

A25-04312 Summary 8/23/03

1) Ownership: New owner is

Howard Taylor & Sons
PO Box 51780
Idaho Falls
208 522 7770

Owner Kent Taylor has Δ ownership form.

2) POU and POD appear to be correct

GPS location 654, 945 E 260,362 N

GPS file 10. 4312

North distance may be off +/- 20 meters
(well is inside basement, from outside
the building it may be hard to tell
where it is).

4) Priority date seems reasonable, see affidavit.

5) ^{claimed} 1 CFS is slightly higher than theoretical
w/ claimed pump & higher than current
pump. However claimed cfs is not
unreasonable

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6) Volume: Assume fresh-pack operation was 6 months $\times$ 5 days/week $\times$ 12 hrs = 1440 hrs

assume claimed 0.10 cfs @ 50% of the time

$$1440 \text{ hrs} \times 3600 \text{ seconds/hr} \times 0.10 \frac{\text{ft}^3}{\text{s}} \times 0.50 \\ = 259,200 \text{ ft}^3 = 6.0 \text{ acre feet}$$

assume theoretical 0.06 cfs @ 90% of the time

$$1440 \text{ hrs} \times 3600 \text{ seconds/hr} \times 0.06 \frac{\text{ft}^3}{\text{s}} \times 0.9 \\ = 272,160 \text{ ft}^3 = 6.25 \text{ acre ft}$$

7) Photos - well controller, well.

8) Comment: Owner has questions re: cfs rate. See copy of letter.

Byrce A. Couton

August 23, 2003

Kent Taylor
Howard Taylor and Sons
PO Box 51780
Idaho Falls ID 83402

Re: CFS rate of claim A25-04312

Dear Mr. Taylor:

Thank you for arranging for me to look at the well at the old Heyrend fresh pack shed. When we visited, you expressed concerns about the diversion rate of 0.10 on the claim.

The controller on the current pump indicates the pump is only a one horsepower pump, but the claim indicates originally the pump was a three horsepower. Theoretical calculations indicate that the current capacity of the pump is about 0.02 cfs and the original capacity was about 0.06. It is likely that the claimed diversion rate is not unreasonable. It is adequate for the current use at the facility.

If you are able to document a different diversion rate, please contact Michael Holliday at Idaho Department of Water Resources. He can help you amend the claim and include the documentation for verification. Another option, if you later need more water at the facility, is to transfer another water right to that well.

I'm sorry that I wasn't able to find any evidence to support a higher diversion rate. Please call me if you have questions.

Sincerely,

Bryce A. Contor

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A25-04312

Theoretical Calculation - current well pump

1) Total dynamic head

lift 160 feet from reasonably
near-by Pencraft Products well

drawdown negligible for small Q

friction 10 feet

discharge $40 \text{ psi} \times 2.31 = 92.4 \text{ feet}$

$\Sigma = \cancel{263} \text{ feet}$

2) Nameplate horsepower = 1 hp

3) Water HP = motor hp $\times$ efficiency
 $= 1 \times 0.60 = 0.60$

4) $\text{GPM} = \frac{\text{Water HP} \times 3960}{\text{TDM}} = \frac{0.60 \times 3960}{\cancel{263}}$
 $= \cancel{9.8} \text{ gpm}$
 $= 0.02 \text{ cfs}$

Theoretical calculation original well pump
per claim, original well pump was 3hp.
Original Q $\approx 3 \times 0.02 \text{ cfs} = 0.06 \text{ cfs}$

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A25-13250 / A31-04312 8/22/03

Current Owner Howard Taylor & Sons
Mr. Taylor (Kent) has a
address forms. P.O. Box 51780 IF
522-7770

~~Photo 1) 2) 3) nameplate - A25-13250 well,~~

~~Nameplate - (10 hp. on motor controller)
A2B type BCT 1~~

~~GPS / 654,846 E 260,215 N Waypoint 13250~~

Franklin
Eleen
in Heyrend (4312) 280-1084915 1 hp.
230 V.

GPS estimated @ 15' East of well Waypoint 4312
654,940 E 260,362 N
654,945 E 260,362 N corrected

George Heyrend Contact log 523-1277

8/19/03 8:45 AM - disconnected -
- nothing in phone book -

August 18, 2003

George Heyrend
165 West 16th Street
Idaho Falls, ID 83401

Re: Water Right Adjudication Claim(s) A25-04312

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.

If possible, I would like to include in the file a copy of the agreement with Union Pacific Railroad that describes the land lease for the well on railroad property.

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

