

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34087
Exam Date: 04/15/2021

- Current Owner:
WEST RIVER HOMEOWNERS ASSOCIATION INC C/O GERALD VAN REUSEN
11272 WEST RIO RD CALDWELL ID 83607-4813
- Accompanied by: Gerald Van Reusen & Thomas Krasowski
Phone No: (949)244-9920 / (208)888-3000
Address: 11272 W Rio Rd, Caldwell, ID 83607
Relationship to permit Holder: West River HOA member / Water Operation Consultant

3. SOURCE:
GROUND WATER

Method of Determination: Site visit, well logs

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
63-32003	Groundwater	Domestic, Fire Protection	License
Wilder Irr. Dist. WR's	Multiple	Irrigation	Decree

Comments: Water right 63-23003 is for 5 domestic homes within the place of use, and fire protection within the place of use for this permit. Wilder Irrigation District water rights overlap the place of use but there is no irrigation use for this permit. Wilder Irrigation District provides surface water for lawn irrigation within the subdivision.

- Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
63-32003	Groundwater	Domestic, Fire Protection	License

Comments: 63-32003 shares one well with this permit. This permit covers the additional use not covered under 63-32003.

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

GROUND WATER SW¼ SE¼, Sec. 6, Twp 02N, Rge 03W, B.M. CANYON County
GROUND WATER NW¼ SE¼, Sec. 6, Twp 02N, Rge 03W, B.M. CANYON County

Method of Determination: Well ID #411252 GPS at 43° 31' 57" N, 116° 44' 23" W
Well ID #411253 GPS at 43° 32' 16" N, 116° 44' 25" W

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	
02N	03W	6														X	X		

PLACE OF USE: FIRE PROTECTION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02N	03W	6														X	X		

Method of Determination: Site visit, digital PLSS system, aerial imagery

3.

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

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

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
411252	n/a	10	n/a	Grundfos 40S100	n/a
411253	n/a	15	n/a	Grundfos 40S100	n/a

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
n/a	n/a	n/a	n/a	n/a	n/a	n/a

2. Measurements: No measurements were taken during this exam.

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: Theoretical

Well #1

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}} = \frac{8.8 * .7 * 10}{340 * 2.31 * (68)} = 0.12 \text{ cfs}$$

Well #2

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}} = \frac{8.8 * .7 * 15}{320 * 2.31 * (68)} = 0.19 \text{ cfs}$$

Permit	0.26 cfs
B.U. Fee	\$100 → 0.21 to 1.00
B.U. Standard	0.25 cfs to 0.30 cfs
Theoretical	0.19 cfs + 0.12 cfs = 0.31 cfs

License Recommendation 0.26 cfs
F. VOLUME CALCULATIONS

1. Volume Calculations for Domestic Uses:

Limited to 250 gpd per home: $((10.1 \text{ af} * 325850) / 365 \text{ days}) / 36 \text{ homes} = 250 \text{ gpd/home}$ 31 homes developed: $(250 \text{ gpd/home} * 31 \text{ homes} * 365 \text{ days}) / 325850 = 8.68 \text{ afa} = 8.7 \text{ afa}$ (Department rounding standards)

G. NARRATIVE/REMARKS/COMMENTS

This permit authorizes 0.26 cfs of groundwater for domestic and fire protection purposes and an annual volume of 10.1 af for domestic purposes for 36 homes in the West River Subdivision (Subdivision) in Canyon County. The application for this permit was filed as a result of water right 63-32003, also for the Subdivision, not being fully developed for the 36 homes within the Subdivision at the time of licensing. The application was protested by the Boise Project Board of Control because of concerns that the development of the application would adversely affect senior water rights in Lake Lowell. The Subdivision agreed to limit this permit and water right 63-32003 to 10.1 afa in order to resolve the protest. Proof of beneficial use was received by the Department on Feb. 26, 2021. A field exam was conducted by WRA Tyler Smith and was accompanied by Gerald Van Reusen, West River Home Owners Association President, and Thomas Krasowski, lead operator for IES Waterworks.

Groundwater is diverted via two 8" cased wells, ID #'s 411252 and 411253. The Subdivision refers to well #411252 as well #1 and well #411253 as well #2. Both wells contain Grundfos 40S100 pumps, but well #1 has a 10 hp motor and well #2 has a 15 hp motor. Water is diverted from both wells to three 119 gal pressure tanks via 4" PVC, and from the pressure tanks to the 36 houses via 6" PVC pipes. Theoretical rates for wells 1 & 2 are 0.12 cfs and 0.19 cfs respectively. Mr. Krasowski noted that the Subdivision rotates which well is the primary well every 30 days, but both wells are capable of providing water to the system at the same time. Therefore, the system capacity is 0.31 cfs. The permit authorized a maximum diversion rate of 0.26 cfs, and is the limiting factor, so 0.26 cfs is the rate recommended for licensing.

Overlapping water right 63-32003 is also diverted from well #2, and authorizes a diversion rate of 0.05 cfs. When combined the two rights would authorize 0.31 cfs. This is equal to the capacity of the system, therefore no combined limit is required for the diversion rate.

The domestic use of the permit is for 36 homes. During the exam, there were 20 homes that were observed either fully built or in the process of being built, and all lots that did not have homes were stubbed in and therefore all 36 lots are considered developed according to Admin. Licensing Memo no 1. Of the 36 lots, 5 homes (Lot 1, Blk. 2; Lots 5-7, Blk. 2; and Lot 14, Blk. 2) were developed prior to the permitted development period and are already authorized under overlapping water right 63-32003. Accordingly, only 31 homes were developed under permit 63-34087. The domestic use is for in-home use only and does not include irrigation. Gerald confirmed that irrigation for each lot is provided by Wilder Irrigation District surface water rights.

As mentioned, this permit was limited to 10.1 afa when combined with 63-32003 as a result of a protest by Boise Project Board of Control. This is equal to 250 gpd per home as shown in the calculations above. Since only 31 homes were developed under this permit, 8.7 is the additional beneficial use developed. The maximum volume when combined with the 1.4 afa authorized under 63-32003 is 10.1 afa, so there is no need for a combined maximum volume limit.

The fire protection use for the permit is provided via groundwater from the two wells. The two wells fill two fire protection storage tanks located on Lot 1, Blk 2 and Lot 12, Blk 2. The tanks are estimated between three to six thousand gallons each, and provide facilities for emergency fire personnel to easily access water in the case of an active fire. According to IDAPA 37.03.02.035.j.iv, no storage component is needed for fire protection.

Conditions X59 and X60 should be carried to the license, but X60 should be modified to exclude the 5 lots already authorized under water right 63-32003. Condition WB5 should be updated to authorize 31 homes, instead of 36. Other conditions that are not typically carried forward to licensing should be dropped.

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	0.26 CFS	8.7 AF
FIRE PROTECTION	01/01 to 12/31	0.26 CFS	

Totals: 0.26 CFS 8.7 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

Tyler Smith - Water Resource Agent

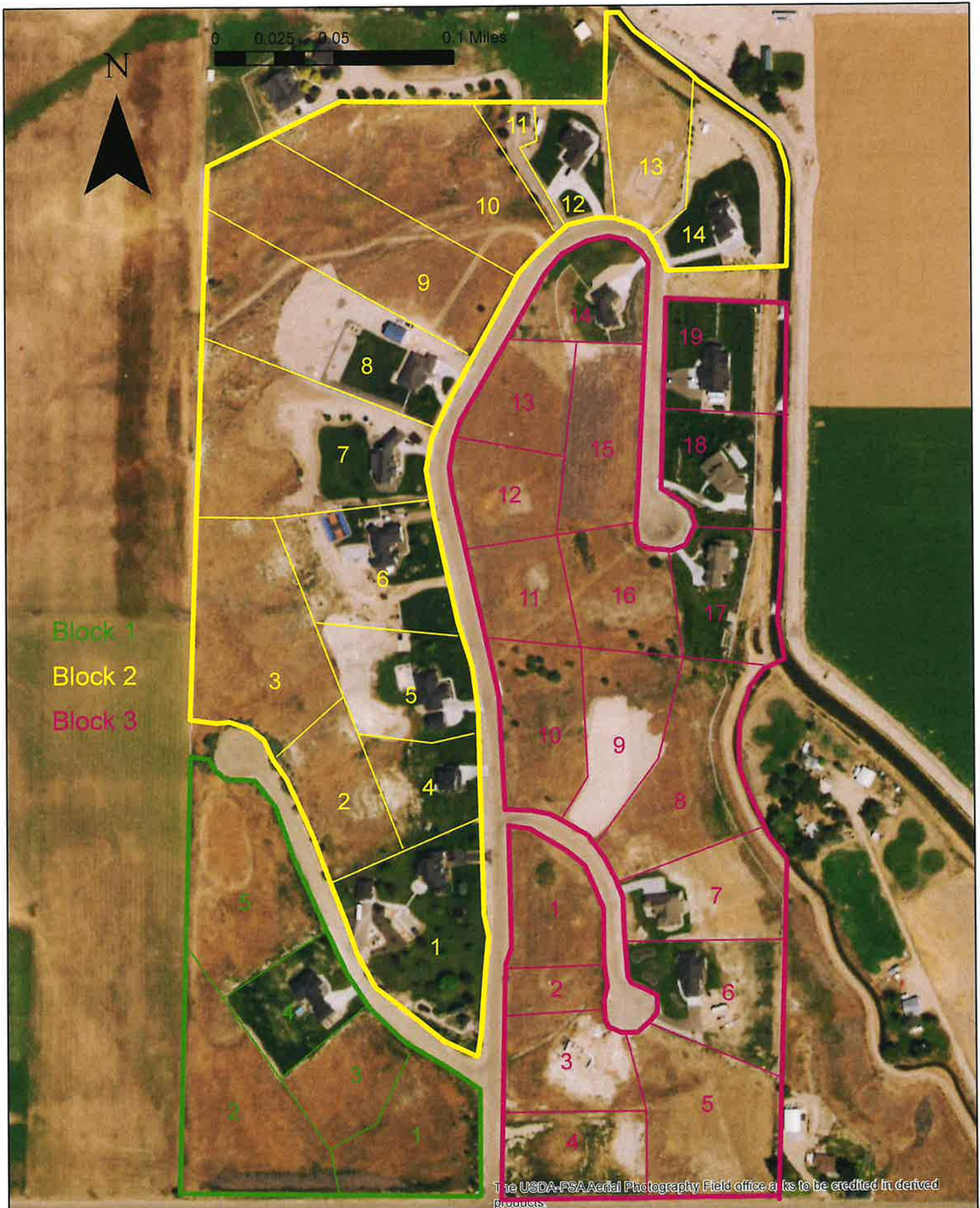
Field Examiner's Name  Date 8/23/21

Reviewer  Date 10/20/21

63-34087 Delivery System Diagram



63-34087 West River Subdivision Lots



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 63-34087
 Reviewer: Tyler Smith
 Date of Review: 8/19/2021

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	10	10	10
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	340	340	340
DISCHARGE PRESSURE	65	68	70
RATE OF FLOW (cfs)	0.13	0.12	0.12 0.12

The above calculates the formula =
$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

Well #1. Treasure Valley Pump reports a 10 hp pump. Pump is set at 340 ft below surface level. A range of discharge pressures were used base on observed system pressures (65-70 psi). Theoretical average flow rate is 0.12 cfs.

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 63-34087
 Reviewer: Tyler Smith
 Date of Review: 8/19/2021

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	15	15	15
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	320	320	320
DISCHARGE PRESSURE	65	68	70
RATE OF FLOW (cfs)	0.20	0.19	0.19 0.19

The above calculates the formula = $Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$ =

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

Well #2. Treasure Valley Pump reports a 15 hp pump. Pump is set at 320 ft below surface level. A range of discharge pressures were used base on observed system pressures (65-70 psi). Theoretical average flow rate is 0.19 cfs.

Treasure Valley Pump, L

11487 St. HWY 78

Melba, ID 83641

Quote

Date	Quote #
6/12/2015	151P

Name / Address
Cathy Cooper

Rep		Project	
Description		Qty	Total
Cathy, The following is a revised (again) estimate for the #1 Option you asked for. LABOR We will remove the existing pump from well # 2 (They can keep the pump unless they want me to haul it away) We will set the 40S100 Grundfos pump at 320ft. (The original pump set was stated to be at 280 ft. The new set you are asking for will require 2 more joints of pipe and two more couplers than we have been adding since '07) We will bury the wire from the well head to the pump house in conduit and hook it up to the ABB drive in the well house, it will be in compliance. We will install the transducer for the Drive and program it to specs. Option 2 is being quoted to me now and I will have it to you as soon as I receive the quotes. Hopefully by tonight or tomorrow at the latest. I understand the HOA is soliciting other bids. I still need paid for my materials that are in the pump house or I need them to let me in so I can retrieve the materials. They are mine, I have never been paid for them. Grundfos 40S100 pump w/ 10 hp 230 v x 3Ph motor. (Priced from 2007) 340 ft. of # 8-3 w/grd Sub Wire 46 amp ABB VFD drive w/Transducer (Priced from 2007) 280 ft of 2" Sch 80 PVC Cert-a-Loc Drop Pipe (Priced from 2007) Cert-a-Loc Couplers, Stainless Steel Check valves, Stainless Steel adaptors and splines. (\$181.86 Ea. Joint complete w/ couplers and stainless parts) Additional 40 ft. of 2" Sch 80 PVC Cert-a-Loc complete required to set pump deeper (\$157.00 Ea. Joint complete for pipe and couplers w/ splines, no stainless required here. Misc. Items such as conduit and fittings to complete the hookup up at the North pump house.			
		Total	

Fax #

208-495-9854

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

840971

411252

Office Use Only

Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

1. WELL TAG NO. D 0046989

DRILLING PERMIT NO. 895588-840971

Other IDWR No. 63-32003

2. OWNER:

Name Sherfire Properties / Jim Shervic Well #1

Address 984 W. Corporate Lane, Suite 201

City Nampa State ID Zip 83651

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

North ☒ or South ☐
East ☐ or West ☒
Twp. 2 Rge. 3 Sec. 6
SE 1/4 SW 1/4 SE 1/4
Gov't Lot _____ County Canyon
Lat _____ Long _____

Address of Well Site Locust Lane - 3/8 mi W

of Cool Rd

(Give at least name of road - Distance to Road or Landmark)

City Caldwell

Lt 2 Blk 3 Sub. Name West River

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other Public Water Supply

5. TYPE OF WORK: check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☒ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack	AMOUNT	METHOD
Material From To Sacks or Pounds		
Bentonite Grout 0 260' 12 Yds		Tremmie
10/20 Filter 330'		
Sand 335' 2 Yds		Poured

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8"	+3	295'	.322	Steel	☒	☐	☒	☐

Length of Headpipe _____

Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☒ Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
295'	325'	.020		8"	SS	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

178' ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Cap

11. WELL TESTS:

☒ Pump	☐ Bailer	☐ Air	☐ Flowing Artesian
Yield gal./min.	Drawdown	Pumping Level	Time
136 gpm	43'	204'	6 Hrs.

Water Temp. _____

Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter 208'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
				Y N
14"	0	4'	Top Soil	
14"	4'	38'	Shily Clay & Sand Seams	
14"	38'	85'	Gravel	
14"	85'	153'	Tan Clay	
14"	153'	169'	Sand	X
14"	169'	180'	Sand & Clay	X
14"	180'	189'	Tan Sand	X
14"	189'	195'	Tan Clay	
14"	195'	270'	Blue Clay	
14"	270'	340'	Blue Clay w/ Sand Seams	X
8"	340'	370'	Gray Clay	
8"	370'	420'	Gray Sand & Clay	X
8"	420'	900'	Gay Clay	

RECEIVED

MAR 26 2007

WATER RESOURCES
WESTERN REGION

Completed Depth 900'

(Measurable)

Date: Started 10/26/2006

Completed 12/6/2006

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Treasure Valley Drilling

Firm No. 560

Firm Official _____

and _____

Driller or Operator _____

Date 2/22/2007

: 2/22/2007

George Post

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

840972

411253

Office Use Only

Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat: _____ Long: _____

1. WELL TAG NO. D 00046990

DRILLING PERMIT NO. 895589-840972

Other IDWR No. 63-32003

2. OWNER:

Name Sherfire Properties / Jim Shervik well #2

Address 984 W. Corporate Lane, Suite 201

City Nampa State ID Zip 83651

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

North ☒ or South ☐
East ☐ or West ☒
Twp. 2 Rge. 3 Sec. 6
Gov't Lot _____ 10 acres NW 1/4 SE 1/4
County Canyon Long: _____
Address of Well Site Locust Lane - 3/8 mi.

W. of Cool Rd City Caldwell

LL 10 Blk. 2 Sub. Name West River

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other Public Water Supply

5. TYPE OF WORK: check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☒ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack	AMOUNT	METHOD
Material From To	Sacks or Pounds	
Bentonite 0 218'	70 Sacks	Overbore
Grout 218' 340'	310 Gals	Overbore
10/20 Sand 340' 420'	2 Yds.	Poured

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8"	+3'	380'	.322	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☒ Screens Screen Type Johnson

From	To	Sit Size	Number	Diameter	Material	Casing	Liner
380'	420'	.020		8"	SS	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

200 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Cap

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
50+ gpm			

Water Temp _____

Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Water
14"	0	4'	Top Soil	
14"	4'	35'	Shily Clay & Sand Seams	
14"	35'	90'	Gravel	
14"	90'	150'	Tan Clay	
14"	150'	220'	Tan Clay & Sand Seams	
14"	220'	280'	Blue Clay	
14"	280'	330'	Blue Clay & Sand Seams	X
14"	330'	380'	Blue Clay	
14"	380'	420'	Gray Sand	X

RECEIVED

MAR 26 2007

WATER RESOURCES
WESTERN REGION

Completed Depth 420'

(Measurable)

Date: Started 2/2/2007

Completed 2/13/2007

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Treasure Valley Drilling

Firm No. 560

Firm Official _____

Date 2/21/2007

and
Driller or Operator _____

ie 2/21/2007

George Post

FORWARD WHITE COPY TO WATER RESO!

63-34087

Point of Diversion Comparison

State of Idaho
Department of Water Resources
Beneficial Use Field Exam

Water right no. 63-34087

BasinSequence	Owner	Source	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
63-16086	BLEW, DAVID L; BLEW, MARJORIE L	GROUND WATER			X													
63-19104	KRONENBERG, JEFFREY	GROUND WATER			X													
63-20	ANDERS, EDITH G; ANDERS, WILLIAM C	GROUND WATER		X	X		X											
63-20326	SHILEY, DONNA M	GROUND WATER														X		
63-23156	ADAMSON, CAROL J; ADAMSON, MELVIN E	GROUND WATER			X													
63-23179	ANDERS, WILLIAM C	GROUND WATER			X													
63-23470	MITCHELL, KENNETH E; MITCHELL, PATRICIA E	GROUND WATER			X													
63-25854	BULGIN, MARIE	GROUND WATER												X				
63-25891	KNIGGE, JOLEEN; KNIGGE, RANDY; PIXLER, SHIRLEY A; PIXLER, J	GROUND WATER			X													
63-26173	CAFFERO, JEANETTE M; CAFFERO, RONALD L; FINLEY, DENISE; L	GROUND WATER					X											
63-26290	BUFFHAM, JAMES R; BUFFHAM, MELANIE L; WOOD, JEFFREY K	GROUND WATER					X											
63-26344	SASAKI, MICHAEL D	GROUND WATER							X									
63-26653	SLOAN, LAURA; SLOAN, LAWRENCE R; SMARTT, MIKE D	GROUND WATER							X									
63-26667	WALKER, GEORGE M; WALKER, WANDA M	GROUND WATER						X										
63-26668	WALKER, GEORGE M; WALKER, WANDA M	GROUND WATER						X										
63-27299	LOOMIS, SUE; MINKOFF, JON	GROUND WATER								X								
63-27330	KIRTLEY, MARY JANE; KIRTLEY, RONALD D; LEE, IRA RUSSELL; L	GROUND WATER								X								
63-27687	DOSER, LARRY; DOSER, LINDA; HOCHSTETTER, BEV; HOCHSTET	GROUND WATER					X											
63-27737	DE COUX, CLAIRE; DE COUX, LARRY	GROUND WATER					X											
63-27888	MICHAELSON, JANET; MICHAELSON, SCOTT	GROUND WATER							X									
63-28051	PILCHER, ARKELL; PILCHER, SHIRLEY L	GROUND WATER								X								
63-29026	WALKER, GHATHER; WALKER, IVA L	GROUND WATER	X															
63-31066	FLOYD L & CAROL J HAINES FAMILY TRUST	GROUND WATER							X									
63-32003	SHERFIRE PROPERTIES; WEST RIVER HOMEOWNERS ASSOCIAT	GROUND WATER														X		
63-34087	SPF WATER ENGINEERING LLC; WEST RIVER HOMEOWNERS AS	GROUND WATER														X	X	
63-9939	NAFSINGER FARMS INC; WEITZ, JOSEPH R; WESTERN FARMS	GROUND WATER				X												

= this right

= overlapping right

Place of Use Comparison

State of Idaho
Department of Water Resources
Beneficial Use Field Exam

Water right no. 63-34087

BasinSequence	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
63-136	BARKER RSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-137B	BARKER RSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-16086	BLEW, DAVID L; BLEW, MARJORIE L	GROUND WATER	DOMESTIC			X													
63-19104	KRONENBERG, JEFFREY	GROUND WATER	DOMESTIC			X													
63-200A	BARKER RSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-20326	SHILEY, DONNA M	GROUND WATER	DOMESTIC														X		
63-20326	SHILEY, DONNA M	GROUND WATER	STOCKWATER														X		
63-2106	UNITED STATES OF AMERICA ACTING THROUGH	FIVEMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-23156	ADAMSON, CAROL J; ADAMSON, MELVIN E	GROUND WATER	DOMESTIC			X													
63-23156	ADAMSON, CAROL J; ADAMSON, MELVIN E	GROUND WATER	STOCKWATER			X													
63-23179	ANDERS, WILLIAM C	GROUND WATER	DOMESTIC			X													
63-23179	ANDERS, WILLIAM C	GROUND WATER	STOCKWATER			X													
63-233K	AMERICAN DITCH CO; BARKER RSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-23470	MITCHELL, KENNETH E; MITCHELL, PATRICIA E	GROUND WATER	DOMESTIC			X													
63-23470	MITCHELL, KENNETH E; MITCHELL, PATRICIA E	GROUND WATER	STOCKWATER			X													
63-2388A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-2392F	BOISE PROJECT BOARD OF CONTROL	WASTE WATER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-251A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-25854	BULGIN, MARIE	GROUND WATER	DOMESTIC												X				
63-25854	BULGIN, MARIE	GROUND WATER	STOCKWATER												X				
63-25891	KNIGGE, JOLEEN; KNIGGE, RANDY; PIXLER, SHIRLEY A; PIXLER, WILLIAM C	GROUND WATER	DOMESTIC			X													
63-26173	CAFFERO, JEANETTE M; CAFFERO, RONALD L; FINLEY, DENISE; FINLEY, ST	GROUND WATER	DOMESTIC					X											
63-26290	BUFFHAM, JAMES R; BUFFHAM, MELANIE L; WOOD, JEFFREY K; WOOD, J	GROUND WATER	DOMESTIC					X											
63-26344	SASAKI, MICHAEL D	GROUND WATER	DOMESTIC							X									
63-26653	SLOAN, LAURA; SLOAN, LAWRENCE R; SMARTT, MIKE D	GROUND WATER	DOMESTIC							X									
63-26667	WALKER, GEORGE M; WALKER, WANDA M	GROUND WATER	DOMESTIC						X										
63-26668	WALKER, GEORGE M; WALKER, WANDA M	GROUND WATER	DOMESTIC						X										
63-27299	LOOMIS, SUE; MINKOFF, JON	GROUND WATER	DOMESTIC								X								
63-27330	KIRTLEY, MARY JANE; KIRTLEY, RONALD D; LEE, IRA RUSSELL; LEE, JEANN	GROUND WATER	DOMESTIC								X								
63-27687	DOSER, LARRY; DOSER, LINDA; HOCHSTETTER, BEV; HOCHSTETTER, HARV	GROUND WATER	DOMESTIC					X											
63-27737	DE COUX, CLAIRE; DE COUX, LARRY	GROUND WATER	DOMESTIC					X											
63-27888	MICHAELSON, JANET; MICHAELSON, SCOTT	GROUND WATER	DOMESTIC							X									
63-28051	PILCHER, ARKELL; PILCHER, SHIRLEY L	GROUND WATER	DOMESTIC								X								
63-29026	WALKER, GHATHER; WALKER, IVA L	GROUND WATER	DOMESTIC	X															
63-301A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-302A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-31066	FLOYD L & CAROL J HAINES FAMILY TRUST	GROUND WATER	DOMESTIC							X									
63-32003	SHERFIRE PROPERTIES; WEST RIVER HOMEOWNERS ASSOCIATION INC; V	GROUND WATER	DOMESTIC														X	X	
63-32003	SHERFIRE PROPERTIES; WEST RIVER HOMEOWNERS ASSOCIATION INC; V	GROUND WATER	FIRE PROTECTION														X	X	
63-33251	BOISE PROJECT BOARD OF CONTROL	INDIAN CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-33253	BOISE PROJECT BOARD OF CONTROL	TENMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63-34087	SPF WATER ENGINEERING LLC; WEST RIVER HOMEOWNERS ASSOCIATIO	GROUND WATER	DOMESTIC														X	X	
63-34087	SPF WATER ENGINEERING LLC; WEST RIVER HOMEOWNERS ASSOCIATIO	GROUND WATER	FIRE PROTECTION														X	X	
63-373A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

= this right

= overlapping right, same use

= overlapping right, different use



Fig. 1 – Well with no drilling tag visible but identified as D0046990. Known by the HOA as well #2. GPS:

43° 32' 16" N

116° 44' 25" W

Well located in Lot 11, Block 2.



Fig. 2 – Well tag ID #D0046989, known by the HOA as well #1. GPS:

43° 31' 57" N

116° 44' 23" W

Well located in Lot 2, Block 3.



Fig. 3 – Well drilling tag for D0046989.



Fig. 4 – View inside of pump house. Line in foreground is from “well 1” and line in background is from “well 2”. Both lines pass through inline measuring devices before heading to the storage tanks.



Fig. 5 – Siemens Sitrans F M Magflo MAG5000 installed inline from “Well 1”.



Fig. 6 – Specifications for Siemens inline device:

Serial #: 7ME651
 773114T297

Size DN: 50

P max/min psi: 275/145

T max/min °F: 158/23



Fig. 7 – McCrometer flow meter installed inline from "Well 2".

Serial #: 07-10641-02



Fig. 8 – Both inline flow meters were not actively measuring flow as pumps are VFD and are activated by float switches within the holding tanks.

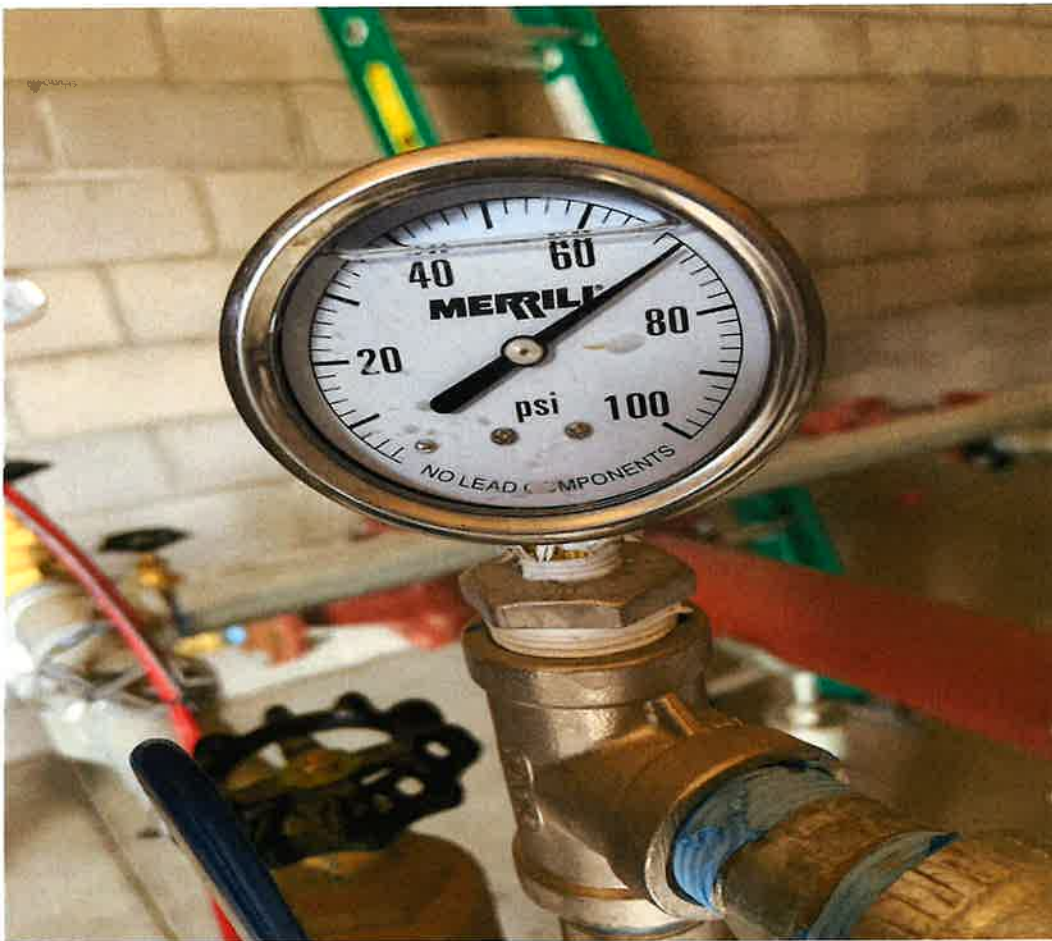


Fig. 9 – Permit holders noted that both wells operate at psi ranges of 65-70, as was observed during the field exam.



Fig. 10 – Well lines feed into three Amtrol Well-X-Trol WX-350, 119 gallon water pressure tanks. Water is held in the tanks to take pressure off of well pumps during peak demand.

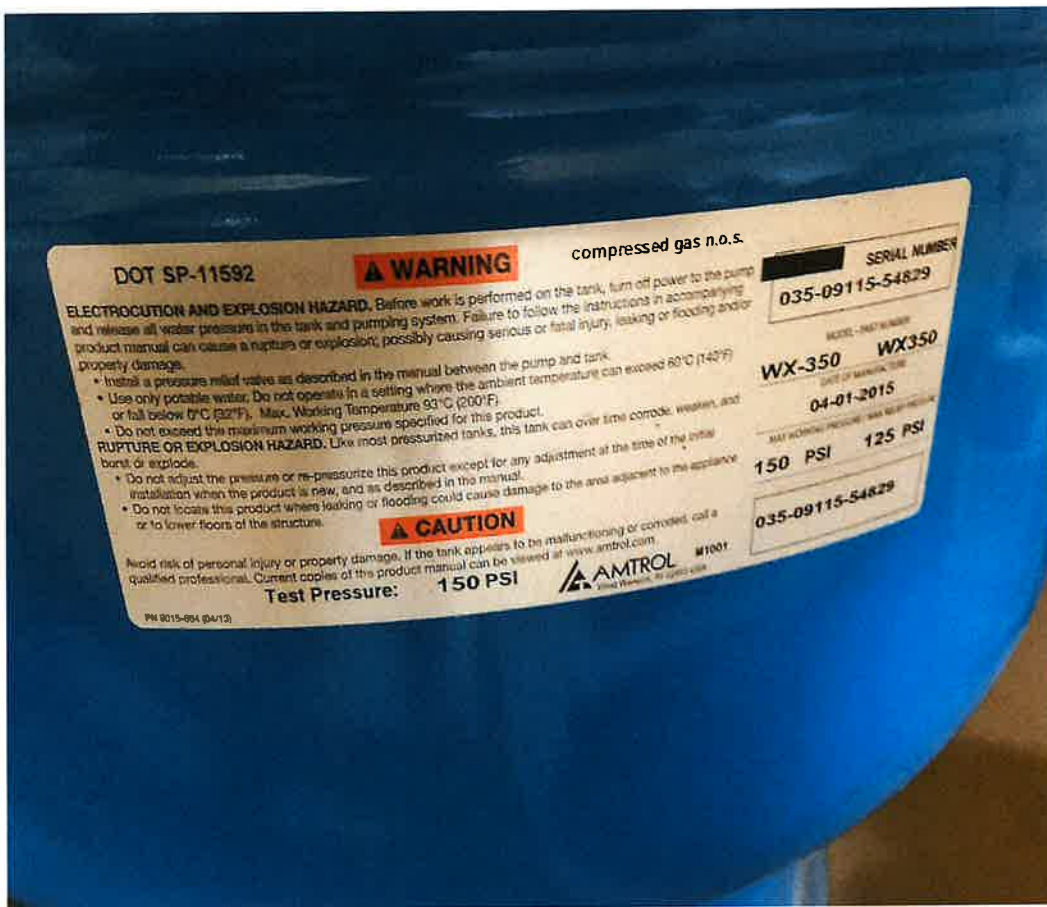


Fig. 11 – Amtrol water pressure tank specifications:

Serial #: 035-09115-54829

Model: WX-350



Fig. 12 – Access point for 4" PVC line coming from "Well 1" going to the pump house.



Fig. 13 – Control panel for “Well 1”.



Fig. 14 – The control panel for “Well 1” is lockable and is typically stored locked.



Fig. 14 – View of a “stub-in” for a lot in the West River Subdivision. All houses that are not already built or currently being built have been stubbed in.



Fig. 15 – Access pipe for the fire protection tank buried on Lot 1, Block 2. Permit holder stated that tanks are between 3 to 6 thousand gallons.



Fig. 16 – Access pipe for the fire protection tank buried on Lot 12, Block 2.



Fig. 17 – Lots within the West River Subdivision are in all phases of building, but all lots have been stubbed in.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 W Airport Way • Boise ID 83705-5082

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BRAD LITTLE
Governor

GARY SPACKMAN
Director

March 9, 2021

COPY

WEST RIVER HOMEOWNERS ASSOCIATION INC
C/O GERALD VAN REUSEN
11272 WEST RIO RD
CALDWELL ID 83607-4813

RE: Scheduling Field Exam for Water Right Permit No. 63-34087

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.26 CFS & 10.1 AF** of **GROUND WATER** for **DOMESTIC & FIRE PROTECTION** 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.**

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 Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 or tyler.smith@idwr.idaho.gov 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,

Tyler Smith
Water Resource Agent

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Proof Report and Map