

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23132

Exam Date: 8/21/2012

1. Current Owner: RON DALY FAMILY PARTNERSHIP
5100 BEL AIR STREET
BOISE ID 83705
(208)343-1288
2. Accompanied by: Ron & Cathy Daly
Phone No: (208) 343-1288
Address: Same
Relationship to Permit Holder:
3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 65-23131, 65-9854
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER L4 SW1/4SW1/4 Sec. 28, Twp 19N, Rge 03E, B.M.
VALLEY County

Method of Determination: Arc Map (Aerial Photo).

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
19N	03E	28											X						
													L 4						

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>
D0048327	Unknown			Unknown	Unknown

*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>
N/A						

2. Measurements: No field measurement. Internal domestic with pressure tank. Pop-up sprinklers in lawn and landscaping areas.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: (Theoretical)

$$Q = 8.8 \times 0.7 \times 1/88 + (2.31 \times 40) = 6.16/180.4 = 0.03 \text{ cfs}$$

HP = 1 (Assumed – No Data)

Z = 88' (Estimated)

P = 40 psi (Assumed)

Appears water supply system, based on a 1-hp pump, is not capable of attaining the permit diversion rate of 0.08 cfs. However, the water supply system appears capable of attaining the standard domestic use diversion rate of 0.04 cfs. Therefore, recommend a beneficial use diversion rate of 0.04 cfs.

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

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

A ground water well, with an assumed 1-hp submersible pump, supplies water to the right holder's home for domestic use. The right holder's home is located on Lot 151 of the Payette Lake Cottage Sites.

At the time of the application, the right holder's well served as a backup water source for Lot 74 of the Payette Lake Cottage Sites, which at the time was owned by the right holder. Since the time of the application for permit submittal, the right holder sold Lot 74 of the Payette Lake Cottage Sites to their son, who also owns Lot 73 of the Payette Lake Cottage Sites. The well drilled on Lot 73 now serves as the backup water source for Lot 74. The right holder's ground water well on Lot 151 is plumbed to the water system in Lot 74, but is not the primary backup water source. Apparently the well on Lot 74 has historically had sand pumping problems.

OVERLAP ANALYSIS:

Place of Use – As stated in Idaho Code Section 42-111, a domestic use right holder is allowed to appropriate water for irrigation of up to ½ acre of lawn and landscaping.

Water Right Permit No. 65-23132 (Domestic) – Ground water is appropriated for domestic use for Lot 151 of the Payette Lake Cottage Sites, which includes irrigation of up to ½ acre of lawn and landscaping per Idaho Code Section 42-111.

Water Right Permit No. 65-23131 (Irrigation) – Surface water is pumped from Payette Lake for irrigating the lawn, landscaping, and native vegetation within the right holder's property.

Water Right 65-9854 (Domestic) – Surface water is pumped from Payette Lake for domestic use for Lot 151 of the Payette Lake Cottage Sites, which includes irrigation of up to ½ acre of lawn and landscaping per Idaho Code Section 42-111.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.08	&/or	N/A
Beneficial Use Limit	0.08	&/or	N/A
System Measurement	0.03(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.04	&/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	0.040 CFS	N/A
<u>Totals:</u>		0.040 CFS	N/A

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

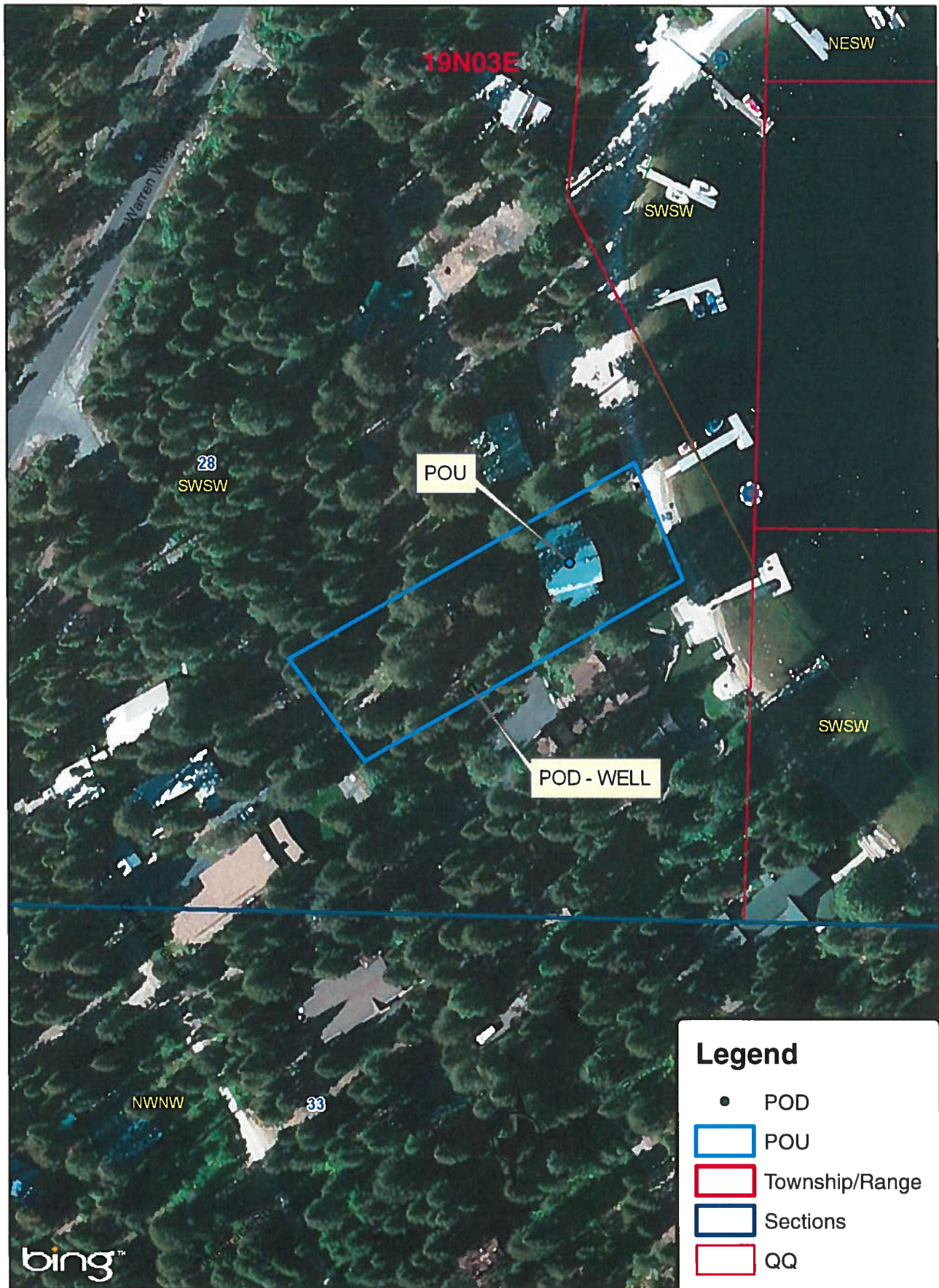
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 12/12/12

Reviewer _____ Date _____

65-23132
Gov't. Lot 4

BING AERIAL PHOTO - 2011



0 37.5 75 150 225 300
Feet

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PRIVATE CLAIMS
General Land Office Records

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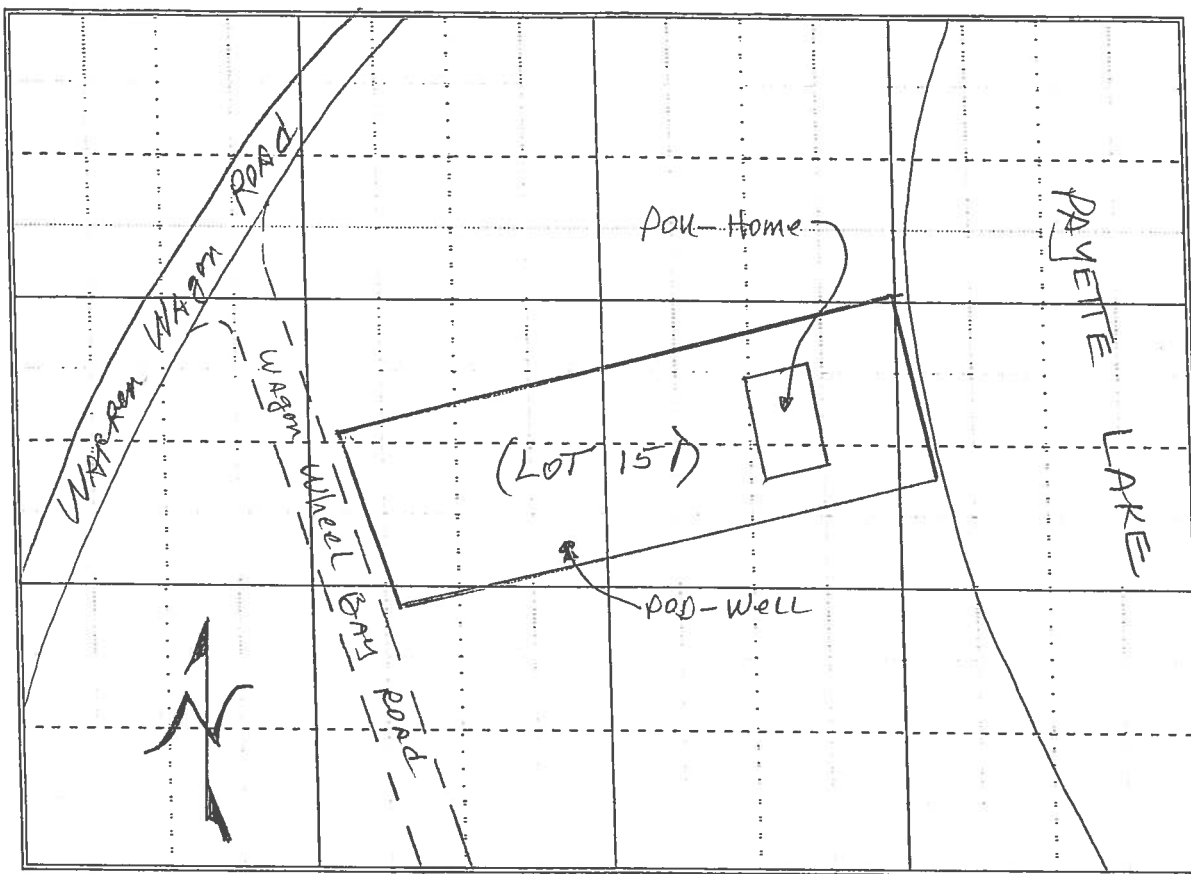
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3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



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

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Form 238-7
6/02IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT1. WELL TAG NO. D D0048327
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____2. OWNER:
Name Ken Daly Family Partnership
Address 5100 Bell Air St.
City Boise State ID Zip 83705

3. LOCATION OF WELL by legal description:

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

Twp. 19 North ☒ or South ☐
Rge. 3 East ☒ or West ☐
Sec. 28 SE 1/4 SW 1/4 SW 1/4
Gov't Lot _____ County ValleyLat: 44° 56' 56.6" Long: 116° 06' 09.3"Address of Well Site 796 Wagon Wheel Rd.City McCall

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

L. 151 Blk. _____ Sub. Name Payette Cottage
Sits

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
<u>BENTONITE</u>	<u>0</u>	<u>18</u>	<u>500lbs</u>	<u>OVER BORE</u>

Was drive shoe used? ☒ ☐ N Shoe Depth(s) 93Was drive shoe seal tested? ☒ ☐ N How? Air

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6"</u>	<u>42</u>	<u>93</u>	<u>.250</u>	<u>STEEL</u>	☒	☐	☒	☐
<u>4"</u>	<u>23</u>	<u>93</u>	<u>.200</u>	<u>PVC</u>	☐	☒	☐	☒

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method TorchScreen Type & Method of Installation CERTA LOCK SET IN

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>83</u>	<u>93</u>	<u>1/4" x 1/2"</u>	<u>20</u>	<u>6"</u>	<u>STEEL</u>	☒	☐
<u>83</u>	<u>93</u>	<u>.020</u>		<u>4"</u>	<u>PVC</u>	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>8-16 SAND</u>	<u>78</u>	<u>93</u>	<u>200lbs</u>	<u>POURED</u>

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

4 ft. below ground Artesian pressure _____ lb.Depth flow encountered 65 ft. Describe access port or control devices: _____SANITARY WELL CAP

12. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>60</u>		<u>80</u>	<u>1 Hr.</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

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Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10</u>	<u>0</u>	<u>4</u>	<u>FINE BROWN SAND</u>		☒
<u>10</u>	<u>4</u>	<u>18</u>	<u>SANDY BROWN CLAY</u>		☒
<u>6</u>	<u>18</u>	<u>20</u>	<u>SANDY BROWN CLAY</u>		☒
<u>6</u>	<u>20</u>	<u>24</u>	<u>BLUE CLAY</u>		☒
<u>6</u>	<u>24</u>	<u>31</u>	<u>FINE BLUE SAND</u>	☒	
<u>6</u>	<u>31</u>	<u>37</u>	<u>FRACTURED BASALT</u>	☒	
<u>6</u>	<u>37</u>	<u>46</u>	<u>FINE BLUE SAND</u>	☒	
<u>6</u>	<u>46</u>	<u>49</u>	<u>BLUE CLAY</u>		☒
<u>6</u>	<u>49</u>	<u>62</u>	<u>GRAVEL & SAND</u>	☒	
<u>6</u>	<u>62</u>	<u>65</u>	<u>BROWN CLAY</u>		☒
<u>6</u>	<u>65</u>	<u>93</u>	<u>SAND & GRAVEL</u>	☒	
<u>6</u>	<u>93</u>		<u>BLUE CLAY</u>		

RECEIVED

JUL 13 2007

WATER RESOURCES
WESTERN REGIONCompleted Depth 93' (Measurable)Date: Started 6-28-07 Completed 7-10-07

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 MENASCO DRILLING Firm No. 391Principal Driller D. Brown Date 7-12-07

and Driller or Operator II _____ Date _____

Operator I _____ Date _____

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

FORWARD WHITE COPY TO WATER RESOURCES

FIELD EXAM PHOTOS

Water Right Permit: 65-23132

Field Exam Date: 8-21-12

PLS: SW1/4, SW1/4 Section 28, T.19N, R.03E.

Field Examiner: RC



Point of Diversion: View southwesterly of ground water well located near the easterly lot line.



Place of use: View southwesterly from the shoreline of Payette Lake of the right holder's home.



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 8, 2012

Ron Daly Family Partnership
5100 Bel Air Drive
Boise, ID 83705

RE: Scheduling Field Exam for Water Right Permit No. 65-23132

Dear Mr. & Mrs. Daly:

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 0.08 cfs of ground water for domestic use for 2 homes.

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.