

9/25/2003

25-12178

Met with Brent Call. Brent said they had not processed potatoes there for 3 or 4 years. The secretary told me a few days earlier that it had not run in about 10 years.

Brent said there are 2 sand point wells, one in each end of the building. The water level is about 5 feet. One well is for culinary use for up to 35 employees. The 3HP pump is for potato wash.

Q estimated as follows:

$$Q = \frac{3 \text{ HP} \times 8.814 \times 0.60}{5' + (2.31 \times 45) + 10'} = 0.13 \text{ gpm}$$

Brent said operating pressure ranged from 30-60 psi. When operating, the process runs from Nov thru July for 40 hrs/wk. The rest of the year is simply culinary use for 3 or 4 employees.

P/D south well N 293070
132 E 660926

north well N 293101
133 E 660931

VOLUME CALC.

$$25 \text{ GPD} \times 35 \text{ EMPLOYEES} \times 195 \text{ DAYS} = 170625$$

$$25 \text{ GPD} \times 4 \text{ EMPLOYEES} \times 65 \text{ DAYS} = 6500$$

$$\underline{177125 \text{ GAL}}$$

$$39 \text{ WKS} \times 40 \text{ HRS/WK} @ 0.06 \text{ CFS} = \underline{7.74 \text{ AF}}$$

$$\underline{\underline{8.3 \text{ AFA}}}$$