# FIELD BORING LOG

## Sample Number | Date | Sample From | Sample To | Stratum From | Stratum To | Classification - Remarks | Type Sampler
--- | --- | --- | --- | --- | --- | --- | ---

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Date</th>
<th>Sample From</th>
<th>Sample To</th>
<th>Stratum From</th>
<th>Stratum To</th>
<th>Classification - Remarks</th>
<th>Type Sampler</th>
</tr>
</thead>
</table>

**LMM 650**
**JAN '64**
# Relief Well Installation Report

## Project Details
- **Project:** Levee District
- **Location:**
- **Offset From Center Line:**
- **Well No.:**

## Drilling Details
- **Drilling Method:**
- **Date and Time:**
- **Well:**
- **Screen Type:**
- **Inside Diameter:**
- **Perforations:**

## Riser Details
- **Riser Type:**
- **Inside Diameter:**
- **Filter Type:**

## Ground Level Details
- **Ground Elev Depth at Well:**
- **Elev Top of Riser:**
- **Elev Top of Well Guard:**
- **Concrete Backfill:**

## Type of Well Guard Details
- **Type of Well Guard:**
- **Inside Diameter:**

## Contractor Details
- **Contractor:**
- **Contract No.:**
- **Forman:**
- **Operator:**

## Well Details
- **Well Screen Length:**
- **Depth of Sand in Well After Cleaning:**
- **Design Screen Length:**
- **Elev Top of Well Screen:**

## Total Screen Length
- **Total Screen Length:**
- **Elev Top of Filter:**
- **Blank Pipe Length:**
- **Inside Bottom Elev of Well:**

## Depth of Hole Details
- **Depth of Hole:**
- **Elev Riser Set At:**

## Surging Data
- **Surging Method:**
- **Date and Time:**
- **Total Surging Time:**
- **Gravel in Well Before Surging:**
- **Material Surged In:**
- **Surging Cycle:**
- **Cycle #1:**
- **Cycle #2:**
- **Cycle #3:**
- **Cycle #4:**
- **Cycle #5:**
- **Cycle #6:**
- **Cycle #7:**
- **Cycle #8:**
- **Total:**

## Settling of Filter During Surging

## Pumping Data
- **Rate of Pumping:**
- **Total Pumping Time:**
- **Rate of Sand Infiltration:**
- **Start:**
- **End:**

## Remarks

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**WES Form 797**

Mar '53

Revised Oct. '53
# RELIEF WELL PUMPING TEST REPORT

**PROJECT:**
**LEVEE**
**DISTRICT:**

**LOCATION (STA):**
**ELEV TOP OF RISER:**
**WELL NO.:**

**DATE:**
**TIME TEST STARTED:**
**TIME TEST COMPLETED:**

<table>
<thead>
<tr>
<th>TIME</th>
<th>ELAPSED TIME MINUTES</th>
<th>DEPTH TO WATER</th>
<th>DRAWDOWN IN FEET</th>
<th>FLOW IN GPM</th>
<th>TIME</th>
<th>ELAPSED TIME MINUTES</th>
<th>DEPTH TO WATER</th>
<th>DRAWDOWN IN FEET</th>
<th>FLOW IN GPM</th>
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**SAND INFILTRATION TEST**

**DEPTH OF WELL:**
**DEPTH TO SAND IN WELL BEFORE TEST:**
**SAND IN WELL BEFORE TEST:**

<table>
<thead>
<tr>
<th>TEST NO.</th>
<th>TIME</th>
<th>DEPTH TO SAND (FT)</th>
<th>SAND IN WELL (PTS)</th>
<th>GAIN OR LOST OF SAND IN WELL (PTS)</th>
<th>SAND PUMPED OUT OF WELL (PTS)</th>
<th>TOTAL INFLOW OF SAND INTO WELL (PTS)</th>
<th>LENGTH OF TEST (MIN)</th>
<th>RATE OF SAND INFILTRATION (PTS. HR)</th>
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**DEPTH TO SAND IN WELL AFTER TEST:**
**SAND IN WELL AFTER TEST:**
**SAND IN WELL AFTER CLEANING:**

**REMARKS:**

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**WES FORM 796**
**MAR ’53**
**REVISED OCT ’53**
**INSPECTOR**
## Well Development Data

<table>
<thead>
<tr>
<th>Development</th>
<th>Cycle</th>
<th>Start Date</th>
<th>Finish Time</th>
<th>Depth to Filter</th>
<th>Depth to Well Bottom</th>
<th>Filter Added</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surge / Int. Pump</td>
<td>Number</td>
<td>Date</td>
<td>Time</td>
<td>Filter</td>
<td>Well Bottom</td>
<td>Added</td>
<td>Comments</td>
</tr>
</tbody>
</table>

- Project: _______________
- Well #: _______________

This template is used to record the data related to the development cycle of a well, including the specific details of each cycle, such as the surge or internal pump number, start and finish dates and times, and any comments or additional notes.
# Sand Infiltration Test

**PROJECT:**

**WELL #:**

**JOB LOCATION:**

**WELL DEPTH (ft):**

**JOB #:**

**OPERATOR:**

**CLIENT:**

**INSPECTOR:**

**DATE:**

**PUMP TEST START TIME:**

<table>
<thead>
<tr>
<th>TEST #</th>
<th>TIME (min) (start/stop)</th>
<th>FLOWMETER READING (FLOW) (start/stop)</th>
<th>PUMPING RATE (gpm)</th>
<th>LENGTH OF TEST (min)</th>
<th>OUTLET VALVE FLOW (GPM)*</th>
<th>ROSSUM READING ml</th>
<th>SANDBING RATE ml / min</th>
<th>CONVERSION RATE * 528</th>
<th>SANDBING RATE (ppm)</th>
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<tbody>
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*Outlet valve should be calibrated to 0.5 GPM

Maximum Allowable sanding rate is 1pt / 25000 gal ~ 5ppm (parts per million)

If sanding rate exceeds specifications, describe measures taken between tests:

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