## **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 occured, 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            |

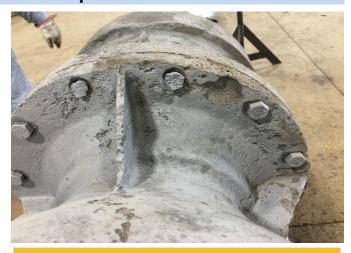
| Contractor: Widdison Well                                 | Construction Status: 100% |
|---|---------------------------|
| Original construction contract amount:                    | \$289,700                 |
| Total Change Order amount:                                | \$130,763                 |
| 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: |   |           |
|--|---|-----------|
|  | Description   | Amount    |
| 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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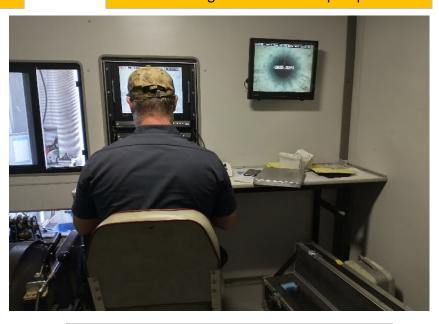
Condition of removed pump and column



Pitting observed on old pump



Brushing the well shaft



Taking video of well after development



Installing new column pipe in well



Reassembled pump operating