

March 29, 2006
Carter Pritzley
State of Idaho
Department of Water Resources
Phone (208) 287-4917
Fax (208) 287-5788

Dear Mr. Pritzley:

Thank you for assisting me with my irrigation water right objection subcase no. 85-0445 scheduled for conference on April 11, 2006 at 11:00 AM MDT. Below is data regarding the irrigation system:

Pump Data:
Motor 5 Hp
Lift 11ft
Line Pressure 35 psi
Total Head 40 psi
GPM Range 140 to 160 gpm
CFS Range 0.312 to 0.357 CFS

Sprinkler Data:		Flow @ 35 psi
Small Nozzle	1/8 inch	2.7 gpm
Large Nozzle	13/64 inch	7.08 gpm
Per head		9.78 gpm
Heads per Line	20 max	196 gpm
	or	0.438 cfs

I run one line at a time with a maximum flow of 0.438 cfs. During hot weather the irrigation system is marginal and sometimes is not able to keep up with optimum irrigation needs.

The water right (wr) is for 0.5 cfs. I am asking for the wr flow quantity to remain @ 0.5 cfs. The pump is over 20 yrs old and will probably need replacement within ten years. When the pump is replaced it will probably be upgraded to the next larger size (7.5 Hp) in order to do a more adequate job of irrigating.

There does not appear to be any person or group contesting this water right.

I look forward to hearing from you.

Sincerely,


Pat Kerby

KERBY ENGINEERING
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