

Colorado Practice Documentation Requirements Checklist for 642 – Water well

Minimum documentation requirements for this practice are outlined below. Documentation for associated practices or system components shall follow the appropriate practice documentation requirements for those practices or components. Some items may not be applicable in all cases; mark "N/A" in the check box if such is the case.

Participant Name:	Address:
Project Name & Location:	

<input checked="" type="checkbox"/>	By:	Date:
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RESOURCE INVENTORY

Purpose and objectives of practice clearly identified.			
Required water quantity determined			
Suitability of site for intended use determined			
Geologic investigation and/or report, as required			
Documentation to ensure well head complies with well head protection requirements			
Required applicable permits (well installation, pumping, easements, etc) determined			
Location of utilities and power sources and consideration of alternative power sources.			
Right of way easements, utility clearances, SHPO clearance, and applicable State and Federal permits are obtained.			
Available water rights documentation on file			
NRCS-CPA-52, Env. Effects Worksheet, & CO-SSC-1, Cult. Res. Survey Form, completed.			
CO-ENG-13, Notice of Participant Responsibilities, has been reviewed with the cooperator, signed, and filed.			

DESIGN SURVEY

Generally not applicable in most cases (except for geologic survey)			

DESIGN

Engineering Job Class determined and noted			
Well depth, yield, & drawdown estimates			
Size, type, and strength of casing determined			
Need for filter pack around well screen determined			
Quantities and cost estimates determined			
Design computations have been checked by the appropriate person(s).			

PLANS AND SPECIFICATIONS

Where applicable, construction drawings drawn on appropriately-sized standard drawing sheets. Include standard drawings as appropriate. Drawings to include the following:			
Engineering Job Class			
Location map with legal description & north arrow			
Types and sizes/dimensions of all manufactured well components, such as casing and well screens			
Minimum extent of grouting required			
Quantities of sealing & fill materials, e.g., gravel pack, grout, bentonite, etc.			
Construction notes and General notes as required			
Note on drawings to call the Utility Notification Center of Colorado (UNCC), 8-1-1 or 1-800-922-1987, prior to any excavation.			
Construction specifications prepared (Colorado FOTG Practice Specifications or other).			
All engineering reports, designs, drawings, specifications, and related information have been reviewed and checked by appropriate personnel in accordance with current Colorado NRCS policy.			
Construction drawings and specifications have been approved and drawings signed			
O&M Plans prepared			
Plans, specifications, and O&M plans have been reviewed with the cooperater.			
Preconstruction meeting with cooperater and contractor.			

CONSTRUCTION LAYOUT SURVEYS (if performed by NRCS)

Stake or flag well location as required			

COMPLIANCE CHECKS & FINAL DOCUMENTATION

Name and license number of the well driller			
Copy of the well log submitted by the well driller to the State of Colorado or other documentation of the completed well, which includes such items as: log of hole, depth of well, length of casing and screen, results of well test, maximum drawdown, depth & quantity of gravel packing, depth and method of sealing the casing at the surface, well head protection requirements satisfied, etc.			
All permit requirements have been satisfied			
“As-Built” plans prepared and filed (Required if significant changes in design occur during construction and for Job Class V and above). If no significant changes, mark original plans “As-Built”			
Practice completion certified on CO-ENG-1, CO-ENG-12, or checkout notes.			
Progress reported.			