

WELL #3 FINAL REPORT



HONDURAS

Elixir, Colon, Sabá

Latitude: 015 32.149 N, Longitude: 086 16.907 W





CALVARY BAPTIST CHURCH

WATER

Community Details

When the Living Water Honduras team arrived, approximately 80 households and a primary school with over 450 students relied on contaminated water from a nearby river or a cart to meet all of their water needs. This was the cause of many preventable water-borne illnesses as well as dehydration. A lack of safe water impacts students' health and education, as many times they are forced to miss school due to being sick. The Living Water Honduras team was pleased to see that the community had access to pit latrines, a VIP pit latrine, and a pour flush toilet, but the water access was definitely a problem. The team was able to successfully drill a new borehole and installed an easy-to-use Afridev hand pump that the students and their families could use.

Estimated number of households in community	80
Types of Institutions in Community	Schools, Church(s)
Religious Affiliations	Protestant, Catholic
Existing Water supply for public use-check all that apply and quantity	Surface water (River, dam, lake, pond, stream, canal, irrigation channel) - 1 Cart with small tank/drum - 1
Primary types of sanitation facilities in the community?	Pit Latrines, VIP Pit Latrine, Pour Flush Toilet
How did the community contact LWI?	Letter, Visited another project LWI was doing, In Person
What was the Initial Community Request?	Water Well
Local Churches	a Bautista;La Catholica

Project Details

Is this Water Intervention Unsuccessful?	No	
Work Type	New Borehole	
Location of water point	Rural Village	
Type of Institution Served	Primary School	
Region/Province	Colon	
GPS Coordinates	Latitude:015 32.149 N	Longitude: 086 16.907 W

School

Grade Levels		
Total number of Students	Boys: 200	Girls: 273
Latrine: Pupil Ratio	1:43	

Construction

Altitude	85 m	
Total depth drilled	23 m	
Static level	13 m	
Total depth of casing	23 m	
External Diameter of casing	100 mm	
Casing material	PVC	
Screen	Start: 20m	Stop: 23 m
Pump Type	Afridev	
Depth of cylinder	18 m	
Gravel Pack	No	
Gravel Pack Depth	9	
Well yield	208 Liters/minute	
Sanitary seal depth from surface	15 m	
Shock Chlorination	Yes	

Well Platform

Platform is concrete with reinforcing steel	Yes	
Dimension of Platform (H*W*L)	.25*1.8*3	
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) :	129
pH:	6
Total Hardness:	0 Ppm
Nitrate/Nitrites:	0 Ppm
Bacteria Test	Coliform Bacteria NOT detected (Colorless or Light Yellow color)

FOR LIFE

Hygiene Promotion

The Living Water Honduras team visited the local school to conduct the hygiene education. During these sessions, the team addressed: Hand washing, how to properly transport and store water, keeping the water clean, disease transmission and prevention, how to maintain proper care of the pump, differences between healthy and unhealthy communities, good and bad hygiene behaviors, latrine perception, and causes of diarrhea (with the usage of the “diarrhea doll”). All of these lessons were taught in a participatory method to help the children discover ways to improve their hygiene and sanitation choices, with the hopes that they would then take what they learn home to their families. The team also had the opportunity to tell Bible stories after the hygiene lessons and make crafts with the children.

A Living Water Honduras team member stated, about the experience, “The kids were happy to have us at their school sharing health and hygiene lessons and the precious Word of God. They also were taught some songs, which they enjoyed. The crafts were appreciated and we knew this from the smiles on their faces. The fruit of the spirits and good values were shared too.”

Type of Hygiene and Sanitation Approach	Living Well Club, LWI Traditional Method
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Community Member Interview

The Living Water Honduras team had the opportunity to meet with 54-year-old primary school teacher and community member, Jose Ramos, who stated: “We have been suffering for a long time, due to the lack of clean water. Many children have had stomach problems (diarrhea and malaria). Thanks to this great organization, Living Water, for their effort in providing this project, which is the solution to our problems: the powerful Word of God and clean water.”

IN JESUS' NAME

Christian Witness

Considering 80% of developing countries are oral preference learners, oral disciple making methods are Living Water International's core component of sharing the Gospel in areas of work. Living Water International provides pastoral care and discipleship of field staff, so pastors and LWI staff are better able to share the Gospel with spiritually thirsty communities. To make disciples of oral learners, Living Water Honduras uses stories, proverbs, drama, songs, chants, and poetry to better engage communities.

The team tells Bible stories to community families and asks questions to help guide community members to interpret scripture into their own context. In addition to the Bible stories told to the children at the school during the hygiene education, the gospel of Jesus was also shared at the well dedication. A Living Water Honduras team member stated: "After sharing the Word of God at the well dedication, lives were set free from the bondage of sin, guilt, and shame. We gave thanks to God for His wonderful words that set the captives free!"

Living Water also acknowledges that God is at work in communities before we arrive and after we leave, so the team works with the local church in an empowerment model to further shepherd the community after the team's departure.

PHOTOS



The community was forced to use surface water like this to meet all of their water needs.



Close up of the plaque on the pump.



A member of the community tries out the new hand pump, while children from the nearby primary school observe.



A water committee was established to ensure the well is properly cared for and maintained. They were also given Living Water Honduras' contact information in case the well were to break or need repairs.



The Living Water Honduras team drilling the new borehole for the community.



The completed water project with cement base, Afridev hand pump, and plaque.



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The Living Water Honduras team had the opportunity to interact with the students of the school throughout the week.



The team gets ready to develop the well.



The children enjoy playing in the water as the well was being developed. In so many countries, children never get the opportunity to play in water as it is always so scarce.



The Living Water Honduras drilling team get ready to install the PVC pipe into the well.



The Living Water Honduras hygiene team gives lessons to the students at the nearby primary school.



Additional hygiene lessons with the students.



One of the previous water sources that the community relied on to meet their growing water needs.



Students practice getting water from the new well.



A Living Water Honduras member gathers water for quality testing.



The water is tested for pH level, hardness, nitrates/nitrites, and the presence of coliform bacteria.



Water testing in process.



Students observe as the water goes through the various tests.