

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

License of Water Right No. 94-7015 Priority July 10, 1970 Amount 2.50 cfs

THIS IS TO CERTIFY, that CITIZENS UTILITIES COMPANY

of Wallace, Idaho, has complied with the terms and conditions of Permit No. 94-7015 issued pursuant to Application for Permit dated July 10, 1970, and has submitted proof to the Department of Water Resources on July 16, 1975, that he has applied water to a beneficial use; an examination by the Department indicates that the works have a capacity for the diversion of 2.50 cfs of water from Cranky Gulch, tributary to Placer Creek, and that the permit holder has applied to a beneficial use and established a right to use water as follows:

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
<u>Municipal</u>	from <u>Jan. 1</u> to <u>Dec. 31</u> at <u>2.50</u> cfs and <u>n/a</u>		
	from _____ to _____ at _____ cfs and _____		
	from _____ to _____ at _____ cfs and _____		

(both dates inclusive)

Subject, however, to the condition that no more than 2.50 cfs of water be diverted at any one time, and that the amount of water so diverted and to which such right is entitled and confirmed is for the purpose aforementioned and is limited to the amount which can actually be beneficially used and shall not exceed n/a acre feet per year, said waters to be diverted within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 3,
Twp. 47 N, Rge. 4 E, B. M. in the County of Shoshone

Description and location of place of use: City of Wallace, Idaho & Vicinity

Twp.	Range	Sec.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				Totals
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	

Total number of acres irrigated _____

A measuring device of a type approved by this Department shall be permanently maintained as part of the diverting works.

NOTE: Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho Law. This right may be forfeited by five years of non-use.

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

Witness the seal and signature of the Director, affixed at Boise, Idaho, this 21 day of October, 19 75.

Director

Identification No. 94-7015

Application No. _____

LICENSE ISSUED FOR 2.5 SEC. FT.
 LICENSE PAGE NO. _____

STATE OF IDAHO
 DEPARTMENT OF RECLAMATION
APPLICATION FOR PERMIT

APPROVED

To Appropriate the Public Waters of the State of Idaho
 (TYPE OR PRINT IN INK)

1. Name of applicant CITIZENS UTILITIES COMPANY
 post office address 612 Cedar Street, Wallace, Idaho 83873
2. Source of water supply Cranky Gulch which is a tributary of Placer Creek
3. a. Location of point of diversion is SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 3 Township 47N
 Range 4E B.M. Shoshone County; additional points of diversion if any: _____
- b. If water is not consumed, it will be discharged into _____ at a point in _____ $\frac{1}{4}$
 of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____
4. Water will be used for the following purposes:
 Amount 6.0 cfs for Multiple Domestic use purpose from 1-1 to 12-31 (both dates inclusive)
(cfs or acre-feet per annum)
 Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
 Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated:
 a. 6.0 cubic feet per second and/or
 b. _____ acre feet per annum.
6. Proposed diverting works:
 a. Description of ditches, flumes, pumps, headgates, etc. 18" Concrete perforated
infiltration gallery and a 6" and existing 12"X 6200' water main
which will transport the water to an existing 750,000 gallon tank
- b. Height of storage dam --- feet, active reservoir capacity --- acre feet; total reservoir
 capacity --- acre feet, materials used in storage dam: ---
 Period of year during which storage will occur --- to --- inclusive.
(Mo. Day) (Mo. Day)
- c. Proposed well diameter is --- inches; proposed depth of well is --- feet.
7. a. Time required for the completion of the works and application of the water to the proposed beneficial use
 is 5 years
 b. Estimated construction cost is \$ 7,500
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 SW $\frac{1}{4}$ of Section 26 Township 48N
 Range 4E B.M. _____
 (2) Amount of power to be generated: --- hp under --- feet of head.
 (3) List number of each kind of livestock to be watered ---

 (4) Name of municipality to be served Wallace, or number of families to be
 supplied with domestic water --- 910.
 (5) If water is to be used for other purposes describe: Domestic water supply for the
City of Wallace and territory adjacent thereto.

94-7015

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP.	RANGE	SEC.	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

Total number of acres to be irrigated _____

c. Describe any other water rights used for the same purposes State of Idaho, License and Certificate of Water Right # 18681 recorded in Volume 9 of Licenses at page 4025

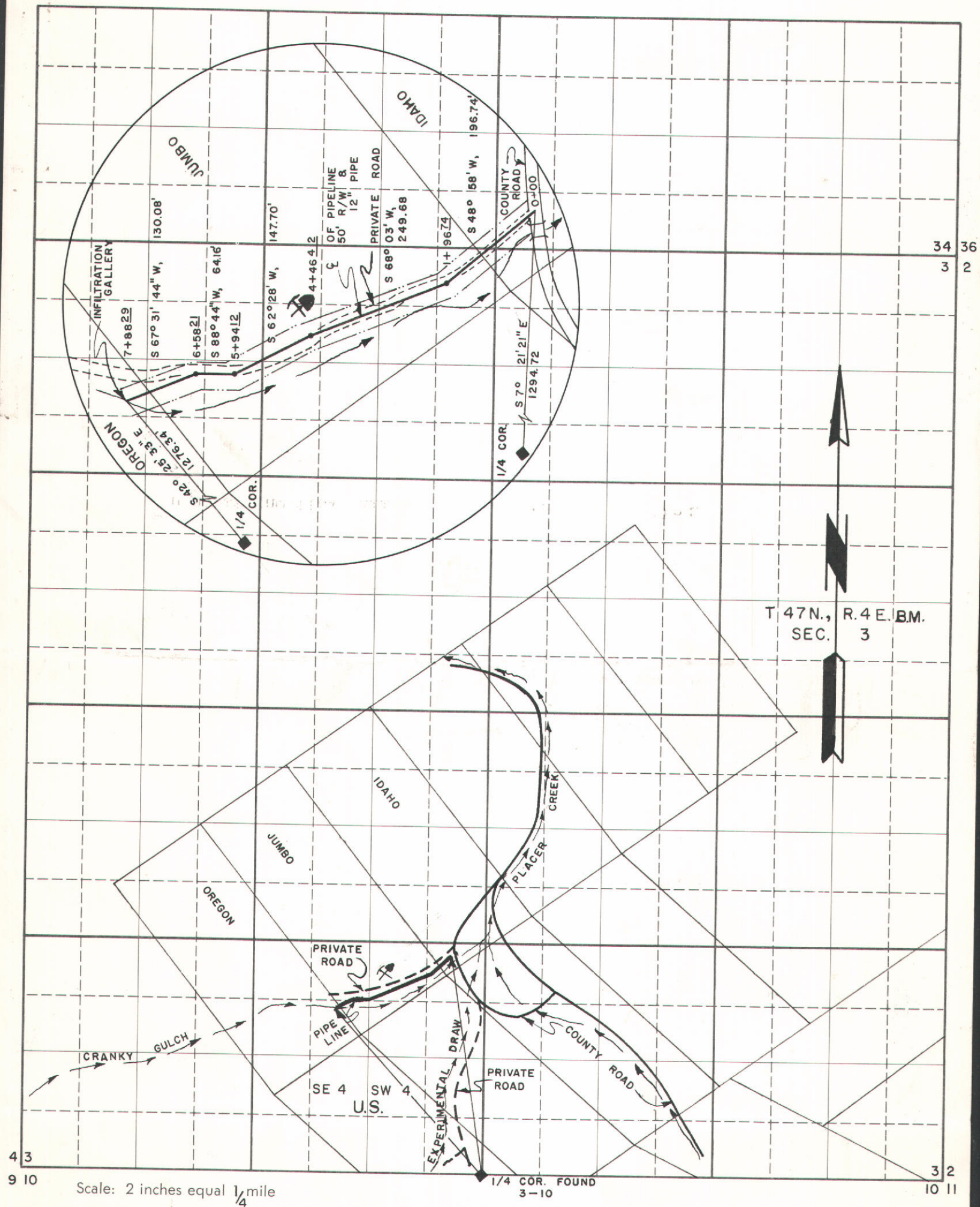
9. a. Who owns the property at the point of diversion _____

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

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing Right-of-Way application being filed with the Idaho Land Office manager of the United States Department of Interior-Bureau of Land Management 550 West Fort Street, Boise, Idaho

10. Remarks The bottom stream flow will be diverted through a sand and gravel filtration system which will be installed in the stream bed. There will be no dam or reservoir area. The natural stream bed and the direction of natural stream flow will remain basically undisturbed.

11. Map of proposed project:



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.

CITIZENS UTILITIES COMPANY

By

(Applicant)

Its President

94-7015

Received by ef Date 7/6/70 Time 8:00 AM
Preliminary check by ell Fee \$ 45.00
Receipted by ef Date 7-10-70
Publication prepared by de Date 7-16-70
Published in The Wallace Miner
Publication dates 7-23+30-70
Publication approved de Date 8-9-70
Priority reduced to _____ Reason _____

Protests filed by: _____

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

APPROVED

ACTION OF STATE RECLAMATION ENGINEER

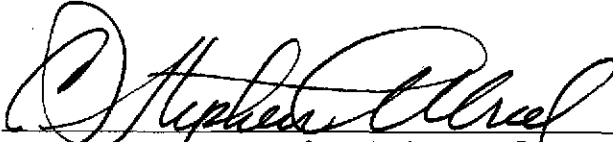
This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 94-7015, and said application is hereby APPROVED.

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

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before August 1, 19 75.
- c. Other: The permit holder shall permanently install and maintain a measuring device of a type approved by the department as part of the diverting works. This permit is supplemental to all prior rights.

2. Denial of said application is for the following reasons: _____

Witness my hand this 18th day of August 19 70.


Deputy State Reclamation Engineer

DEPARTMENT OF WATER ADMINISTRATION

STAFF ANALYSIS

Application No.	94-7015		Name	Citizens Utilities Company	
Source	Cranky Gulch, trib. of Placer Creek				
Point of Diversion	SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 3, T. 47 N, R. 4 E, B. M., Shoshone				
Quantity	6.0	Use	multiple domestic	Period	Jan. 1 - Dec. 31
Quantity		Use		Period	
Quantity		Use		Period	
Well Size		Diameter		Proposed Depth	
Use	City of Wallace, 910 families				
Date Forwarded	7-16-70		Date Returned	9-18-70	
			Received by	DWC	

COMMENTS: Point of diversion is 2 miles ~~up~~ upstream from the town of Wallace (Wallace 15' QUAD). Source is a minor tributary to Placer Creek; no record of previous diversions on file.

RECOMMENDED:

Applied: Qty.	6.0	Use	MULT DOM	Period	1/1-12/31	AF/A		AF	
Qty.		Use		Period		AF/A		AF	
Qty.		Use		Period		AF/A		AF	
Maximum: Qty.	1.82	Use	MULT DOM	Period	1/1-12/31	AF/A		AF	14.5
Qty.		Use		Period		AF/A		AF	
Qty.		Use		Period		AF/A		AF	

ACTION: Approved ☒ Denied ☐

Conditions of approval or reason for denial: May be licensed for higher rates of diversion, but not to exceed a total quantity diverted of 14.5 acre-ft. per annum.

INVESTIGATION

By

Paul M. Casteln.

Title

W.F.I. - I

Date

Sept. 15, 1970

94-7015

RECEIVED

FIELD REPORT

JUL 23 1964

- Department of Water Resources
Northern District Office

- (name spring, stream, etc.)

- Other uses: _____

- Max Rate of Diversion 6.00 cubic feet per second and annual volume _____ AF/Annum.

- Other Points of Diversions: _____

Description of diverting works: 18" perforated concrete infiltration gallery, a 6" X 850' steel pipe, a 12" X 6200' steel pipe, to a 750,000 gallon steel tank and two 16" lines to City of Wallace.

Measuring device required: yes ☒ no ☐

6. Lands to be irrigated or place of use. (Domestic water supply for the City of Wallace and territory adjacent thereto.)

[illegible]

TOTAL ACREAGE _____

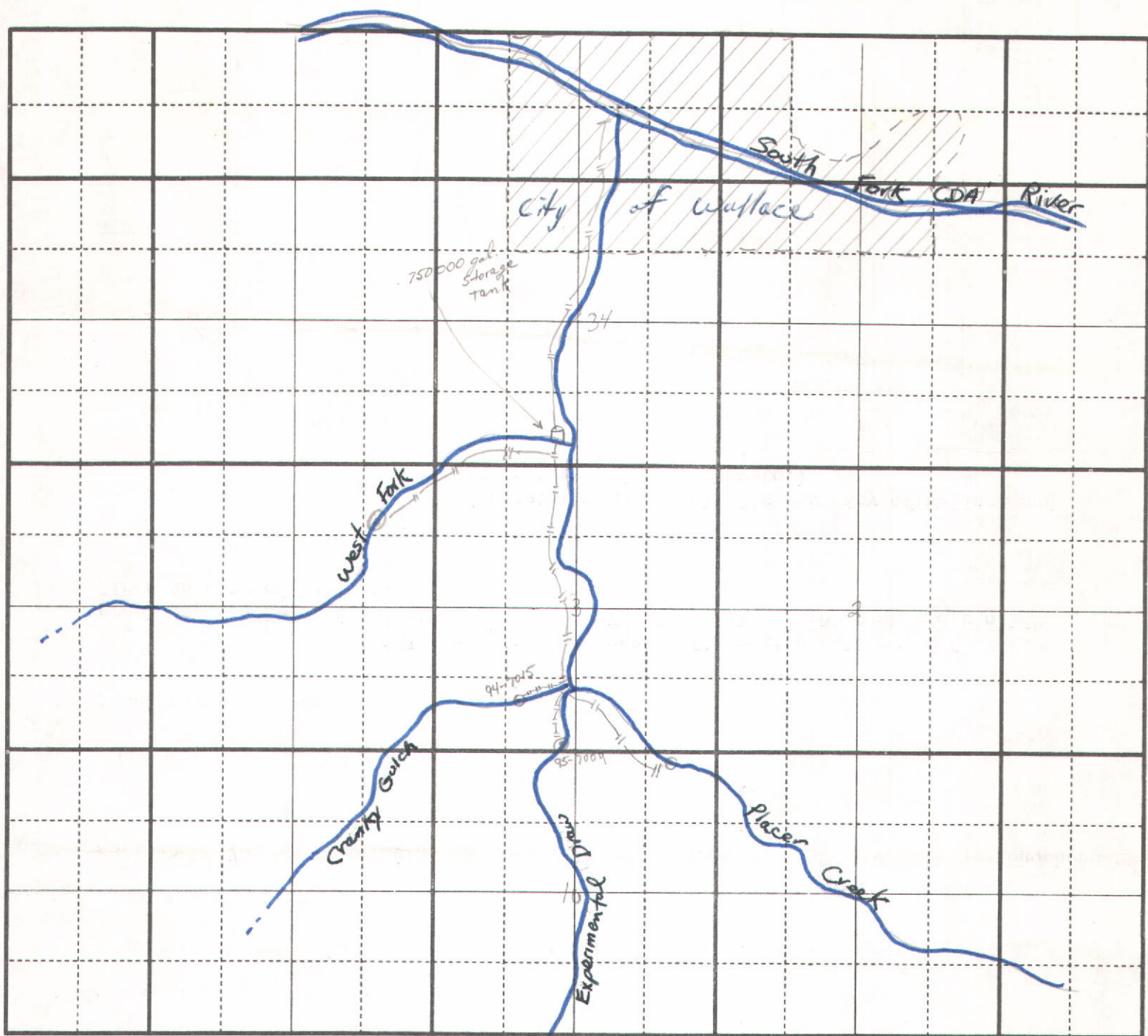
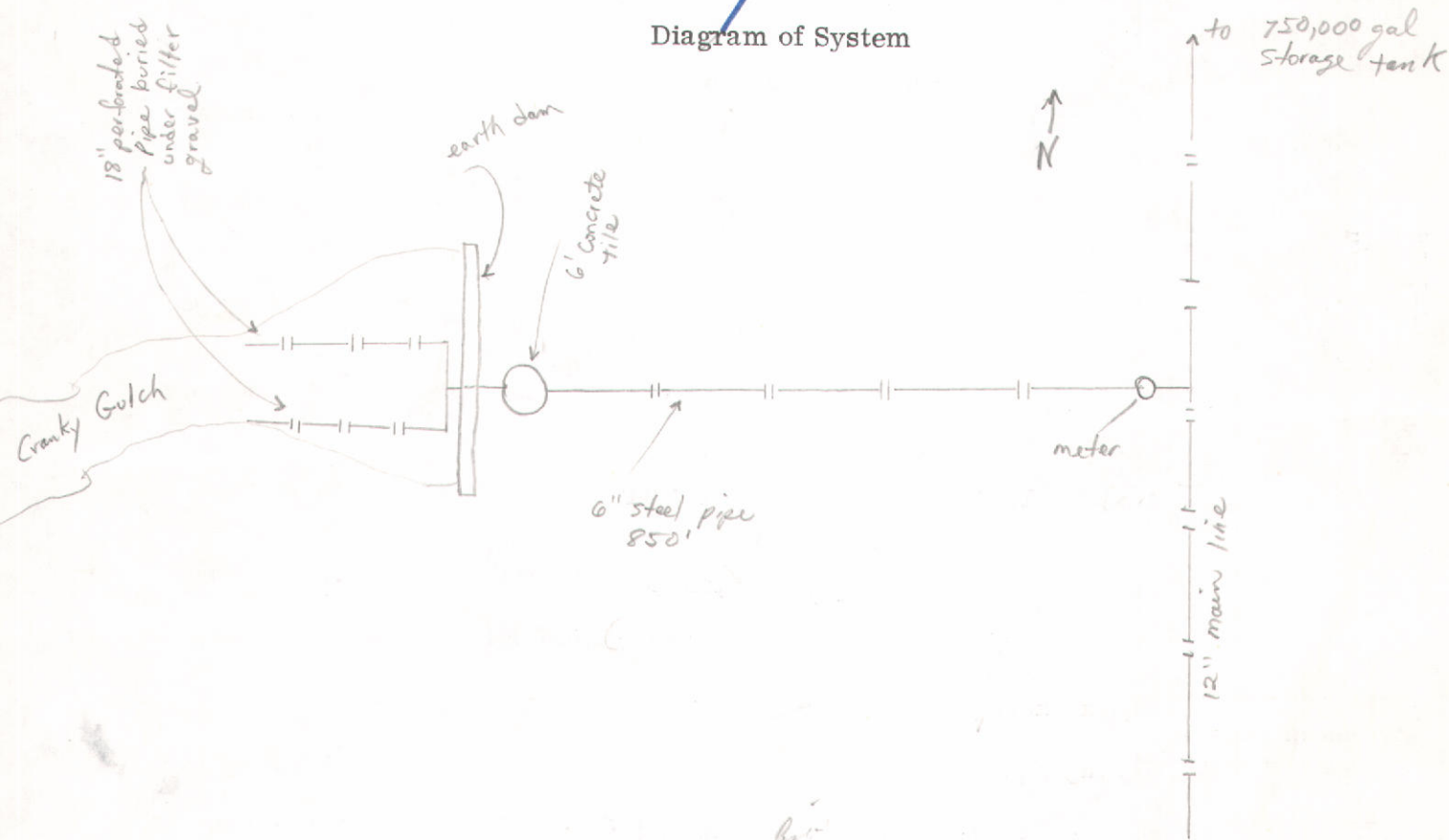


Diagram of System



Permit No 94-7015

Determine Q of pipeline from Cranky Gulch

Given

6' diameter pipe (steel) 850' long
head of 90'

Solution

Using Mannings formula

$$Q = \frac{0.463}{n} d^{8/3} s^{1/2}$$

where n = roughness coefficient assume 0.010
 d = diameter of pipe in feet
 s = slope of the pipe

$$Q = \frac{0.463}{0.010} 0.5^{8/3} \left(\frac{90}{850}\right)^{1/2}$$

$$= \frac{0.463}{0.010} \cdot 0.157 \cdot 0.3240$$

$$= 2.36 \text{ cfs}$$

DATE OF EXAM 9/22/75

ACREAGE

Found 0
Recommended 0

Irrigation Requirement _____ Ac Ft/Ac

USE

Irrigation Q= _____ c.f.s. V= _____ AF/Ann. from _____ to _____
Domestic Q= _____ c.f.s. V= _____ AF/Ann. from _____ to _____
Livestock Q= _____ c.f.s. V= _____ AF/Ann. from _____ to _____
Municipal Q= 2.5 cfs from 1/1 to 12/31

Is water co-mingled? yes _____ no ☒

Name source: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Exchange? yes _____ no ☒

Name source exchanged with: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Point of injection: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Point of exchange: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Total Q measured 2.5 cfs Method of measurement estimated by Scobey Formula

Total Q recommended 2.5 cfs Meter No. M0348722 Type Badger Condition Good

Total V recommended (municipal purposes)

Recommended Amendments:

P.D. _____
Place of Use _____
Other _____
None ☒

MEASUREMENT CALCULATION:

SYSTEM DESCRIPTION:

Water from Grants Gulch is impounded by an earth dam approx 3' high. (2) 18" perforated pipes collect the water and convey it to a 6" concrete tile partially under ground. Then a 6" steel pipe conveys the water downhill approx 850' to the 12" mainline then to a 750,000 gal storage tank. The entire system is gravity flow.

REMARKS:

Water from Grants Gulch is used primary for a back up system, and to supplement the main source from the west fork. At time of exam very little water was being used, therefore the Scobey Formula was used to determine the maximum capacity of a 6" steel pipe 850' long with 90' of head. (See above)

Examiner's Signature Julius E. Smith Date 9/22/75

Checked by Robert Date 9/22/75

Approved by _____ Date _____

Identification No. _____

Permit No. 94-7015

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE

Dept. of Water Resources

JUL 18 1975 *OK jr*

1. a) Name of Permit Holder CITIZENS UTILITIES COMPANY
b) Post Office Address 612 Cedar Street, Wallace, Idaho
2. Permit Number 94-7015
3. Date of Priority that you are prepared to establish July 6, 1970
4. a) Source from which water was appropriated Cranky Gulch
b) Location of the point of diversion: SE 1/4 SW 1/4, Section 3
Township 47 N, Range 4E Boise Meridian, Other points of diversion:

5. a) The amount of water and use to which the water has been applied:
Amount 6.0 CFS for Domestic Use purposes from 1-1 to 12-31 incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
Amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
Amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
b) Total amount appropriated 6.0 CFS cfs and/or acre-feet per annum
c) Describe how and by whom measurement of rate of flow or amount of storage was made and the qualifications of the person making the measurement: Bovay Engineers, Spokane, Washington
Larry D. Biggs PE

6. If the means of diversion and conveyance are owned by someone other than the Permit Holder:
a) Give the name or description of the canal, ditch or other works by which the water is conducted to the place of use:

b) Describe the agreement or understanding by which you take water from the works: _____

7. a) Briefly describe the works for diverting and conveying the water to the place of use, (if from a subterranean source, give the pump size, motor size, size of well casing, depth of well; if from surface water, give brief description of diversion structure and/or canal or ditch) 18" perforated concrete infiltration gallery, a 6" x 850' steel pipe, a 12" x 6200' steel pipe, to a 750,000 gallon steel tank, and two 16" lines to City of Wallace.
b) Describe the type and size of measuring device which you have installed at your point of diversion: 6" Model MDIM Badger flow meter
c) Give well driller's name and address and the date the well was completed: _____

8. If for other than irrigation, describe the beneficial use to which you have applied the water and the place of use: Domestic water supply for City of Wallace and adjacent areas.

Exam typed 7-18-75 *by*

MICROFILMED

9. Irrigation uses: describe the lands irrigated by giving the acreages irrigated within each 40 acre subdivision: _____

T	R	SEC.	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

Total number of acres irrigated _____

10. Remarks: The bottom stream flow has been diverted through a sand and gravel filtration system in the stream bed. The stream bed and the direction of natural stream flow remain basically undisturbed.

The above information is a true statement of the extent to which the above numbered permit has been developed.

CITIZENS UTILITIES COMPANY

8 July 1975

(Date)

By

William Stewart
Vice President
(Signature)

State of Connecticut)

) ss.

County of Fairfield)

On this 8 day of July, 1975, personally appeared before me the signer(s) of the above instrument, who duly acknowledged to me that he (she) (they) executed the same.

Dominique E. Provenza
Notary Public residing at 88 RIDGEWOOD RD.
RIDGEFIELD, CONNECTICUT

My Commission Expires April 1, 1980

My commission expires _____

NOTICE OF APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF IDAHO

Notice is hereby given that Citizens Utilities Company, 612 Cedar St.,
Wallace, Idaho, has on July 6, 1970,
submitted Application No. 94-7015 to appropriate the public waters of
Cranky Gulch, tributary of Placer Creek.

~~the proposed uses are~~ _____

The application proposes a maximum diversion and appropriation of 6.0
cubic feet per second ~~acre feet~~ of water to be diverted by mainline and tank
within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 3,
T. 47N, R. 4E, B.M., Shoshone County,

and is to be used within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26, T. 48N, R. 4E, B.M. for multiple
domestic purposes from Jan. 1 to Dec. 31

Any permit issued pursuant to this application will be subject to ALL PRIOR
WATER RIGHTS and subject to the CONTROL OF A STATE WATERMASTER. Any protest
against this application must be filed with the Idaho Department of Water Adminis-
tration on or before August 10, 1970.

R. KEITH HIGGINSON
Director

Published in the The Wallace Miner, Wallace, Idaho,
on July 23 and July 30, 1970.

X-9

94-7015