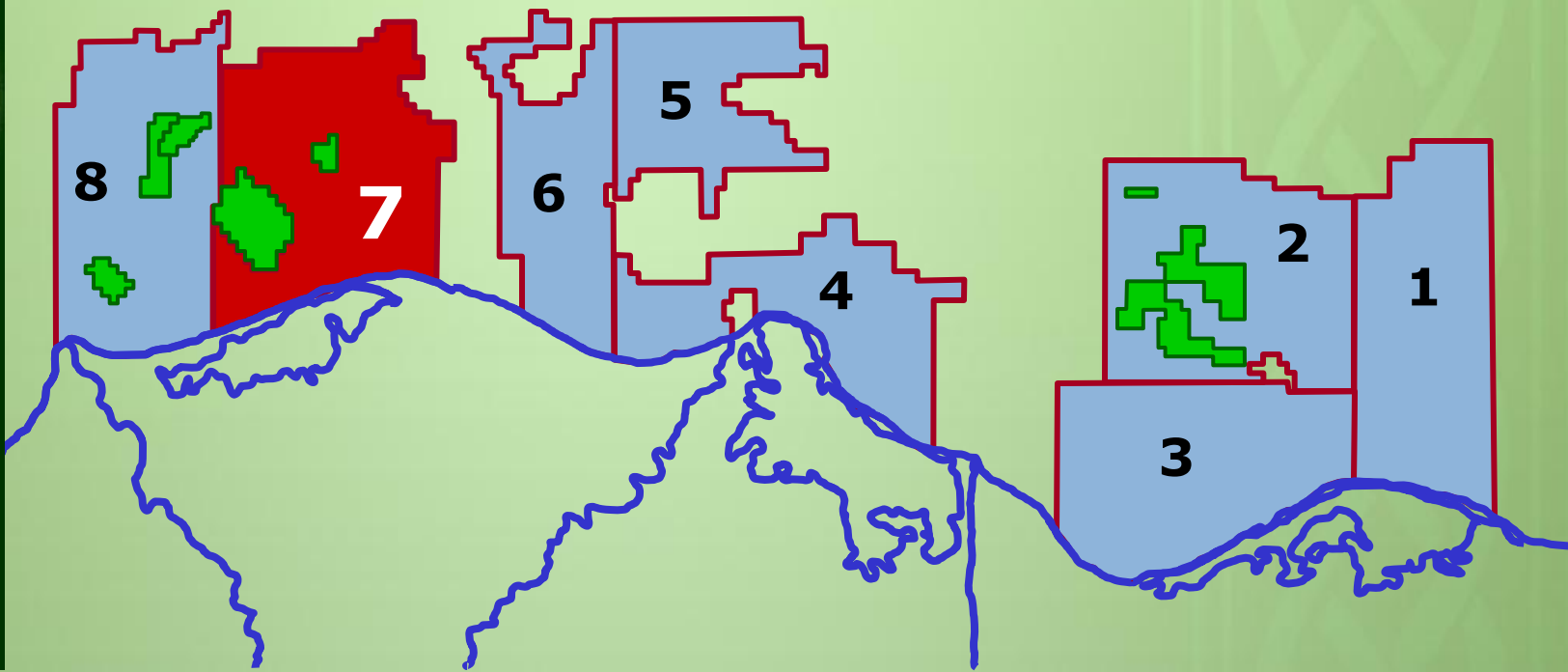




Ministry of Petroleum  
and Mineral Resources

# Block 7

## North El Hammad Offshore



BID 2015



# Block Summary

## Location:

North El Hammad Offshore Block is located at approximately 94 km to the WNW of Damietta City and some 109 km to the ENE of Alexandria City. It is situated directly to the north of Lake El Burullus with the Mediterranean shoreline forming its southern boundary. The northern boundary of the block extends seaward for 49 km attaining a maximum water depth of 250 m. North El Hammad Offshore Block is situated in an area with well-established infrastructure for gas-condensate production/transportation.

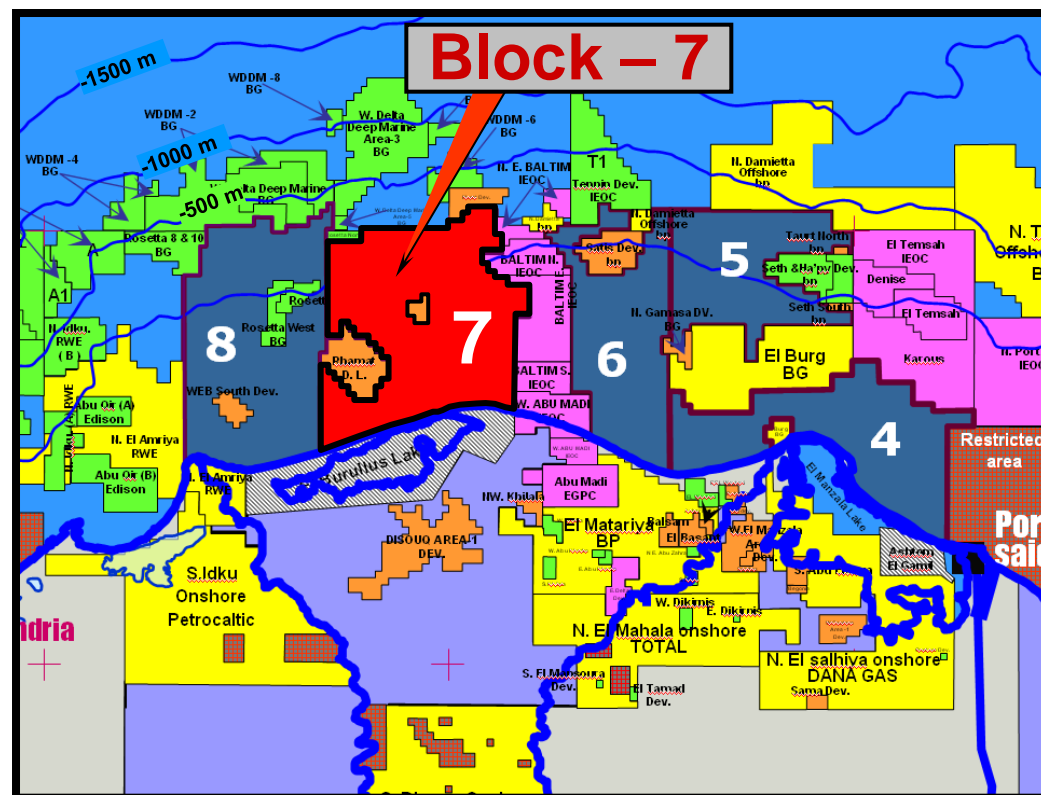
Total Area: 1927 Km<sup>2</sup>

Water Depth: 0 - 250 m

Previous Concessionaire : Elf AQ & IEOC

## Nearby Fields & Discoveries:

North El Hammad Offshore Block is located directly to the west of the Abu Madi Trend of gas-condensate fields (Baltim East, Baltim North, Baltim South, etc..), producing from Miocene sandstone reservoirs. It also lies to the east and southeast of the Rosetta Trend of gas-condensate fields (Pliocene & Miocene). Additionally, the block encompasses IEOC's Aten Development Lease (proposal) and surrounds bp's Rahamat Development Lease.





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# Block Coordinates & Drilled Wells

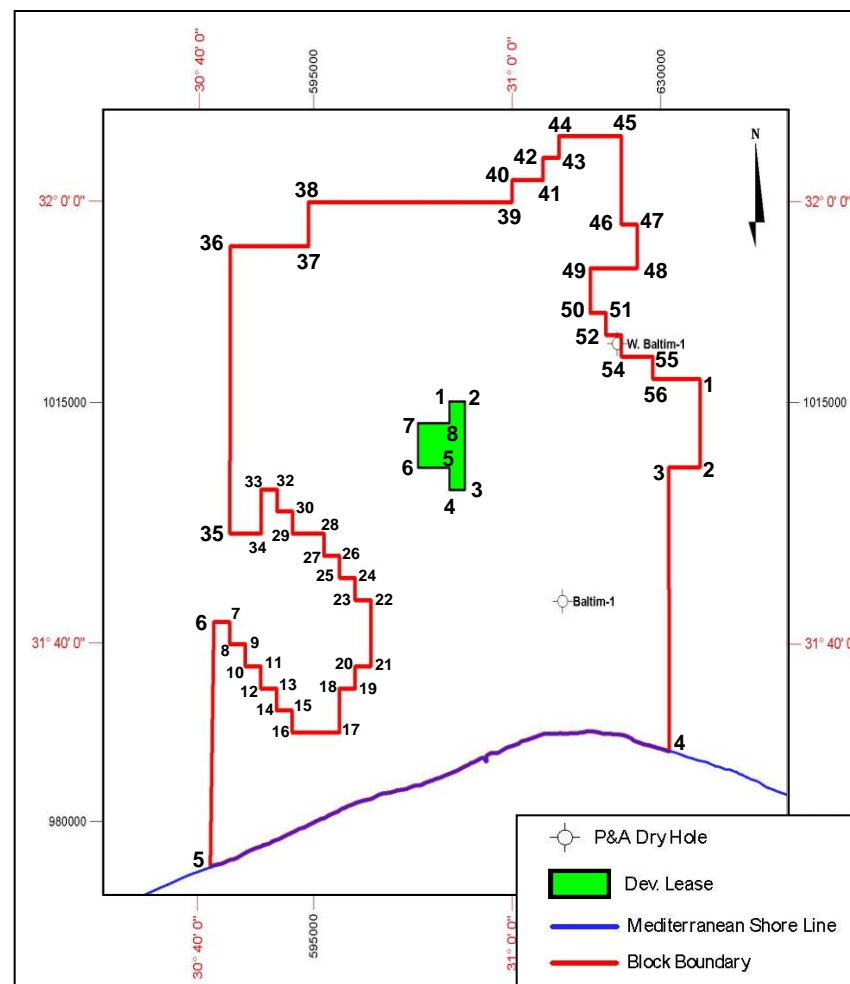
Block 7: North El Hammad Offshore

## Block 7 North El Hammad Offshore

NO.	Lat.	Long.
1	31° 52' 00"	31° 12' 00"
2	31° 48' 00"	31° 12' 00"
3	31° 48' 00"	31° 10' 00"
4	Intersection of Long. 31° 10' 00" with Shore Line	31° 10' 00"
5	Intersection of Long. 30° 41' 00" with Shore Line	30° 41' 00"
6	31° 41' 00"	30° 41' 00"
7	31° 41' 00"	30° 42' 00"
8	31° 40' 00"	30° 42' 00"
9	31° 40' 00"	30° 43' 00"
10	31° 39' 00"	30° 43' 00"
11	31° 39' 00"	30° 44' 00"
12	31° 38' 00"	30° 44' 00"
13	31° 38' 00"	30° 45' 00"
14	31° 37' 00"	30° 45' 00"
15	31° 37' 00"	30° 46' 00"
16	31° 36' 00"	30° 46' 00"
17	31° 36' 00"	30° 49' 00"
18	31° 38' 00"	30° 49' 00"
19	31° 38' 00"	30° 50' 00"
20	31° 39' 00"	30° 50' 00"
21	31° 39' 00"	30° 51' 00"
22	31° 42' 00"	30° 51' 00"
23	31° 42' 00"	30° 50' 00"
24	31° 43' 00"	30° 50' 00"
25	31° 43' 00"	30° 49' 00"
26	31° 44' 00"	30° 49' 00"
27	31° 44' 00"	30° 48' 00"
28	31° 45' 00"	30° 48' 00"
29	31° 45' 00"	30° 46' 00"
30	31° 46' 00"	30° 46' 00"
31	31° 46' 00"	30° 45' 00"
32	31° 47' 00"	30° 45' 00"
33	31° 47' 00"	30° 44' 00"

NO.	Lat.	Long.
34	31° 45' 00"	30° 44' 00"
35	31° 45' 00"	30° 42' 00"
36	31° 58' 00"	30° 42' 00"
37	31° 58' 00"	30° 47' 00"
38	32° 00' 00"	30° 47' 00"
39	32° 00' 00"	31° 00' 00"
40	32° 01' 00"	31° 00' 00"
41	32° 01' 00"	31° 02' 00"
42	32° 02' 00"	31° 02' 00"
43	32° 02' 00"	31° 03' 00"
44	32° 03' 00"	31° 03' 00"
45	32° 03' 00"	31° 07' 00"
46	31° 59' 00"	31° 07' 00"
47	31° 59' 00"	31° 08' 00"
48	31° 57' 00"	31° 08' 00"
49	31° 57' 00"	31° 05' 00"
50	31° 55' 00"	31° 05' 00"
51	31° 55' 00"	31° 06' 00"
52	31° 54' 00"	31° 06' 00"
53	31° 54' 00"	31° 07' 00"
54	31° 53' 00"	31° 07' 00"
55	31° 53' 00"	31° 09' 00"
56	31° 52' 00"	31° 09' 00"

Aten Development Lease		
No.	Lat.	Long.
1	31° 51' 00"	30° 56' 00"
2	31° 51' 00"	30° 57' 00"
3	31° 47' 00"	30° 57' 00"
4	31° 47' 00"	30° 56' 00"
5	31° 48' 00"	30° 56' 00"
6	31° 48' 00"	30° 54' 00"
7	31° 50' 00"	30° 54' 00"
8	31° 50' 00"	30° 56' 00"



Well Name/Company	Spud Date/Compl. Date	TD/FM. @ TD	Lat./Long	Status
Baltim-1 IEOC	13-Sep-68 10-Dec-68	3910 M M. Miocene	31° 41' 57.21" 31° 03' 14.05"	P&A Dry Hole
W. Blatim-1 IEOC	14-Jul-07 16-Oct-07	4590 M Qantara (Miocene)	31° 53' 35.709" 31° 06' 43.812"	T&A



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# 2D & 3D Seismic Coverage



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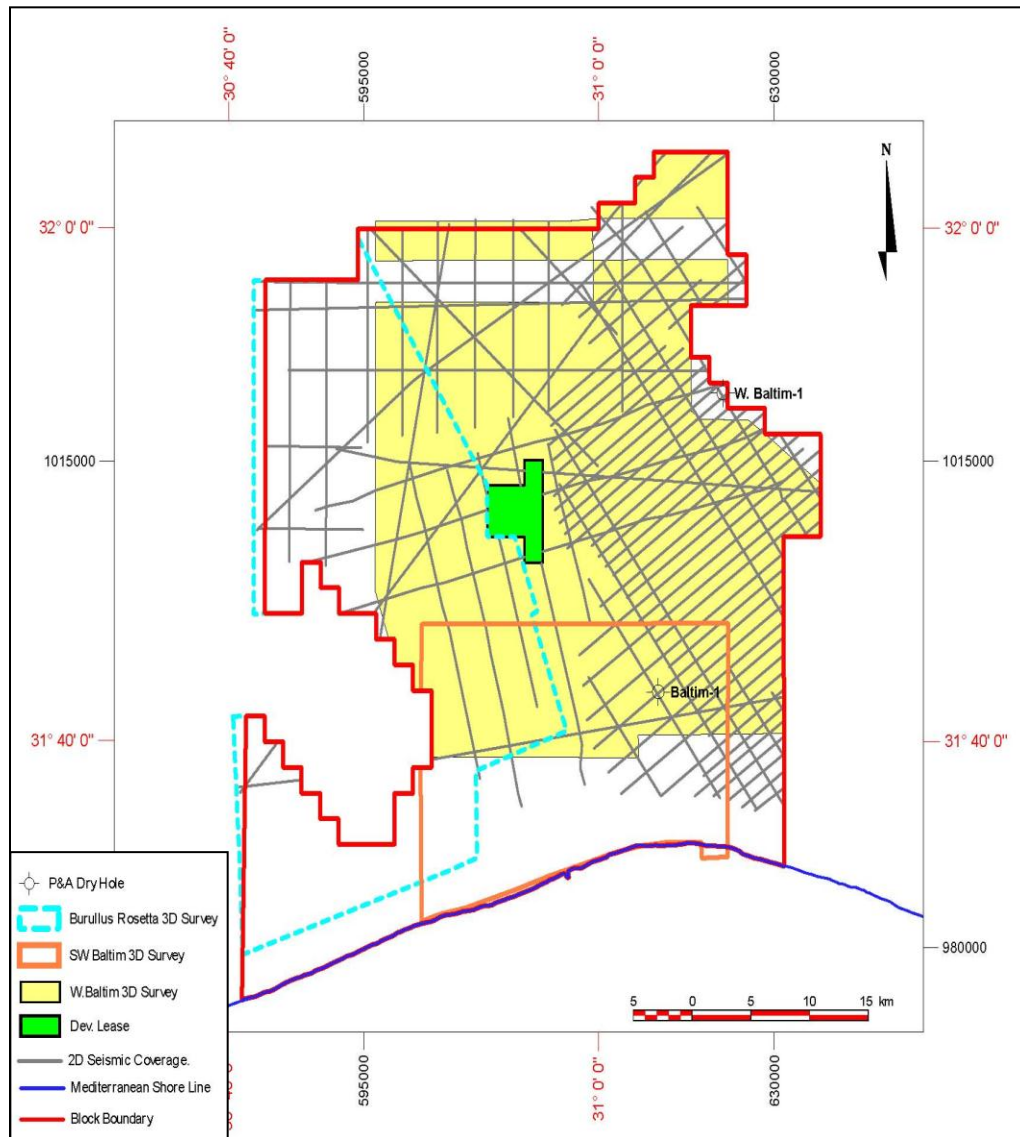
Block 7: North El Hammad Offshore

## 2D Seismic Surveys (Segy Standard Format)

Survey Name	Line-Km	No. of Seismic Lines
9207	718	49
9404	48	5
EGP	239	13
GND93	62	2
WDD96	12	1
WDN	171	7
9601	8	1
Bp_NDD 1&5	199	5
<b>Total</b>	<b>1457</b>	<b>83</b>

## 3D Seismic Data (Segy Standard Format)

Survey Name	Area (Sq. Km)
W. Baltim	1136
SW. Baltim	465
Burullus-Rosetta	725





# Block – 7 Prospectivity Examples

North El Hammad Offshore Block is located in the western part of the Central Nile Delta Offshore area, directly to the southeast of the NE-SW Rosetta Trend of gas-condensate fields. The fields of this trend comprise channel sandstones of Pliocene age forming stratigraphic traps, within the surrounding intraformational shales of Kafr El Sheikh, frequently associated with structural component and showing significant amplitude anomalies on seismic sections. Also, the Rosetta Trend includes some fields involving Miocene sandstone reservoirs in stratigraphic/structural combination traps with rich gas potential. North El Hammad Offshore Block is situated to the west of the NNW-SSE Abu Madi Trend of gas-condensate fields (e.g. Baltim N, Baltim E, Baltim S & Nidoco) which comprise stratigraphic/structural traps, mainly with Miocene sandstone reservoirs. In addition to its location in the above mentioned setting, North El Hammad Offshore encompasses IEOC's Pliocene Aten Development Lease (proposal) and surrounds bp's Lower Miocene Rahamat Development Lease.

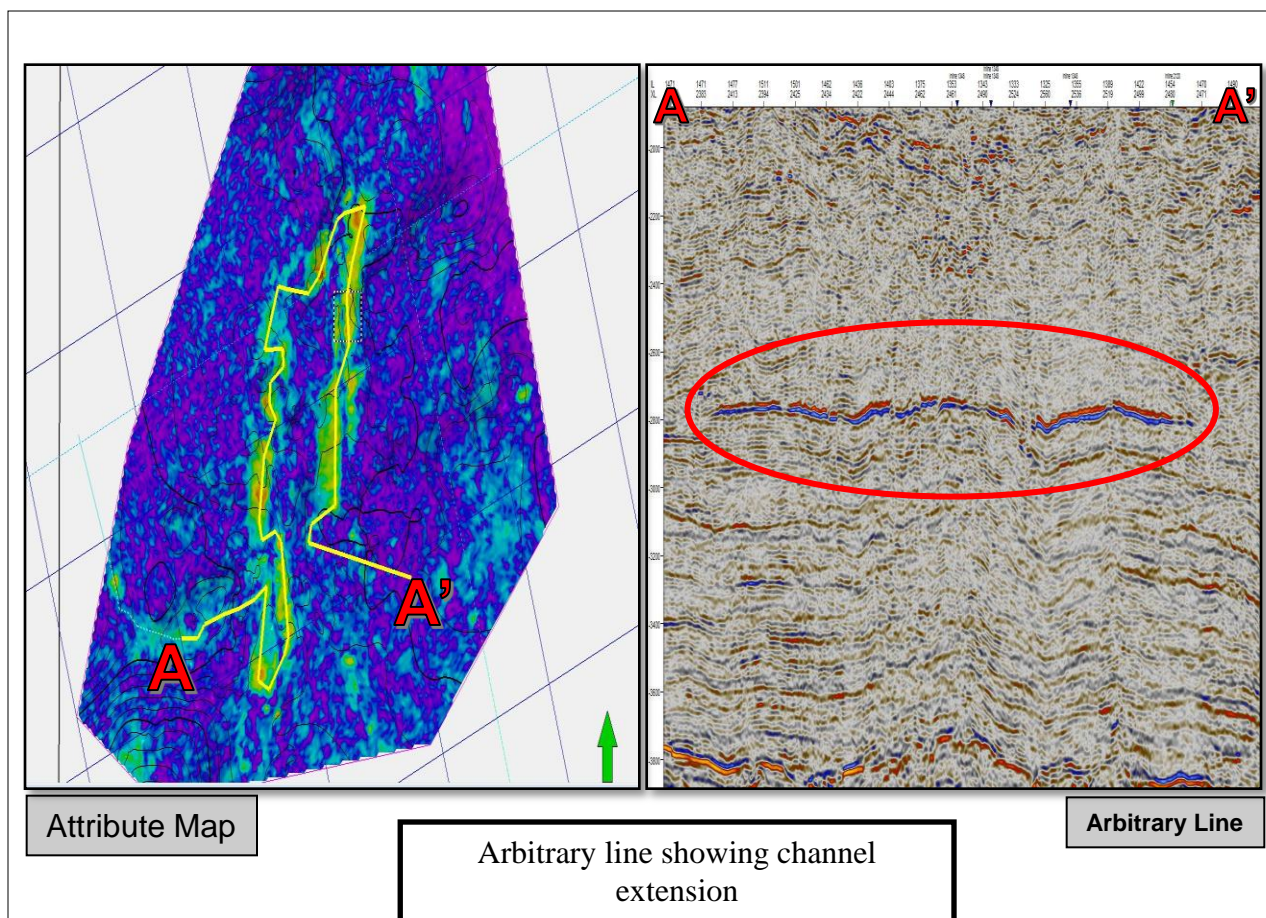
## Pliocene Play Concept:

**Source:** Massive shales of Kafr El Sheikh Fm.

**Reservoir:** Anticipated to comprise sandstone channel-like features within Kafr El Sheikh Fm.

**Seal:** Provided by intra-formational shales of KES Fm.

**Trapping:** Stratigraphic/structural combination trap.





**Oligocene Play Concept:**

**Source:** The Oligocene shale is expected to constitute the main source (self sourcing) in the area, in addition to anticipated migration from the Mesozoic, Jurassic to Cretaceous source rocks through proximal deep seated faults.

**Reservoir:** Oligocene channel sandstones within the lower part of the Tineh Fm.

**Seal:** Intra-formational shales of the Oligocene are anticipated to provide the top and lateral seal.

**Trapping:** 4-way dip structural closure.

