentlemen:

Enclosed you will find notice for publication, once a week for four consecutive weeks prior to December 12, 1960 the date set for proof; the expense of the publication is to be paid by the applicant

E. C. Underhill of P.O.Box 140, Boise, Idaho to whom you should furnish proof of publication on or prior to the date set for proof.

Please acknowledge receipt of this notice and furnish this office with a copy or tear sheet of the first publication.**

Very truly yours,


GEO. N. CARTER
State Reclamation Engineer

** If the first copy is not received in this office for checking purposes and errors appear in subsequent issues, it is possible that re-publication of corrected copy will be at your own expense

Encl.

B26100

RECEIVED
NOV 8 1960
Department of Reclamation

NOTICE TO ACCOMPANY THIS LETTER MUST BE MADE IN DUPLICATE

(Date) November 8, 1960
(P. O.) Box 110, Boise, Idaho

TO THE STATE RECLAMATION ENGINEER:

Boise, Idaho

Dear Sir:

You are hereby authorized to have the attached notice published at my expense in the

The News-Times of Meridian, Idaho published in
the county in which the works are situated.

E. L. Underhill

(In case of canals or other works designed to divert and carry more than 50 cubic feet of water per second, the following certificate must be signed by a well known and competent engineer.)

I hereby certify that the facts set forth in the attached notice are true.

Engineer.

D26100

RECEIVED
NOV 8 1960

Department of Reclamation

Form 36

NOTICE OF PROOF OF COMPLETION OF WORKS
and
APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that at 10:00 AM., on the 12th day of December, 19 60, at Boise, County of Ada, State of Idaho, before Frances McKenna, Notary Public, at (address) Idaho First National Bank, proof will be submitted of the completion of works for the diversion of .40 cubic feet per second of underground water from a well, and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. 0-26100 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the person or corporation holding said permit is E. C. Underhill, P. O. Box 140, Boise, Idaho

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use is .40 cubic feet per second.

3. The use to which said water has been applied is irrigation and domestic purposes, and the amount applied to beneficial use is .40 cubic feet per second.

4. The point of diversion of said water is SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35; T. 4 N; Rge. 2 E.B.M.

5. The place where said water is used is SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 35.,
Twp. 4 N., Rge. 2 E.B.M.

6. The date of priority which said user is prepared to establish is December 1, 1955.

026100

Geo. H. Carter
State Reclamation Engineer

S T A T E O F I D A H O

DEPARTMENT OF RECLAMATION
Boise, Idaho

Re: Permit No. G- 26100

Date: Sept. 30, 1960

E. C. Underhill
1803 N. 12th St.
Boise, Idaho

Dear Sir:

The date for proofs of Completion of Works and Application of Water to Beneficial Use, as set out under the terms of Permit No. G- 26100 are due not later than December 6, 1960.

Before these proofs can be made, the statutory requirement is that a notice of your intention of proof be published once a week for four consecutive weeks in a newspaper within the county in which the land is located. In completing the Notice of proof for publication, the information should be taken from your Permit, including any amendments made in connection with a change of point of diversion or land list which has been recorded in this department. If changes have been made and no amendments are on record, we advise that you request a form for this purpose before your Notice is published.

We enclose Form 36, in duplicate, which is to be filled out and returned to this department at least forty (40) days before the above mentioned date, (allowing for four weeks publication). Please give the name of the town, the address of the place where the depositions will be executed, and, the name of notary public before whom you will appear to make the depositions of proof (this may be at any place convenient for you and your two witnesses), the quantity of water filed; for what purpose it is used; the point of, or points of diversion; and the location of use or the lands which are irrigated -- all by legal land description.

Enclosed also is Form 11, which is the authorization for us to have the notice published in the designated county newspaper at your expense. This is to be returned with Form 36.

At the time we send the notice to the newspaper we will send to you the forms for the depositions of holder and two disinterested witnesses. It is important that the depositions be executed at the time, on the date set, at the place named and before the notary public, as advertised in the publication notice.

Very truly yours,

GEO. N. CARTER
STATE RECLAMATION ENGINEER

Enclosures Form 36 - 11 - instructions

826100

December 8, 1955

RE: Permit No. G-26100

Mr. E. C. Underhill
1803 No. 12th Street
Boise, Idaho

Dear Mr. Underhill:

We enclose Permit No. G-26100 and direct your attention to the limitations and conditions as given on the fourth page under approval of the State Reclamation Engineer.

We also enclose departmental receipt No. G-1572 for the \$5.00 filing fee.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:cu
Enc.

826100

[illegible]

Tract A: 5 Acres; West 1/2 of SW 1/4 of SW 1/4 of NE 1/4
Tract B: 10 Acres; SE 1/4 of SE 1/4 of NW 1/4
Tract C: 5 Acres; North 1/2 of NE 1/4 of NE 1/4 of SW 1/4
(each cornering upon center of Sec-4535
Township 4 North; Range 2 East, E. M.
Ada County, Idaho.

