

Memo

To: Craig Saxton

From: Corbin Knowles

Date: August 5, 2010

RE: Paul Daines Water right 11-7151

On July 30, 2010 I met with Paul Daines, Clark Daines and Brad Woolstienhulm to conduct a licensing exam measurement on two wells associated with the above referenced water right. At Daines' request IDWR did not complete the measurements to determine the rate of flow from the wells due to information about well production that was provided by the operator of the farm Brad Woolstienhulm. According to Brad the wells during the months of May and June will run approximately a third to one half more of the system than can be run during the later months of the summer. Clark Daines would prefer the measurements be completed during the month of May to determine peak discharge.

The northern well under this right was started up and four wheel lines to the north were turned on but never did pressure up. It was later determined that the southern well was not running at the time and the valve that is used to isolate the two wells was not shut and most of the water running from the northern well was just running back down the southern well column. I did take a spot measurement during the visit on the northern well and determined it to be running approximately 800 gpm at about 18 psi. According to both Clark Daines and Brad Woolstienhulm the southern well is the better producing well. Per Brad both wells pumps and motors were repaired during the fall of 2008.

Based on the measurements I have reviewed and seen I do believe the rate of flow originally developed may not be attainable due to changes in the system. I also believe that a higher rate of flow than was measured in 2000 should be allowed based on the number of irrigated acres and types of crops being grown. Most of the acreage was in alfalfa hay with some of the acres planted to spring wheat. I would recommend that the rate of flow on the water right be determined by physical measurement based on my field visit and information gathered during this meeting.