

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 36-08772

Priority: January 16, 1998

Maximum Diversion Rate: 0.73 CFS
Maximum Diversion Volume: 60.0 AF

It is hereby certified that PELICAN POINT SUBDIVISION ASSN INC
C/O EDWARD EVANS
67 PELICAN DR
RUPERT ID 83550 has complied with the terms and conditions of the permit,
issued pursuant to Application for Permit dated January 16, 1998; and has submitted Proof of Beneficial
Use on March 26, 2003. An examination indicates that the works have a diversion capacity of 0.81 cfs of
water from:

SOURCE

GROUND WATER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
DOMESTIC	01/01 to 12/31	0.73 CFS	60.0 AF

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	L3 (NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$) Sec. 21, Twp 10S, Rge 24E, B.M.	MINIDOKA County
GROUND WATER	L3 (NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$) Sec. 21, Twp 10S, Rge 24E, B.M.	MINIDOKA County

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	
10S 24E 21	X			X													
	L 3			L 3													
10S 24E 22						X											
						L 4											

CONDITIONS OF APPROVAL

1. The right holder shall measure and annually report diversions of water and/or other pertinent hydrologic and system information as required by Section 42-701, Idaho Code.
2. The irrigation occurring under this domestic use shall not exceed 1/2 acre within each platted subdivision lot upon which a home has been constructed. This right does not provide for irrigation of common areas or for irrigation of lots upon which homes have not been constructed.
3. The domestic use authorized under this right shall not exceed 13,000 gallons per day per home.
4. Domestic use is for 50 homes.
5. Place of use is within Lots 1-50 Pelican Point Subdivision.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 16th day of November, 2007.


DAVID R. TUTHILL, JR.
Director

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-8772

Exam Date: 07/24/2007

1. Current Owner: PELICAN POINT SUBDIVISION ASSN INC
C/O EDWARD EVANS
67 PELICAN DR
RUPERT ID 83550
(208) 436-9790
2. Accompanied by: Roger Juntunen
Phone No: (208) 436-1814
Address: 71 Pelican Dr., Rupert, ID 83550
Relationship to Permit Holder: Neighbor and subdivision resident

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 1-8, 1-219 (Minidoka Irrigation District service area, no apparent use or delivery of water to subdivision)
2. Other water rights with the same point of diversion: None

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

GROUND WATER	L3 NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21, Twp 10S, Rge 24E, B.M.	MINIDOKA County
GROUND WATER	L3 NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21, Twp 10S, Rge 24E, B.M.	MINIDOKA County

Method of Determination: GPS, GIS, and satellite imagery

2. **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	
10S	24E	21	X L 3			X L 3													
10S	24E	22						X L 4											

Method of Determination: Visual inspection, satellite imagery, GIS

3. X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable. Attachment 1.
- X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater. Attachment 1.
- X Aerial Photo Attached (required for irrigation of 10+ acres). Attachment 1.
- X Photo of Diversion and System Attached. Attachments 2 – 4.

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>
D0002524		30			
D0002525		10			

*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>
	Ultrasonic	Polysonic	Tyme-Flyte	150232		April 2007

2. Measurements: See attachment 5, measurement record.

Description and Summary:

Flow meter attached to 4.13" copper pipe inside well house. Fire hydrant located near Lot 27 opened to allow a system capacity measurement for flow from both wells.

Total flow = 361.6 gpm = 0.81 cfs, based on 10 minute average.

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method: None

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: Domestic

For Domestic use, IDWR typically provides 0.6 acre-feet per year per home (536 gallons per day) for in-house use and an additional 0.6 acre-feet per year for irrigation associated with each residence. Since the permit is limited to the domestic use for 50 homes, the maximum annual volume for the water right license equivalent to the use for 50 homes is 60.0 acre-feet.

$$50 \text{ homes } (0.6 \text{ afa} + 0.6 \text{ afa}) = 60.0 \text{ acre-feet}$$

G. NARRATIVE/REMARKS/COMMENTS

Two wells, approximately 50 feet apart, are located on the same subdivision lot adjacent to the well house. The wells are connected to the same distribution system in the well house which contains all controls, gages, and valves along with three storage tanks, approximately 250 gallons each. The distribution lines leave the well house and provide service to approximately 50 building lots. At the time of examination, homes were constructed on 28 lots and apparently connected to the domestic water system. It appeared that service lines were stubbed in to the remaining 22 undeveloped lots.

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	0.730 CFS	60.00 AF
<u>Totals:</u>		0.730 CFS	60.00 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name Aaron Marshall Date November 1, 2007

Reviewer _____ Date _____

ATTACHMENT 1





Well house, facing northwest.



Inside well house, facing northwest.

ATTACHMENT 2



Storage tanks, facing southwest. Ultrasonic flow meter sensor attached to pipe above tanks.



Pressure gage, reading 50 psi during measurement, and wiring with junction boxes indicated horsepower and pressure range for each well.

ATTACHMENT 3



Inside well house, flow meter at bottom, facing northeast.



West well, in foreground with east well, in background, facing northeast.

ATTACHMENT 4

ATTACHMENT 5 **DISCHARGE MEASUREMENT RECORD**

OUTER DIAMETER
4.12 IN

PIPE MATERIAL
? CI, CU

WALL THICKNESS
0.1228 IN

KIND OF FLUID
? WATER

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
2.297 IN U

15:17+ 3.699E 2GPM 00R
+ 10.019E 0FPS 00R
+00000 *G 00R
-00000 *G 00R

15:18+ 3.699E 2GPM 00R
+ 10.019E 0FPS 00R
+00365 *G 00R
-00000 *G 00R

15:19+ 3.636E 2GPM 00G
+ 9.849E 0FPS 00R
+00720 *G 00R
-00000 *G 00R

15:20+ 3.594E 2GPM 00R
+ 9.734E 0FPS 00R
+01088 *G 00R
-00000 *G 00R

15:21+ 3.711E 2GPM 00R
+ 10.052E 0FPS 00R
+01452 *G 00R
-00000 *G 00R

15:22+ 3.620E 2GPM 00R
+ 9.806E 0FPS 00R
+01816 *G 00R
-00000 *G 00R

15:23+ 3.622E 2GPM 00R
+ 9.809E 0FPS 00R
+02178 *G 00R
-00000 *G 00R

15:24+ 3.530E 2GPM 00R
+ 9.560E 0FPS 00R
+02538 *G 00R
-00000 *G 00R

15:25+ 3.588E 2GPM 00R
+ 9.717E 0FPS 00R
+02897 *G 00R
-00000 *G 00R

15:26+ 3.596E 2GPM 00R
+ 9.740E 0FPS 00R
+03256 *G 00R
-00000 *G 00R

15:27+ 3.619E 2GPM 00R
+ 9.803E 0FPS 00R
+03616 *G 00R
-00000 *G 00R

36.66m
Avg