Well # 4

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

Sample Source: Well # 4

Borrego Springs Water Co.
Box B
Borrego Springs, California

Date December 15, 1976
Date Collected
Date Received December 6, 1976

Conductivity micromhos/cm @ 25°C
pH

Principal Constituents										
Cations:		mg/l	me/l			mg/l			mg/l
Calcium	Ca			Aluminum	Al		Barium	Ba	
Magnesium	Mg			Zinc	Zn		Cadmium	Cd	
Sodium	Na			Hexavalent Chromium	Cr		Silver	Ag	
Potassium	K			Total Chromium	Cr		Mercury	Hg	
Ammonia	NH_4			Arsenic	As		Gold	Au	
% Sodium				Lead	Pb				
				Copper	Cu				
Anions				Selenium	Se				
Hydroxide	OH			Nickel	Ni				
Carbonate	CO_3								
Bicarbonate	HCO_3			Cyanide	CN				
Sulfate	SO_4			Phenols					
Chloride	Cl			M B A S					
Nitrate	NO_3	66		Grease & Oil					
Fluoride	F			Sulfides					
				Volatile Acids					
Boron	B			Suspended Solids					
Silica	SiO_2			Volatile Suspended Solids					
Iron	Fe			Dissolved Solids					
Manganese	Mn			Volatile Dissolved Solids					
Total Phosphate	PO_4			Settleable Solids					
Ortho Phosphate	PO_4			BOD, 5 day 20°C					
Nitrite	N			Oxygen Consumed					
Nitrate	N	15		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	$CaCO_3$								
Total Hardness	$CaCO_3$								
Dissolved Solids									
Turbidity, Units									
Remarks									

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L. Chambers

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

Sample Source: Well # 4

Borrego Springs Water Company
Box B
Borrego Springs, California

Date October 11, 1976
Date Collected
Date Received September 30, 1976

Conductivity micromhos/cm @ 25°C
pH

Principal Constituents		mg/l	me/l
Cations			
Calcium	Ca		
Magnesium	Mg		
Sodium	Na		
Potassium	K		
Ammonia	NH_4		
% Sodium			
Anions			
Hydroxide	OH		
Carbonate	CO_3		
Bicarbonate	HCO_3		
Sulfate	SO_4		
Chloride	Cl		
Nitrate	NO_3	49	
Fluoride	F		
Boron	B		
Silica	SiO_2		
Iron	Fe		
Manganese	Mn		
Total Phosphate	PO_4		
Ortho Phosphate	PO_4		
Nitrite	N		
Nitrate	N		
Ammonia	N	11	
Total Organic Nitrogen	N		
Total Kjeldahl Nitrogen	N		
Total Alkalinity	$CaCO_3$		
Total Hardness	$CaCO_3$		
Dissolved Solids			
Turbidity, Units			
Remarks			

		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		
M B A S		
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	
Cadmium	Cd	
Silver	Ag	
Mercury	Hg	
Gold	Au	

Approved Water Laboratory, California State Department of Public Health

Reported By Robert K. Chamberlain

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

Sample Source: Water

Borrego Springs Water Co.
Box B
Borrego Springs, California

Date August 12, 1976
Date Collected
Date Received August 6, 1976

Conductivity micromhos/cm @ 25°C
pH

Principal Constituents		mg/l	me/l
Cations:			
Calcium	Ca		
Magnesium	Mg		
Sodium	Na		
Potassium	K		
Ammonia	NH_4		
% Sodium			
Anions:			
Hydroxide	OH		
Carbonate	CO_3		
Bicarbonate	HCO_3		
Sulfate	SO_4		
Chloride	Cl		
Nitrate	NO_3	62	
Fluoride	F		
Boron	B		
Silica	SiO_2		
Iron	Fe		
Manganese	Mn		
Total Phosphate	PO_4		
Ortho Phosphate	PO_4		
Nitrite	N		
Nitrate	N	14	
Ammonia	N		
Total Organic Nitrogen	N		
Total Kjeldahl Nitrogen	N		
Total Alkalinity	$CaCO_3$		
Total Hardness	$CaCO_3$		
Dissolved Solids			
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		
M B A S		
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	
Cadmium	Cd	
Silver	Ag	
Mercury	Hg	
Gold	Au	

Remarks

Approved Water Laboratory, California State Department of Public Health

Reported By Robert K. Chambers

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

Sample Source: Well # 4

Borrego Springs Water Co.
Box B
Borrego Springs, California

Date May 5, 1976
Date Collected
Date Received April 29, 1976

Conductivity micromhos/cm @ 25°C
pH

Principal Constituents

Cations:		mg/l	me/l
Calcium	Ca		
Magnesium	Mg		
Sodium	Na		
Potassium	K		
Ammonia	NH_4		
% Sodium			
Anions:			
Hydroxide	OH		
Carbonate	CO_3		
Bicarbonate	HCO_3		
Sulfate	SO_4		
Chloride	Cl		
Nitrate	NO_3	49	
Fluoride	F		
Boron	B		
Silica	SiO_2		
Iron	Fe		
Manganese	Mn		
Total Phosphate	PO_4		
Ortho Phosphate	PO_4		
Nitrite	N		
Nitrate	N	11	
Ammonia	N		
Total Organic Nitrogen	N		
Total Kjeldahl Nitrogen	N		
Total Alkalinity	$CaCO_3$		
Total Hardness	$CaCO_3$		
Dissolved Solids			
Turbidity, Units			
Remarks			

		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		
M B A S		
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	
Cadmium	Cd	
Silver	Ag	
Mercury	Hg	
Gold	Au	

Approved Water Laboratory, California State Department of Public Health

Reported By Fred L. Chambers

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

Sample Source: Well # 4

Borrego Springs Water Co.
Box B
Borrego Springs, California

Date January 8, 1976
Date Collected
Date Received December 15, 1975

Conductivity micromhos/cm @ 25°C
pH

Principal Constituents

Cations:		mg/l	me/l
Calcium	Ca		
Magnesium	Mg		
Sodium	Na		
Potassium	K		
Ammonia	NH_4		
% Sodium			
Anions:			
Hydroxide	OH		
Carbonate	CO_3		
Bicarbonate	HCO_3		
Sulfate	SO_4		
Chloride	Cl		
Nitrate	NO_3	58	
Fluoride	F		
Boron	B	0.07	
Silica	SiO_2		
Iron	Fe		
Manganese	Mn		
Total Phosphate	PO_4		
Ortho Phosphate	PO_4		
Nitrite	N		
Nitrate	N		
Ammonia	N	13	
Total Organic Nitrogen	N		
Total Kjeldahl Nitrogen	N		
Total Alkalinity	$CaCO_3$		
Total Hardness	$CaCO_3$		
Dissolved Solids			
Turbidity, Units			
Remarks			

		mg/l
Aluminum	Al	
Zinc	Zn	0.05
Hexavalent Chromium	Cr	
Total Chromium	Cr	
Arsenic	As	< 0.01
Lead	Pb	0.006
Copper	Cu	0.03
Selenium	Se	0.003
Nickel	Ni	
Cyanide	CN	
Phenols		
M B A S		
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	
Cadmium	Cd	
Silver	Ag	
Mercury	Hg	
Gold	Au	

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L. Chambers

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

Sample Source: # 4

Borrego Springs Water Co.
Box B
Borrego Springs, California

Date May 19, 1975
Date Collected
Date Received May 5, 1975

Conductivity 790 micromhos/cm @ 25°C
pH 7.76

Principal Constituents								
Cations:		mg/l	me/l			mg/l		mg/l
Calcium	Ca	83	L	Aluminum	Al		Barium Ba	
Magnesium	Mg	13	L	Zinc	Zn		Cadmium Cd	
Sodium	Na	59	L	Hexavalent Chromium	Cr		Silver Ag	
Potassium	K	2.1	L	Total Chromium	Cr		Mercury Hg	
Ammonia	NH_4			Arsenic	As		Gold Au	
% Sodium				Lead	Pb			
				Copper	Cu			
Anions:				Selenium	Se			
Hydroxide	OH	0		Nickel	Ni			
Carbonate	CO_3	0						
Bicarbonate	HCO_3	148	L	Cyanide	CN			
Sulfate	SO_4	127	L	Phenols				
Chloride	Cl	60	L	M B A S				
Nitrate	NO_3	2.2	L	Grease & Oil				
Fluoride	F	0.47	H	Sulfides				
				Volatile Acids				
Boron	B			Suspended Solids				
Silica	SiO_2	36	H	Volatile Suspended Solids				
Iron	Fe	0	L	Dissolved Solids				
Manganese	Mn	0	0	Volatile Dissolved Solids				
Total Phosphate	PO_4			Settleable Solids				
Ortho Phosphate	PO_4	0.05		BOD, 5 day 20°C				
Nitrite	N			Oxygen Consumed				
Nitrate	N	0.49	L	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	$CaCO_3$	121						
Total Hardness	$CaCO_3$	263	L					
Dissolved Solids		508	L					
Turbidity, Units								
Remarks								

Approved Water Laboratory, California State Department of Public Health

Reported By Robert K. Chambers

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

Sample Source: Well ~~#8~~ 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
Calcium	Ca	32	
Magnesium	Mg	1.7	
Sodium	Na	70	
Potassium	K		
Ammonia	NH_4		
% Sodium			
Anions:			
Hydroxide	OH	0	
Carbonate	CO_3	0	
Bicarbonate	HCO_3	82	
Sulfate	SO_4	127	
Chloride	Cl	33	
Nitrate	NO_3	3.5	
Fluoride	F	0.94	
Boron	B		
Silica	SiO_2		
Iron	Fe	0.06	
Manganese	Mn	< 0.01	
Total Phosphate	PO_4		
Ortho Phosphate	PO_4		
Nitrite	N		
Nitrate	N	0.80	
Ammonia	N		
Total Organic Nitrogen	N		
Total Kjeldahl Nitrogen	N		
Total Alkalinity	$CaCO_3$	67	
Total Hardness	$CaCO_3$	86	
Dissolved Solids		322	
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		0.04
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	0.0005
Gold	Au	

Remarks cc Lin Burzell

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L. Chambers

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

Rec'd-SEP 27 1979

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_4			Arsenic	As		Gold	Au
% Sodium				Lead	Pb			
				Copper	Cu			
Anions:				Selenium	Se			
Hydroxide	OH	0		Nickel	Ni			
Carbonate	CO_3	0						
Bicarbonate	HCO_3	98		Cyanide	CN			
Sulfate	SO_4	129		Phenols				
Chloride	Cl	22		M B A S				
Nitrate	NO_3	3.5		Grease & Oil				
Fluoride	F	0.18		Sulfides				
				Volatile Acids				
Boron	B			Suspended Solids				
Silica	SiO_2	15		Volatile Suspended Solids				
Iron	Fe	< 0.01		Dissolved Solids				
Manganese	Mn	< 0.01		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	0.79		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	$CaCO_3$	80						
Total Hardness	$CaCO_3$	140						
Dissolved Solids		360						
Turbidity, Units								
Remarks								

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L Chambers

Rec'd SEP 07 19[illegible]

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_4			Arsenic	As		Gold Au	
% Sodium				Lead	Pb			
				Copper	Cu			
Anions:				Selenium	Se			
Hydroxide	OH	0		Nickel	Ni			
Carbonate	CO_3	0						
Bicarbonate	HCO_3	98		Cyanide	CN			
Sulfate	SO_4	129		Phenols				
Chloride	Cl	22		M B A S				
Nitrate	NO_3	3.5		Grease & Oil				
Fluoride	F	0.18		Sulfides				
				Volatile Acids				
Boron	B			Suspended Solids				
Silica	SiO_2	15		Volatile Suspended Solids				
Iron	Fe	< 0.01		Dissolved Solids				
Manganese	Mn	< 0.01		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	0.79		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	$CaCO_3$	80						
Total Hardness	$CaCO_3$	140						
Dissolved Solids		360						
Turbidity, Units								
Remarks								

Approved Water Laboratory, California State Department of Public Health

Reported By Robert L Chambers

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

Sample Source: Well # 4

Borrego Springs Water Co.
Box B
Borrego Springs, Ca.

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

Conductivity 550 micromhos/cm @ 25°C
pH 8.14

Principal Constituents								
Cations:		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_4			Arsenic	As		Gold Au	
% Sodium				Lead	Pb			
				Copper	Cu			
Anions:				Selenium	Se			
Hydroxide	OH	0		Nickel	Ni			
Carbonate	CO_3	0						
Bicarbonate	HCO_3	85		Cyanide	CN			
Sulfate	SO_4	99		Phenols				
Chloride	Cl	47		M B A S				
Nitrate	NO_3	3.0		Grease & Oil				
Fluoride	F	0.11		Sulfides				
				Volatile Acids				
Boron	B			Suspended Solids				
Silica	SiO_2	6.9		Volatile Suspended Solids				
Iron	Fe	0.08		Dissolved Solids				
Manganese	Mn	0.05		Volatile Dissolved Solids				
Total Phosphate	PO_4			Settleable Solids				
Ortho Phosphate	PO_4	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	$CaCO_3$	70						
Total Hardness	$CaCO_3$	120						
Dissolved Solids		244						
Turbidity, Units								

Remarks c.c. Lin Burzell

Robert L. Chambers

Approved Water Laboratory, California State Department of Public Health

Reported By

ENVIRONMENTAL
ENGINEERING
LABORATORY

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

May 9, 1979

Borrego Springs Water Co.
Box B
Borrego Springs, CA

LABORATORY REPORT

Water samples received May 4, 1979

Sample	NITRATE (N) mg/L	ALKALINITY (CaCO3) mg/L
475 Ft.	2.0	75
550 Ft.	0.46	75
575 Ft.	1.2	110
450 Ft.	1.2	80
525 Ft.	1.4	110
600 Ft.	0.84	90
500 Ft.	2.0	70
Well #2 DeAnza	5.0	
Well #20 Digorgi Farm	10	
Well Rancho Bonito	67	

Submitted by,

Robert L Chambers

Robert L. Chambers
Director

May 8, 1979

To: Linden Burzell

From: Victor Lugo

Re: Results of Water Samples taken from Well #4.

Depth	Alkalinity	Nitrate
225'		7.4
250'		0.10
275'		0.32
300'		6.8
359'		3.6
362'		2.8
375'		0.11
400'		0.11
425'		0.15
Well #4-A.		
450'	80	1.2
475'	75	2.0
500'	70	2.0
525'	110	1.4
550'	75	0.46
575'	110	1.2
600'	90	0.84

* * * * * * *

Rancho Bonito Well	67.
DeAnza Well No. 2	5.0
DiGiorgio Farm	10.

TEL. 8-8567

P. O. BOX 867

HORNKOHL LABORATORIES

CHEMICAL AND TESTING ENGINEERS

714 TRUXTUN AVENUE

BAKERSFIELD, CALIFORNIA

10S/16E-29B1

Laboratory No. 79504 October 8, 1954

Sample Water Marked Well #8

Received September 25, 1954

Submitted by A. F. Peterson
1603 California Avenue
Bakersfield, California

* * * * * * * * * * *

IRRIGATION WATER ANALYSIS

CONSTITUENTS			PARTS PER MILLION	GRAINS PER GALLON	IRRIGATION WATER CLASSIFICATION
CARBONATES	(ALKALI)	(CO_3)	7.2	0.45	Good
BICARBONATES		(HCO_3)	114.7	6.71	Good
CHLORIDES	(SALT)	(C1)	129.1	7.55	Good
SULPHATES		(SO_4)	427.7	25.01	Good
SULPHIDES		(S)	0.0	0.00	GOOd
NITRATES		(NO_3)	6.4		Good
CALCIUM	(LIME)	(CA)	192.8	11.27	Good
MAGNESIUM		(MG)	21.0	1.23	Good
SODIUM		(NA)	75.9	4.44	Good
BORON		(B)	.05		Good
IRON		(FE)	.1		Good
HARDNESS AS $CaCO_3$			568.0	33.22	Good
TOTAL SOLIDS @ 105°C			917.5	53.65	
TOTAL SOLIDS @ RED HEAT			860.8	50.37	
pH (HYDROGEN ION CONCENTRATION)			8.3		
SODIUM PERCENTAGE			22.5%		
COLOR			Water White		
ODOR			None		
TURBIDITY			Clear		
CONDUCTIVITY, MHOS/CM^3X10^5@25°C.			155.7		

	Theoretical Analysis	
Calcium Carbonate	12.0	0.70
Calcium Bicarbonate	152.4	8.91
Calcium Sulfate	511.9	29.94
Magnesium Sulfate	83.1	4.86
Magnesium Chloride	16.2	0.95
Sodium Chloride	192.9	11.28

Remarks: As noted by the last column above this sample would be classified as excellent for irrigation use.