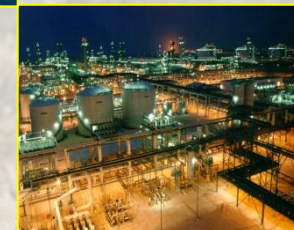


# Technical Report

## Block 11 N. Leil offshore



# Block 11

## N. Leil offshore

### About The Block

**Location:** N. Leil offshore block is a part of recent relinquished of NEMED concession previously operated by Shell. It is bounded from the north by Egypt's economic water border and located at a distance approximately 160 km to the north of the Mediterranean shore line.

**Total Area :** 5105 Km<sup>2</sup>

**Water Depth:** 2200 - 3000 m

#### Seismic Surveys

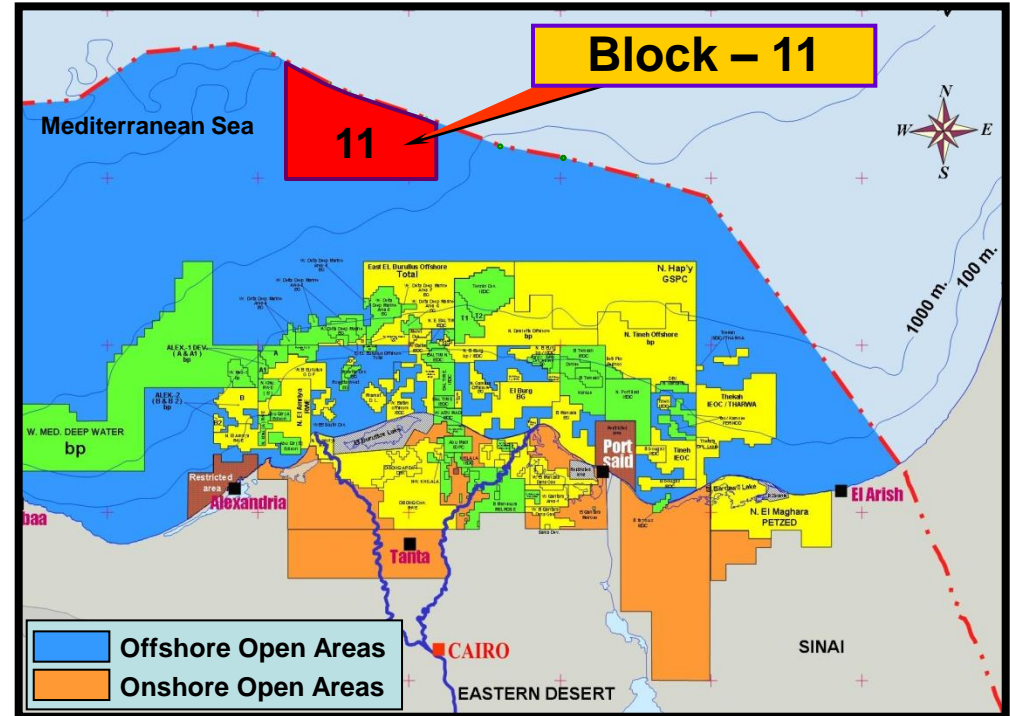
: 2D Seismic lines (approx. 4510 Km)

**Wells:** Lb 57-1

**Data review and Purchase form EGAS**

**Previous Concessionaire :** Shell

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





# Block 11

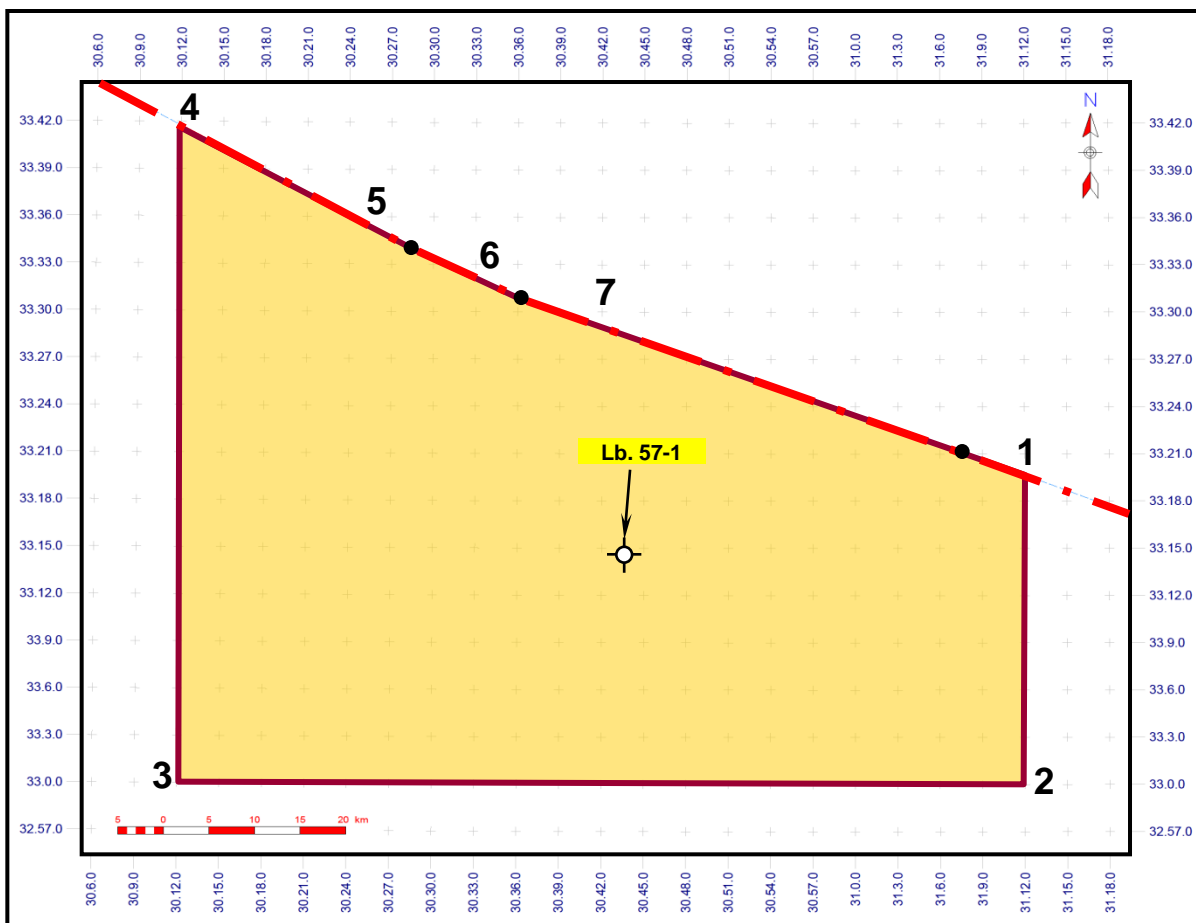
## N. Leil offshore



### Block- 11

### N. Leil offshore

No.	Latitude (North)			Longitude (East)		
1	33°	19'	42.4"	31°	12'	00"
2	33°	00'	00"	31°	12'	00"
3	33°	00'	00"	30°	12'	00"
4	33°	41'	44.9"	30°	12'	00"
5	33°	34'	00"	30°	28'	30"
6	33°	30'	40"	30°	36'	40"
7	33°	21'	20"	31°	07'	00"



# ***Block 11***

## ***N. Leil offshore***

### **Wells:**

<b>COMPANY</b>	<b>WELL</b>	<b>SPUD</b>	<b>COMPL</b>	<b>FTD</b>	<b>FM. @ TD</b>	<b>Lat. N.</b>	<b>Long. E.</b>	<b>Status</b>
Shell	Lb 57-1	31/7/2007	5/9/2007	4694 M	Abu Qir (Miocene)	33° 12' 12.428" N	30° 42' 00.894" E	P & A Dry Hole

# ***Block 11***

## ***N. Leil offshore***

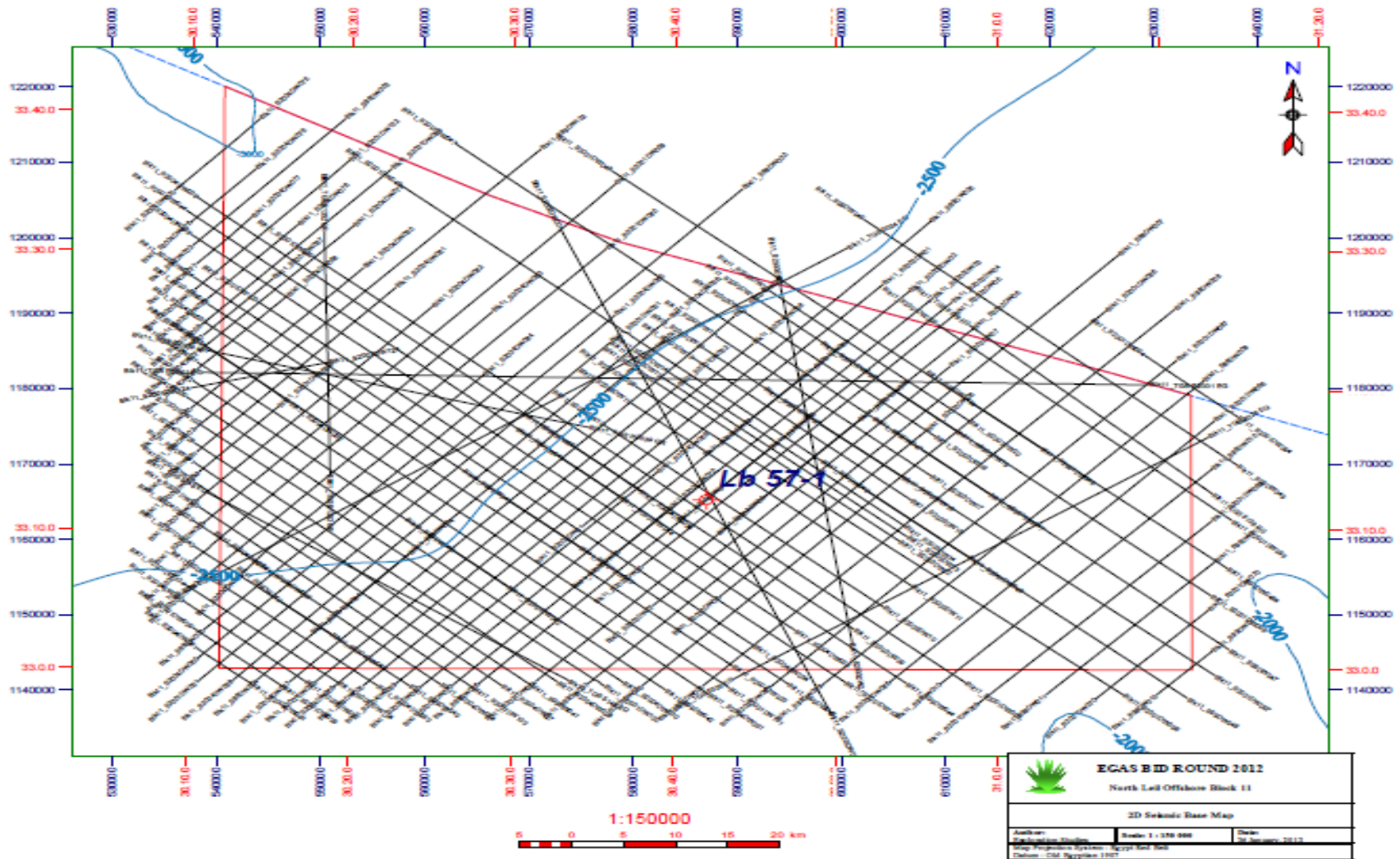
### **SEISMIC DATA**

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

<b>Survey Name</b>	<b>Digital 2D Data (Km)</b>	<b>No. of Seismic lines</b>
<b>S99DW</b>	<b>795</b>	<b>21</b>
<b>S2001DW</b>	<b>1472</b>	<b>35</b>
<b>S2003DW</b>	<b>708</b>	<b>21</b>
<b>S2004DW</b>	<b>1100</b>	<b>32</b>
<b>S2008DW</b>	<b>69</b>	<b>1</b>
<b>TGS</b>	<b>365</b>	<b>7</b>
<b>TOTAL</b>	<b>4510</b>	<b>117</b>

# Block 11

## N. Leil offshore



# ***Block 11***

## ***N. Leil offshore***

PRICE LIST							
Block No.	Block Name	Area (Km <sup>2</sup> )	Principal Data Package			3D Surveys	
			2D Total Line Km	Drilled Wells	Price US\$	3D Survey Km <sup>2</sup>	Price US\$
11	N. Leil offshore	5105	4510	1	187875	-	-

- 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 explored in NEMED concession where gas bearing sand in slope channel complex were found to the west of this block.

## 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:

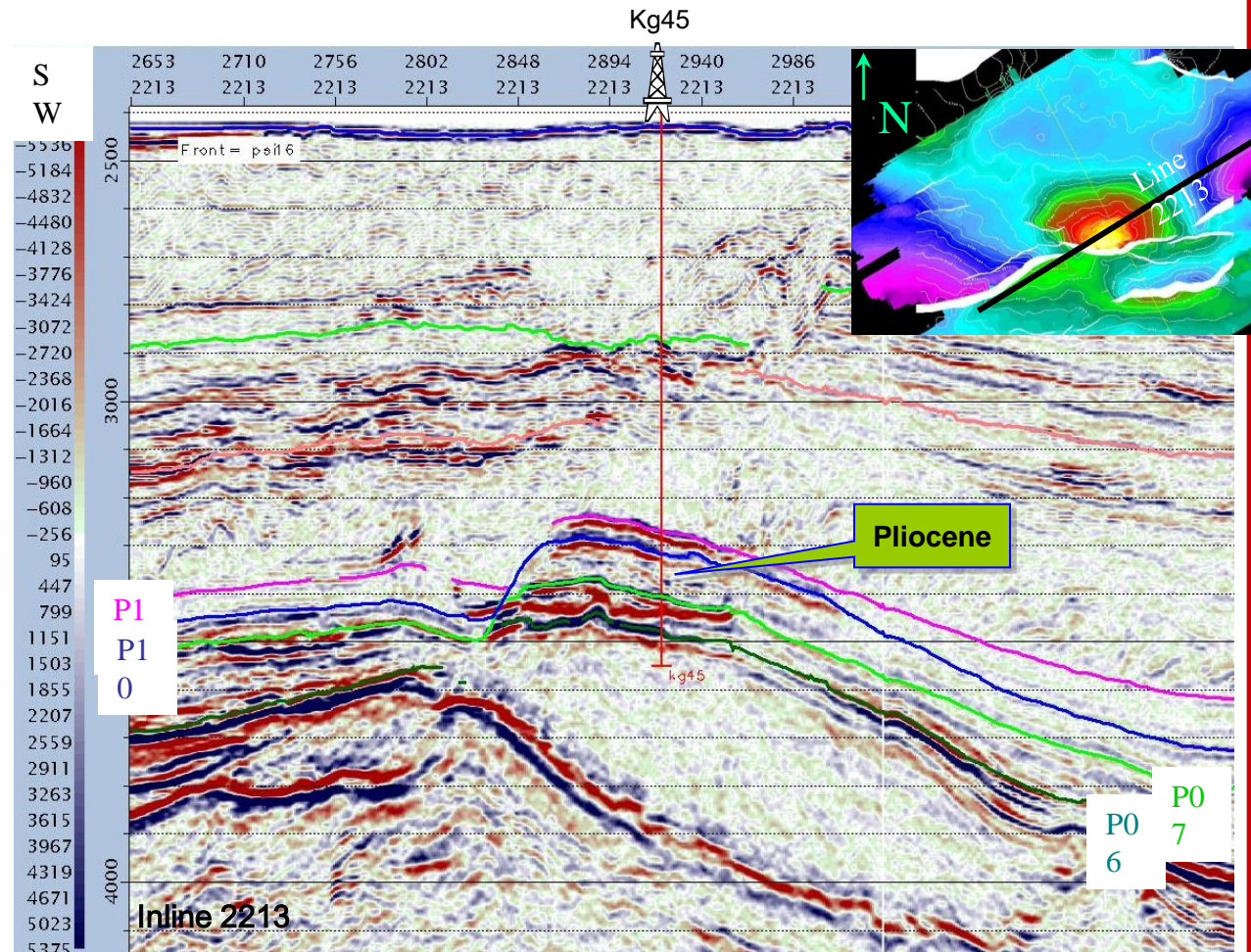
Structure / Stratigraphic traps provide the main trapping style.

## 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 Nemed concession ( La52 & Ld51 Wells) offset to this block.

## 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 and Ld51 wells 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.

