

PLEASANT VALLEY WD
AQUIFER TRANSMISSIVITIES

Aquifer tests are available for ten wells in Pleasant Valley from which transmissivities could be determined (Table 1). Seven of these wells range in depth (lowest perforations) from 764 to 1,200 feet, and the other three range in depth (lowest perforations) from 1,760 to 2,070 feet. The tops of the perforations in the deeper wells range from 600 to 740 feet deep. For the shallower wells, specific capacities ranged from about 7 to 32 gpm per foot. There are specific capacities available for two other shallower wells, where transmissivity couldn't be determined. These specific capacities ranged from 66 to 73 gpm per foot. Transmissivities for the shallower wells ranged from 15,000 to 73,000 gpd per foot. Most values ranged from 30,000 to 57,000 gpd per foot.

For the three deep wells, specific capacities ranged from 11 to 26 gpm per foot, and transmissivities ranged from 18,000 to 39,000 gpd per foot. A specific capacity of 21 gpm per foot was available for another deep well, where the transmissivity couldn't be determined.

The relation between specific capacity and transmissivity was examined for these ten wells. Conversion factors (transmissivity divided by specific capacity) for eight of the tests ranged from 1,300 to 2,800 and averaged 2,000. This average value is the expected conversion factor for wells tapping confined groundwater. The highest specific capacities for shallower wells indicate that the highest transmissivities likely range from about 132,000 to 146,000 gpd per foot.

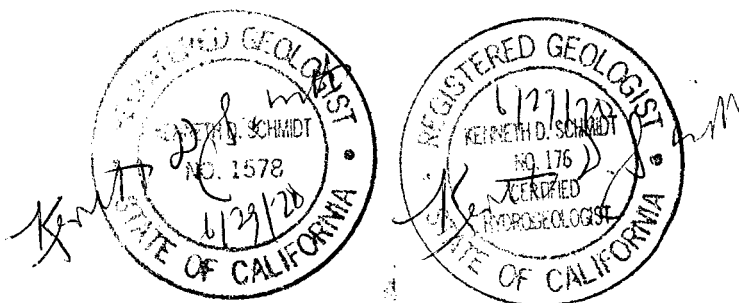


TABLE 1-SUMMARY OF PUMP TEST DATA
FOR WELLS IN PLEASANT VALLEY WD

Well Location	Well I.D.	Date	Perforated Interval (feet)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Transmissivity (gpd/foot)
T20S/R15E-16C	Dust Bowl No. 2	12/14/11	740-1,760	2,500	25.9	39,000
T20S/R15E-22E	HTW Farms	10/20/16	686-2,070	1,500	14.3	18,000
T20S/R15E-32C	City Well No. 9	8/26/02	400-1,155	945	20.0	44,000
T20S/R16E-36N	Pleasant Valley Pist.	2/20/02	362-764	900	N.A.	112,000
T21S/R16E-8H	Devine Farms AS&R	11/00	500-1,000	2,000	29.0	73,000
T21S/R16E-8J	Double D 8-1 Well	11/22/00	500-1,000	3,000	31.7	41,000
T21S/R15E-12L	Jacalitos Creek Pist.	9/14/15	557-1,200	1,400	13.2	30,000
T21S/R15E-12L	Jacalitos Creek Pist. No. 3	6/6/19	435-952	1,500	12.4	65,000
T21S/R16E-15D	Kreyenhagen No. 1	12/20/14	600-1,960	2,017	11.0	31,000
T21S/R16E-16J	Stiefvater C-16 (flo-path)	12/8/08	460-750 & 810-1,030	900	6.5	15,000