EG-23

Open Block for Appraisal/Development

**Legend**

- Condensate
- Oil & Gas Condensate
- 2D Seismic
- Oil & Gas Well
- Dry Hole with Gas Show
- Oil Well
- Dry Hole with Oil & Gas Show
- Plugged & Abandoned
- Open Blocks for Exploration
- Open Blocks for Appraisal/Development
- Gas Well
- Gas with Oil Show
- Shut-in Gas Well
- Unknown

**3D Seismic**
1 Available Area
- 3D-1
Total Area = 652 Km²

**2D Seismic**
49 Available Lines
Total Length = 971 Km

**Wells**
12A-8-1X  Estaurolita-1  Tsavarita-1
12A-9-1X  Ibis-1  Tsavarita-1A
12A-9-3X  Los Loros-1  Tsavarita-2
Ambar-1  Perla-1  Zirconia-1
Bococo-1  Sodalita WEST-1
EG-23

2D Seismic & Well Log

2D Survey Info

Survey Name: 80GEP
Company: GEPSA
Year: 1980
Data Type: Scanned Migration
Processing By: CGG
Processing: Migration
Processing Year: 1981

80GEP-217

80GEP-248
 EG-23

3D Seismic

3D Survey Info

Survey Name: UMC 3D Area D 1-1996
Year: 1996
Area: 652 Km²
Operator: Marathon
Data Type: Full Stack Migration
Recorded Date: 1996
The Ministry of Mines and Hydrocarbons of Equatorial Guinea have extended the area of Block EG-23 incorporating Sub Area B, which has been relinquished by Marathon Oil in April 2019. Consequently, the updated total area of EG-23 is 592 km² (Sub-area B = 220 km² plus EG-23 = 372 km²).

The new Block EG-23 will remain as one of the Appraisal/Development areas open in the EG Ronda Licensing Round launched by the government in April 2019.

Sub-Area B Discoveries

The new outline of EG-23 will be enriched with two new discoveries known as Rodo Discovery and Estrella Discovery. Rodo is a downthrown fault trap on the southwest flank of a four-way structure with primary targets in the lower Pleistocene and Upper Pliocene. Two wells, Rod-1 and Riaba-1 have been drilled in this discovery to date. ROD-1 showed 35 feet of net pay with water saturation of 27% and an average effective porosity of 26%. Modular dynamic testing suggests 27 degrees API of undersaturated oil with viscosity of 1.75 cP.

Riaba-1 well found a thin reservoir interval approximately 1 km to the north-east of Rod-1 well, which allowed to increase the initially estimated reservoir volume by around 10%.

Estrella discovery was drilled in 2000 to a total depth of 10,324 ft. One well, Estrella-1, was drilled in this area showing 170 ft of net pay with a water saturation of 29% and an average effective porosity of 19%. This is a gas condensate reservoir with a yield of 133 BPMM with an API gravity of 49.9.

Sub-Area B Prospects

Reprocessing the seismic for Sub-area B in 2018, several prospects/leads were identified. Studies showed 7 prospects from Pliocene/Pleistocene identified as Rodo Shallow, Diamante Main, Diamante North, Diamante South, LAS, Rubi and RW.

Two prospects lie in the Miocene, Sierra Madre and Sierra Madre North. Sierra Madre, located in the southern and southwestern side of well Estrella, is a high relief three-way fault closure. Sierra Madre North is a 3-way structure immediately north of Sierra Madre. The source rock is anticipated to be Oligocene Akata shale underlying the Isongo reservoirs. Hydrogen indices and organic carbon content from wells in the Oligocene suggest a good to very good quality source rock. The addition of Sub Area B to EG-23 enhances the overall block in terms of existing resources and exploration potential.