

August 18, 2003

Ferrel W. Wood
3380 S 25th East
Idaho Falls, ID 83404

Re: Water Right Adjudication Claim(s) A25-12706

Dear Water User:

Idaho Department of Water Resources (IDWR) is reviewing claims to water rights in the Snake River Basin Adjudication in your area. Water Resources Field Services has been retained to do field inspections to aid the Department in making correct recommendations to the court. In the next weeks and months I will be contacting you to make an appointment to look at your diversion works and uses of water.

This claim is for the domestic water for a trailer court.

I look forward to helping make sure your water right recommendation is correct. Please contact me if there is a particular time that would be convenient for you. You may call in the evenings, or leave a message on the answering machine.

Sincerely,

Bryce A. Contor

February 26, 2004

General Comments

This property has been purchased by Richard Skidmore, 522-3309. Mr. Skidmore has a copy of the Notice of Change of ownership and an amended claim to adjust the diversion rate and volume.

Ownership

Richard Skidmore.

POD

GPS waypoint 19, 663,099 E 264,921 N IDTM. The legal description is correct.

POU

The legal description is correct.

Overlap

Domestic partially-decreed water right 25-12705 is also diverted from this well, and also has been purchased by Mr. Skidmore.

Conflict

None noted.

Priority

The domestic partial decree and the well log are dated 1952, and the claim for this water right is dated 1960. I presume that the difference in claim date reflects a later development of the trailer court. There is no direct evidence of the date

for the trailer court. I propose recommending the claimed date based on the well log in the claim file.

Quantity

The Field Examiner's Handbook suggests 0.12 cfs for in-home use for seven homes. There are seven lawn areas approximately 40 feet by 60 feet, or 0.4 acres. Using the standard rate of 0.03 cfs/acre for small parcels, the irrigation rate is 0.012 cfs, for a total of 0.132 cfs.

The claim indicates a 1-horsepower motor and the pump control lists 1 1/2 horsepower. The claim gives the well depth as 100 feet. While I was Mr. Skidmore he called Andrews Well Drilling, who had worked on the pump recently. He reported "100 feet" but it is unclear whether that was depth to water, depth of pump, or depth of well.

I gave the amended claim form to Mr. Skidmore before I calculated the theoretical capacity.

Using the formula

$$\text{GPM} = \text{Water HP} \times 3960 / \text{TDH}$$

With	Water HP	= 1.5 X 60% efficiency	= 0.9 water horsepower
	TDH	= 100 ft lift + (40 psi X 2.31)	= 192 feet

The theoretical rate is 18.5 gallons per minute, or about 0.04 cfs. However, the efficiency and water level could be higher than listed here. Even though the theoretical is a little short, since other claims less than 0.20 cfs are recommended without a theoretical calculation I propose recommending 0.132 based on the Field Examiner's Handbook recommendations for this water use.

The annual volume for irrigation should be 0.4 acres X 3.5 = 1.4 acre feet. Per the Field Examiner's Handbook the inside-home volume should be 7 X 0.6 = 4.2 acre feet, for a total of 5.6 acre feet per year.

Water Use

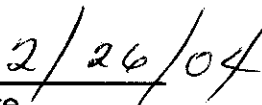
There are seven trailer homes with inside domestic use, plus 0.4 acres of irrigation. The claim lists overlapping canal shares but I didn't see any provision to use surface water on the lawns. I suspect the canal shares are for the adjoining farm field.

List of Photos

A25-12706_1.jpg	Pump motor control
A25-12706_2.jpg	Looking south southeast at pump pit. The brick home in the background is the POU for overlapping right 25-12705
A25-12706_3.jpg	Looking NE at part of POU from near the well location.
A25-12706_4.jpg	Looking NW at part of the POU from the same location.
A25-12706_FieldNotes.jpg	Field notes.



Bryce A. Contor



Date