

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9222

Exam Date: 6/30/2008

1. Current Owner: BUCK RIDGE LLC
1235 SAND KEY
CORONA DEL MAR CA 92625

2. Accompanied by: RANDY STONE

Phone No: 208-255-8268

Address:

Relationship to Permit Holder: AGENT

3. SOURCETRIBUTARY

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER L5 NW¼SE¼ Sec. 36, Twp 57N, Rge 03W, B.M. BONNER County

Method of Determination: GPS

2.

<u>PLACE OF USE:</u>		DOMESTIC																
Twp Rge Sec		NE				NW				SW				SE				<u>Totals</u>
		<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
57N 03W 36																X		
																L 5		

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

<u>Well or Diversion</u> <u>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</u> <u>Size</u>

D. FLOW MEASUREMENTS

<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>

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 96-9222						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	5	216.6462585	0.8	101	50
Q =	0.163 cfs 73.0 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.5 \times 3 = 10.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .07 \times 214 \times 1.9835 = 29.7$$

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

2. Volume Calculations for Other Uses:

$$\text{Domestic } 7 \times .6 = 4.2$$

$$\begin{array}{r} 4.2 \\ + 10.5 \\ \hline 14.7 \text{ AF total} \end{array}$$

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES GROUNDWATER FOR IRRIGATION FIRE PROTECTION AND DOMESTIC USE. IT HAS A 6 INCH WELL WITH WELL TAG # D0040043. THE WELL HAS A 5 HP PUMP THAT RUNS AT 50 PSI. ONLY 3 OF THE 7 HOME ARE BUILT. ALL OF THE EMPTY LOTS HAVE WATER HOOK UPS SO WHEN THE HOME IS BUILT WATER IS THERE. THE SYSTEM IS SET UP FOR .5 ACRES OF IRRIGATION FOR EACH LOT. IT ALSO HAS A STORAGE TANK WITH THREE 10 INCH FIRE PROTECTION STANDS.

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	0.110 CFS	4.20 AF
IRRIGATION	04/01 to 10/31	0.070 CFS	10.50 AF
FIRE PROTECTION	01/01 to 12/31	0.160 CFS	
<u>Totals:</u>		0.160 CFS	14.70 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

Date

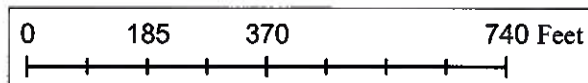
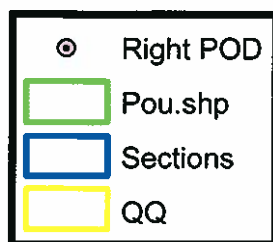
7-18-08

Reviewer

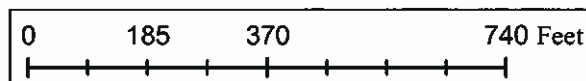
Date

7/18/8

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PLACE OF USE DOMESTIC
1



PLACE OF USE DOMESTIC
2



PLACE OF USE DOMESTIC
3



PLACE OF USE HOOK UP
1



PLACE OF USE HOOK UP
2 AND 3



PLACE OF USE HOOK UP
4



POINT OF DIVERSION



PUMP HOUSE

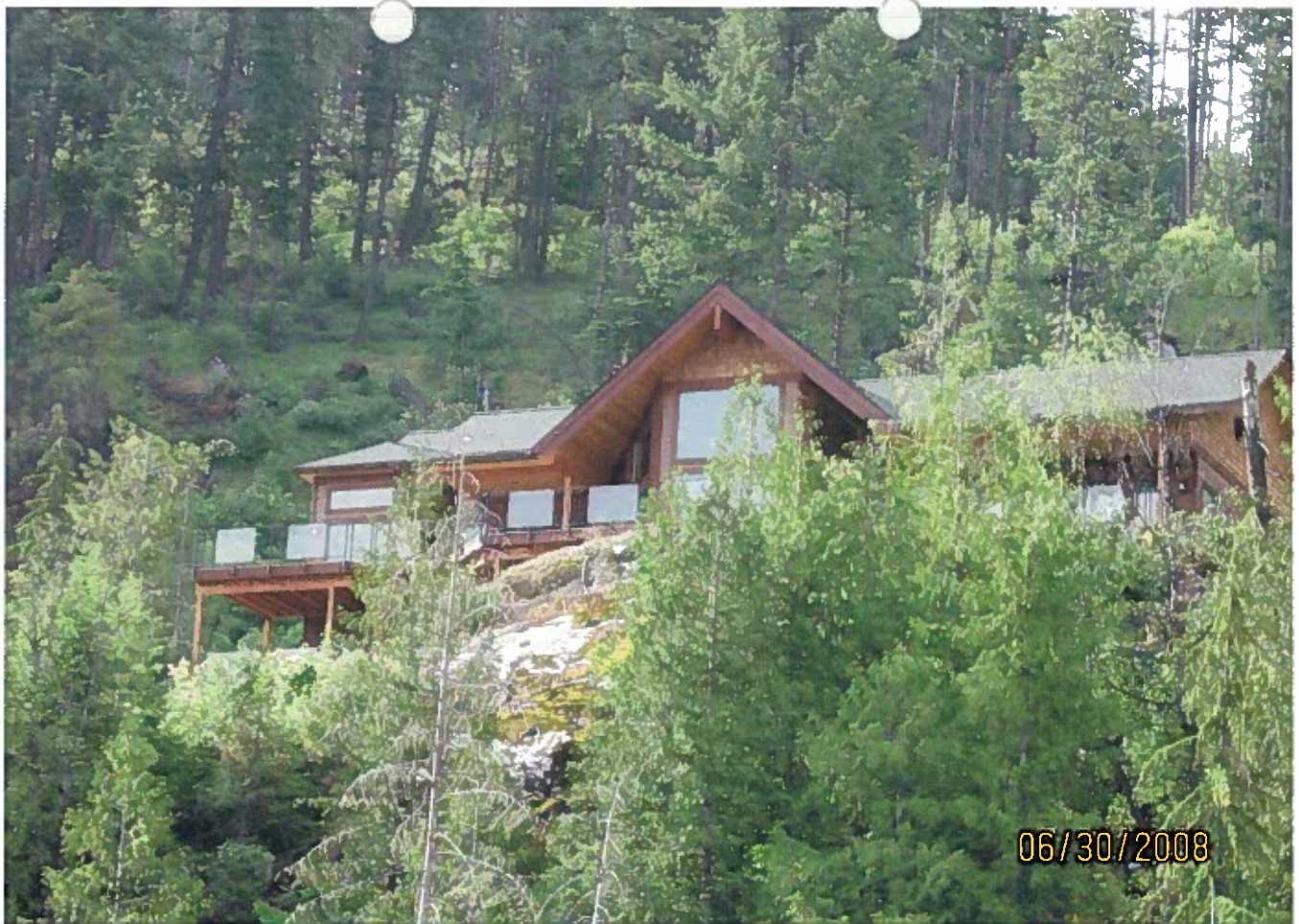


STORAGE AND FIRE
STANDS



WELL TAG # D0040043

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