

Daniel A. Schwalbe Inc
11422 E. 44th. Spokane, Wa. 99206 509-891-1281 fax: 891-1282

4-1-11
Idaho Dept Water Resources
2735 Airport Way
Boise, ID 83705
Att: County John Westra

**RE: IDWR Additional Information for Amended Application for Permit # 63-33298
& Vineyard Ranch Estates Subdivision located at 6014 Crest Rd. Caldwell, Id.
(Payette County):**

Owner: Daniel A. Schwalbe Inc
11422 E. 44th Ave.
Spokane, WA 99206
509-891-1281 fax: 509-891-1282
Contact: Dan Schwalbe (president and sole owner of DAS Inc)

LegalDescription: S.W. ¼ of Section 17 Township 6N. Range 3 West Boise
Meridian Payette County, Idaho.
N.E. ¼, N1/2 of S.E. ¼ in Section 18, Township 6N. Range 3 West Boise Meridian,
Payette County, Idaho.

Amended Application:

#4 "Domestic use has been removed"-okay
#5 "Total flow rate has been reduced to 2.44 cfs due to removal of 86 home domestic
use" okay
#6 Place of use acreage description correctly reflects the acreage per 40 acre tract with
the revised map" okay

Refer to attached signed and dated amended application form page 2.

Additional information requested:

1. **IDWR:** "Provide technical information and analysis relative to the project effect
on existing ground water rights/use in the area. Specifically the #1 Hansen
irrigation well (water right #65-13933) and 3 domestic wells shown within a 1
mile radius on my map"

Response: The Hansen irrigation well is a 12" well w/ 1800 -2500 gpm. The
static water is 205 ft. The Water Bearing Zone (WBR) is 250ft – 500 ft. The

Hansen well is approx 1mi north and 50 to 60 ft higher elevation. This new Schwalbe well will utilize approximately the same WBR, (250ft -450ft but with the high volume the Hansen well produces (1800-2500gpm), as well as the Frisby Irrigation well, 1800-3500 gpm approx ¼ mi south of proposed new well, the zone exhibits adequate capacity for this new Schwalbe well to share the same aquifer without effecting the volume of the nearby wells.

Hansen well # 15828 completed depth: 530ft, 1800 gpm, 205 static

The three other domestic wells w/in the 1 mi radius, including the Schwalbe domestic well, (3" casing with static water at 136 ft. and the well depth is 186ft. This is the typical WBR for the domestic wells (100ft -200ft), The new Schwalbe well will be 250-450 ft, well below the other domestic wells WBR so the impact on the domestic wells will be minimal.

1. Schwalbe domestic well: completed depth: 186ft, 50 gpm, 136 ft static
2. Frittbart well # D0009180 completed depth: 180ft, 75+ gpm, 95ft static
3. Choutchorou well # 63-96-w-0738-000 completed depth: 140ft, 75+ gpm, 63 ft static

2. **IDWR:** "Provide technical information and analysis on the sufficiency of the ground water source. Your application flow rate is 2.44 cfs which equals 1098 gal/min. Does the aquifer have sufficient capacity and sustainability?"

Response: Response 1 above describes the large volume capacity of the 2 irrigation wells (Hansen 1800-2500 gpm and Frisby 1800-3500 gpm). This indicates a large aquifer adequate to sustain another new Schwalbe well of similar expected volumes 1500-2500gpm.

2A. **IDWR:** "Provide water bearing zone for the proposed well. Your application proposes a 350 foot well, what will be the approx. depth zone (feet) where water is available? Example 250 to 350 ft."

Response: The Schwalbe domestic well located within 100 yards of new Schwalbe well has static water at 136 ft and completed well at 186ft. The approximate water bearing zone for the higher capacity Schwalbe irrigation well is 250 -450 ft and that is where the intake screens will be located.

(Irrigation system description -not requested)

Agricultural Irrigation System utilizing new IDWR Water Rights;

The new agriculture irrigation system will consist of (2) circle pivots at 25 acres each. One Pivot is positioned on the NE upper corner of property and the 2nd pivot is positioned SE lower corner. In addition the upper middle bench, (center of eastern property line), will have a 10 acre wheel line. Total is 60 acres. The remaining 84 acre balance of the 144 water acre is to be placed in a

drip system on the diagonal sloped portion of the property that is continuous from NW corner to SE corner of the property. This sloped ground will be used for orchards and or vineyards that will drip irrigate all areas remaining acres outside pivot and wheel lines. (Refer to revised irrigation map.)

The flow requirements for the two pivots and wheel line for normal applications-700GPM. Power Requirements-10-12 Horsepower for pivot power-Well horsepower will depend on pump location/pumping depth. i.e. 250' pumping depth and providing 70# of surface pressure with a 75% efficient pump would require a 100HP motor. This would be a part of the question regarding typical pumping depths in the area. Pivots typically require lower operating pressures than wheel lines. The pump and power requirements will be increased if required.

3. **IDWR;**” Provide ownership information relative to good faith. As discussed in my previous letter, the application shows Daniel A. Schwalbe as the applicant, the Payette County tax records list property ownership as Daniel A. Schwalbe Inc. Provide an explanation/ information that you have a possessory interest in the entity Daniel A. Schwalbe Inc as listed on the tax record.”

Response: Daniel A Schwalbe Inc. is owner of record on the deed for Sand Hollow Farm at 2015 Crest Rd in Caldwell, ID. I, (Daniel A. Schwalbe), am the sole shareholder and president of Daniel A. Schwalbe Inc. and there are no other officers.

Please contact me if any additional information is required.
Thank you,

Dan Schwalbe

Daniel A. Schwalbe Inc.
Architect
11422 E. 44th Spokane, WA 99206
509-891-1281 direct