

Well #1 78-4017

RECEIVED

JUL 18 2005

DEPARTMENT OF
WATER RESOURCES

Feb. 2 - 1951

Regular meeting.

Present: Cles Patterson, Ernest Paul
Homer Brisson, John Carrey, Stewart Aitken
Meeting called to order by Cles Patterson
chairman at 8 o'clock.

Minutes of last meeting read and
approved.

Discussion concerning leaking pipes
between Dick Lorango and Ivar Nelsons.

Homer Brisson reported the City
Council has purchased .52 of an acre
from Henry Elfers and had contacted
a well driller.

Discussion on ditch conditions
and repair work at entrance in
Little Salmon River and above Ivar
Nelson's place.

A piece of flume at Ivar Nelson's
place should be repaired soon.

Homer Brisson moved that Ernest
Paul contact Dick Lorango and see if
he will do the flume job at Ivar
Nelson's and see about keeping the water
running into the tank and see about
the condition at the intake and needed
repairs. Sec. Carried.

The secretary was instructed to order
4 -- 6 in. pipe saddles for spiral weld
pipe with 1/4" out let, also valves stop
and waste valves for saddles, 4 -- 3/4" LS
and 8 -- 3/4" close nipples. To be order-
ed from Armco Co. at Ontario.

Adjourned 9:50

Jennie Egbert
Sec.

COUNCIL BRANCH
THE IDAHO FIRST NATIONAL BANK

COUNCIL, IDAHO

Aug. 29 1951

PAY TO THE
ORDER OF

W. H. Haney and Son, N. P.

\$3501.72

Three thousand five hundred one and 72/100

DOLLARS

No. 177 - well contract
VILLAGE OF RIGGINS, IDAHO

L. Lowe, Chairman
Don Brannon, Treas.

October 17, 1951

Mr. Herb Clare
Idaho State Department of Public Health
Boise, Idaho

Dear Mr. Clare:

It is requested that the following surplus materials from the supplies available at Farragut be allocated for the Riggins Water District, Inc., Riggins, Idaho:

1000' - 6" Cast Iron B&S Pipe	1000 lbs. lead
4 - 6" Gate Valves	10 - 3" gate valves
4 - 6" Valve Boxes	1 - 6" fire hydrant (if available)
3 - 6x6x6 Tees	

The Riggins Water District, Inc., formerly the Riggins Water Association, maintains and operates the water system for the town of Riggins. The system is jointly owned by the Riggins Water District and the Village of Riggins; that is, the Village owns the recently installed pump, well, pump house, reservoir cover and the pump-to-main line connecting pipe, and the District owns the remaining distribution system.

At a meeting of the District on October 15, 1951 the board of directors voted to purchase the required amount of materials listed above from Farragut supplies for the purpose of connecting to a proposed reservoir to be located on the hill just west of town. It is intended to move the existing 24,500 gallon wooden reservoir on Squaw Creek (the former source of supply) to the new site unless funds are available for the construction of a larger reservoir. Construction will probably be financed jointly by the Village of Riggins and the Riggins Water District, and will commence this fall or early spring.

In discussing this matter with you this morning you indicated that you have tentatively held this material for allocation to the Village of Riggins, a municipal corporation, and that it would be irregular to allocate the material to the Riggins Water District, Inc., which is not a municipal corporation. If you cannot properly allocate the materials to the District, I am sure that arrangements can be made for the Village to initiate the request. To them it is largely a matter of which organization has the necessary funds, and right now the District is in a position to finance the purchase.

Upon notification of allocation from your office the material will be ordered by the District from the salvage company at Farragut.

Yours very truly,



S. M. PARTON
Engineer for Riggins Water District

CC: Cleo Patterson, Chm'n
Riggins Water District

Jack Rowe, Chm'n
Village of Riggins

Special Meeting

Nov. 12/51

Present: Cles Patterson, R. M. Spickelmire
John Carrey, Homer Brisson, Stewart Aitken.

Meeting called to order by chairman Cles Patterson at 8:15.

Report of R. M. Spickelmire concerning purchase of land from Fred Hinkley for tank sight and road to sight. Type written report handed in.

Cles Patterson reported on recent meeting and interview with S. M. Barton.

Material from Garagut	-----	\$ 1,200.00
Installation 1000 ft. 6" cast	-----	1700.00
iron pipe @ \$1.70 -	-----	500.00
Moving existing reservoir	---	100.00
Painting reservoir	---	500.00
Installing Melba tank and cost	-----	\$ 4000.00
Cost of engineering - 10% -	---	400.00
10% -	---	400.00
	-----	\$ 4,800.00

Homer Brisson reported the Village Council will pay \$30.35 on electric bill for running the pump.

Moved by R. M. Spickelmire that the last bill of \$110.00 for 1 month for running the pump be investigated. Sec. Homer Brisson. Carried.

The secretary was instructed to write to the Idaho Power Co. about the bill.

Discussion:

Borrowing money to buy pipe.

Moved by Homer Brisson that we contact Paul Diep and accept \$1,500.00 of his money for use in purchasing (over)

Report handed in Nov. 12 - 1951

Riggins, Water, District. Inc.
Riggins Idaho.

Gentlemen:

Having consulted , Mr. Fred Hinkley, about the purchas
of a small tract of land to put the proposed water storage tank
on, and a easment of right of way to same. I find Mr. Hinkley a
little reluctant to the Idea of deeding the land or the right of
way, However I believe an agreement can be worked out, If Mr. H
Hinkley, can-be asured that he will have free and undesputed right
to travel on or across said right of way. the same as the water dist.
and said right of way be lacated so it will not destroy any improvments
now located on His property, or hender His operations-in farming.
The right of way referd to is a road to the tank. I do not thik Mr.
Hinkley, would be particular where the pipe was laid, as long as it
did not disturb His alfalfa field or other Improvments. Mr. Hinkley
seems to be quite set on the idea of the three quarter inch out let
to be used as he sees fit. with no charge. of which I do not approve
becaus as time goes on, after Mr. Hinkley and this water board are
all through with it, complications may set in.

I would suggest that an offer be made as follows.

The water district, pay Mr. Hinkley five hundred dollars. for a tract
of land one hundred feet squair, (or what ever size you think necessary)
with Privlage to construct and maintain water line to same. and
right of way for road to the property. Locations to be agreed on
by bothh partys. Both partys to have use of right of way.
Payment to be made. either in cash or by giving Mr. Hinkly The use of
a three quarter inch outlet for a period of twenty years. Which would
amount to four hundred and eighty dollars. and a cash payment of
fifty doallars. which would alow a little intrest.

R.M. Spickelmeier

STATE OF IDAHO
DEPARTMENT OF PUBLIC HEALTH
PUBLIC HEALTH ENGINEERING
BOISE

REPORT OF WATER SUPPLY

Year.....1953.....

Place Riggins..... County Idaho..... Census Population.....

Ownership Riggins Water District..... Cleo Patterson, Chairman of Board
Mrs. Jean Willis, Secretary

Supply used by Public.....

..... Population served.....350.....

FIELD SURVEY DATA

DESCRIPTION OF SUPPLY: Give a brief description of the source and the main features of treatment, pumping equipment, storage available, adequacy of system, distribution or direct pumping, supervision of additions and extensions from a public health viewpoint, adequacy of pressures, separation between sewers and water mains, laboratory and related controls of quality. If supply is untreated or chlorinated only, describe protection against entrance of contamination. Attach additional sheets if necessary.

Source of water is a 12" drilled well 96' deep located in a pasture near the southeastern part of the village. Well is drilled in gravel, and grouted to a depth of approximately 20'. Pump is a Denning turbine with a capacity of 300 to 400 gpm. Pump is electrically driven, with gasoline stand-by. Casing extends above ground and is enclosed in concrete pump base. Discharge line (6") is fitted with propeller totalizing meter and check valve. A small wooden reservoir (covered) rides on system. District system is mostly steel.

Old Squaw Creek supply is still connected to system and is used occasionally.

The system is not metered, and usage is excessive during summer.

PUBLIC HEALTH DEFECTS: Describe briefly the sanitary defects such as by-passes, cross connections, emergency intakes to unsafe supplies, inadequate protection against sources of pollution, inadequacy of treatment, defective structural features, possibility of flooding, deficient operating practices, inadequate sanitary control of additions or extensions to system, lack of proper plumbing regulations and enforcement, inadequate control of water in distribution system. Attach additional sheets if necessary.

1. No bacteriological record during past year.
2. Squaw Creek supply connected to system.
3. Area near well used as pasture.
4. Excessive use of water for irrigation.

Engineer Vaughn Anderson..... Date of Investigation October 5, 1953.....

IDAHO

DEPARTMENT OF
PUBLIC HEALTH

BOX 640 BOISE

L. J. PETERSON, M.S.P.H.
ADMINISTRATIVE DIRECTOR



LEN JORDAN, GOVERNOR
EX-OFFICIO COMMISSIONER

DIVISION OF
ENVIRONMENTAL SANITATION
H. C. CLARE, M.S. ENG., CHEM. ENG.
DIRECTOR

MILK AND FOOD SANITATION
WATER POLLUTION CONTROL
PUBLIC WATER SUPPLIES
INDUSTRIAL HYGIENE

July 26, 1954

Mr. Cleo Patterson, Chairman
Board of Trustees
Riggins Water District
Riggins, Idaho

Dear Mr. Patterson:

This is to report the results of our observations of night time water usage at Riggins. These results were obtained July 16 and 17. Meter readings taken by Mr. Jack Rowe, July 7 - 14 were as follows:

Date, July 1954	Meter Reading	Daily Use, Gals.	Average Use gals./hr. (24 hour basis)
7	70025300	377,800	15,700
8	70403100	340,600	14,200
9	70743700	415,700	17,300
10	71159400	250,400	10,400
11	71409800	341,000	14,200
12	71750800	402,400	16,800
13	72153200	408,400	17,000
14	72561600	-	-
		Average: 362,600	15,100

On the basis of 250 persons served, average per capita use for the period July 7 - 14 was 1,350 gals. Although this includes water used for irrigation, usage is excessive and one half of the average amount, or less, would be a reasonable usage.

You indicated that all residents of Riggins had been informed of the test period on Friday night and were requested to have all water taps closed that night. Water usage was as follows:

Date & Time July	Time	Meter Reading gals.	Water Used gals.	Average Water usage/hr.
16 8:35p.m.	-	73202200	-	-
17 1:07p.m.	5 hrs. 2 min.	73241100	38,900	7,780
17 5:05p.m.	3 hrs. 58 min.	73270300	29,200	7,300

Mr. Cleo Patterson
Page 2
July 26, 1954

Meter readings were taken immediately after the pump stopped when the elevated tank was full. Pump output was determined by meter readings and timing to be 300 gpm.

It seems very likely that there is considerable leakage in the distribution system possibly as much as one half of that pumped. This is confirmed by your report that minimum annual usage has been reported to be about 7,000,000 gallons per month or about 230,000 gals/day. The storage tank does not leak.

A detailed check of the system is desirable. If obvious leaks cannot be detected by observation of water at the ground surface, inspections should be made of sections of wooden line. You indicated that water meters are being installed in individual service lines. Since there may be considerable leakage of private plumbing fixtures, it may be desirable to wait until all or most of the water meters are installed before a thorough check is made of the distribution system.

Very truly yours,

Aleck Alexander
Aleck Alexander
Public Health Engineer

AA:dn

cc: Jack Rowe

WHEREAS the Riggins Water District, Inc., has duly transferred its assets to the City of Riggins, Idaho, a municipal corporation;

AND, WHEREAS, the City of Riggins, Idaho, has duly assumed said Districts' obligation to maintain and distribute domestic and irrigation water to its users;

NOW, THEREFORE, Riggins Water District, Inc., by and through its Board of Directors, has duly authorized its Chairman and Clerk to transfer all its assets to the City of Riggins, Idaho;

The Riggins Water District, Inc., does hereby transfer, convey and set over unto the City of Riggins, Idaho:

That certain pipe line and water system lying between Squaw Creek and Riggins, Idaho, and further identified as having been constructed as W.P.A. Project which was completed in the latter part of 1938, together with all head gates, ditches, laterals and all other matters and things connected therewith or incidental thereto, including all easements, rights of way, and licenses, whether acquired by deed or usage now held by the Riggins Water District, Inc., in connection with said pipe line and water system, and particularly the easement granted by J. S. Aitken et al to Idaho County, Idaho, recorded March 22, 1939, together with all water rights owned by Riggins Water District, Inc., particularly those rights claimed at points of diversion on the Salmon River, NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 28, Twp. 24 North, Range 1 East and Squaw Creek, SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 22, Twp. 24 North, Range 1 East, all in Idaho County, Idaho.

Together with an easement as shown of record and recorded in Book 109 of Deeds, at pages 505-508, in the Office of the County Recorder of Idaho County, Idaho.

TO HAVE AND TO HOLD, all and singular said property and

easement with all appurtenances and privileges incident thereto, unto the City of Riggins, Idaho, forever.

IN WITNESS WHEREOF the Riggins Water District, Inc., has caused its name to be subscribed hereto by its chairman and attested thereto by its clerk, this 12th day of FEBRUARY, 1973

RIGGINS WATER DISTRICT, Inc.,

By Raymond F. Sereanty
Chairman

ATTEST:

By Patricia A. Barton
Clerk

* * * * *

STATE OF IDAHO)
: ss.
County of Idaho)

On this 12th day of February, 1973, before me the undersigned notary public, personally appeared RAYMOND F. SEREANTY and Patricia Barton, known to me to be the Chairman and Clerk of the Riggins Water District, Inc., whose names have been subscribed to the above and foregoing instrument and acknowledged to me that they have executed the same on behalf of said Riggins Water District Inc.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal the day and year in this certificate first above written.

Don W. Gilmerson Jr.
Notary Public for Idaho
Residing at Riggins, Idaho

My Commission Expires:

9-4-76

Filed and recorded at the request of Mrs. Z. Foster
at 3:30 o'clock P. M. this 6 day of June, 1973
Bob G. Waite By _____
Ex-Officio Auditor and Recorder Deputy
Idaho County Idaho Fee \$ 2.00

UHLENKOTT WELL DRILLING AND SUPPLIES

PUMP SALES AND SERVICE

FENN, IDAHO 83531

Phone 962-3923

Well Log

Depth and Strata

WELL NO. 2

0-116
Boulders & Sand

116-118 Shale

OWNER OF WELL City Of Riggins
LOCATION OF WELL South side of city Near little Salmon
NEAREST POST OFFICE Riggins
STATE Idaho COUNTY Idaho
DRILLING BEGUN Sept. 29, 1976 WELL FINISHED October 22, 1976

Well Record

CASING SIZE 10 inch CASING DEPTH 118 ft.
HOLE SIZE 10 inch HOLE DEPTH 118 ft.
CAPACITY OF WELL _____
PUMP SETTINGS _____
CASING PERFORATIONS _____

Invoice

DATE _____

Item	Unit Price	Amount
Drilling 118 ft. 10 in. hole	\$31.00	\$3,658.00
120 ft. 10 inch Casing	14.00	1680 .00
72 ft. Large hole plus 12 in. Pipe	24.00	1,728.00
12 inch Drive Shoe		120.00
10 " Drive Shoe	2.00	85.00
60 ft. Slots	2.00	120.00

TOTAL AMOUNT DUE \$7,391.00

MEMO:

STATE OF IDAHO
BOARD OF HEALTH
Division of Public Health
Engineering and Sanitation

BOISE

REPORT OF WATER SUPPLY

Year 1960

Place Riggins County Idaho Census Population _____

Ownership Riggins Water District Marjorie Shaw, Village Clerk

Supply used by Village of Riggins

Population served 510

FIELD SURVEY DATA

DESCRIPTION OF SUPPLY: Give a brief description of the source and the main features of treatment, pumping equipment, storage available, adequacy of system, distribution or direct pumping, supervision of additions and extensions from a public health viewpoint, adequacy of pressures, separation between sewers and water mains, laboratory and related controls of quality. If supply is untreated or chlorinated only, describe protection against entrance of contamination. Attach additional sheets if necessary.

Source of water is a 12 inch drilled well 96 feet deep located in a pasture near the southeastern part of the village. Well is drilled in gravel and grouted to a depth of approximately 20 feet. Pump is a Johnson turbine with a capacity of 300 to 400 gpm. Pump is electrically driven with gasoline standby. Casing extends above ground and is enclosed in concrete pump base. Discharge line (6 inch) is fitted with propellor totalizing meter and check valve. A small wooden reservoir (covered) rides on system. District system is mostly steel.

Old Squaw Creek supply is still connected to system by means of a "T" with valves on the main and on the Squaw Creek side and a valve on the "T" to a drain into the creek. This allows either system to be drained for repair or the Squaw Creek supply turned into the main in case of an extreme emergency. The valves can only be opened by a long-handled key of which there are two in existence protected by officials of the Water Association.

The system is metered.

PUBLIC HEALTH DEFECTS: Describe briefly the sanitary defects such as by-passes, cross connections, emergency intakes to unsafe supplies, inadequate protection against sources of pollution, inadequacy of treatment, defective structural features, possibility of flooding, deficient operating practices, inadequate sanitary control of additions or extensions to system, lack of proper plumbing regulations and enforcement, inadequate control of water in distribution system. Attach additional sheets if necessary.

1. The reservoir has been painted and the roof repaired but the hatch cover was missing and debris had free access to the reservoir.
2. The creek connection allows unprotected surface water to return into the line without adequate disinfection.

Engineer Arthur Van't Hul Date of Investigation August 11, 1960

STATE OF IDAHO
DEPARTMENT OF PUBLIC HEALTH
PUBLIC HEALTH ENGINEERING
BOISE

REPORT OF WATER SUPPLY

Year 1963

Place Riggins, Idaho County Idaho Census Population _____

Ownership Riggins Water District (Mr. Van Brocklin, Manager)

Supply used by Village of Riggins

Population served 510

FIELD SURVEY DATA

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Some minor repairs to the reservoir roof need to be made to keep out contamination.

Engineer Arthur Van't Hul, P.E. Date of investigation 8-8-63

File Note
July 15, 1974
Riggins Well

Well is owned by the City of Riggins. Operators name is Dick Ziegler. The well is about 22 year old. Well puts out about 300 gallons per minute. The well is metered. It has a pressure system on it. Pressure runs around 68 to 70 psi. The pump is an old fashioned rather antiqued verticle turbine Johnston pump. The well is not vented; however, without knowing the ^{draw} drop down, we do not know if it needs to be vented or not. There is a flow meter on the well. There appears to be a blow off. No water level measurement. Pressure gauge reading 68 psi. There is a spring loaded check valve and a gate valve. The discharge line is an 6 inch cast iron spigot type pipe. Base is a concrete pedestal. It sets up about 14 inches. Also on the pedestal is a gasoline alternate drive for the pump. Heating is done by a portable electric heater in the winter when it gets really cold. The building is a wooden frame building. Quite old and in somewhat of a deteriorated condition. There doesnot appear to be any cross connections; however, there is no floor drain. The piping is leaking at this time. Apparently they have made repairs to the pipe recently, and have had to reinstall the fittings and a rather poor job was done in installing them, and subsequently leaking occurs. Building is not ventilated, however, it really doesn't need it. There are windows available if ventilation is required. There is no chlorination equipment. The site is not subject to flooding. There is a small overnight type trailer park adjacent to the well. It appears to be about 50 feet away and does not appear to be the type of trailers that have toilets in them, and there is what appears to be an outhouse more than 100 feet away from the well site. There does not appear to be any other source of contamination for the well. The well site could be improved; however, it is acceptable. House connections are metered, also. Reservoir is 100,000 gallon steel tank. The top of the tank is adequately ventilated. There is a float mechanism to control the water level in the well. The manhole has a flat cover over it. It does not have

OCT 17 1975

REPORT OF WATER SUPPLY

Year 1975
 Place Riggins County Idaho Census Population 533 (1970)
 Ownership City of Riggins
 Supply used by Municipal
 Population served 580

FIELD SURVEY DATA

DESCRIPTION OF SUPPLY: Give a brief description of the source and the main features of treatment, pumping equipment, storage available, adequacy of system, distribution or direct pumping, supervision of additions and extensions from a public health viewpoint, adequacy of pressures, separation between sewers and water mains, laboratory and related controls of quality. If supply is untreated or chlorinated only, describe protection against entrance of contamination. Attach additional sheets if necessary.

Source of water is a 12 inch diameter drilled well 96 ft. deep. It is grouted to about 20 ft. The pump is a Johnson 25 HP vertical turbine pump with a 40 HP Ford industrial gas engine for a stand by power source. The pump capacity is about 300 gallons per min. The well is metered. Pressure ranges from 68 to 70 psf. The casing extends²⁴ above the floor and is incased in a concrete pedestal. The well is not vented. No water level measuring capabilities exist.

The discharge line is a 6 inch Bell and Spigot with caulked and leaded joints. Recent repairs have left the first joint of this pipe in a cocked position. It is badly corroded and Teaks.

The building is wood frame on a concrete slab. There is no floor drain and the walls of the building are beginning to rot. The reservoir is a 100,000 gal. steel tank. Manhole opening has a flat cover. The 6 inch overflow discharges to an irrigation ditch. The reservoir rides on the system. The distribution system is mostly 6 inch and 4 inch mains with some 3 inch and 2 inch lines. The house connections are metered.

PUBLIC HEALTH DEFECTS: Describe briefly the sanitary defects such as by-passes, cross connections, emergency intakes to unsafe supplies, inadequate protection against sources of pollution, inadequacy of treatment, defective structural features, possibility of flooding, deficient operating practices, inadequate sanitary control of additions or extensions to system, lack of proper plumbing regulations and enforcement, inadequate control of water in distribution system. Attach additional sheets if necessary.

1. Poor joint repair on pump discharge line.
2. Well building was not locked.
3. Well building is in poor condition and should be replaced.
4. Inadequate bacterial record.
5. No floor drain in pump building
6. It is believed that during high river flows river water gets into the well.
7. Murky black water found in sample tap. (no analysis made)
8. Six inch overflow is not screened.
9. Smaller sample tap would be more convenient.

Engineer M. D. Brinkley Date of investigation September 5, 1975