



# City of Prineville

## DEPARTMENT OF PLANNING & COMMUNITY DEVELOPMENT

### STAFF REPORT

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**Date:** February 28, 2011

**To:** Prineville City Council

**From:** Eric Klann, City Engineer

**Staff Report:** Intent to Award "2012 Prineville Airport Test Wells Construction Project"

On December 13, 2011 the City of Prineville (City) awarded a contract to Abbas Well Drilling for \$302,986.00 for the construction of two water wells referenced as the American Well and the Millican Road Well. \$400,000 was budgeted for this project. The American Well was to be initially drilled as a test well and then converted to a production well with all appurtenances if the results of the test well drilling were deemed satisfactory by the City. The Millican Road Well was to be an exploratory well used to gather data on the Airport aquifer.

The work on this project has recently been complete. While water was found at the American Well site, it was not produced in a confined aquifer. A confined aquifer typically has an impenetrable geologic layer between the surface and groundwater production zone. The City has decided to not convert this test well into a production well due to concerns related to the unconfined aquifer and the potential for future water quality degradation. The Millican Road Well was also complete with information being delivered on the bounds of the Airport aquifer. This well was test pumped at 350 gpm for 5 days with a very stable drawdown of the aquifer. \$173,602.88 of the \$302,986 contract was expended with the remainder of the contract being canceled via change order as the American Well was not converted to production.

The City would like to drill an additional test well near the Airport to further refine the Airport Groundwater Aquifer Study and to ensure the maximum potential of the next production well. Based upon the results of the test well, a second well may be drilled. The Engineer's estimate for the two test wells is \$200,000. Bids are scheduled to be opened on February 28, 2012 at 2:00 pm with the results being delivered to the Council for award at the regularly scheduled meeting that evening.

Please feel free to contact staff with any questions.