

Final Project Completion Report

Project Name and Number: **1590 East Well Development, #4281**

Description: The 1590 East well experienced several problems during its most recent operation including turbidity spiking and overheating. In addition, a recent well condition analysis indicated this well was due for redevelopment. The motor has already been removed for repairs. While the motor repairs occurred, this project removed and inspected the pump, chemically and mechanically redeveloped this well to help boost future performance, and replaced the pump and column pipe.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen, and Luce	Design Status: 100%
Original Engineering Contract Amount:	\$13,600
Final Engineering Contract Amount:	\$13,600

Contractor: Widdison Well	Construction Status: 100%
Original construction contract amount:	\$289,700
Total Change Order amount:	\$130,763
Final construction contract amount:	\$420,463
Total change orders as a percentage of original contract:	45.1%
Completion Schedule:	
Notice to Proceed:	5/8/2023
Final Completion:	4/25/2024

Summary of Change Orders to the Construction Contract:		Amount
	Description	
1	Add 10 hours to brush and bail the well	\$5,500
2	Add 20 hours to well development work	\$12,000
3	Replace well pump, column, and shaft and refurbish the discharge head	\$129,739
4	Project time extension due to pump manufacturer delays	\$0
5	Final adjustment for unused services	-\$16,476
Total Change Order Amount:		\$130,763

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Condition of removed pump and column



Pitting observed on old pump



Brushing the well shaft



Taking video of well after development



Installing new column pipe in well



Reassembled pump operating