ENVIRONMENTAL ENGINEERING LABORATORY
3467 KURTZ STREET, SAN DIEGO, CALIF. 92110 • PHONE: 224-2885
P.O. BOX 81789, SAN DIEGO, CALIF. 92138

10S/6E-7A1

Sample Source: ~~Well # 11~~ Sec 7

Borrego Springs Water Co
Box B
Borrego Springs, California

Date January 18, 1973
Date Collected
Date Received January 15, 1973

Conductivity 1300 micromhos/cm @ 25°C
pH 7.2

Principal Constituents								
Cations:		mg/l	me/l			mg/l		
Calcium	Ca	118		Aluminum	Al		Barium	Ba
Magnesium	Mg	16		Zinc	Zn		Cadmium	Cd
Sodium	Na	130		Hexavalent Chromium	Cr		Silver	Ag
Potassium	K	12		Total Chromium	Cr		Mercury	Hg
Ammonia	NH_4			Arsenic	As		Gold	Au
				Lead	Pb			
				Copper	Cu			
Anions:				Selenium	Se			
Hydroxide	OH	0		Nickel	Ni			
Carbonate	CO_3	0						
Bicarbonate	HCO_3	244		Cyanide	CN			
Sulfate	SO_4	288		Phenols				
Chloride	Cl	100		A B S				
Nitrate	NO_3	1.7		Grease & Oil				
Fluoride	F	0.90		Sulfides				
Boron	B	0.17		Suspended Solids				
Silica	SiO_2	29		Volatile Suspended Solids				
Iron	Fe	0.07		Dissolved Solids				
Manganese	Mn	0		Volatile Dissolved Solids				
Total Phosphate	PO_4			Settleable Solids				
Ortho Phosphate	PO_4	0		BOD, 5 day 20°C				
Nitrite	N			Oxygen Consumed				
Nitrate	N	0.39		Coliform, MPN/100 ml				
Ammonia	N			Plate Count/ml				
Total Organic Nitrogen	N			Plankton Count/ml				
Total Kjeldahl Nitrogen	N							
Total Alkalinity	$CaCO_3$	200						
Total Hardness	$CaCO_3$	360						
Dissolved Solids		804						
Turbidity, Units								
Remarks		c.c. Lin Burzell						

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L. Chamberlin

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

Sample Source: Well 10S/6E-7A1

Digiorgio Corp.
P.O. Box A
Borrego Springs, Ca 92004

Date March 12, 1980
Date Collected
Date Received February 13, 1980

Conductivity 1150 micromhos/cm @ 25°C
pH 7.42

Principal Constituents		mg/l	me/l
Cations:			
Calcium	Ca	94	
Magnesium	Mg	17	
Sodium	Na	118	
Potassium	K		
Ammonia	NH_4		
% Sodium			
Anions:			
Hydroxide	OH	0	
Carbonate	CO_3	0	
Bicarbonate	HCO_3	192	
Sulfate	SO_4	297	
Chloride	Cl	84	
Nitrate	NO_3	4.2	
Fluoride	F	1.1	
Boron	B		
Silica	SiO_2		
Iron	Fe	0.05	
Manganese	Mn	0.02	
Total Phosphate	PO_4		
Ortho Phosphate	PO_4		
Nitrite	N		
Nitrate	N	0.95	
Ammonia	N		
Total Organic Nitrogen	N		
Total Kjeldahl Nitrogen	N		
Total Alkalinity	$CaCO_3$	157	
Total Hardness	$CaCO_3$	306	
Dissolved Solids		704	
Turbidity, Units			

		mg/l
Aluminum	Al	
Zinc	Zn	< 0.01
Hexavalent Chromium	Cr	
Total Chromium	Cr	< 0.01
Arsenic	As	< 0.01
Lead	Pb	< 0.01
Copper	Cu	< 0.01
Selenium	Se	< 0.005
Nickel	Ni	
Cyanide	CN	
Phenols		
M B A S		0.01
Grease & Oil		
Sulfides		
Volatile Acids		
Suspended Solids		
Volatile Suspended Solids		
Dissolved Solids		
Volatile Dissolved Solids		
Settleable Solids		
BOD, 5 day 20°C		
Oxygen Consumed		
Coliform, MPN/100 ml		
Plate Count/ml		
Plankton Count/ml		
Radioactivity Picocuries/ml		

		mg/l
Barium	Ba	< 0.2
Cadmium	Cd	< 0.010
Silver	Ag	< 0.01
Mercury	Hg	0.0002
Gold	Au	

Remarks cc Lin Burzell

California State Department of Public Health

Reported By [illegible]

ENVIRONMENTAL ENGINEERING LABORATORY
3467 KURTZ STREET, SAN DIEGO, CALIF. 92110 • PHONE: 224-2885
P.O. BOX 81789, SAN DIEGO, CALIF. 92138

7A1

much improved

Borrego Springs Water Co
Box B
Borrego Springs, California

Date January 18, 1973
Date Collected
Date Received January 15, 1973

Sample Source: Well # 11 Section 7 Well
Drilled in December 1972

Conductivity 1300 micromhos/cm @ 25°C
pH 7.2

Principal Constituents

Cations:		mg/l	me/l
Calcium	Ca	118	
Magnesium	Mg	16	
Sodium	Na	130	
Potassium	K	12	
Ammonia	NH_4		

Anions:		mg/l	me/l
Hydroxide	OH	0	
Carbonate	CO_3	0	
Bicarbonate	HCO_3	244	
Sulfate	SO_4	288	
Chloride	Cl	100	
Nitrate	NO_3	1.7	
Fluoride	F	0.90	

		mg/l
Boron	B	0.17
Silica	SiO_2	29
Iron	Fe	0.07
Manganese	Mn	0
Total Phosphate	PO_4	
Ortho Phosphate	PO_4	0
Nitrite	N	
Nitrate	N	0.39
Ammonia	N	
Total Organic Nitrogen	N	
Total Kjeldahl Nitrogen	N	
Total Alkalinity	$CaCO_3$	200
Total Hardness	$CaCO_3$	360
Dissolved Solids		804
Turbidity, Units		

		mg/l
Aluminum	Al	
Zinc	Zn	
Hexavalent Chromium	Cr	
Total Chromium	Cr	
Arsenic	As	
Lead	Pb	
Copper	Cu	
Selenium	Se	
Nickel	Ni	
Cyanide	CN	
Phenols		
A B S		
Grease & Oil		
Sulfides		
Suspended Solids		
Volatile Suspended Solids		
Dissolved Solids		
Volatile Dissolved Solids		
Settleable Solids		
BOD, 5 day 20°C		
Oxygen Consumed		
Coliform, MPN/100 ml		
Plate Count/ml		
Plankton Count/ml		

		mg/l
Barium	Ba	
Cadmium	Cd	
Silver	Ag	
Mercury	Hg	
Gold	Au	

check #11 well not in sec 7

Remarks

c.c. Lin Burzell

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L. Chambers

ENVIRONMENTAL ENGINEERING LABORATORY
3467 KURTZ STREET, SAN DIEGO, CALIF. 92110 • PHONE: 224-2885
P.O. BOX 81789, SAN DIEGO, CALIF. 92138

Sample Source: ~~Well #11~~ Sec 7 Well 7A1

Borrego Springs Water Co
Box B
Borrego Springs, California

Date January 18, 1973
Date Collected
Date Received January 15, 1973

Conductivity 1300 micromhos/cm @ 25°C
pH 7.2

Principal Constituents								
Cations:		mg/l	me/l			mg/l		mg/l
Calcium	Ca	118		Aluminum	Al		Barium Ba	
Magnesium	Mg	16		Zinc	Zn		Cadmium Cd	
Sodium	Na	130		Hexavalent Chromium	Cr		Silver Ag	
Potassium	K	12		Total Chromium	Cr		Mercury Hg	
Ammonia	NH_4			Arsenic	As		Gold Au	
				Lead	Pb			
				Copper	Cu			
Anions:				Selenium	Se			
Hydroxide	OH	0		Nickel	Ni			
Carbonate	CO_3	0						
Bicarbonate	HCO_3	244		Cyanide	CN			
Sulfate	SO_4	288		Phenols				
Chloride	Cl	100		A B S				
Nitrate	NO_3	1.7		Grease & Oil				
Fluoride	F	0.90		Sulfides				
Boron	B	0.17		Suspended Solids				
Silica	SiO_2	29		Volatile Suspended Solids				
Iron	Fe	0.07		Dissolved Solids				
Manganese	Mn	0		Volatile Dissolved Solids				
Total Phosphate	PO_4			Settleable Solids				
Ortho Phosphate	PO_4	0		BOD, 5 day 20°C				
Nitrite	N			Oxygen Consumed				
Nitrate	N	0.39		Coliform, MPN/100 ml				
Ammonia	N			Plate Count/ml				
Total Organic Nitrogen	N			Plankton Count/ml				
Total Kjeldahl Nitrogen	N							
Total Alkalinity	$CaCO_3$	200						
Total Hardness	$CaCO_3$	360						
Dissolved Solids		804						
Turbidity, Units								

Remarks c.c. Lin Burzell

ENVIRONMENTAL ENGINEERING LABORATORY 298 6/3
3467 KURTZ STREET, SAN DIEGO, CALIF. 92110 • PHONE: [redacted]
P.O. BOX 81789, SAN DIEGO, CALIF. 92138

105/6E-7A1

Borrego Springs Water Co
Box B
Borrego Springs, California

Date January 18, 1973
Date Collected
Date Received January 15, 1973

Sample Source: Sec 7 ~~Well #11~~

Conductivity 1300 micromhos/cm @ 25°C
pH 7.2

Mineral Constituents

		mg/l	me/l			mg/l			mg/l
Calcium	Ca	118	5.9	Aluminum	Al		Barium	Ba	
Magnesium	Mg	16	1.3	Zinc	Zn		Cadmium	Cd	
Sodium	Na	130	5.6	Hexavalent Chromium	Cr		Silver	Ag	
Potassium	K	12		Total Chromium	Cr		Mercury	Hg	
Ammonia	NH_4			Arsenic	As		Gold	Au	
				Lead	Pb				
				Copper	Cu				
Hydroxide	OH	0		Selenium	Se				
Carbonate	CO_3	0		Nickel	Ni				
Bicarbonate	HCO_3	244	4.0	Cyanide	CN				
Sulfate	SO_4	288	6.0	Phenols					
Chloride	Cl	100	2.8	A B S					
Nitrate	NO_3	1.7	trace	Grease & Oil					
Fluoride	F	0.90	gain	Sulfides					
Boron	B	0.17		Suspended Solids					
Silica	SiO_2	29		Volatile Suspended Solids					
Iron	Fe	0.07		Dissolved Solids					
Manganese	Mn	0		Volatile Dissolved Solids					
Total Phosphate	PO_4			Settleable Solids					
Ortho Phosphate	PO_4	0		BOD, 5 day 20°C					
Nitrite	N			Oxygen Consumed					
Nitrate	N	0.39		Coliform, MPN/100 ml					
Ammonia	N			Plate Count/ml					
Total Organic Nitrogen	N			Plankton Count/ml					
Total Kjeldahl Nitrogen	N								
Total Alkalinity	$CaCO_3$	200							
Total Hardness	$CaCO_3$	360							
Dissolved Solids 2157 mmhos/cm		804							
Turbidity, Units									
Remarks SAR = 3									

Calc. Lin Burzell

Di Giorgio Well at Tree Way

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L. Chambers