

Form: WRMA 009A Catchment: TANA WRMA ID:WRMA

## Water Resources Management Authority

## **BOREHOLE COMPLETION RECORD**

(To be submitted in triplicate)

(Rule 33)

Borehole No: C -

Borehole Name: SHANKOE PRIMARY SCHOOL BOREHOLE

Formation: **VOLCANIC** 

PARTICULARS		PLICA	NT	DETAILS				
1. Full name of ap	oplicant(s)	(In Bloc	ck Letters)	SHANKOE PRIMARY SCHOOL				
			al, Group [Association,	INSTITUTION				
Society], Company,								
3. ID Number of Applicant (Individual) or Certificate of				•				
Incorporation or Re	gistration	for Grou	ips or Companies					
4. PIN Number								
Physical Address where water is to be used (see sketch)				Contact Address of	Applicant			
5. L/R Number(s)			6. Box Number		245			
7. Village(s)/Ward				8. Town		KILGOR	IS	
9. Sub-location(s)		AIYENY		10. Post Code		40700		
11. Location(s)	SI	IANKO	E	12. Telephone Conta	ict			
12 21 11				(Landline)		-		
13. Division(s)	-			14. Telephone Conta	ict	-		
15 Cl. C	(FE) T	DANIGR #	ADA WECE	(Mobile)				
15. Sub-County	TRANSMARA WEST		16. Email Contact		-			
17. County NAROK			18.					
PARTICULARS OF CONTRACTOR			BETTERLINE WATER LIMITED.					
19. Box Number	19. Box Number <b>27277</b>			22. License Number WD/WC/4010			/4010	
20. Town	20. Town NAIR		OBI	23. Gazetted On		02/02/2021		
21. Post Code	21. Post Code <b>00100</b>			24. Drilling Superv	risor	MR. IKU	JA WAWERU	
22. Telephone Co	ntact	+2547	36948511	25. Type and Make	of Drill	MAX DI	RILL 2023	
(Landline)				Rig				
23. Telephone Co	ntact	+2547	22619402					
(Mobile)								
24. Email Contact	t	info@	betterlinewater.com					
INTENDED US	SE OF V	VATE	R					
			Domestic.; Stock, other	DOMESTIC				
PARTICULARS								
Type of Borehole: -	- Drilled;	Driven; 1	Bored; Jetted; Other	DRILLED				
Borehole Construc								
	28.09.20		Drilling completed	30.09.2024	All work	completed	30.9.2024	
(date)			(date)		(date)	-		
Total Depth:	160		Measured (m)	160	Final (bac	k-filled)	NIL	
Reported (m)			, ,		Depth (m)	)		
Hole Diameter	215		From (m)	0	To (m)		160	
(mm)								
Hole Diameter			From (m)		To (m)			
(mm)								



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Permane	nt Casing	3											
Plain													
Type	Mild ste	eel	Diam (mm)		228	Length (m)	6	From (m)	l	0	To (m)		6
Туре			Diam (mm)		152	Length (m)	120	From (m)	l	0 24 36 72 96 120 144 162	To (m)		12 30 54 90 114 138 156 180
Slotted or	Perforat	ed:				<b>.</b>							
Size and I	escriptio	n of	Open	ings									
Туре	Mild ste	eel	Diam (mm)		152	Length (m)	60	From (m)		12 30 54 90 114 138 156	To (m)		24 36 72 96 120 144 162
Type and	Make				Mild S	steel -							
Diameter (mm)				Length	n (m)		Set from	m (m)			To (m)		
Gravel Pa	ck												
Size of gra (mm)		2-3r	nm			ndness (good, poor)	GOOD			Volume annular S (m3)	inserted in Space	4.2	
					Fron	m (m)	0			To (m)		180	
Open Hole						. ()				Tr. ( )			
Diam (mm Aquifer	)	-	Ī		Fron	m (m)	-			To (m)		-	
1 <sup>st</sup> Water S 2 <sup>nd</sup> Water S	Struck at	(m)		40-46 55-85			Water Rest Level (m Water Rest Level (m						
3 <sup>rd</sup> water st	,		m)				Water	Rest Leve	el (m)	)	2.99		
Water bear material			From (m)		Water Rest Level (n		(111)	To (m)					
Other Aqua (also see lo			s, etc	-GO	OD								
Yield: SW	L (m)	28.3	34m	1	PWL (m below surface)		36.80m		Discharge (litres per minute)		466	.67L	
After pump					24		Recovered to SWL in (minutes)			s)	60		
Expected per hour)	roduction	n disc	charge	(litres	28,0	00L	With p	ump set a	at (m	below sur	rface)	146	m



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Pumping Test Record in Summary (Detailed test records on at	tached sheets): (all depth	measurements to be in
metres below ground surface)		
	Test No. 1	Test No. 2
Date of Test (day, month, year)	15.10.2024 TO	
	16.10.2024	
Depth of Borehole at time of test (m)	160	
Water Entry (perforations or screen setting at time of test)	Refer to page 2	
Static Water (SWL) before test (m)	28.34	
Type of Pump (Bailler) used	Shakti QF30-27	
Depth of Pump intake (m)	146	
Discharge (in litres per minute)	466.67	
Pumping Water Level (PWL m)	36.80	
After pumping continuously for (hours)	24	
Time of Recovery to Original SWL (minutes)	60	
Rate of Recovery-WL after 5 minutes (m)	31.81m (12.57%)	
Rate of Recovery-WL after 20 minutes (m)	31.27m (54.84%)	
Rate of Recovery-WL after 60 minutes (m)	30.38m (95.06%)	
Rate of Recovery-WL after 120 minutes (m)		

Quality of Water					
Sample (Yes/No)	YES	Collected at	1918HRS	On (date)	16.10.2024
_		(hour)			
Sediment		Taste	-	Odour	
Colour (Pt. Co. APHA)		Temperature (0c)	-	Spec.	
				Conductivity	
				(µmho/cm <sup>3</sup> )	

Remarks: (drilling difficulties, gravel-pack details, all pertinent information about the drilling and completion of the hole)	Drilling formation good
,	

Drilling Supervis	or	Drilling Contractor				
Signature		Signature				
Name	MR. IKUA WAWERU	Name	BETTERLINE WATER LTD			
DATE	30.9.2024		30.09.2024			

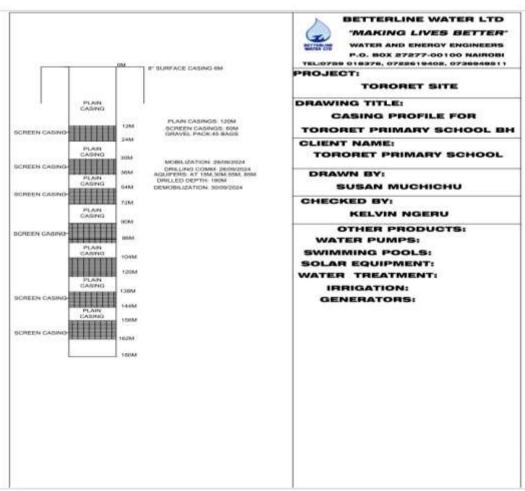


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## 1. Driller's Log.

Depth (m)	Resistivity (Ohm-m)	Geological nature
0 – 1	50.3	Lateritic soil
1 – 13	18	Sandy-loam soil
13- 112	97	Partially weathered volcanics
>112	19	Highly weathered volcanics/sediments

## 2. Sketch of Borehole Construction:



(Geologist's log on attached sheets).

Remarks or additional information on Driller's log, or on sketch of Borehole:



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Formations	encountered	are basically	Sediments.	Borehole	sketch not	drawn to	scale, it	shows th	ne casing
design									



13. *Location Sketch*: (To be sketched by the driller on the site, showing roads, tracks and prominent land marks, with road distances to the nearest town or trading centre and to water source).

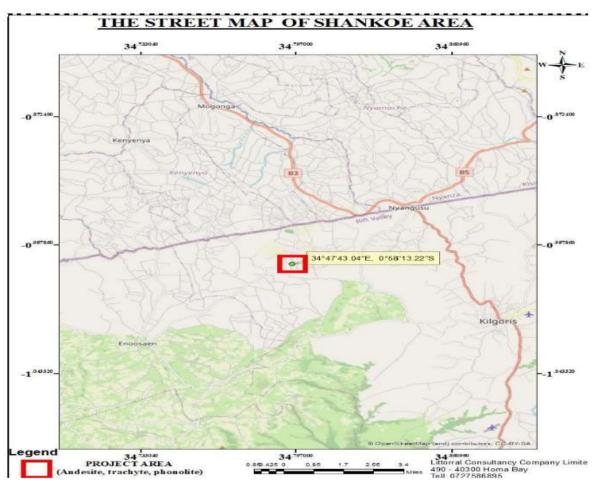
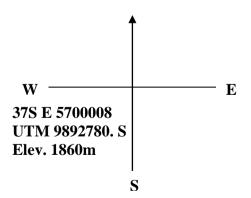


Figure 1: Project area



For Official Use Only						
Entered on Schedule	(Yes/No) Water Sample Received	(Yes/No)				
Drilling Samples Received	(Yes/No) Chemical Analysis Received	(Yes/No)				
Drilling Samples Filed	(Yes/No) Geologist's Log Available	(Yes/No)				
Location Plotted on Maps	(Yes/No)					
-	Hydro geological Report No	f				



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		(Date)
	Geophysical Curve Noof	(Date)
Borehole Data entered and checked by (Name)	Signature	,
Permit details		
Permit Number	Authorised abstraction	$\dots m^3/d$
Authorised water use(s)		
Pump intake depth m bgl	Maximum authorised abstraction rate	$\dots$ m <sup>3</sup> /hr
All Borehole Completion Records duly completed s	should be sent to the appropriate WRMA Re	gional Office.