

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-12489

Exam Date: 4/9/2012

Examiner: Vicky Music

Sr. Water Resource

Agent

1. Current Owner: ZIDEC LLC
15702 RIVERSIDE RD
CALDWELL ID 83605
(208) 454-8329
2. Accompanied by: George Nourse
Phone No: **SAME AS ABOVE**
Address: **SAME AS ABOVE**
Relationship to Permit Holder: **SAME – NOW IN COMPANY NAME**
3. **SOURCE** **TRIBUTARY**
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
CANYON County

SW1/4NE1/4

Sec. 17, Twp 03N, Rge 03W, B.M.

Method of Determination: **GPS**

2. PLACE OF USE: COMMERCIAL

[illegible]

Method of Determination:

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

<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No.</u>	<u>Discharge Size</u>
6" well	Bekeley	1.5	not available	Grundfos	25515-9 9933	35 gpm

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

D. FLOW MEASUREMENTS

1.

Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
not applicable						

2. Measurements: **NO MEASUREMENTS TAKEN****E. FLOW CALCULATIONS** _____ Additional Computation Sheets Attached

Measured Method:

METHOD 1 – Domestic chart for 45 mobile homes = 0.33 cfs.

METHOD 2 – pump rated at 35 gpm per pump company. $35/448.8 = 0.078$ cfs = 0.08 cfsMETHOD 3 – THEORETICAL FLOW CALCULATION: Hp and pumping level per Burgess Pump when pump was replaced. $[8.8] [1.5 \text{ hp pump}] [0.7 \text{ efficiency}] / 65 + [2.31] [30 \text{ psi}] = 9.24 / 134.3 = 0.07$ cfs .**F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation: **not applicable**

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

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

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

2. Volume Calculations for Other Uses:

$$V_{dr} = [\text{Diversion Rate (cfs)}] \times (\text{Days in permitted season}) \times 1.9835 = 0.08 \times 365 \times 1.983 = 57.9 \text{ afa}$$

$$V_r =$$

INTERNAL DOMESTIC per domestic use table – [0.6 afa] [45 mobile homes] = 27 afa

IRRIGATION – LANDSCAPING per IDWR standard of 4.5 afa/acre = [0.01 ac lawn] [45] = 0.45 acre total irrigation rounded to 0.5 acre [4.5 af/ac] = 2.3 afa

LAUNDROMAT using IDWR references of 30 to 50 gallons per load – estimated 10 loads / day at 50 gallons because the result is small = [500 gpd] [365 days/ year] / 325850 = 0.56 afa rounded to 0.6 afa.

$$V = \text{Smaller of } V_{R.} \text{ and } V_{D.R.} = 30 \text{ afa}$$

TOTAL VOLUME :

INTERNAL DOMESTIC	27
IRRIGATION	2.3
LAUDROMAT	<u>0.6</u>
TOTAL VOLUME FOR COMMERCIAL	29.9 afa rounded up to 30 afa

G. NARRATIVE/REMARKS/COMMENTS

The proof of beneficial use was timely filed and the correct fee paid. The permit is in the name of George Nourse but the ArcMap taxlot information states the property is owned by Zidec LLC. The Nourses stated that they are the owners of Zidec LLC and they want to change the ownership of the RV park to the LLC. They provided me with deeds conveying the property into the LLC. I did not have an assignment of permit but sent them the form and received it back with the fee.

The permit was for a 67 lot RV park, restaurant, laundromat and landscaping. The number of tenants and length of stay changes as is typical of an RV park. On the day of the exam, there were about 25-30 travel trailers and RVs present and 15 spaces unoccupied for a total of 45 RV spaces. Of the unoccupied spaces, 13 were in the southeast portion of the park used for storage. However, the plumbing and utilities for the 13 lots are stubbed in.

The restaurant is no longer operational and is used as the owners recording studio. There is a bathroom and sink in the studio. There is a mobile home near the studios that is currently the owners residence. In the center of the park is a small laundromat with 4 washing machines. Each lot has a small yard and about 0.01 acre irrigated lawn for a total of 0.5 [for 45 spaces] irrigated acres.

The 6-inch well used for all of these uses was drilled in 1975 for the Decoy Drive-in. IDWR has the well log in its files. The owner had the pump information from the pump company that installed it. The pump was replaced in 1999 with a Grundfos 1.5 hp rated for 35 gpm and a Berkeley motor. The pump was set at 100 feet below ground level [bgl] and the pumping water level was 65 feet bgl. Motor specs were not available. The well water is pumped into a small shed via 1 inch and 1.5 inch PVC pipes. From there it appears the domestic water for the trailers is diverted to a pressure tank, then to the trailers, mobile home, laundromat and irrigation via a 2 inch PVC pipe. A separate 1 inch pipe delivers water to the studio.

This configuration will change in the next few months because the water has slightly high arsenic levels and IDEQ is requiring a water treatment system.

A second well was drilled in 1996 but never used. The well log is in the name of the permittee, George Nourse, but the log has the wrong QQ on it. The irrigation well will be hooked up to the sprinkler irrigation system in the next few months when the domestic water system is upgraded. The sprinkler system is in place. I informed the Nourses they

could apply for a transfer to add a point of diversion when it was operational.

The permit was issued for 0.28 cfs. The domestic chart states that a diversion rate of 0.33 cfs is the standard for 45 mobile homes. The theoretical flow calculation yields a rate of 0.07 cfs. When the pump was replaced in 1999, the pump company information states the pump is rated at 35 gpm which converts to 0.08 cfs. I recommend the license be issued for 0.08 cfs and 30 afa. See the calculations on the next page.

All of the permit requirements have been met. The commercial use condition will be abbreviated to "Commercial use is for the Decoy RV Park".

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	0.08 CFS	30 AF
	<u>Totals:</u>	0.08 CFS	30 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 Wendy White Date 5-10-12

Reviewer [Signature] Date _____

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RATE &/OR STORAGE RECOMMENDED FOR LICENSING

LESSER OF FOUR CHOICES

1) Permit amount 0.28 cfs &/or _____ af storage

2) Beneficial use limit 0.31 cfs &/or _____ af storage
Domestic Chart

3) System measurement 0.02 cfs &/or _____ af storage
theoretical

4) Proof fee amount 100.00 cfs &/or _____ af storage

Recommended Amount 0.02 cfs &/or _____ af storage

NOTES

1) Can never exceed permit amount.

2) Beneficial use limits are recognized standards: 0.03 cfs for up to 5 acres, 0.02 cfs beyond 5 acres, stockwater chart, in-house domestic chart etc. Some exceptions acceptable if already approved in permit: excessive rate for parks etc.

3) System measurement can be actual measurement reflecting typical operations or theoretical measurement or some combination of both if actual measurement does not reflect true capacity of system based on other supporting information. Be cautious about using just theoretical measurement to limit the amount of water.

4) Confirm correct proof fee was paid. See "wr field exams/proof fees-2 schedules" for pre 11/1/1991 schedule and for on/after 11/1/1991 schedule.

If permit includes rate of flow and storage, fee is the greater amount for those two categories. Example with current filing fees:

1.0 cfs = \$100

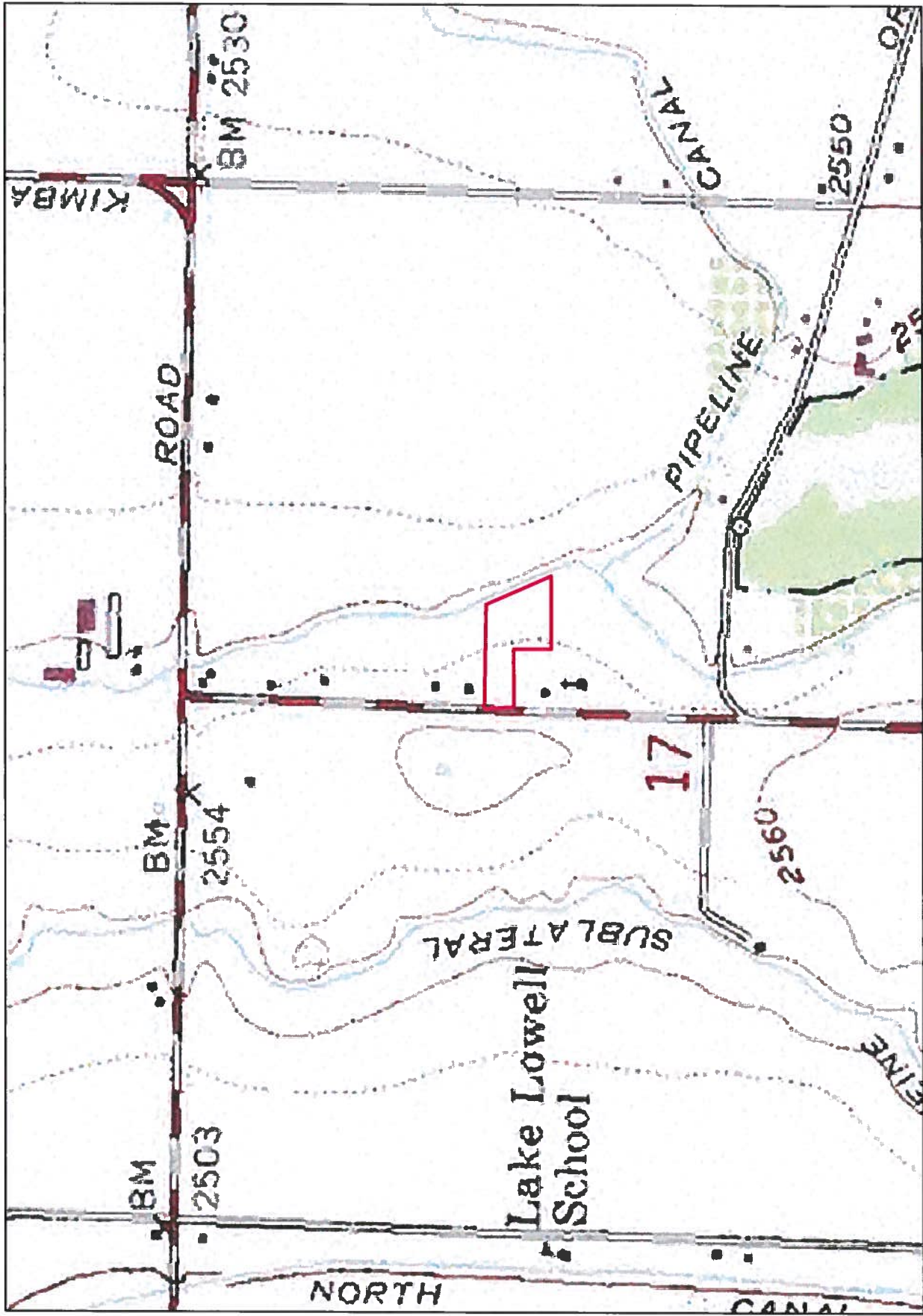
15 af = \$50

required fee = \$100

If proof paid amount is the limiting factor for recommended flow/storage, confirm this was addressed in proof process but owner declined to pay more. If cannot confirm owner was provided a chance to pay correct fee, use 30-day letter for last chance to pay. Without additional payment, allow maximum rate/storage per fee paid.



63-12489 -- The Decoy RV Park



63-12489 - DECOY RV PARK



Looking east into the Decoy RV Park. The former Decoy Inn Restaurant, now a recording studio, seen left mid- photo. The owners' trailer is seen east of the studio.



The 6" well drilled in 1975 for the Decoy Inn Drive-In. Used for internal domestic for RVs, irrigation of the 0.009 acre yards + common area, the laudromat and the studio. Well is about 2' east of the large shed on the south property line



Interior of large shed
Well is plumbed inside
shed via two 1.5" PVC
pipe, then to the
pressure tank. There are
2 lines that exit the shed.
One pipes water to the
studio. The second line
delivers water to the
trailers, Laundromat and
irrigation. This
configuration will change
in the next few months
due to slightly high
arsenic levels in the
water & IDEQ
requirements .



Another view of piping
from well to tank, then
exits shed left of tank.
Shed is also used for
storage. Pressure gauge
does not measure
pressure from well.



Looking east .
Laudromat with 4
washers is building
in mid-right photo.



Irrigation well [not
used yet for irrigation]
drilled in 1998. IDEQ
required the park to
separate the domestic
water system.



The southeastern part of the park is used for storage but there are 13 RV spaces in the that are stubbed in as seen in these last two photos. 33 of the RV spaces are occupied + these 13 = 46 total RV lots.