# Adamson Pump & Drilling, Inc.

Pumps • *Dave Adamson* • Wells

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JUN 13 2016
WATER RESOURCES
WESTERN REGION


June 9, 2016

Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705
Re: Proposed Creation of a West Ada Area of Drilling Concern
Attn: Tom Neece

Dear Mr. Neece,

This area is huge. The City of Meridian is trying to protect their water at the expense of others which is not necessary.

We as well drillers have been around for just as many years as the City has and have gotten water for hundreds and hundreds of families.

I wanted to point out a couple of facts I believe to be true that the Department doesn't understand and the hydrologist because they don't stay on the job from start to finish with hundreds of wells like we do.

The reason in this area that we have to install sand screens is because the area between the clay layers if filled with sand. This sand is like quicksand and will heave up to the casing and can sometimes shut off the water supply. It has been such a problem that you people even altered the rules to require the wells to produce only a certain amount of sand, remember??

Many people "think" if you evacuate a lot of sand in the area they want to get water from, that it will stop the sand. That is sad because the sand just fills in and comes back. This is generally the case.

It is a fact that as we drive casing through these sand layers and then through the next clay layer, that the casing gets stuck. Sometimes you can pull it back, most times you can't. You can't tell me that area stays open – speaking of the annular space.

Here is another fact that the Department and hydrologist are not aware of. Sometimes in between two clay layers, the sand doesn't completely fill to the top, this leaves a space between the bottom of the clay and the top of the sand. It is a great place to get a volume of water, however a sand screen has to be buried in the sand to be effective. This is naturally occurring. Here is the problem. You think the drillers have caused this which is not true. You and the hydrologist want to fill this area up full of cement. Can you imagine how much material this area could take and the area the cement could spread over?? When Ed looks out through

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perforations and sees open areas, it is not caused by air drillers! I suppose the natural tendency would be to blame somebody else.

Here is the other fact that needs to be brought up. It was said in our meeting that during drilling there is area bigger than the casing in the gravel caused by air drillers which is true. These areas are in the surface gravels caused because the gravels are caving and very hard to chew into finer pieces and spit out which causes slower drilling. It is terrible on bits, expensive bits by the way. These areas are near the surface and are filled with Bentonite at well's end. It does not indicate big open areas deeper in finer formations!

It is true air rigs have the capability to suck out truck loads of sand out of a formation. That does not mean the drillers do it, that would be stupid and nonprofitable.

Here is the other thing that bothers me and I'm sure it would bother hundreds of other people. When people buy a lot and find out they have to drill a mud hole for two to three times the cost, they will be discouraged from buying or drilling. Now they could hook up to the City, maybe. Now the City gets another hook up and charges them. Now the department does not get as many permit monies. How are they going to fund their people?

Not all the well drillers can drill with mud – you know how that is going to affect those people! What happens when the air driller starts a well thinking he can do it in less than 200 feet, then finds out he can't because of the formations – then what? Who pays?

It seems that the City should make this area smaller and shoot for a 350 ft. depth instead of 200'. What they are asking for is ridiculous and self-centered. Actually I would not approve it.

Sincerely,

Dave Adamson