Mauritania 3D

PROGRAM DESCRIPTION

Mauritania 3D is a multi-client reimaging program that initially covers approximately 24,000 km^2 of the Mauritanian offshore coastal basin. The project will include legacy seismic surveys together with data from relinquished areas and all open file well logs. The first phase will cover a number of past oil and gas discoveries including Chinguetti, Tiof C 4-6, Merou 1 and Banda C. The 3D dataset is comprised of multiple contiguous vintage surveys that will be consistently reimaged to create a continuous regional volume from field tapes to PSTM/PSDM. The initial phase will combine up to 15 separate surveys and will be completed mid-2021. The aim of the project is to boost exploration activity by providing a modern, high resolution/broad bandwidth and affordable 3D imaged dataset.

COMMERCIAL

The Mauritanian coastal basin is a key part of the prolific MSGBC Basin spanning offshore North West Africa. Large offshore gas reserves are being developed for LNG export to Europe and elsewhere and the area has a history of proven oil deposits. It remains one of the most exciting areas of frontier exploration in the world and the Mauritania 3D project will ensure that the area continues to attract investment.

GEOLOGICAL

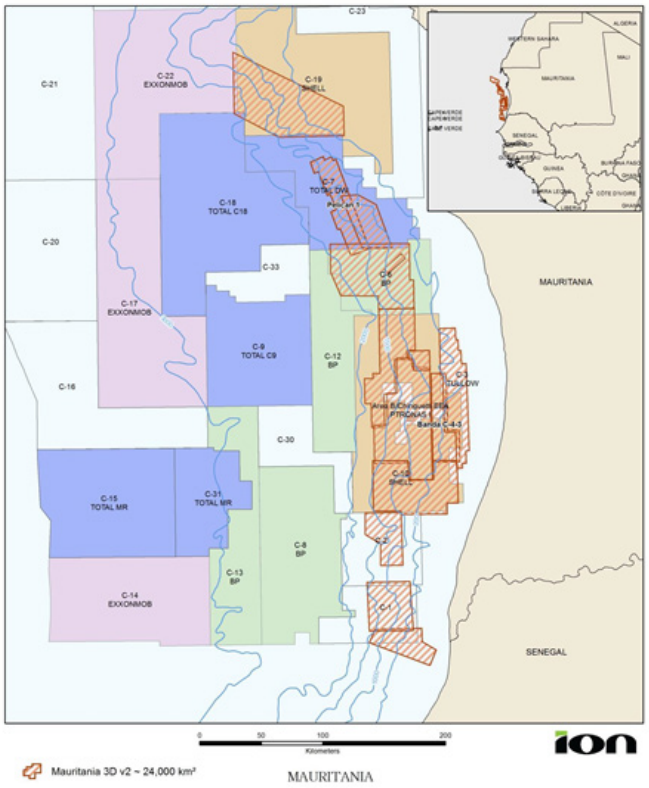
Mauritania 3D is ideally timed and optimally located. It places in geologic context the recent Orca-1 discovery (13 tcf OGIP) and the many wells that have transformed Mauritania since the Chinguetti discovery in 2001.

As a single, seamless, consistently reimaged, mega-regional data volume, it is essential in delineating the prolific Albian play, extending the Cenomanian play, and addressing critical uncertainties in the many new plays, both structural and stratigraphic, that continue to evolve.

The Mauritania 3D volume has application from exploration through development, and is essential to reducing risk a play, prospect, and reservoir scales. From understanding phase risk, to mapping reservoir fairways, to positioning development wells, this data volume will play a pivotal role in unlocking Mauritania's remaining hydrocarbon potential for years to come.

KEY COMPONENTS:

- Phase one PSTM/PSDM target for completion by mid-2021
- Improved imaging over vintage datasets
- Continuous survey for regional interpretation



Map sourced from IHS Markit