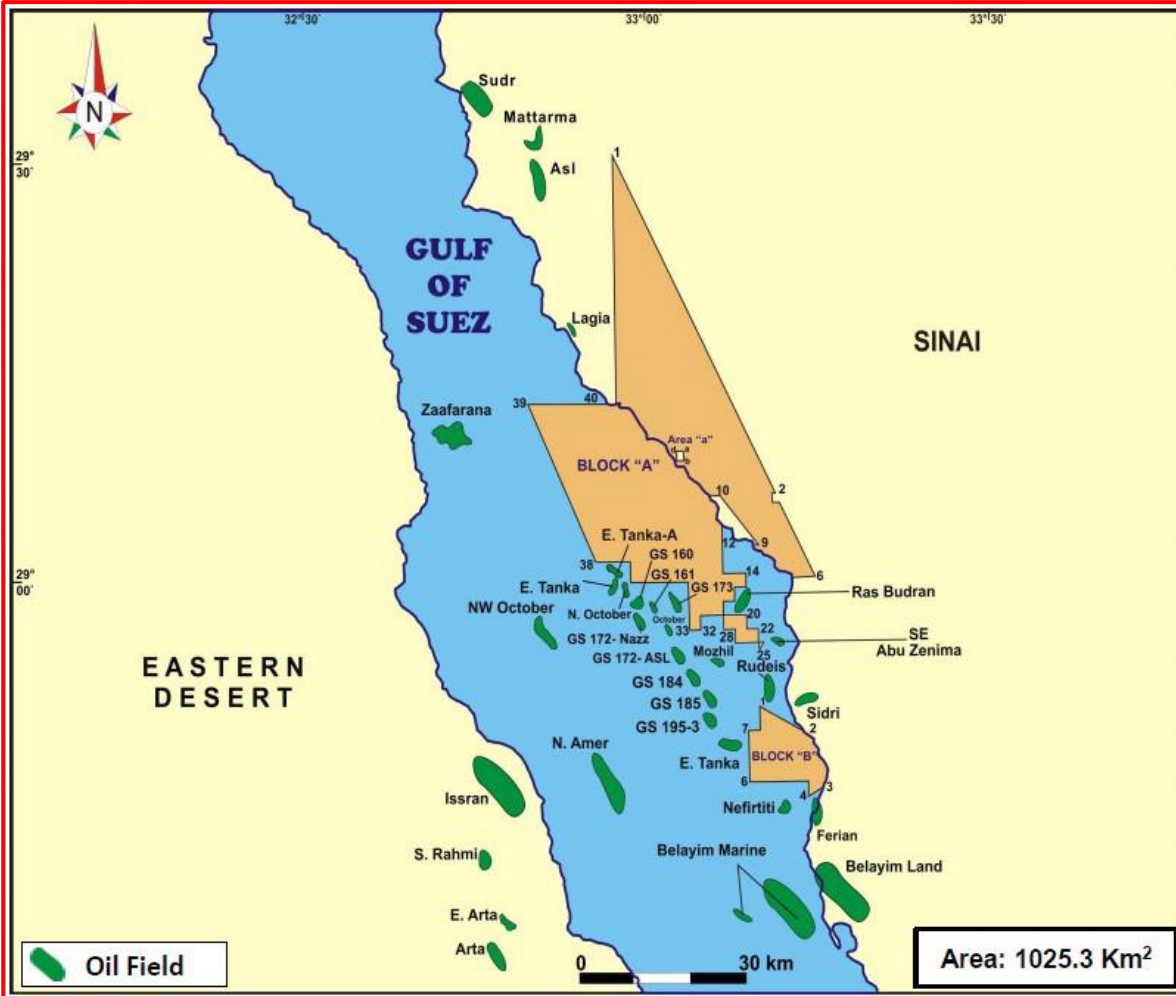


1. South Lagia 2018 BID ROUND BLOCKS

Block Coordinates



Geographic Coordinate System used: Egypt 1907
Angular Unit: Degree
Radians per unit: 0.0174532925199433
Prime Meridian: Greenwich, Longitude (00° 001 00.0011)
Datum: Egypt 1907
Spheroid: Helmert 1906
Semi major Axis: 6378200.0
Semi minor Axis: 6356818.169627891
Inverse Flattening: 298.3

BLOCK "A"				Coordinates		BLOCK "B"	
LAT.	LONG.	LAT.	LONG.	LAT.	LONG.	LAT.	LONG.
1- 29° 30' 00.00"	32° 57' 00.00"	16- 28° 59' 00.00"	33° 07' 00.00"	31- 28° 57' 00.00"	33° 04' 00.00"	1- 28° 50' 30.54"	33° 09' 05.87"
2- 29° 05' 40.00"	33° 10' 38.27"	17- 28° 58' 00.00"	33° 07' 00.00"	32- 28° 56' 00.00"	33° 04' 00.00"	2- Eastern Coast of GOS Shoreline	33° 11' 28.81"
3- 29° 05' 40.00"	33° 10' 30.00"	18- 28° 58' 00.00"	33° 06' 00.00"	33- 28° 56' 00.00"	33° 03' 03.59"	3- 28° 44' 45.00"	Eastern Coast of GOS Shoreline
4- 29° 05' 00.00"	33° 10' 30.00"	19- 28° 57' 00.00"	33° 06' 00.00"	34- 28° 56' 48.76"	33° 03' 04.56"	4- 28° 44' 13.00"	33° 13' 00.00"
5- 29° 05' 00.00"	33° 11' 00.69"	20- 28° 57' 00.00"	33° 08' 00.00"	35- 28° 59' 31.05"	33° 03' 07.76"	5- 28° 45' 00.00"	33° 13' 00.00"
6- 28° 58' 40.00"	33° 14' 33.66"	21- 28° 56' 00.00"	33° 08' 00.00"	36- 28° 59' 35.65"	32° 58' 00.00"	6- 28° 45' 00.00"	33° 08' 00.00"
7- 28° 58' 40.00"	Eastern Coast of GOS Shoreline	22- 28° 56' 00.00"	33° 09' 00.00"	37- 29° 01' 00.00"	32° 58' 00.00"	7- 28° 48' 38.813"	33° 08' 00.00"
8- 29° 02' 00.00"	Eastern Coast of GOS Shoreline	23- 28° 55' 00.00"	33° 09' 00.00"	38- 29° 01' 00.00"	32° 55' 00.00"	8- 28° 48' 36.12"	33° 09' 03.53"
9- 29° 02' 00.00"	33° 08' 40.00"	24- 28° 55' 00.00"	33° 09' 24.00"	39- 29° 12' 08.00"	32° 49' 00.00"		
10- 29° 04' 20.00"	33° 05' 50.00"	25- 28° 54' 28.52"	33° 09' 00.00"	40- Eastern Coast of GOS Shoreline	32° 57' 00.00"		
11- 29° 04' 20.00"	Eastern Coast of GOS Shoreline	26- 28° 55' 00.00"	33° 09' 00.00"				
12- Eastern Coast of GOS Shoreline	33° 06' 00.00"	27- 28° 55' 00.00"	33° 07' 00.00"				
13- 29° 00' 00.00"	33° 06' 00.00"	28- 28° 56' 00.00"	33° 07' 00.00"				
14- 29° 00' 00.00"	33° 08' 00.00"	29- 28° 56' 00.00"	33° 06' 00.00"				
15- 28° 59' 00.00"	33° 08' 00.00"	30- 28° 57' 00.00"	33° 06' 00.00"				

Excluded Area	
Area "a"	
a- 29° 08' 45.00"	33° 02' 40.00"
b- 29° 08' 20.00"	33° 02' 40.00"
c- 29° 08' 20.00"	33° 02' 10.00"
d- 29° 08' 45.00"	33° 02' 10.00"

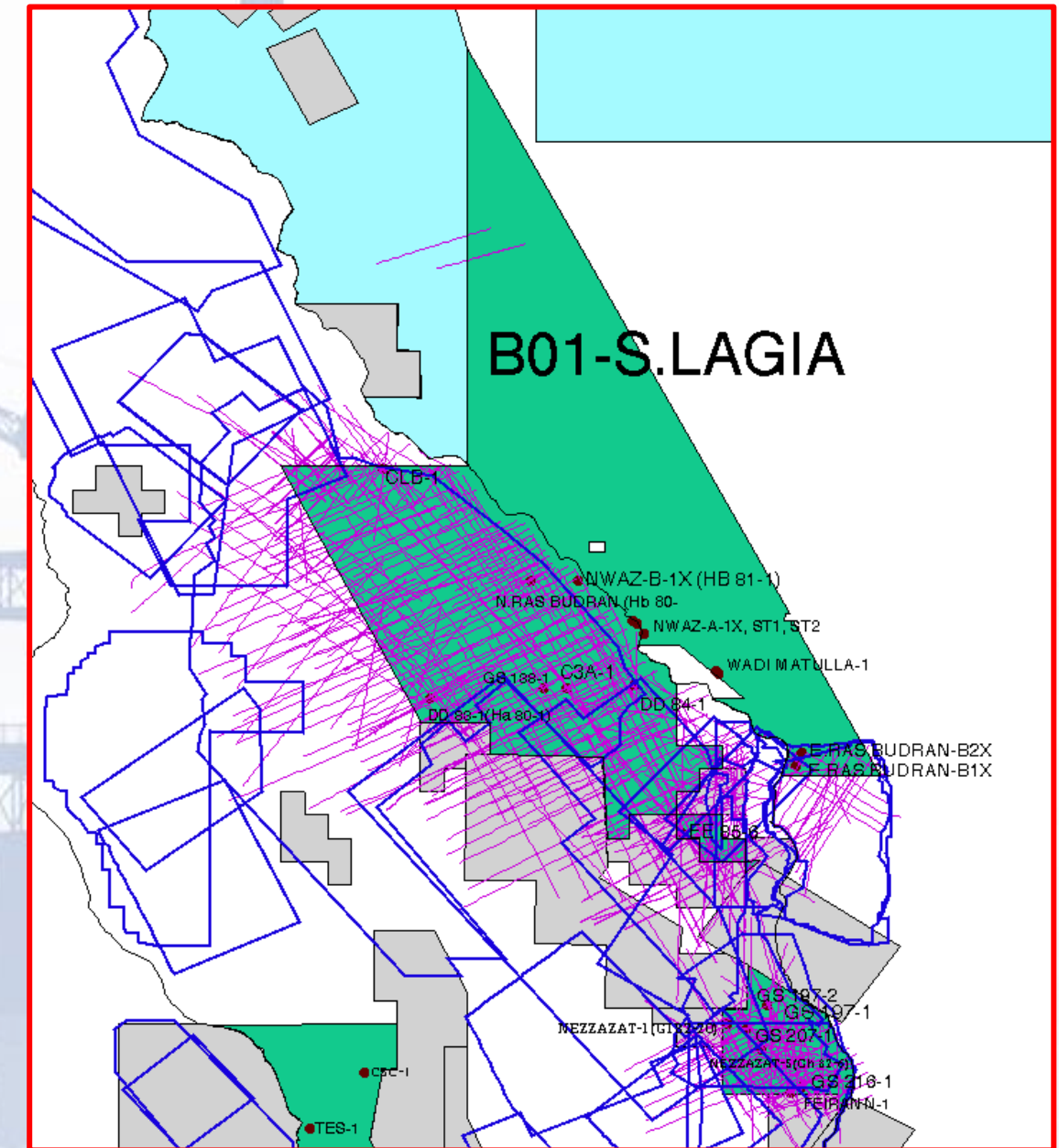
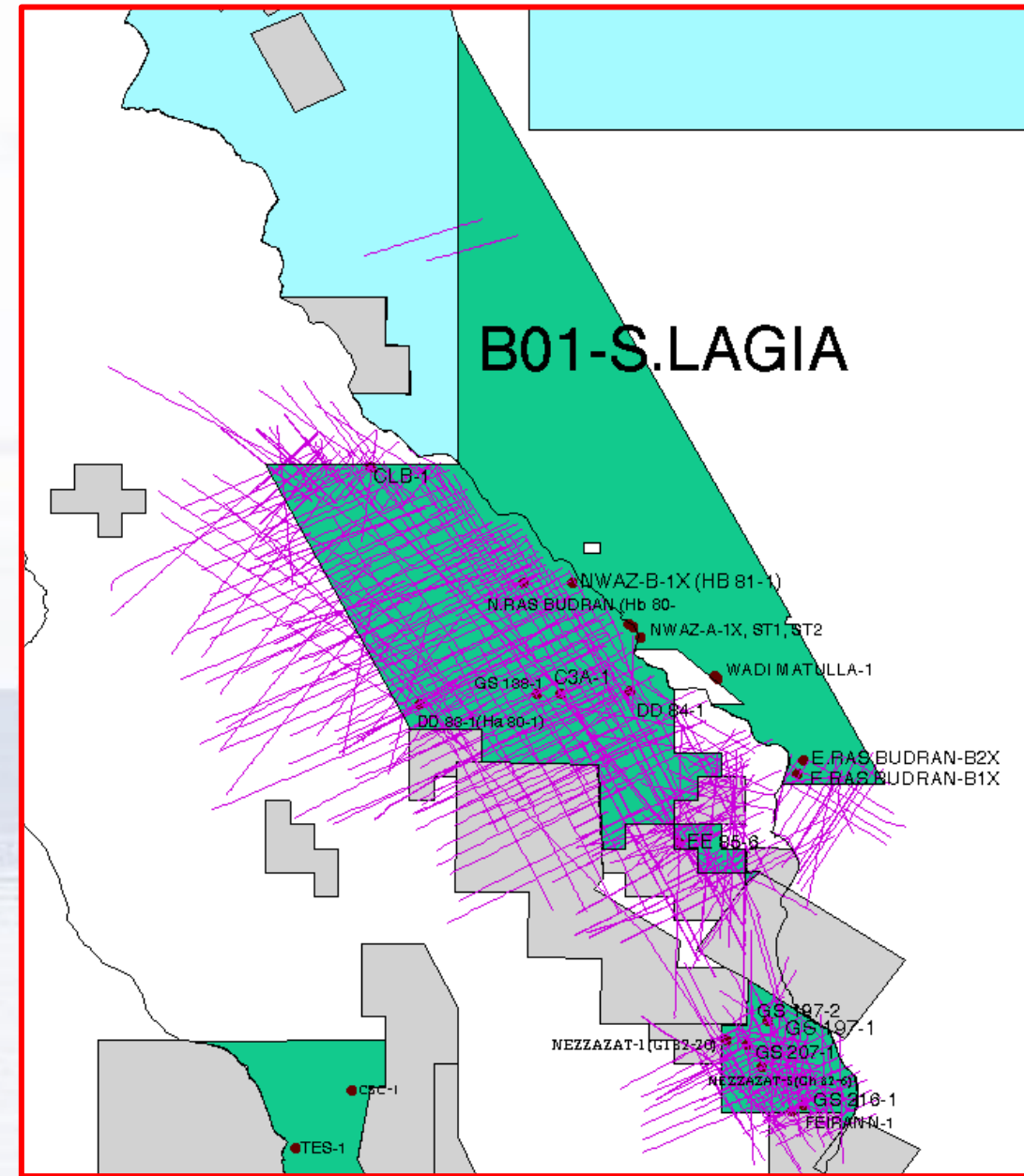
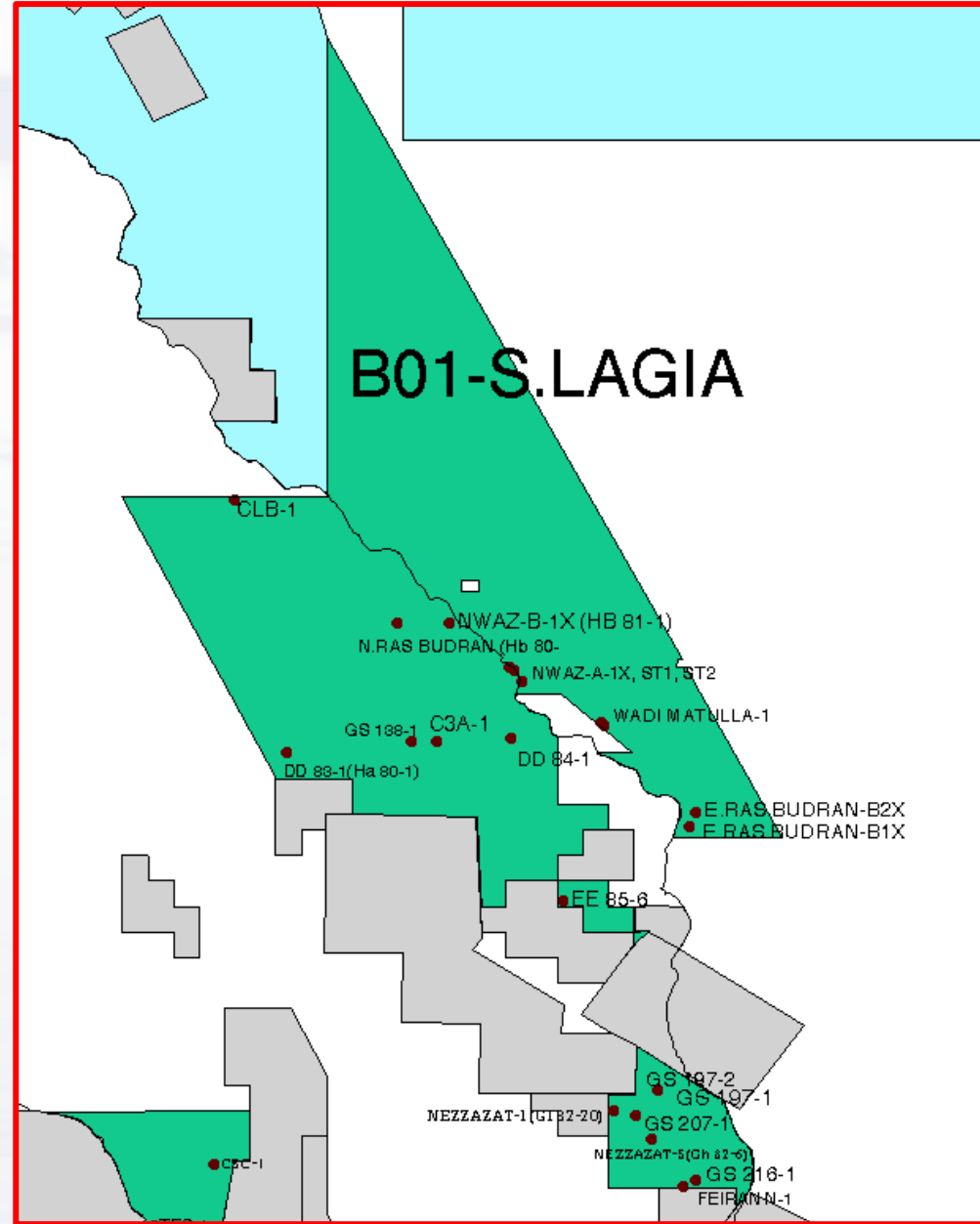
SOUTH LAGIA WELLS

NO.	WELL NAME / NEW NAME	COMPANY	SPUD. DATE COMP. DATE	LAT. LONG.	T. D. FEET	FORMATION REACHED	FINAL STATUS
1	NWAZ A-1X (Ha 81-9)	APACHE	23/04/2017 30/06/2017	29° 04' 51.0" 33° 04' 42.3"	7,350	BASEMENT	P & A
2	NWAZ B-1X (Hb 81-1)	APACHE	27/03/2016 11/04/2016	29° 07' 05.8" 33° 01' 49.0"	4,500	BASEMENT	P & A (Oil shows in Early Cret.)
3	ERB B-2 X (Gj82-20)	APACHE	09/02/2008 15/03/2008	28° 59' 42.6" 33° 11' 30.2"	5,556	BASEMENT	P & A (Oil & Gas shows in Nukhul & Basement)
4	ERB B-1 X (Gj 82-19)	APACHE	07/10/2007 23/11/2007	28° 59' 08.7" 33° 11' 16.6"	5,128	BASEMENT	P & A (Oil & Gas shows in Nukhul & Basement)
5	FEIRAN N-1 (Gh 82-8)	IEOC	20/07/1998 19/09/1998	28° 45' 06.4" 33° 10' 59.5"	12,550	BASEMENT	P & A
6	NEZZAZAT-5 (Gh 82-6)	IEOC	09/12/1992 07/03/1993	28° 46' 58.6" 33° 09' 45.8"	12,796	THEBES	P & A
7	N. Badran (Hb 80-1)	IEOC	27/02/1991 02/06/1991	29° 07' 06.6" 32° 56' 47.4"	11,034	BASEMENT	P & A (weak shows in Rudeis)
8	NEZZAZAT-1 (Gi 82-20)	IEOC	17/03/1989 02/07/1989	28° 47' 81.0" 33° 08' 19.8"	13,672	NUBIA	P & A
9	C3A -1 (Ha 81-7)	CONOCO	10/03/1985 29/05/1985	29° 02' 27.8" 33° 01' 19.3"	13,931	EOCENE	P & A (Oil shows in L. Miocene)
10	CLB -1 (Hb 79-1)	CONOCO	15/10/1982 26/02/1983	29° 11' 55.7" 32° 53' 25.9"	14,364	NUBIA	P & A
11	DD 84-1 (Ha 81-6)	DEMINEX	30/06/1982 08/09/1982	29° 02' 37.9" 33° 04' 16.6"	10,685	BASEMENT	P & A
12	EE 85-6A (Gj 82-7)	DEMINEX	20/02/1982 15/05/1982	28° 56' 13.8" 33° 06' 21.1"	12,286	EOCENE	P & A

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SOUTH LAGIA WELLS

NO.	WELL NAME / NEW NAME	COMPANY	SPUD. DATE COMP. DATE	LAT. LONG.	T. D. FEET	FORMATION REACHED	FINAL STATUS
13	<i>GS 207-1A (Gh 82-3)</i>	<i>bp</i>	<i>11/04/1981 27/06/1981</i>	<i>28° 47' 52.1" 33° 09' 09.4"</i>	<i>12,750</i>	<i>NUBIA</i>	<i>P & A</i>
14	<i>GS 197-1 (Gi 82-10)</i>	<i>bp</i>	<i>19/03/1980 09/06/1980</i>	<i>28° 48' 47.4" 33° 09' 59.2"</i>	<i>13,500</i>	<i>NUBIA</i>	<i>P & A</i>
15	<i>GS 216-1 (GH 82-1)</i>	<i>bp</i>	<i>13/01/1980 10/03/1980</i>	<i>28° 45' 21.2" 33° 11' 29.3"</i>	<i>10,303</i>	<i>BASEMENT</i>	<i>P & A</i>
16	<i>GS 138-1B (Ha 81-5)</i>	<i>bp</i>	<i>07/07/1979 25/03/1980</i>	<i>29° 02' 29.3" 33° 00' 22.3"</i>	<i>16,800</i>	<i>L. CRETACEOUS</i>	<i>P & A (Oil shows in Matulla)</i>
17	<i>DD 83-1 (Ha 80-1)</i>	<i>DEMINEX</i>	<i>14/06/1979 14/10/1979</i>	<i>29° 02' 05.7" 32° 55' 27.9"</i>	<i>14,297</i>	<i>WATA</i>	<i>P & A</i>
18	<i>WADI MATULLA -3 (Ha 82-3)</i>	<i>AEO</i>	<i>19/10/1921 26/01/1922</i>	<i>29° 03' 12.4" 33° 07' 44.8"</i>	<i>2,110</i>	<i>L. CRETACEOUS</i>	<i>Gas Shows</i>
19	<i>WADI MATULLA -2 (Ha 82-2)</i>	<i>AEO</i>	<i>10/08/1921 16/08/1921</i>	<i>29° 03' 03.8" 33° 07' 52.8"</i>	<i>0,202</i>	<i>U. CRETACEOUS</i>	<i>Gas Shows</i>
20	<i>WADI MATULLA -1 (Ha 82-1)</i>	<i>AEO</i>	<i>21/05/1921 12/07/1921</i>	<i>29° 03' 13.9" 33° 07' 46.9"</i>	<i>0,500</i>	<i>U. CRETACEOUS</i>	<i>Gas Shows</i>
21	<i>GEBEL TANKA -3 (Ha 81-3)</i>	<i>AEO</i>	<i>01/09/1912 12/10/1912</i>	<i>29° 05' 15.7" 33° 04' 22.9"</i>	<i>0,510</i>	<i>EOCENE</i>	<i>Gas Shows</i>
22	<i>GEBEL TANKA -2 (Ha 81-2)</i>	<i>AEO</i>	<i>01/05/1911 28/02/1913</i>	<i>29° 05' 15.7" 33° 04' 22.9"</i>	<i>2,292</i>	<i>U. CRETACEOUS</i>	<i>Gas Shows</i>
23	<i>GEBEL TANKA -1 (Ha 81-1)</i>	<i>AEO</i>	<i>08/08/1910 31/08/1913</i>	<i>29° 05' 21.0" 33° 04' 15.2"</i>	<i>2,930</i>	<i>U. CRETACEOUS</i>	<i>Gas & Oil Shows</i>



2D Seismic Data: 4269 Km

3D Seismic Survey: 563 Km²

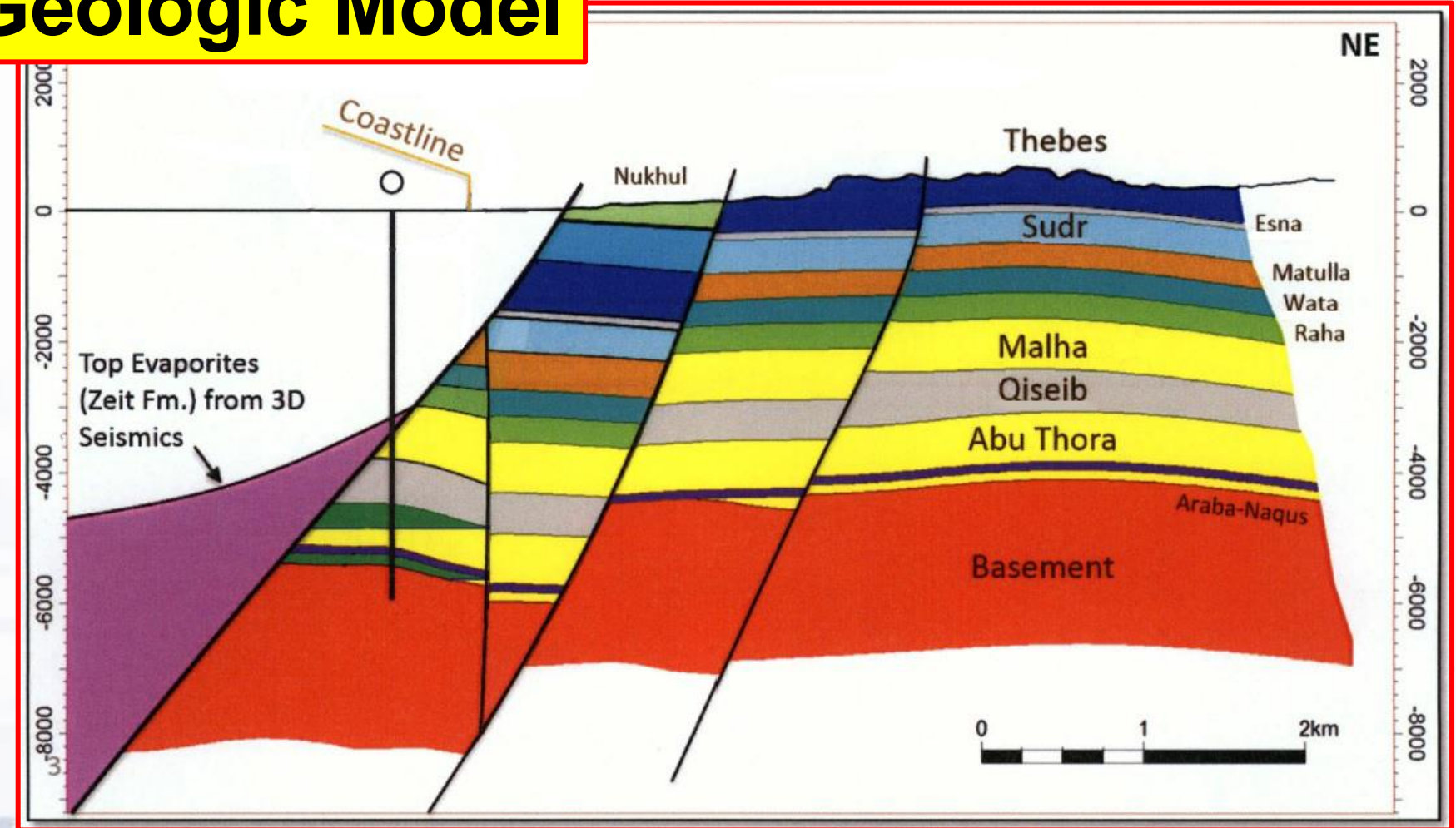
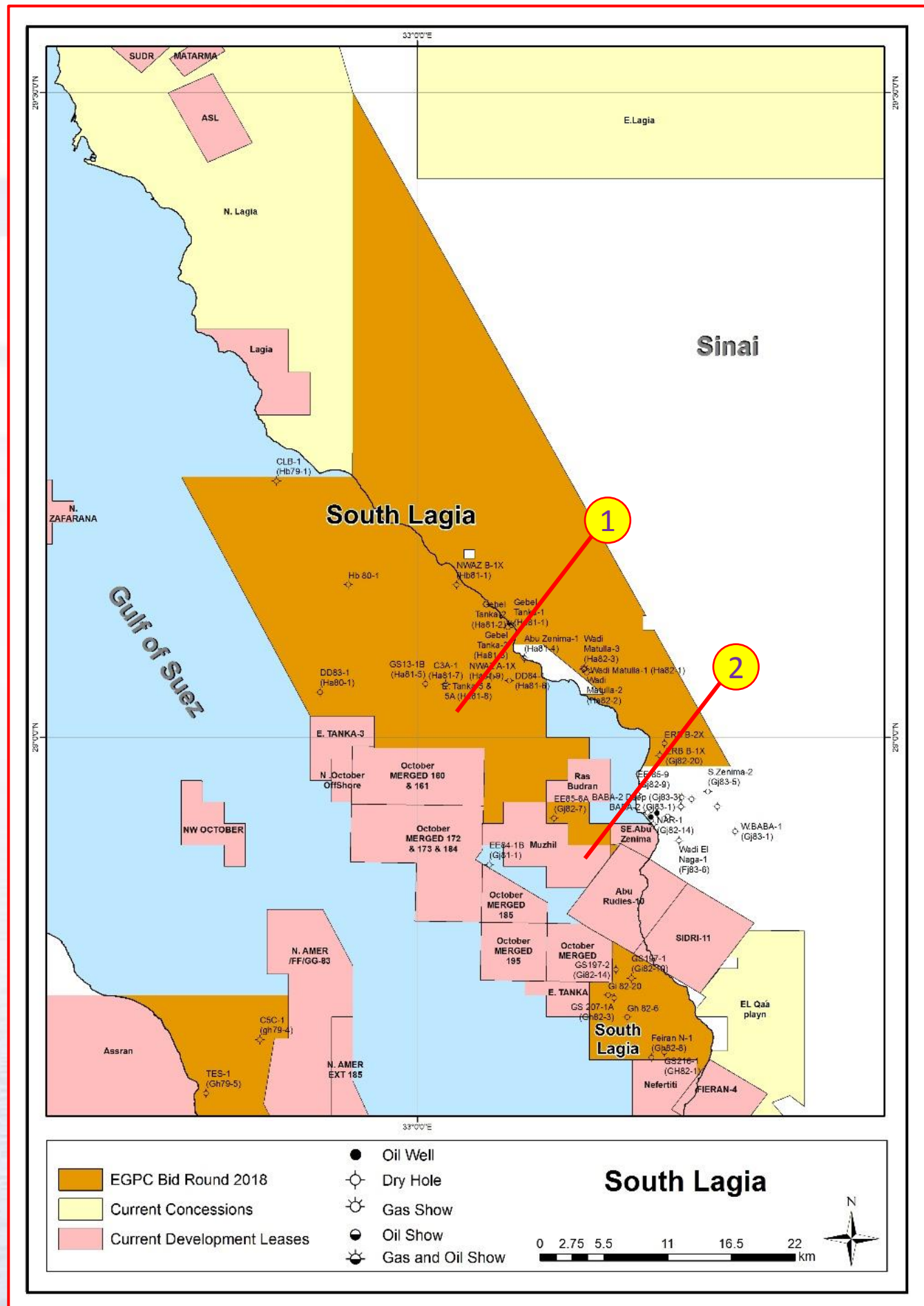
✓ **Tanka Survey: 484 Km²**

✓ **Dana Petrobel OBC: 79 Km²**

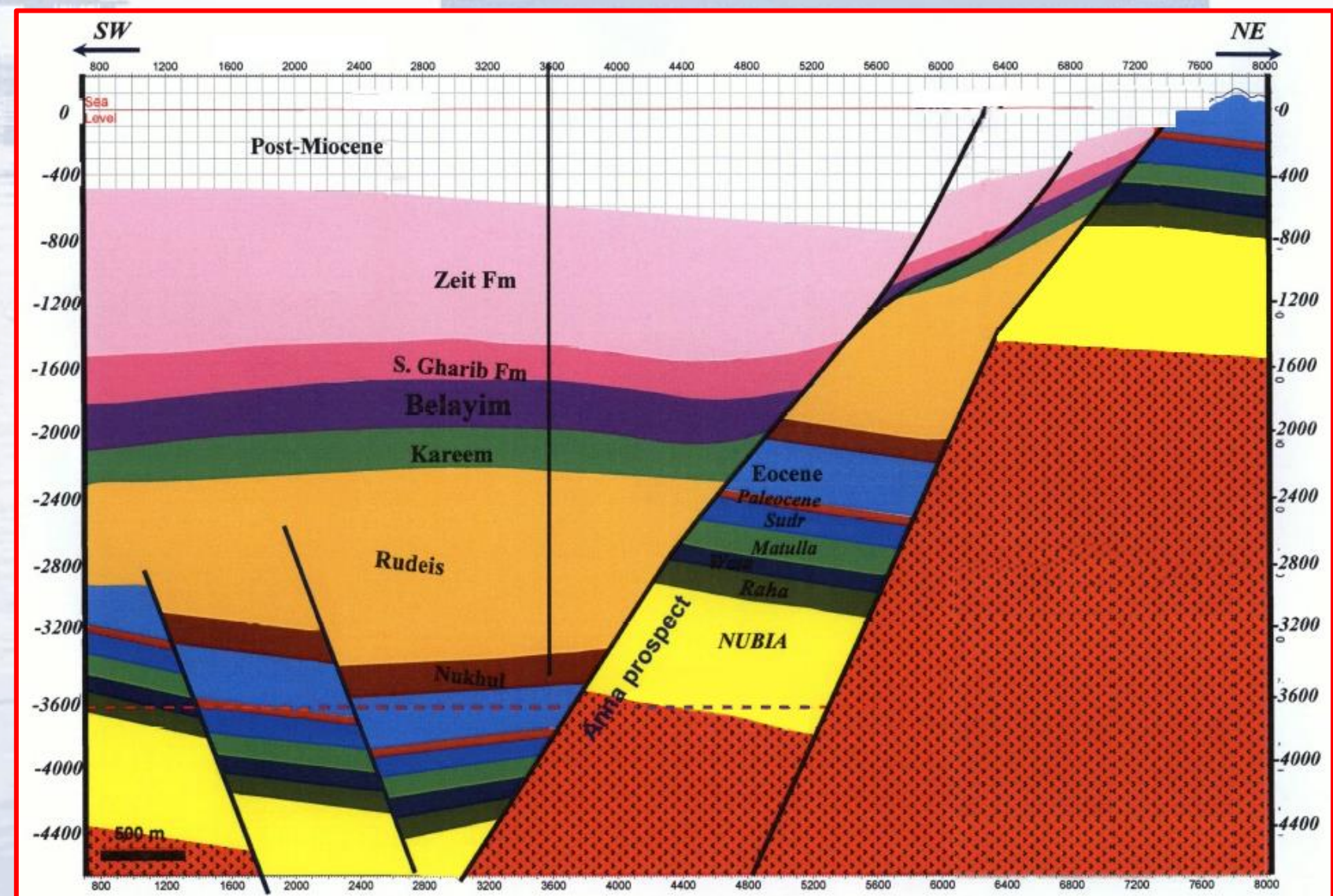
1. South Lagia 2018 BID ROUND BLOCKS



Geologic Model



① Geological Dip Cross-Section NE - SW



② Geological Dip Cross-Section NE - SW

Petroleum System Elements & Hydrocarbon Plays

Basin: The block is located within the central dip province of the Gulf of Suez rift (Both Hammam Faraun sub-basin and the offshore Abu Zenima sub-basin) related to October trough.

Sources:

The rock analysis in nearby areas shows that the source rock here is the Middle Miocene shale beds which are rich in Hydrocarbon materials. In addition to Eocene Thebes Formation.

The Darat Formation is also a possible source rock, as are the globigerina marls and shales of the Rudeis and Kareem Formations.

Oil generation initiated in the Middle Miocene and continues to the present-day.

Reservoirs:

Main reservoir L. Miocene Nukhul Fm, Eocene carbonates and Pre-Miocene Matulla/Nubia Sst reservoirs.

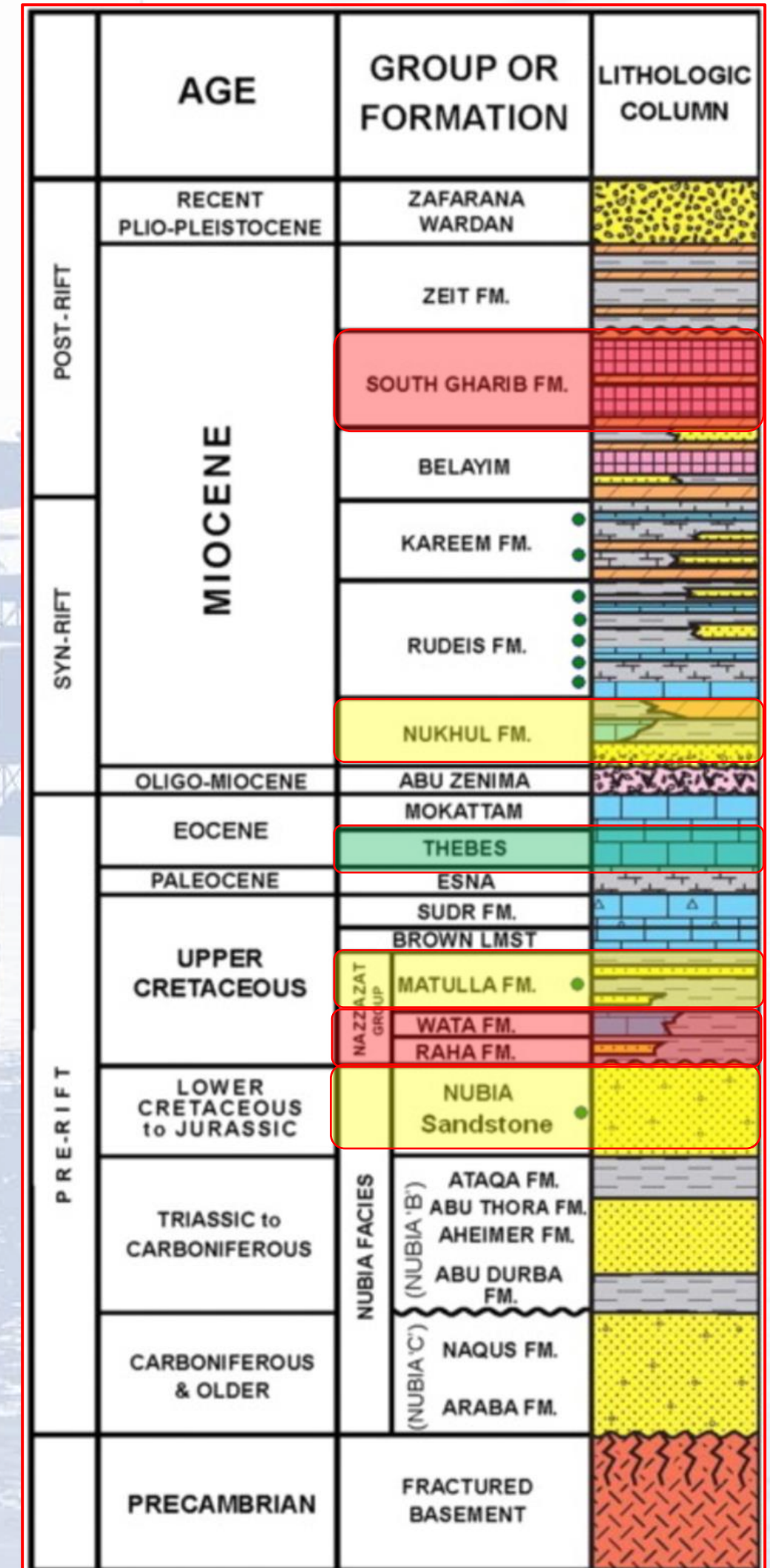
Seal:

Main vertical seal is Anhydrites & Salts of South Gharib Fm in addition to the Carboniferous Um Bogma dolomitic limestone, shale interbeds of the Qiseib Formation, and tight limestones and shales of the Raha, Wata, and Matulla Formations.

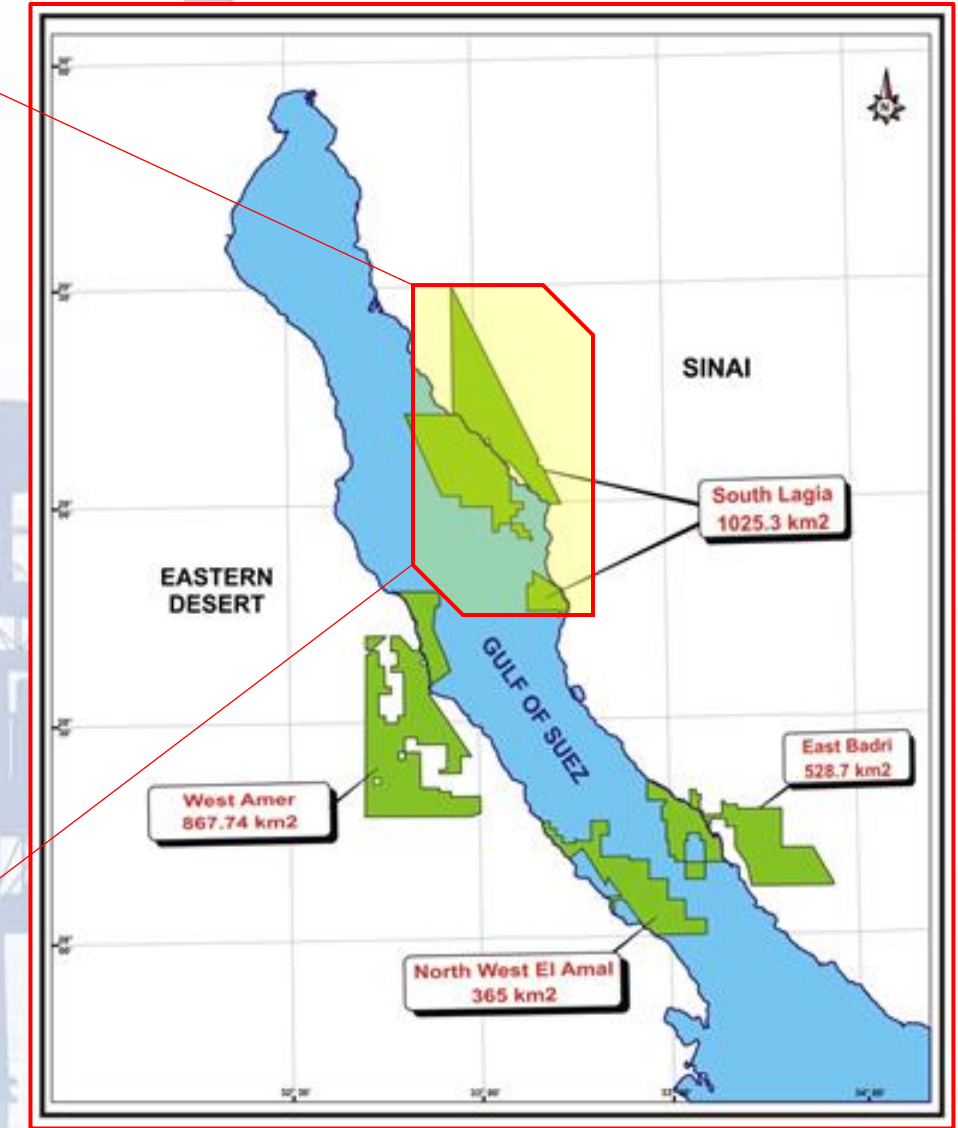
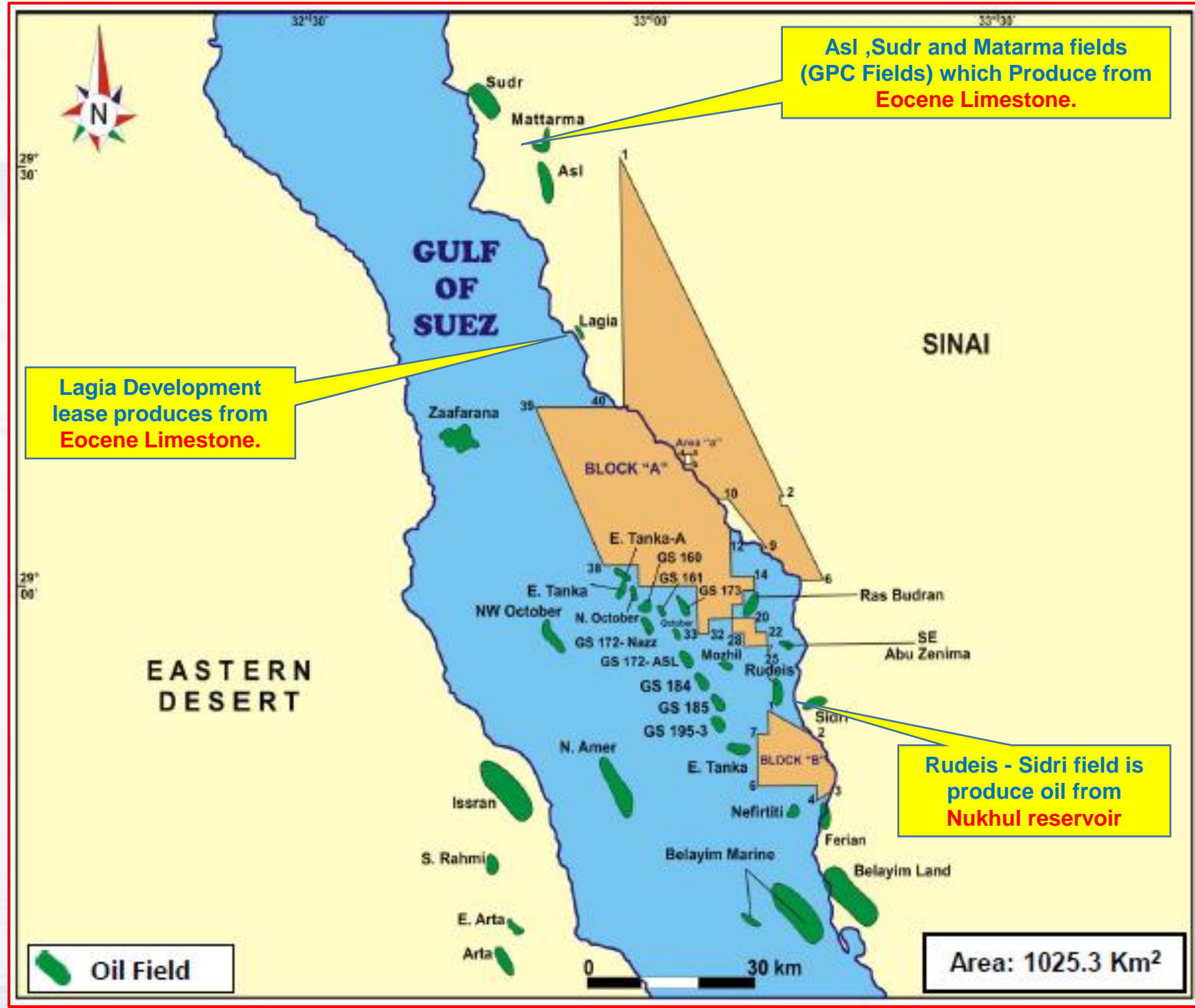
Trap Mechanism:

The Block have mainly structure trap rotated Tilted fault block and horst block.

The Trap is defined by the Tanka cross fault to the South, the Gebel Tanka coastal fault to the Southwest, a syncline in the pre-rift strata in the North, and structural dip to the Northeast as observed from outcrop.



Nearby Fields & Productivity



Nearby Fields:

The area is surrounded by a numbers of oil fields Asl ,Sudr and Matarma fields, North West Abu Zenima, South Abu Zenima & Rudeis - Sidri fields.