

DIVISION OF WATER RESOURCES

Region 7

Investigation GEN WATER QUAL Ground Water Analyses

County S. D. Near BORREGO VALLEY

Basin BORREGO VALLEY

DWR No. 115/LE 3E1; SRBSM

Other No. 115/LE - 025015

Owner _____ Address _____
 Use _____ Depth _____ Date Completed 1953 Capacity (gpm) EST. 500 SWL _____
 Drawdown _____ Perforations _____ Size Casing & Depth 12"
 Gravel Packed _____ Seal _____ At What Depth _____ Log _____ Water Level Record _____
 Surface Elev. _____ Datum _____ Source of Information _____

Lab./Field No.		<u>P-828 236</u>		<u>5589 92742</u>									
Sampled By		<u>RIS GUNDERSEN</u>		<u>RIS GUNDERSEN</u>									
Date Collected		<u>8-17-54 1315</u>		<u>4-12-55 (1200)</u>									
Date Analyzed		<u>8/20/54</u>		<u>4-19-55</u>									
Temperature/pH		<u>24°C 7.7</u>		<u>25°C 7.6</u>									
EC x 10 ⁶ @ 25°C		<u>712.</u>		<u>976</u>									
Constituents in		epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm
Cations:	Ca	<u>2.98</u>		<u>59.6</u>	<u>5.19</u>		<u>104</u>						
	Mg	<u>1.07</u>		<u>13.0</u>	<u>1.56</u>		<u>19</u>						
	Na	<u>2.73</u>		<u>62.8</u>	<u>3.57</u>		<u>82</u>						
	K	<u>0.11</u>		<u>4.4</u>	<u>0.12</u>		<u>4.8</u>						
Total Cations		<u>6.89</u>		<u>10.44</u>									
Anions:	CO ₃	<u>0.0</u>		<u>0.0</u>	<u>0</u>		<u>0</u>						
	HCO ₃	<u>2.49</u>		<u>152.</u>	<u>2.60</u>		<u>159</u>						
	SO ₄	<u>2.33</u>		<u>114.</u>	<u>3.30</u>		<u>158</u>						
	CL	<u>1.85</u>		<u>65.5</u>	<u>4.17</u>		<u>148</u>						
	NO ₃	<u>0.26</u>		<u>16.0</u>	<u>0.53</u>		<u>32.7</u>						
	F	<u>0.01</u>		<u>0.2</u>	<u>0.02</u>		<u>0.4</u>						
Total Anions		<u>6.94</u>		<u>10.62</u>									
Balance													
Boron				<u>0.10</u>			<u>0.12</u>						
Silica													
Total Solids/Sum		<u>480.</u>		<u>680</u>									
Per Cent Sodium													
Hardness: Total/NC													
Laboratory/Chemist		<u>PCB</u>		<u>SB</u>	<u>SHAW</u>								
Copied: Date/By		<u>8/21/54</u>	<u>JN</u>										
REMARKS: 1. CLEAR - 1 RR 40 AC OF ALFALFA. PUMPING EST 500 GPM													
2. CLEAR - P.C. pump. Ppg.													
3.													
4.													

KEY PUNCHED

KEY PUNCHED

Region 7
Investigation GEN WATER PUBL
County S.D. Near BORREGO VALLEY

DIVISION OF WATER RESOURCES

Basin BORREGO VALLEY
DWR No 115/6E-3E1; SB B&M
Other Nos. _____

Owner _____ Address _____
Use _____ Depth _____ Date Completed 1953 Capacity (gpm) EST. 800 SWL _____
Drawdown _____ Perforations _____ Size Casing & Depth 12
Gravel Packed _____ Seal _____ At What Depth _____ Log _____ Water Level Record _____
Surface Elev. _____ Datum _____ Source of Information _____

Lab./Field No.	<u>P-828</u>		<u>236</u>		<u>5589</u>		<u>92742</u>					
Sampled By	<u>RIS GUNDERSON</u>		<u>RIS GUNDERSON</u>									
Date Collected	<u>8-17-54</u>		<u>1315</u>		<u>4-12-55</u>		<u>(1200)</u>					
Date Analyzed	<u>8/20/54</u>				<u>4-19-55</u>							
Temperature/pH	<u>24°C</u>		<u>7.7</u>		<u>25°C</u>		<u>7.6</u>					
EC x 10 ⁶ @ 25°C	<u>712.</u>				<u>976</u>							
Constituents in	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm
Cations:												
Ca	<u>2.98</u>		<u>59.6</u>	<u>5.19</u>		<u>104</u>						
Mg	<u>1.07</u>		<u>13.0</u>	<u>1.56</u>		<u>19</u>						
Na	<u>2.73</u>		<u>62.8</u>	<u>3.57</u>		<u>82</u>						
K	<u>0.11</u>		<u>4.4</u>	<u>0.12</u>		<u>4.8</u>						
Total Cations	<u>6.89</u>		<u>10.44</u>									
Anions:												
CO ₃	<u>0.0</u>		<u>0.0</u>	<u>0</u>		<u>0</u>						
HCO ₃	<u>2.49</u>		<u>152.</u>	<u>2.60</u>		<u>159</u>						
SO ₄	<u>2.33</u>		<u>114.</u>	<u>3.30</u>		<u>158</u>						
CL	<u>1.85</u>		<u>65.5</u>	<u>4.17</u>		<u>148</u>						
NO ₃	<u>0.26</u>		<u>16.0</u>	<u>0.53</u>		<u>32.7</u>						
F	<u>0.01</u>		<u>0.2</u>	<u>0.02</u>		<u>0.4</u>						
Total Anions	<u>6.94</u>		<u>10.62</u>									
Balance												
Boron			<u>0.10</u>			<u>0.12</u>						
Silica												
Total Solids/Sum	<u>480.</u>		<u>680</u>									
Per Cent Sodium												
Hardness: Total/NC												
Laboratory/Chemist	<u>PCC</u>		<u>SB</u>	<u>SHAW</u>								
Copied: Date/By	<u>8/21/54</u>	<u>JN</u>										
REMARKS:	<u>1. CLEAR - 1 RR 40 AC OF ALFALFA. PUMPING EST 800 GPM</u>											
	<u>2. CLEAR - P.C. pump. Pp9.</u>											