

Table 4. -- Yield of 6 representative wells in crystalline bedrock and average yield of 10 wells in valley alluvium in western San Diego County

Well	Dimensions of well				Pump-test data						Remarks
	Depth (feet)	Diameter (inches)	Laterals		Discharge (gpm)	Depth to water at start of test (feet)	Drawdown at end of test (feet)	Length of test (hours)	Water-bearing material tapped by well (feet)	YIELD FACTOR ^a	
			Total length (feet)	Diameter (inches)							
11/2E-28R1 (LaChappa well at Mesa Grande I. R.)	53	8	(None)	. . .	4	15	18	Unknown	18	1.2	In quartz diorite residuum. Drilled well; 18 feet of perforations.
17/6E-32H1 (John Williams well at Campo I. R.)	60	8	(None)	. . .	36	15	35	12	30	3.4	Mostly in quartz diorite residuum. Drilled well; 30 feet of perforations.
9/3W-21F1 (F. O. Olmsted well, 3 miles east of Fallbrook.) d/	78	60	300	1 $\frac{1}{4}$	55	58	18	14	^b 320	1.0	In Bonsall tonalite residuum. Dug well with laterals.
K13 (W.S.P. 446) (Well in Poway Valley.) d/	66	120	210	48-120	250 \pm	17	36	11	^b 260	2.7 ^c 2.4	36 feet of alluvium, 30 feet of residuum. Dug well with two horizontal tunnels at bottom, 90 and 120 feet long.
L98 (W.S.P. 446) (Well 2 miles east of El Cajon.) d/	68.5	72	(None)	. . .	79	11	24.7	3 $\frac{1}{2}$	57.5	5.5 ^c 3.8	In residuum. Dug well, no laterals.
10/1E-20R1 (Mendenhall well near La Jolla I. R.)	73	48	950	1 $\frac{1}{4}$	300	Unknown	50	Unknown	^b 966	.6	57 feet of alluvium, 16 feet of bedrock. Dug well with laterals drilled through alternating hard and soft "granite". Concrete casing opposite alluvium.
L82 (W.S.P. 446) (Average of 10 wells in upper San Diego River valley.) d/	60	12	(None)	. . .	248 (average)	8	12	0.8	50	41	In valley fill (alluvium). Ten drilled wells interconnected to same pump. Total discharge of 10 wells was 2,475 gallons per minute.

a YIELD FACTOR = $\frac{\text{yield in gpm per foot of drawdown} \times 100}{\text{thickness in feet of water-bearing material tapped by well}}$

b Includes footage of laterals or tunnels.

c Adjusted for volume pumped from storage in well.

d For location see fig. 1.