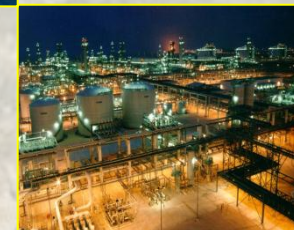


Technical Report

Block 13 N. El Max offshore



Block 13

N. El Max offshore

About The Block

Location: N. El Max offshore block is a part of recent relinquished of NEMED concession previously operated by Shell. It is located at a distance approximately 145 km to the north of the of Alexandria city, bounded from the south by WMDW concession and nearest from N. Alex. development leases.

Total Area : 4680 Km²

Water Depth: 2000 - 2700 m

Seismic Surveys

: 2D Seismic lines (approx. 4205 Km)

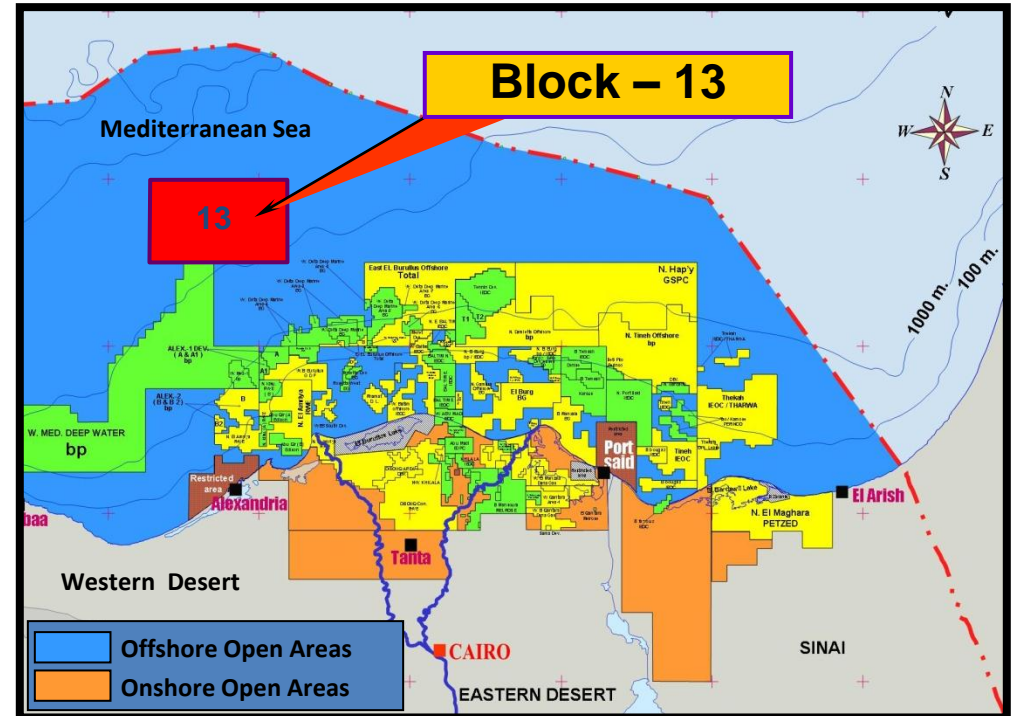
: 3D Seismic survey (approx. 2665 Km²)

Wells: Kj 49-1 and Kg 45-1

Data review and Purchase form EGAS

Previous Concessionaire : Shell

Nearby Fields & Discoveries: La 52, Ld 51 and Kg 45 gas discoveries



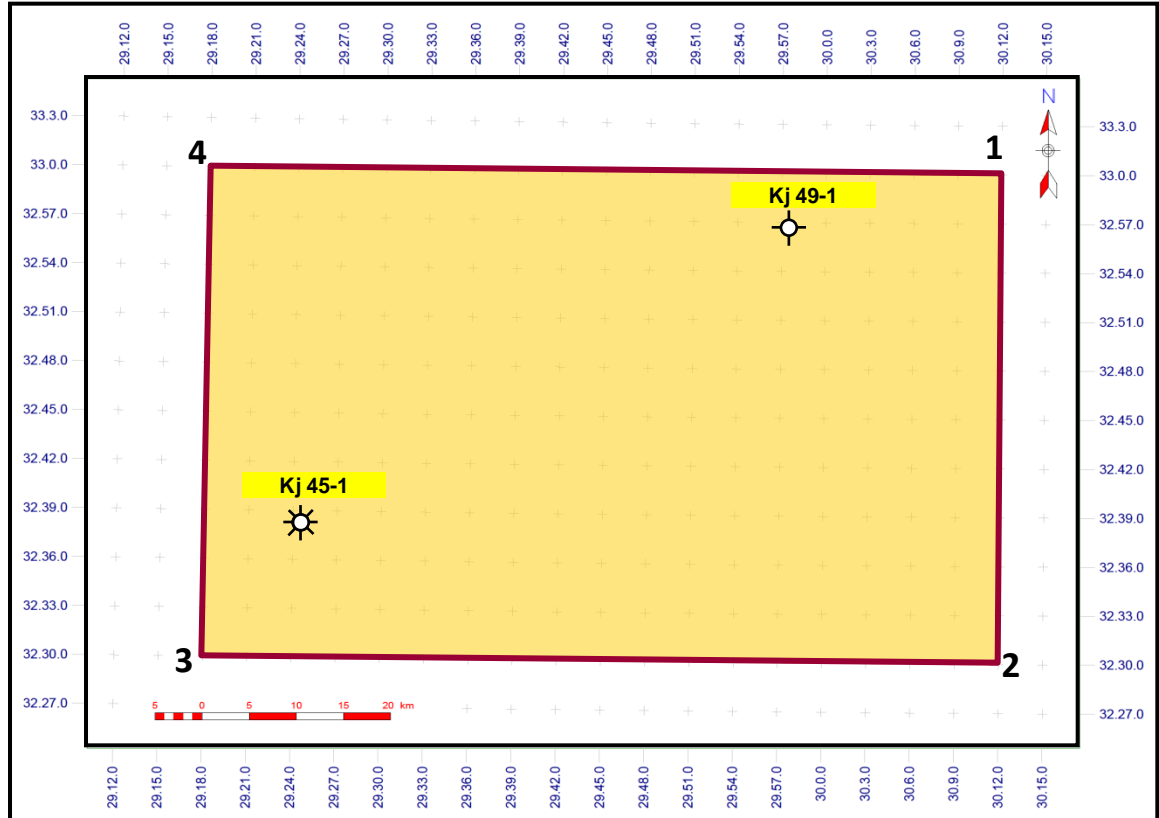
Block 13

N. El Max offshore

Block- 13

N. El Max offshore

No.	Latitude (North)			Longitude (East)		
	°	'	''	°	'	''
1	33°	00'	00''	30°	12'	00''
2	32°	30'	00''	30°	12'	00''
3	32°	30'	00''	29°	18'	00''
4	33°	00'	00''	29°	18'	00''



Block 13

N. El Max offshore

Wells:

COMPANY	WELL	SPUD	COMPL	FTD	FM. @ TD	Lat. N.	Long. E.	Status
Shell	Kj 49 -1	27/11/2003	23/12/2003	3956 M	Qawasim Miocene	32° 55' 35.67" N	29° 51' 36.102" E	P & A
Shell	Kg 45 -1	31/10/2003	25/11/2003	3613M	K. El Sheikh Pliocene	32° 40' 55.398" N	29° 27' 13.715" E	T&A Gas Discovery

Block 13

N. El Max offshore

SEISMIC DATA

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

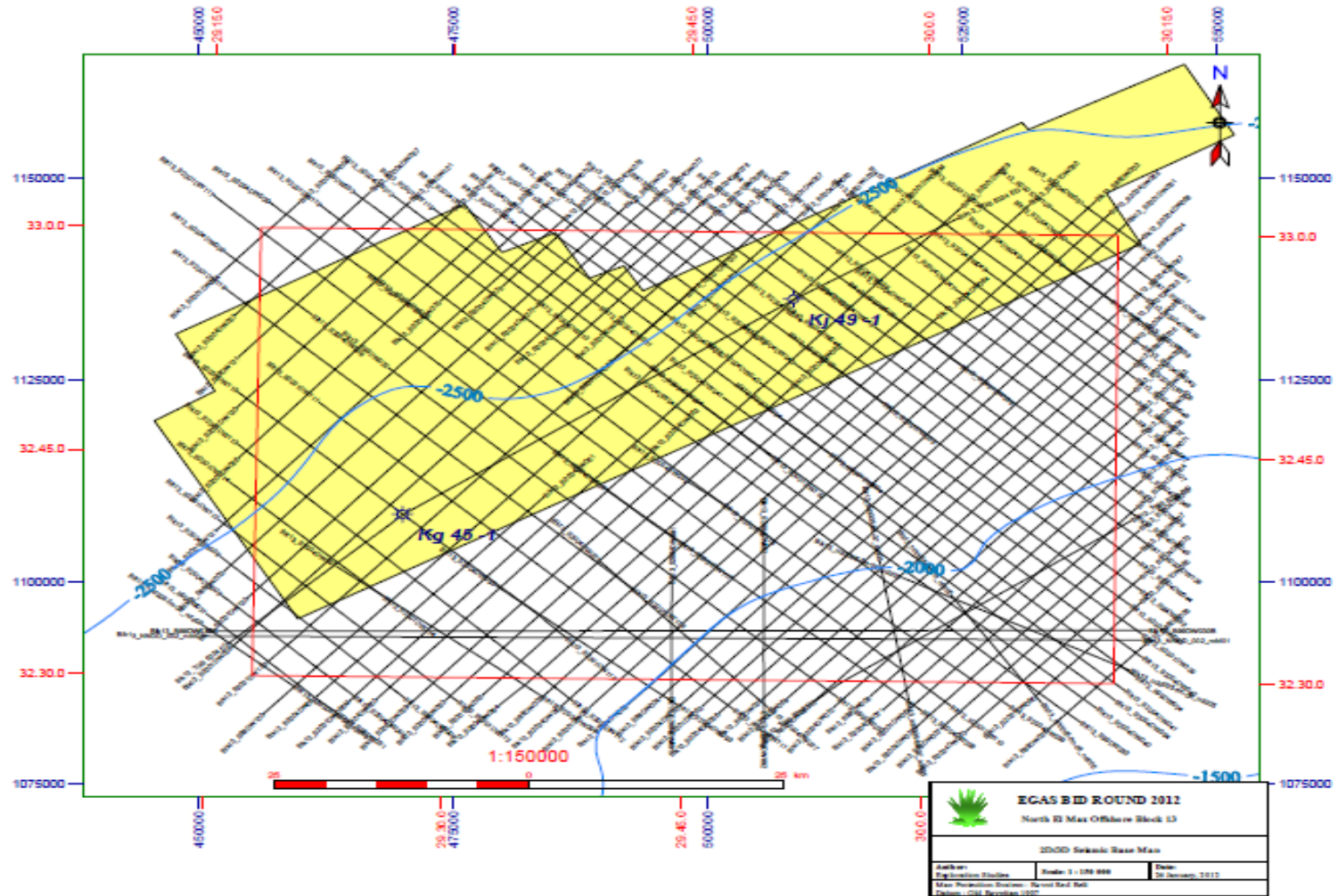
Survey Name	Digital 2D Data (Km)	No. of Seismic lines
bp NDO	163	5
S99DW	815	18
S2001DW	1592	35
S2004DW	1507	51
TGS	128	2
TOTAL	4205	111

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

Survey Name	Total Selected Sq. Km	Remarks
Nemed 2002_2003 Psi	2665 Km²	Shell

Block 13

N. El Max offshore



Block 13

N. El Max offshore

PRICE LIST							
Block No.	Block Name	Area (Km²)	Principal Data Package			3D Surveys	
			2D Total Line Km	Drilled Wells	Price US\$	3D Survey Km²	Price US\$
13	N. El Max offshore	4680	4205	2	167460	2665 (Nemed 2002 - 2003)	1465850

- 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

Pliocene Play Concept:

This play was successfully discovered in this block as gas bearing sand in slope channel complex found in Kg45-1 well ,where the reservoir was trapped in 3-way dip closure. The petrophysical parameters of this reservoir indicates that the net pay thickness is 15m with average porosity 30% and average water saturation 45%. The estimated GIIP of this well is 226 Bcf and the recoverable reserve is 122 Bcf referred that this block is promising for new Pliocene discoveries and added reserves.

Source :

Basal Pliocene shale provides excellent source rock for the biogenic gas.

Reservoir:

The reservoir rocks are represented by turbidite channel sand with high porosity and permeability.

Trapping:

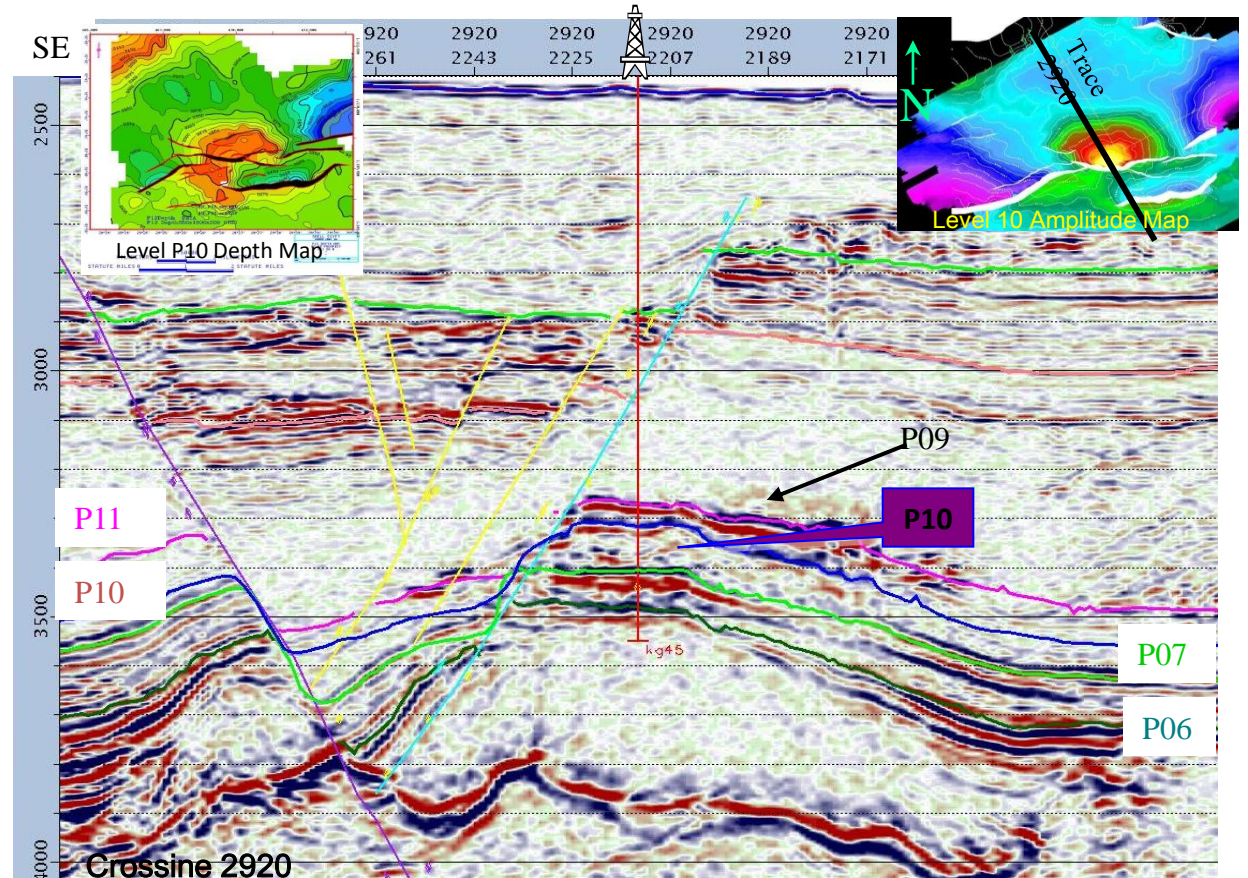
Structure / Stratigraphic traps provide the main trapping style.

Sealing:

The thick interbedded shales act as good sealing capacity for this play.

Charging:

Charging carried out through the interbedded and intraformational Shales which act as good source rocks for the biogenic gas.



PROSPECTIVITY

Messinian Play Concept:

This play is represented by Messinian sand (Abu Madi channel) which deposited in deltaic / shallow marine environment just after the end of the Messinian salt crisis. This play was successfully drilled and explored as gas bearing sand in the offset block located to the north of this block (La52 & Ld51 Wells).

Source :

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

Reservoir:

The reservoir sand was deposited in channel / Levee system which significantly encountered below and in between the Rosetta anhydrites as hydrocarbon bearing sand as in La52 well drilled by Shell in NEMED concession.

Trapping:

The traps are mainly structural traps with partial stratigraphic.

Sealing:

Rosetta anhydrite act as an efficient seal.

Charging:

Charging carried out from possible Oligocene and Lower Miocene deposits.

