



**KENYA**

*Mulele Village*

*Given In Memory of Jack McAtee*

2015 INVESTMENT

# WATER

## Community Details

The local primary and secondary school previously relied on spring water that was not only unsafe to drink, but was also unsafe to collect. The school is located in south Kakamega. The community has a population of 466 families, and the school has 456 students. Because of the rapid student population growth and increased demand for water in the school, the school body endured great challenges—the main challenge being safe water. The students would scramble before and after class to collect water from the spring, which was risky, and the water was not sufficient to support their needs. Sometimes, children would have to miss class or leave during their studies to fetch water. This resulted in lost educational days for the students and high absentee rates for the school. After months of discussion with the school management, the Living Water Service Centre, because of the generous donation given to honor the memory of Jack McAtee, was able to help the school and community achieve regular, safe water access. Because they now have access to a safe water source, the students are free to spend more time in their studies and no longer waste learning time collecting water from a spring.

While the much needed, safe water was secured in the village and will directly benefit the community and school, the team's intervention did not end when safe water was secured, but continued as the team taught students, teachers, and residents how to make informed hygienic and sanitary decisions so that they could enjoy the full benefits of having safe water access. During the week, the hygiene promoters discouraged the practice of open defecation and encouraged the regular practice of handwashing. The team used the lesson "Clean Hands Clean Hearts" to parallel the need for Jesus to "clean" our hearts just as we need soap and water to clean our hands, and the lessons and discussion topics were all taught using the LWI Traditional Method, which allowed for active participation and discussion. The team ended the hygiene lessons with prayer and later, with support from the local church, shared Scriptures, oral Bible stories, and the Word of God with families.

It was during this time that the opportunity to receive life was fully presented. When the students participated in the storytelling, eyes were opened to what it means to live life for Christ. In all, life was changed for 456 students and 466 families through the provision of safe water and the offer of salvation through the "living water"—Jesus Christ. Thank you, family of Jack McAtee, for giving in honor of his memory. Truly your donation that has allowed healing for both the body and the spirit of this once-thirsty community. Thank you.

## Project Details

Product	New
Location of water point	Mulele, Western, Kakamega South (Ikolomani), Kenya
GPS Coordinates	Latitude:00 07.833 N    Longitude: 034 45.509 E

### School

Grade Levels	Primary and secondary
Total number of Students	Boys: 206                      Girls: 250
Latrine: Pupil Ratio	206:8 for boys and 250:8 for girls.

### Construction

Altitude	1741 m
Total depth drilled	44 m

Static level	15 m
Total depth of casing	44 m
External Diameter of casing	100 mm
Casing material	PVC
Screen	Start: 9 m Stop: 4 m
Pump Type	Afridev
Depth of cylinder	38 m
Gravel Pack	Yes
Gravel Pack Depth	30 m
Well yield	11 Liters/minute
Sanitary seal depth from surface	1 m
Shock Chlorination	Yes
Problems Encountered	The field staff shared, "The drilling was hard because the soil was caving in and there was also rock or hard formations that needed a hammer to penetrate and deepen the well."

### Well Platform

Platform is concrete with reinforcing steel	Yes
Dimension of Platform (H*W*L)	1*2*6
Drainage Channel or soak pit installed	Yes

### Water Quality Results

Water Purity Test	LWI Test Kit
Total Dissolved Solids (as per T.D.S meter) :	58
pH:	5
Total Hardness:	0 Ppm
Nitrate/Nitrites:	8 Ppm
Bacteria Test	Coliform Bacteria NOT detected (Colorless or Light Yellow color)

## FOR LIFE

### *Hygiene Promotion*

The hygiene promotion team shared, “The pupils were advised to keep their classrooms clean and tidy since they have enough clean water on the school compound. They were also advised to keep the well clean, secure, and protected from intruders because they have suffered for a long time without water. The community and the entire school were also advised further to keep their hands clean after they visit latrines and toilets. Pastor Jairus told them that they should maintain high standards of cleanliness because cleanliness is near to God our Father and also clean hands leads to clean food and even to clean hearts.” During the week the team addressed the topics of germs, latrine perception, handwashing, how to take proper care of the pump, and how to keep the water clean. There were 50 people who directly benefitted from the lessons and discussions and who were equipped to share safe hygiene and sanitation behaviors with their friends and families.

### *Community Member Interview*

“Children got sick frequently due to the dirty water they were drinking from the unprotected spring,” shared the school's head teacher, Wycliffe Isagi Angode. “The water was not enough for the school and the community, and everyone wasted a lot of time fetching water from the spring. The school had a high absentee rate, and this was a big problem. Thank you for this well. It will lead to a better life for the students and the community. It will also lead to better school enrollment.”

## IN JESUS' NAME

### *Christian Witness*

The field staff shared, “During dedication, discipleship was conducted. Evangelism was conducted during drilling through house-to-house ministry. During the Christian witness, pupils and community members gave their lives to Jesus Christ. Afterwards, they prayed for the community and advised the assembled crowd to live a life that reflects that of Jesus Christ.” The church was also involved in the project and will continue to provide spiritual nourishment for the school and village by preaching the gospel to all who will listen. “The church will also help guide the school children towards making good life decisions, having good morals, and having good values,” shared the field staff. The church will work to keep the gospel alive in Mulele village for both the community and the school.



## *PHOTOS*



The previous water source that the students and village depended on to support all of their water needs.



Drilling commences in Mulele village!



The drill team works to install the new hand pump.



A close-up picture of the plaque that was secured to the well base.





Students gather for the well inauguration ceremony.



Members of the water committee stand for a picture with the water point that they are committed to maintaining.



Safe water was given to the people of Mulele in Jesus' name!



A close-up picture of the plaque that reads John 16:33.





A picture of the plaque that was secured to the well base.