

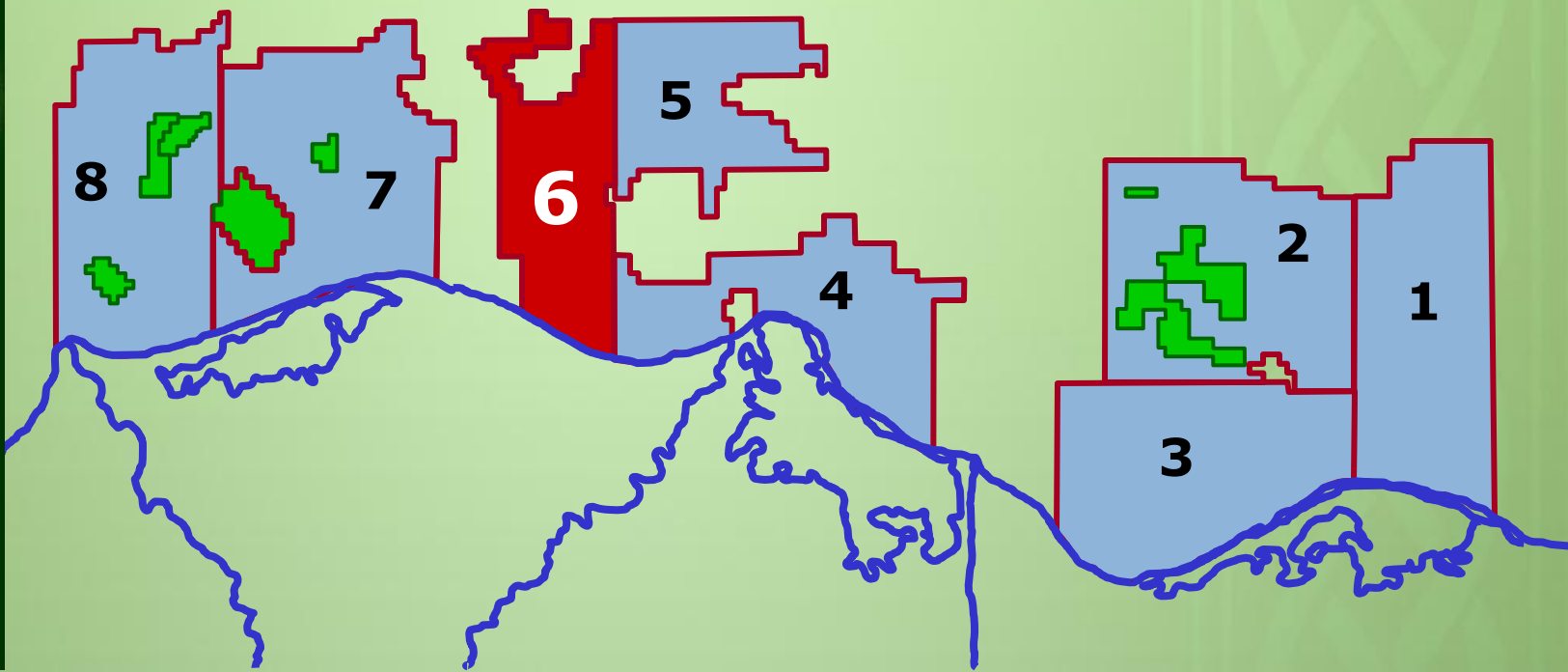


Ministry of Petroleum
and Mineral Resources



Block 6

South Tennin Offshore



BID 2015



Block Summary

Location:

South Tinnin Offshore Block is located at approximately 97 km to the northwest of Port Said city and some 151 km to the northeast of Alexandria city, with the Mediterranean shoreline forming its southern boundary. The block extends seaward for additional 64 km attaining a maximum water depth of 250 m. South Tinnin Offshore Block is situated in an area with well-established infrastructure for gas-condensate production /transportation.

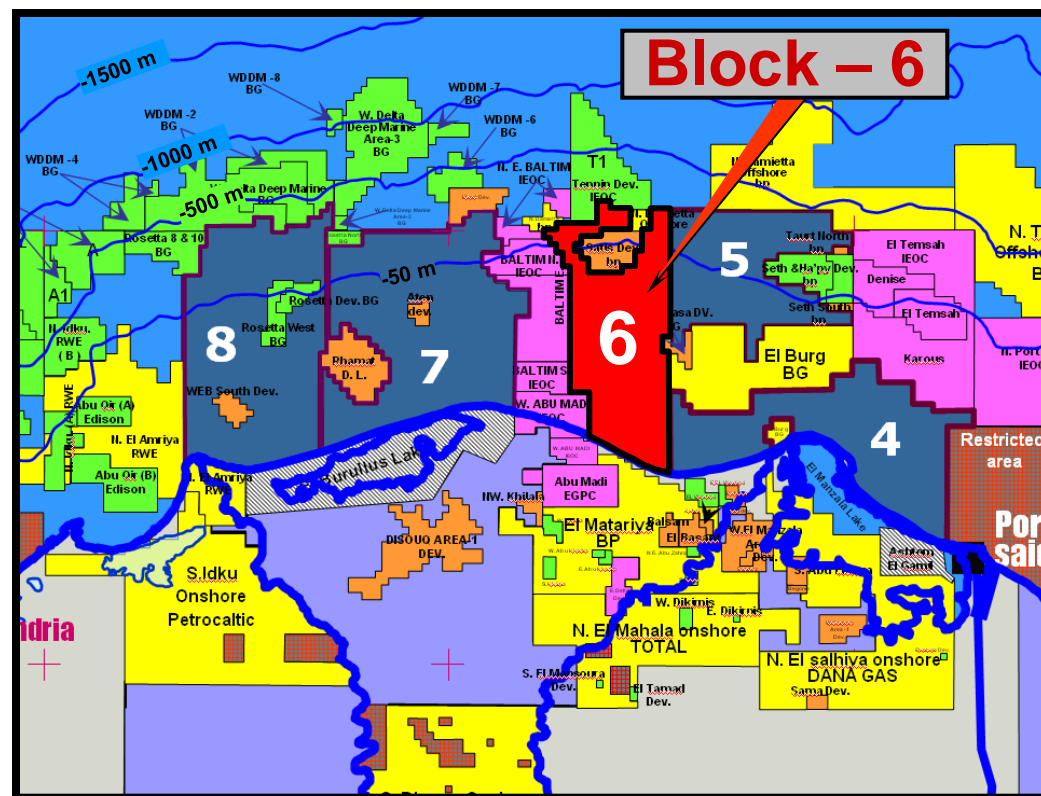
Total Area: 1275 Km²

Water Depth: 0 - 250 m

Previous Concessionaire: IEOC, Amoco, Shell & BG

Nearby Fields & Discoveries:

South Tinnin Offshore Block is located directly to the east of the Abu Madi Trend of gas-condensate fields (Baltim East, Baltim North, Baltim South, etc..), producing from Miocene sandstone reservoirs. This is in addition to BG's Oligocene Notus-1 gas-condensate discovery, located to the east of the central part of the block; a development lease proposal for this discovery was submitted by BG to EGAS.





EGAS



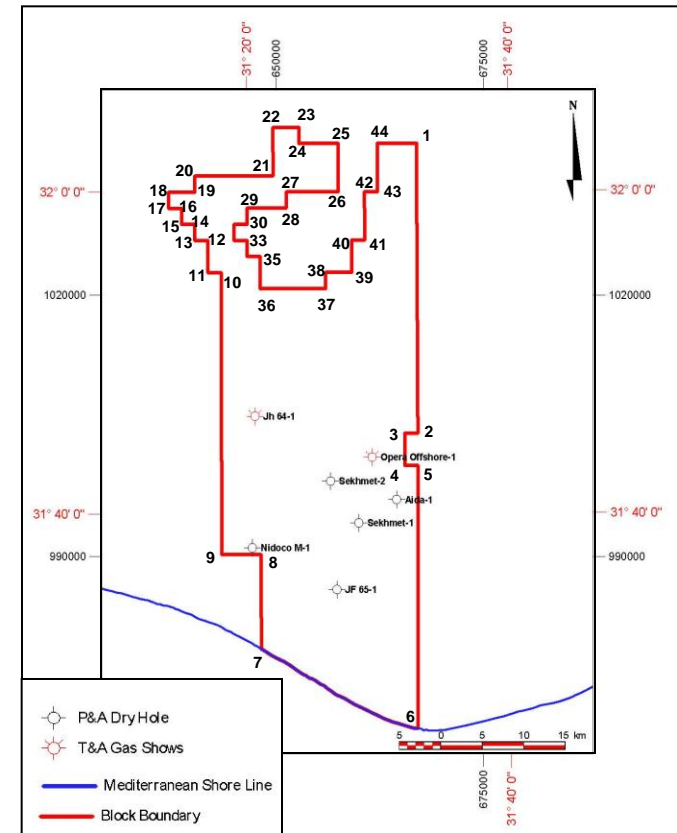
Ministry of Petroleum and Mineral Resources

Block Coordinates & Drilled Wells

Block 6: South Tinnin Offshore

Block 6 South Tinnin Offshore

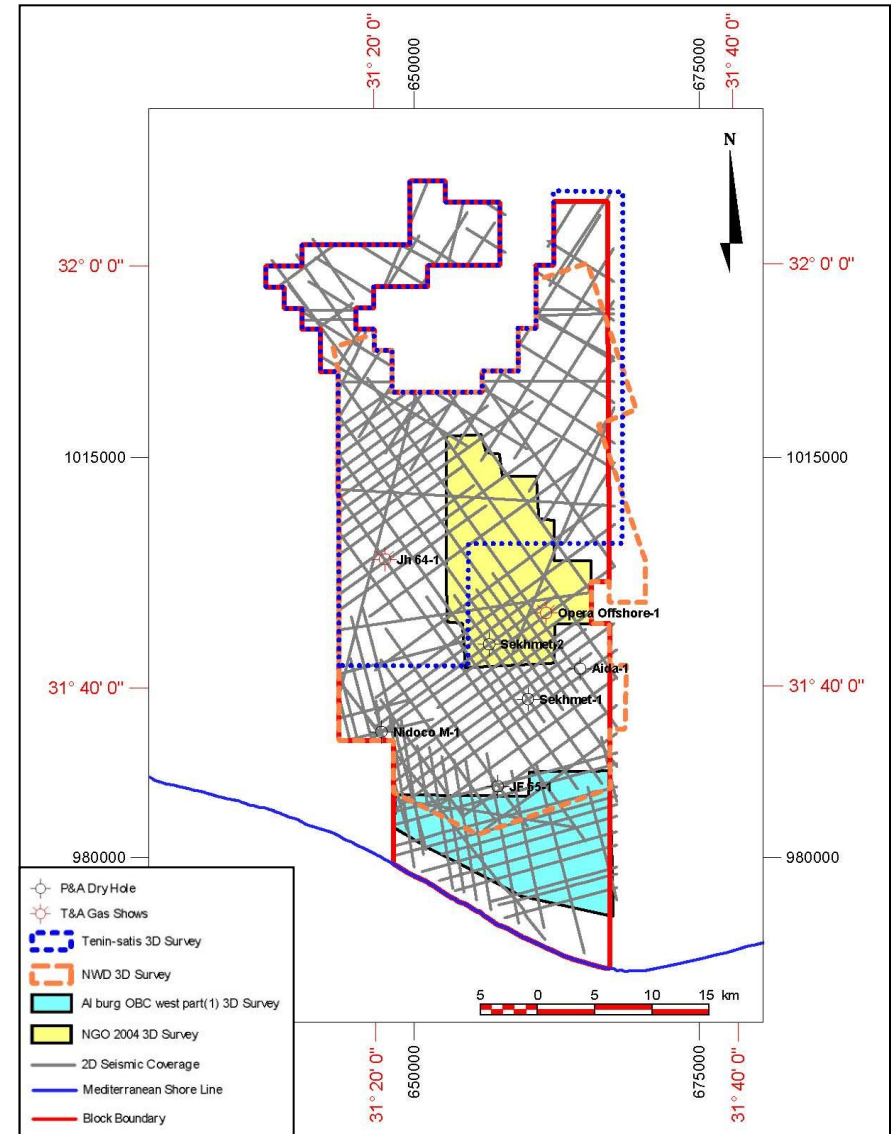
NO.	Lat.	Long.	NO.	Lat.	Long.
1	32° 03' 00"	31° 33' 00"	23	32° 04' 00"	31° 24' 00"
2	31° 45' 00"	31° 33' 00"	24	32° 03' 00"	31° 24' 00"
3	31° 45' 00"	31° 32' 00"	25	32° 03' 00"	31° 27' 00"
4	31° 43' 00"	31° 32' 00"	26	32° 00' 00"	31° 27' 00"
5	31° 43' 00"	31° 33' 00"	27	32° 00' 00"	31° 23' 00"
6	Intersection of Long. 31° 33' 00" with Shore Line		28	31° 59' 00"	31° 23' 00"
7	Intersection of Long. 31° 21' 00" with Shore Line		29	31° 59' 00"	31° 20' 00"
8	31° 37' 30"	31° 21' 00"	30	31° 58' 00"	31° 20' 00"
9	31° 37' 30"	31° 18' 00"	31	31° 58' 00"	31° 19' 00"
10	31° 55' 00"	31° 18' 00"	32	31° 57' 00"	31° 19' 00"
11	31° 55' 00"	31° 17' 00"	33	31° 57' 00"	31° 20' 00"
12	31° 57' 00"	31° 17' 00"	34	31° 56' 00"	31° 20' 00"
13	31° 57' 00"	31° 16' 00"	35	31° 56' 00"	31° 21' 00"
14	31° 58' 00"	31° 16' 00"	36	31° 54' 00"	31° 21' 00"
15	31° 58' 00"	31° 15' 00"	37	31° 54' 00"	31° 26' 00"
16	31° 59' 00"	31° 15' 00"	38	31° 55' 00"	31° 26' 00"
17	31° 59' 00"	31° 14' 00"	39	31° 55' 00"	31° 28' 00"
18	32° 00' 00"	31° 14' 00"	40	31° 57' 00"	31° 28' 00"
19	32° 00' 00"	31° 16' 00"	41	31° 57' 00"	31° 29' 00"
20	32° 01' 00"	31° 16' 00"	42	32° 00' 00"	31° 29' 00"
21	32° 01' 00"	31° 22' 00"	43	32° 00' 00"	31° 30' 00"
22	32° 04' 00"	31° 22' 00"	44	32° 03' 00"	31° 30' 00"



Well Name/Company	Spud Date/Compl. Date	TD/FM. @ TD	Lat./Long	Status
Nidoco M-1 IEOC	14-Aug-90 19-Sep-90	3608 M Qawasim (Miocene)	31° 37' 54.705" 31° 20' 20.470"	P&A Dry Hole
Sekhmet-1 Amoco	21-Aug-93 15-Oct-93	3358 M Sidi Salem (Miocene)	31° 39' 26.28" 31° 28' 28.29"	P&A Dry Hole
Sekhmet-2 Amoco	13-Mar-95 9-Apr-95	3380 M Sidi Salem (Miocene)	31° 42' 02.516" 31° 26' 19.594"	P&A Dry Hole
Jg 66-1A (Aida-1) Shell	22-Mar-01 2-Jun-01	3770 M Sidi Salem (Miocene)	31° 40' 52.643" 31° 31' 21.703"	P&A Dry Hole
JF 65-1 Shell	24-Apr-06 25-May-06	3412 M Qawasim (Miocene)	31° 35' 18.565" 31° 26' 46.666"	P&A Dry Hole
Jh 64-1 Shell	1-Nov-09 14-Dec-09	5760 M Tineh	31° 46' 05.286" 31° 20' 34.577"	T&A Gas discovery (non-commercial)
Opera Offshore-1 BG	17-Feb-14 4-Apr-14	1950 M K. El Sheikh (Pliocene)	31° 43' 30.814" 31° 29' 30.188"	T&A Gas discovery (non-commercial)

2D Seismic Surveys (Segy Standard Format)		
Survey Name	Line-Km	No. of Seismic Lines
8911	24	4
9505	327	23
9601	39	5
9607	254	18
EGP	28	2
GND93	9	1
9207	883	47
Bp_ND1&5	140	7
Others	84	9
Total	1788	116

3D Seismic Data (Segy Standard Format)	
Survey Name	Area (Sq. Km)
NGO 2004	178
El Burg OBC West	158
Tennin-Satis	735
NWD	977



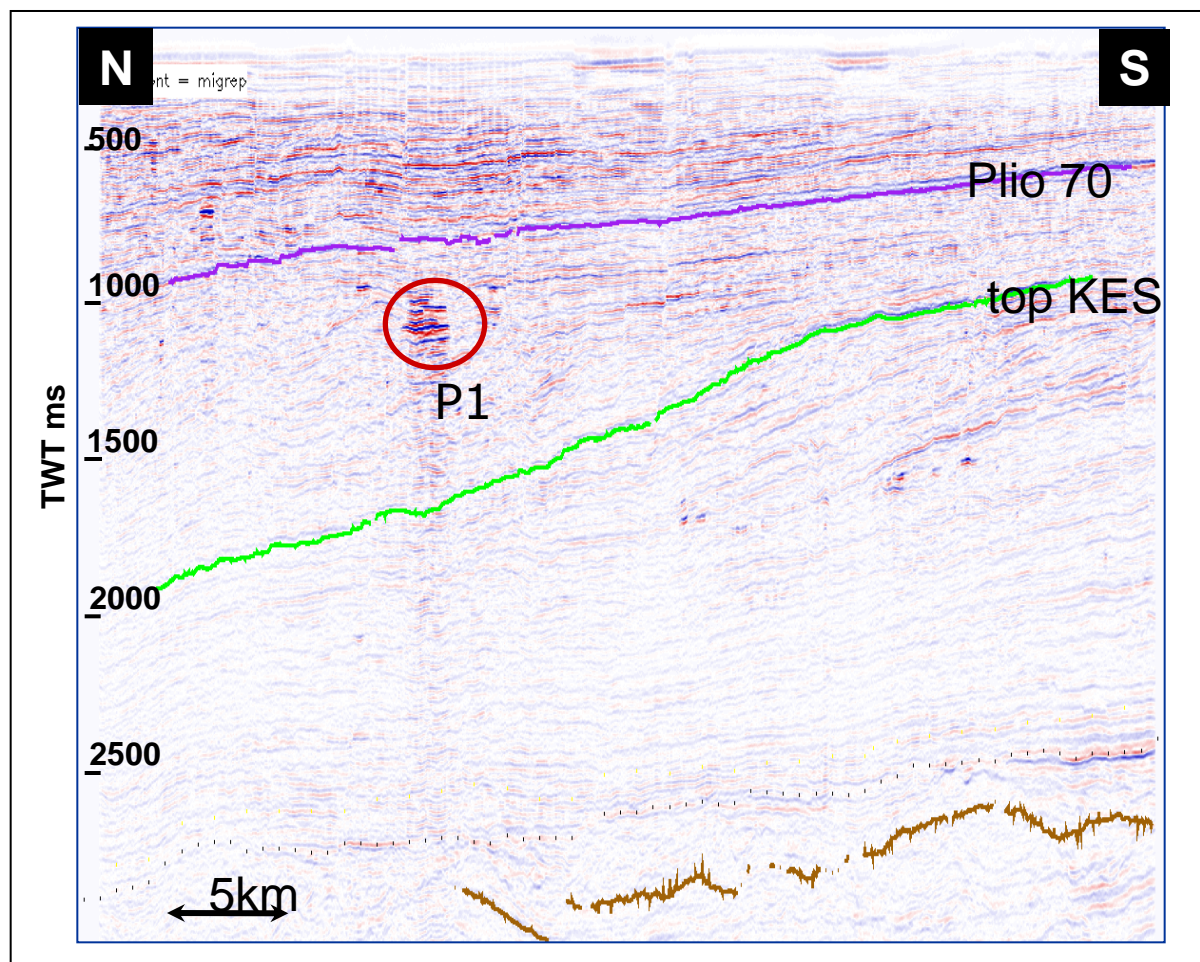


Block – 6 Prospectivity Examples

South Tennin Offshore Block is located in the southern part of the Central Nile Delta Offshore area, directly to the east 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. The block is also situated to the west of the recent Oligocene Notus-1 gas-condensate discovery and embraces the Satis Development Lease in its northern part. In addition to that, two wells (Opera Offshore-1 and Jh 64-1) out of the 7 wells drilled in the block recorded gas shows in the sandstones of the Pliocene section.

Pliocene Play Concept:

- Source:** Massive shales of Kafr El Sheikh.
- Reservoir:** Sandstone slope channels within the Upper Pliocene.
- Seal:** The massive shale of deep marine deposits provides the main seal. This shale forms both top and lateral seal for the target reservoirs.
- Trapping:** The trapping mechanism is mainly stratigraphic





Oligocene Play Concept:

Source: Oligocene source rock is the main hydrocarbon generator anticipated for the play.

Reservoir: Oligocene reservoir is expected to be developed mainly in slope channel turbidities.

Seal: Intra-Oligocene shales as well as shale package of expected lower Miocene age (Qantara Fm.) is anticipated to provide the regional top seal.

Trapping: 4-way dip structural closure comprising channel fill stratigraphic features associated with roll over anticlines.

