

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-12315

Exam Date: 5/5/2017

1. Current Owner:
BLACK ROCK BEACH HOMEOWNERS ASSN 17033 S TWISTED PINE RD COEUR D ALENE ID 83814-8646 (208) 795-7040

2. Accompanied by: Ken Oaks
Phone No: same as above
Address: same as above
Relationship to Permit Holder: President of homeowner's assn

3. **SOURCE:**
GROUND WATER

B. OVERLAP REVIEW

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

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

GROUND WATER L3 (NW¼SW¼) Sec. 10, Twp 48N, Rge 04W, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD location at 47° 31.007, 116° 51.102 (A0020018)

2.

PLACE OF USE: FIRE PROTECTION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
48N	04W	10										X L 3							

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
48N	04W	10										X L 3							

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
48N	04W	10										0.7 L 3							.7

Total Acres: 0.7

Method of Determination: Google Earth and Arc map

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
95-84-N-113-1	FRANKLIN	3			

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: N/A

E. FLOW CALCULATIONS

Measured Method: SEE ATTACHED PUMP INVOICE
 SHOWING A 3HP 25GPM FRANKLIN PUMP WAS INSTALLED IN 2016.

☒ Additional Computation Sheets Attached**SCANNED****JUN 14 2017**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.7 \text{ AC} \times 3.0 \text{ AF} = 2.1 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 246 \times 1.9835 = 9.8 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 2.1 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 12 HOMES

$$12 \text{ HOMES} \times 0.6 \text{ ACRE FEET} = 7.2 \text{ AF}$$

NO VOLUME FOR FIRE PROTECTION

G. NARRATIVE/REMARKS/COMMENTS

Field exam with Ken Oaks showed a well serving 12 homes with domestic water and 7 of those homes with small amounts of irrigation. Mr. Oaks provided an invoice showing a 25gpm Franklin pump was installed in 2016, which was just a replacement pump for prior pump. Well pumped directly into pressure tank with no clear place for measurement so invoice will be used to justify diversion rate of 25gpm. The irrigation occurring at the 7 homes was measured out to 0.7 acres. Irrigation will be given a diversion rate of 0.02cfs with no annual volume. 2 homes received their irrigation water from the lake and are covered under rights 95-17273 and 95-17274. Because those homes are not receiving any irrigation from this right, no overlap will need to be added.

License will be issued for a diversion rate of 0.06cfs for domestic use with an annual volume of 7.2 acre-feet. Irrigation will be given a diversion rate of 0.02cfs for the irrigation of 0.7 acres with no annual volume. Fire protection will be given a diversion rate of 0.06cfs with no annual volume.

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

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	0.06 CFS	7.2 AF
IRRIGATION	03/15 to 11/15	0.02 CFS	
FIRE PROTECTION	01/01 to 12/31	0.06 CFS	
<u>Totals:</u>		0.060 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 ☒ None

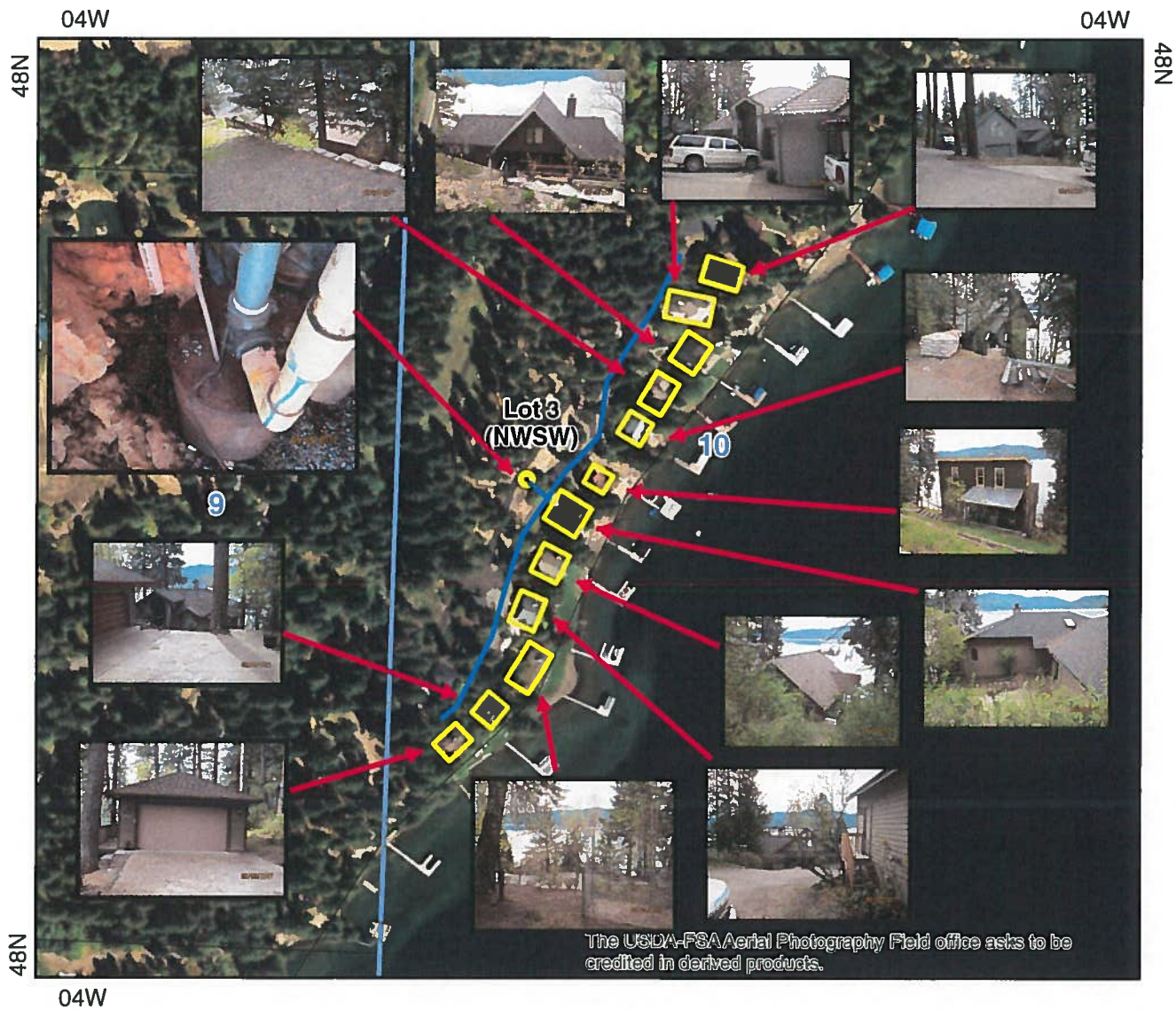
I. AUTHENTICATION

Field Examiner's Name Adam Franklin Date 6-1-2017

Reviewer Morgan Cox Date 6/12/2017

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-12315

DOMESTIC / SYSTEM DIAGRAM



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

0 0.035 0.07 0.14 Miles

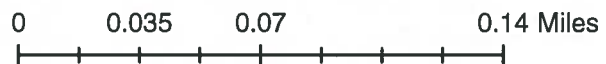
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JUN 14 2017

State of Idaho
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FIRE PROTECTION



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



State of Idaho
Department of Water Resources
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IRRIGATION



04W

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles



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JUN 14 2017

INVOICE



PUMP & DRILLING

3125 W. Hayden Ave. Hayden, ID 83835
Phone (208) 772-7867 Fax (208) 772-7229
Unitedcrown.com

Invoice Number: 5294
Date 6/7/2016
Terms: Due on Receipt

Black Rock Beach
Ken Oaks
17033 S Twisted Pine Rd
Coeur d'Alene, ID 83814
(509) 990-3919 Ken Oaks

Service Location

Address: 17033 S Twisted Pine Rd
City: Coeur d'Alene
Job/Well #
Purchase Order

Page 1 of 2

Call Out: Trouble shoot water system for low pressure.

5/25/16: Found the pump running but not building more than 20psi. Pump needs to be pulled.

5/27/16: Pulled roof off. Pulled pump and replaced with material listed below.

Quantity	Item	Unit Price	Extended Price
1.00	3 HP 25 GPM Pump/Motor/Control Box	\$3,035.76	\$3,035.76
1.00	5-Yr Extended Pump & Motor Warranty	\$80.00	\$80.00
162.00	1 1/4" Sch80 PVC Drop Pipe W/SS Cplr	\$2.16	\$349.92
2.00	1 1/4" Flomatic 80DI Ductile Check Valve	\$45.98	\$91.96
1.00	Motor Splice & Tape	\$50.00	\$50.00
5.00	Hoist Truck Time	\$60.00	\$300.00
7.00	#10 THHN Wire	\$0.29	\$2.03
1.00	CH-BR DP 40A Cutler hammer breaker	\$24.98	\$24.98
1.00	Copper 3/4" Coupling	\$3.45	\$3.45
2.00	CPVC - 1 1/4 Coupling	\$5.69	\$11.38
2.00	Elec- 1/2" Carlon liquid tite box connector	\$3.33	\$6.66
3.00	Carlon 1/2" PVC liquid tite	\$0.87	\$2.61
3.00	Elec- 1/2" heavy wall straps	\$0.22	\$0.66
1.00	Galv 1 1/4" x 42" Nipple	\$17.43	\$17.43
1.00	Galv. 1 1/4" x 10" nipple	\$14.10	\$14.10
1.00	Galv. 1 1/4" plug	\$5.75	\$5.75
1.00	Galv. 1 1/4" tee	\$14.31	\$14.31
1.00	1 1/2" x 1 1/4" SS Bushing	\$9.45	\$9.45
2.00	Torque Arrestor W/ Clamp	\$15.33	\$30.66
44.00	Round Trip Mileage Day 2	\$1.00	\$44.00
109.00	Round Trip Mileage Parts Delivery	\$1.00	\$109.00
5.00	Mileage In Area	\$1.00	\$5.00

Thank you for the opportunity to work for you.

Project Manager Steve Currie

This invoice due and payable upon receipt. Invoices not paid within 10 days will accrue interest at a rate of 1.5% per month.

RECEIVED

MAY 05 2017

JUN 14 2017

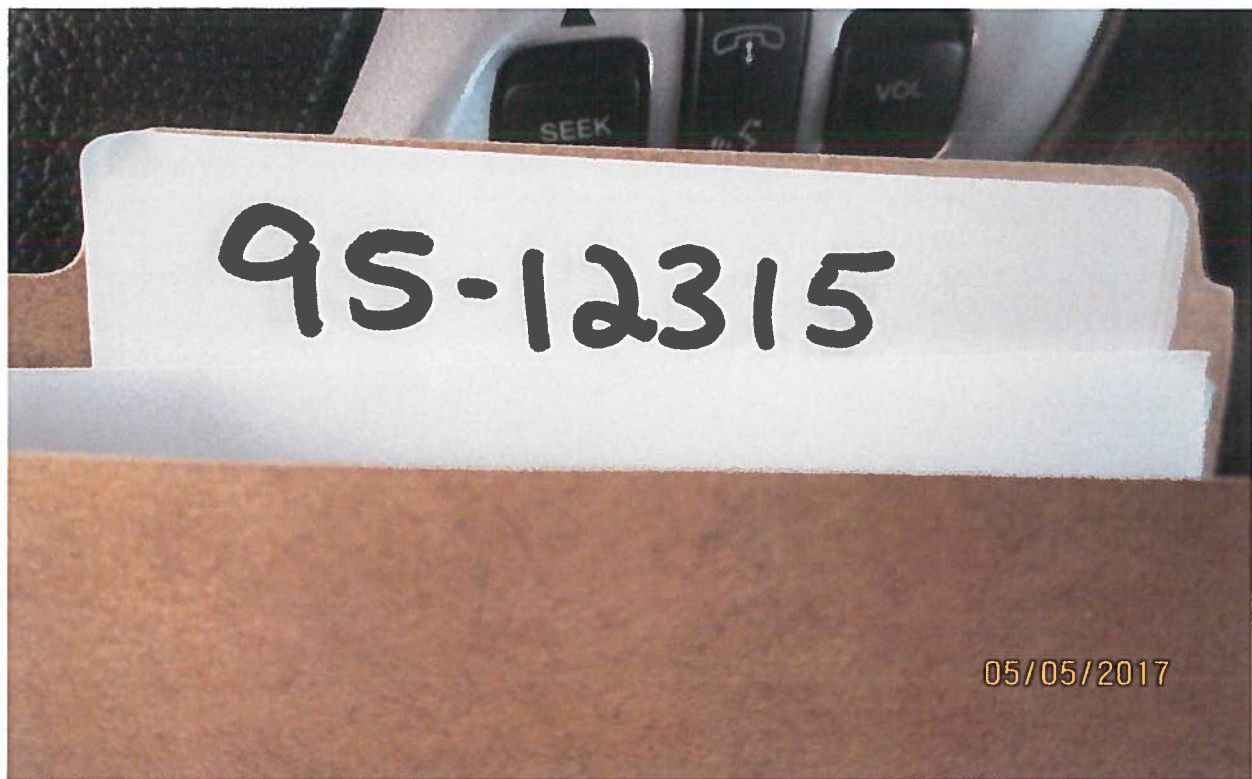
IDWR / NORTH

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

Permit #
752158
Wall IO
275454

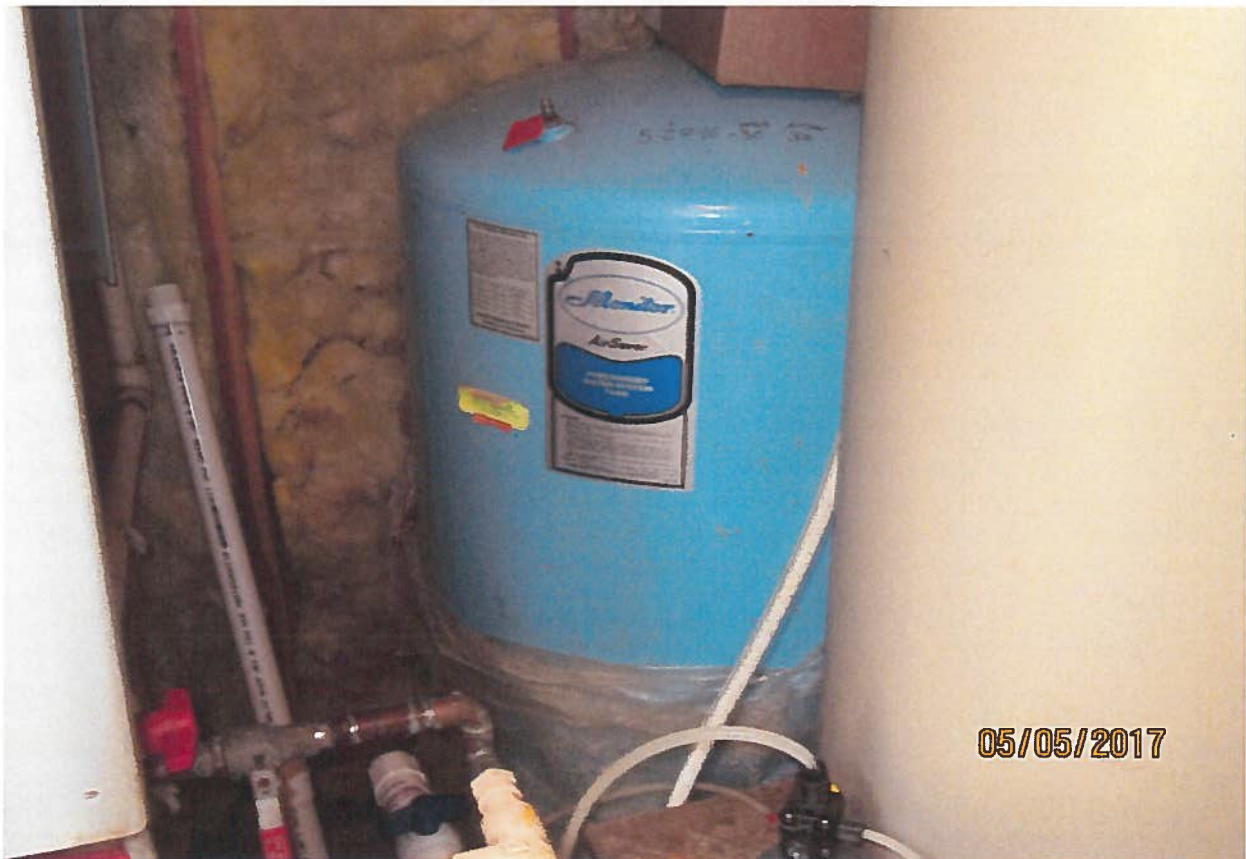
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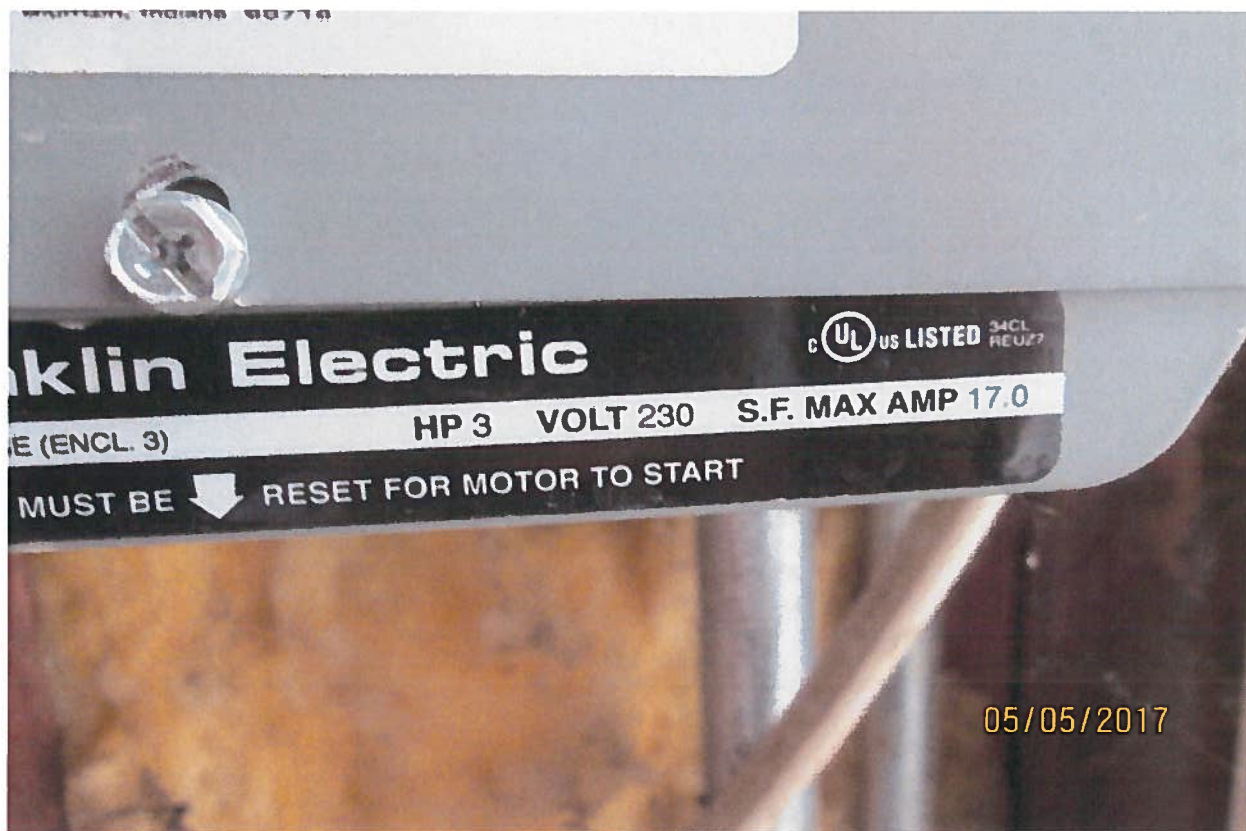
Well serving homes that was drilled in 1984 to a depth of 180 feet. Given IDWR tag A0020018. **SCANNED**
JUN 14 2017



Pressure gage on system reading 42 psi.



Water pumped directly to pressure tank for distribution to homes.



Franklin 3hp, 25gpm pump in well.



Home 1 served domestic water and small amount of irrigation near lake.



Home 2, served domestic water only. Irrigation from lake covered under right 95-17273



Home 3, served domestic water only. Irrigation from lake covered under right 95-17274.



Home 4 served domestic water and irrigation.



Home 5 served domestic water and irrigation.



Home 6 served domestic water and irrigation.



Home 7 served domestic water only.



Home 8 served domestic water and irrigation.



Home 9 served domestic water and small irrigation near lake.



Home 10 served domestic water and irrigation.



Home 11 served domestic water only.



Home 12 served domestic water only.