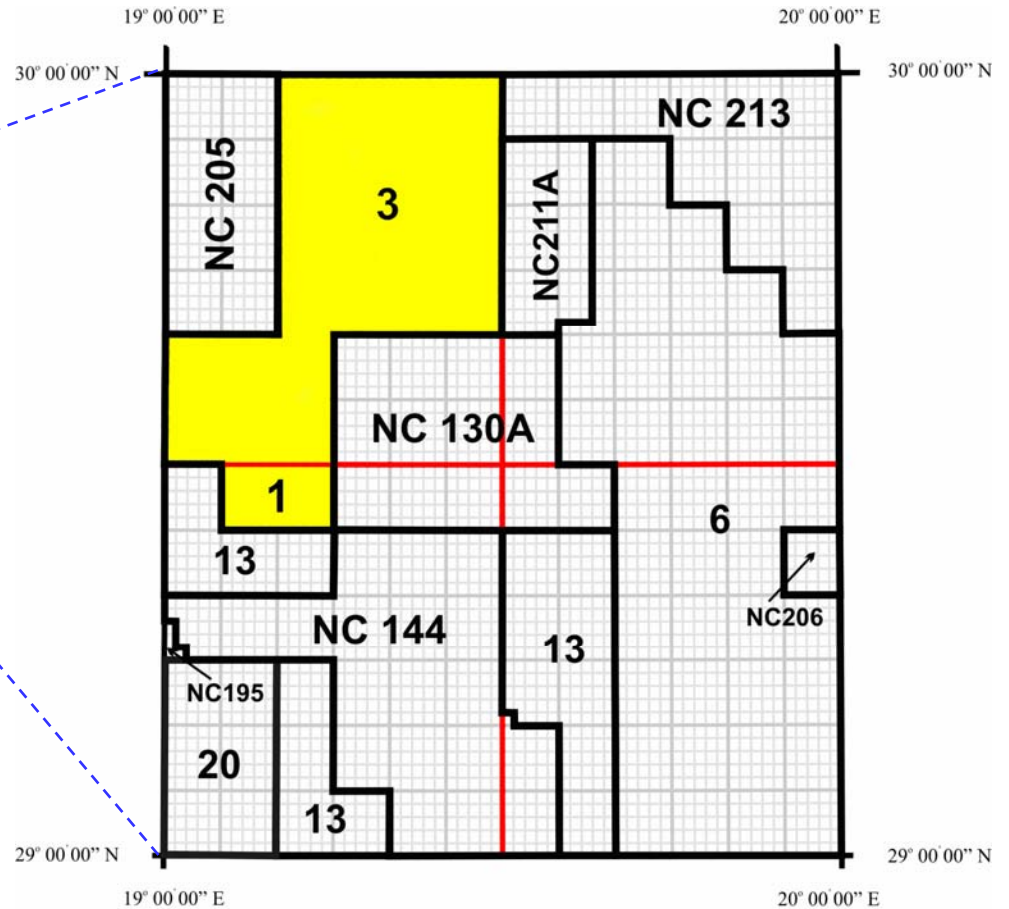
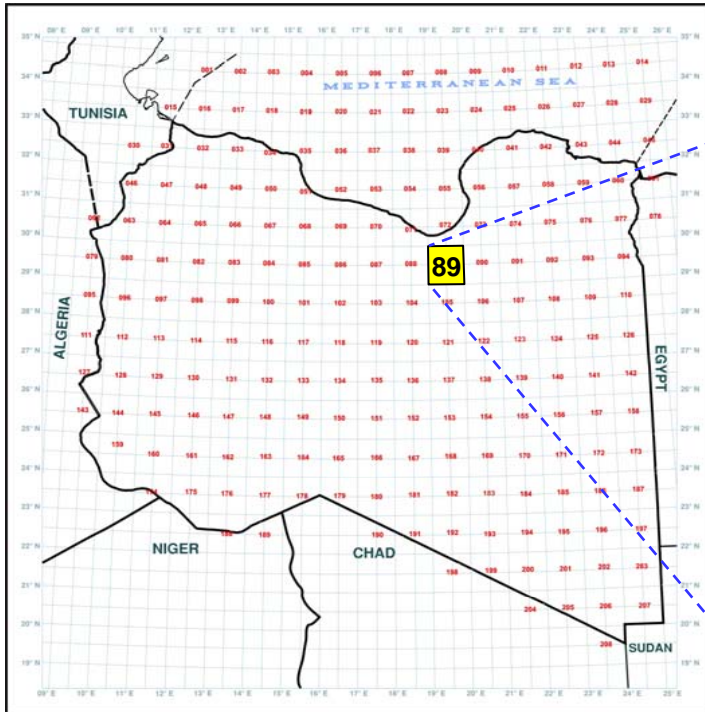


Summary Sheets
of
Contract Areas
(89 & 103)

Contract Area (89) Blocks 1 & 3



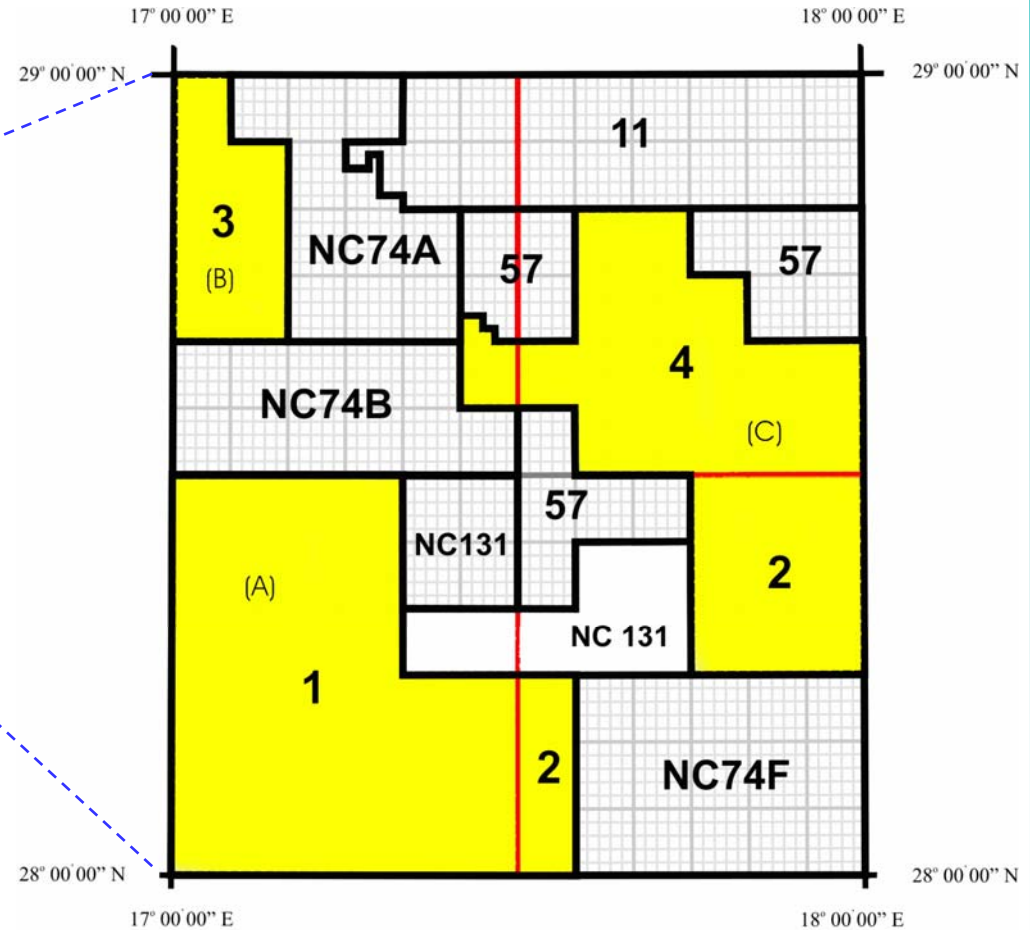
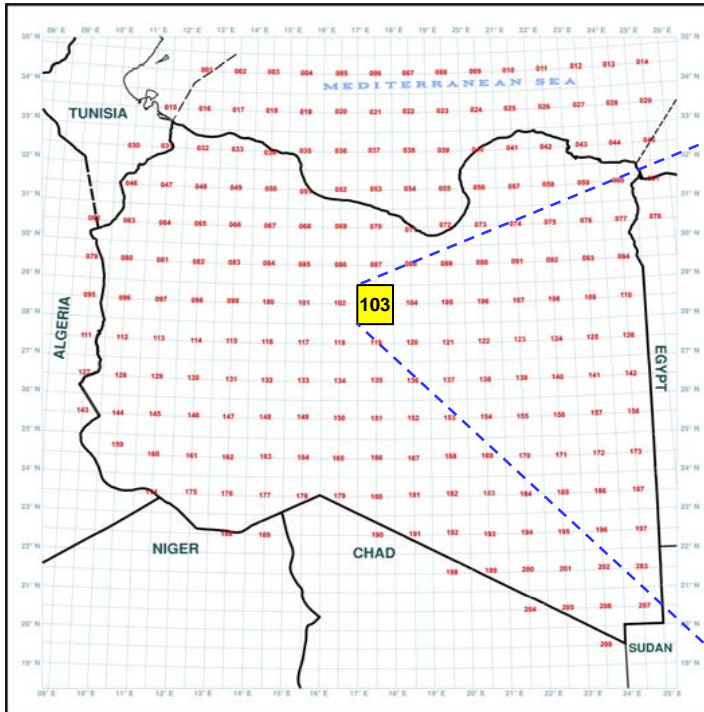
Contract Area (89) Blocks 1 & 3

Open Surface area	1,790 sq km.
Drilled Wells	A1-6, 3A1a-6, 3N1-6, 3P1-6, 2S1-6, X1-6, 2x1-6, Y1-6, A1a-13, A1-94, B1-94, C1-94, C1-NC130 and D1-NC130
Potential Reservoirs	Eocene Paleocene P.U. Cretaceous (Gargaf)
Source Rocks	U. Cretaceous Shale
Seals	Paleocene Shales Cretaceous Shales
Play Concepts	Fault associated Closures Build Ups
Acquired Seismic	1377 km - 2D
Production facilities	Near by

	AGE	LITHO-LOGY	FORMATION
TERTIARY	PRIA-BONIAN		GEDARI
	LUTETIAN		
	YPRESIAN		HON Evp.
			FACHA DoI..
	THANETIAN		KHEIR.
			HARASH
UPPER CRETACEOUS	DANIAN		DAHRA
			BEDA
	MAASTRICHTIAN		HAGFA Sh.
UPPER CRETACEOUS	CAMPANIAN		KALASH
			TAGRIFT
	SANTONIAN		
	CONIACIAN		
	TURONIAN		ETEL (ANF)
PRE-UPPER CRETACEOUS	CENOMANIAN		LIDAM (DOR)
			BAHI
	PRE-UPPER CRETACEOUS		NUBIAN (KIKLA)
			TANEZZUFT
PRE-UPPER CRETACEOUS			GARGAF



Contract Area (103) Blocks 1, 2, 3 & 4



Contract Area (103) Blocks 1, 2, 3 & 4

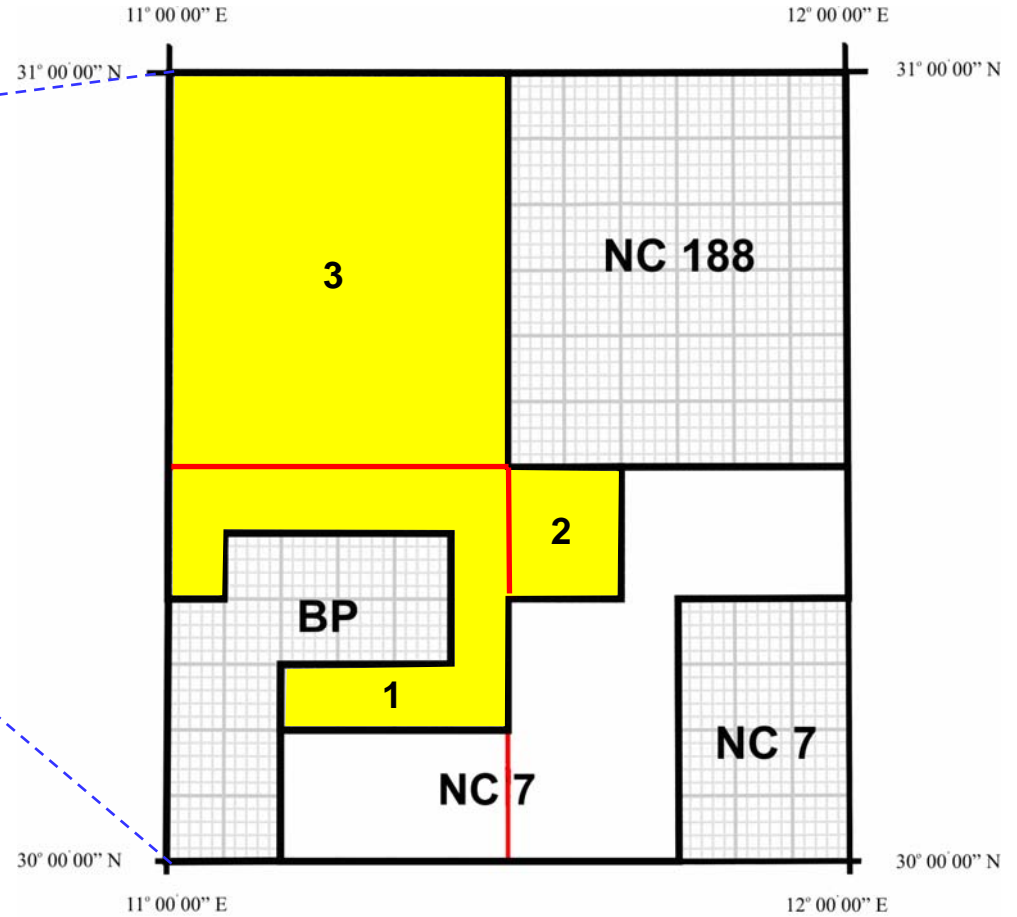
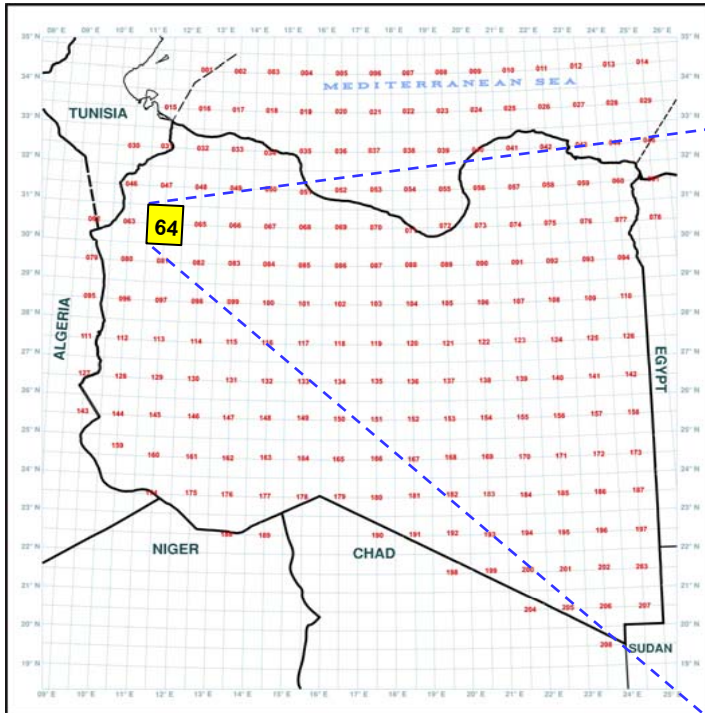
Open Surface area	4,986 sq km.
Drilled Wells	B1-57, F1-57, B3-78, B4-78, D1-78, B1-NC131 and F1-NC131
Potential Reservoirs	Eocene Paleocene P.U. Cretaceous (Gargaf)
Source Rocks	U. Cretaceous Shale Tanezzuft Shale (Silurian)
Seals	Eocene Evaporites Paleocene Shales Cretaceous Shales
Play Concepts	Fault associated closures
Acquired Seismic	3818 km - 2D
Production facilities	Near by

	AGE	LITHOLOGY	FORMATION
TERTIARY	PRIABONIAN		GEDARI
	LUTETIAN		
	YPRESIAN		HON Evp.
			FACHA DoI..
	THANETIAN		KHEIR.
			HARASH
UPPER CRETACEOUS	DANIAN		DAHRA
			BEDA
		HAGFA Sh.	
	MAASTRICHTIAN		KALASH
	SANTONIAN		TAGRIFT
PRE-UPPER CRETACEOUS	CONIACIAN		ETEL (ANF)
	TURONIAN		LIDAM (DOR)
	CENOMANIAN		BAHI
			NUBIAN (KIKLA)
			TANEZZUFT
			GARGAF



Summary Sheets
of
Contract Areas
(64, 95 & 96)

Contract Area (64) Blocks 1, 2 & 3



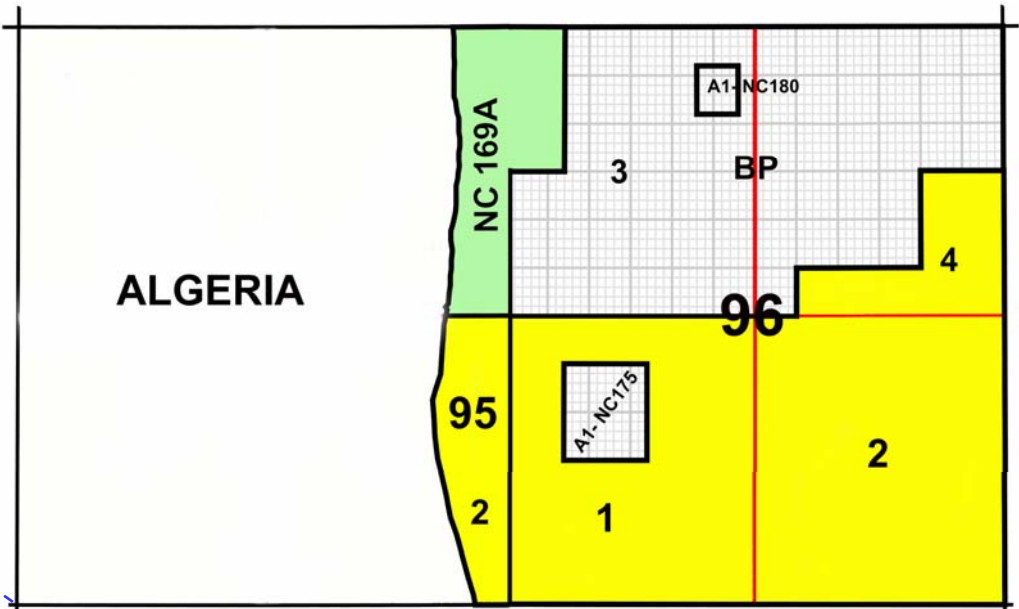
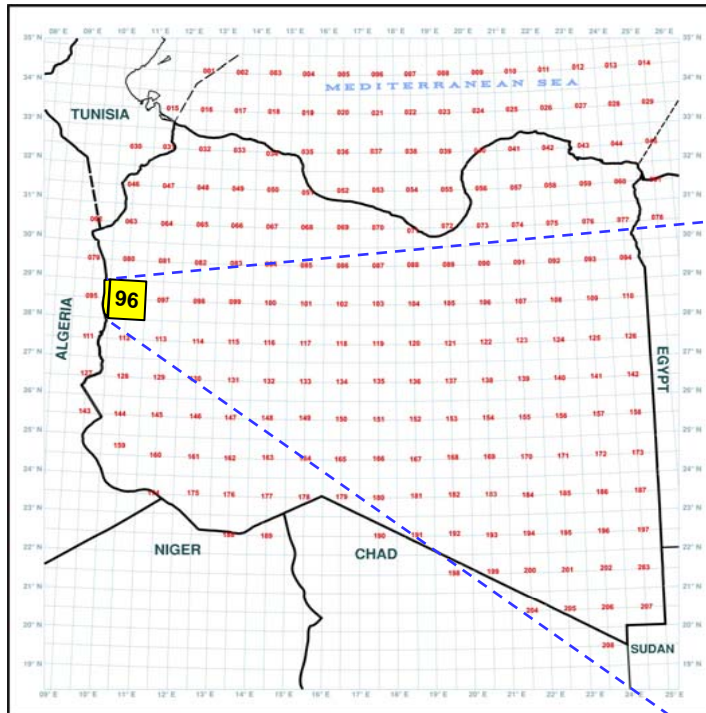
Contract Area (64) Blocks 1, 2 & 3

Open Surface area	3,936 sq km.
Drilled Wells	K1-26, N1-26, P1-26 and S1a-26
Potential Reservoirs	Devonian: Tadrart, A. Ounien, Tahara Fms. Acacus Fm.
Source Rocks	Frasnian Shale Tanezzuft shale
Seals	Intra-formation shale)Acacus and Emgayet Shales) Devonian Shales. Carboniferous Shales.
Play Concepts	Fault Associated Closures Four Way Dip Closures Pinchouts
Acquired Seismic	3024 km - 2D
Production facilities	-Al Hamada Field of AGOCO

AGE		LITHO- LOGY	FORMATION
MESOZOIC	TRIASSIC TO CRETACEOUS		MESSAK TAOURATINE ZARZAITINE
			PERMIAN
PALEOZOIC	CARBONIFEROUS		DEMBABA
			ASSEDJAFAR
			MARAR
			TAHARA
	DEVONIAN		AWAYNAT OUNIEN
			EMGAYET
			OUN KASA
			TADRART
			AKAKUS
			TANEZZUFT
	ORDOVICIAN		MEMOUNIAT
			MELAZ SHUQRAN
	CAMBRIAN		HOUAZ
			HASAWNAH BASEMENT

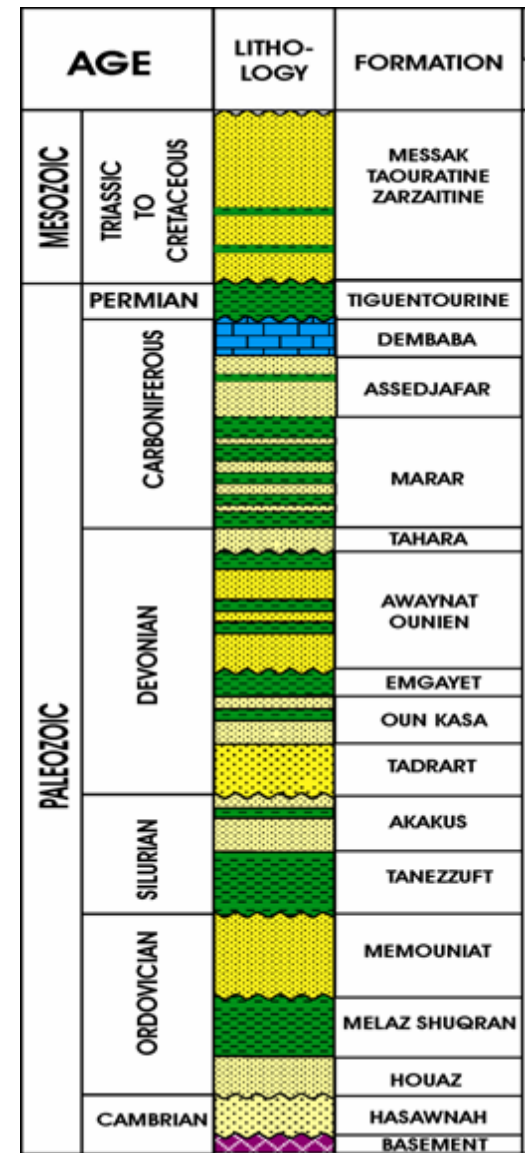


Contract Area (95/96) Blocks (2/ 1, 2 & 4)



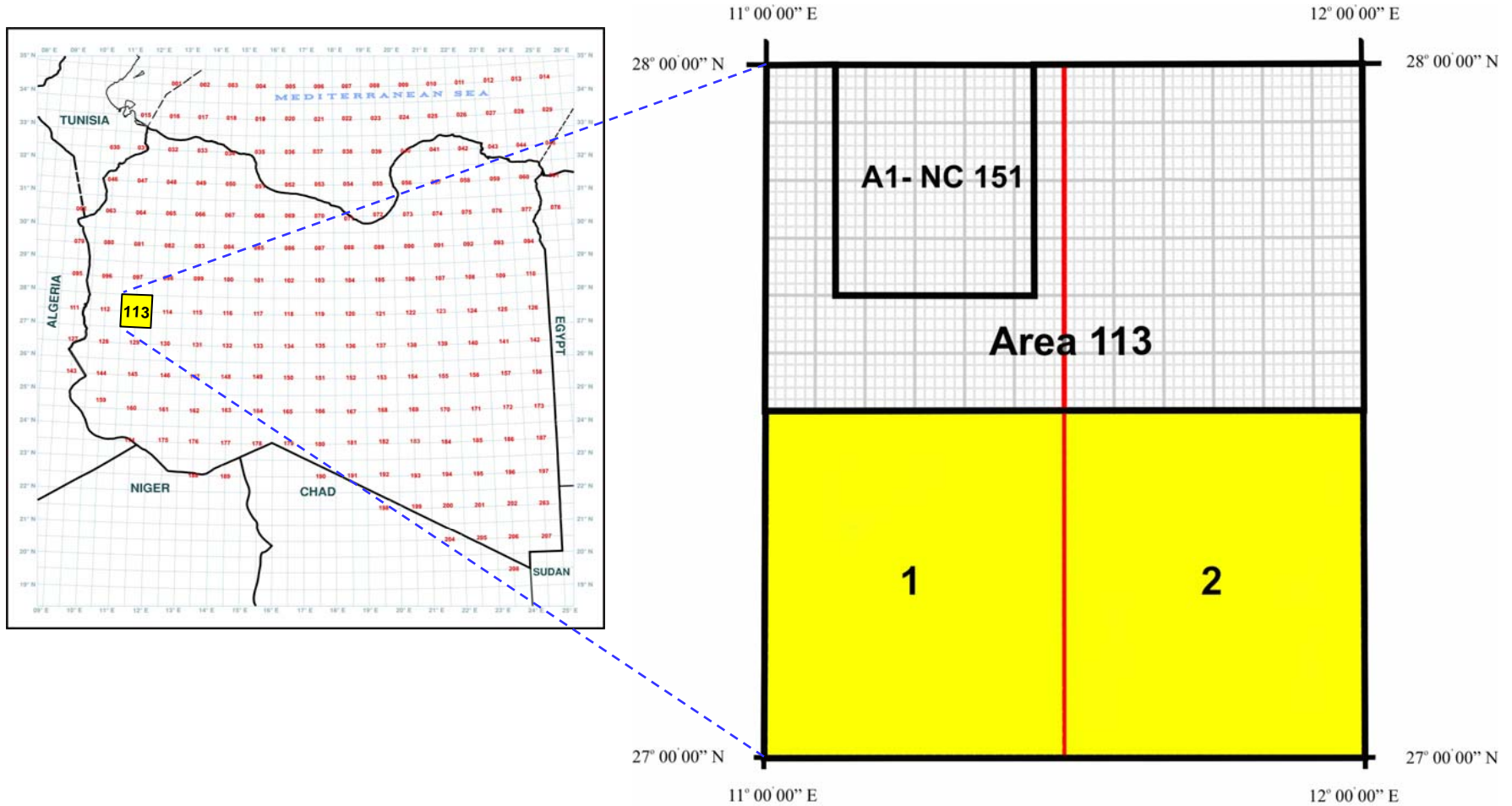
Contract Area (95/96) Blocks (2/ 1, 2 & 4)

Open Surface area	6,934 sq km.
Drilled Wells	I1-1, G1-1, K1-1 and M1-1
Potential Reservoirs	Carboniferous Sand Devonian Sand Ordovician Sand
Source Rocks	Silurian shale. Devonian Radioactive shale
Seals	Intra-formation shale)Acacus and Emgayet Shales) Devonian Shales. Carboniferous Shales.
Play Concepts	Fault Associated Closures Buried Hills Pinchouts
Acquired Seismic	3203 km - 2D
Production facilities	-Al Wafa Field



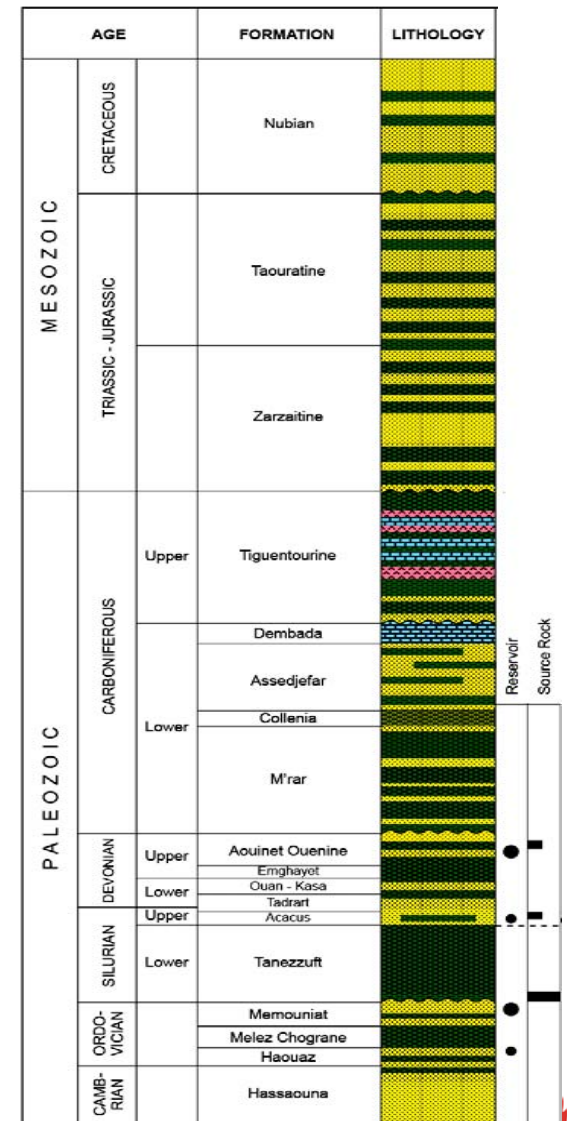
Summary Sheets
of
Contract Areas
(113 & 114)

Contract Area (113) Blocks 1 & 2

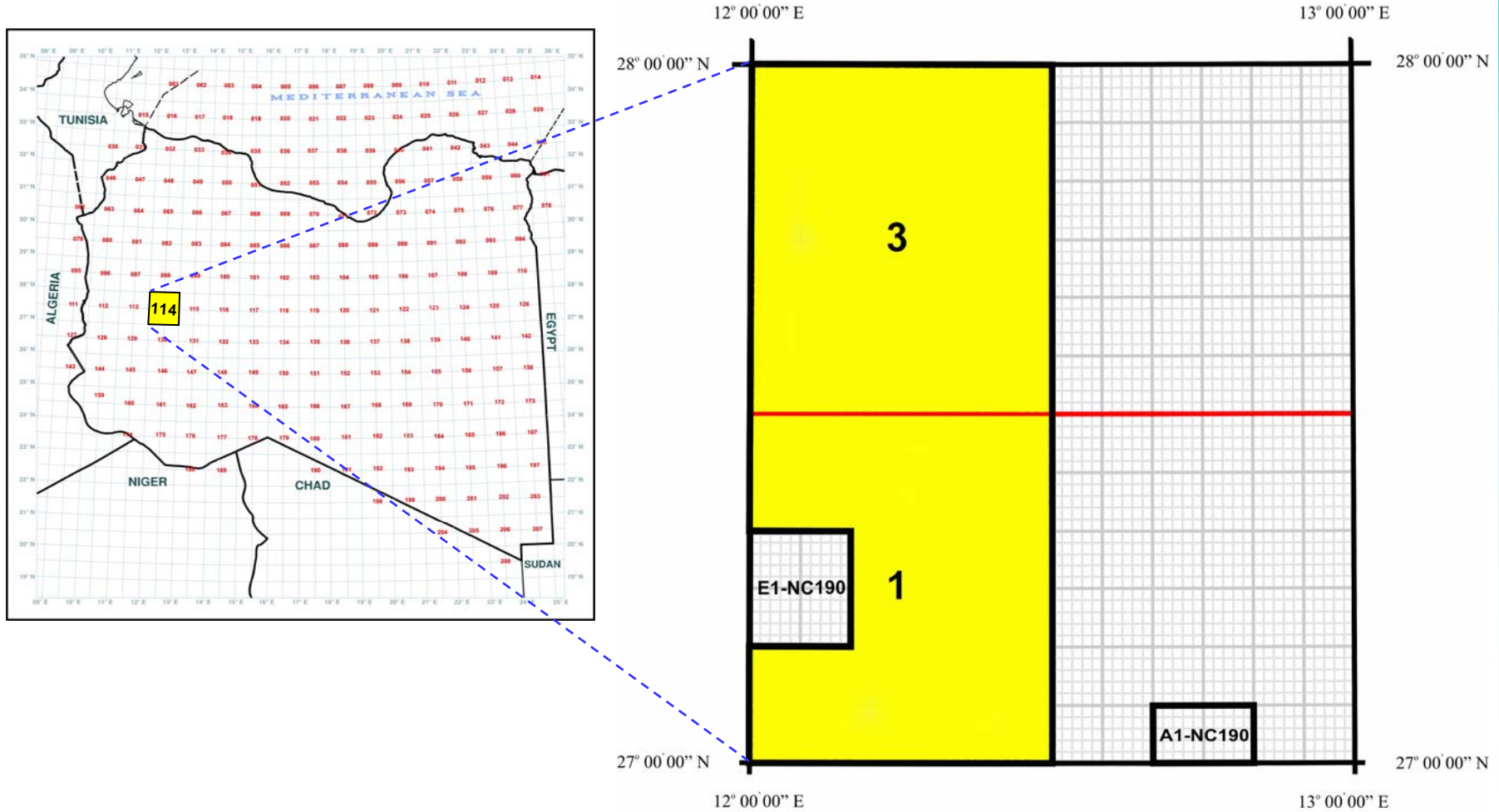


Contract Area (113) Blocks 1 & 2

Open Surface area	5,494 sq km.
Drilled Wells	D1-NC151 and G1-NC151
Potential Reservoirs	Carboniferous Sandstone (Marar) Devonian sandstones (A. Ounien "A Mbr.", Tahara) Ordovician (Memouniat and Houaz formations)
Source Rocks	Devonian shale "Radioactive unit" Tanezzuft shale (Silurian)
Seals	Marar shaly intervals A. Ounien Shale Tanezzuft shale Melaz Chogran Shale
Play Concepts	Buried Hills (Ordovician) Fault associated closures Stratigraphic
Acquired Seismic	1982 Km - 2D
Production facilities	Al Sharara Field

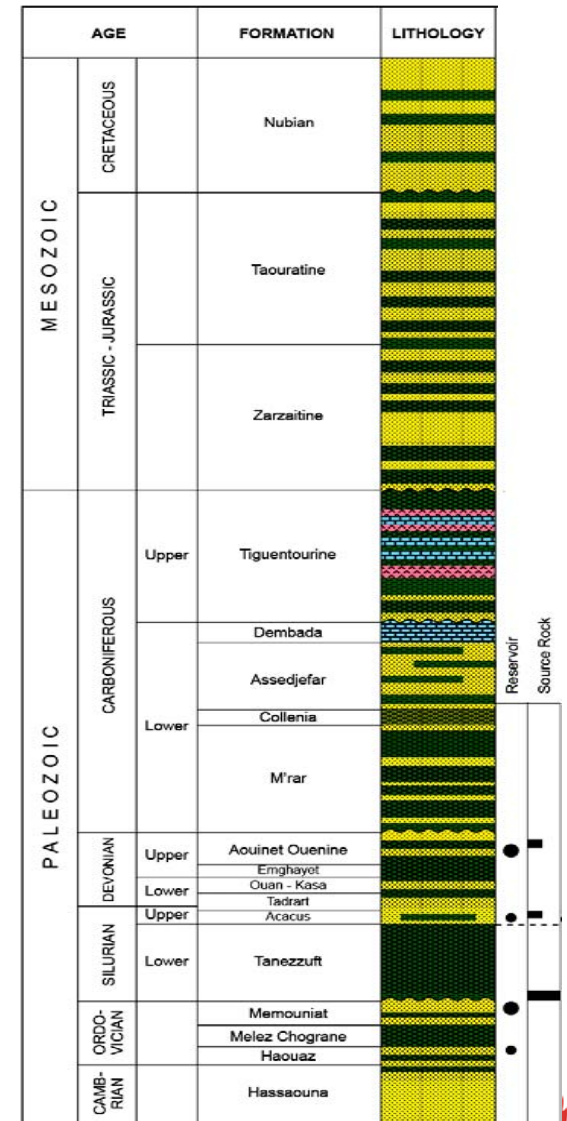


Contract Area (114) Blocks 1 & 3



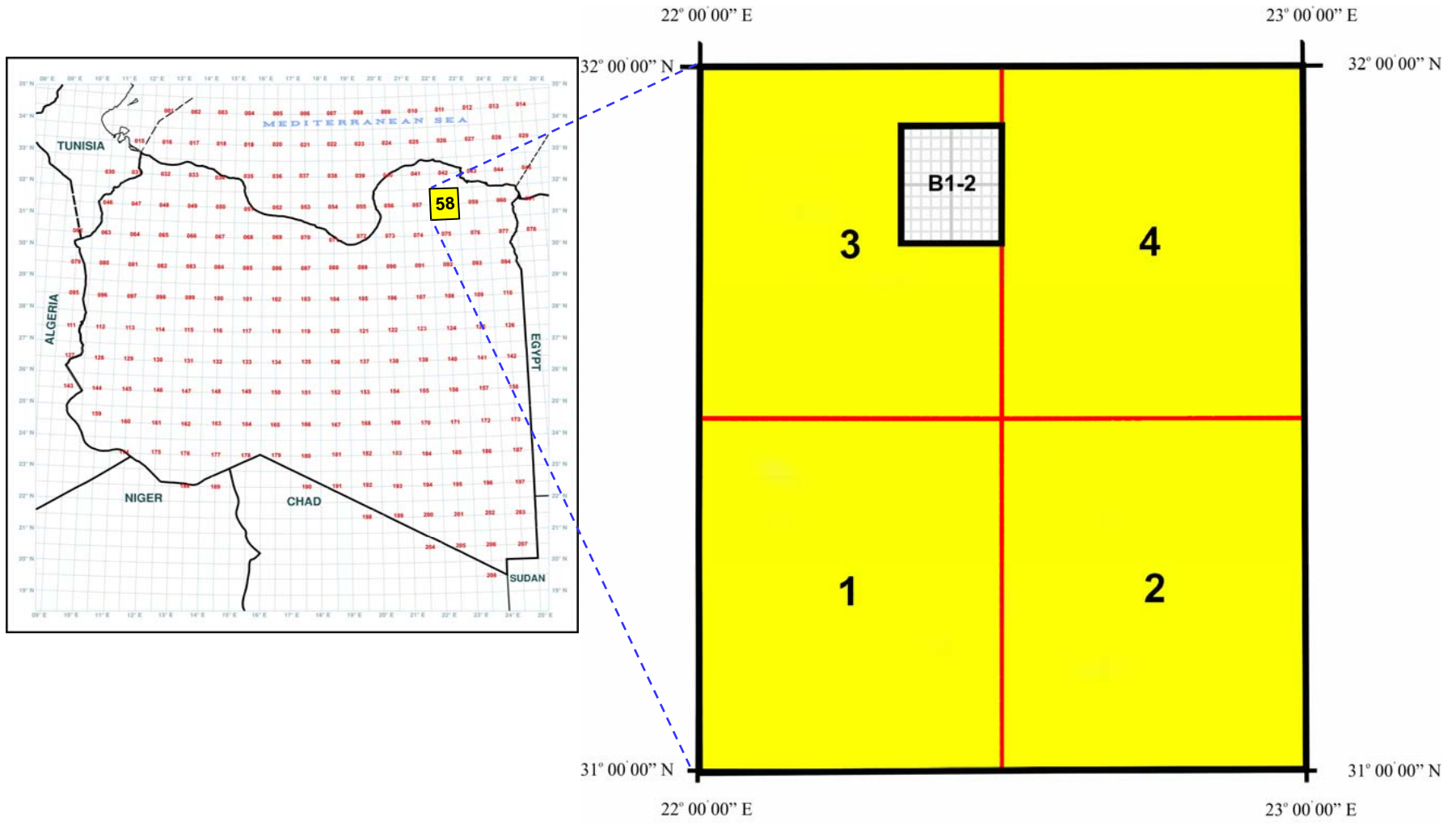
Contract Area (114) Blocks 1 & 3

Open Surface area	5,194 sq km.
Drilled Wells	D1-NC190, F1-NC190, H1-NC190 and G1-NC190
Potential Reservoirs	Devonian sandstones (A. Ounien "A Mbr.", Tahara) Ordovician (Memouniat and Houaz formations).
Source Rocks	Devonian shale "Radioactive unit" Tanezzuft shale (Silurian)
Seals	Devonian shale Tanezzuft shale
Play Concepts	Buried Hills (Ordovician) Fault associated closures.
Acquired Seismic	1615 Km 2D + 200 Km ² 3D
Production facilities	Al Sharara Field



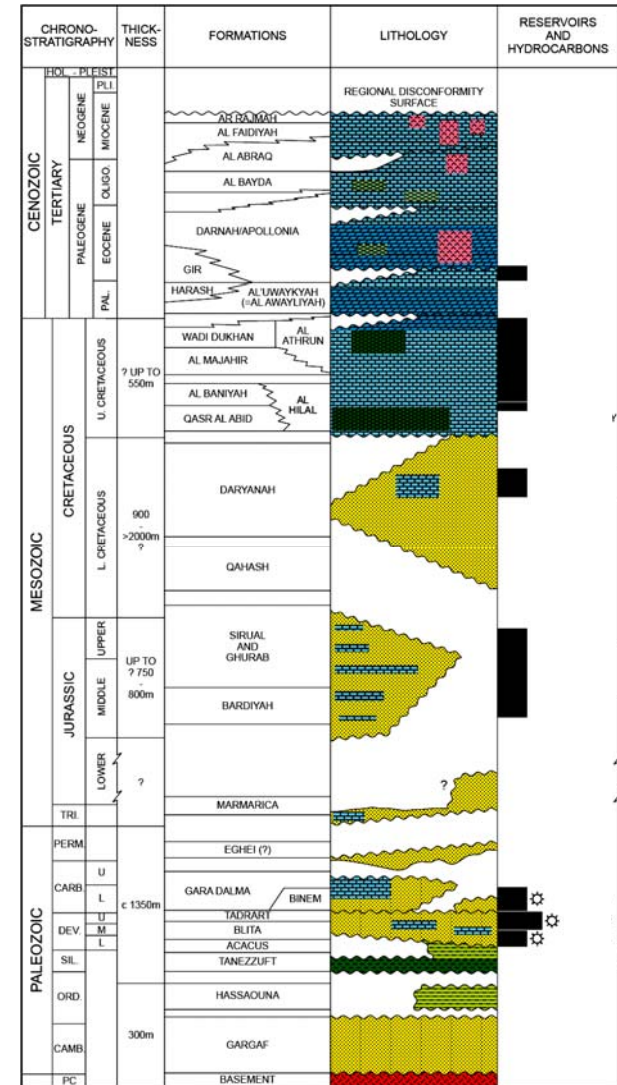
Summary Sheets
of
Contract Areas
(58)

Contract Area (58) Blocks 1, 2, 3 & 4



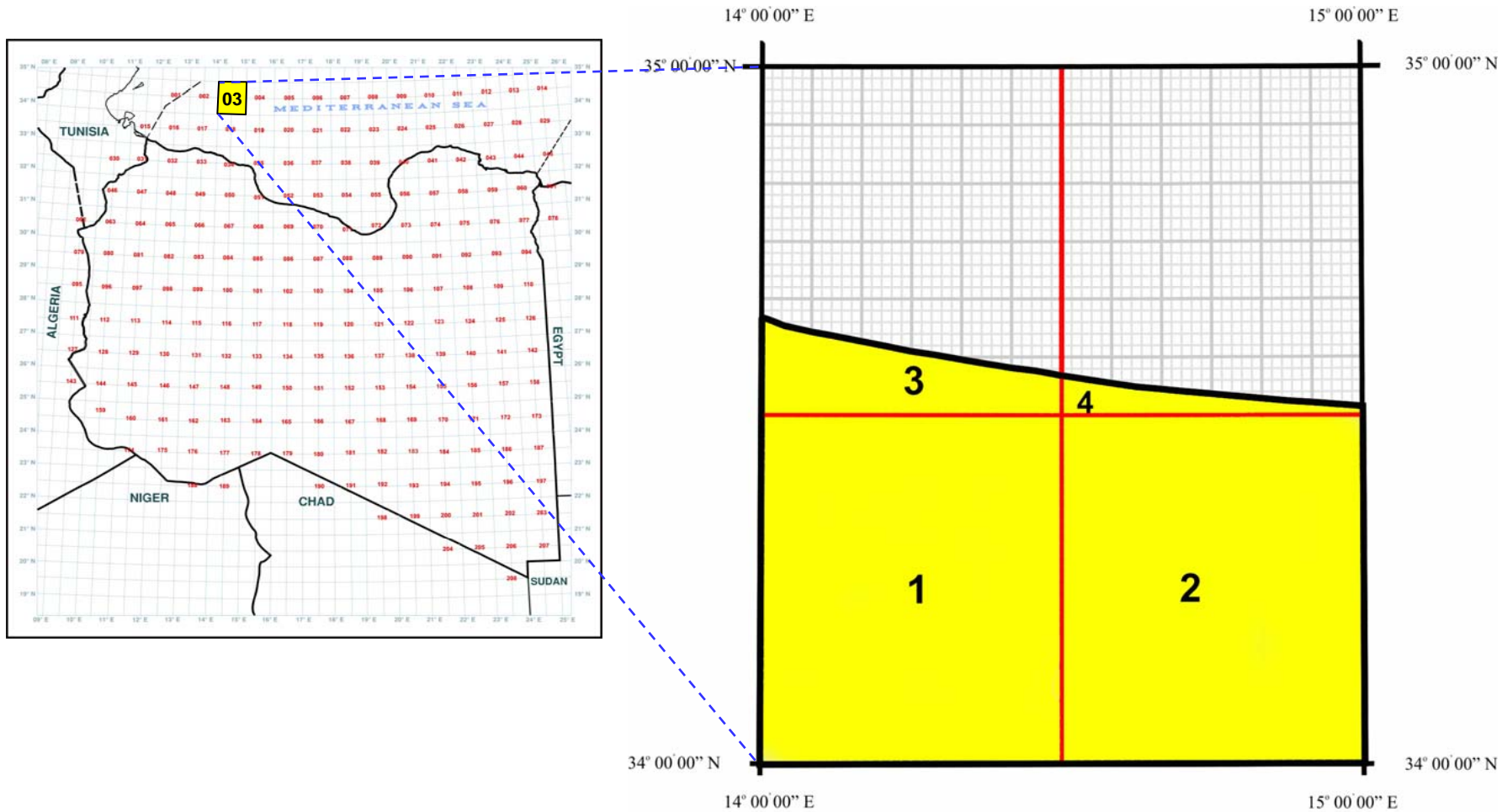
Contract Area (58) Blocks 1, 2, 3 & 4

Open Surface area	10,289 sq km
Drilled Wells	A1-2, A2-2, C1-2, D1-2, E1-2, G1-2, H1-2 and A1-NC92
Potential Reservoirs	L.Cretaceous Jurassic Carboniferous Devonian
Source Rocks	L. Cretaceous Shales Jurassic Shales Silurian Shales
Seals	Cretaceous Shales Carboniferous Shales
Play Concepts	Fault associated closures Stratigraphic
Acquired Seismic	1730 km - 2D
Production facilities	Remote



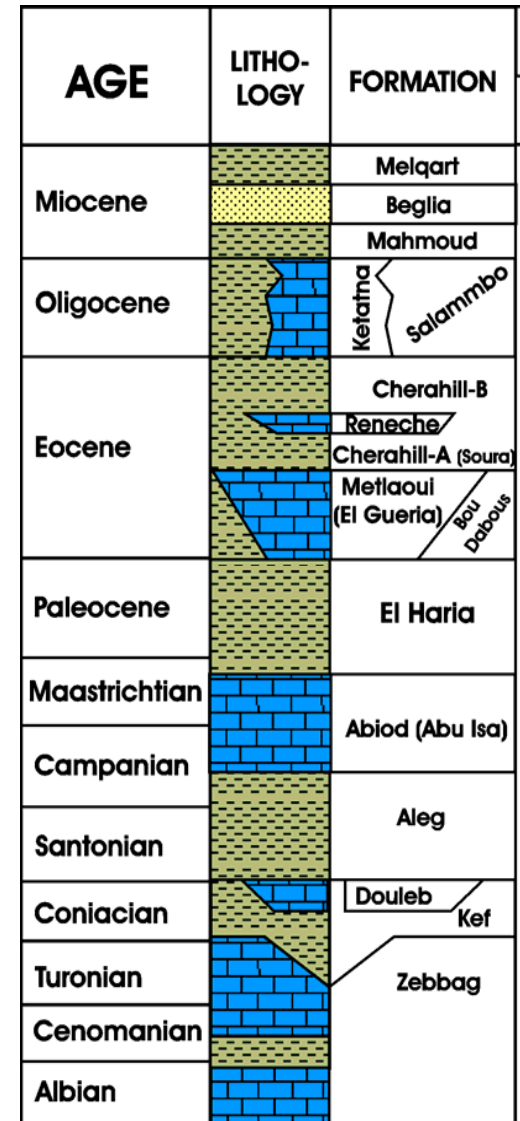
Summary Sheets
of
Contract Areas
(03, 15/16, 22, 23 & 71)

Contract Area (03) Blocks 1, 2, 3 & 4

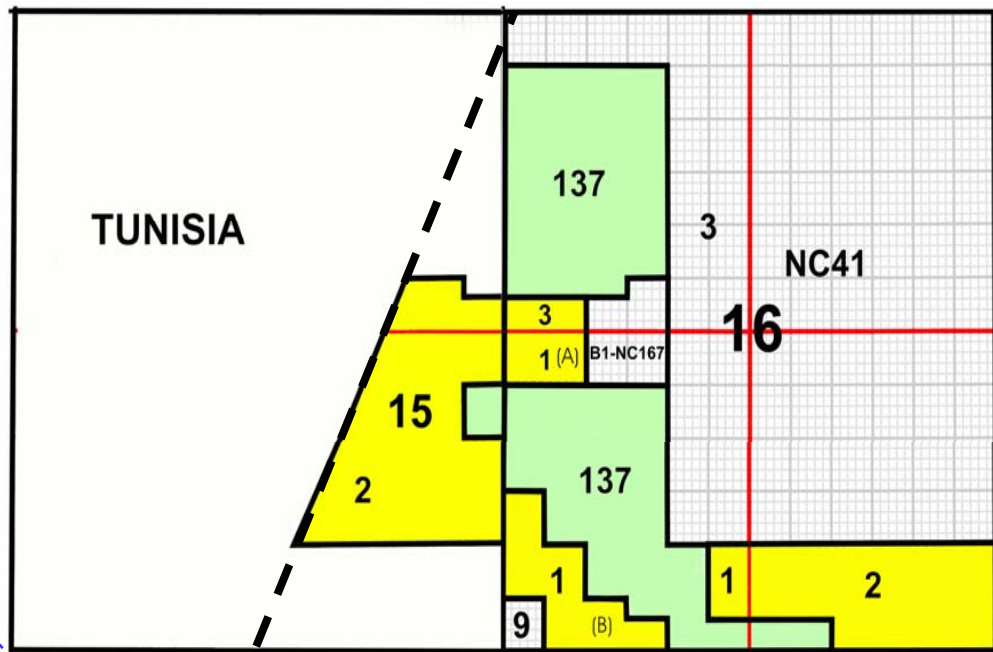
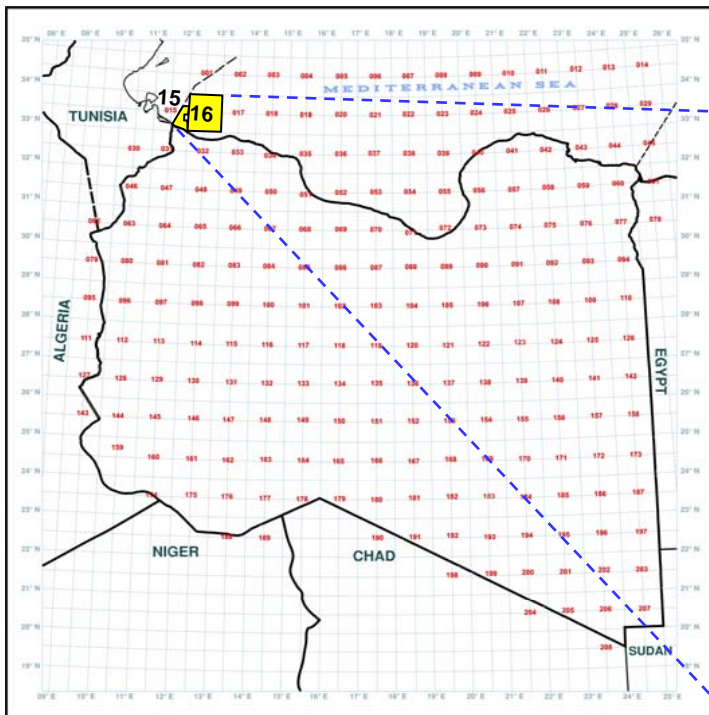


Contract Area (03) Blocks 1, 2, 3 & 4

Open Surface area	5,742 sq km
Drilled Wells	A1-NC146
Water Depth	250 - 500 m
Potential Reservoirs	L. Miocene carbonates Oligocene M – U. Eocene (Cherahil-Reineche) U. Cretaceous (Zebbag, Fracture Abiod and Miskar) Aptian-Albian (Alam and Serg)
Source Rocks	Oligocene shales (Salambo) L. Eocene (Base Metlaoui) U. Cretaceous shale (Aleg and Fahdain)
Seals	M-U. Eocene (Soar) Palaeocene Shale (El-Haria) U. Cretaceous Shale (Aleg and Fahdain)
Play Concepts	Carbonate build-ups Shallow Carbonate Platform Structural closures
Acquired Seismic	3805 km - 2D
Production facilities	Al Bouri field

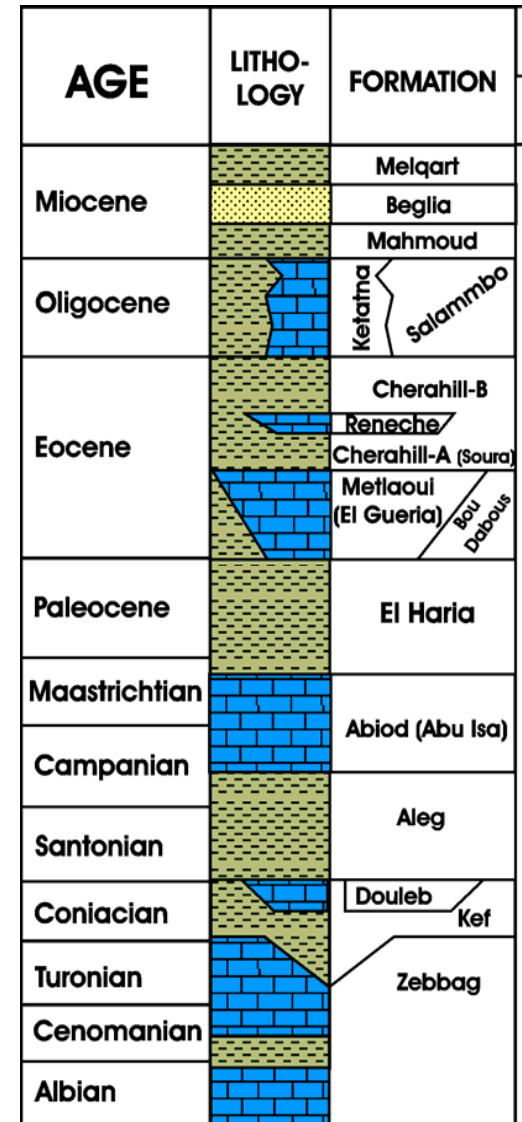


Contract Area (15 / 16) Blocks (2 & 4 / 1, 2 & 3)

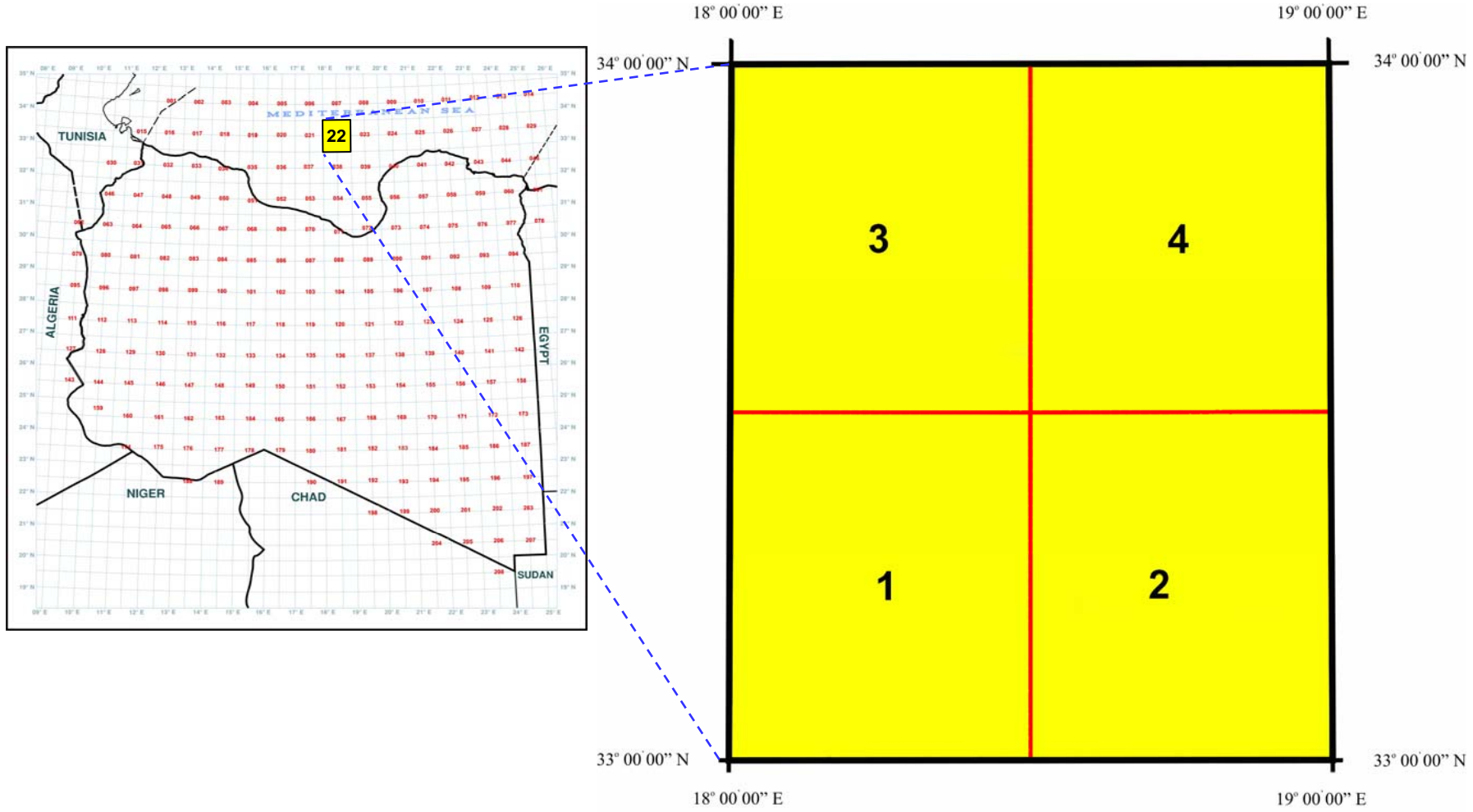


Contract Area (15/16) Blocks (2 & 4 / 1, 2 & 3)

Open Surface area	2,792 sq km
Drilled Wells	A1-NC167, F1-137,H2-137,G1-137,I1-137, L1-137 and A1-137A
Water Depth	0 - 150 m
Potential Reservoirs	L. Miocene carbonates Oligocene M – U. Eocene (Cherahil-Reineche) U. Cretaceous (Zebbag, Douleb and Miskar) Aptian-Albian (Alam and Serg)
Source Rocks	Oligocene shales (Salambo) L. Eocene (Bou Dabous) U. Cretaceous shale (Bahloul and Fahdene)
Seals	Miocene (Mahmoud) Oligocene shales (Salambo) U. Eocene (Cherahill) U. Cretaceous Shales (Aleg and Fahdain)
Play Concepts	Carbonate build-ups Shallow Carbonate Platform Salt associated closures
Acquired Seismic	2346 km - 2D
Production facilities	Al Jurf + Al Bouri fields

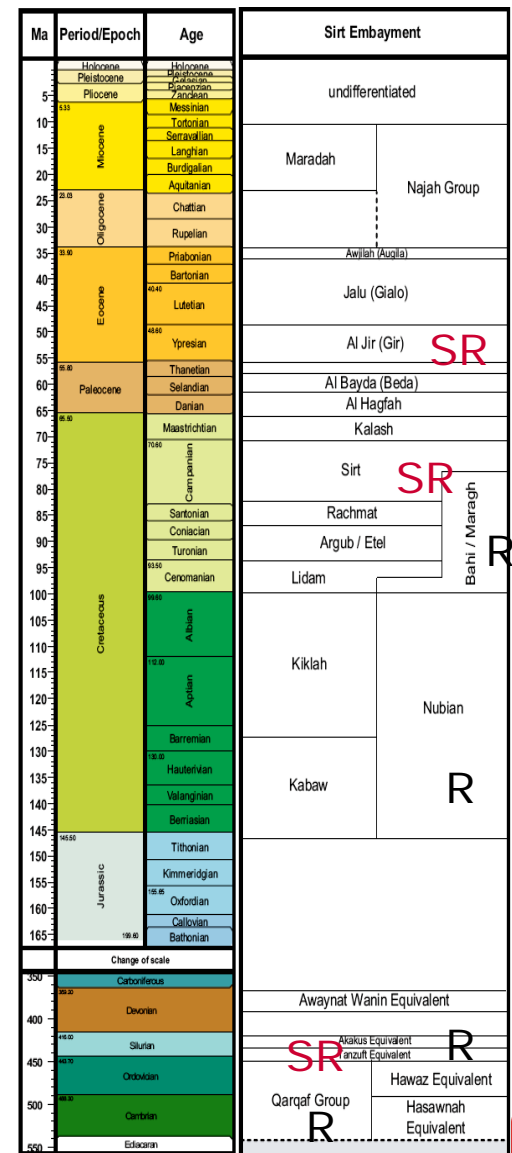


Contract Area (22) Blocks 1, 2, 3 & 4

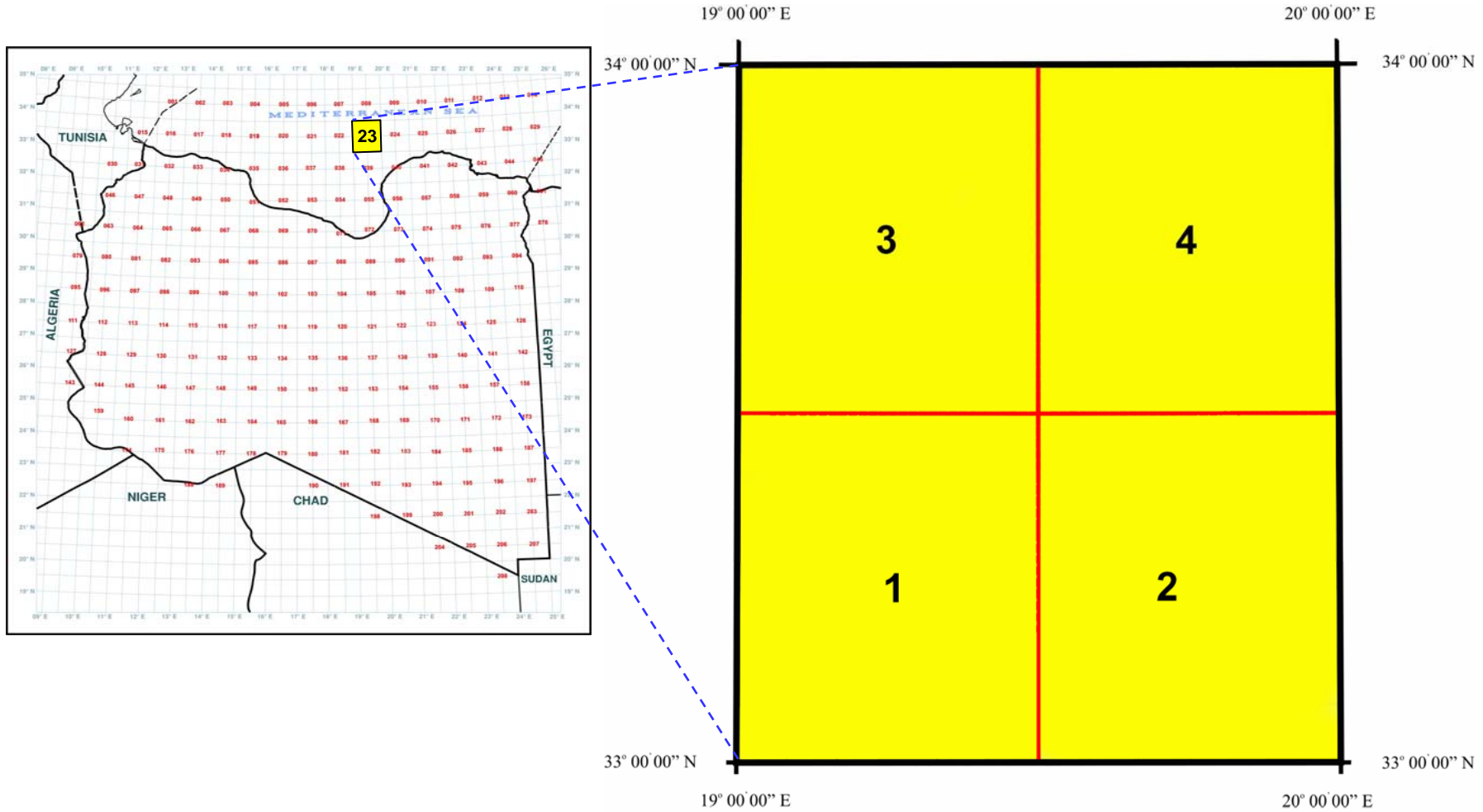


Contract Area (22) Blocks 1, 2, 3 & 4

Open Surface area	10,304 sq km
Drilled Wells	none
Water Depth	>2000 m
Potential Reservoirs	U. Cretaceous Aptian-Albian Paleozoic
Source Rocks	U. Cretaceous Shales Aptian-Albian Shales Jurassic Paleozoic
Seals	U. Cretaceous Shales Paleozoic Shales
Play Concepts	Carbonate build-ups Faulted Structural closures.
Acquired Seismic	CGG Spec Data
Production facilities	Remote

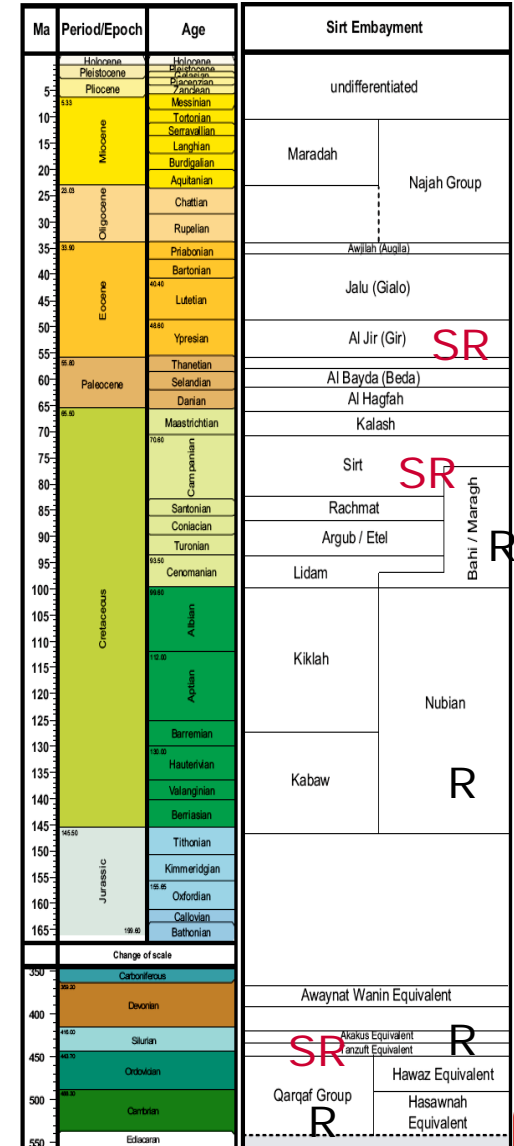


Contract Area (23) Blocks 1, 2, 3 & 4

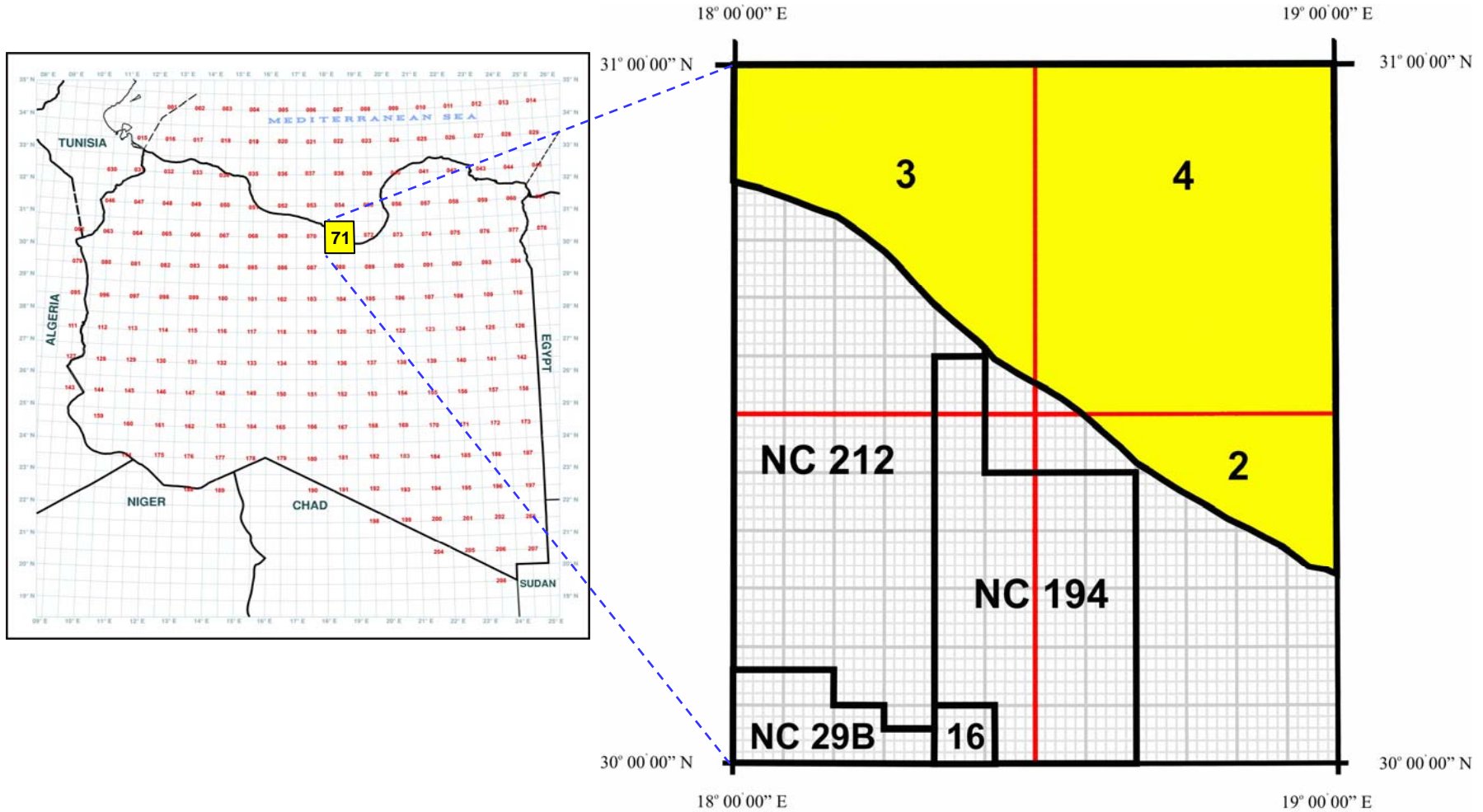


Contract Area (23) Blocks 1, 2, 3 & 4

Open Surface area	10,312 sq km
Drilled Wells	none
Water Depth	> 2000 m
Potential Reservoirs	U. Cretaceous Aptian-Albian Paleozoic
Source Rocks	U. Cretaceous Shales Aptian-Albian Shales Jurassic Paleozoic
Seals	U. Cretaceous Shales Paleozoic Shales
Play Concepts	Carbonate build-ups Faulted Structural closures.
Acquired Seismic	CGG Spec Data
Production facilities	Remote



Contract Area (71) Blocks 2, 3 & 4



Contract Area (71) Blocks 2, 3 & 4

Open Surface area	4,731 sq km.
Drilled Wells	B1-87, F1- 87, G1-87 and H1-87 and C1-87
Water Depth	0 – 250 m
Potential Reservoirs	Eocene Carbonates Paleocene Carbonates U. Cretaceous Carbonates Basal Sands
Source Rocks	Paleocene Shale U. Cretaceous Shale
Seals	Eocene Shales Paleocene Shales Cretaceous Shales
Play Concepts	Carbonate Build Ups Fault associated closures Shelf Carbonates
Acquired Seismic	2660 km - 2D
Production facilities	Close to Onshore

AGE		LITHO- LOGY	FORMATION
TERTIARY	PRIA- BONIAN		GEDARI
	LUTETIAN		
	YPRESIAN		HON Evp.
			FACHA Dol..
	THANETIAN		KHEIR.
			HARASH DAHRA
DANIAN		BEDA HAGFA Sh.	
UPPER CRETACEOUS	MAASTRICHTIAN		KALASH
	CAMPANIAN		TAGRIFT
	SANTONIAN		
	CONIACIAN		ETEL (ANF)
	TURONIAN		LIDAM (DOR)
	CENOMANIAN		BAHI
PRE-UPPER CRETACEOUS			NUBIAN (KIKLA)
			TANEZZUFT
			GARGAF

