



**PONCHA SPRINGS
COLORADO**
Crossroads of the Rockies

FINAL REPORT

WSRF GRANT- POGG1 2018-918

PROJECT SUMMARY

| REPORT DATE | PROJECT NAME | PREPARED BY |
|---------------|---|---|
| June 21, 2021 | Poncha Springs Water Infrastructure Improvement Project- Well development Project | Gracy Goodwin Project Manager |
| | Grantee- Town of Poncha Springs | Brian Berger Town Administrator/Treasurer/Clerk |

STATUS SUMMARY

It has been a long road to get here, but the entire Poncha Springs Water Infrastructure Improvement Project is reaching completion. The 2 wells drilled in connection with this grant have been completed. When first applying for funding through the CWCB it was proposed to drill two new high production wells. At the time smaller 6-8" wells were considered for the project; however, following the construction and testing of a monitoring well it was decided to upsize the well casings to 10" to get full capacity out of the wells. This substantially increased the cost but allows for adequately sized pumps to be installed to produce the quantities available. The first well, Well #6, was drilled in 2018 to a depth of 200' and was brought online in 2019 following the construction of a 400,000 gallon storage tank and treatment facility in the pedestal of the tank.

Following the completion of "phase 1" the Town turned its efforts to constructing the second high production well, Well 7. The location was identified at an adequate distance from Well 6 so they do not interfere with each other and a reasonable distance from the tank to utilize the newly constructed treatment facility. A monitoring well was drilled to ensure there was water at the chosen location and following confirmation of adequate quantity it was decided to move forward with a 10" well to a depth of 300'. This well was drilled in December 2020 followed by a 72-hour pump test, water quality gauntlet, and pump installation in early 2021. Finally, a raw water line was ran from the well to the treatment facility with interior piping and electrical & controls integrating the well into the system. All said and done the project helped increase the Town's distribution capacity to meet peak day demand and incorporate redundancies into the system allowing for any one well to be down for repairs and maintenance while still meeting demand. The contribution from CWCB, the Arkansas Basin Roundtable, and UAWCD helped make this project come to fruition after it was first conceptualized in 2016. These contributions are greatly appreciated by the Town of Poncha Springs.

PROJECT OVERVIEW

| Task | % Complete | Funding Source | Notes |
|-----------------------------|-------------|-------------------------|------------------|
| A-Well Drilling and Casing | 100% | WSRF/ Cost Share | Completed |
| B- Johnson Screen | 100% | WSRF/ Cost Share | Completed |
| C- Well Pump and Controller | 100% | WSRF/ Cost Share | Completed |
| D- Water Quality Testing | 100% | WSRF | Completed |
| E- Grant Administration | 100% | Cost Share | Completed |
| Total Project | 100% | WSRF/ Cost Share | Completed |

BUDGET OVERVIEW -WSRF ONLY

Total WSRF Budget = \$ 64,500
Reimbursement #1 = \$ 64,500
WSRF Balance = \$ 0

CONCLUSIONS AND NEXT STEPS

- **Town of Poncha Springs**
 - The first well (#6) was drilled in 2018 at 200' and the treatment was designed to be housed in the pedestal of the elevated storage tank. The tank received Notice to Proceed May 30th, 2018 and has been completed.
 - Well #6 put into use within Poncha Springs system in 2019.
 - Well #7 was drilled at depth of 300' in 2020.
 - Well #7 pump installation and water testing got it onto the system in early 2021.
- **Upper Arkansas Water Conservancy District- Grant management**
 - This is the final report provided for the project.
 - Full reimbursement request for \$64,500 submitted June 2021.
 - Project photos included.

Thank you for your time and continued support of water projects in the Upper Arkansas Valley. Please contact Gracy Goodwin at (719) 539-5425 or Brian Berger (719)-539-6882 with any questions.

Sincerely,



Gracy Goodwin
UAWCD Project Manager

Well 7 Construction



Tank and Treatment Facility



Well #7



Well #6



Interior Piping



Electrical and Controls

