

UNHCR Well Cleaning and Chlorination Log Sheet

Well Location: _____

Well GPS Location: _____

Name of Well Caretaker: _____

Date of Visit: _____

WELL STATISTICS

Depth to Water Surface (m):	_____
Total Well Depth (m):	_____
Water Column (m):	_____
Internal Diameter of Well (cm):	_____

Calculated Water Volume (m ³):	_____
Operational Hours per Day (hours):	_____
Time Taken to Recharge (hours):	_____

NATURE OF CONTAMINATION

Reported / Suspected:

Observed:

FIELD WATER QUALITY TEST RESULTS

Turbidity (NTU):	_____
pH:	_____
Temperature (°C):	_____

TDS (mg/l):	_____
Conductivity (µS):	_____
Nitrates (mg/l):	_____

FAECAL CONTAMINATION TEST RESULTS

Samples Taken	Yes / No	Sample Numbers	Result (Ecoli/100ml)
Before Cleaning	_____	_____	_____
After Cleaning	_____	_____	_____
After Chlorination	_____	_____	_____

CHLORINATION RECORD

Chlorination Carried Out By:	_____
Chlorine Dosage (mg/l):	_____
Strength of Chlorine Solution (%):	_____
Free Chlorine Test Result (mg/l):	_____

Date: _____

GENERAL COMMENTS (cleaning activities undertaken, well condition, population served, protection etc.)

Notes

- The depth of the water column can be calculated by taking the depth to the water surface away from the total well depth.
- The calculated water volume can be calculated by multiplying the area (pi x radius²) by the water column.
- The water turbidity should be measured with a turbidity meter or if this is not possible, a Jackson Tube.
- The water pH should be measured with an electronic (recently calibrated) pH meter.
- The water temperature should be measured with an electronic thermometer or if this is not available, a mercury thermometer.
- The Total Dissolved Solids (TDS) and conductivity should be measured with recently calibrated electrical meters.
- The Nitrates reading need only be measured in areas close to intensive agriculture (crop production) and should be measured with a Hach Kit (program 51).
- The Free Chlorine Residual should be measured using a 'Pool Tester' found in the DelAgua Kit.
- The Free Chlorine residual at the tapstand should be in the range 0.2 - 0.5 mg/litre (after a contact time of at least 30 minutes).
- Completed forms should be returned to the Programme's Water Officer for filing and reporting purposes.