

Location :

Located in the Middle of North Western Desert.

Total Area: 2480.8 km²

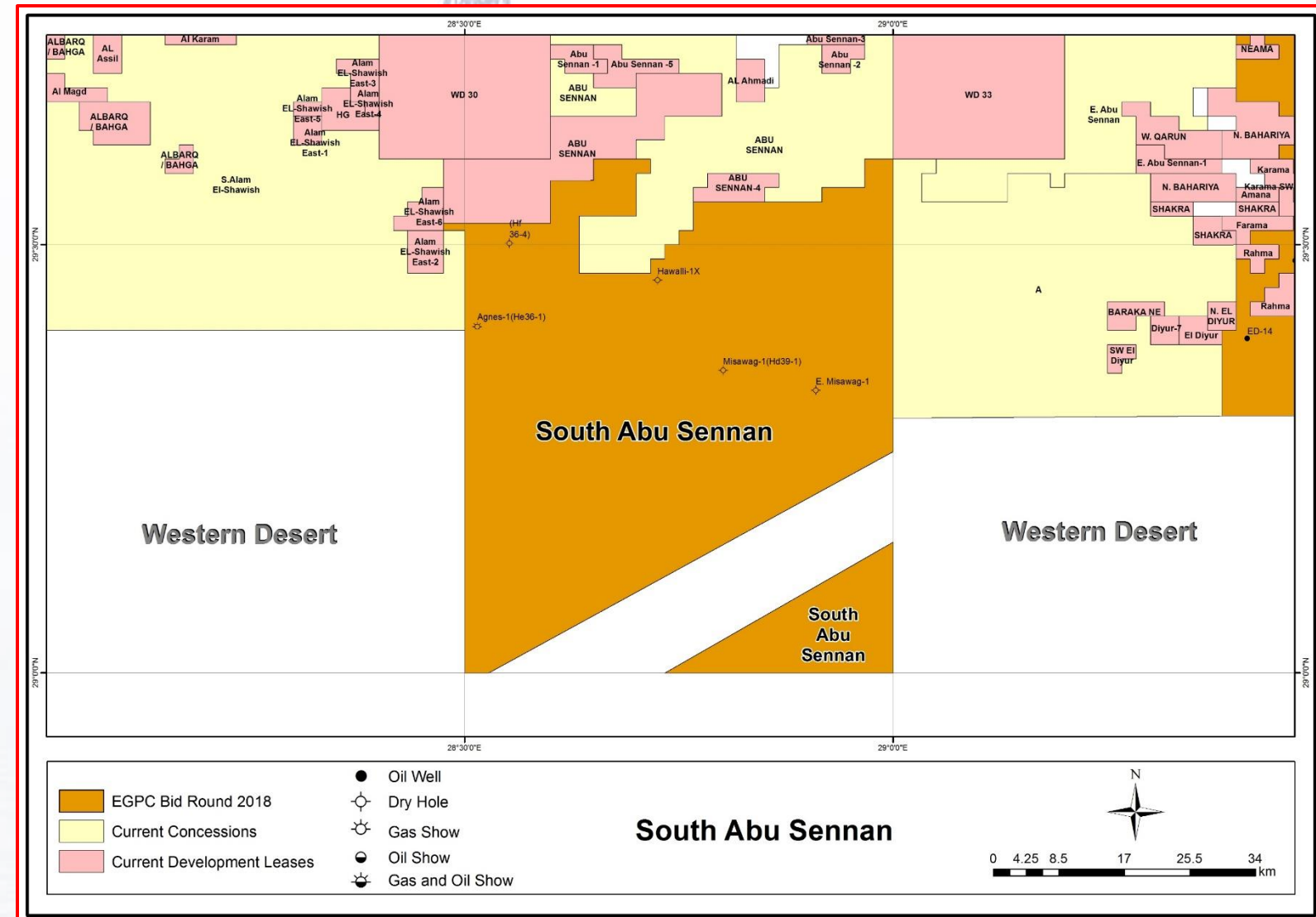
Previous Concessionaire: Kuwait Energy, Apache, GPC, Amoco

2D Seismic Survey: 3449 Km

3D Seismic Survey: 1174 Km²

Drilled Wells: 5 Wells

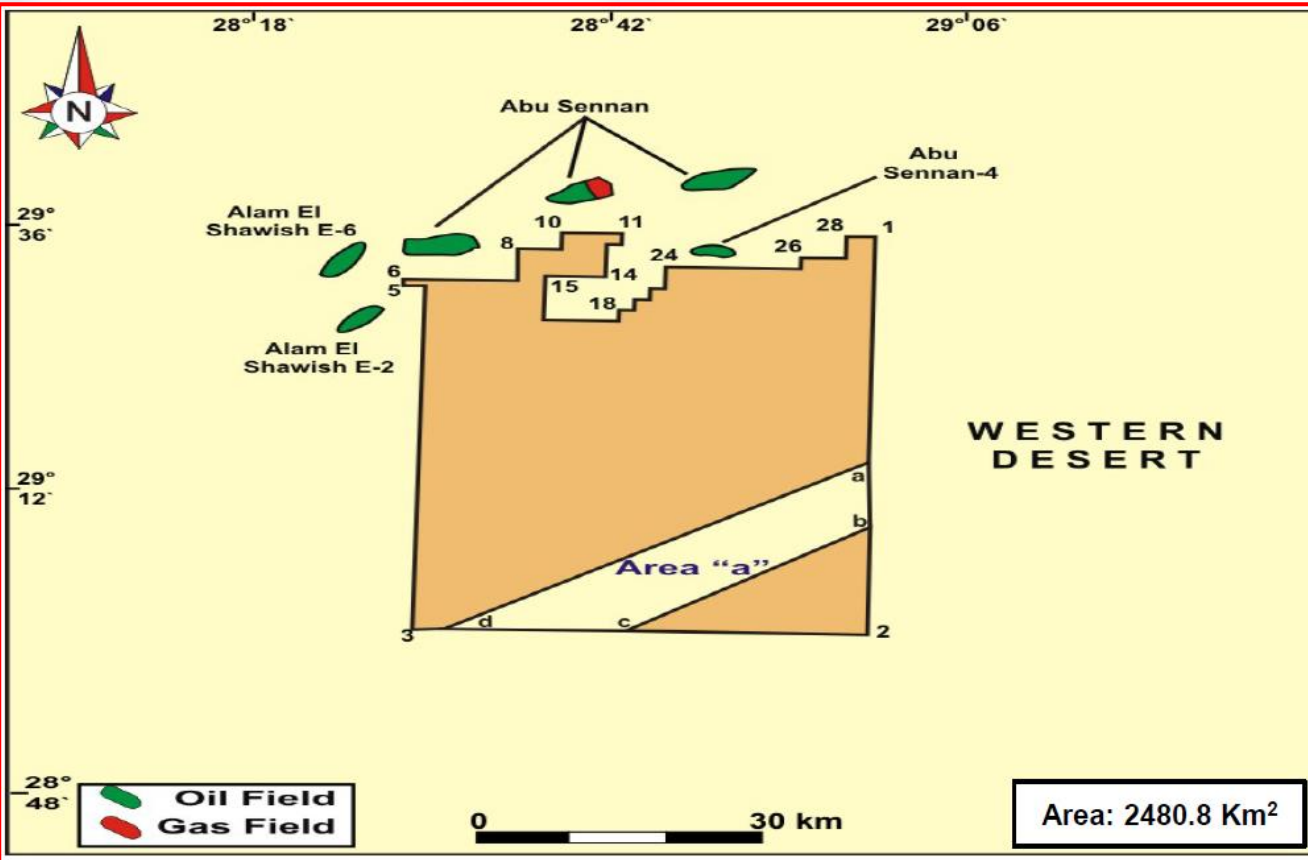
Range of wells TD: From 1034 ft. to 9500 ft.



10. South Abu Sennan 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

Coordinates

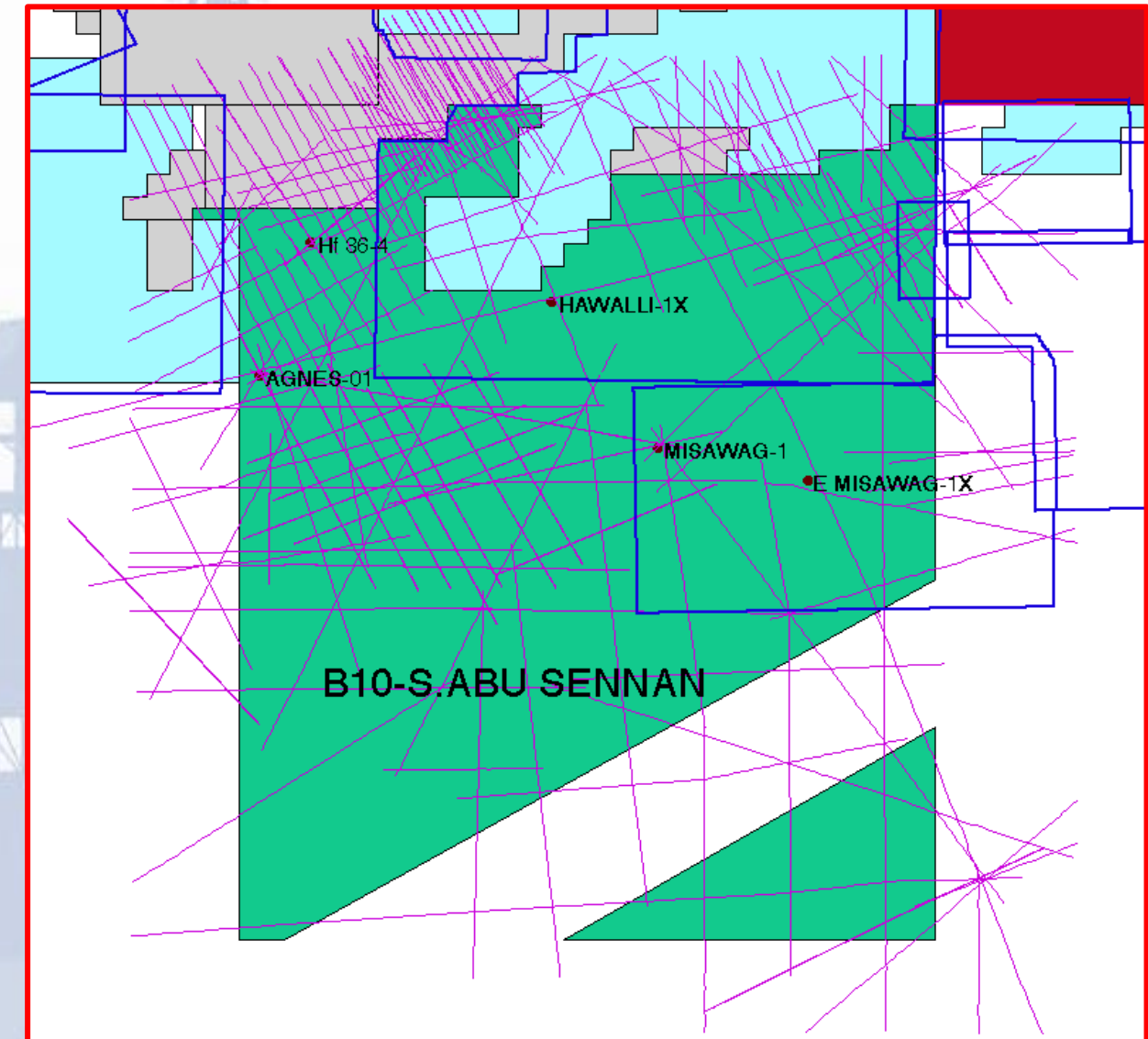
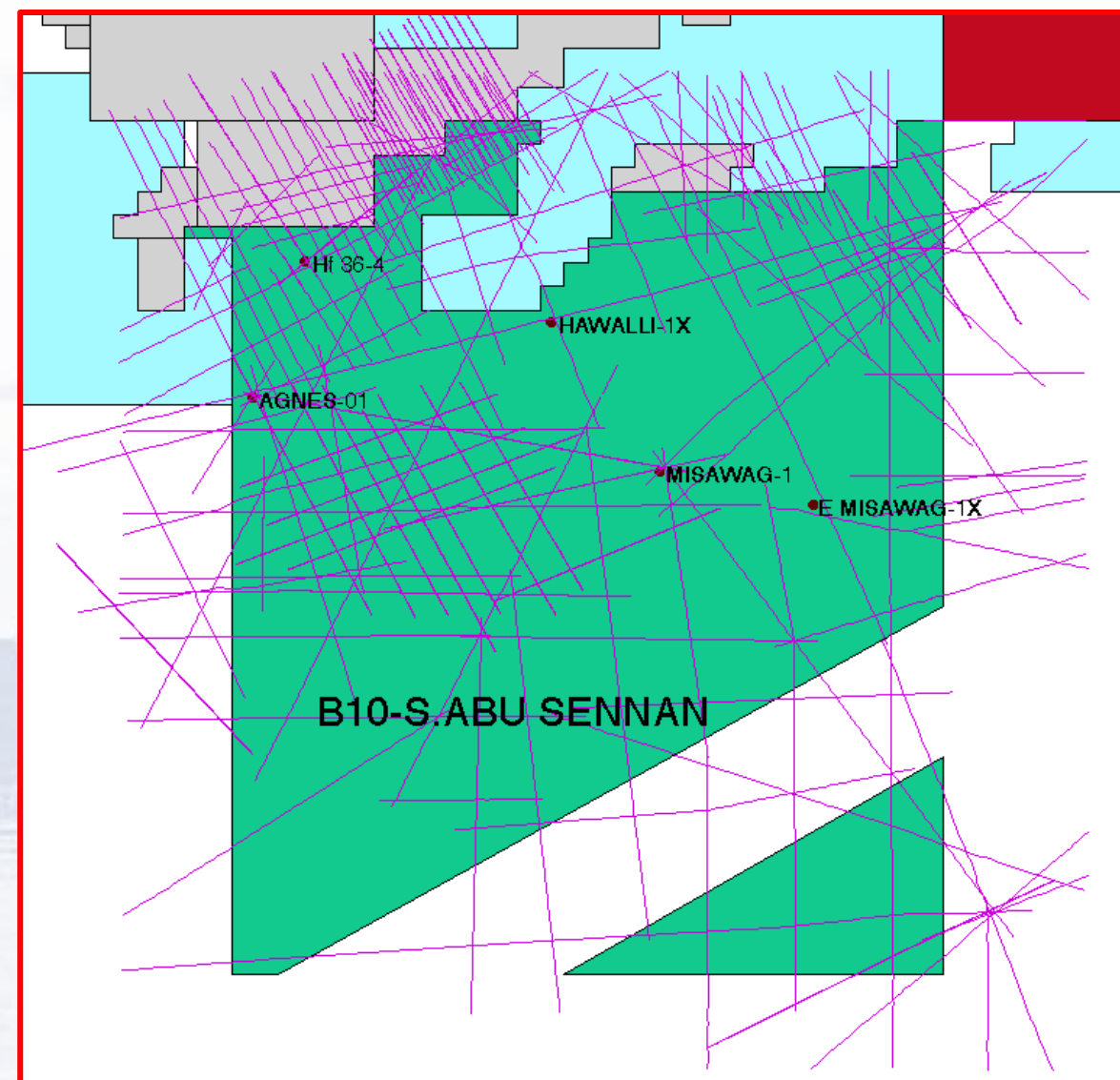
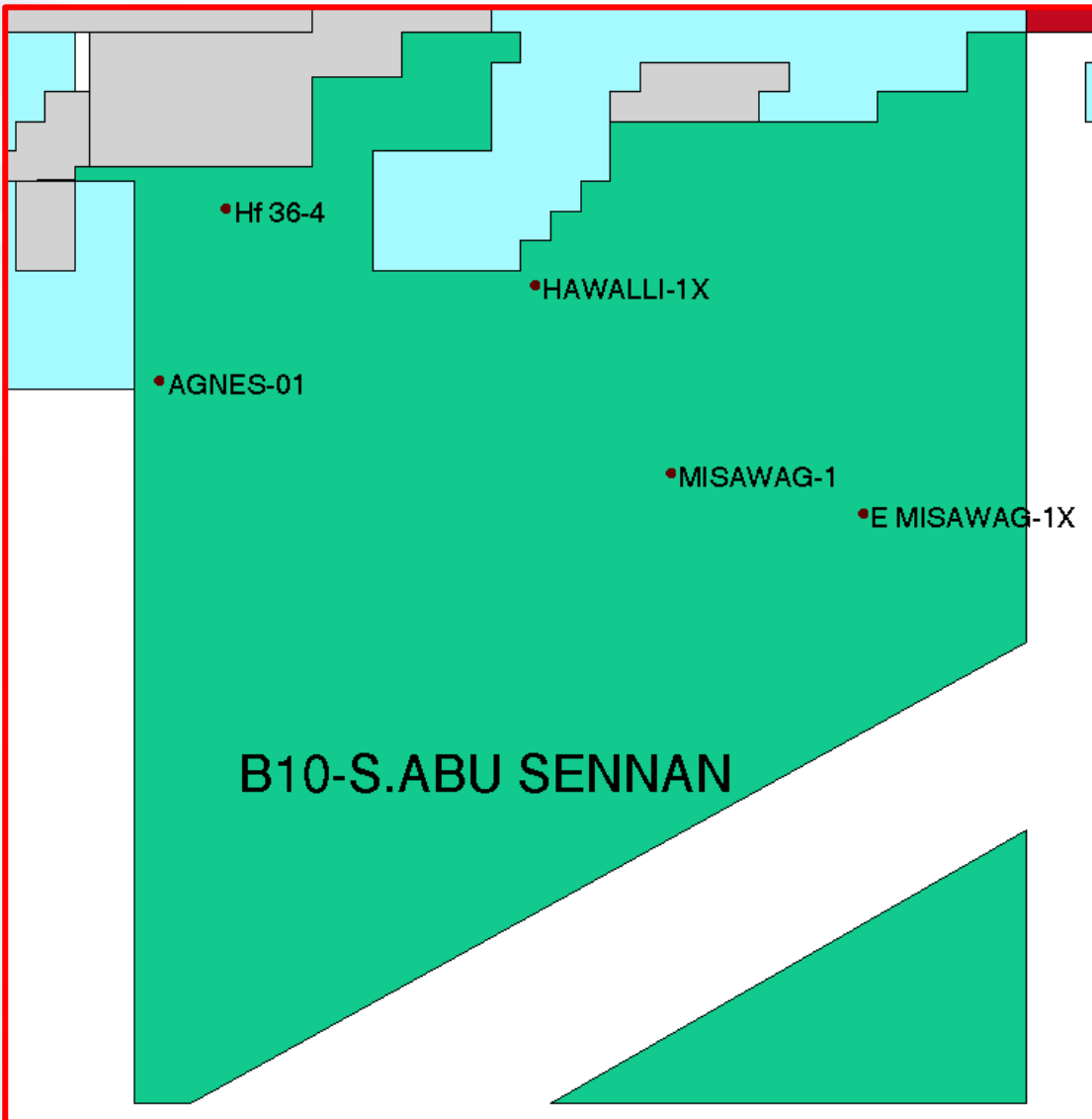
LAT.	LONG.	LAT.	LONG.
1- 29° 36' 00.00"	29° 00' 00.00"	19- 29° 29' 00.00"	28° 44' 00.00"
2- 29° 00' 00.00"	29° 00' 00.00"	20- 29° 30' 00.00"	28° 44' 00.00"
3- 29° 00' 00.00"	28° 30' 00.00"	21- 29° 30' 00.00"	28° 45' 00.00"
4- 29° 31' 00.00"	28° 30' 00.00"	22- 29° 31' 00.00"	28° 45' 00.00"
5- 29° 31' 00.00"	28° 28' 30.00"	23- 29° 31' 00.00"	28° 46' 00.00"
6- 29° 31' 30.00"	28° 28' 30.00"	24- 29° 33' 00.00"	28° 46' 00.00"
7- 29° 31' 30.00"	28° 36' 00.00"	25- 29° 33' 00.00"	28° 55' 00.00"
8- 29° 34' 30.00"	28° 36' 00.00"	26- 29° 34' 00.00"	28° 55' 00.00"
9- 29° 34' 30.00"	28° 39' 00.00"	27- 29° 34' 00.00"	28° 58' 00.00"
10- 29° 36' 00.00"	28° 39' 00.00"	28- 29° 36' 00.00"	28° 58' 00.00"
11- 29° 36' 00.00"	28° 43' 00.00"		
12- 29° 35' 00.00"	28° 43' 00.00"		
13- 29° 35' 00.00"	28° 42' 00.00"		
14- 29° 32' 00.00"	28° 42' 00.00"		
15- 29° 32' 00.00"	28° 38' 00.00"		
16- 29° 28' 00.00"	28° 38' 00.00"		
17- 29° 28' 00.00"	28° 43' 00.00"		
18- 29° 29' 00.00"	28° 43' 00.00"		

Excluded Area Area "a"		
LAT.	LONG.	
a- 29° 15' 30.00"	29° 00' 00.00"	
b- 29° 09' 10.00"	29° 00' 00.00"	
c- 29° 00' 00.00"	28° 44' 00.00"	
d- 29° 00' 00.00"	28° 31' 40.00"	



SOUTH ABU SENNAN WELLS

NO.	WELL NAME / NEW NAME	COMPANY	SPUD. DATE COMP. DATE	LAT. LONG.	T. D. FEET	FORMATION REACHED	FINAL STATUS
1	HAWALLI -1X (He 38-1X)	KUWAIT ENERGY	06/02/2012 04/03/2012	29° 27' 31.4" 28° 43' 30.4"	06,933	KHARITA	P & A (Oil shows in Abu Roash & Bahariya)
2	E. MISAWAG -1	APACHE	26/02/2007 -----	29° 19' 48.1" 28° 54' 35.0"	10,345	BASEMENT	P & A
3	(Hf 36-4)	GPC	11/05/1992 28/06/1992	29° 30' 05.5" 28° 33' 09.5"	06,909	BAHARIYA	P & A
4	MISAWAG -1 (Hd 39-1)	AMOCO	02/05/1970 30/05/1970	29° 21' 12.0" 28° 48' 06.0"	08,889	JURASSIC	P & A
5	AGNES -1 (He 36-1)	AMOCO	30/03/1970 03/05/1970	29° 24' 19.0" 28° 30' 54.0 "	09,500	JURASSIC	P & A GAS SHOWS

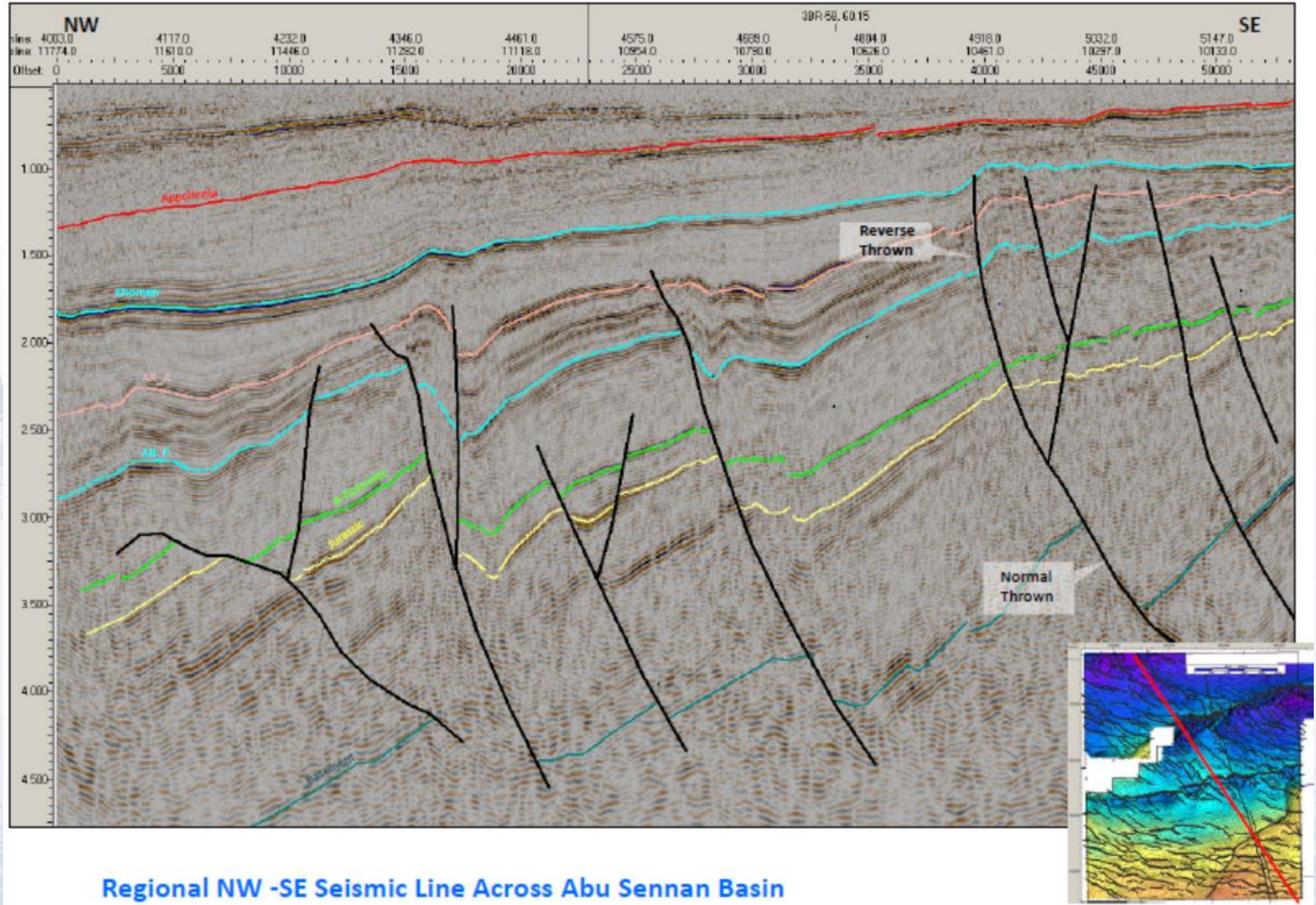


2D Seismic Survey: 3449 Km

3D Seismic Survey: 1174 Km²

- ✓ Apache Diyur_ 2006: 427 Km²
- ✓ Dover Abu Sennan 2007: 747 Km²

Seismic Model



Petroleum System

Petroleum System Elements & Hydrocarbon Plays

➤ **Basin:** The area is located in the Southern flank of Abu Gharadig Basin.

➤ **Sources:**

The rock analysis in nearby areas shows that the source rock here are Khatatba Shale (Jurassic), A/R "F" Cretaceous and AEB Shale of L. Cretaceous.

➤ **Reservoirs:**

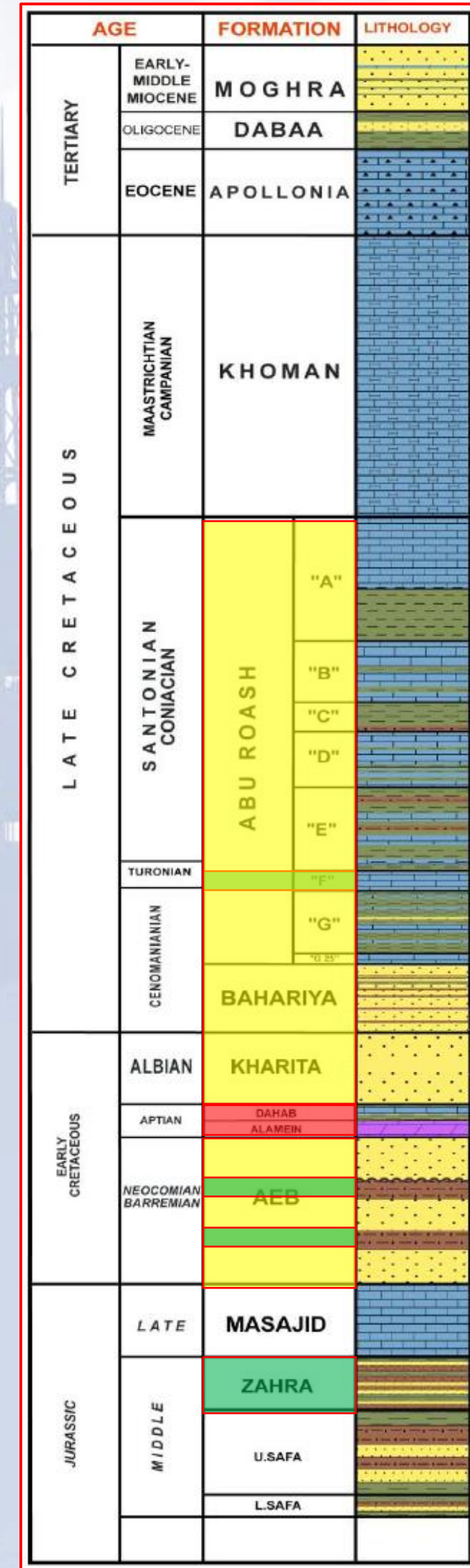
The U. Cretaceous age (A/R Mbrs., Bahariya and Kharita) and L. Cretaceous (AEB Fm.).

➤ **Seal:**

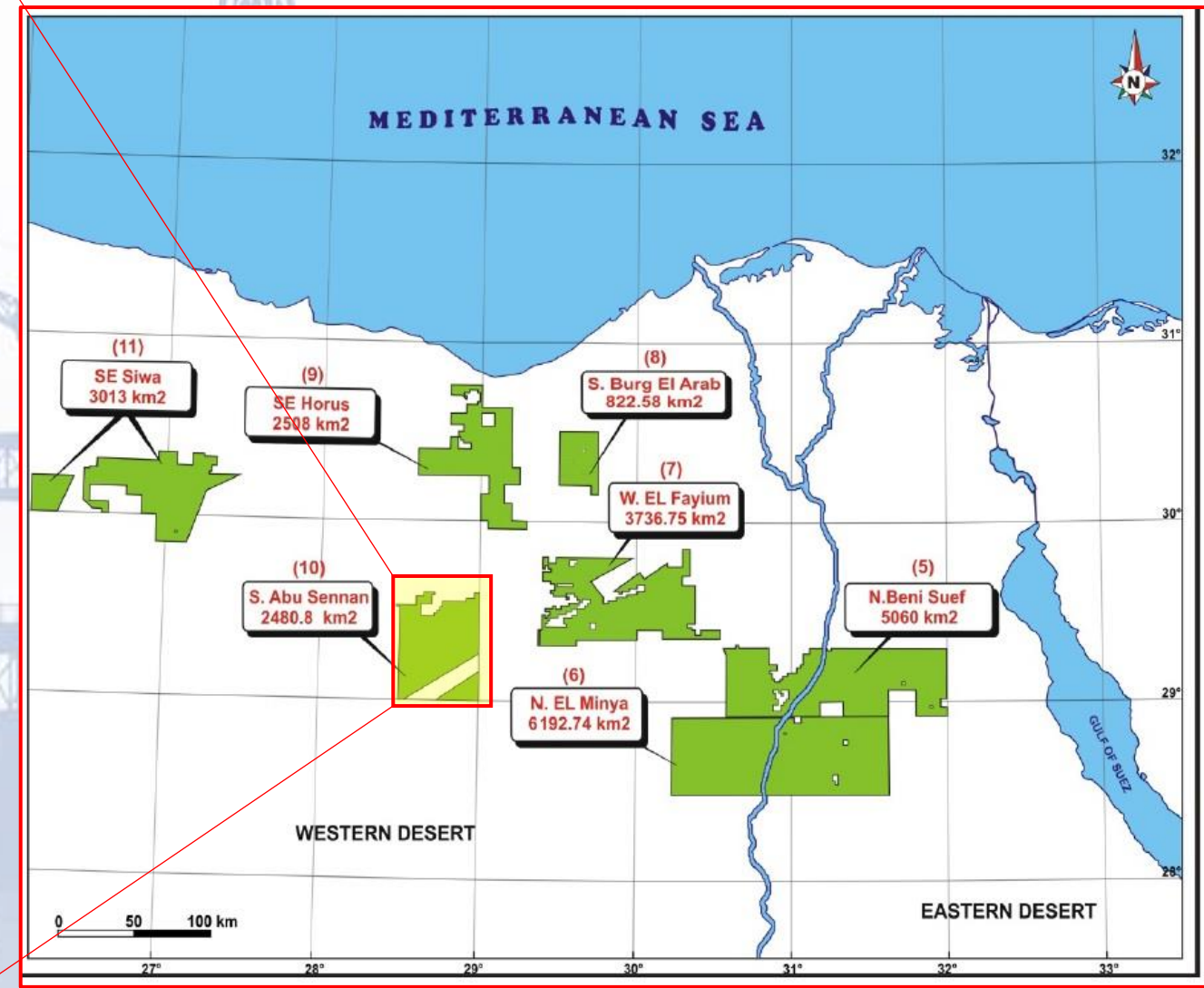
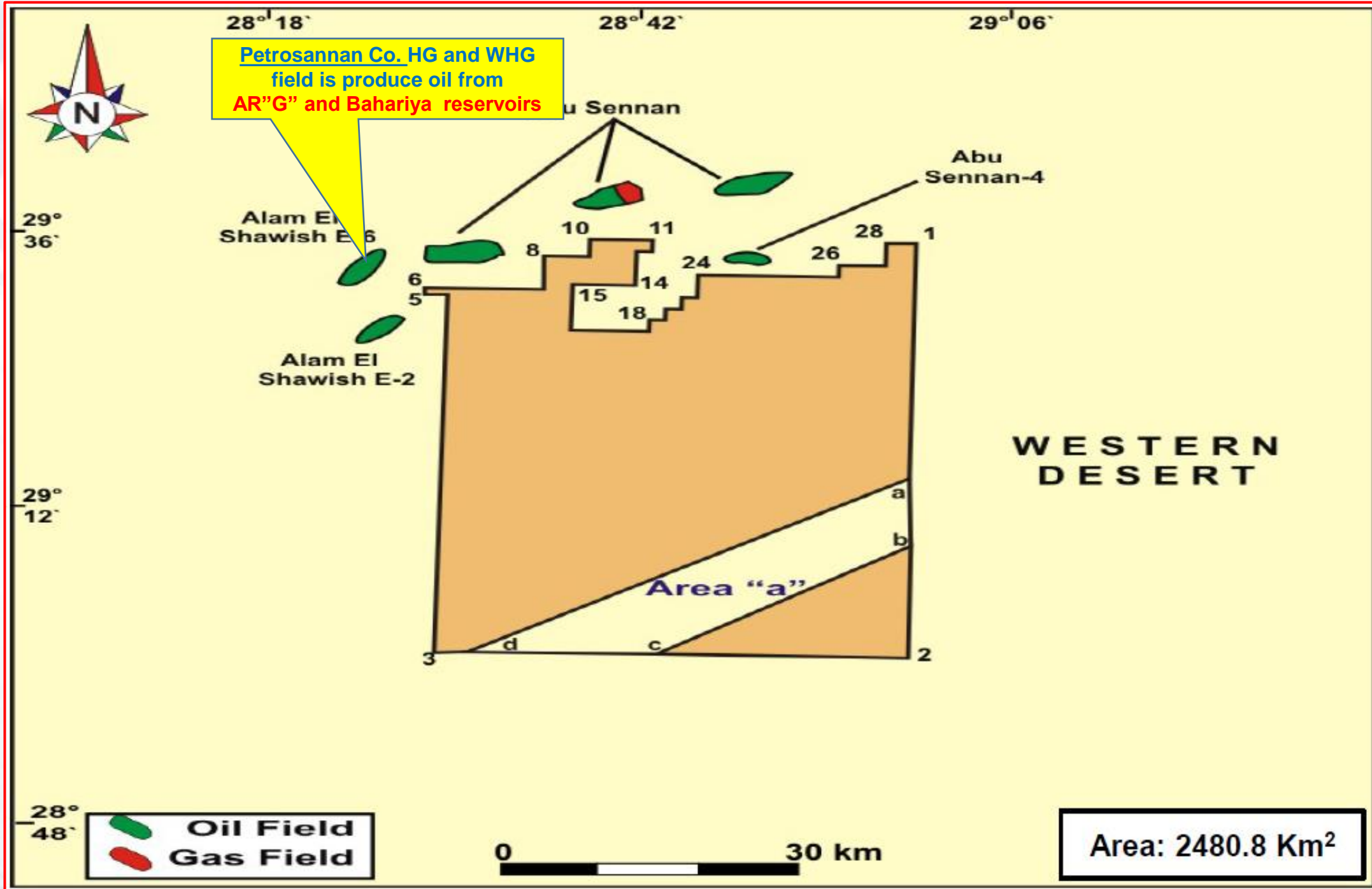
Main top seal for A/R "G" reservoirs is the A/R "G" shales and A/R "F" carbonates and Alamein Dolomite, Dahab shale capped for AEB reservoir.

➤ **Trap Mechanism:**

Mainly structure Trap 3 way/ 4 way dip closures.



Nearby Fields & Productivity



Nearby Fields:

The Block is surrounded by Several oil fields, to the north (GPT, GPY & SWS oil fields) operated by GPC and to the west (Alam El Shawish East oil fields) operated by Petrosannan company.