

Sangomar – a symbol of intermingling and tolerance

The Sangomar Offshore Oil Field (former SNE) will be the first offshore oil development for Senegal, and will be operated by Woodside Energy (Senegal) B.V. The field was renamed Sangomar by President Macky Sall, who took this decision to better highlight the symbiosis between the project and the Senegalese people. This decision was taken after a meeting held in November 2019 between the Government of Senegal and a Woodside delegation led by its CEO Peter Coleman.

The name Sangomar, also given to the Senegalese presidential plane, is taken from the Serer language spoken in Senegal by nearly 10% of the population.

In *Serer* mythology, Sangomar means the “village of shadows”, the gathering place of the visible and the invisible. It is a place of confluence, on an uninhabited island with majestic, mythical, and mystical baobab* off the coast of Djifere. This sacred place is considered a sanctuary of the Serer’s traditional religion.

President Léopold Sédar Senghor wrote of Sangomar in his poetry collection *Nocturne*: “I offered you wildflowers, the scent of which is as mysterious as the eyes of a sorcerer. And their radiance is as rich as the twilight in Sangomar.” Leopold Sedar Senghor was from Joal which is one of the closest regional fishing centres and towns to the Sangomar field.

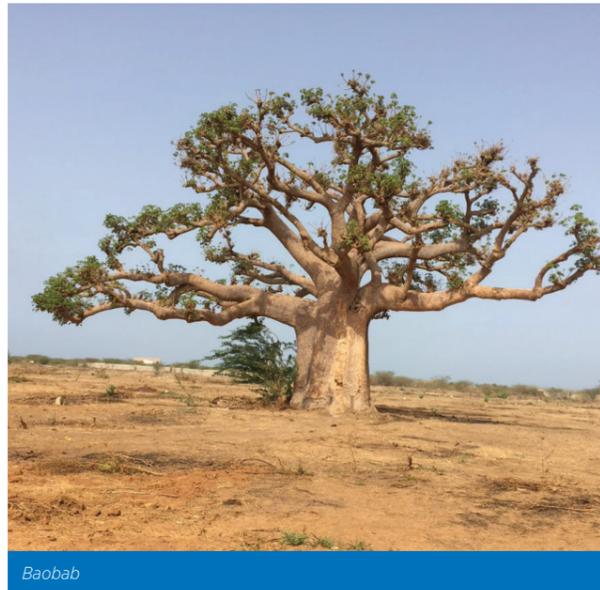
Sangomar is one of the closest geographical points to the field where we operate. It is also a long sandy spit located in the Atlantic Ocean, at the mouth of Saloum.

Considered as a place of transit for the ancestors and the spirits of the deceased (the *Pangols*) towards the animist God “Roog Sene”, “Roog the immensity” or “Merciful God”, Sangomar is one of the sacred places of worship for the Serer population who visit it to honor their ancestors.

This would be the home of the spirit of the Saloum Islands, a protective spirit. According to the *Djola* and *Serer* mythology, two sisters, Aguene and Diambogne, one day took a canoe to cross the Gambia River. The canoe split in two at the Point of Sangomar, separating the two sisters.

One headed south and became “Aguene”, the mother of the *Djolas*, while the other headed north and became “Diambogne”, the mother of the *Serers*. The story represents the sacred cousinhood between the two ethnic groups who consider themselves allies in all circumstances that nothing must oppose.

**Short trees with very thick trunks and large edible fruits, living to a great age.*



Baobab

We welcome your feedback and questions

We welcome and encourage questions and feedback from all stakeholders regarding our current and planned activities.

In Senegal, Woodside uses a variety of communication tools and undertakes regular consultations to ensure that relevant local communities and stakeholders are kept informed and consulted on our activities and the Sangomar Field Development.

The community feedback process for Senegal has been developed to collect feedback regarding the activities of Woodside and its subcontractors.

Due to COVID-19, there are travel and meeting restrictions in place, however we encourage stakeholders to contact us via WhatsApp on **+221 76 223 43 41** or via email at **developpementsne@woodside.com.au**

SANGOMAR FIELD DEVELOPMENT

SANGOMAR NEWSLETTER

November 2020



Welcome to Woodside’s second Sangomar Field Development community newsletter. Our newsletter provides an opportunity to inform the community of the latest activities occurring in Senegal to support the Sangomar Field Development, Senegal’s first offshore oil development.

Sangomar on track for first oil in 2023

Woodside noted Senegalese media reports that suggested that Senegal has been forced to delay its first oil and gas projects by up to two years due to the COVID-19 pandemic.

Woodside reiterates that first oil from the Sangomar Field Development Phase 1 remains on track for 2023, in line with previous guidance.

In January 2020, Woodside and its joint venture participants took an unconditional final investment decision (FID) for the Sangomar Field Development Phase 1 and commenced execution phase activities.

Since then, we have taken early action to proactively manage the emerging impacts of COVID-19 on the supply chain and project schedule. We are working with our project contractors, the Government of the Republic of Senegal and our joint venture participants to optimise near-term spend and protect the overall value of the investment to deliver first oil in 2023.

Project update: Floating Production Storage and Offloading (FPSO) refurbishment underway

Woodside has entered the execution phase of the Sangomar Field Development following the FID in January 2020. This phase includes the installation of a stand-alone Floating Production Storage and Offloading (FPSO) facility, following the award by Woodside of a purchase contract for the FPSO facility to MODEC Inc in January 2020.

The Sangomar Field Development FPSO’s donor vessel is a Very Large Crude Carrier Trading (VLCC) tanker purchased in February 2020 and will be converted into a FPSO.

A FPSO is a vessel specifically designed for the processing of hydrocarbons and the storage of oil. The FPSO is approximately 300 metres long and up to 60 metres wide. Depending on the final design, it is expected that the FPSO will require an operational workforce of 80 to 125 people, along with logistics and other support services provided through Woodside and contractor-operated facilities in Senegal. The FPSO will have a production capacity of approximately 100,000 barrels per day of crude oil.

The VLCC tanker is due to undergo cleaning in Q3 2020. Commencement of tanker modifications is targeted for Q4 2020.



FPSO

Oil and gas - learning session: subsea flowlines (Pipelines)

What is a flowline?

A flowline is a pipeline which runs to and from the FPSO to the wells. The difference between a flowline and a pipeline is that a flowline transports unprocessed hydrocarbons, whilst a pipeline transports processed hydrocarbons.

What are flowlines used for?

Flowlines for the Sangomar Field Development transport fluids between the wells and the FPSO.

Where are the flowlines made and who are the fabricators?

Subsea Integrated Alliance (SIA) is the appointed contractor delivering the flowlines following the award by Woodside of a subsea construction and installation contract to SIA in January 2020. SIA is an alliance between One Subsea and Subsea 7.

- + The pipe for the flowlines is made by Vallourec and Butting in Europe.
- + The pipes will be coated externally with anti-corrosion and thermal insulation coating by Shawcor in Norway.

- + The pipes will be welded to form a long flowline by SIA at Subsea 7's spoolbase in Vigra, Norway. These long flowlines are then reeled onto a reel lay vessel Seven Vega for transportation to Senegal.

- + The structures at the ends of the flowlines, and in the middle of the lines to form a tee, will be fabricated by Jutal Offshore Oil Services, in Zhuhai, China.

What is the size of a flowline?

The flowlines for Sangomar have the following approximate dimensions:

- + **Diameter:** 220mm (production and gas injection), 273mm (Water Injection)
- + **Length:** Circa 26km (two water injection flowlines), 56km (two production loops). The gas injection flowline is approx. 6km long.

How will they be installed?

SIA will install the flowlines from the "Seven Vega" reel lay vessel.

- + The long flowlines are carefully pulled from the reel, passing through a pipe straightener and pipe tensioner and laid on the seabed. The structures are welded to the flowline ends on the Seven Vega after the flowline ends have passed over straightener and tensioner prior to being deployed into the water.



Flowline (pipeline)

Introduction to inclusion and diversity at Woodside

Woodside recognises that inclusion and diversity are key to delivering sustainable business performance and providing Woodside with a competitive advantage. We encourage a climate of trust and belonging, where each individual feels comfortable bringing their whole self to work. Inclusion is crucial to unleashing diversity's potential. Woodside's commitment to fostering an inclusive and diverse workforce culture is supported by our Compass values.

Woodside aims to build an inclusive, high-performing culture to attract and retain a highly skilled, engaged and enabled workforce. This kind of workforce is critical for us noting our global portfolio and world-class capabilities as an integrated upstream supplier of energy.

The Woodside Dakar office plays an important role when it comes to achieving this broader objective. An equal portion of its staff are women including technical profiles and manager level positions. Creating an inclusive climate remains a focus of the Senegal team who will soon be welcoming additional staff from diverse backgrounds and locations as part of Sangomar project execution. Various supporting initiatives are currently being implemented.



Inclusion and diversity introduction