

8. South Burg El Arab 2018 BID ROUND BLOCKS

Block Summary

Location :

The block is Located in the Northern part of North Western Desert about 70 km south East of Alamein City.

Total Area: 822.58 km²

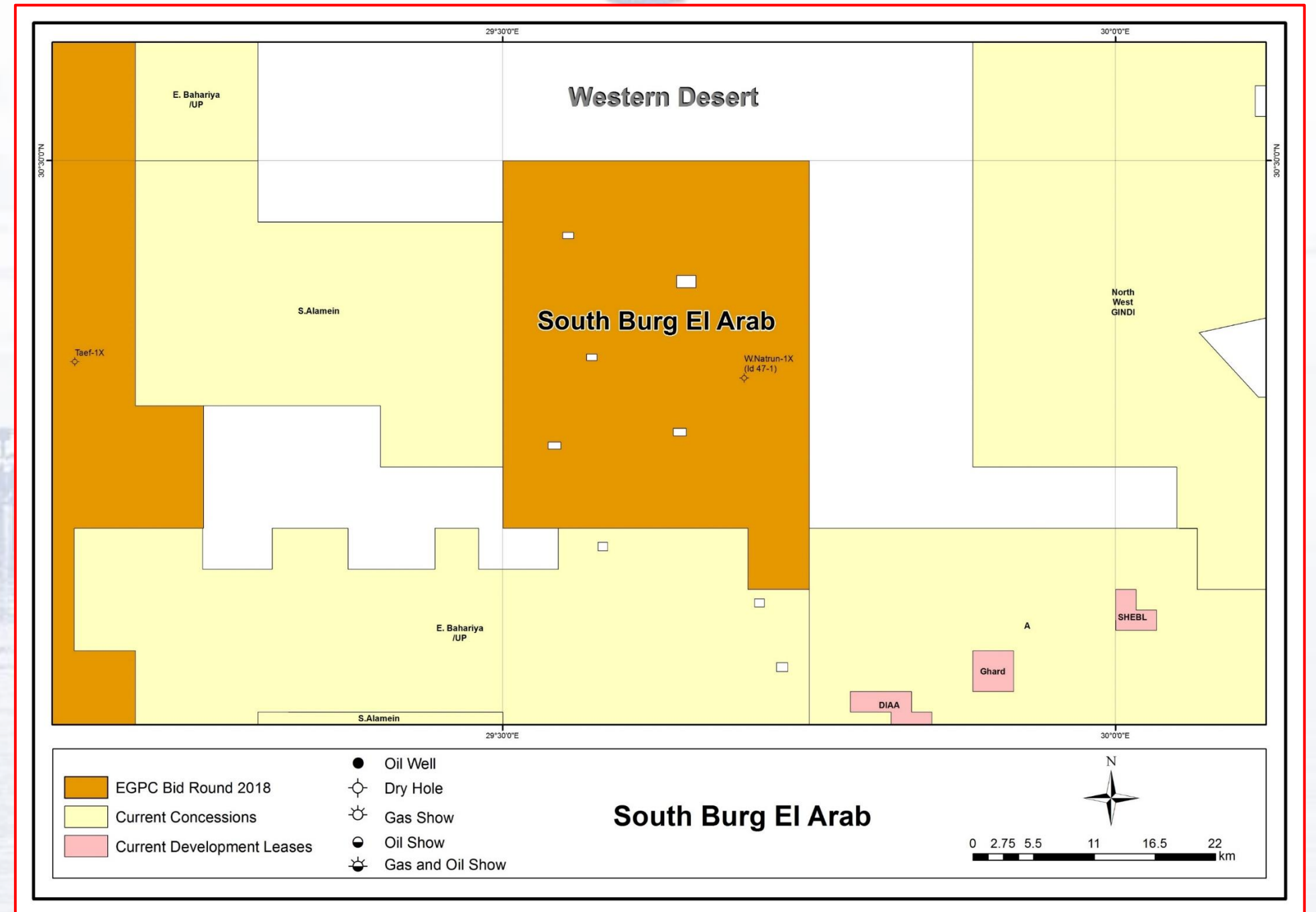
Previous Concessionaire: Britoil

2D Seismic Survey: 1375 Km

3D Seismic Survey: 832 Km²

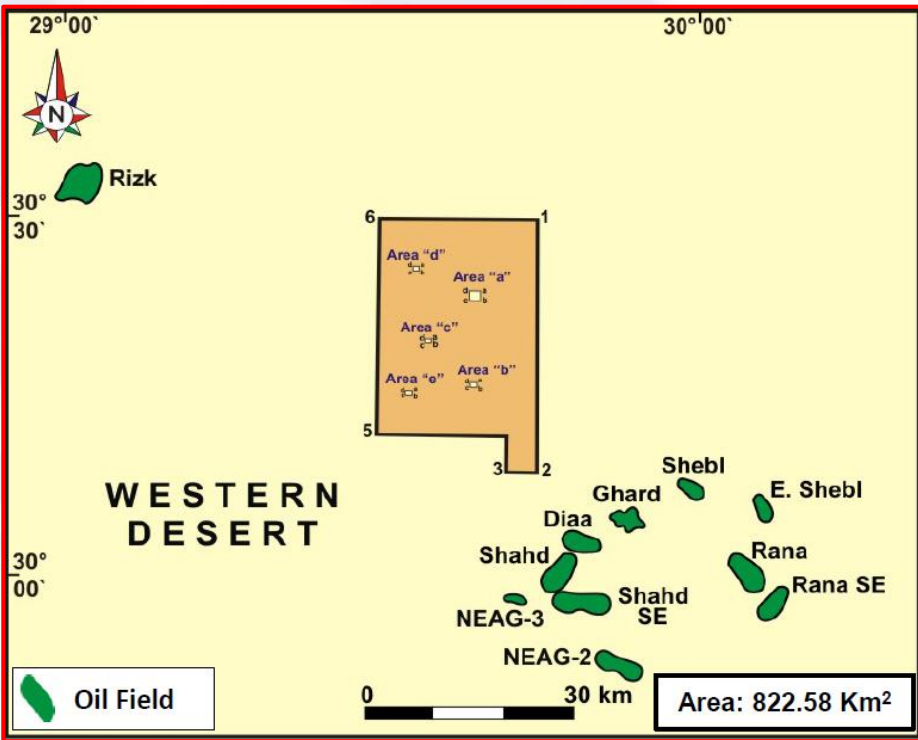
Drilled Wells: 1 Well

Range of wells TD: 11628 ft.



8. South Burg El Arab 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.

1- 30° 30' 00.00"	29° 45' 00.00"
2- 30° 09' 00.00"	29° 45' 00.00"
3- 30° 09' 00.00"	29° 42' 00.00"
4- 30° 12' 00.00"	29° 42' 00.00"
5- 30° 12' 00.00"	29° 30' 00.00"
6- 30° 30' 00.00"	29° 30' 00.00"

Excluded Areas

Area "a"

LAT. LONG.

a- 30° 24' 23.00"	29° 39' 26.50"
b- 30° 23' 47.00"	29° 39' 26.50"
c- 30° 23' 47.00"	29° 38' 30.20"
d- 30° 24' 23.00"	29° 38' 30.20"

Area "b"

LAT. LONG.

a- 30° 16' 53.50"	29° 38' 58.25"
b- 30° 16' 31.50"	29° 38' 58.25"
c- 30° 16' 31.50"	29° 38' 20.00"
d- 30° 16' 53.50"	29° 38' 20.00"

Area "c"

LAT. LONG.

a- 30° 20' 31.92"	29° 34' 36.00"
b- 30° 20' 12.50"	29° 34' 36.00"
c- 30° 20' 12.50"	29° 34' 05.70"
d- 30° 20' 31.92"	29° 34' 05.70"

Area "d"

LAT. LONG.

a- 30° 26' 29.30"	29° 33' 27.15"
b- 30° 26' 11.35"	29° 33' 27.15"
c- 30° 26' 11.35"	29° 32' 55.50"
d- 30° 26' 29.30"	29° 32' 55.50"

Area "e"

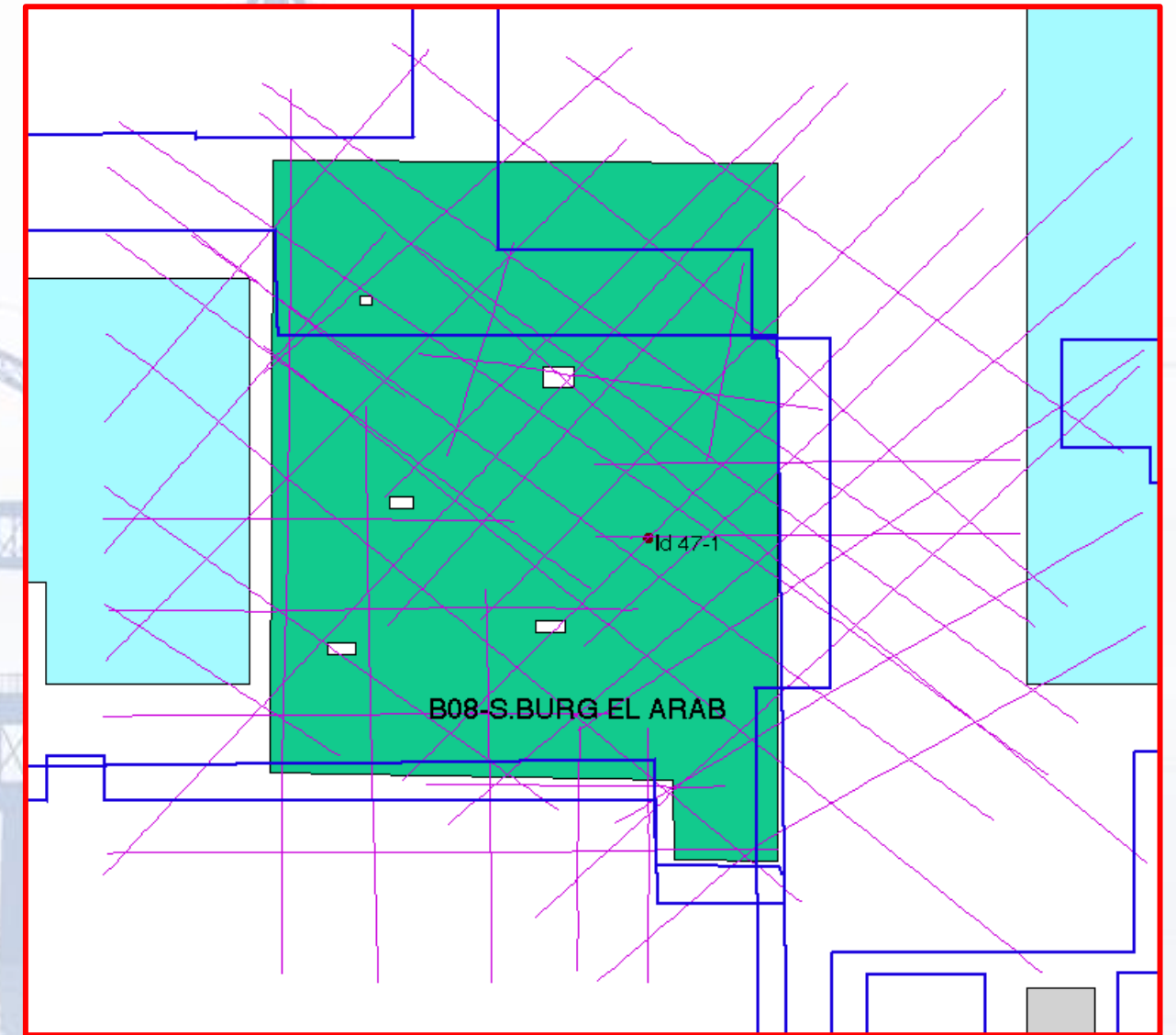
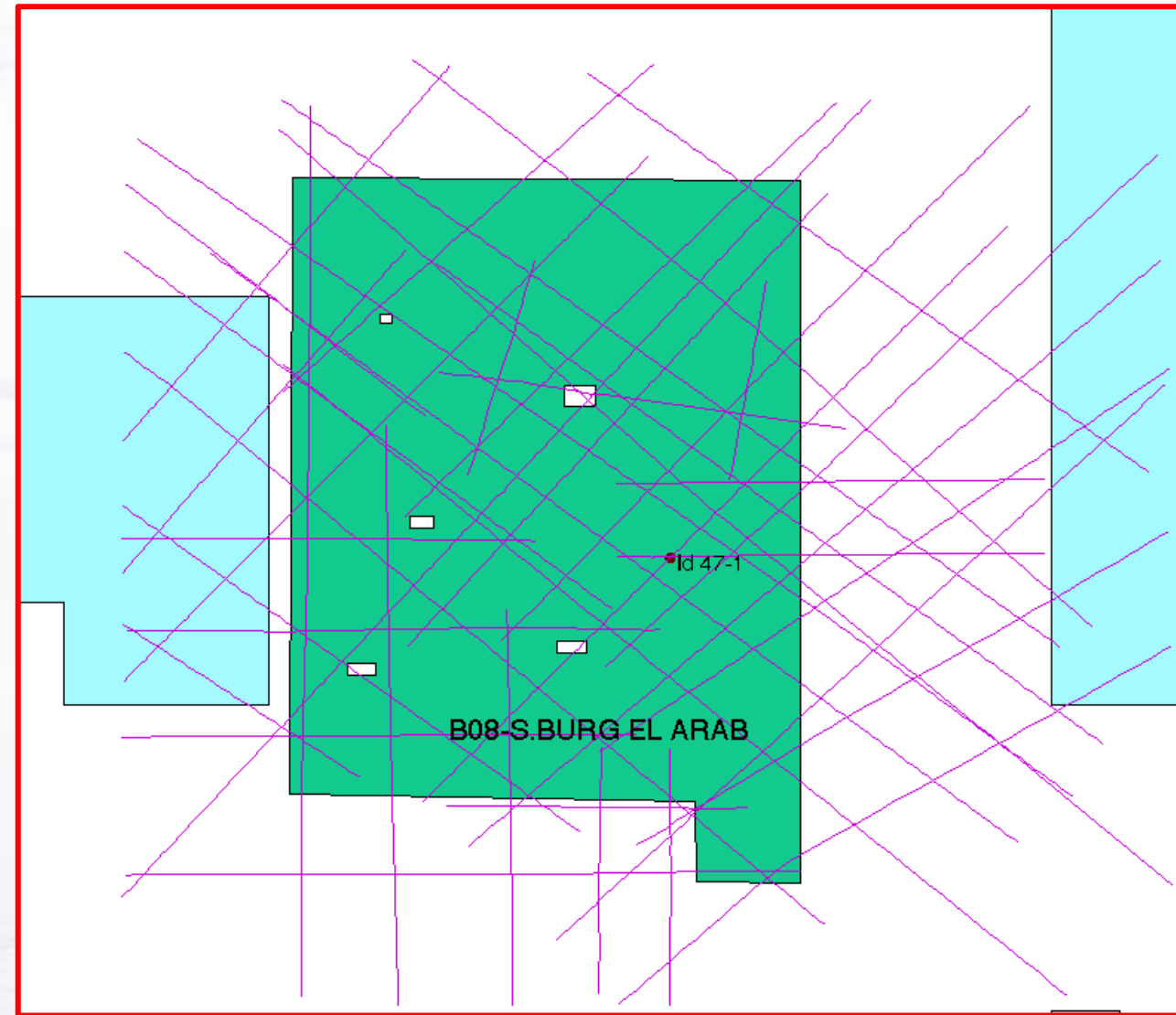
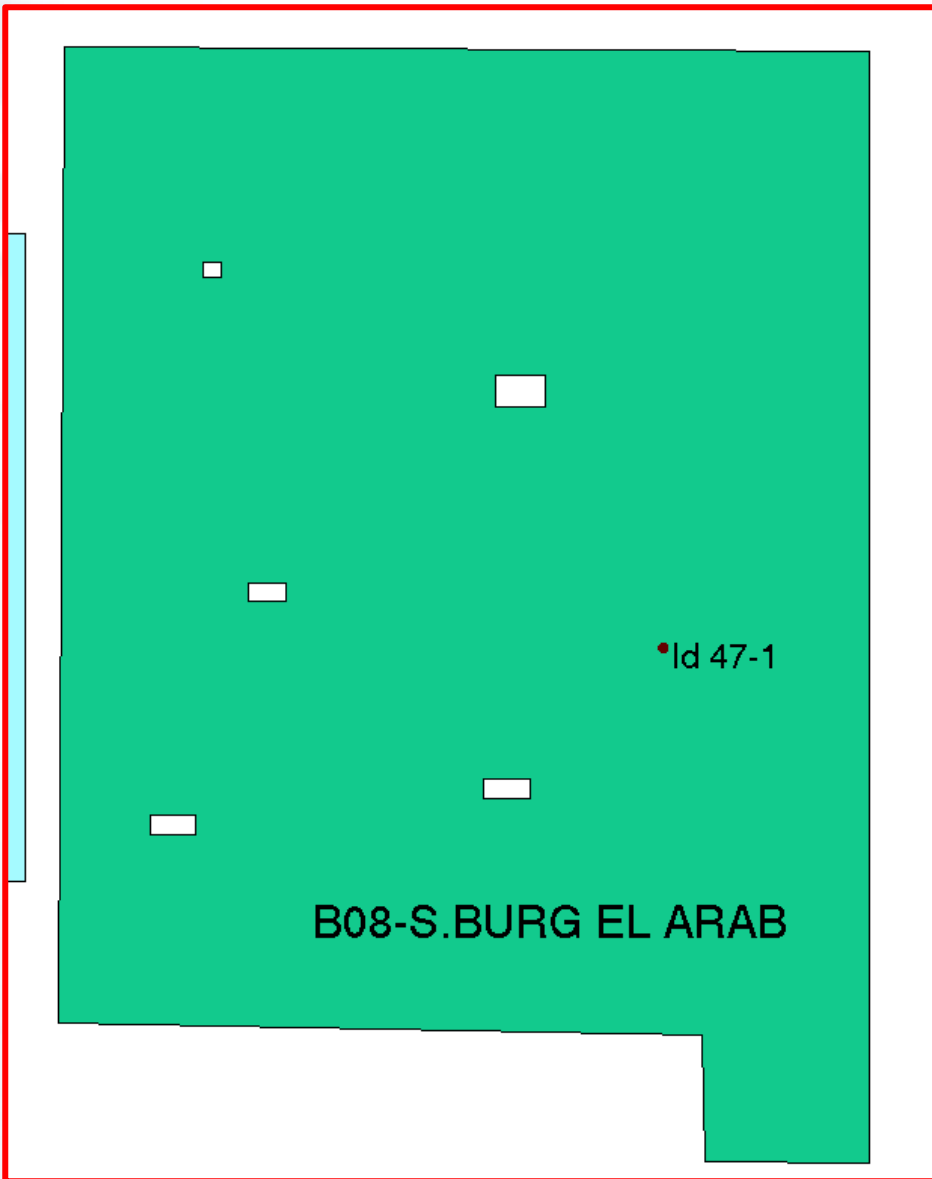
LAT. LONG.

a- 30° 16' 13.18"	29° 32' 49.90"
b- 30° 15' 52.71"	29° 32' 49.90"
c- 30° 15' 52.71"	29° 32' 13.10"
d- 30° 16' 13.18"	29° 32' 13.10"



SOUTH BURG EL ARAB WELLS

NO.	WELL NAME / NEW NAME	COMPANY	SPUD. DATE COMP. DATE	LAT. LONG.	T. D. FEET	FORMATION REACHED	FINAL STATUS
1	W. NATRUN-1X (Id 47-1)	BRIT OIL	14/08/1989 25/10/1989	30° 19' 21.2" 29° 41' 49.2"	11,628	MIDDLE JURASSIC (W. NATRUN FM.)	P & A (oil shows)



2D Seismic Survey: 1375 Km

3D Seismic Survey: 832 Km²

- ✓ Cepsa South Alamein North East 2008: 685 Km²
- ✓ Petroshahd East Ras Qattara 2008 North: 147 Km²

8. South Burg El Arab 2018 BID ROUND BLOCKS

Petroleum System



Petroleum System Elements & Hydrocarbon Plays

➤ **Basin:** The block is close to the East Tiba Half Graben to the SE.

➤ Sources:

The rock analysis in nearby areas shows that the source rock here are Khatatba Shale (Jurassic), and possible AEB Shales.

➤ Reservoirs:

The U. Cretaceous age (A/R Mbrs and Bahariya/ Kharita) and Alam El Bueib are the main reservoirs in the block, in addition to Jurassic reservoirs (Safa & Ras Qattara).

➤ Seal:

Main top seal for A/R "G" & Bahariya reservoirs (Cretaceous) is the A/R "G" inter-formational shales, Khoman, Apollonia, AR "F" carbonates and Masajid, Dahab shale capped for AEB reservoir.

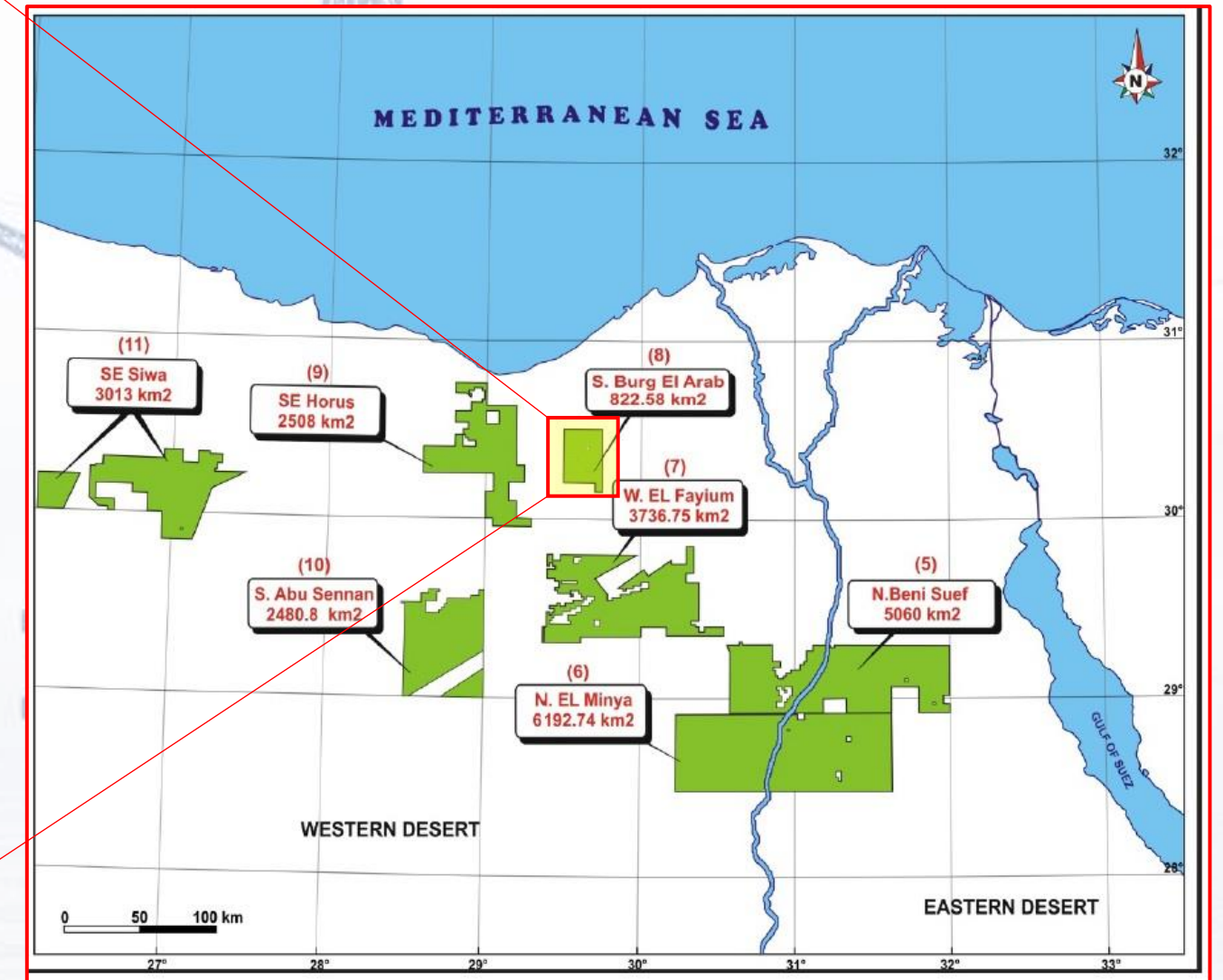
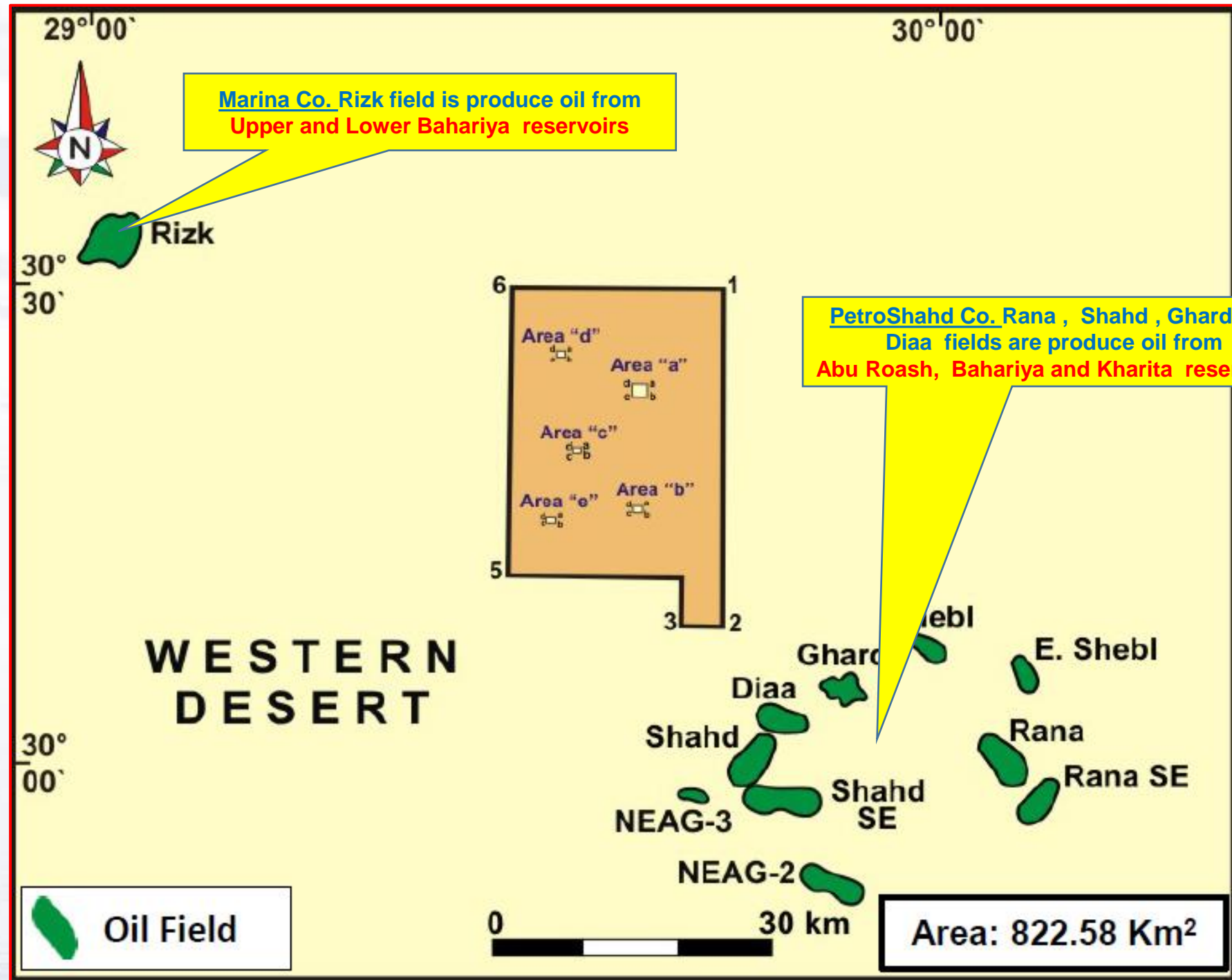
➤ Trap Mechanism:

Mainly structure Trap 3 way/ 4 way dip closures.

AGE		FORMATION	LITHOLOGY	
TERTIARY	EARLY-MIDDLE MIOCENE	MOGHRA	[Lithology: Yellowish sandstone]	
	OLIGOCENE	DABAA	[Lithology: Reddish sandstone]	
	EOCENE	APOLLONIA	[Lithology: Blue-grey shale]	
LATE CRETACEOUS	MAASTRICHTIAN CAMPANIAN	KHOMAN	[Lithology: Blue-grey shale]	
			[Lithology: Blue-grey shale]	
	SANTONIAN CONIACIAN	ABU ROASH	"A"	[Lithology: Yellow sandstone]
			"B"	[Lithology: Yellow sandstone]
			"C"	[Lithology: Yellow sandstone]
			"D"	[Lithology: Yellow sandstone]
			"E"	[Lithology: Yellow sandstone]
TURONIAN	"F"	[Lithology: Yellow sandstone]		
CENOMANIAN	"G"	[Lithology: Yellow sandstone]		
EARLY CRETACEOUS	ALBIAN	KHARITA	[Lithology: Yellow sandstone]	
			[Lithology: Yellow sandstone]	
	APTIAN	DAHAB ALAMEIN	[Lithology: Reddish sandstone]	
	NEOCOMIAN BARREMIAN	AEB	[Lithology: Yellow sandstone]	
JURASSIC	LATE	MASAJID	[Lithology: Blue-grey shale]	
	MIDDLE	ZAHRA	[Lithology: Green sandstone]	
		U.SAFA	[Lithology: Green sandstone]	
		L.SAFA	[Lithology: Green sandstone]	



Nearby Fields & Productivity



Nearby Fields:

The Block is surrounded by oil fields of (Shahd, Shahd SE, Daa and Shebl East) operated by Sipepetrol/ Petroshahd company is located in the SE of the Block.