

Best Practices: Exploratory Drilling



Exploring the Kavango Basin

ReconAfrica is working collaboratively with national governments to explore oil and gas potential in Northeast Namibia and Northwest Botswana – the Kavango Sedimentary Basin. In all aspects of our operations, we are using proven, safe, effective technologies and applying rigorous safety and environmental protection standards.

Stratigraphic Drilling Program

To date, ReconAfrica has received permission from the Government of Namibia to drill three conventional stratigraphic wells to provide a more complete picture of the geological formations in the area. This is a conventional drilling program. We have no license to produce oil or to engage in hydraulic fracturing ('fracing'). Data from the initial wells and seismic program will be used to determine future drilling locations that will aim to achieve commercial levels of oil and natural gas production.

Exploratory Drilling Sites

ReconAfrica is not drilling near migratory routes or any other area that would adversely impact wildlife. Our first drilling sites is located approximately 40 km from the boundary of the Khaudum National Park; 55 km south of Rundu; 50 km south of the Okavango River; and about 260 km from the Okavango Delta in Botswana. Our second drilling site is 16 km north of the first site and our third site is expected to be located approximately 60 km southwest of the initial two wells.

National Parks, the Tsodilo Hills and the Okavango Delta are outside of our licence and the project has set no-go buffer zones to protect the environment and wildlife that include a 10-km setback from the Okavango River and 20-km setbacks from the Okavango Delta and Tsodilo Hills in Botswana.

100% Organic Drilling Fluid

ReconAfrica is using a 100% organic, water-based, biodegradable, chloride-free drilling fluid system that minimizes environmental impacts. Water-based systems are the best approach to

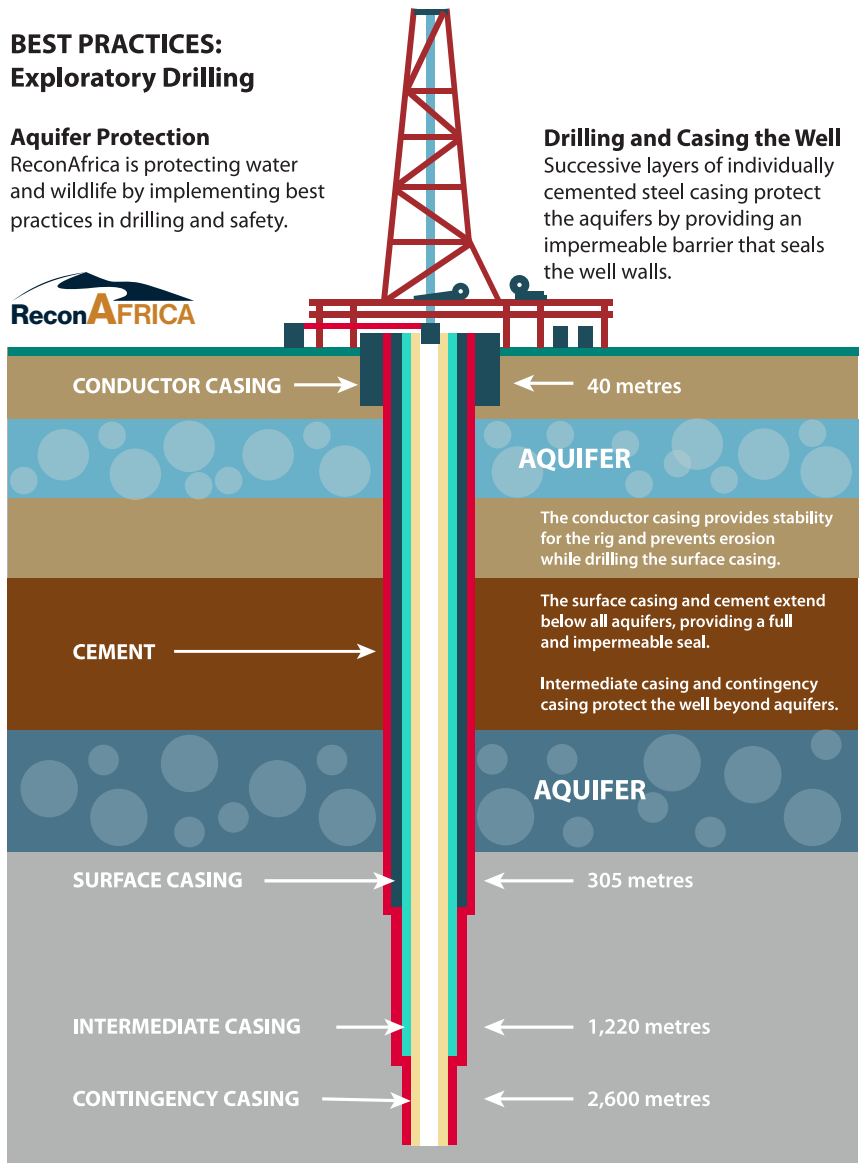
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Aquifer Protection

ReconAfrica is protecting water and wildlife by implementing best practices in drilling and safety.

Drilling and Casing the Well

Successive layers of individually cemented steel casing protect the aquifers by providing an impermeable barrier that seals the well walls.



FOR ILLUSTRATION ONLY. Not to scale. Each well will vary depending on geology and technical requirements.

protect the environment. We install a layer of black liner at the top of the reserve pit simply to prevent erosion.

Drilling fluids keep the drill bit cool and bring rock cuttings to the surface that we study to determine if there is oil and gas in the ground.



Frequently Asked Questions

Many reports say ReconAfrica is fracing. Is this true?

ReconAfrica is conducting a conventional oil exploration program. To date, ReconAfrica has been granted licence by Namibia to explore and confirm the resource; we have no licence to produce or frac. And if this exploratory phase confirms an environmentally and economically viable reserve, Namibian authorities will determine if and how it will extract that resource.

When do you expect to complete the stratigraphic test well drilling program?

ReconAfrica received approval from the Government of Namibia, in the form of an Environmental Clearance Certificate, for 3 stratigraphic wells. The first well was completed in April 2021 and the second well was completed in July 2021. We anticipate completing the third well by the end of 2021 and may apply for permission to drill a fourth well early in 2022 depending on the analysis of our initial wells and low-impact 2D seismic program.

Drilling of the third well and any additional wells will begin only after we submit updates to the required government documentation.

Do you expect to strike oil when drilling the stratigraphic test wells?

The exploratory stratigraphic wells are not intended to produce flowing oil. We are only analyzing the rocks to determine if there is a working petroleum system in the basin.

How will you know the aquifer is not harmed?

The well casing and drilling techniques we use ensure that there is no impact on aquifers. The wells are fully contained before we introduce our 100% organic water-based drilling fluid system. That system includes measures at the surface to ensure there is no possibility of contamination of water sources above or below the surface.

Additionally, we are drilling water wells at each exploratory well location to identify and analyze aquifers that are present, provide water for our operations and provide adjacent aquifer monitoring during drilling. Following our exploratory drilling program, the potable water wells will belong to the community.



About ReconAfrica

ReconAfrica is a Canadian-based oil and gas company working collaboratively with national governments to explore oil and gas potential in Northeast Namibia and Northwest Botswana – the Kavango Basin.

To date, ReconAfrica has been granted licences by Namibia and Botswana to explore and confirm the presence of their resources; we have no licence to produce oil or to engage in hydraulic fracturing ('fracing').

This project aims to prove a potential reserve that could lead to economic stimulus, funding local and regional jobs and other socio-economic benefits such as increased infrastructure, potable water access and investments in environmental and wildlife conservation.

Should oil and gas be discovered, the traditional authorities and elected governments of Namibia and Botswana will determine how they will manage those resources.

Contact Us:

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