

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34677
Exam Date: 08/30/2024

1. Current Owner:
MORES CREEK RIM RANCHES WATER DISTRICT 1 PALOMA DR BOISE ID 83716-3295
2. Accompanied by: Kenny Everhart
Phone No: (208) 509-0458
Address: 134 Mores Creek Rim Rd (MCRR in Lot shared with Robie Creek Volunteer Fire Department)
Relationship to permit Holder: MCRR Watermaster

3. SOURCE:

GROUND WATER

Tributary

NA

Method of Determination: Garmin GPS and GIS Imagery.**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
NONE	NA	NA	NA

Comments: No rights overlap the parcels within the permitted place of use (POU).

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
63-10797	Groundwater	Domestic	License
63-12397	Groundwater	Domestic	License

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NW¼ SW¼, Sec. 27, Twp 04N, Rge 04E, B.M. BOISE County (Well #2)

GPS Coords: N43°39.072' W115°58.542'

GROUND WATER NW¼ SW¼, Sec. 27, Twp 04N, Rge 04E, B.M. BOISE County (Well #3)

GPS Coords: N43°39.096' W115°58.431'

GROUND WATER SW¼ NW¼, Sec. 27, Twp 04N, Rge 04E, B.M. BOISE County (Well #4)

GPS Coords: N43°39.399' W115°58.357'Method of Determination: Garmin GPS and GIS Imagery.**PLACE OF USE: DOMESTIC**

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	04E	28				X L2									X				
04N	04E	27							X			X							

Method of Determination: Garmin GPS, GIS Imagery, and Tax Parcel Data.**3.**

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X Indicate weir size/pipe as applicable.

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

XX Aerial Photo Attached (required for irrigation of 10+ acres).X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Discharge Size
303283, 303282	Unknown	5	Unknown	Unknown	25GPM
297155	Unknown	5	Unknown	Unknown	15 GPM (set at 472ft)
297154	Unknown	Unknown	Unknown	Unknown	Unknown

Comments: All wells for the system were drilled by Hiddleston from 1992 to 1997. In 2020, when pumps were replaced in wells #2 and #3 both pumps removed were 5Hp. The Watermaster believes that all the wells originally used similar pumps. Well #4 (297154) was abandoned upon the request of the DEQ after they deemed the water was unfit for consumption. However, all three wells were used during the development period.

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flowmeter/Tot.(Well #2)	Analog	Sensus	SR II	Unknown	1"	Unknown
Flowmeter/Tot.(Well#3)	Digital	Sensus	OMNI meter	Unknown	1 ½" or 2"	Unknown

2. Measurements: Well #3 was ran for one minute then measurements were recorded at 1-minute intervals for 10 measurements total. The Well #2 flowmeter had a cracked backing plate and could not be ran the day of the examination. The Watermaster repaired the meter and later emailed photos (Photos 5 & 6) of the meter at the beginning and end of a 10-minute run to attain an average output for the well.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: Flowmeter records for 10 1-minute intervals, which were averaged.

Well #3 (start point zero):

- | | |
|---------------------------|-----------------------------|
| 1. 18.5-gal | 6. 112.7-gal =18.2 Gal/min |
| 2. 38.1-gal =19.6 Gal/min | 7. 130.7-gal =18 Gal/min |
| 3. 58.2-gal =20.1 Gal/min | 8. 147.9-gal =17.2 Gal/min |
| 4. 76.7-gal =18.5 Gal/min | 9. 166.3-gal =18.4 Gal/min |
| 5. 94.5-gal =17.8 Gal/min | 10. 183.2-gal =17.3 Gal/min |
- AVG= 18.4 GPM**

Well #2 (start point zero):

- Min 0= 748902.1 Gal
 - Min 10=748802.7 Gal (Difference 100.6 Gal)
- AVG= 10.1 GPM**

Well #4 (Abandoned): Pumps removed from both other wells had 15 GPM pumps installed. It seems reasonable to infer that when all wells were active during the development period all had similar pumps installed. As no other documentation is available the past discharge is inferred as **15 GPM**.

Total Combined Discharge:

18.4 GPM + 10.1 GPM + 15 GPM= 43.5 GPM / 448.83 Gal/cfs= **0.10cfs**

Permitted Rate= 0.10cfs

BU limited Rate= 0.11cfs

Measured/theoretical Rate= 0.10cfs

Recommended Rate= 0.10cfs

Comments: Administrative Memo #22 allows a rate of up to 0.11cfs for domestic use in 6 homes on a shared system. However, the permit was issued for 0.10cfs. Based on measurements taken at 2 of the well sites, depths/static water levels in all 3 well reports and the original pump details for wells #2 & #3 a rate was inferred for Well #4, which was abandoned during development due to contamination concerns. It seems reasonable that the system has been capable of diverting the full permitted rate during the development period. I recommend the license is issued for the full permitted rate of 0.10cfs.

F. VOLUME CALCULATIONS

- Volume Calculations for irrigation: NA
- Volume Calculations for Other Uses: Domestic Use

Comments: Administrative Memo #22 allows up to 1.2 AF annually per domestic home with up to ½ -acre of irrigation. Within the development period 6 of the 11 permitted homes were developed. I recommend the license is issued with a maximum annual volume of 7.2 AF, per Administrative Memo #22.

G. NARRATIVE/REMARKS/COMMENTS

On August 30, 2024, a field examination of the water distribution system for Mores Creek Rim Ranches (MCRR) was conducted with Kenny Everhart (MCRR Watermaster) as an escort. The permitted use is to divert groundwater for domestic use at 11 domestic homes within the MCRR development. However, during the examination only 6 domestic homes with minimal irrigation could be confirmed (Photos 16-22), and the Watermaster stated that there are no stub-outs or water services available within the undeveloped parcels. The system plans for the community domestic system were reviewed during the examination (Photos 1 & 2) and a system diagram was drafted based on the plans and field observations (Figure 1). The original system diverted from 3 wells, #2, #3, and #4 to fill a water tower in the southeast of the SWNS of section 27, the tower was later moved further upslope to the east, in the SENW (Photo 13, Figure 2). Well #4 was abandoned during the development period due to contamination concerns expressed by the DEQ. Wells #2 and #3 both underwent pump repair/replacement in 2020 (Photos 14 & 15), but contamination concerns require that, when used, they be diluted with surface water. The original pumps removed from each well were 5Hp/15 GPM submersible pumps. At the time of the examination measurements were recorded for the flowmeter installed at well #3 (Photos 7-11), however, the well #2 flowmeter had a cracked backplate (Photos 3 & 4). The Watermaster repaired the flowmeter and later submitted photos recording the output of the well over 10 minutes (Photos 5 & 6). Although well #4 is abandoned (photo 12), it was used for the system during the development period. To determine a reasonable theoretical discharge for the system, a pump discharge was inferred for well #4 based on the documentation available (see section E, well drillers reports, and Photos 14 & 15).

The original groundwater system has been revamped to incorporate a surface water diversion system at Mores Creek (Photos 23-25) and treatment plant (Photos 26-31), which provide the primary water for domestic use within MCRR, with the groundwater to now only used as an emergency backup system. To address any enlargement concerns the Municipal use permit for the surface water system (63-34745) should be conditioned with a combined limit at licensing. Due to the development's location within the Basin 63 Ground Water Restricted Area the water bearing zone of 194 to 600 feet was reported on the permit and should be carried to the license.

Based on field measurements, observations, and Administrative Memo #22, I recommend that the permit is licensed with a maximum rate of 0.10cfs, a maximum annual volume of 7.2 AF, and conditions 070, 071, X04, X60, 930, and 004. Conditions 046 and 26A should be removed at licensing, as per current guidance.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.10 CFS	7.2 AF

Totals: 0.10 CFS 7.2 AF

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 ☒ None

I. AUTHENTICATION

Bob Howe - Water Resource Agent

Field Examiner's Name **BOB HOWE**

Date _____

Reviewer _____

Date 08/08/25

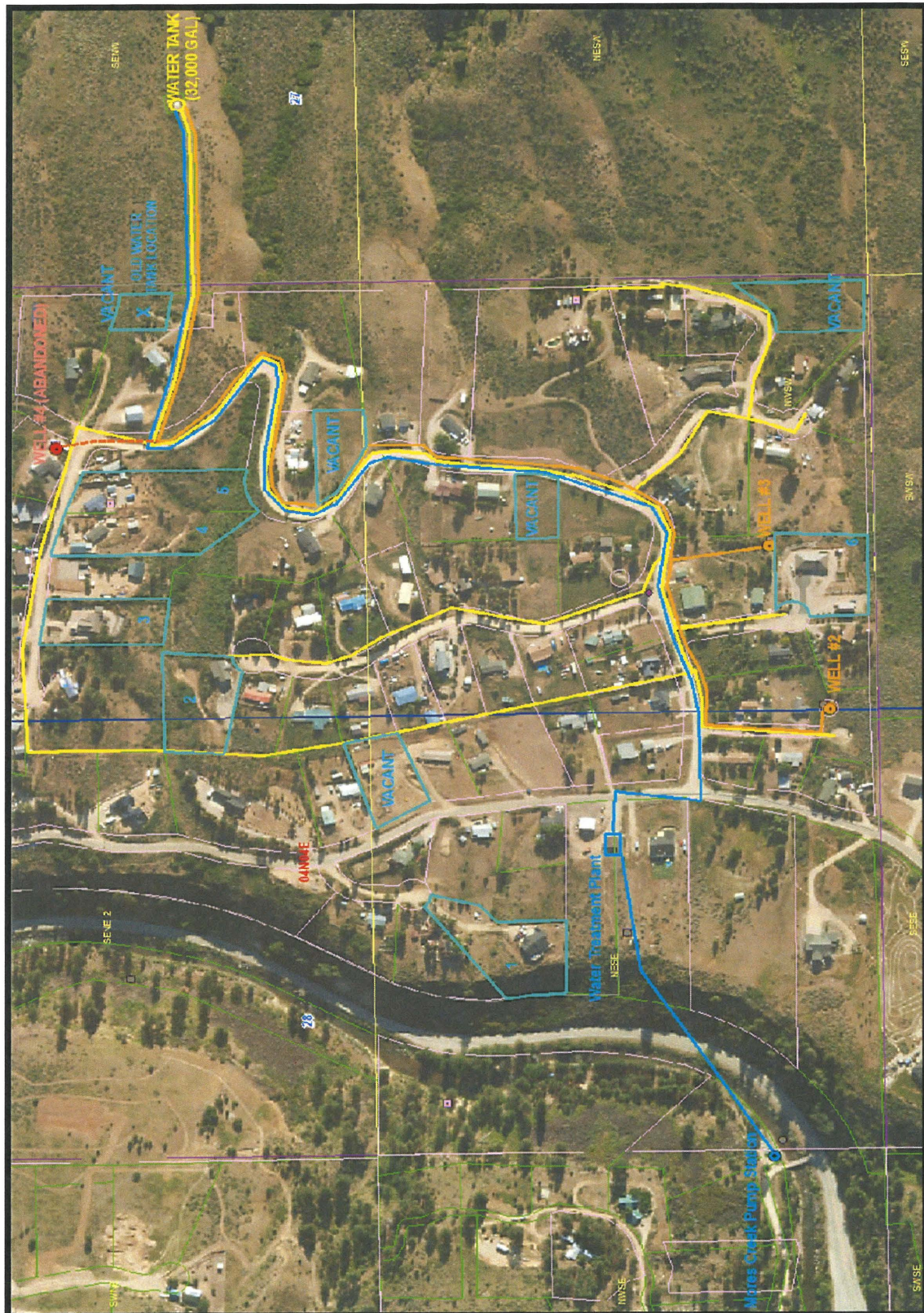


Figure 1-System Diagram- Domestic POU's are labeled #1-6. Blue line is SW to the water tank via a 6" pipe. Orange line is GW to water tank via a 6" pipe. Yellow line is 6" main from tank, which delivers water to 2" dia. service lines.

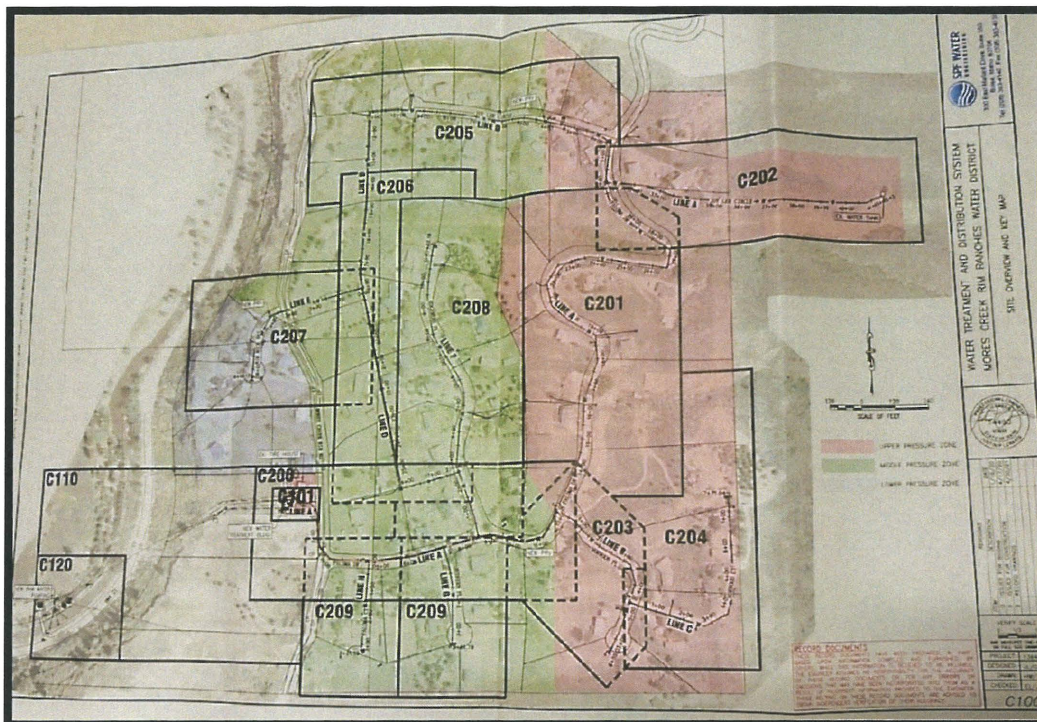


Photo 1- Water Treatment and Distribution System print for Mores Creek Rim Ranches.

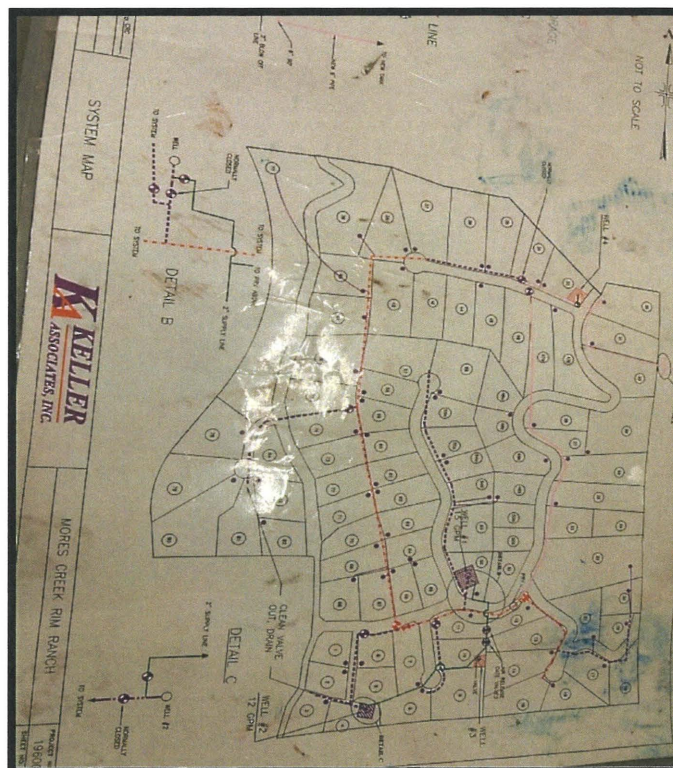
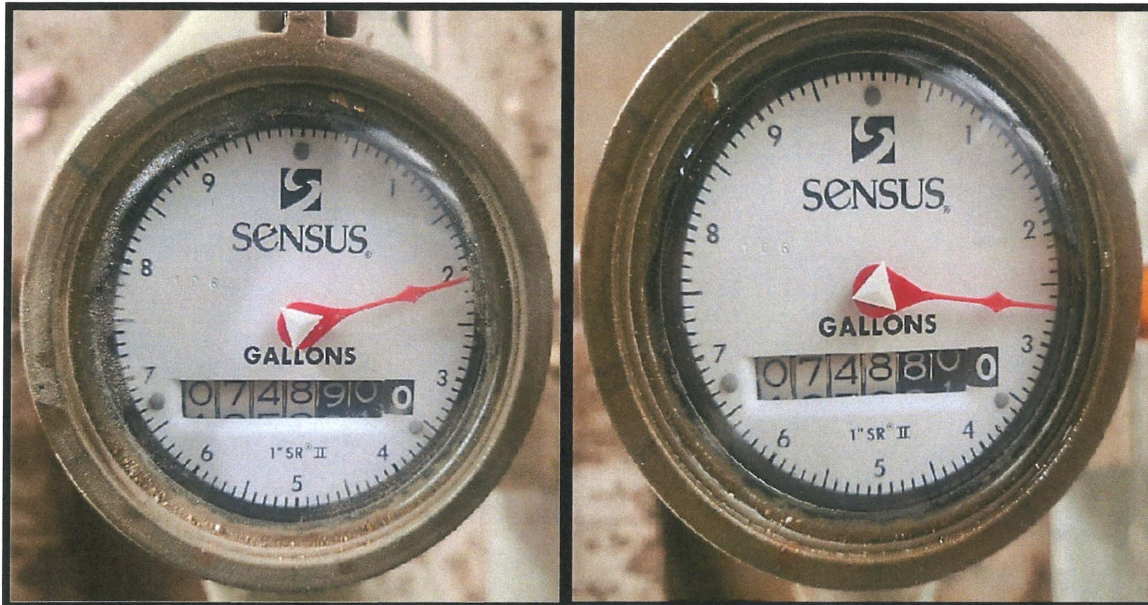


Photo 2- System Map for groundwater. The Watermaster noted that the location of the 6" line to the water tank is incorrect in this print.



Photo 3 (Left)- Well #2 well head in the right of the image. **Photo 4 (Right)-** Inside of the pump house. The flowmeter in the left of the image is reduced from the 1 ¼" galvanized pipe to the 1" connections on the meter.



Photos 5 (Left)-Image of the flowmeter reading at the start of measurement. **Photo 6 (Right)-**Flowmeter reading after 10 minutes total run time.

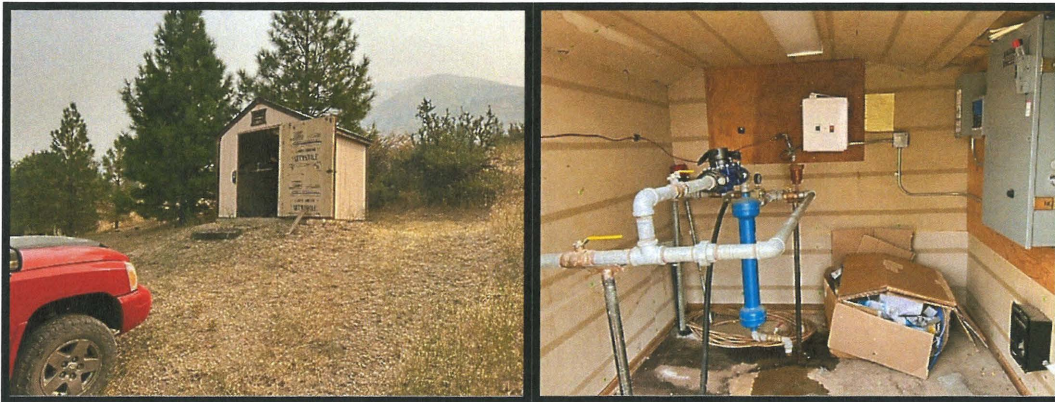


Photo 7 (Left)- Well #3 Facing northeast pump house and well head. Photo 8 (Right)- Inside of the pump house. Controllers and electrical on the right of the room. The flowmeter and sediment trap are in the left center of the image.



Photo 9 (above)- 1 1/4" Galvanized risers with flowmeter and pressure sensors.

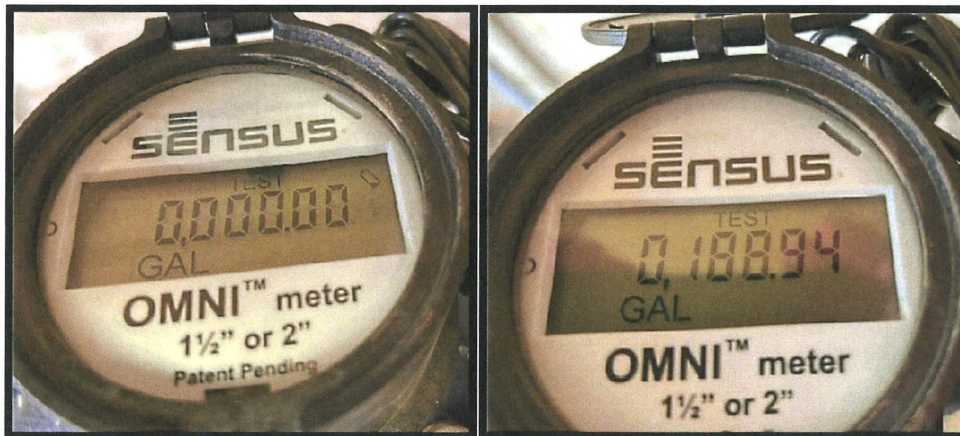


Photo 10 (Left)- Flowmeter at the start of measurement. Photo 11 (Right)- Flowmeter reading shortly after the 10-minute measurement run before the pump was shut off.



Photo 12(above)- Well #4 in the SWNW of section 27. The well has been abandoned due to contaminant levels. The well head has been crushed.



Photo 13 (Left)- The 32,000-gallon water tank northeast of the permitted place of use. **Figure 2 (Right)-** The parcel in the northeast of the POU is the original location of the water storage tank which was later moved to its current location uphill to the east of the POU.

BURGESS PUMP 705 East Main Street
Middleton, ID 83644
PH: (208) 585-6202
EMAIL: service@burgesspump.com • WEB: www.burgesspump.com

INV

BILL TO: Mores Creek Rim Ranch
Kenny Everhart
Boise ID 83706

SHIP TO:

BURGESS WO#	TECH	CUSTOMER PO#	TERMS	PROJECT
17104	BP	KENNY 208-509-0458	DUE ON RECEIPT...	REPLACED MOTO

QTY	DESCRIPTION	RATE	AMOUNT
1	Motor, 4" 5HP 1PH 3W 230V, FE	2,247.00	
168	Pipe, Galvanized 1-1/4"	5.70	
2	Check Valve, 1-1/4" 800I	56.80	
1	Splice Kit for #14, #12, #10 Wire	15.00	
1	Large Relay, 5HP - 25HP	132.00	
1	Capacitor, Start 270-324M 330V	26.00	
2	Capacitor, Run 40 mF 370V	32.00	
1	shop supplies, misc, etc	10.00	
1	SERVICE LABOR - Checked system - found the motor showing a direct short, start cap weak, relay burnt and only one run cap good. Pulled pump - found a 5HP3W Motor w/ 25gpm pump end. Motor was bad and the pump good. Wire is good, pipe & check valves in the water were bad. Replaced the motor, pipe, check valves, and bad components in the Control Box. The pump is running great at this time.	1,000.00	

ENTERED AUG 17 2020

SCANNED

ALL INVOICES ARE DUE PER TERMS ABOVE. PAST DUE INVOICES ARE SUBJECT TO FINANCE CHARGES OF 1.5% PER MONTH AND LITEN FEES.

PLEASE MAKE CHECKS PAYABLE TO:
"BURGESS PUMP AND SUPPLY"
705 E. MAIN STREET • MIDDLETON, ID 83644

BBB

TOTAL \$4
BALANCE \$4

VISA MasterCard

Photo 14- Invoice for pump replacement for Well #2, installed in 2020.

BURGESS PUMP Burgess Pump & Supply, LLC
705 East Main Street
Middleton, ID 83644
PH: (208) 585-6202
EMAIL: service@burgesspump.com • WEB: www.burgesspump.com

INVOICE 13999
12/3/2020

BILL TO: Mores Creek Rim Ranches
Water District
Kenny Everhart
Boise ID 83716

SHIP TO: Off of Red Fern Ct
Boise, ID 83716

BURGESS WO#	TECH	CUSTOMER PO#	TERMS	PROJECT
18240	BP	Kenny 509-0458	DUE ON RECEIPT...	LOW PRESSURE

QTY	DESCRIPTION	RATE	AMOUNT
1	Motor, 4" 5HP 1PH 3W 230V w/ 15 GPM pump end	4,242.00	4,242.00
1	Control Box, 5 HP 230V DLX, FE	610.00	610.00
1	Splice Kit, #5 Wire W/Ground	15.00	15.00
1	misc shop supplies, heavy duty tape, etc	50.00	50.00
1	SERVICE LABOR - Pulled the pump, found a 5HP 15GPM pump & motor set @ 472". Motor shorted out, pump end locked up tight. The pipe and wire are both in good shape. Installed new pump, motor and control box. Pump runs good, 15-16 gpm into the tank.	1,020.00	1,020.00

ENTERED DEC 8 2020

SCANNED

ALL INVOICES ARE DUE PER TERMS ABOVE. PAST DUE INVOICES ARE SUBJECT TO FINANCE CHARGES OF 1.5% PER MONTH AND LITEN FEES.

PLEASE MAKE CHECKS PAYABLE TO:
"BURGESS PUMP AND SUPPLY"
705 E. MAIN STREET • MIDDLETON, ID 83644

BBB

TOTAL \$5,937.00
BALANCE \$5,937.00

VISA MasterCard

Photo 15- Invoice for pump replacement for Well #3, installed in 2020.

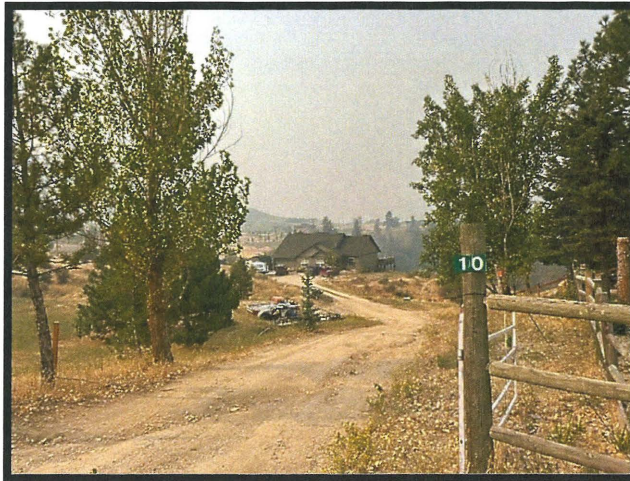


Photo 16- Lot #80, at 10 Rim Rock Way.

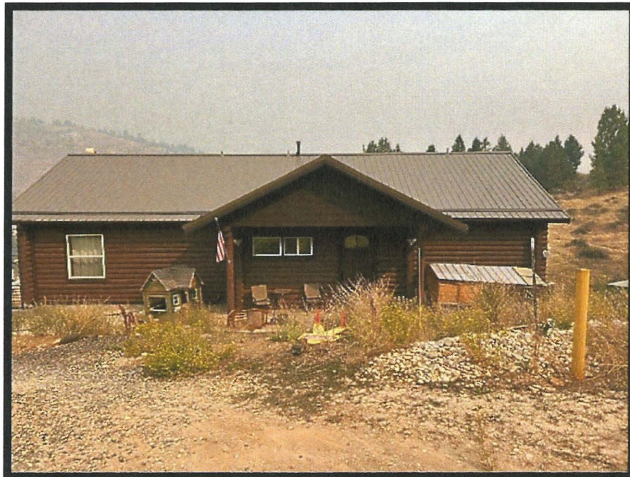


Photo 17- Lot #57, at 22 Edgemere Place.



Photo 18- Lot #44, at 13 Joy Lee Circle.



Photo 19- Lot #46, at 7 Joy Lee Circle.

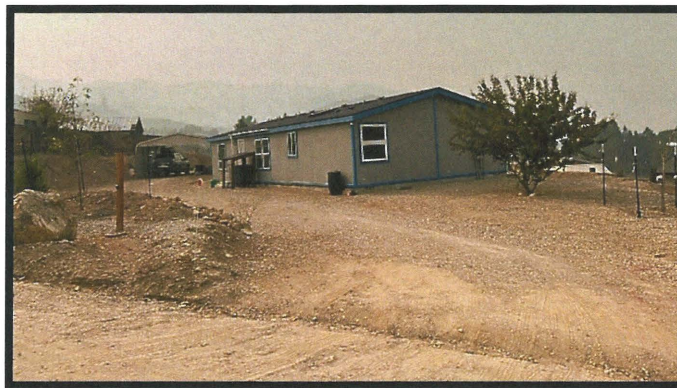


Photo 20- Lot #47, at 5 Joy lee Circle.



Photos 21 & 22- Lot #9, at 9 Red Fern Place.

Mores Creek Surface Water Diversion and MCRR Water Treatment Plant



Photo 23 (Left)- Mores Creek surface water diversion from wet well (GPS Coords: N43°39.102' W115°58.839'. **Photo 24 (Right)-** The water main was bored in from the round vault to the water treatment plant just to the right of the cell tower visible on the ridgeline in the background.

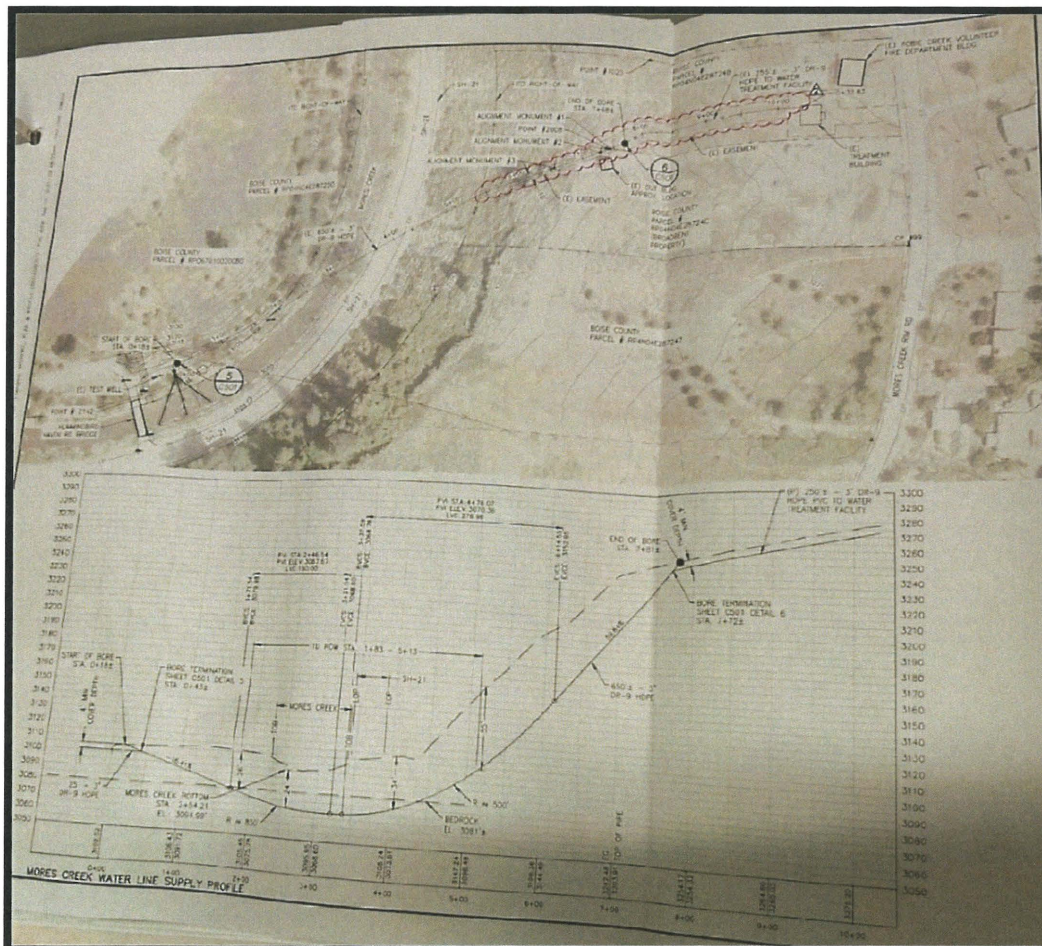


Photo 25- Profile for the water line bored from the Mores Creek pumping station to the MCRR Water Treatment Plant. Due to high contaminant levels in the wells drilled Mores Creek is the primary source of domestic water for MCRR.

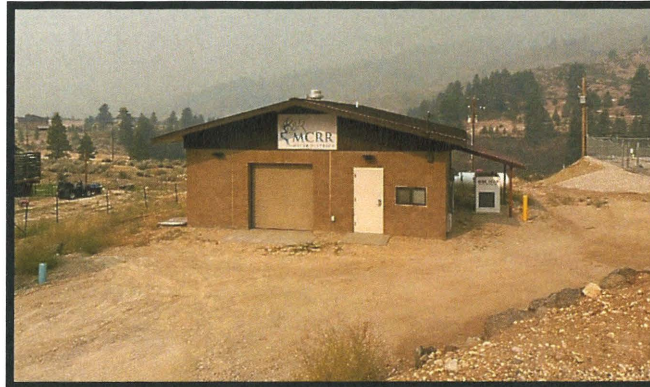


Photo 26- MCRR water treatment plant.

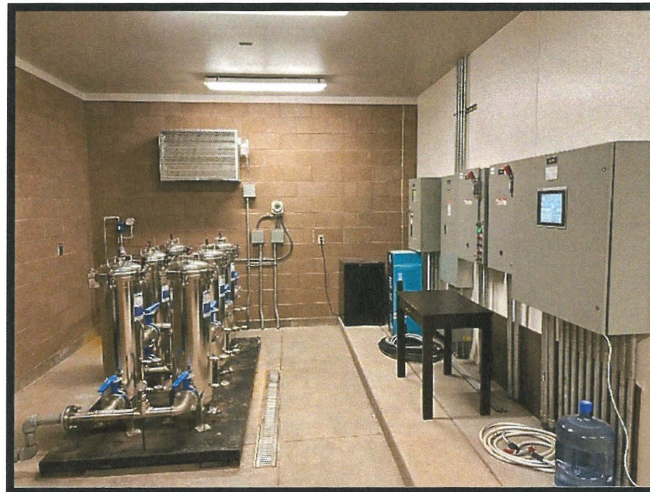
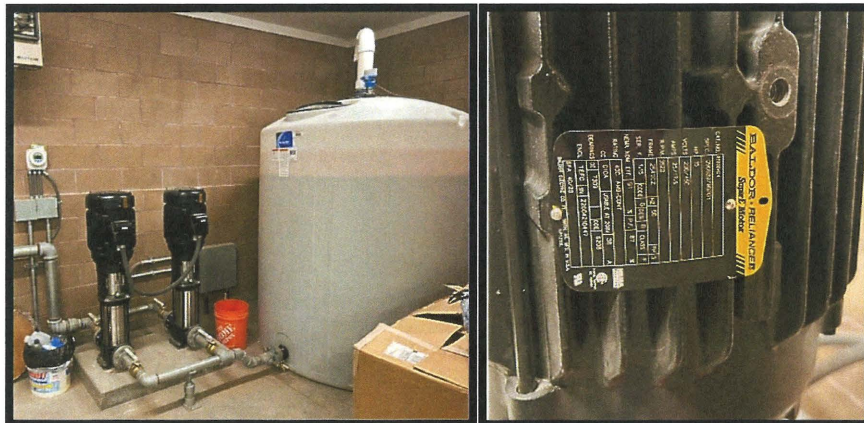


Photo 27- Surface water filtration system in treatment plant.



Photos 28 & 29- Two 15 Hp booster pumps convey surface water through the treatment and filtration system.

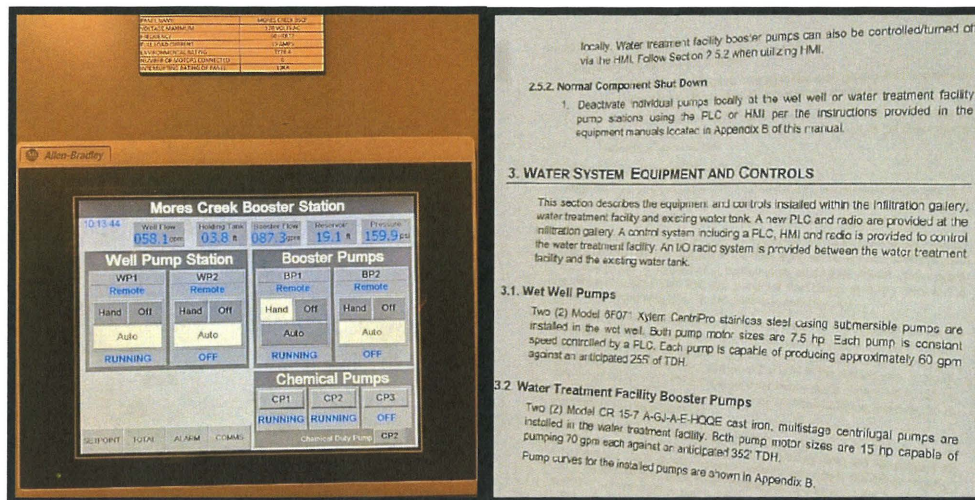


Photo 30 (left)- Controller for the MCRR water treatment plant. **Photo 31 (Right)-** Water treatment plant operational manual. Descriptions of the wet well pumps, booster pumps, and control systems.



Re: Response Requested-Information Previously Requested-Well Measurements Still needed

From bcwsm01@yahoo.com <bcwsm01@yahoo.com>

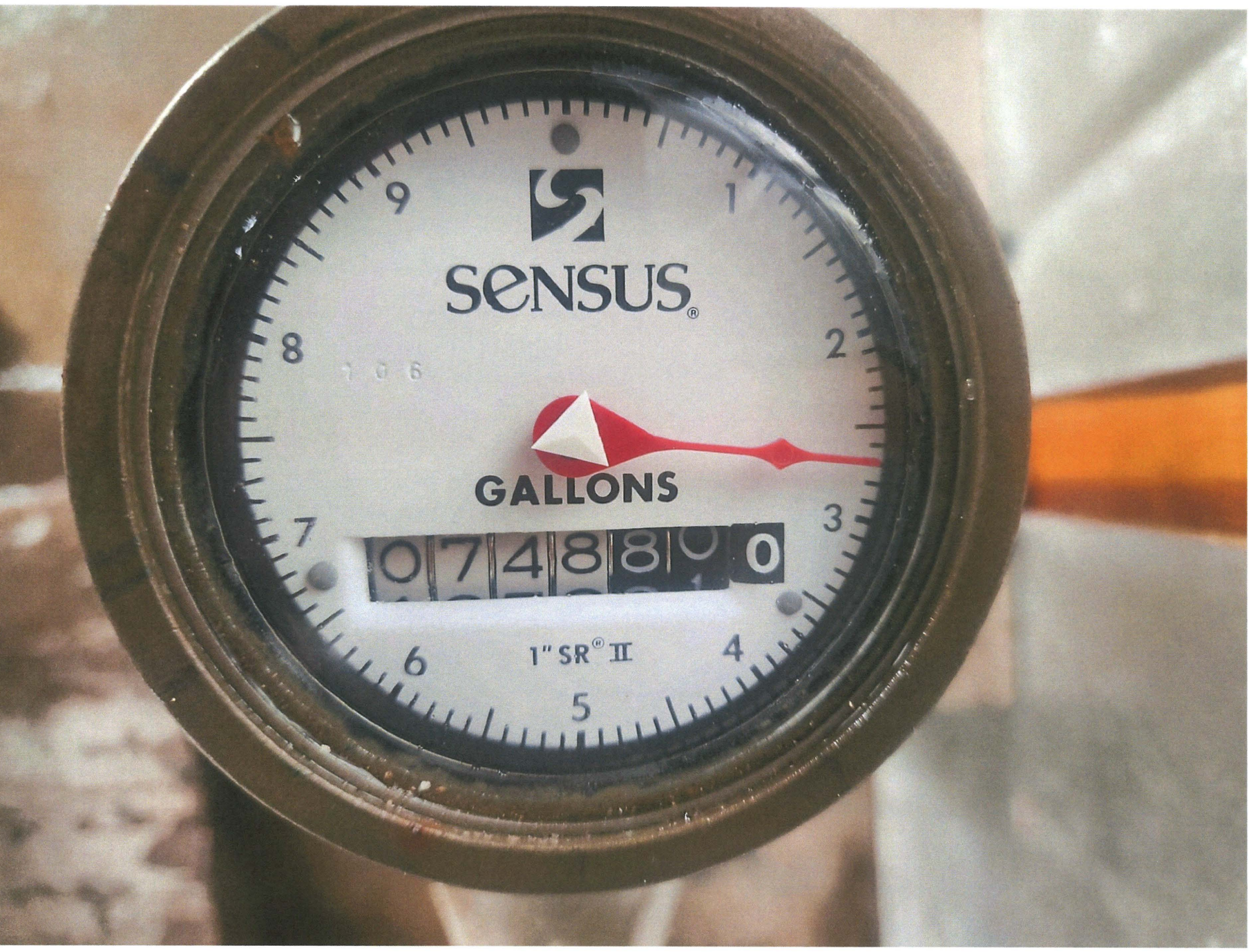
Date Tue 10/22/2024 8:47 PM

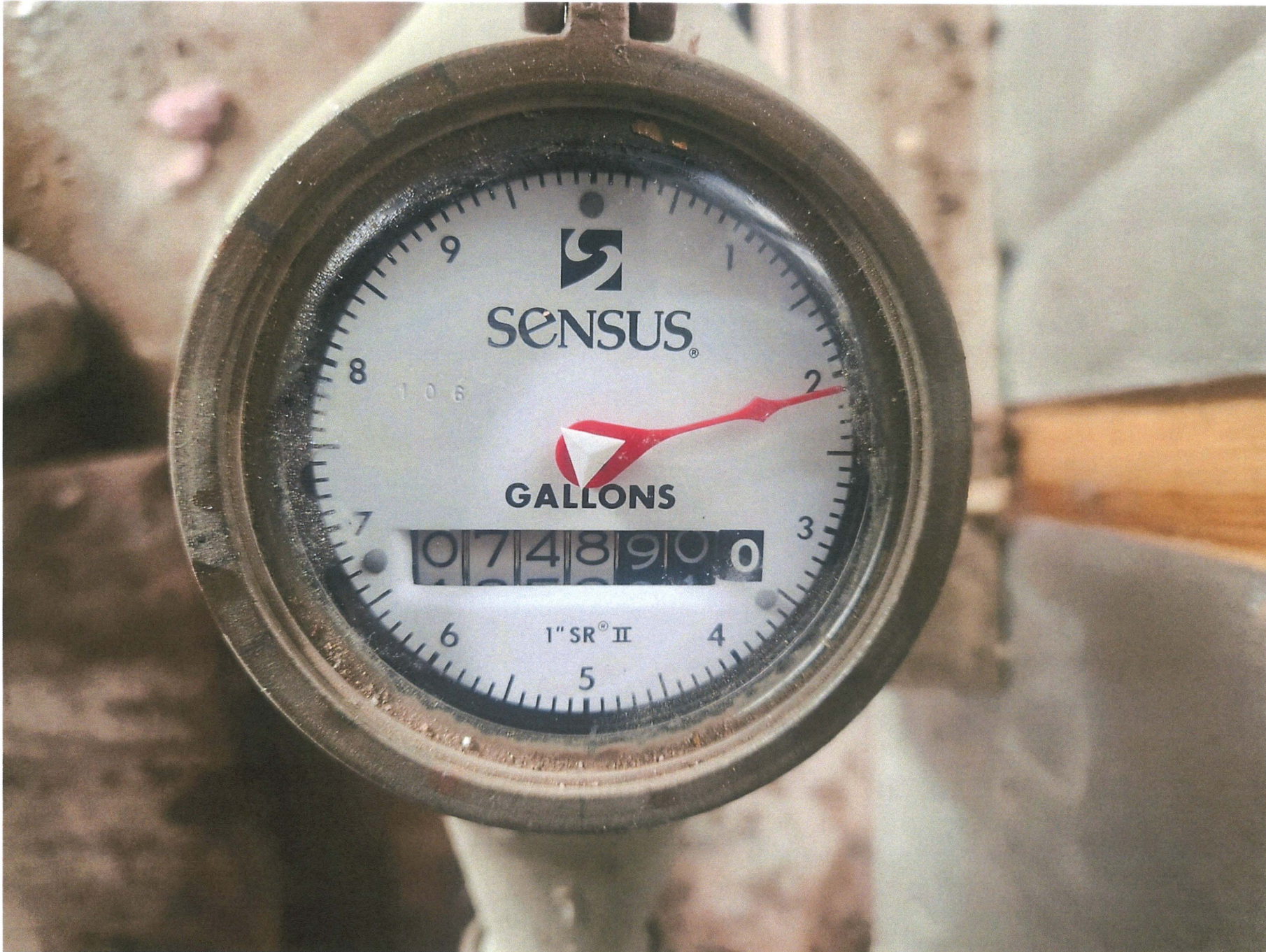
To Howe, Bob <Bob.Howe@idwr.idaho.gov>; Howe, Bob <Bob.Howe@idwr.idaho.gov>

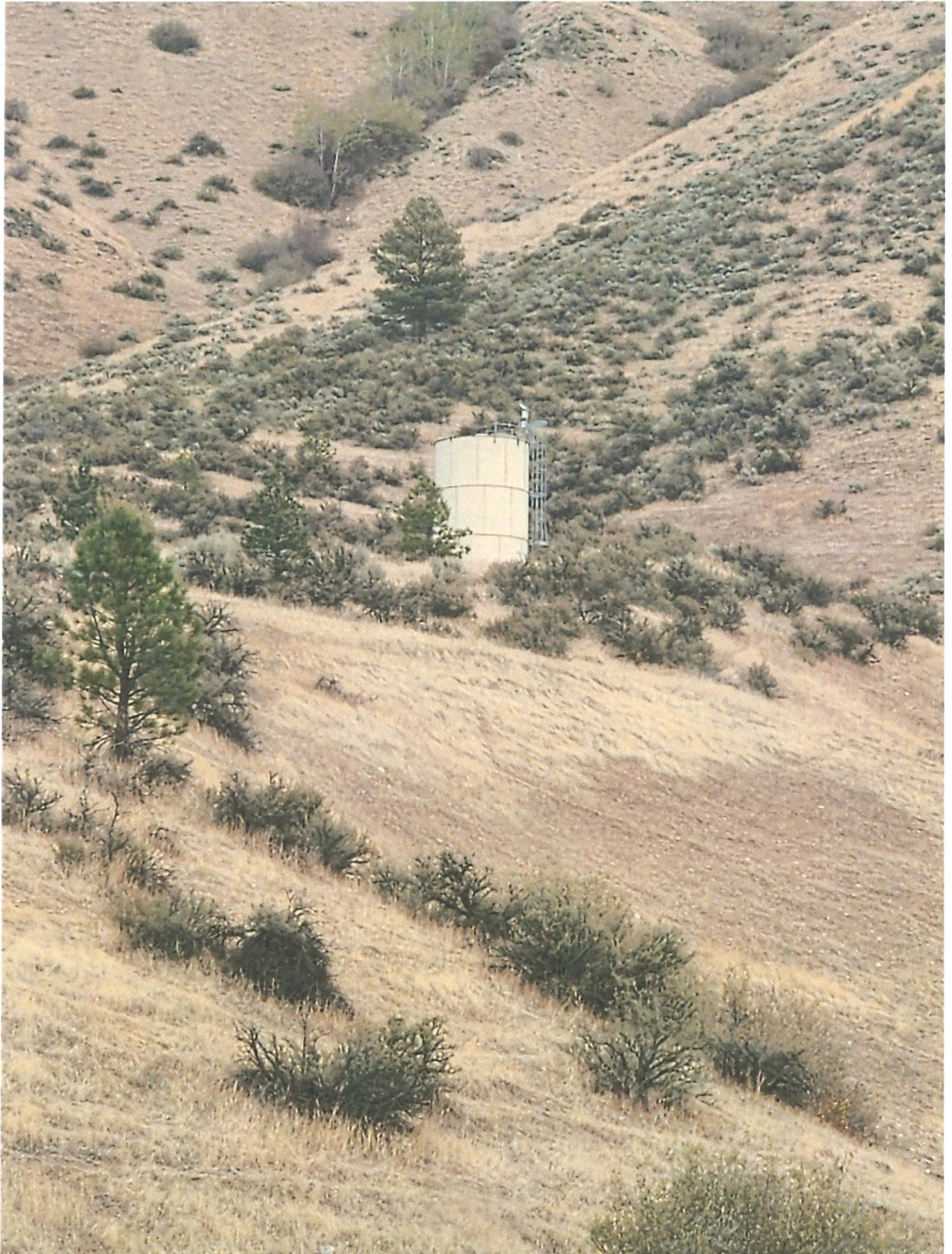
CAUTION: This email originated outside the State of Idaho network. Verify links and attachments **BEFORE** you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Hi Bob

Pictures of the meter and tank are attached. 10 minutes of run time between the meter pictures.







Sent from Yahoo Mail on Android

On Mon, Oct 21, 2024 at 6:20 AM, bcwsm01@yahoo.com
<bcwsm01@yahoo.com> wrote:

Hi Bob

I apologize for the delay in getting you this information, the last couple of weeks have been unusually busy. I should have the information to you by tomorrow.

Kenny

Sent from Yahoo Mail on Android

On Fri, Oct 18, 2024 at 10:18 AM, Howe, Bob
<Bob.Howe@idwr.idaho.gov> wrote:

Hi Kenny,

I just wanted to touch base with you regarding the well measurements you were going to submit for Mores Creek Rim Ranches Water District. I am still awaiting a response from you on my previous email requesting measurements at the well site with the broken flowmeter, once it is repaired.

Can you please provide an update on progress? I will need the second well measurement and any information on the system previously installed at the abandoned well, or the license will not be able to be processed for the full permitted rate.

Thank you for your time and attention in this matter. Feel free to reach out with any questions or concerns.

Regards,

Bob Howe



Bob Howe | Water Resource Agent

2735 W Airport Way, Boise, ID 83705-5082

(208) 334-2190 | www.idwr.idaho.gov

Howe, Bob

From: Howe, Bob
Sent: Tuesday, September 3, 2024 9:17 AM
To: bcwsm01@yahoo.com
Subject: FW: Additional Information Request Well #2 and 4(abandoned)

Hi Kenny,

One more thing. Could you please take a photo of the water tank? The image I took was blurry and obscured by the smoke. It doesn't need to be up close. Just so the tank is clear in the picture. Thank you again for your help.

Regards,

Bob Howe



Bob Howe | Water Resource Agent
2735 W Airport Way, Boise, ID 83705-5082
(208) 334-2190 | www.idwr.idaho.gov

From: Howe, Bob
Sent: Tuesday, September 3, 2024 8:51 AM
To: bcwsm01@yahoo.com
Subject: Additional Information Request Well #2 and 4(abandoned)

Hi Kenny,

Thank you for meeting with me last Friday. As we discussed, could you please send me the measurements for Well #2 once the flowmeter is repaired?

This can be conducted by taking a photo of the flowmeter then starting the pump and a 11 minute timer taking readings at minute 1-11 (ten readings total) and take a photo of the flowmeter after testing. Then send the measurements and photos in response to this email.

Additionally, if you can find any information on the pump and pump set depth that was used in the abandoned well and email it to me that should provide everything needed to process the water right license. Feel free to reach out with any questions or concerns.

Thank you for your time and assistance in this matter.

Regards,

Bob Howe



Bob Howe | Water Resource Agent
2735 W Airport Way, Boise, ID 83705-5082
(208) 334-2190 | www.idwr.idaho.gov



IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little

Director Mathew Weaver

August 12, 2024

MORES CREEK RANCHES WATER DISTRICT
1 PALOMA DR
BOISE, ID 83716-3295

RE: Scheduling Field Exam for Water Right Permit No. 63-34677

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **on the weeks of August 14, 2024 through September 13, 2024**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.10 CFS from Groundwater for Domestic use**. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination. Please note that all conditions of the permit must be met before licensing can occur (see attached Permit Proof Report).**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Ownership Change form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 605-4628 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,



IDAHO DEPARTMENT OF
WATER RESOURCES

Bob Howe | Water Resource Agent

2735 W Airport Way, Boise, ID 83705-5082

(208) 334-2190 | www.idwr.idaho.gov

Enclosures: Relinquishment of Permit form
Change of Ownership form
Water Permit Report and Map