

**PROJECT COMPLETION REPORT
ON THE CONSTRUCTION OF ONE
WATER WELL**

**IN
THE GBEREGI COMMUNITY,
KWALI AREA COUNCIL OF ABUJA
FCT, NIGERIA.**

**SUBMITTED BY NDIFREKE UKO
WRITTEN BY, CONTRACTING ENGINEER**

APRIL, 2024

CLIENT: JHB HOPE FOUNDATION UNDER JESUS HOUSE BALTIMORE MARYLAND USA AND NAFH, NIGERIA

Location: Gbereg Community, Kwali Area Council, Abuja, Nigeria

Project Start Date: DECEMBER 2023

Project Completion Date: APRIL 2024

Drilling Company: Roots Drilling & Engineering Construction Limited

Project Goals:

The strategic objective of this project was to foster access to safe and clean water, which has a significant impact on the health and safety of the said community, as it will greatly improve the hygiene conditions of the villagers and sustainability and reduce the incidence of waterborne diseases, especially in children and the youths. In line with the 2030 Agenda for Sustainable Development, adopted by all United Nations Member States SDG 6 (clean water and sanitation)

A secondary objective was to ensure the project was delivered to contribute to humanitarian interventions and by so this opportunity to reach out with the good news of Jesus Christ to the people of the Gbereg community and none of these changed.

Project Summary:

This report details the completion of a borehole project undertaken for **JHB HOPE FOUNDATION UNDER JESUS HOUSE BALTIMORE MARYLAND USA AND NAFH, NIGERIA**. The project is situated at **Gbereg community in Kwali area council, Abuja Nigeria**.

The project aimed to drill a borehole to a target depth of [50m to 120m] to provide access to clean water for domestic use. Providing safe drinking water. This report also captured the actual project cost, application for variation, and initial project bill as shown in the tables below.

Project Scope:

1. The scope of this project covers, investigating groundwater feasibility in the Gberegi community
2. The drilling of the borehole to a target depth of 50m to 120m as recommended in the geo-survey report
3. Installation of [Casing Material, e.g., plastic pressure casement] to ensure borehole stability.
4. Development of the borehole to improve water yield [Pump installation].
5. Water yield testing to determine the borehole's capacity.
6. Demobilization of drilling rig and site clean-up.
7. Project results for safe use and Commissioning.

The borehole was drilled to a final depth of seventy meters [70m].

The area is underlain by Gneiss & Magmatite group of rocks which belong to the Basement Complex Rocks. Groundwater occurs in the Basement Complex in the weathered zone at a depth of 50m to 70m with an overburden of 15m.

The borehole development is believed to have yielded a sustained flow rate of 5,000 Litres per hour as seen in the flushing of the well.

Milestone Reached:

1. The drilling data/ information showing the bed and tentative water formation [Geophysical survey report
2. Improvement on the accessible road for the drilling also archived in collaboration with the community

3. Mechanical pump [hand pump] which was recommended, purchased, and delivered.
4. Drilling successfully carried out
5. Pump installation done
6. Site clean-up and demobilization
7. Project commissioning for use is also done

Challenges Encountered:

Throughout the journey of our project, we've faced numerous unforeseen difficulties that weren't apparent during the initial stages of conception. One notable challenge has been the volatile nature of the terrain, compounded by the area's unfortunate reputation as a kidnapping hotspot in Nigeria. Additionally, the relentless increase in prices within the Nigerian market presented an immediate hurdle that demanded creative solutions.

Key Takeaways:

However, amidst these adversities, there have been profound lessons learned and moments of remarkable progress. Despite the obstacles, we've witnessed unwavering commitment from both the community members and the contracting team. These individuals, driven by their faith and dedication to exalting the name of Jesus Christ, have fearlessly navigated the risks, often enduring long and arduous journeys to access the community. Their resilience serves as a testament to the power of unwavering faith and the transformative impact it can have even in the face of adversity.

Despite the delays and challenges encountered, their steadfast dedication inspires us to press forward with renewed determination, knowing that our collective efforts are making a meaningful difference in the lives of those we serve.

Feedback From The Community:



THE VILLAGE HEAD GBEREGI

CHIEF ISAAC SAIALLAH KARO

KWALI AREA COUNCIL

FEDERAL CAPITAL TERRITORY ABUJA

OUR REF: _____ YOUR REF: _____ DATE: _____

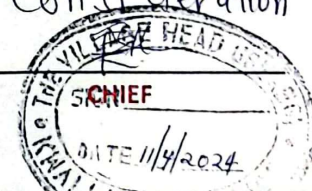
LETTER OF APPRECIATION

Unbehalf of the entire community of Gberegi, I chief Isaac Saiallah Karo, the community head, highly appreciate you, JBH Hope foundation under Jesus house Baltimore Maryland USA and NAFH Nigeria for the boled-hole freely and willingly donated to my community which has been our greatest need for over thirty years. God will continue to guide you for this good work in Jesus name.

I also wish to use this medium to request for another boled hole if possible because Gberegi is a large community with much population. I will be exceedingly glad if this request if favourably put to consideration

Thank you.


SECRETARY



Appendices

Appendix A: FINANCE

Appendix B: PICTORIAL REPRESENTATION OF PROCEDURES

Appendix A (1): Project Actual Cost

	ITEM DESCRIPTION	QTY	UNIT	RATE	TOTAL AMOUNT
1	Geophysical survey			50,00	50,000.00
2	Drilling and casing	70		28,000	1,960,000.00
3	complete Pump set	1		685,000	685,000.00
4	Installation and transportation			100,000	100,000.00
5	Concrete platform				76,000.00
6	SUPPERVISION			150,000	150,000.00
	ADD 7.5% VAT FOR ALL TRANSACTIONS TO COMPANYS ACCOUNT				156,150.00
	TOTAL COST				3,177,150.00

Appendix A (2). Application for variation

	ITEM DESCRIPTION	QTY	UNI T	RATE	TOTAL AMOUNT
1	Geophysical survey			50,00	50,000.00
2	Drilling depth	50		19,000	950,000.00
3	Casement	5		22,000	110,000.00
4	Mark3 complete Pump set	1		780,000	780,000.00
5	Cement platform	1		50,000	50,000.00
6	Installation			100,000	100,000.00
7	Transportation for materials			80,000	80,000.00
8	SUPPERVISION			200,000	200,000.00
	Contingency			200,000	200,000.00
	TOTAL				2,520,000.00
	ADD 7.5% VAT FOR ALL TRANSACTIONS TO THE COMPANY ACCOUNT				189,000.00
	TOTAL COST				2,709,000.00

Appendix A (3): Initial Bill Submitted

	ITEM DESCRIPTION	QTY	UNI T	RATE	TOTAL AMOUNT
1	Geophysical survey			50,00	50,000.00
2	Drilling depth	50		16,000	800,000.00
3	Casement	5		18,000	90,000.00
4	Mark3 complete Pump set	1		620,000	620,000.00
5	Cement platform	1		32,000	32,000.00
6	Installation			80,000	80,000.00
7	Transportation for materials			60,000	60,000.00
8	SUPPERVISION			150,000	150,000.00
	Contingency			200,000	200,000.00
	TOTAL				2,082,000.00
	ADD 7.5% VAT FOR ALL TRANSACTIONS TO COMPANY ACCOUNT				156,150.00
	TOTAL COST				2,238,150.00

Appendix B: Pictorial Representation Of Procedures

PICTORIAL HIGHLIGHTS FOR C AND INSTALLATION OF B



PICTORIAL HIGHLIGHTS FOR C AND INSTALLATION OF B



PICTORIAL HIGHLIGHT FOR COMMISSIONING OF



PICTORIAL HIGHLIGHT FOR COMMISSIONING



Conclusion:

The borehole project was completed successfully on the 7th of April 2024 not without challenges. The borehole meets the client's requirements for a Borehole with a sustainable water yield.

I would like to use this opportunity to thank you again for trusting in NAFH, to handle these projects, it is a privilege serving with you.
God bless.

Ndifreke Uko.