

A) Agei	ncy info	ormation		
Drilling	Agency	:		Drilling rig make and model:
Drilling	Officer:			Drilling fluid used:
Contact	details	· ·		Drilling bit sizes:
Name o	f Geolo	gist:		Date started:
Drilling	method	:		Date started: Date completed: Coordinates: Latitude: Longitude: Elevatiop Conduction Co
B) Bore	hole lo	cation		
District:				Coordinates:
Sub-dis	trict:			Latitude:
Village /	/ Camp:			Longitude:
Location	า:			Elevation
Denth	Time	Description	Acid test (Condy Sing
(m)	(hh:	(geology, colour,	(reaction	plan
()	mm)	density, hardness,	to 5%	CON ON WAS
	ŕ	gradations,	HCl acid)	S AR S AM
		angularity, odour,		5'x\\\ \(\)
		lamination etc.)	18	040
0m			(S) (Williams
2m				QVci
4m		- AKI	WELL	
6m		5° 3	5 VL	
8m			`~G'.	200
10m		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
12m		Ch. CO. Y	M	
14m	/,1/	N XHV IEV	1/90	
16m	Ch.	C. C. W. S	9 ′′	
_18 _C) (5×1× 1.5		
'S	4.	2		
112	5 (1	
. EL	X	<u> </u>		
8//	$\mathcal{D}_{\mathbf{A}}^{\mathbf{A}}$	N ₃ /		
~ [~ [y /		
3 7	ALL Y			
32m				
34m \	\langle \angle			
36M	<u> </u>			
38m				
40M				
42m				
44m 46m				
46m				
50m				



C) Borehole construction details	
Borehole diameter:	mm
Casing / screen diameter:	mm
Screen / slot size:	mm
Sodiment formation	
Sediment formation Head casing length:	m
	m
Casing length:	m
Screen length:	
Gravel pack length:	M Litron
Gravel pack volume	litres
Gravel pack size:	mm
Gravel pack type:	
Grout seal length:	m m
Total borehole depth:	
Hard rock formation	
Head casing length:	m
Casing length:	m
Screen length:	m
Grout seal length:	m
Total borehole depth:	m
Yield	
Static water level:	m
Dynamic water level:	m
Production yield:	m³/hr
Conductivity:	μS/cm
Equipping	
Pump type:	
Pump setting depth:	m
Centralizers:	Y/N
Rising main material:	
Rising main diameter:	mm



D) Remarks
E) Skatch plan of barabala location (chow any poarby buildings/footures and the porth direction)
E) Sketch plan of borehole location (show any nearby buildings/features and the north direction)



F) Borehole construction sketch (show dimensions)	



WASH actors must ensure that a drilling log, development log, constant discharge pump test, and step drawdown pump test are completed for every borehole installed in the refugee setting. Copies should be kept by the drilling agency, the WASH partner, national regulatory authorities, and UNHCR.

G) Borehole development

	Deptl	h (m)	Time	Measured	Dynamic	Observations	Conductivity
	Pipe	Hose	(min.)	yield (l/s)	water level	(presence of	(µS/cm)
Pumping					(m)	sand, clay etc.	
Flushing							
Pumping							
Pumping							
Flushing							
Pumping							
Pumping							
Flushing							
Pumping							
Pumping							
Flushing							
Pumping							
Pumping							
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Pumping							
Pumping							
Flushing							
Pumping							
Pumping							
Flushing							
Pumping							
Compressor	size:				Remarks:	1	l
Compressor							
Compressor							
Compressor	model.						
				1			



H) Constant duration pumping test

Boreholes that will be equipped with handpumps need only be subjected to a constant discharge pump test for 12 hours. Production boreholes that will be motorized must be tested for 48 hours.

		PUMPIN	IG			RECO	OVERY	
Time	Pumping	Water	Drawdown	Discharge	Time	Recovery	Water	Residual
	time	level	(m)	(l/s)		time	level	drawdown
	(minutes)	(m)				(minutes)	(m)	(m)
	0							
	3							
	5							
	10							
	15							
	20							
	30							
	40							
	50							
	(1H) 60							
	80							
	100							
	(2H) 120							
	140							
	160							
	(3H) 180							
	210							
	(4H) 240							
	270							
	(5H) 300							
	330							
	(6H) 360							
	(7H) 420							
	(8H) 480							
	(9H) 540							
	(10H) 600							
	(11H) 660							
	(12H) 720							
	(13H) 780							
	(14H) 840							
	(16H) 960							
	(18H) 1080							
	(20H) 1200							
	(22H) 1320							
	(24H) 1440							
	(32H) 1920							
	(40H) 2400							
	(48H) 2880							
Dischar	ge rate (l/s):				Observ	ations:		
Duratio	n (hours):							



I) Step drawdown pumping test

Three constant discharge steps must be selected with the third step being 20% greater than the design yield. The duration of each step is 2 hours.

STEP	n°: 1	Discha	rge rate (I/s)	:	Pumpir	ng duration :		2 hours
	-	PUMPIN	IG	_		RECO	OVER	Υ
Time	Pumping time (minutes)	Water level (m)	Drawdown (m)	Discharge (l/s)	Time	Recovery time (minutes)	Wat leve (m	el drawdown
	0							
	1							
	2							
	3							
	5							
	10							
	15							
	20							
	30							
	40							
	50							
	(1H) 60							
	80							
	100							
	(2H) 120							

STEP I	n°: 2	Discha	rge rate (I/s)	:	Pumpii	ng duration :	1		2 hours
	-	PUMPIN	IG	-		RECO	OVER	1	
Time	Pumping time (minutes)	Water level (m)	Drawdown (m)	Discharge (l/s)	Time	Recovery time (minutes)	Wat leve (m	el	Residual drawdown (m)
	0								
	1								
	2								
	3								
	5								
	10								
	15								
	20								
	30								
	40								
	50								
	(1H) 60								
	80								
	100								
	(2H) 120								



STEP r	า° : 3	Discha	rge rate (I/s)	:	Pumpir	ng duration :		2 hours
		PUMPIN	IG			RECO	OVER	Y
Time	Pumping time (minutes)	Water level (m)	Drawdown (m)	Discharge (l/s)	Time	Recovery time (minutes)	Wat leve (m	el drawdown
	0							
	1							
	2							
	3							
	5							
	10							
	15							
	20							
	30							
	40							
	50							
	(1H) 60							
	80							
	100							
	(2H) 120							

Observations:	

