



HONDURAS

Aldea Rio de Piedra Community

Calvary Baptist Church of West Lafayette

2015 SHORT-TERM TRIP

WATER

Community Details

For the 46-family community and 95-student primary school in Aldea Rio de Piedra, safe drinking water was not an option. Forced to use river water near a dam for drinking, bathing, cleaning and cooking, illness perpetuated. Dysentery, malaria and respiratory illnesses became a regular occurrence due to the dirty water and a lack of education in hygiene and sanitation. Additionally, educational days were lost and community development stagnated as the effects of unsafe water filtered through the community. In an effort to be freed from their water burdens, community leaders walked to Living Water and asked for a safe water source. Because of the generous giving of Calvary Baptist Church of West Lafayette, Living Water was able to respond, and provide the community with safe water!

Not only did Calvary Baptist Church of West Lafayette donate resources for a well to be drilled in Aldea Rio de Piedra, but they also donated their time and went to Honduras to drill the well themselves! Together and with support from the community, the Living Water and short-term team drilled a 49-meter-deep well, chlorinated it and capped it with an Afridev hand pump yielding 20 liters of safe water per minute!

Support for the people of Honduras did not end as safe water was secured, but continued as the short-term team shared life-saving hygiene and sanitation lessons and wove in the gospel, the eternal life-saving message of Jesus Christ. The local church, Iglesia Evangelica, also supported the team's work and will continue to work in Aldea Rio de Piedra to train up ambassadors for Christ! In all, 46 families and 95 students were offered safe water access in the name of Jesus Christ. Thank you, Calvary Baptist Church of West Lafayette, for your donation that has allowed this community to not only know safe water, but also to know that they are loved by their Maker.

Project Details

Product	New
Location of water point	Aldea Rio de Piedra, Colon, Sonaguera, Honduras
Type of Institution Served	Village
GPS Coordinates	Latitude:015 38.544 N Longitude: 086 15.220 W

School

Grade Levels	Primary
Total number of Students	Boys: 53 Girls: 42
Latrine: Pupil Ratio	15 to 1

Construction

Altitude	98 m
Total depth drilled	49 m
Static level	27 m
Total depth of casing	49 m
External Diameter of casing	100 mm
Casing material	PVC

Screen	Start: 46 m	Stop: 49 m
Pump Type		Afridev
Depth of cylinder		42 m
Gravel Pack		Yes
Gravel Pack Depth		9 m
Well yield		20 Liters/minute
Sanitary seal depth from surface		40 m
Shock Chlorination		Yes

Well Platform

Platform is concrete with reinforcing steel	Yes
Dimension of Platform (H*W*L)	.25*2*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) :	172
pH:	7
Total Hardness:	0 Ppm
Nitrate/Nitrites:	0 Ppm
Bacteria Test	Coliform Bacteria NOT detected (Colorless or Light Yellow color)

FOR LIFE

Hygiene Promotion

While securing safe drinking water in a thirsty community is paramount for improved health and foundational for community development and educational days, safe water will only remain safe when coupled with good hygiene and sanitation behaviors. To help families in Aldea Rio de Piedra keep their water safe, the Living Well Club used a participatory LWI Traditional Method to share hygiene and sanitation lessons: disease transmission, germs, hand washing-proper techniques and water-saving methods, diarrhea doll-causes of diarrhea, Living Well Club Bible stories, disease transmission stories, proper care of the pump and keeping the water clean. A Living Well Club team member commented:

Health and Hygiene lessons have been wonderful this week. Children and the ladies who attended these lessons really had fun and learned so much about Jesus' love and mercy towards his children. Children sang several songs during the lessons along with the teachers and we definitely had fun. We are blessed to have had the opportunity to visit these communities and share the Word of love.

Community Member Interview

"We are very thankful with God and the Living Water short-term team for bringing this project to our community," shared 41-year-old community member, housewife and beneficiary, Maria Carcamo. "We know it will be beneficial to everybody. We have had several problems with water access because the only source of water we had before was a dam and people used the water to bathe, making this source contaminated. Now that we own this water pump, we feel free and safe. Our children will now consume clean water, and nobody will have to suffer from water-related diseases. We are grateful and we encourage you to keep serving the Lord the way you do."

IN JESUS' NAME

Christian Witness

To keep the gospel alive in Aldea Rio de Piedra, the Living Water team provided the local church with diverse materials to help them share God's Word: Bibles, coloring books, Bible stories for children, flannel boards and more. Providing these materials to the local church will help them spread the Word to people from all ages. Also, providing training in evangelism and discipleship was prioritized and will continue to be fulfilled by the Living Water team. Local church leaders and pastors will continue to have access to training and gospel-proclamation materials distributed by the Living Water team and will have opportunities to attend Living Water trainings. In all, 97 people (5 men, 9 women and 83 children) were both informed of and shown Christ-like love through Scripture reading and by observing love acted out before them by the short-term team from Calvary Baptist Church of West Lafayette. The Living Water Evangelist shared:

The Word of God was shared at all times during our visit in this community. Health and hygiene lessons were a wonderful tool to reach children and adults in order to teach them about God's love. Singing, playing games, crafts and other presentations were done during the classes, and children had so much fun with the team that was present. The Bible story of the 'Wordless Book' was presented to those who attended the lessons, and we could see that the children and adults understood the true meaning of God's Love. During the well dedication ceremony, the gospel was presented in a powerful way. Everybody was receptive and attentive to the dedication ceremony and to God's hand that was moving among the crowd. We are sure that God's hand will keep working in the hearts of those who heard his voice.

PHOTOS



The previous water source and river that was depended on by the entire community to support all of their water needs for drinking, cooking, cleaning and bathing.



A close-up picture of the plaque that represents international Christ-like love that was given to the people of Honduras.



Beneficiaries gather to watch the team work and to offer support when possible.



Drilling commences.



The dirt road leading to the drill site.



The short-term team from Calvary Baptist Church of West Lafayette work to secure the safe drinking water that the people so desperately needed.



The Living Well Club shares hygiene and sanitation lessons with women and children.



Community housing—oftentimes, multiple generations occupy one dwelling.



Children craft during hygiene and sanitation lessons.



Children gathered after hygiene and sanitation lessons.



A picture of the improved water point that now allows safe water to benefit the entire 46-family community of Aldea Rio de Piedra.



The Living Water Honduras team explains the water quality testing to a young beneficiary.



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Beneficiaries and primary school students pump safe water from the new well.