

West Solter 5-2

LABORATORY WORK SHEET

Calif

Source: J M Carnish Domestic State: Calif  
 Collector's Number: (Formerly AF Deme) County: San Diego  
 Other Number: 125/8E-22 E1 Date Collected: 8-2-63  
 Location: \_\_\_\_\_ Temperature (°F): \_\_\_\_\_  
 Owner: \_\_\_\_\_ Collector: JWR  
 Depth: \_\_\_\_\_ Date Completed: 8/23/63  
 Diameter: \_\_\_\_\_ Chemist: WJW  
 Other Information: \_\_\_\_\_

Field Conductance: 900 Field Chloride: \_\_\_\_\_  
 Lab. Spec. Cond.: 920 Temp. °C: 25.5

Total Hardness 1750  
50ml 15.10  
2.40

Calcium

50ml

2.30  
0.00  
2.30  
0.5  
2.25

Alkalinity

50ml

4.40  
0.00  
4.40

910  
550  
360

Sulfate

5 ml

25

Chloride, 0.5 mg

25 ml

3980  
3240  
740  
15  
725

Sum Cond.

58.1

Anion Cond.

0.92

Comments:

Std. Spec. Cond.	910	
	epm	ppm
SiO <sub>2</sub>		20
TH	.96	48
NCH	-	-
Ca	.90	18
Mg	.06	.7
Na(Calc.)	7.42	171
HCO <sub>3</sub>	1.44	88
SO <sub>4</sub>	2.60	125
Cl	4.09	145
F <sup>1</sup> / <sub>5</sub> 19	.25	4.8
NO <sub>3</sub>		
Sum of Anions	8.38	

Sum: 529 % Na 88.5

D. S. (calc)(6) 547 ph 7.50

(5.5) 501

Mixed 8/26/63

*[Signature]*



Wast 50/16 5+2

LABORATORY WORK SHEET

Calif

Source: J M Carmichael Domestic State: Calif  
 Collector's Number: (Formerly AF Demer) County: San Diego  
 Other Number: 12S/8E-22 E1 Date Collected: 8-2-63  
 Location: \_\_\_\_\_ Temperature (°F): \_\_\_\_\_  
 Owner: \_\_\_\_\_ Collector: JWR  
 Depth: \_\_\_\_\_ Date Completed: 8/2/63  
 Diameter: \_\_\_\_\_ Chemist: JWR  
 Other Information: \_\_\_\_\_

Field Conductance: 900 Field Chloride: \_\_\_\_\_  
 Lab. Spec. Cond.: 920 Temp. °C: 25.5

Total Hardness 1750  
50 ml 15.10  
2.40

Calcium

50 ml

2.30  
0.00  
2.30  
0.5  
2.25

Alkalinity

50 ml

4.40  
0.00  
4.40

910  
550  
360

Sulfate

5 ml

25

Chloride, 0.5 mg

25 ml

3980  
3240  
740  
15  
7.25

Sum Cond. 58.1

Anion Cond. 0.92

Std. Spec. Cond.	910	
	e pm	ppm
SiO <sub>2</sub>		20
TH	.96	48
NCH	-	-
Ca	.90	18
Mg	.06	.7
Na(Calc.)	7.42	171
HCO <sub>3</sub>	1.44	88
SO <sub>4</sub>	2.60	125
Cl	4.09	145
F <sup>10/25</sup> 19	.25	4.8
NO <sub>3</sub>		
Sum of Anions	8.38	

Sum: 529 % Na 88.5

D. S. (calc)(6) 547 ph 7.50

(5.5) 501

Mailed 8/2/63

Red

Comments:



ANALYTICAL STATEMENT

COUNTY San Diego  
LAB NO. Yuma

Location 125/9E-22E1 Date of collection 8/2/63

Sirotello Valley Ignition Loss \_\_\_\_\_ Color \_\_\_\_\_



Source (name of well) \_\_\_\_\_ Dissolved Solids: \_\_\_\_\_

Residue at 180°C \_\_\_\_\_

Calculated (Sum) 529

Tons per Acre Foot \_\_\_\_\_

Date drld 7/9/29 Cased to \_\_\_\_\_ ft Hardness as CaCO<sub>3</sub> 49

Depth 236 Diam 14.14 Non-carbonate Hardness \_\_\_\_\_

VSP \_\_\_\_\_ % Na 58.5 SAR \_\_\_\_\_ pH 7.50

Water level \_\_\_\_\_ ft Specific Conductance \_\_\_\_\_

Sampled after pumping \_\_\_\_\_ hrs (microhos at 25°C) 911

Yield \_\_\_\_\_ GPM (meas or est) 1205

Pt of coll \_\_\_\_\_ % = 58.1

Appearance \_\_\_\_\_ A<sub>v</sub> = 0.92

Temp (°F) \_\_\_\_\_ Use Domestic

Collector JW

Chemist JWTW

Date completed 8/12/63

Checked by Dual

Date transmitted 8/12/63 Dual

	epm	ppm
SiO <sub>2</sub>		<u>20</u>
Fe		
Ca	<u>190</u>	<u>18</u>
Mg	<u>.06</u>	<u>.7</u>
Na		
K		
Na+K	<u>7.42</u>	<u>171</u>
HCO <sub>3</sub>	<u>1.44</u>	<u>88</u>
CO <sub>3</sub>		
SO <sub>4</sub>	<u>2.60</u>	<u>125</u>
Cl	<u>4.09</u>	<u>145</u>
F	<u>.25</u>	<u>4.8</u>
NO <sub>3</sub>		<u>5.38</u>

*Handwritten notes:*  
 $1205 - V = 1205$   
 $\% = 58.1$   
 $A_v = 0.92$

*Handwritten signature:*  
 Sum of authors

U. S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION

12S/8E-22E1

Data) San Diego  
 1/4 Sec. 22E1 SB B-M  
 Region: Lab. No. 10206  
 Analyst Wm. Locke  
 Date completed 1-19-54  
 Checked by B.N. Martin  
 Date transmitted 1-25-54  
 # 12S/8E-22E1

Quality of Water Branch  
 ANALYTICAL STATEMENT  
 GROUND WATER

	Parts Per Million	Equivalents Per Million	%r
SiO <sub>2</sub>			
Fe			
Ca	16	0.80	
Mg	1.8	0.15	
Na	177	7.70	
K	3.4	0.09	
Cation Totals:		8.74	
CO <sub>3</sub>	0	0.00	
HCO <sub>3</sub>	96	1.57	
SO <sub>4</sub> (cal)	148.0K	3.02.0K	
Cl	147	4.15	
F			
NO <sub>3</sub>	0.3	0.00	
B			
Anion Totals:		5.72	gl

Specific conductance:  
 (micromhos at 25°C) 936  
 Total Dissolved Solids TAF  
 Sum (a) 538 TAF  
 Ignition loss  
 Percent Sodium 88  
 Total Iron (Fe)  
 Color pH 7.7  
 Turbidity  
 Hardness as CaCO<sub>3</sub>:  
 N. C. 0 Total 48  
 Remarks:  
 (a) Calculated

m storage facility  
 Disch:  
 °F  
 Burnham  
 -GW  
 Time: PST  
 Drilled:  
 Ft. Diam: in.  
 Ft. Perf: