



**ENVIRONMENTAL ENGINEERING LABORATORY**  
 3538 HANCOCK STREET, SAN DIEGO, CALIF. 92110 • PHONE: 298-6131  
 P. O. BOX 81789, SAN DIEGO, CALIF. 92138

105/6E-29K2

New Well July 1979 4A

Sample Source: Well # 4

Grego Springs Water Co.  
x B  
Grego Springs, Ca.

Date July 17, 1979  
 Date Collected \_\_\_\_\_  
 Date Received June 15, 1979

Conductivity 550 micromhos/cm @ 25°C  
 pH 8.14

Principal Constituents

Anions:		mg/l	me/l			mg/l			mg/l
Calcium	Ca	40		Aluminum	Al		Barium	Ba	
Magnesium	Mg	4.9		Zinc	Zn		Cadmium	Cd	
Sodium	Na	62		Hexavalent Chromium	Cr		Silver	Ag	
Potassium	K	4.9		Total Chromium	Cr		Mercury	Hg	
Ammonia	NH <sub>4</sub>			Arsenic	As		Gold	Au	
% Sodium				Lead	Pb				
Cations:				Copper	Cu				
Hydroxide	OH	0		Selenium	Se				
Carbonate	CO <sub>3</sub>	0		Nickel	Ni				
Bicarbonate	HCO <sub>3</sub>	85		Cyanide	CN				
Sulfate	SO <sub>4</sub>	99		Phenols					
Chloride	Cl	47		M B A S					
Nitrate	NO <sub>3</sub>	3.0		Grease & Oil					
Fluoride	F	0.11		Sulfides					
				Volatile Acids					
Boron	B			Suspended Solids					
Silica	SiO <sub>2</sub>	6.9		Volatile Suspended Solids					
Iron	Fe	0.08		Dissolved Solids					
Manganese	Mn	0.05		Volatile Dissolved Solids					
Total Phosphate	PO <sub>4</sub>			Settleable Solids					
Ortho Phosphate	PO <sub>4</sub>	0.03		BOD, 5 day 20°C					
Nitrite	N			Oxygen Consumed					
Nitrate	N	0.67		Coliform, MPN/100 ml					
Ammonia	N			Plate Count/ml					
Total Organic Nitrogen	N			Plankton Count/ml					
Total Kjeldahl Nitrogen	N			Radioactivity Picocuries/ml					
Total Alkalinity	CaCO <sub>3</sub>	70							
Total Hardness	CaCO <sub>3</sub>	120							
Dissolved Solids		244							
Turbidity, Units									

Remarks c.c. Lin Burzell

*Robert L. Chambers*



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SEP 27 1979

105/6E-29K2

Sample Source: Well # 4

Borrego Springs Water Co.  
Box B  
Borrego Springs, Ca

Date September 26, 1979  
Date Collected \_\_\_\_\_  
Date Received September 7, 1979

Conductivity 520 micromhos/cm @ 25°C  
pH 7.84

Principal Constituents

Cations:		mg/l	me/l			mg/l			mg/l
Calcium	Ca	41		Aluminum	Al		Barium	Ba	
Magnesium	Mg	9.0		Zinc	Zn		Cadmium	Cd	
Sodium	Na	57		Hexavalent Chromium	Cr		Silver	Ag	
Potassium	K	5.3		Total Chromium	Cr		Mercury	Hg	
Ammonia	NH <sub>4</sub>			Arsenic	As		Gold	Au	
% Sodium				Lead	Pb				
				Copper	Cu				
				Selenium	Se				
				Nickel	Ni				
				Cyanide	CN				
				Phenols					
				M B A S					
				Grease & Oil					
				Sulfides					
				Volatile Acids					
Boron	B			Suspended Solids					
Silica	SiO <sub>2</sub>	15		Volatile Suspended Solids					
Iron	Fe	< 0.01		Dissolved Solids					
Manganese	Mn	< 0.01		Volatile Dissolved Solids					
Total Phosphate	PO <sub>4</sub>			Settleable Solids					
Ortho Phosphate	PO <sub>4</sub>	0		BOD, 5 day 20°C					
Nitrite	N			Oxygen Consumed					
Nitrate	N	0.79		Coliform, MPN/100 ml					
Ammonia	N			Plate Count/ml					
Total Organic Nitrogen	N			Plankton Count/ml					
Total Kjeldahl Nitrogen	N			Radioactivity Picocuries/ml					
Total Alkalinity	CaCO <sub>3</sub>	80							
Total Hardness	CaCO <sub>3</sub>	140							
Dissolved Solids		360							
Turbidity, Units									
Remarks									

*Diluted*



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P. O. BOX 81789, SAN DIEGO, CALIF. 92138

105/6E-29K2

Sample Source: Well #4

Borrego Springs Water Co.

Box B

Borrego Springs, Ca

Date March 31, 1980

Date Collected

Date Received March 12, 1980

Conductivity 500 micromhos/cm @ 25°C

pH 7.68

Principal Constituents

Cations:		mg/l	me/l			mg/l			mg/l
Calcium	Ca	32		Aluminum	Al		Barium	Ba	< 0.2
Magnesium	Mg	1.7		Zinc	Zn	< 0.01	Cadmium	Cd	< 0.010
Sodium	Na	70		Hexavalent Chromium	Cr		Silver	Ag	< 0.01
Potassium	K			Total Chromium	Cr	< 0.01	Mercury	Hg	0.0005
Ammonia	NH <sub>4</sub>			Arsenic	As	< 0.01	Gold	Au	
% Sodium				Lead	Pb	< 0.01			
				Copper	Cu	< 0.01			
				Selenium	Se	< 0.005			
				Nickel	Ni				
				Cyanide	CN				
				Phenols					
				M B A S		0.04			
				Grease & Oil					
				Sulfides					
				Volatile Acids					
Boron	B			Suspended Solids					
Silica	SiO <sub>2</sub>			Volatile Suspended Solids					
Iron	Fe	0.06		Dissolved Solids					
Manganese	Mn	< 0.01		Volatile Dissolved Solids					
Total Phosphate	PO <sub>4</sub>			Settleable Solids					
Ortho Phosphate	PO <sub>4</sub>			BOD, 5 day 20°C					
Nitrite	N			Oxygen Consumed					
Nitrate	N	0.80		Coliform, MPN/100 ml					
Ammonia	N			Plate Count/ml					
Total Organic Nitrogen	N			Plankton Count/ml					
Total Kjeldahl Nitrogen	N			Radioactivity Picocuries/ml					
Total Alkalinity	CaCO <sub>3</sub>	67							
Total Hardness	CaCO <sub>3</sub>	86							
Dissolved Solids		322							
Turbidity, Units									

Remarks

cc Lin Burzell

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