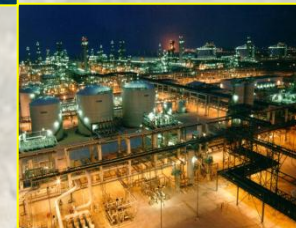


Technical Report

Block 14 E. Matruh offshore



E. Matruh offshore

About The Block

Location: E. Matruh offshore block is located at 15 Km East of Matruh city and 45 km to the northwest of El Dabaa city. It is lie at a distance approximately 10 Km from the shore line and extended northward to about 145 Km within the Mediterranean sea.

Total Area : 8940 Km²

Water Depth: 100 - 3000 m

Seismic Surveys

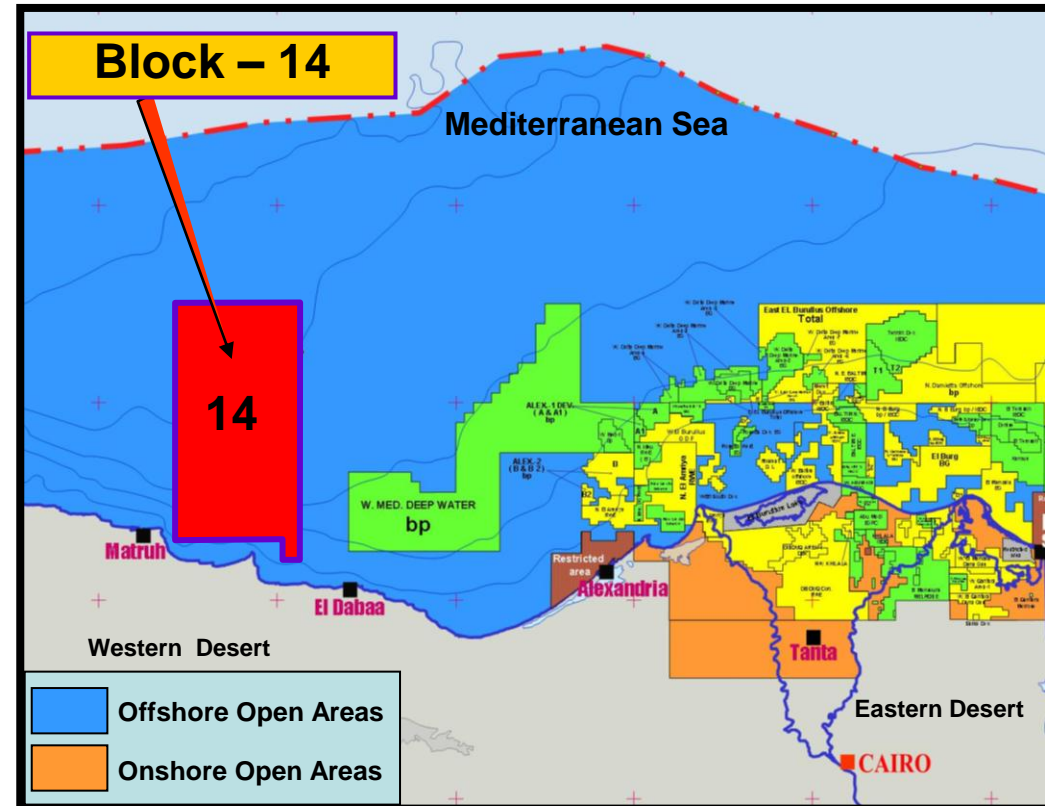
: 2D Seismic lines (approx. 3844 Km)

: 3D Seismic survey (approx. 4708 Km²)

Data review and Purchase form EGAS

Previous Concessionaire : Statoil

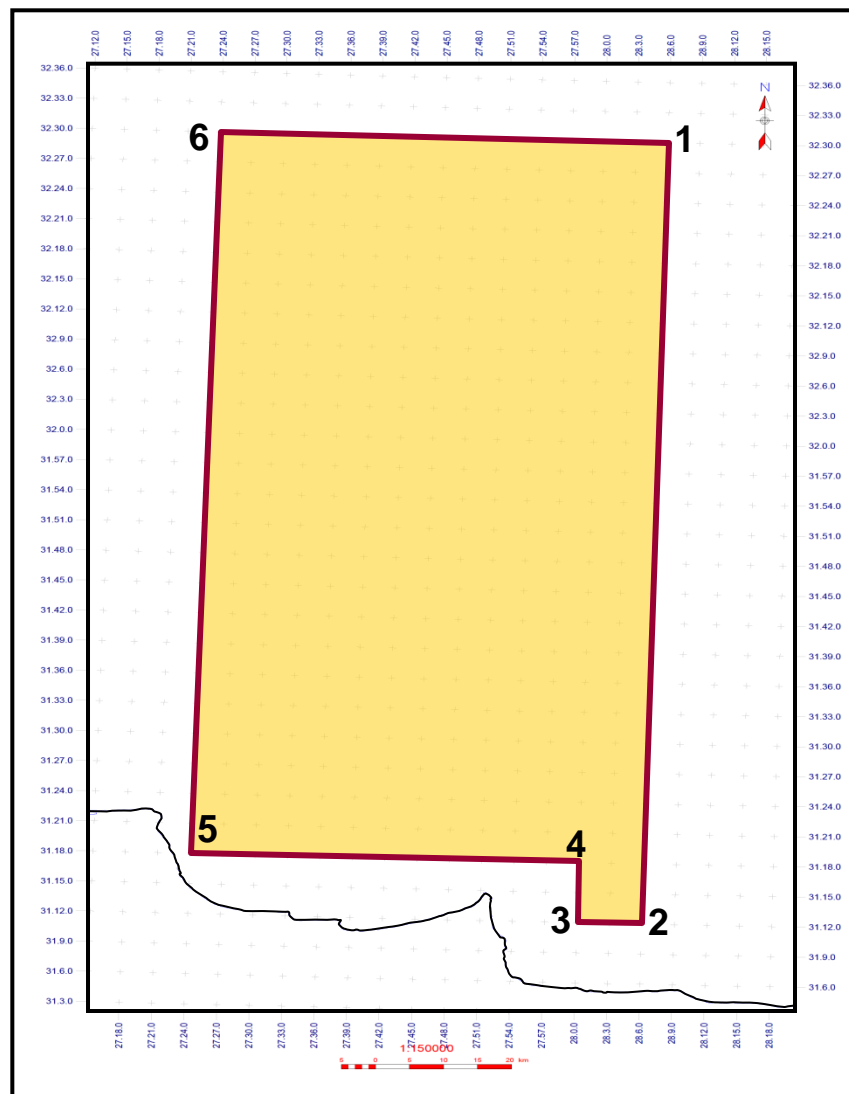
Nearby Fields & Discoveries: N. Alex and West Med. development leases.



Block- 14

E. Matruh offshore

Block- 14						
E. Matruh offshore						
No.	Latitude (North)			Longitude (East)		
1	32°	30'	00"	28°	06'	00"
2	31°	12'	00"	28°	06'	00"
3	31°	12'	00"	28°	00'	00"
4	31°	18'	00"	28°	00'	00"
5	31°	18'	00"	27°	24'	00"
6	32°	30'	00"	27°	24'	00"



Block- 14

E. Matruh offshore

SEISMIC DATA

A) "2D" SEISMIC DATA (Segy Standard Format)

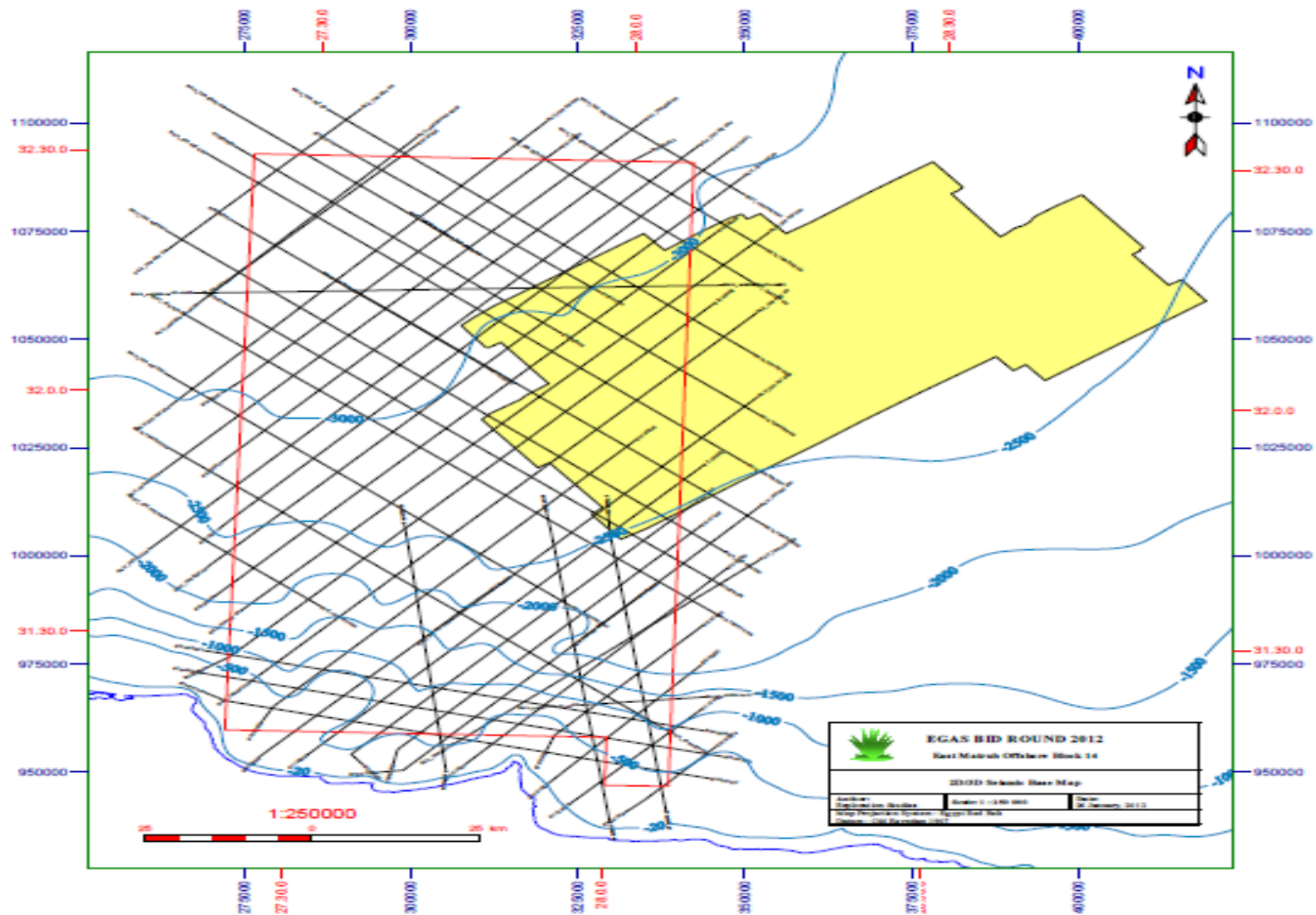
Survey Name	Digital 2D Data (Km)	No. of Seismic lines
bp NDO	149	3
ST	1883	27
TGS	929	12
VER	883	11
TOTAL	3844	53

B) "3D" SEISMIC DATA (Segy Standard Format)

Survey Name	Total Selected Sq. Km	Remarks
ST0802	4708 Km²	State Oil

Block- 14

E. Matruh offshore



Block- 14

E. Matruh offshore

PRICE LIST							
Block No.	Block Name	Area (Km ²)	Principal Data Package			3D Surveys	
			2D Total Line Km	Drilled Wells	Price US\$	3D Survey Km ²	Price US\$
14	E. Matruh offshore	8940	3844	-	253020	4708 (ST0802)	2589500

- Data Package for each block in digital format will be available at EGAS premises at prices as shown in the above table.
- Technical reports for all wells are available for purchase at: (\$1100 for hard copy and \$1200 for digital format per well)
- Final geological reports for all wells are available for purchase at: (\$1500 for hard copy and \$1700 for digital format per well)
- Data review will be available at EGAS premises using Geographix Software (Seisvision, Prizm & Geoatlas) at cost:

10% of total price of the principal data package (2D and well logs) with a minimum of \$2000/block

10% of total price of request 3D seismic survey

- In case of data purchase after review, review fees will be deducted from the total purchase price

PROSPECTIVITY

Plio-Pleistocene Play Concept:

This play was successfully explored in the adjacent development lease and discovered as gas bearing sand in submarine channel complex.

Reservoir:

The slope channel consists of turbidite sands in the most discoveries gas nearby the block.

Source:

The Plio-Pleistocene sediments provide an excellent source for biogenic gas.

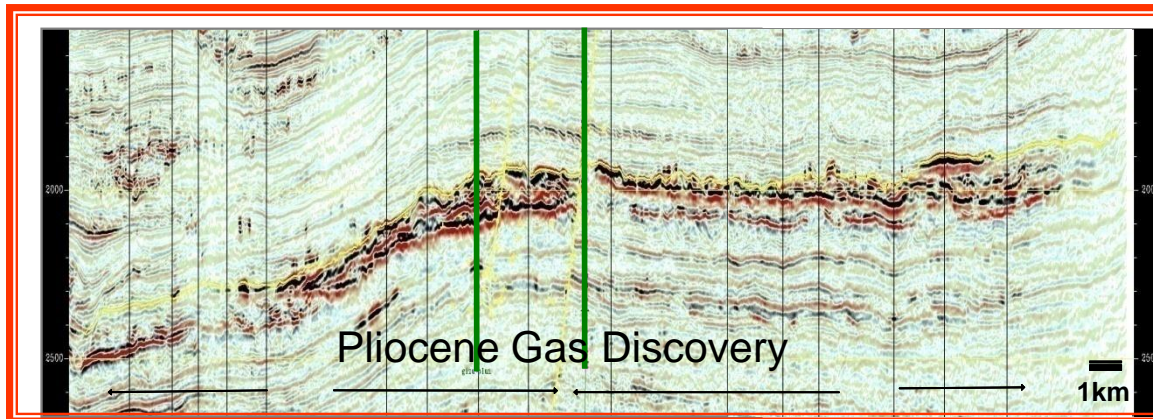
Sealing:

The massive shales act as a good seal in the vicinity of the block.

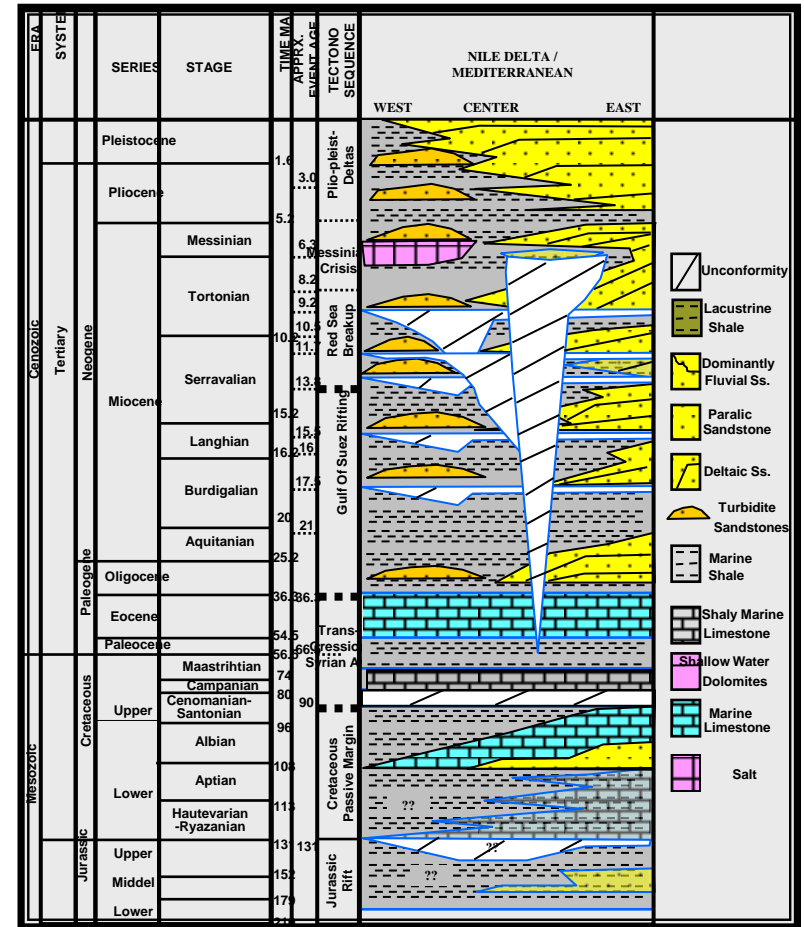
Trapping:

Stratigraphic traps are predominant with subsequent structural trap.

Charge: It is highly anticipated that the reservoirs in the Plio-Pleistocene play is charged directly from the shale deposited which acting as a good source rock.



GENERALIZED STRATIGRAPHIC COLUMN



Messinian Play Concept:

This play is represented by Abu Madi channel which has deposited in deltaic/shallow marine environment just after the end of the Messinian salt crisis.

Source:

The terrestrial and marine deposits developed during Oligocene-Miocene time are considered the main source rocks.

Reservoir:

The reservoir was deposited in channel/levee environment which significantly encountered below and in between the Rosetta anhydrite as hydrocarbon bearing sand (eg. La 52-1 well drilled by Shell and El King-1 well drilled by Apache).

Sealing:

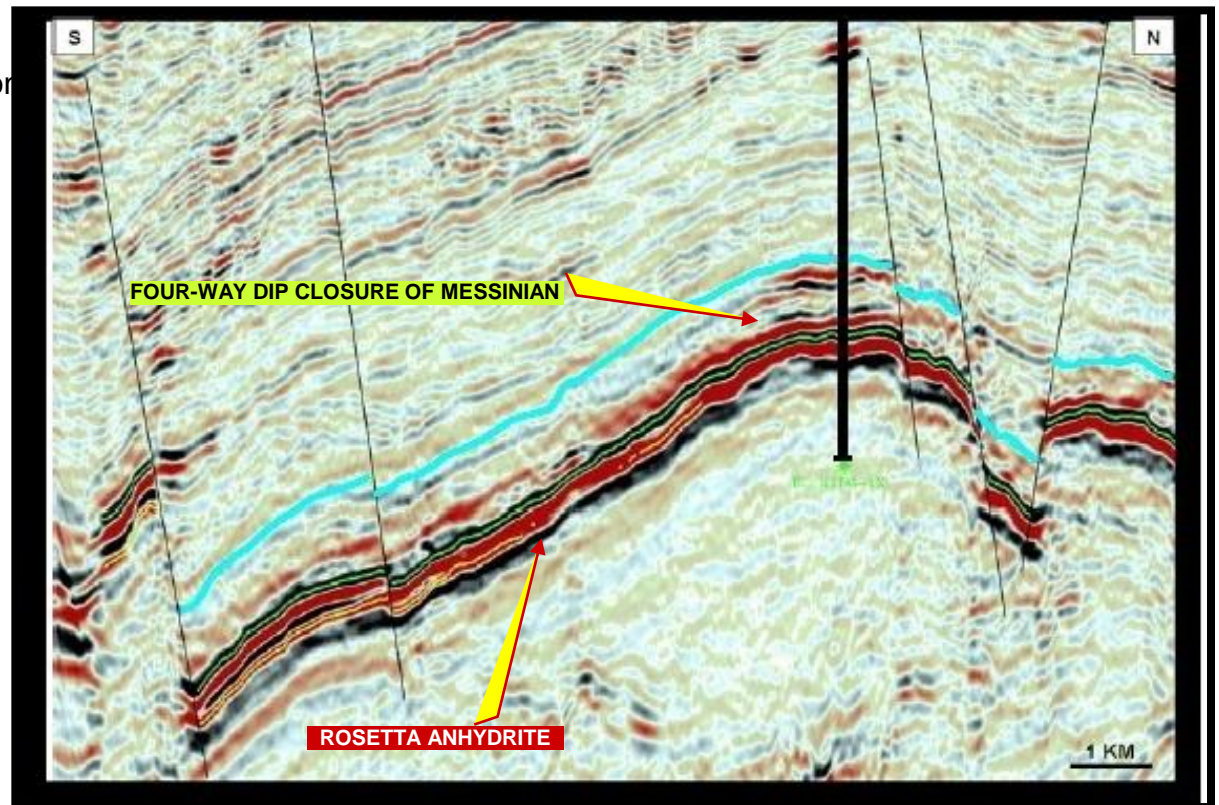
Thick shale bodies and Rosetta anhydrite act as a good seal.

Trapping:

Combination of structural and stratigraphic traps.

Charging:

It is carried out through deep seated faults.



Serravallian Play Concept:

This play is successfully discovered in the nearby development lease by Taurus Deep well in the Serravallian channel, which means that this play is still promising and required more exploration efforts.

Source:

The source rocks are Oligocene-Miocene sediments similar to that sources the numerous thermogenic offset development lease.

Reservoir:

Reservoir sands are thought that it deposited in shallow marine environment and most likely occur at numerous intervals.

Sealing:

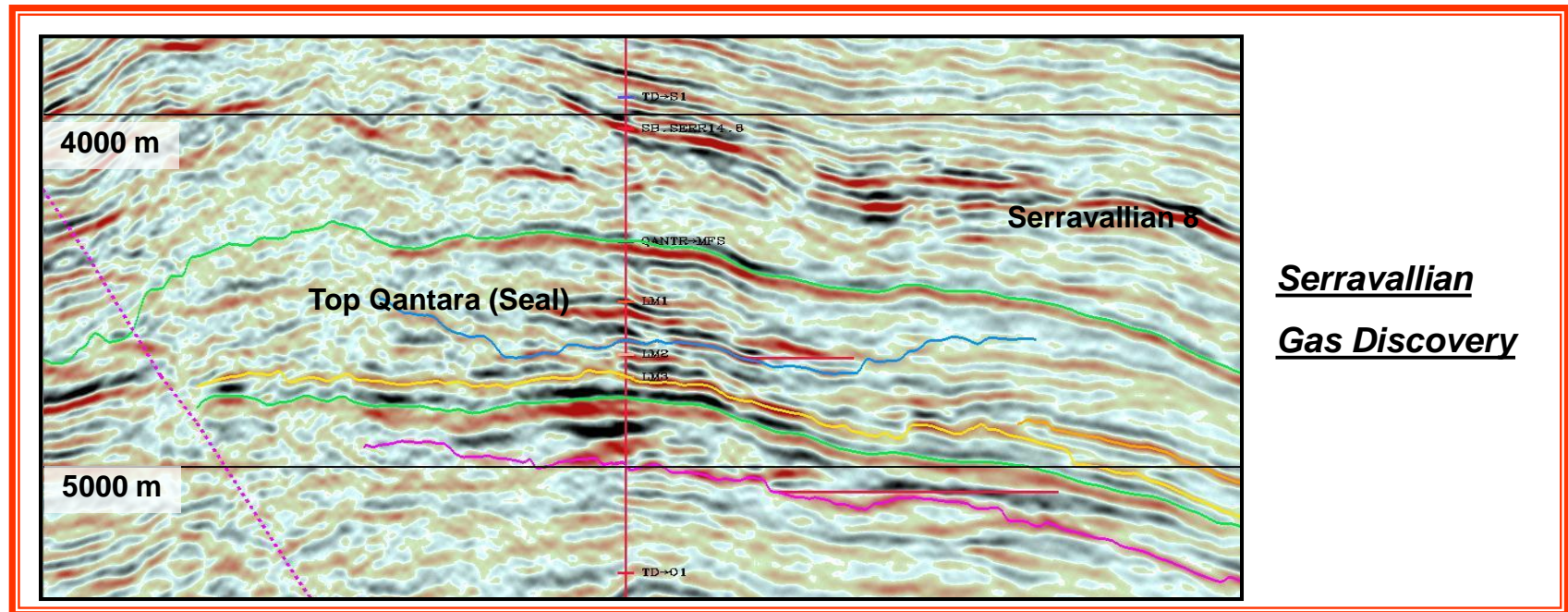
Inter-formational and basal Pliocene shales act as a good seal.

Trapping:

Combination of structural and stratigraphic traps.

Charging:

It is expected that it carried out from the underlying Oligocene-Miocene deposits.



Langhian / Burdigalian Play Concept:

This play is represented by slope channel system prove up commercial gas volumes in the lower Miocene target. This target successfully penetrated in N. Alex Development Lease as gas and condensates bearing sand.

Source :

Oligocene and Early Miocene are considered the main sources for the hydrocarbon generation in the block (evaluated area).

Reservoir:

The reservoirs are well represented and recently successfully discovered in the southern part of the block area as gas bearing sand.

Sealing:

Tortonian and Serravallian shales are very efficient seals.

Trapping:

Structural trap located within the rotated fault blocks.

Charging:

It is highly anticipated that the reservoirs in the block are charged from the same basin of closed gas discoveries.

