

# case study

## LAKOS Pump Protection Keeps Impellers Sand Free in Refurbished Well

Florence, Arizona

<b>System:</b>	Agricultural Water Supply
<b>Solids:</b>	Sand, Silt, Dirt, Stone, Other Organic Material from Well
<b>Liquid:</b>	Agricultural Water Supply From Well
<b>Problem/Challenge:</b>	Keeping Sand Out Of The Water Supply
<b>Solution:</b>	LAKOS PPS Units

With not enough water to keep their fields adequately irrigated, The Hay Barn in Florence, Arizona decided to refurbish two 12 year-old wells to supplement their water allotment. “We didn’t have nearly enough water to keep our farm going so we got two of our old wells running again.” says Daniel Guerra, manager of The Hay Barn.

Just three months after installation, a sudden infiltration of sand destroyed one of the pumps overnight. The exact same thing happened to the other pump just a few months later.

Still in need of the additional water, The Hay Barn bought another set of pumps and motors. They also installed LAKOS Pump Protection Separators to guard their investment, fearing further costly sand damage.



“Getting both wells running again was expensive. We didn’t want to put any more money into another pump without knowing it would last.” says Guerra.

The two wells have provided The Hay Barn with the extra needed water for their crop. Both of the pumps have been running for four years, neither of which has shown any sign of sand wear whatsoever.

(Pictured Above) Water flows into irrigation ditch at 1,500gpm with a LAKOS PPS Series Separator protecting its impellers.

(At Left) Daniel Guerra, standing next to his well with a LAKOS Pump Protection Separator.

**LAKOS**  
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