

## Final Project Completion Report

**Project Name and Number:**                    **Deep Well #6 Well Improvements, #4213**

**Description:** Southwest Groundwater Deep Well #6 was constructed to extract sulfate contaminated water from past mining operations. This well has the highest corrosivity of any of the Southwest Groundwater wells, which has created problems with the well equipment. The project provided an improved well-shaft lubrication system, new column pipe, and new marine bearings to provide longer life to the equipment. This project also included well re-development to restore well capacity.

**District Project Manager:** **David McLean**

<b>Engineer: CRS Engineers</b>	<b>Design Status: 100%</b>
Original Engineering Contract Amount:	\$15,500
Final Engineering Contract Amount:	\$46,400

<b>Contractor: Nickerson Company</b>	<b>Construction Status: 100%</b>
Original construction contract amount:	\$288,749
Total Change Order amount:	\$62,230
Final construction contract amount:	\$350,979
Total change orders as a percentage of original contract:	21.6%
Completion Schedule:	
Notice to Proceed:	March 9, 2022
Final Completion:	November 7, 2022

<b>Summary of Change Orders:</b>		<b>Amount</b>
	<b>Description</b>	
1	Provide well strainer and stainless steel price offset	\$19,979
2	Provide additional well development	\$41,400
3	Provide centralizers for well column pipe	\$851
	Total Change Order Amount:	\$62,230

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Stainless Steel pump and original well column removed from well showing corrosion



Remanufactured stainless steel column piping at fabricator



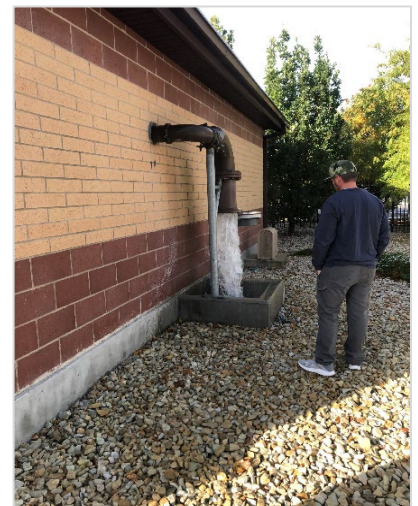
Well Re-development



Well sand production during re-development



Pump Re-installation



Well operational at project completion