

MEMO

TO: 37-8705

FROM: Cherie Palmer

DATE: April 4, 2013

RE: Diversion Rate

The permit holder submitted evidence that a 300 hp pump was installed during the development of this permit. The information is not sufficient and this right will be licensed using the measurement that Corbin conducted in 2001. The documentation that Mr. Shaw submitted, located within the file, does not provide evidence of a 300 hp for the following reasons:

- December 12, 2008--statement from Max Auker who installed the pump and motor: Max states that the pump was set up to pump 7 cfs in 1989-1990. However, the well was not installed until 1991. Additionally, Max never states that the well contained a 300 hp pump.
- The pump curve that was attached to Max's statement cannot provide for 7 cfs. The performance curve tops out at 6.2 cfs. Additionally, the curve states that there are 6 stages. The next piece of evidence in the file, or the invoice, supports that 6 bowls/bearings were purchased. The total head for this well is ~265' to 292'. Using the curve, there is no way you can get to a 300 hp pump. You can get to a 200-240 hp pump if there were 4 stages on the pump given the total head.
- The work order from Layne Pumps Inc., dated 6/2/1993, shows that the work is for a 300 hp Layne deep well. Mr. Shaw has several wells. The work order does not indicate which well the work is associated with.

It appears that all the evidence that Hubert submitted is for a different well. There is no way you can have 6 stages for the subject well and the pump that Max references in his letter is from the wrong timeline.

I further base my decision to limit the capacity of this system to Corbin's measurement because:

- Mr. Shaw states that he had installed a 200 hp pump on his proof statement
- Corbin Knowles found a 200 hp pump during his measurement in 2001.
- Corbin Knowles secured a solid measurement. All of the parameters were within ideal ranges.
- There is no evidence of a 300 hp pump in connection with this right