

## Block Summary

### Location :

West of North Western Desert about 140 km East to the Libyan border in the West and 200 Km SW of Matruh City.

The Block Consists of two (2) Non-Contiguous Blocks; Area (A) in the East, and Area (B) in the West.

**Total Area: 3013 km<sup>2</sup>**

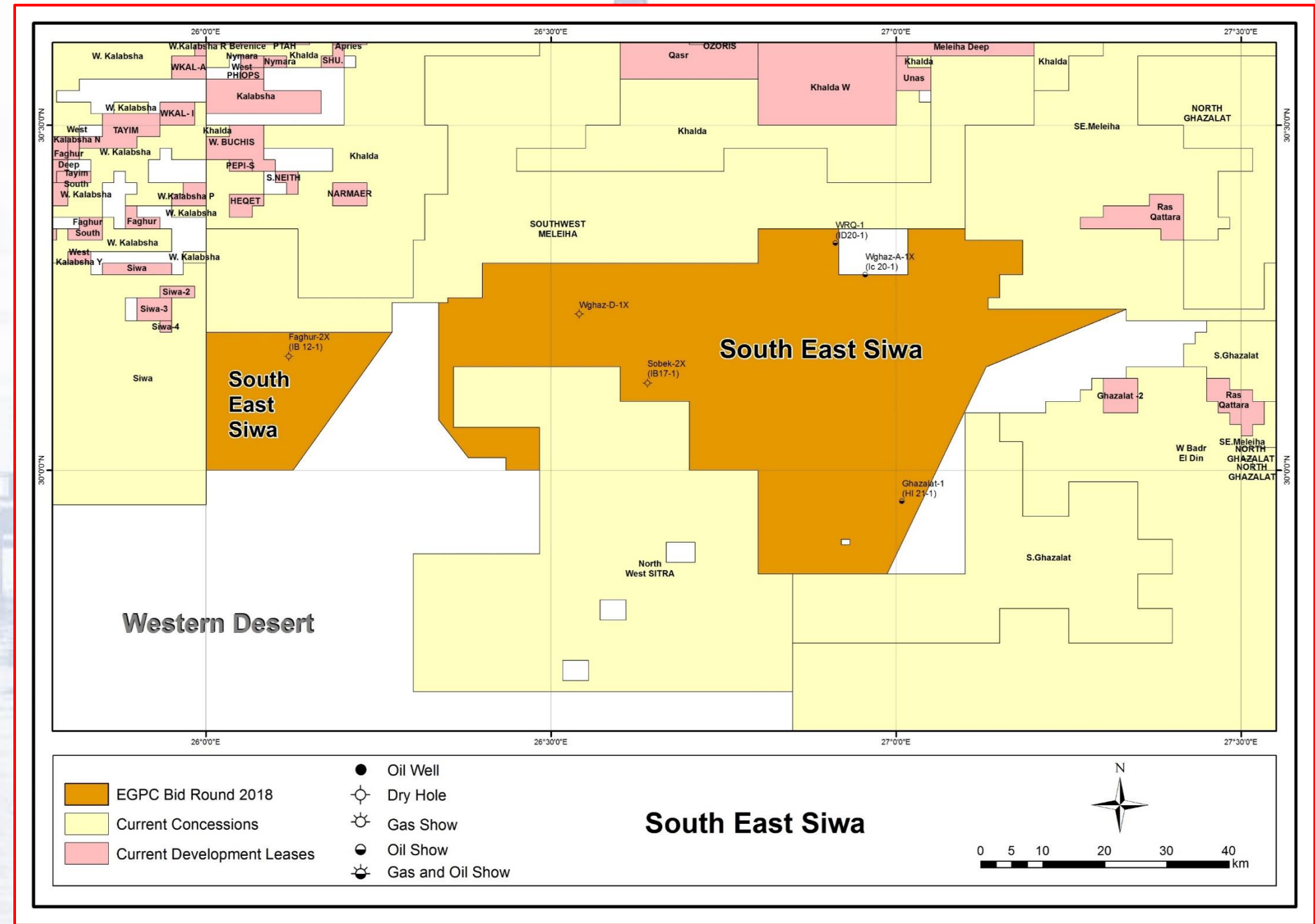
**Previous Concessionaire: Apache, Merlon, Conoco & Sahara**

**2D Seismic Survey: 5771 Km**

**3D Seismic Survey: 804 Km<sup>2</sup>**

**Drilled Wells: 5 Wells**

**Range of wells TD: From 6500 ft. to 15835 ft.**

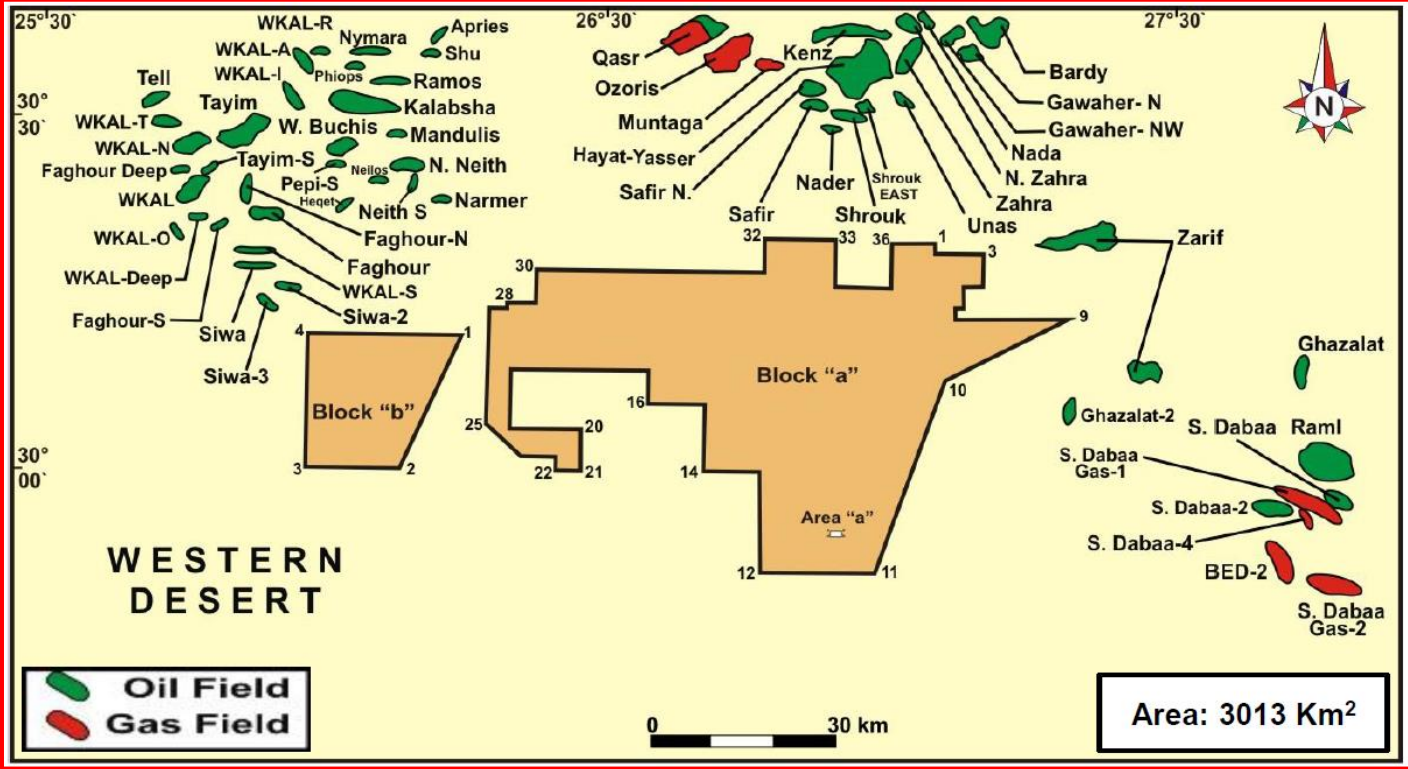




# 11. South East Siwa 2018 BID ROUND BLOCKS



## Block Coordinates



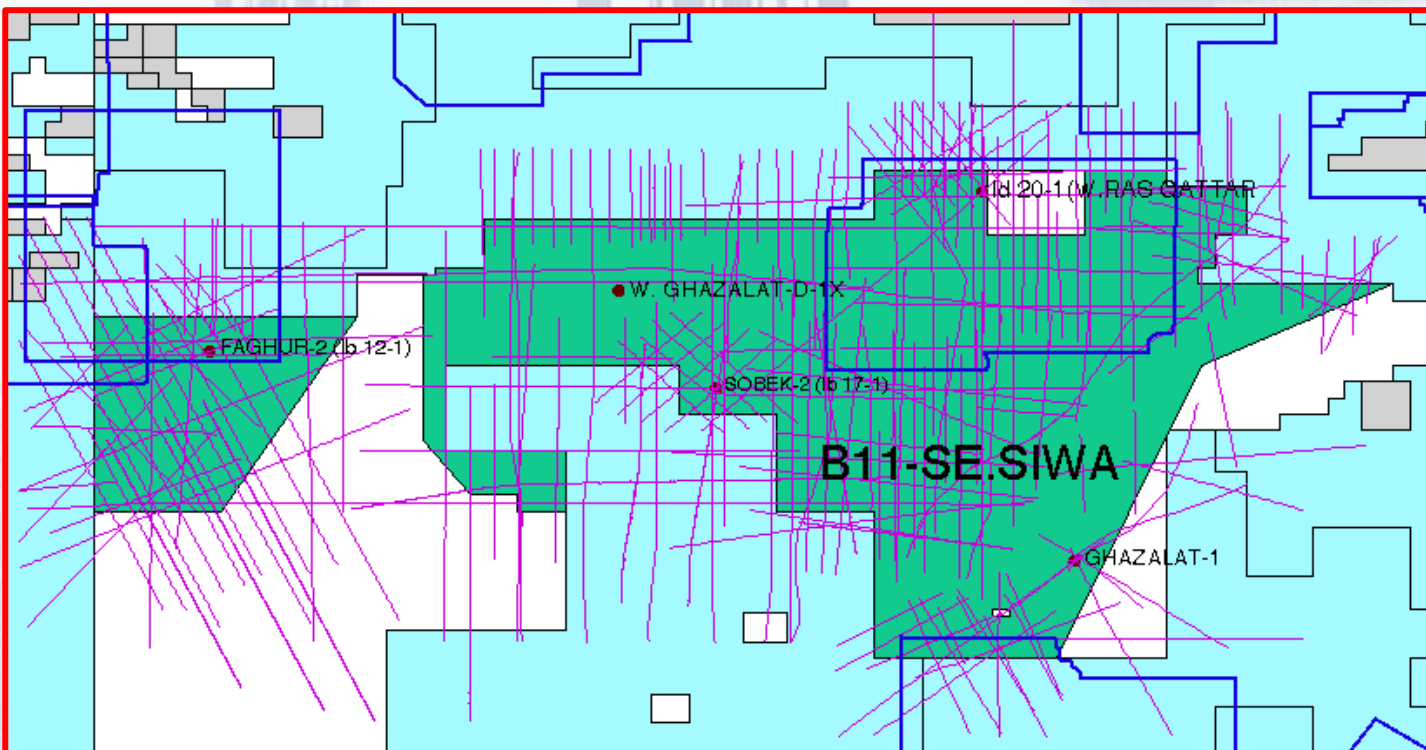
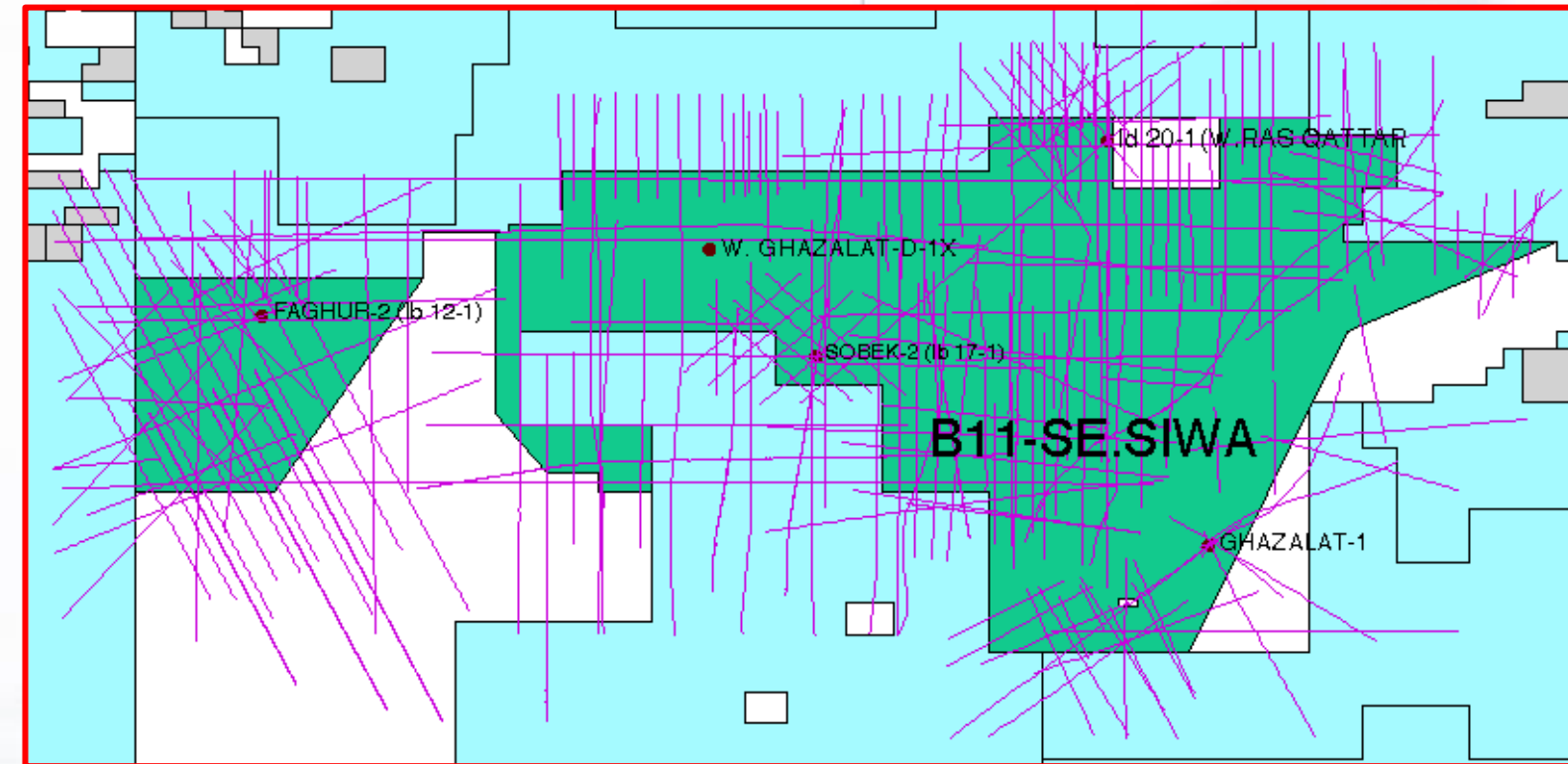
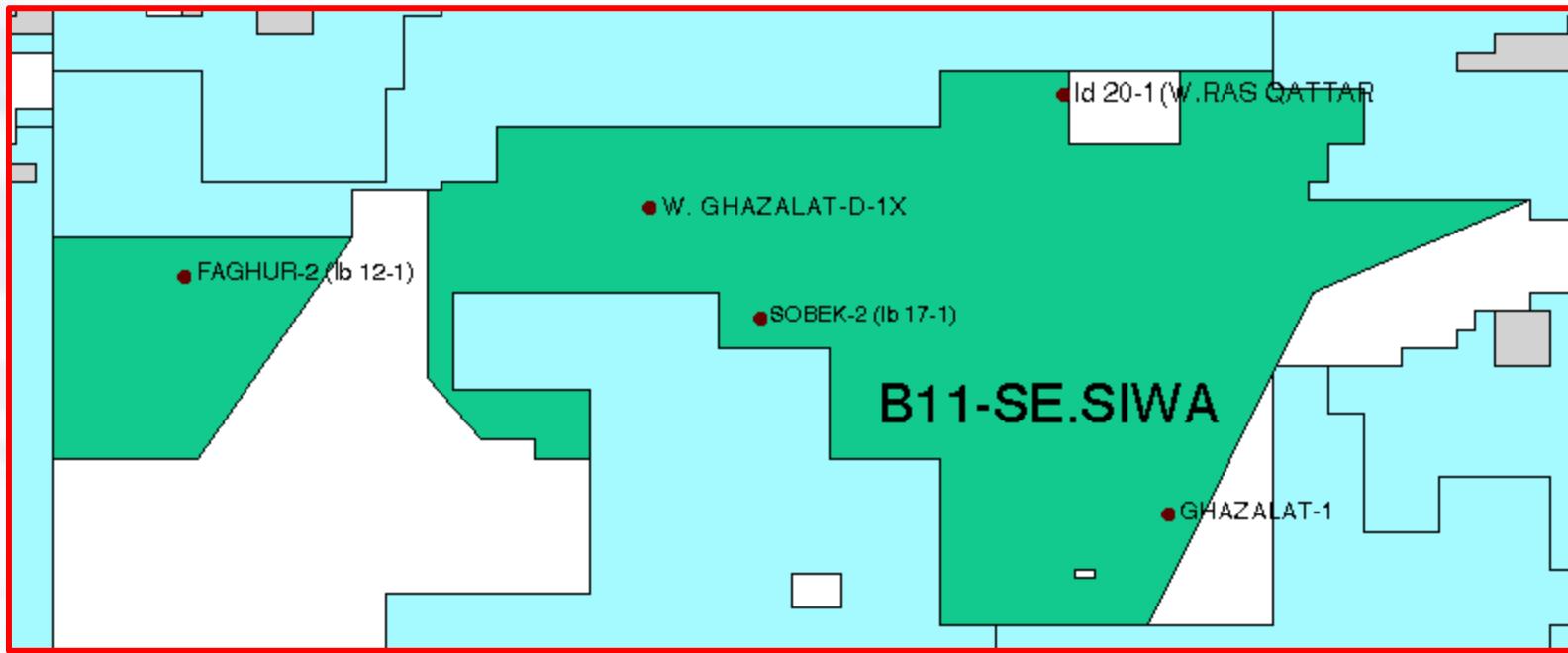
Geographic Coordinate System used: Egypt 1907  
 Angular Unit: Degree  
 Radians per unit: 0.0174532925199433  
 Prime Meridian: Greenwich, Longitude (00° 00' 00.0011)  
 Datum: Egypt 1907  
 Spheroid: Helmert 1906  
 Semi major Axis: 6378200.0  
 Semi minor Axis: 6356818.169627891  
 Inverse Flattening: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

| Block "a"          |                | Coordinates        |                |                       |                | Block "b" |       |
|--------------------|----------------|--------------------|----------------|-----------------------|----------------|-----------|-------|
| LAT.               | LONG.          | LAT.               | LONG.          | LAT.                  | LONG.          | LAT.      | LONG. |
| 1- 30° 21' 00.00"  | 27° 06' 00.00" | 17- 30° 09' 00.00" | 26° 36' 00.00" | 33- 30° 21' 00.00"    | 26° 55' 00.00" |           |       |
| 2- 30° 20' 00.00"  | 27° 06' 00.00" | 18- 30° 09' 00.00" | 26° 21' 30.00" | 34- 30° 17' 00.00"    | 26° 55' 00.00" |           |       |
| 3- 30° 20' 00.00"  | 27° 11' 00.00" | 19- 30° 03' 45.00" | 26° 21' 30.00" | 35- 30° 17' 00.00"    | 27° 01' 00.00" |           |       |
| 4- 30° 17' 00.00"  | 27° 11' 00.00" | 20- 30° 03' 45.00" | 26° 29' 00.00" | 36- 30° 21' 00.00"    | 27° 01' 00.00" |           |       |
| 5- 30° 17' 00.00"  | 27° 09' 00.00" | 21- 30° 00' 00.00" | 26° 29' 00.00" | <b>Block "b"</b>      |                |           |       |
| 6- 30° 15' 00.00"  | 27° 09' 00.00" | 22- 30° 00' 00.00" | 26° 26' 04.00" | 1- 30° 12' 00.00"     | 26° 16' 10.00" |           |       |
| 7- 30° 15' 00.00"  | 27° 08' 00.00" | 23- 30° 01' 05.50" | 26° 26' 04.00" | 2- 30° 00' 00.00"     | 26° 07' 34.00" |           |       |
| 8- 30° 14' 00.00"  | 27° 08' 00.00" | 24- 30° 01' 05.50" | 26° 22' 48.00" | 3- 30° 00' 00.00"     | 26° 00' 00.00" |           |       |
| 9- 30° 14' 00.00"  | 27° 20' 00.00" | 25- 30° 04' 24.58" | 26° 20' 12.00" | 4- 30° 12' 00.00"     | 26° 00' 00.00" |           |       |
| 10- 30° 09' 00.00" | 27° 07' 50.00" | 26- 30° 14' 35.00" | 26° 20' 12.00" | <b>Excluded Areas</b> |                |           |       |
| 11- 29° 51' 00.00" | 26° 59' 12.00" | 27- 30° 14' 35.00" | 26° 21' 00.00" | <b>Area "a"</b>       |                |           |       |
| 12- 29° 51' 00.00" | 26° 48' 00.00" | 28- 30° 15' 00.00" | 26° 21' 00.00" | a- 29° 54' 00.00"     | 26° 55' 58.50" |           |       |
| 13- 30° 00' 00.00" | 26° 48' 00.00" | 29- 30° 15' 00.00" | 26° 24' 00.00" | b- 29° 53' 32.58"     | 26° 55' 58.50" |           |       |
| 14- 30° 00' 00.00" | 26° 42' 00.00" | 30- 30° 18' 00.00" | 26° 24' 00.00" | c- 29° 53' 32.58"     | 26° 55' 13.00" |           |       |
| 15- 30° 06' 00.00" | 26° 42' 00.00" | 31- 30° 18' 00.00" | 26° 48' 00.00" | d- 29° 54' 00.00"     | 26° 55' 13.00" |           |       |
| 16- 30° 06' 00.00" | 26° 36' 00.00" | 32- 30° 21' 00.00" | 26° 48' 00.00" |                       |                |           |       |



**SOUTHEAST SIWA WELLS**

| <b>NO.</b> | <b>WELL NAME /<br/>NEW NAME</b> | <b>COMPANY</b> | <b>SPUD. DATE<br/>COMP. DATE</b> | <b>LAT.<br/>LONG.</b>           | <b>T. D.<br/>FEET</b> | <b>FORMATION<br/>REACHED</b> | <b>FINAL STATUS</b>                |
|------------|---------------------------------|----------------|----------------------------------|---------------------------------|-----------------------|------------------------------|------------------------------------|
| 1          | WGHAZ -D-1X                     | APACHE         | 16/06/2013<br>19/07/2013         | 30° 13' 35.7"<br>26° 32' 26.4"  | 15,250                | PALEOZOIC                    | P & A                              |
| 2          | SOBEK -2X<br>(IB 17-1)          | MERLON         | 17/11/2000<br>27/11/2000         | 30° 07' 35.2"<br>26° 38' 23.7"  | 06,500                | KHARITA                      | P & A                              |
| 3          | FAGHUR -2X<br>(IB 12-1)         | CONOCO         | 13/11/1989<br>28/12/1989         | 30° 09' 54.05"<br>26° 07' 12.0" | 13,300                | PALEOZOIC                    | P & A                              |
| 4          | WRQ -1<br>(ID 20-1)             | CONOCO         | 08/04/1989<br>03/07/1989         | 30° 19' 46.5"<br>26° 54' 44.3"  | 15,835                | KHATATBA                     | P & A<br>Oil shows in<br>Khatatba  |
| 5          | GHAZALAT -1<br>(HI 21-1)        | SAHARA         | 19/09/1957<br>04/01/1958         | 29° 57' 21.0"<br>27° 00' 31.9"  | 10,082                | CAMBANIAN                    | P & A<br>Oil shows in<br>Apollonia |



**2D Seismic Survey: 5771 Km**

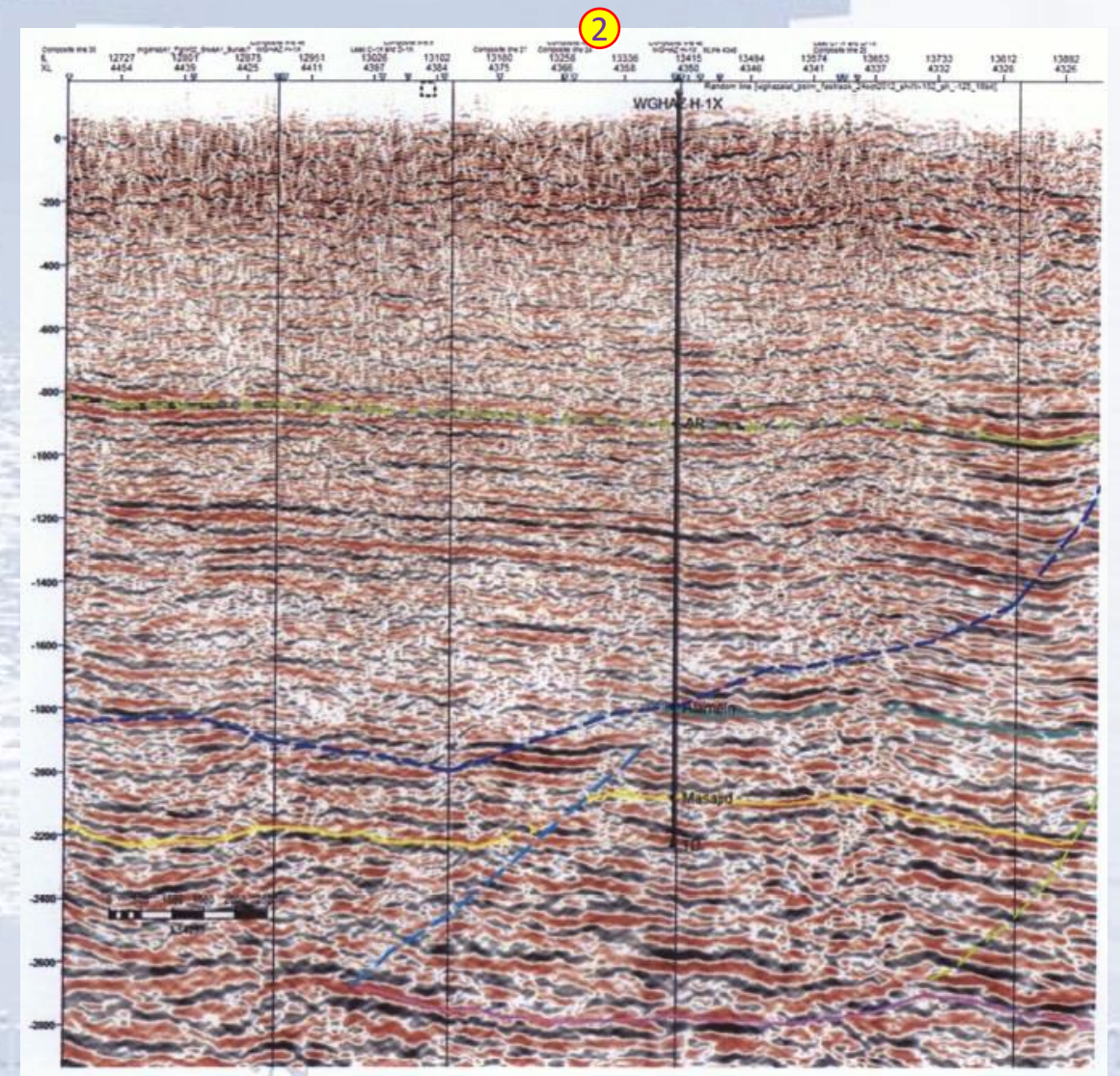
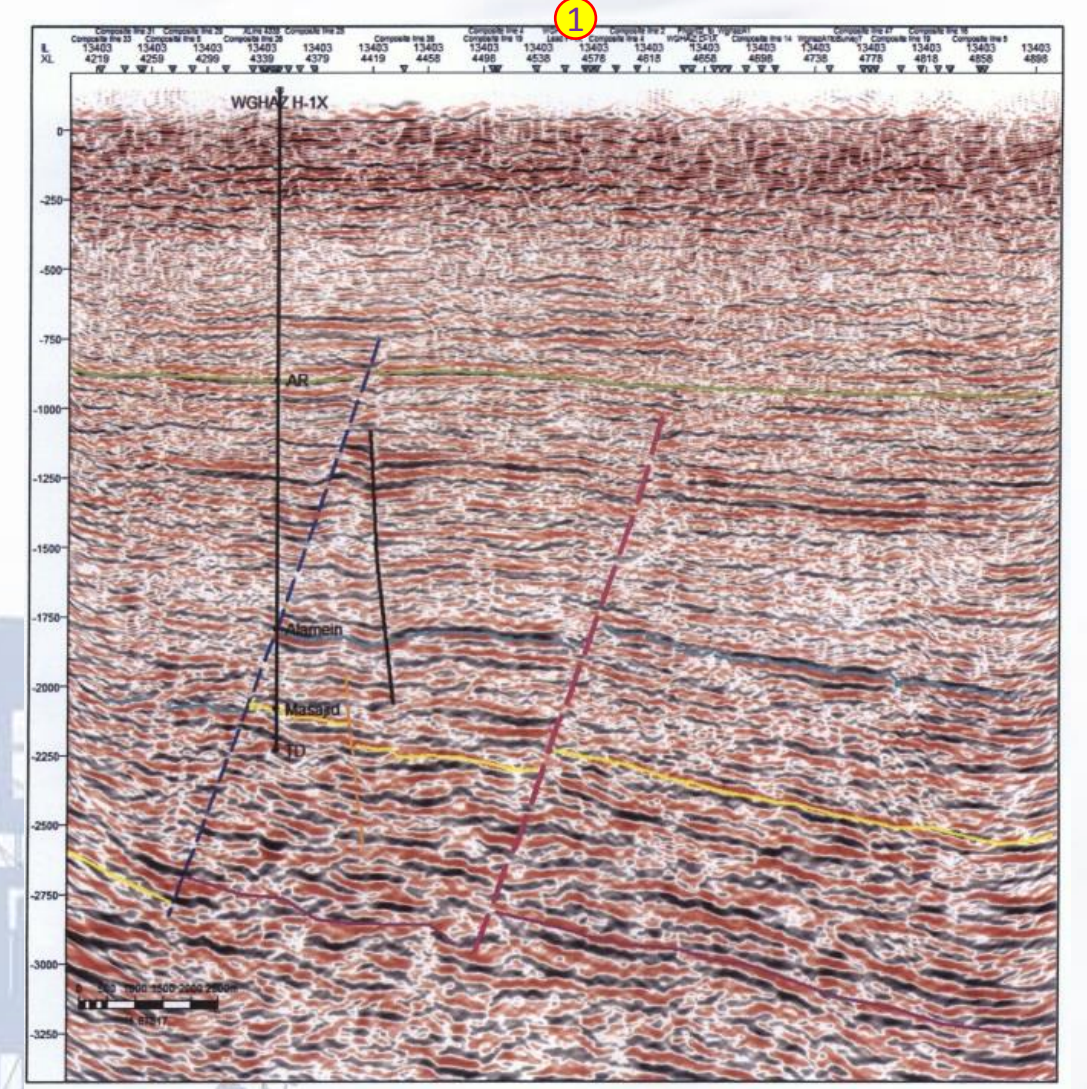
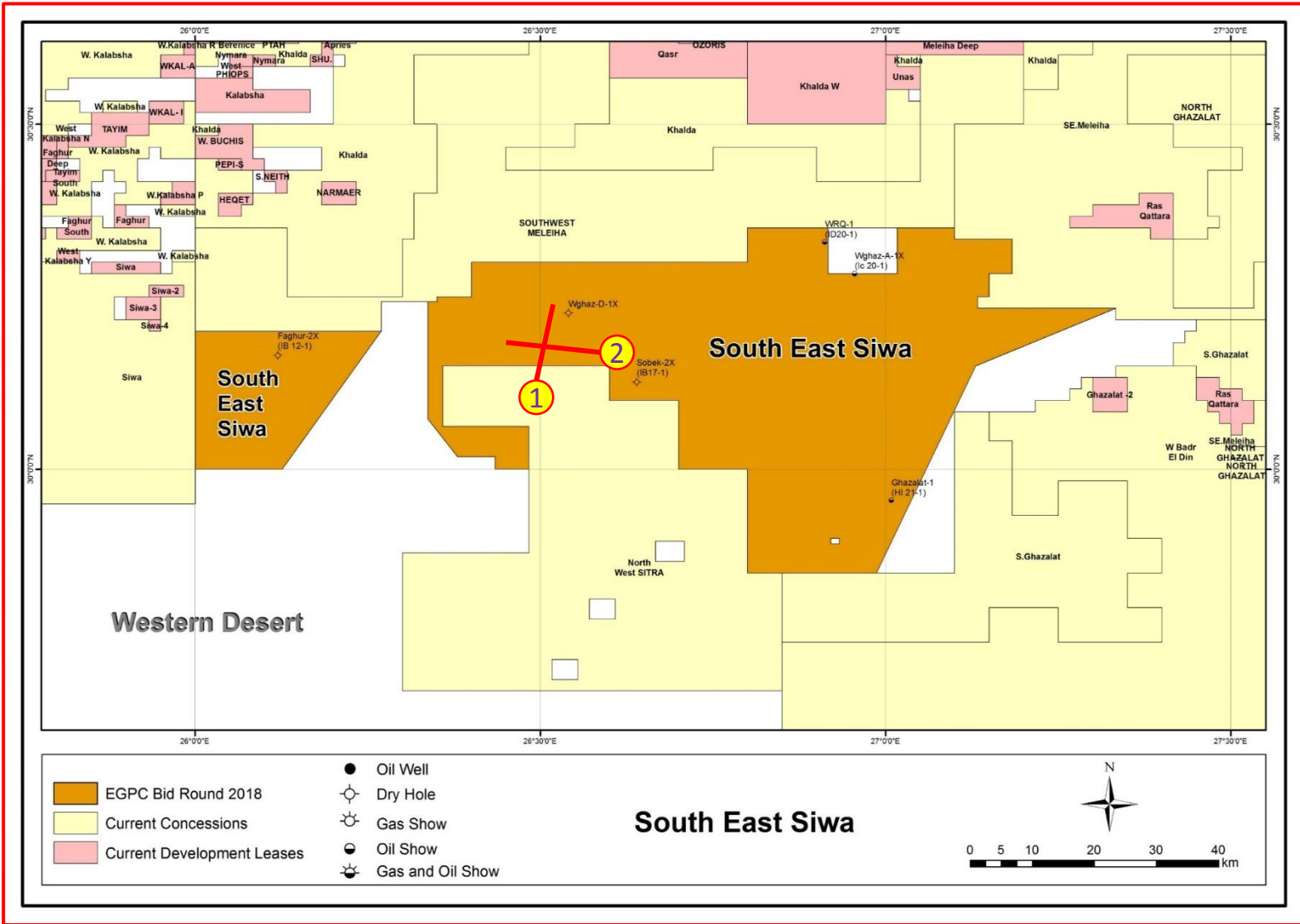
**3D Seismic Survey: 804 Km<sup>2</sup>**

- ✓ Apache W. Ghazalat 2007: 721 Km<sup>2</sup>
- ✓ Apache Siwa Sallum 2007: 48 Km<sup>2</sup>
- ✓ Transgl9be S. Ghazalat: 35 Km<sup>2</sup>



# 11. South East Siwa 2018 BID ROUND BLOCKS

## Seismic Model





## Petroleum System



### Petroleum System Elements & Hydrocarbon Plays

➤ **Basin:** The area is located within Ghazalat Basin and East of Faghur Basin and south of Shushan Basin.

#### ➤ Sources:

Khatatba Shale (Jurassic), A/R "F" Cretaceous and AEB Shale of L. Cretaceous.

#### ➤ Reservoirs:

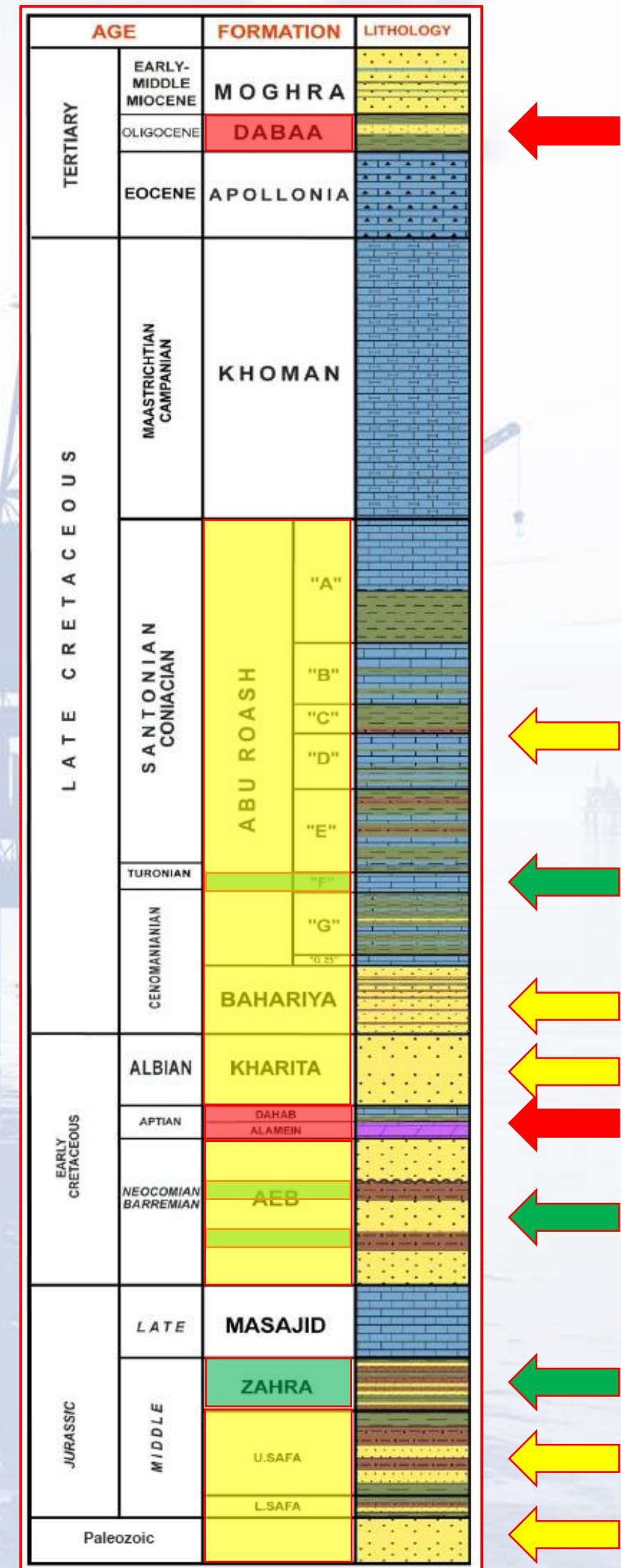
Paleozoic, Jurassic and L. & U. Cretaceous Mainly Sandstone.

#### ➤ Seal:

Main top seal for A/R "G" reservoirs is the A/R "G" shales and AR "F" carbonates and Alamein Dolomite, Dahab shale capped for AEB reservoir.

#### ➤ Trap Mechanism:

Mainly structure Trap and in some surrounding area combination of structural/ stratigraphic trap.

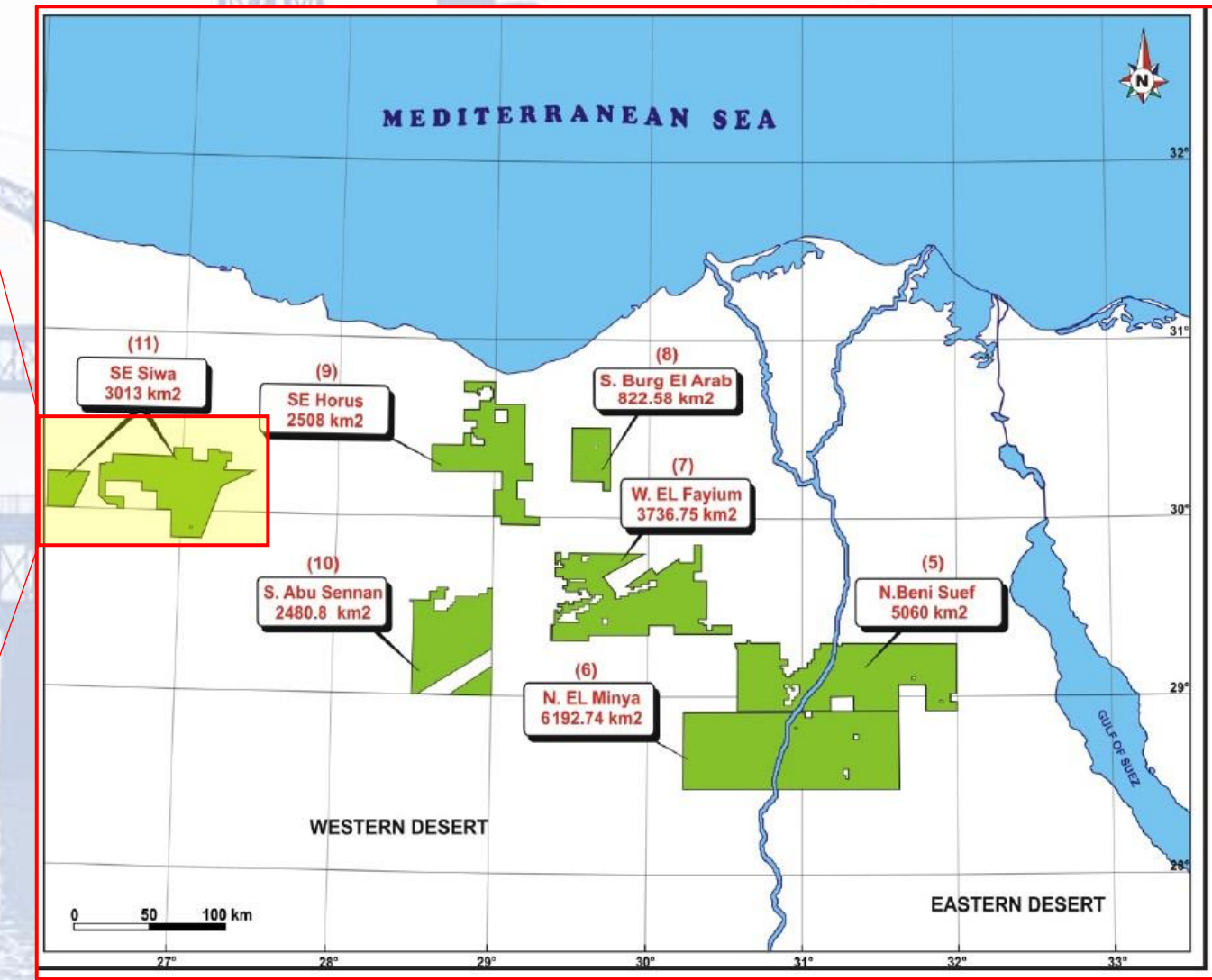
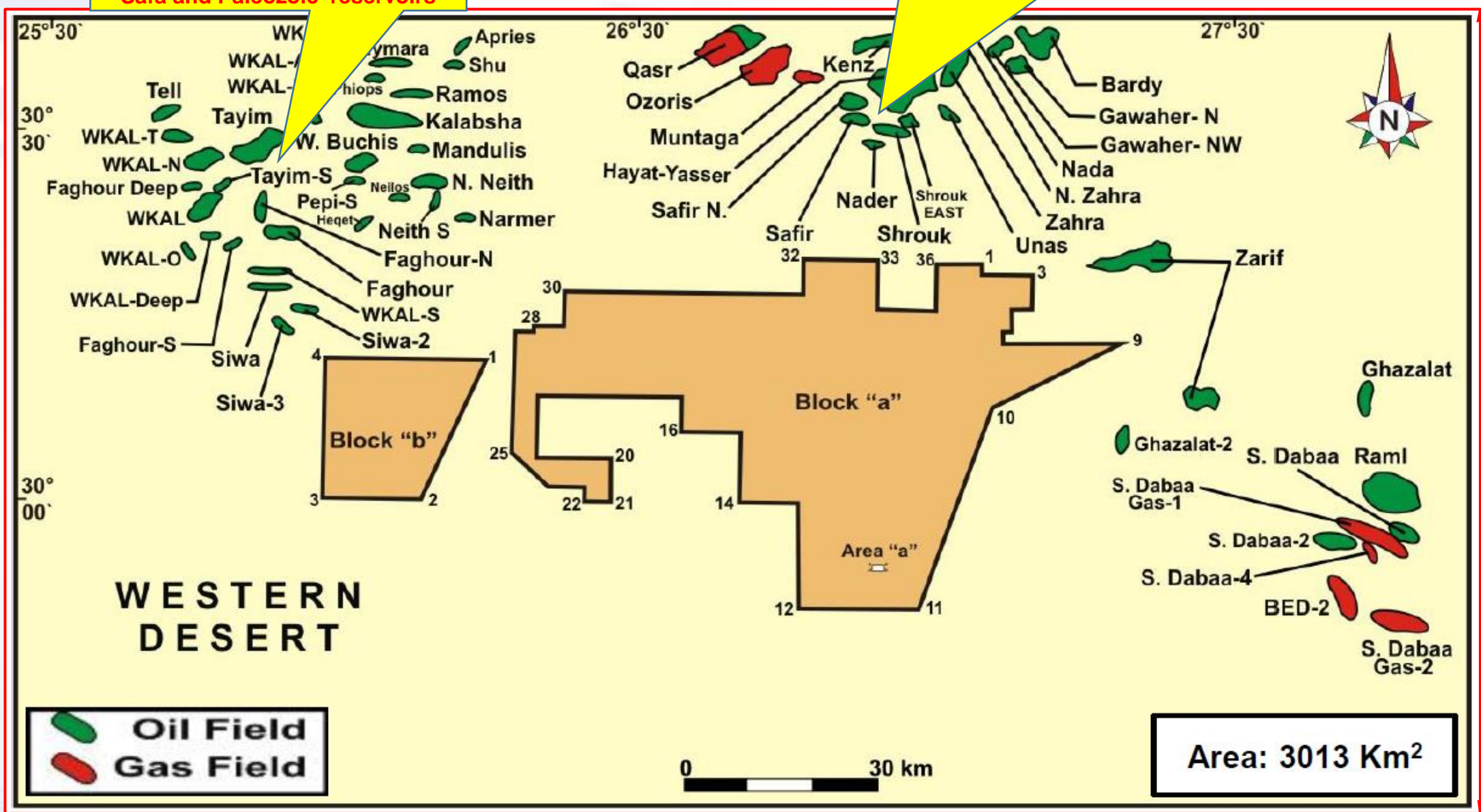




## Nearby Fields & Productivity

Khaldia Co. Tayim, Kalabsha and Siwa fields are producing oil and gas from Safa and Paleozoic reservoirs

Khaldia Co. Muntaga, Qasr and Shrouk fields are produce oil and gas from AEB, Safa and Paleozoic reservoirs



### Nearby Fields:

The block surrounded by a large number of oil and gas fields which is, from the west and north west, we have the oil fields of (Siwa 1,2&3, WKAL S, Faghour N, Pepi, Tayim, Narmer, N. Neith and WKAL Deep), from the North of the block (Qasr, Ozoris, Safir N, Nader, Shrouk) From the East & South East we have (Zarif, Ghazalat S. Dabaa and Raml).