

Table 4 .--Chemical analyses of water from Gregg test and production wells.

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Location number	Remarks	Date collected	Temperature (°F)	Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Dissolved solids		Hardness as CaCO <sub>3</sub>		Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micro-mhos at 25° C)	pH
																Calculated	Residue on evap. at 180°	Calcium, magnesium	Non-carbonate				
22.6.8.414	Test hole; depth 1,010 ft., diam. 8 3/4 in. Water level 230 feet below LSD. Drill stem test; packer set 281-300 feet. Sampled after well had recovered overnight. First bailerful removed.	8-18-61		-	-	-	-	-	-	-	-	-	262	-	-	-	-	-	-	-	-	5,970	-
Do.	Drill stem test in bolson fill from 281-300 feet. Sampled after water level was lowered by bailing.	8-18-61		35	-	360	180	1,900		194	0	4,910	350	1.5	4.1	7,840	7,970	1,640	1,480	72	20	8,890	8.2
Do.	Cased test hole; 1,010 feet deep, cased to 500 feet. Sampled after 7½ hours of pumping at 175 gpm. Temp. 79°F. Density 1.010 gm/ml.	9-7-61		40	-	455	478	3,340		317	0	8,730	708	6.4	.3	13,900	14,300	3,100	2,840	70	26	14,900	7.4
Do.	Production well; 14-in. casing to 478 ft in bolson fill. Sampled at end of pumping test. Temp. 78°F. Density 1.011 gm/ml.	10-30-61		-	-	-	-	-	-	318	0	8,830	744	-	-	-	-	3,170	2,910	-	-	15,000	7.4