



Date Received Stamp

Well Permit No. _____
Well Completion Report (WCR) No. _____
Permit Stipulations (Monitoring and Reporting):

WELL CONSTRUCTION, DESTRUCTION, MINING, AND EXPORT APPLICATION/PERMIT
MERCED COUNTY CODE, CHAPTERS 9.27 and 9.28
Merced County Department of Public Health, Division of Environmental Health (MCDEH)
260 E 15th St., Merced, CA 95341 (209) 381-1100 fax (209) 384-1593 www.co.merced.ca.us
See User Guide for more information

ABOVE THIS LINE FOR OFFICIAL USE ONLY

Applicant/Property Owner Information

Owner, Legal Name if Corporation _____ Address/PO Box# _____ Street Name _____ City, State _____ Zip Code _____ Telephone # _____

Well Location Information

Well Location - Address, Street Name _____ City _____ (or nearest cross streets) _____

Assessor Parcel Number (APN) _____ Total Acreage _____ Subdivision Name _____ Lot # _____
Latitude: _____ (N), Longitude: _____ (W)

Lat./Long. Data Source _____
Land Surface Elevation _____ (ft, msl)
Land Surface Elevation Data Source _____

Number of Existing Wells on this APN _____ [one or more, complete Letter(s) of Intent]

Township _____ Range _____ Section _____
Groundwater Subbasin: Merced Turlock Delta- Mendota Chowchilla Other _____

Water Well Contractor Information

Licensed Water Well Contractor (C-57) Name _____ License # _____ Telephone # _____

C-57 Address/PO Box# _____ Street Name _____ City, State _____ Zip Code _____

COMPLETE AND ATTACH REQUIRED SCALED PLOT PLAN.

Exemption Classifications and Requests (Check all that apply. Completed indicated sections in addition to pages 1 and 2 of this application.)

- Public Agency 9.27.050 B(1) (Explain in attachment.) Domestic <= 2 AFY on a Parcel 9.27.050 B(3) (Complete Section A.) Replacement Well 9.27.050 B(2) (Complete Section B.)
 Back-up Well 9.27.050 B(2) (Complete Section B.) Dewatering 9.27.050 C(7) (Explain in an attachment.) Other (Explain.) _____
 Export Exemptions 9.27.050 C(1)-(6) (Explain in an attachment and complete Section D.) _____

Intended Use (Check all that apply.)

- Agricultural/Irrigation Test/Exploratory/Geotechnical Soil Boring Geothermal
 Domestic Private Vapor Extraction Cathodic Protection
 Industrial Monitoring Well Out of Service
 Municipal (public water supply) Export
 Test Well (temporary casing)
 Other (Explain.) _____

Land Subsidence Area

Known or estimated recent subsidence rate _____ (ft/yr)
Source and date of subsidence rate reference

Proposed Well Construction (Attach drawing providing detail, if available.)

- Reverse Rotary Cable Tool Hollow Stem Auger Rotary Sonic
 Hydro Punch Cone Penetration (CPT) Push
 Construction with Destruction
 Other (Explain.) _____

Well Casing Material _____
Well Casing Gauge _____
Well Casing Diameter _____ (in)
Well Casing Estimated Total Depth _____ (ft)
Depth to Corcoran Clay _____ (ft)
Conductor Casing Material _____
Conductor Casing Gauge _____
Conductor Casing Diameter _____ (in)
Conductor Casing Estimated Depth _____ (ft)
Annular Seal Estimated Depth _____ (ft)
Borehole Diameter _____ (in)
Screened Interval(s) _____ to _____ and _____ to _____ (ft, bgs)
Gravel Pack No Yes _____ to _____ and _____ to _____ (ft, bgs)
Maximum Estimated Instantaneous Flow _____ (gpm)
Anticipated Static Groundwater Elevation (Fall) _____ (ft, msl)
Special Methods/Other (Attach and explain.) _____

Existing Well (destructions/modifications only, if available)

- Destruction Reconstruction/Deepening
 Failed Well Water level too low
 Failed Well Other (Explain.) _____
 Other (Explain.) _____

Well Casing Material _____
Well Casing Gauge _____
Well Casing Diameter _____ (in)
Well Casing Estimated Total Depth _____ (ft)
Depth to Corcoran Clay _____ (ft)
Conductor Casing Material _____
Conductor Casing Gauge _____
Conductor Casing Diameter _____ (in)
Conductor Casing Depth _____ (ft)
Annular Seal Depth _____ (ft)
Borehole Diameter _____ (in)
Screened Interval(s) _____ to _____ and _____ to _____ (ft, bgs)
Gravel Pack No Yes _____ to _____ and _____ to _____ (ft, bgs)
Maximum Estimated Instantaneous Flow _____ (gpm)
Static Groundwater Elevation (Fall) _____ (ft, msl)
Special Methods/Other (Attach and explain.) _____

Pedestal Installed By Driller Pump Contractor Other _____
 Concrete Pedestal Dimension: Width _____(ft) Length _____(ft) Thickness _____(in) Christy Box Stove Pipe

Pump Installed By Driller Pump Contractor Other _____
 Submersible Turbine Other _____ HP _____ Pump Position _____(ft, bgs) Standing Water Level _____(ft, msl)
 Multiple pumps No Yes (Explain.) _____
 Submersible Turbine Other _____ HP _____ Pump Position _____(ft, bgs)
 Submersible Turbine Other _____ HP _____ Pump Position _____(ft, bgs)

Statements and Signatures - Water Well Drilling Contractors

I possess a C-57 license in full force and effect under the provisions of the Business and Professions Code, Chapter 9, Division 3 (commencing with Section 7000) and I hereby affirm, under penalty of perjury, the plot plan and all other information submitted with this application is accurate, true and representative of site conditions.

 Contractor Printed Name Contractor Signature Date

Statements and Signatures - Property Owners

California Environmental Quality Act (CEQA)

Work proposed in this application (Proposal) is not in a sensitive area, including but not limited to the following: Proposal is not located in a sensitive natural area including wetland, stream channel or other sensitive habitat, and would not require removal of trees or other sensitive native plants, Proposal is not located in an area that would adversely affect the significance of a historical resource, Proposal is not located on a hazardous waste site (i.e., site is not included on any list compiled pursuant to Section 65962.5 of the Government Code), and Proposal will not have a significant effect on the environment due to unusual circumstances.

Or
 Work proposed in this application is in a sensitive area (Explain.) _____

Indemnity and Hold Harmless Agreement

Applicant has the contracted duty (hereinafter "the duty") to indemnify, defend and hold harmless, County, its Board of Supervisors, commissions, officers, employees, agents and assigns (hereinafter "COUNTY") from and against any and all claims, petitions, demands, liability, judgments, awards, interest, attorney's fees, expert witness and consultant fees and other costs and expenses of whatsoever kind or nature, at any time arising out of or in any way connected with the performance of this Agreement, whether in tort, contract, writ of mandamus, or otherwise. This duty shall include, but not be limited to, claims, petitions, or the like for bodily injury, property damage, personal injury, contractual damages, writ of mandamus, or otherwise alleged to be caused to any person or entity including, but not limited to employees, agents, commissions, boards, and officers of Applicant. Applicant's liability for indemnity under this Agreement shall apply, regardless of fault, to any acts or omissions, willful misconduct, or negligent conduct of any kind, on the part of the Applicant, its employees, subcontractors, agents, and officers. The duty shall extend to any allegation or claim of liability, or petition, except in circumstances found by a jury or judge to be the sole and legal result of the willful misconduct of COUNTY. This duty shall arise at the first notice of filing a lawsuit, claim, petition, or allegation of liability against COUNTY. Applicant will on request and at its expense, defend any action suit or proceeding arising hereunder. This clause and shall not be limited to any claim, petition, demand, liability, judgment, award, interest, attorney's fees, expert or consultant witness fees, legal research fees, staff and administrative costs, administrative record costs, materials, and costs and expenses of whatsoever kind or nature, that may arise during the term of this Agreement, but shall also apply to all such claims and the like, after the term of this contract, including but not limited to actions arising from public interest, land use and environmental legal actions, brought against the COUNTY following PROJECT approval, modification, denial, or the exercise or exhaustion of administrative appeals. Attorney's fees shall include any and all attorneys fees but not be limited to attorney's fees and staff time incurred by the offices of COUNTY counsel. COUNTY shall have full discretion to select legal counsel of its own choosing to represent COUNTY, at a cost not exceeding the prevailing and reasonable rates for counsel practicing environmental and land use law in the State of California, or practicing any other area of law that the COUNTY determines the Claim may reasonably require. This clause for indemnification shall be interpreted to the broadest extent permitted by law.

I have read, agree and accept the County Indemnity and Hold Harmless Agreement:
 Property Owner Printed Name _____ Property Owner Signature _____ Date _____

There are no deed restrictions on this land that would prohibit this type of use or development. I (We) _____
 _____ depose and say that I am the property owner involved in this application and the forgoing statements and answers herein contained and the information herewith submitted are in all respects true and correct to the best of my knowledge and belief.

As property owner, I hereby grant permission to perform work as indicated by this application. A plot plan displaying each existing and proposed well will be included. An application involving a New Well, De Minimis Well, Back-up Well, Replacement of a Failed or Out of Service Well will be accompanied by a Letter of Intent, signed by myself, for each existing well. As owner, I agree to provide access to Merced County personnel for inspection purposes. Some monitoring and reporting may be required.

Signed _____
 Property Owner 1 Date Property Owner 2 Date

BELOW THIS LINE FOR OFFICIAL USE ONLY

MCDEH Staff Approval _____ Staff Approval Date _____ Expiration Date _____
 MCCEDD Staff Approval _____ Staff Approval Date _____ Expiration Date _____
 Certified Professional Approval _____ Certified Professional Approval Date _____

Fee Received \$ _____ Date Received _____ Invoice # _____ Check # _____

THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY ALL AUTHORIZED OFFICERS OR REPRESENTATIVES OF THE DELEGATED AUTHORITY; THIS PERMIT SHALL BE AVAILABLE AT THE SITE DURING ALL CONSTRUCTION, REPAIR, MODIFICATION, OR ABANDONMENT ACTIVITIES.

SECTION A **De Minimis Well Proposal** (Attach additional sheets as needed.)

Number of Dwelling Units Served By Wells _____ Landscaped Area _____ (vegetation type/acres, list)
 Hardscape Area _____ (acres) Vegetation/Crop A _____ (vegetation type/acres, list)
 Other Uses _____ (acre-feet/year)
 Alternative Water Sources Available No Yes (Explain; describe all sources and uses.)

SECTION B **Replacement** **Back-up Well Proposal** (Attach existing Well Completion Report, boring log, E-Log, and any pumping test data if available. Existing well must be destroyed under permit at the time the replacement well is placed in service if replacement well is proposed. Attach additional sheets as needed.)

Existing Well Location, Latitude _____ ° (N), Longitude _____ ° (W)
 Source of Lat./Long. Data _____
 Surrounding Land Elevation _____ (ft, msl) Source of Elevation Data _____ Distance from existing well to proposed well _____ (ft)
 Existing Well Static Groundwater Level (depth to water) Month/Year _____ Spring _____ (ft, bgs) or _____ (ft, msl) Fall _____ (ft, bgs) or _____ (ft, msl)
 Existing Well Permit/Identification Number _____ Anticipated Change in Land Use or Crop No Yes (Explain.) _____
 Describe the proposed Replacement or Back-up well intended use, agricultural/industrial (etc.), and water volumes. If a back-up well is proposed, describe the need and how needs are currently met. _____
 Proposed Method of Reporting Groundwater Volume Extracted Totalizing Flow Meter Other (Explain.) _____
 Alternative Water Sources Available No Yes (Explain; describe all water sources.)

Historic Use Summary	Year														
	Spring	Summer	Winter												
No Vegetation/Crop, Other Water-reliant Uses, describe. (e.g., Industrial, Domestic...)															
Water-reliant Vegetation/Crop Name and Net Acres. (Examples: Turf 0.2 ac., Corn 40 ac., Oats 32 ac.)															
Groundwater Applied (ac-ft)															
Surface Water Applied (ac-ft)															
Recycled Water Applied (ac-ft)															

SECTION C **New Well Proposal** (Attach existing Well Completion Reports, boring logs, E-logs, and any pumping test data if available. Attach additional sheets as needed.)

Proposed Method of Reporting Groundwater Volume Extracted Totalizing Flow Meter Other (Explain.)

List parcels (APN and county) proposed to receive groundwater from this new well.

Historic Use Summary (last five years)	Season	No Vegetation/Crop, Other Water-reliant Uses, describe. (e.g., Industrial, Domestic...)	Water-reliant Vegetation/Crop Name and Net Acres (Examples: Turf 0.2 ac., Corn 40 ac., Oats 32 ac.)	Groundwater Applied (ac-ft)	Surface Water Applied (ac-ft)	Recycled Water Applied (ac-ft)
Year						
2011	Spring					
	Summer					
	Winter					
Year						
2012	Spring					
	Summer					
	Winter					
Year						
2013	Spring					
	Summer					
	Winter					
Year						
2014	Spring					
	Summer					
	Winter					
Year						
2015	Spring					
	Summer					
	Winter					

SECTION C (continued) **New Well Proposal** (Attach existing Well Completion Reports, boring logs, E-logs, and any pumping test data if available. Attach additional sheets as needed.)

Proposed Use Summary (next five years)	Season	No Vegetation/Crop, Other Water-reliant Uses, describe. (e.g., Industrial, Domestic...)	Water-reliant Vegetation/Crop Name and Net Acres (Examples: Turf 0.2 ac., Corn 40 ac., Oats 32 ac.)	Groundwater Applied (ac-ft)	Surface Water Applied (ac-ft)	Recycled Water Applied (ac-ft)
Year						
2011	Spring					
	Summer					
	Winter					
Year						
2012	Spring					
	Summer					
	Winter					
Year						
2013	Spring					
	Summer					
	Winter					
Year						
2014	Spring					
	Summer					
	Winter					
Year						
2015	Spring					
	Summer					
	Winter					

SECTION D **Groundwater Export Proposal** *(Attach detailed written proposal with responses to the information requested below. Attach additional sheets as needed.)*

1. Provide location details for all existing and proposed groundwater wells, including latitude, longitude, surrounding land surface elevation (ft, msl), well construction details, describing and displaying borehole diameters, total depths, casing materials, casing diameters, conductor casings, perforated intervals, filter packs, annular seals, subsurface lithology encountered, borehole logs, depth to confining units (Corcoran Clay), local well permit numbers, date constructed, Well Completion Reports, pump horsepower ratings, maximum instantaneous flows, discharge data, pumping test data, E-Logs, and any other aquifer characterization information available.
2. Provide groundwater level (depth to water) data for each existing well proposed to be used to export groundwater for the last five years. At a minimum, include Spring and Fall groundwater levels each year expressed as feet below grade surface (ft, bgs) and referenced to mean sea level (ft, msl).
3. Describe how wells proposed for groundwater export are used to replace exported alternate supply sources.
4. Describe the impact to previous use of the proposed groundwater export (acres fallowed, crop change, etc.).
5. Describe the operational periods for use of the proposed groundwater export.
6. Provide the sale price of proposed groundwater export; express in US dollars (\$) per acre-foot.
7. Describe the conveyance method for the proposed groundwater export. Identify the groundwater subbasin(s) where groundwater proposed to be exported is derived. Attach an appropriately scaled plot plan displaying final/terminal disposition for exported groundwater, all wells, and conveyances proposed; label each.
8. Describe in detail the historical and future use of existing water supplies on the primary parcel listed above and any contiguous parcels.
9. Describe in detail the historical and future use of alternative water supplies on the primary parcel listed above and any contiguous parcels.
10. Analyze and report the potential impact to groundwater related to the proposed export, both for regional groundwater conditions and well interference with nearby wells.
11. Please describe any exemption request; refer to Section 9.27.050 for details.

SECTION E **Comments** *(Provide related comments as necessary. Attach additional sheets as needed.)*

Insert Comments -

SECTION F **Images and Plot Plans** *(Attach related images and plot plans. Attach additional sheets as needed.)*