



COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403-2829
(707) 565-1900 FAX (707) 565-1103

CERTIFICATION OF WATER YIELD IN WATER SCARCE AREAS

The Permit and Resource Management Department shall be notified 24 hours in advance of this test

Water Yield # _____

Well Permit # _____

I. Individual performing test: _____

II. Type of license/registration, number and expiration date: _____

III. Location of well:

Address: _____ A.P. #: _____

IV. Type and model of test pump: _____

V. Test pump setting depth: _____

VI. Maximum reported yield for this pump type at this setting: _____

VII. Type of discharge measurement method: _____

VIII. Type and model of flow meter (or provide an accurate description of weir or orifice plate):

Geographic coordinates (Plane Coordinate Method or distance from fixed landmarks): _____

IX. Estimated elevation of well head: _____

X. Initial static water level (include measuring points such as top of casing, surface seal, access port): _____

XI. Date & time of initial static water level measurement: ___/___/___ _____ a.m./p.m.

A. Discharge Rate: _____

B. Dynamic Water Level: _____

C. Specific Capacity: _____

D. Pump Test duration: _____

XII. Immediately after the test take the following measurements:

A. Dynamic water level: _____

B. Final discharge rate: _____

XIII. Post - Test Measurement:

A. Dynamic water level: _____

B. Static water level: _____

C. Percentage of recovery of final static level: _____

Testing performed by (signature): _____

Date: _____

Company: _____

Phone Number: _____

Approved _____ Denied _____

Specialist _____

Date _____

Well Pump Test Data Recordation

Address:							
Date	Time	Interval	SWL	GPM	Comments		
		1 Min					
		1 Min					
		1 Min					
		1 Min					
		1 Min					
		5 Mins					
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		30 Mins					
		30 Mins					
		72 Hrs. or					

Calculation of Well Recovery

(Worksheet example taken from PRMD No. 9-2-28)

1. Determine the water level draw down by subtracting the initial static water level measurement from the stabilized pumping level. Record this result as the well draw down.
2. Next determine the water level recovery by subtracting the post test (within 72 hours) static water level from the stabilized dynamic pumping level. Record this result as the well recovery.
3. Next determine the percent recovery of the well. Divide the water level recovery by the water level draw down and multiply by 100. Record this result as the percent well recovery.

Example:

- a. Initial static water level: _____ (measured value)
- b. *Post test static water level: _____ (measured value)
- b.1. Time (hours) of measurement: _____ (within 72 hours)
- c. **Stabilized pumping level: _____ (measured value)
- d. Draw down: _____ (calculate by subtracting A from C)
- e. Recovery: _____ (calculate by subtracting B from C)
- f. Percent recovery: _____ (calculate by dividing E by D and multiplying result by 100)

Well percent recovery (F) must be 90% or greater within a 72 hour period.

* The static water level after 72 hours or less post pump test.

** Kleinfelder refers to this as the dynamic pumping level.