

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 78-12177

Exam Date: 7/14/2009

1. Current Owner: CANYON PINES RV RESORT INC
14718 60TH AVE W
EDMONDS WA 98026
425-239-3712
2. Accompanied by: Jeff Dean
Phone No: 208-628-2719
Address: PO Box 1427 Riggins, ID 83549
Relationship to Permit Holder: Camp host/partial owner

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 NW1/4NE1/4 Sec. 32, Twp 23N, Rge 01E, B.M. IDAHO County

Method of Determination: Site visit, Imagery, GPS

2.

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
23N	01E	32		X	X														

Method of Determination: Site Visit, Imagery

3. x Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/plpe as applicable.
- 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.
- na Aerial Photo Attached (required for irrigation of 10+ acres).
- x 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>
1 well w/ 3 tags					
D0028162	Franklin	1hp		Grundfos	Model #5S1022
D0029057					
E0005538					

D. FLOW MEASUREMENTS

1. No physical measurement obtained. The pump is submersed and no straight length of pipe available to obtain a measurement. Well feeds into storage tank so bucket and stop watch method would not be applicable here either.

2. Measurements: Figures used in flow calculation obtained from Jeff and also from well log

E. FLOW CALCULATIONS

__x__ Additional Sheets Attached
(well log)

Measured Method:

Jeff informed me that it takes 36 hours for the 10,0000 gallon storage tank to fill. He also informed me that the well is capable of producing 7 gpm but they have it regulated down to 5 gpm.

36 hours = 2160 minutes

10,000 gallons/2160 minutes = ~5gpm or 0.01 cfs

HP equation

depth to water= 165

psi = 60

hp = 1

efficiency= standard of 0.7

$8.8 \times .7 \times 1/165 + (2.31 \times 60) = 6.16/303.6 = 0.02 \text{ cfs or } 7 \text{ gpm}$

From this information I conclude that the well is capable of producing up to 7 gpm even though they only have it set at 5 gpm. The permit will be licensed with the highest possible capacity of the well, 7 gpm.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NA

2. Volume Calculations for Other Uses: Commercial Use

54 RV sites with spigot for water hook-up (1gpm)= 54 gpm

4 showers (6gpm) = 24 gpm

3 toilets (5 gpm) = 15 gpm

4 sinks (5 gpm) = 20 gpm

2 utility sinks (5 gpm)= 10 gpm

2 washing machines (average 50 gallons per load)= 100 gpm

69 total fixtures on system with an instantaneous demand estimated at 223 gpm

In an average year there are a total of 4,525 visitors to the RV park or an average of 12 per day. They are open year round and they have two busy seasons, May-July and September-October. I used the average of 12 visitors per day using ½ hour of water per day to calculate volume: 12 visitors per day x 0.5 hours x 7 days = 42 hours/week

223 gpm x 42 hours/week = 9366 gallons per week x 52 = 487,032 gallons per year/325982 = 1.5 afa

G. NARRATIVE/REMARKS/COMMENTS

The well fills a 10,000 gallon above-ground storage tank. From there the water is distributed throughout the campground by 2-2hp pumps. The system is looped throughout the campground and there is direct piping to the two buildings- restroom/rec/laundry building and the office.

****Irrigation for the RV park is provided by surface water from the Little Salmon. There is no documented water right on file for this use. I discussed this with Jeff on the phone 9/14/09 and he said that he has notes of water rights that used to be in Gotzinger's name and/or Cross O Ranches name. I did a search of the database and there is no water right in the QQ where the RV park is. Water right 78-12254 potentially is the water right Jeff is referring to, however the place of use for that right is across highway 95 and the source is from Denny Creek.**

The right holder has complied with the condition that stipulated that the well have no impact on the Little Salmon. The well driller's report indicated that no water was encountered until a depth of 130 ft. The well is cased until 165 ft. It is highly unlikely that water at a depth of 165 ft has a direct impact on the LSR.

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>
COMMERCIAL	01/01 to 12/31	0.020 CFS	1.5
<u>Totals:</u>		0.020 CFS	1.5 afa

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: Cherie Padilla Date of Exam 7/14/2009

Reviewer: Cherie Date of Report Preparation 9/14/2009

Form 238-7
6/02.

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D D0029057
DRILLING PERMIT NO 873031-783169
Water Right or Injection Well No. _____

2. OWNER:
Name Canyon Pines RV Resort Inc.
Address 14718 60th Ave. W
City Edmonds State WA Zip 98020

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 23 North ☒ or South ☐
Rge. 1 East ☒ or West ☐
Sec. 32 1/4 NW 1/4 NE 1/4
Gov't Lot _____ County Idaho
Lat: _____ Long: _____
Address of Well Site 10 Barn Rd.
City Pollock
Lt. _____ Blk _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other 54 Site RV Park
Domestic/Commer

5. TYPE OF WORK check all that apply
☒ New Well ☐ Modify ☐ Abandonment ☐ Other
(Replacement etc.)

6. DRILL METHOD:
☒ Air-Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:
Seal Material From To Weight/Volume Seal Placement Method
Cement-Neat 0 20 2 yds. Pumped
(pressure grouted)
Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 40
Was drive shoe seal tested? ☒ Y ☐ N How? air

8. CASING/LINER:
Diameter From To Gauge Material Casing Liner Welded Threaded
8 +2 40 .322 Steel ☒ ☐ ☒ ☐
6 10 205 .200 PVC ☐ ☒ ☐ ☐
cemented ☐ ☐
Length of Headpipe _____ Length of Tailpipe _____
Packer ☐ Y ☒ N Type _____

PERFORATIONS/SCREENS PACKER TYPE
Perforation Method saw slotted
Screen Type & Method of Installation
From To Slot Size Number Diameter Material Casing Liner
145 205 3/16 80 6 PVC ☐ ☒
145 _____ _____ _____ _____ _____

10. FILTER PACK
Filter Material From To Weight/Volume Placement Method
_____ _____ _____ _____ _____

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
18 ft. below ground Artesian pressure _____ lb.
Depth, flow encountered _____ ft. Describe access port or control devices:
well cap

Office Use Only
Well ID No. _____
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat: _____ Long: _____

12. WELL TESTS:
☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian
Yield gal/min. Drawdown Pumping Level Time
20 _____ _____ _____
Water Temp. 60 Bottom hole temp. _____
Water Quality test or comments. _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	20	Gravels, sand, boulders		x
12	20	35	Gravels, sand, boulders		x
8	35	38	Gravels, sand, boulders		x
8	38	50	Black gray granite MH		x
8	50	60	Black gray granite with quartz MS		x
8	60	80	Black gray white granite MH		x
8	80	100	Black white gray green granite MH		x
8	100	110	Black gray white granite MS		x
8	110	120	Black brown white granite MH		x
8	120	130	Black gray white granite MH		x
8	130	133	Gray white fractured granite MH		x
8	133	160	Black gray granite MH		x
8	160	170	Black white gray granite MS		x
8	170	175	Black white granite MS		x
8	175	190	Black gray granite MH		x
8	190	205	Black white granite MS		x

RECEIVED

FEB 13 2003

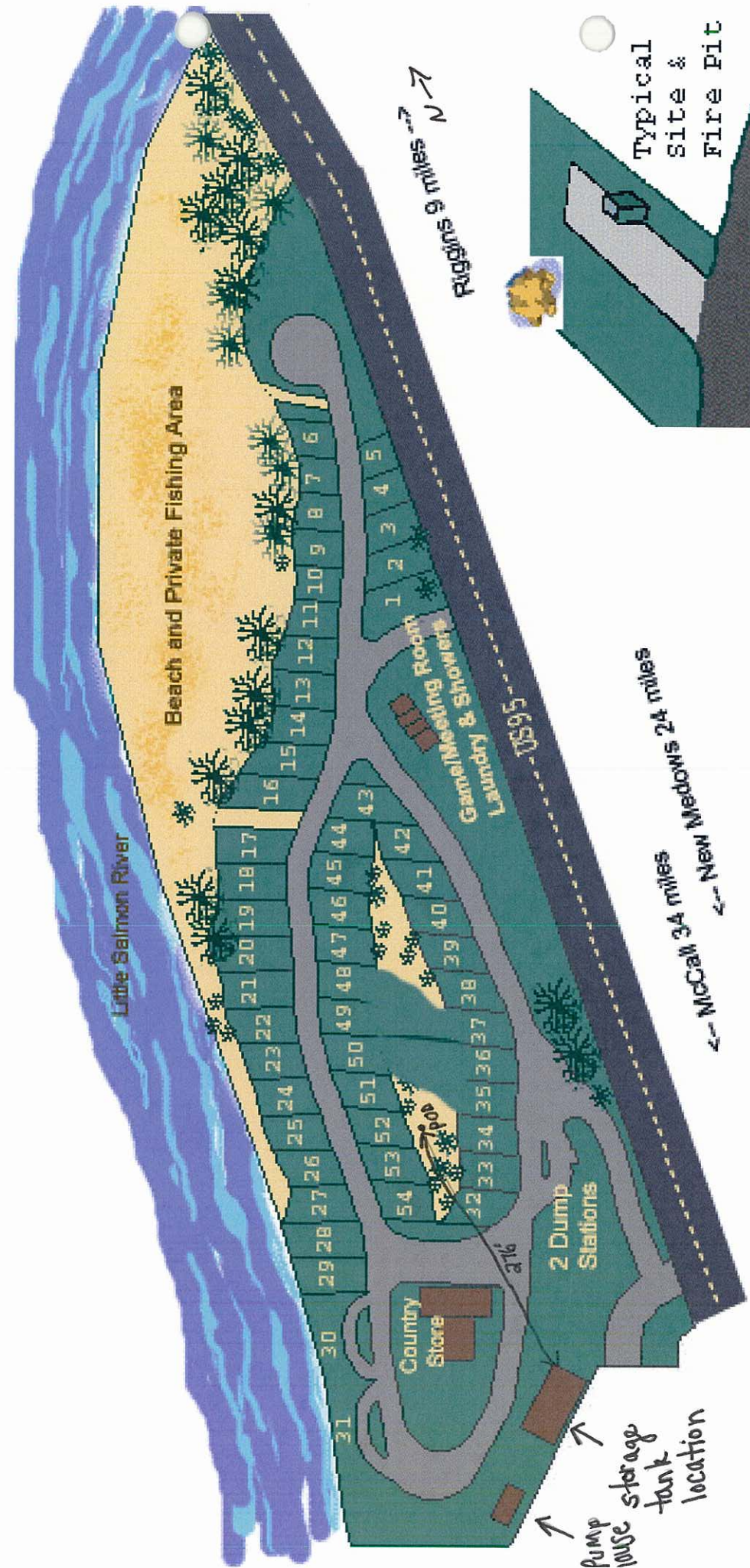
WATER RESOURCES
WESTERN REGION

Completed Depth 205 _____ (Measurement)
Date Started 1-13-03 Completed 1-21-03

14. DRILLER'S CERTIFICATION
(We certify that all minimum well construction standards were complied with at the time the rig was removed.)
Company Name DRU Well Drilling Firm No. 539
Principal Driller Jim R. White Date 1-24-03
and _____
Driller or Operator II Paul L. Lutz Date 1-24-03
Operator I _____ Date _____

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

FORWARD WHITE COPY TO WATER RESOURCES

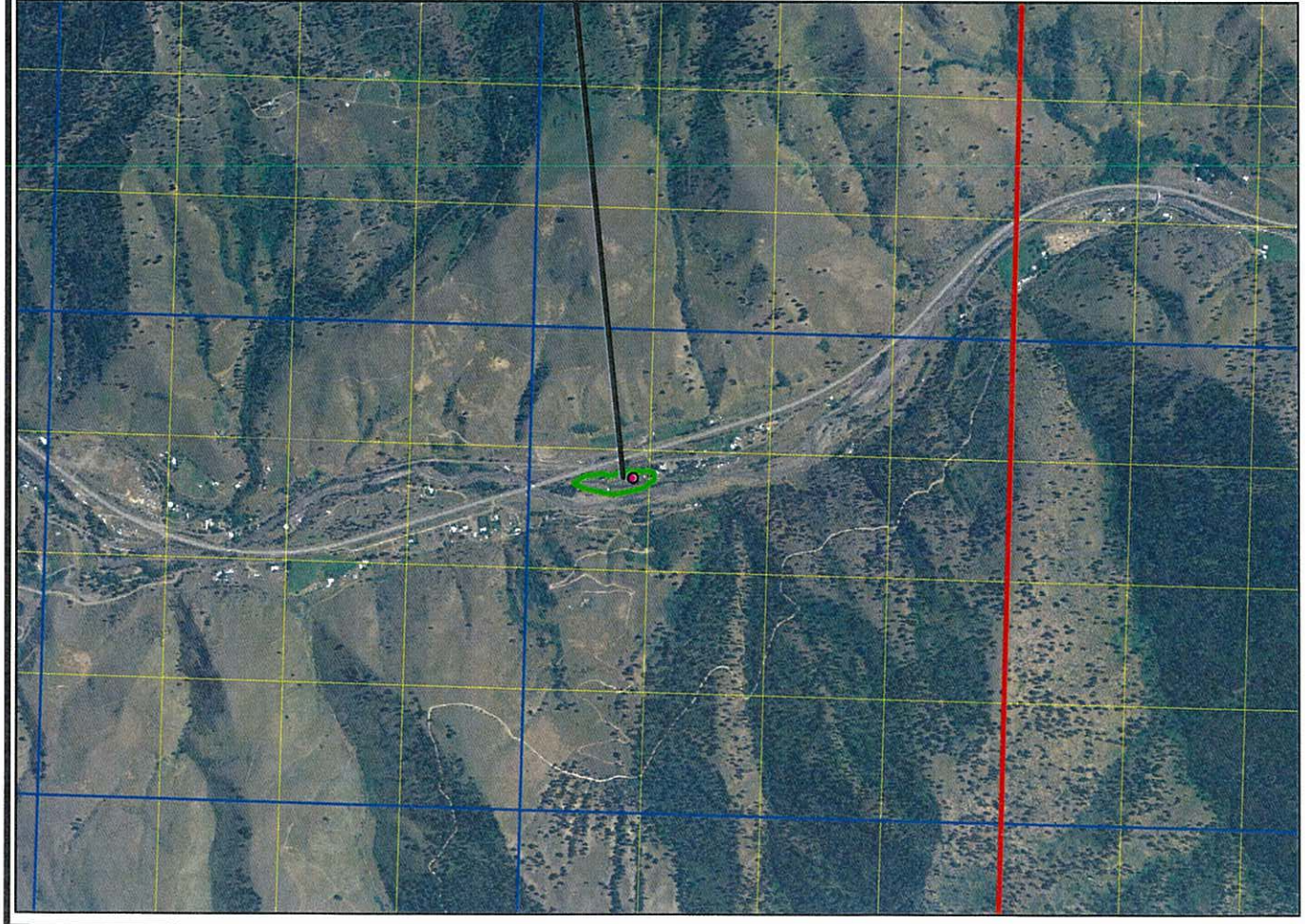


POU includes all camp sites, the game/meeting room and the country store/office



Legend

- 78-12177pod
- 78-12177POU
- Township/Range
- Sections
- QQ



Water Right 78-12177 Field Exam Map

Created by Cherie Padilla 9/14/2009 Using 2004 Naip Imagery



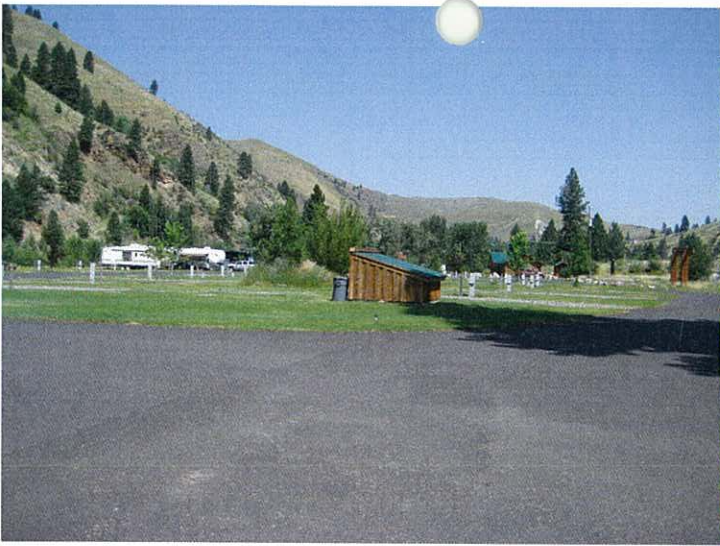


Photo 1: POU-This picture is taken facing the NW

Photo 2: Well

Photo 3: The cement storage tank



Photo 4: The building that houses the storage tank





Photo 5: Rec/laundry/restrooms-picture taken Facing NW direction

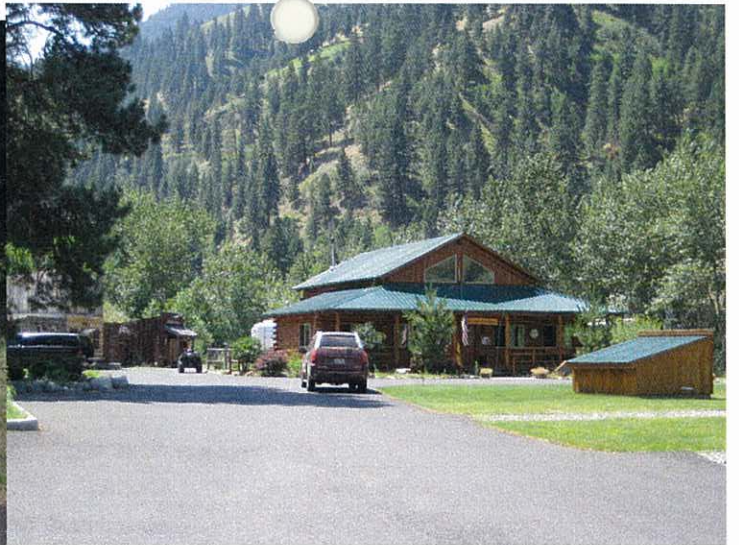


Photo 6: Office-picture taken facing SW direction

Photo 7*: Laundry facilities



Photo 8*: Shower and restrooms



* These photos were taken from Canyon Pines RV Resorts Website www.canyonpinesrv.com



Photo ⁹8 and ¹⁰9: Diversion works that pump the water from the 10,000 gallon holding tank to the park and buildings.