**FIELD TEST SHEET**

**OWNER**  
Palm Ranch Mutual Water Co. Ltd.  

**LOCATION**  
Earl Station  

**DATE**  
July 26, 1940  

**PLANT EQUIPMENT**

**PUMP:**
- Mfr.: L&B  
- Serial No.  
- Stages  
- Size  
- Setting  
- Head  
- L&B Underground Disch.  
- Pulley Dia.  
- Pulley Face  
- Belt Width  

**MOTOR OR ENGINE:**
- Mfr.: General Electric  
- Serial No.: 4812989  
- H.P.: 100  
- Frame: 539Y  
- Model: 13E709  
- Cycle: 50  
- Type: ET  
- R.P.M.: 1500  
- Volts: 440  
- Amps: 121  
- P.T. Ratio: 4.8  
- Power Co.: Edison  
- Co. Meter No.: 29381  
- No Name Plate  

**STARTER:**
- Mfr.: Westinghouse  
- Serial No.:  
- H.P.:  
- Type:  
- Cycle:  

**LINE SWITCH:**
- Cat.: 21436  
- Volts: 575  
- Amps: 400  

**TEST DATA**

<table>
<thead>
<tr>
<th>Run No.</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standing water level...</td>
<td>143'9&quot;</td>
<td>143'9&quot;</td>
<td>143'9&quot;</td>
</tr>
<tr>
<td>Standing air line pressure...</td>
<td>60'</td>
<td>60'</td>
<td>60'</td>
</tr>
<tr>
<td>Running air line pressure...</td>
<td>28'</td>
<td>32'</td>
<td>33'</td>
</tr>
<tr>
<td>Draw down...</td>
<td>32'</td>
<td>28'</td>
<td>27'</td>
</tr>
<tr>
<td>Running water level...</td>
<td>185'9&quot;</td>
<td>171'9&quot;</td>
<td>170'9&quot;</td>
</tr>
<tr>
<td>Surface lift...</td>
<td>4.8 Lbs.</td>
<td>98 Lbs.</td>
<td>102 Lbs.</td>
</tr>
<tr>
<td>9&quot; OD x 6-5/8&quot; Orifice Weir...</td>
<td>Flow Meter Dia. Pipe...</td>
<td>(Start)...</td>
<td>(Stop)...</td>
</tr>
<tr>
<td>Meter- Reservoir (Interval)...</td>
<td>Power Meter Disk (Secs)...</td>
<td>11...</td>
<td>67...</td>
</tr>
<tr>
<td>RPM (Motor or Engine)...</td>
<td>1475...</td>
<td>1475...</td>
<td>1475...</td>
</tr>
</tbody>
</table>

**PERFORMANCE**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Head...</td>
<td>286 Ft.</td>
<td>396 Ft.</td>
</tr>
<tr>
<td>Rate of Discharge - G.P.M...</td>
<td>860</td>
<td>650</td>
</tr>
<tr>
<td>&quot; &quot; - Minor's Inches...</td>
<td>84.4</td>
<td>72.2</td>
</tr>
<tr>
<td>H.P. to Motor...</td>
<td>118</td>
<td>118</td>
</tr>
<tr>
<td>H.P. to Pump...</td>
<td>88% Mtr.</td>
<td>104.5</td>
</tr>
<tr>
<td>Efficiency...</td>
<td>62.0</td>
<td>62.2</td>
</tr>
</tbody>
</table>

**NOTE:** Pumps some air.  
**x** Static surface pres. Run #1-32 lbs; Run #2-82 lbs; Run #3-92 lbs.