



APPLICATION FOR BENEFICIAL WATER USE PERMIT OR
APPLICATION TO CHANGE A WATER RIGHT
AQUIFER TESTING ADDENDUM
ARM 36.12.121

Complete this addendum if the source of water for a Beneficial Water Use Permit or Water Right Change application is groundwater. Check the box denoting the information is attached or data was collected following minimum testing procedures. On a separate document, address the required information. Attachments must be labeled as shown in the sections below (i.e., ATA.3.a).

Section 1. Attachments must make specific reference to the section item shown.

VARIANCE INFORMATION:

ATA.1.a [] The Applicant submitted a variance request per ARM 36.12.123 for a variance from the requirements of ARM 36.12.121 and has provided a copy of the written request.

Section 2. Attachments must make specific reference to the section item shown.

MINIMUM INFORMATION THAT MUST BE SUBMITTED WITH APPLICATIONS:

- ATA.2.a [] Provide a map with labeled location of production and observation wells.
ATA.2.b [] Provide well logs of production and observation wells.
ATA.2.c [] Provide Form No. 633, in electronic format, with all information and data provided.
ATA.2.d [] Provide a description of testing methods and quality of the aquifer test and data.

Section 3. Attachments must make specific reference to the section item shown.

MINIMUM TESTING PROCEDURES:

For any of the following, if the answer is "NO" or "NA", provide information explaining why on a separate attachment.

- ATA.3.a YES [] NO [] NA [] Pumping was maintained throughout the duration of the test and the rate did not depart from the average pumping rate by more than 5%.
ATA.3.b YES [] NO [] NA [] The average pumping rate is equal to or greater than the proposed flow rate if the application is for one well or if the total proposed rate for multiple wells can be obtained from a single well.
ATA.3.c YES [] NO [] NA [] The proposed pumping rate was demonstrated by testing multiple wells, and 3.e was met by one well and the remaining flow rate demonstrated by eight-hour drawdown and yield tests on additional production wells under 3.e.ii and 3.e.iii.
ATA.3.d YES [] NO [] NA [] The pumping rate was measured with a reliable measuring device and recorded with clock time according to the schedule on Form No. 633.



- ATA.3.e** YES NO NA The duration of pumping during an aquifer test was at least 24 hours for a proposed pumping rate and volume equal to or less than 150 gpm or 50 acre-feet, or at least 72 hours for a proposed pumping rate and volume greater than 150 gpm or 50 acre-feet.
- i. If a variance from 3.e was granted, at a minimum, eight-hour drawdown and yield tests were completed on all new production wells.
 - ii. In addition to 3.e, if more than one new production well is proposed, at a minimum, eight-hour drawdown and yield tests were completed on all subsequent new production wells.
 - iii. The testing procedures for a minimum eight-hour drawdown and yield test performed on any production well followed 3.a, 3.d, and 3.h.
- ATA.3.f** YES NO NA One or more observation wells were completed in the same source aquifer as the proposed production well and close enough to the production well so that drawdown is measurable and far enough away so that well hydraulics do not affect the observation well.
- ATA.3.g** YES NO NA Background groundwater levels in the production well and observation well(s) were monitored at frequent intervals for at least two days prior to beginning the aquifer test according to Form No. 633.
- ATA.3.h** YES NO NA Water levels in the production well and observation well(s) were reported with 0.01-foot precision according to the schedule specified on Form No. 633 (8-hour drawdown and yield test only need to provide water levels for drawdown; no background and recovery data are necessary).

