

105/6E-20A1

Description and Location



Gravel Packed _____ Perforations _____ Capacity (gpm) _____ SWL _____
 Seal _____ At What Depth _____ Size Casing & Depth _____
 Surface Elev. _____ Datum _____ Source of Information _____ Log _____ Water Level Record _____

Lab./Field No.	<u>64823</u>											
Sampled By												
Date Collected												
Date Analyzed	<u>4-28-52</u>											
Temperature/pH				<u>7.2</u>								
EC x 10 ⁶ @ 25° C	<u>2619</u>											
Constituents in	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm
Cations:												
Ca			<u>226.0</u>									
Mg			<u>4.9</u>									
Na			<u>260.3</u>									
K												
Total Cations												
Anions:												
CO ₃			<u>0.0</u>									
HCO ₃			<u>89.7</u>									
SO ₄			<u>815.6</u>									
Cl			<u>161.7</u>									
NO ₃			<u>19.0</u>									
F												
Total Anions												
Balance												
Boron			<u>0.20</u>									
Silica												
Fe			<u>0.1</u>									
Total Solids/Sum	<u>1478.6</u>	<u>1622</u>		<u>1533.1</u>	<u>led</u>							
Per Cent Sodium		<u>49.2</u>										
Hardness: Total/NC	<u>585.0</u>											
Laboratory/Chemist	<u>Hankohl</u>											
Copied: Date/By	<u>9-1-53 H. Blaney</u>											
REMARKS: 1.	<u>submitted by Di Giorgio Farms.</u>											
2.												
3.												
4.												

HORNKOHL LABORATORIES

CHEMICAL AND TESTING ENGINEERS

714 TRUXTON AVENUE

BAKERSFIELD, CALIFORNIA

October 8, 1954

Laboratory No. 79495

Sample Water
Received September 29, 1954

Marked 9/25, Well # 16

Submitted by A. F. Peterson
1603 California Ave.
Bakersfield, Calif.

IRRIGATION WATER ANALYSIS

CONSTITUENTS			PARTS PER MILLION	GRAINS PER GALLON	IRRIGATION WATER CLASSIFICATION
CARBONATES	(ALKALI)	(CO ₃)	7.2	0.45	Fair-Good
BICARBONATES		(HCO ₃)	78.1	4.57	Good
CHLORIDES	(SALT)	(Cl)	197.2	11.53	Good
SULPHATES		(SO ₄)	804.8	50.57	Good
SULPHIDES		(S)	0.0	0.00	Good
NITRATES		(NO ₃)	2.0		Good
CALCIUM	(LIME)	(Ca)	299.2	17.50	Good
MAGNESIUM		(Mg)	28.8	1.68	Good
SODIUM		(Na)	178.9	10.46	Good
BORON		(B)	.05		Good
IRON		(Fe)	.1		Good
HARDNESS AS CaCO ₃			866.0	50.64	Good
TOTAL SOLIDS @ 105°C			1616.0	94.50	
TOTAL SOLIDS @ RED HEAT			1583.0	92.57	
pH (HYDROGEN ION CONCENTRATION)			8.3		Fair
SODIUM PERCENTAGE			31.0%		Good
COLOR	Water White				
ODOR	None				
TURBIDITY	Clear				
CONDUCTIVITY, MHOS/CM ³ X10 ⁵ @25°C.			265.9		

THEORETICAL ANALYSIS

Calcium Carbonate	12.0	0.70
Calcium Bicarbonate	103.7	6.06
Calcium Sulfate	914.9	53.50
Magnesium Sulfate	142.1	8.31
Sodium Sulfate	157.7	9.22
Sodium Chloride	325.0	19.00

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