

[illegible]

Method of Determination: Arc Map (Aerial Photo)

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.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
<u>D0030617</u>	<u>Franklin</u>	<u>7.5</u>	<u></u>	<u>Unknown</u>	<u>(3")</u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
<u>N/A</u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

2. Measurements: No field measurement. Well pumps to four (4) pressure tanks in well house. Gauge pressure of 92 psi. High gauge pressure due likely to no campers at time of field exam.

E. FLOW CALCULATIONS Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 7.5 / 270 + (2.31 \times 40) = 46.2 / 362.4 = 0.13 \text{ cfs}$$

$$Q = 0.13 \text{ cfs} < 0.20 \text{ cfs } Q(\text{permit})$$

$$HP = 7.5$$

$$P = 40 \text{ psi (Assumed)}$$

$$Z = 270' \text{ (Estimated)}$$

Nine (9) structures are currently served by the well for domestic internal use. Based on the 'Maximum Instantaneous Water Requirements for Domestic Use' Exhibit No.12, the maximum rate of flow equals 0.14 cfs for nine (9) structures, which is in close agreement with the theoretical horsepower equation. Appears that the current pumping system is not capable to attain the permit diversion rate of 0.20 cfs. Recommend a diversion rate of 0.14 cfs.


 0/9 if .14 cfs N/A to
 this situation as
 discussed with examiner 1/24/13
 -82

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: N/A

$$150 \text{ Campers @ } 50 \text{ gpd/camper} = 7,500 \text{ gpd}$$

Daily diversion rate of 7,500 gpd < 13,000 gpd (Within domestic use exemption limit)

$$13,000/150 = 87 \text{ gpd} > 50 \text{ gpd (Within domestic use exemption limit)}$$

(No volume allowed due to domestic use exemption)

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

A single ground water well with a 7 ½ hp submersible pump, supplies potable water for domestic internal use for nine (9) structures within the Pilgrim Cove Camp. The structures include the lodge, cabins, and offices. The lodge and two cabins are served by the 'Deep Well Lines' designation for the potable water system, which operates year-round. These water main lines are buried below the frost line. The remaining cabins and offices are served by the 'Shallow Well Lines' designation for the potable water system. These water main lines are buried above the frost line. The 'Shallow Well Lines' are shut down in October. The 'Deep Well Lines' and 'Shallow Well Lines' originate from a distribution manifold located in front of the lodge.

POINT OF DIVERSION:

Although Water Right Permit No. 65-22716 indicates that the Pilgrim Cove Camp is served by three (3) separate wells, the right holder indicated that only one well serves the Pilgrim Cove Camp. Therefore, two points of diversion have been eliminated.

OVERLAP ANALYSIS:**Place of Use:**

Water Right No. 65-13052 overlaps the place of use for Water Right Permit No. 65-22716. However, the beneficial use for Water Right No. 65-13052 is irrigation, with Payette Lake as the source.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.20	&/or	N/A
Beneficial Use Limit	0.20	&/or	N/A
System Measurement	0.13(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.14 .13	&/or	N/A

*

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.140 CFS	5.4 AFA
	<u>Totals:</u>	0.140 CFS	5.4 AFA

.13 cfs

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 ☐ Other

I. AUTHENTICATION

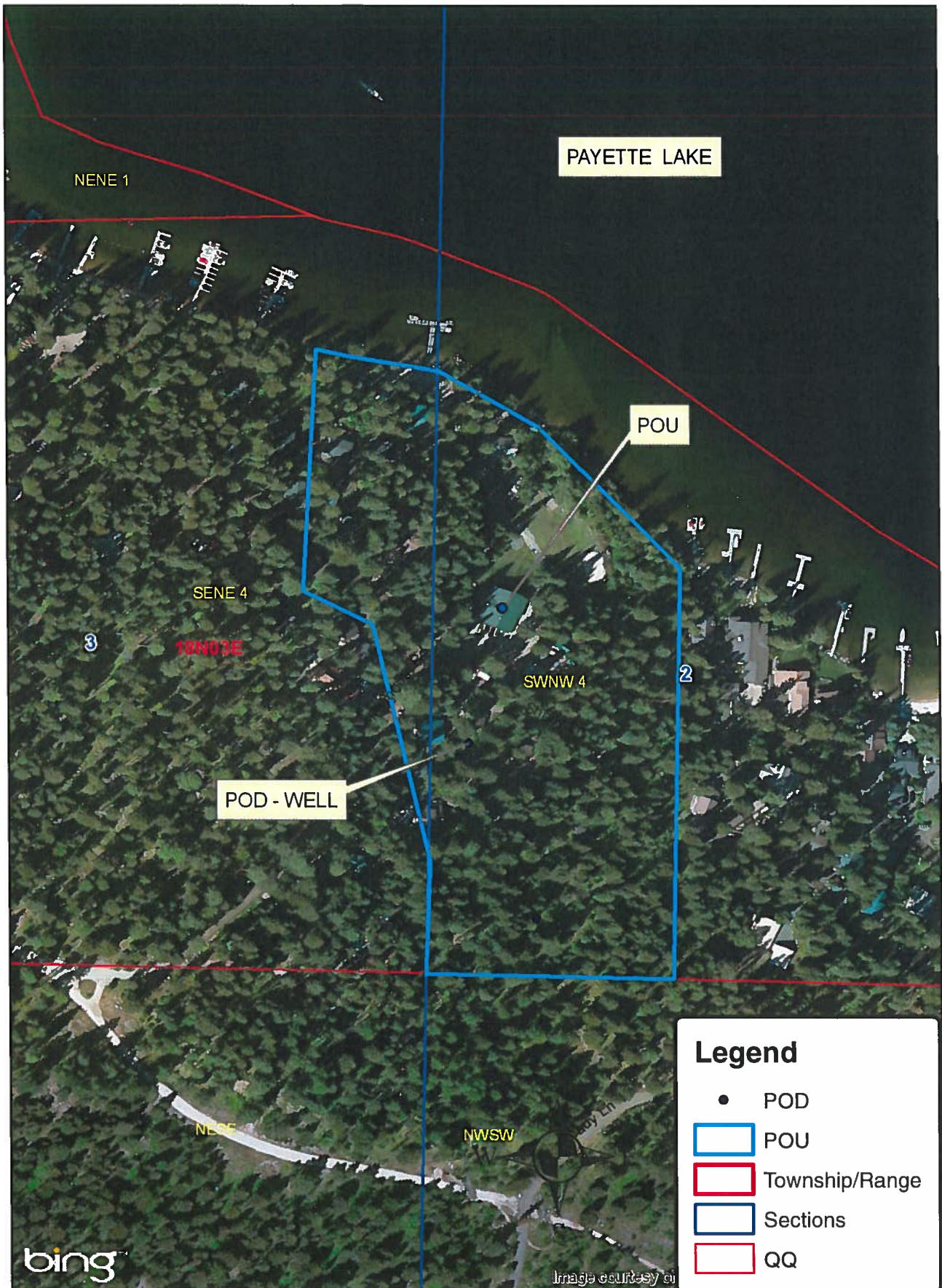
Field Examiner's Name Rick Collingwood Date 1/22/13

Reviewer _____ Date _____

* per HP 69.
.14 cfs N/A
-SL 2/14/2013

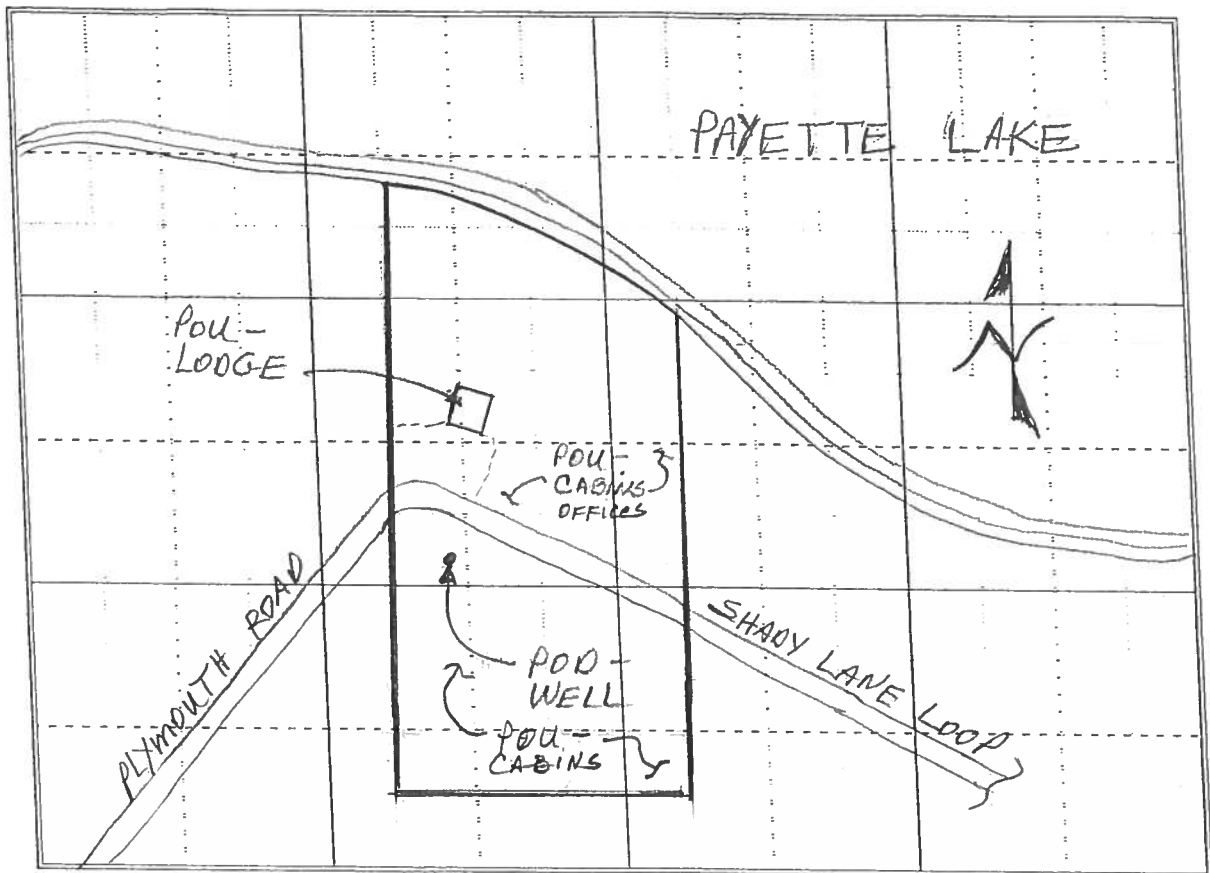
65-22716
GOV'T. LOT 4

BING AERIAL PHOTO - 2011



0 80 160 320 480 640
Feet

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
- ☒ Aerial photo attached (required for irrigation of 10+ acres)
- ☒ Photo of diversion and system attached

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only					
Well ID No.	<u>808696</u>				
Inspected by					
Twp	Rge	Sec			
	1/4	1/4	1/4		
Lat:	:	:	Long:	:	:

1. WELL TAG NO. D 0030617
DRILLING PERMIT NO. 880110-808696
Water Right or Injection Well No. 65-22718

2. OWNER: Boise FIRST United
Name Pilgrim Cove Foundation, c/o Church of Christ
Address 2201 Woodlawn
City Boise State Id. Zip 83702

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 18 North ☒ or South ☐
Rge. 3 East ☒ or West ☐
Sec. 2 1/4 SW 1/4 NW 1/4
Gov't Lot 4 County Valley
Lat: : : Long: : :
Address of Well Site Pilgrim Cove Camp, Plymouth Rd.
City McCall
(Give at least name of road + Distance to Road or Landmark)
Lt. : Blk. : Sub. Name Pilgrim Cove

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

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 Material	From	To	Weight / Volume	Seal Placement Method
Bentonite grout.	200	22	1850 LBS	Pumped
Bentonite chips	22	0	1450 LBS	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	+2	228	.322	STEEL	☒	☐	☒	☐
6	-215	237	.280	STEEL	☐	☒	☒	☐

Length of Headpipe 22' Length of Tailpipe 0
Packer ☒ Y ☐ N Type K-PACKER

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method

Screen Type & Method of Installation JOHNSON STAINLESS STEEL

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
237	277	.020		6"	STAINLESS STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
8-12 COLORADO SAND	200	277	3,700 LBS	Poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

50 ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices:
SANITARY WELL SEAL

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
300 +		200	3 hrs.

Water Temp. 48° Bottom hole temp.

Water Quality test or comments: good

Depth first Water Encounter 237

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	1	TOP SOIL		X
12	1	30	FINE BROWN SAND + BOULDERS		X
12	30	47	COARSE BROWN SAND + BOULDERS		X
12	47	74	BROWN + GRAY SAND		X
12	74	79	BROWN CLAY w/ SAND STREAKS		X
12	79	82	DRK. BROWN CLAYSTONE w/ SAND		X
12	82	90	BROWN CLAY + GRANITE SAND		X
12	90	132	BROWN + GRAY SAND		X
12	132	137	BROWN SILTY CLAY		X
12	137	138	BASALT Boulder w/ SAND + CLAY		X
12	138	162	BROWN SILTY CLAY		X
12	162	210	BROWN CLAY w/ SILT STREAKS		X
12	210	220	FINE BROWN + GRAY SAND		X
12	220	271	COARSE BROWN + GRAY SAND	X	
12	271	283	BROWN + GRAY SAND w/ BASALT GRAVEL	X	
12	283	285	BLACK FRACT. BASALT		X

Filled in From 285' to 277'

RECEIVED

SCANNED

NOV 05 2003

NOV 06 2003

WATER RESOURCES
WESTERN REGION

Completed Depth 277' (Measurable)

Date: Started 10-14-03 Completed 10-24-03

14. DRILLER'S CERTIFICATION

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

Company Name GESTRIN Well Drilling, Inc. Firm No. 408

Principal Driller Robert W. Gustin Date 11-3-03

and Driller or Operator II Date

Operator I Date

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FIELD EXAM PHOTOS

Water Right Permit: 65-22716
PLS: SW1/4, NW1/4 Section 2, T.18N, R.03E.
Field Examiner: RC

Field Exam Date: 8-29-12



Point of Diversion: View southeasterly of ground water well. A well house which contains the supply and discharge piping and appurtenances, and pressure tanks, is located approximately 20' northerly of ground water well.



View inside well house of the 3" galvanized steel supply line to the Pilgrim Cove Camp and the pressure tanks. The two pipes penetrating the wall are the supply lines for the fire suppression system.



View inside of well house of the 3" galvanized supply line from the well, an AMCO Volumetric Flow Meter, and pressure tanks.



Place of Use: View northerly of the Pilgrim Cove Camp Lodge.



Place of Use: View easterly of a few of the typical cabins and out-buildings located within the Pilgrim Cove Camp and served by the potable water system.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 14, 2012

Pilgrim Cove Foundation
P.O. Box 867
McCall, ID 83638-0867

RE: Scheduling Field Exam for Water Right Permit No. 65-22716

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **on August 29, 30, & 31, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.20 cfs of ground water for domestic use for the Pilgrim Cove Church Camp.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by August 21, 2012, to conduct the exam on August 29, 30, or 31, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

Rick Collingwood, P.E.
Water Resource Agent, Sr.



State of Idaho

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C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 8, 2012

Pilgrim Cove Foundation
C/O Boise First United Church of Christ
2201 Woodlawn
Boise, ID 83702

RE: Scheduling Field Exam for Water Right Permit No. 65-22716

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **on August 29, 30, & 31, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.20 cfs of ground water for domestic use for the Pilgrim Cove Church Camp.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by August 17, 2012, to conduct the exam on August 29, 30, or 31, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.
Water Resource Agent, Sr.

MEMORANDUM

TO: Bill Beckham

FROM: Rick Collingwood

DATE: 1-28-13

RE: Pilgrim Cove Foundation – Water Right Permit 65-22716 – Proof Fee Non-payment

Licensing of Water Right Permit 65-22716 is on hold due to non-payment of Proof of Beneficial Use fee of \$50.00 when proof was submitted in January, 2008.

Contacted Bill Beckham, Executive Director, Pilgrim Cove Foundation, regarding the discovery of non-payment when the Proof of Beneficial Use was submitted in January, 2008. Bill indicated that a check will be issued tomorrow (1/29/13). I also informed Bill that due to the non-payment, the priority date will need to be advanced from 2002 to 2013. Informed Bill that the total rate of diversion and use as stated on the Proof of Beneficial Use is 0.04 cfs, and domestic for 1 home, respectively.

The fee for 0.04 cfs or 0.20 cfs is the same, so an additional fee will not be required. It is unclear why the domestic use for the proof is for 1 home and not the 9 units being served from the well.

Collingwood, Rick

From: Bill Beckham [william.beckham@gmail.com]
Sent: Monday, January 28, 2013 2:23 PM
To: 'Camp Receipts'; 'Ken Andersen - BOD'; 'Larry Gebhardt - BOD'; 'Pete Franz - BOD'; 'Pilgrim Cove Foundation - Treasurer Mail'
Cc: Al Busche; Collingwood, Rick; william.beckham@gmail.com
Subject: Water Permit
Importance: High

Hi All,

I got a call today from Rick Collingwood of the Idaho Department of Water Resources who is working on our water rights and permit. Today he mentioned that he received a "beneficial Use" document from Al Busche facilities chair back in 2007, but no payment was attached to the paperwork. To finalize his work now and get our permit, we must send payment for the documents sent in by Al.

We need to issue a check in the amount of \$50.00 to:

IDWR
c/o Rick Collingwood
Western Regional Office
Boise, Id. 83705

Attn: Beneficial Use Fee for Camp.

Take Care,



Bill Beckham
Executive Director

208-634-5555
P.O. Box 867
McCall, Id. 83638-0867

Website: www.pilgrimcovecamp.org
Email: bill.beckham@pilgrimcovecamp.org
Youtube Link: <http://www.youtube.com/user/pilgrimcovecamp>