



# Kufra Basin

(Locally Called ERDIS Basin)

## Republic of Chad

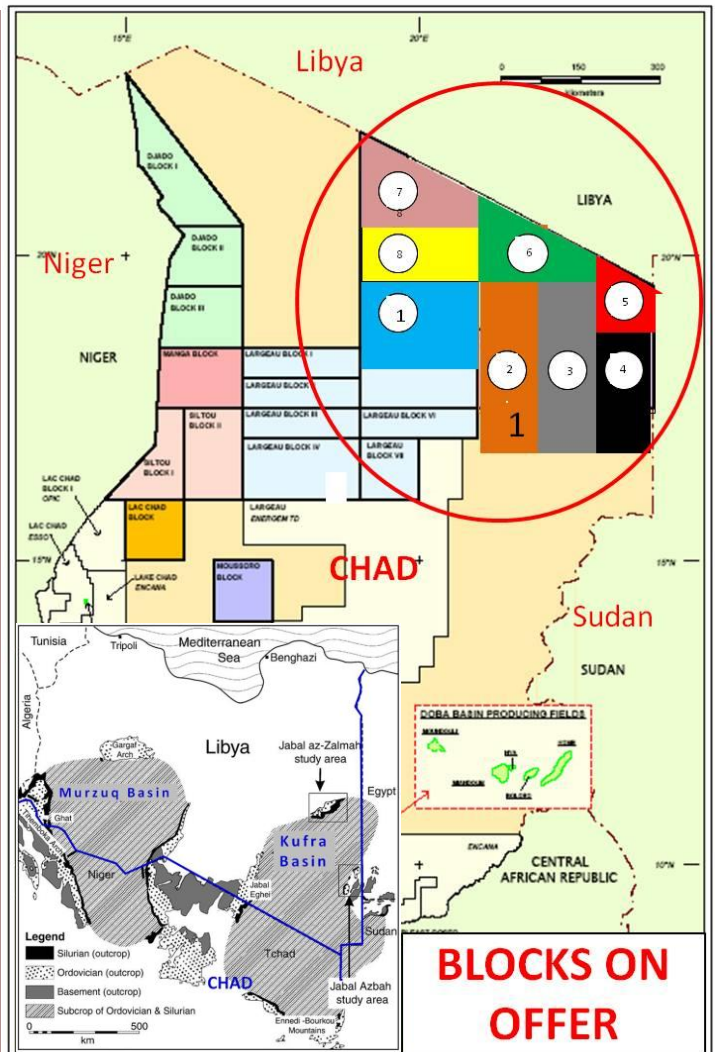


**First Licensing Round Closing on 29<sup>th</sup> Feb., Second LR starts on 9<sup>th</sup> April 2012 in DUBAI**

Opportunity to acquire exploration acreage in an under-explored basin with proven petroleum potential and geology comparable to the nearby, highly productive, Murzuq Basin

PETRO-TEC is offering interested parties the opportunity to join with them in exploring attractive frontier acreage in the north east of Chad

- Eight Blocks on offer (average size 35,000 km<sup>2</sup>), covering the southern part of the under-explored Kufra Basin (known locally as the Erdis Basin)
- High potential frontier area, directly comparable with the prolific Murzuq Basin to the west
- Proven Cambro-Ordovician & Devonian reservoirs. Lower Silurian source rocks & seals
- Proven petroleum province (including oil seeps in Sudan / Libya)
- Technical, commercial and legal information available via an online data room
- Offers due for Direct Negotiation.



## EXPLORATION OPPORTUNITIES IN CHAD

PETRO-TEC is authorised by the Chadian government to market, and seek partners to join with it, in exploring eight new licences in the north-east of Chad, covering the southern part of the under-explored Kufra Basin.

Only four wells have been drilled in the Basin (in its northern part within Libya), however, these along with extensive field studies around the basin margins, indicate a geological development similar to that of the nearby Murzuq Basin where significant hydrocarbon discoveries have been made.

PETRO-TEC is, hence, offering interested parties the opportunity to acquire a substantial foothold in a new, potentially high volume, high reward, frontier play.

## Geological Setting

The Kufra Basin (also known as the Erdis Basin in Chad) is a NE-SW orientated elongate basin, covering ~400,000 km<sup>2</sup>, extending across NE Chad, NW Sudan and SE Libya. The Basin is under-explored, with only four wells drilled in its northern part.

The Kufra Basin is one of several adjacent intracratonic basins across north Africa that show a similar sedimentological and geological history. Together these form a regionally extensive Palaeozoic mega-province containing significant current production and substantial untapped potential.

The Basin is closely comparable to the adjacent Murzuq Basin (where large oil discoveries have been made in Libya), pointing to a common history of source rock deposition, petroleum generation, hydrocarbon migration and trapping. Common play elements include thick Cambro-Ordovician & Devonian reservoir quality sands and Infracambrian & Lower Silurian shales (latter source for 90% of north Africa's Palaeozoic hydrocarbons), providing effective reservoirs, source rocks and seals. Top basement depth within the Chadian part of the Basin is >6 km. [This is proven by seismic data acquired in Blocks 12A & 14 in NW Sudan \(Adjacent to blocks 4 & 5 of ERDIS basin in Chad\).](#)

Although no wells or seismic have been acquired in the Basin in Chad, further north, seismic acquisition has identified tilted fault block structural traps, and four wells (most recent in 2008), although dry, have confirmed similarities with the Murzuq Basin. Oil seeps in several areas prove source rock maturity.

## Attractive Basin Analogues

The adjacent Murzuq Basin contains an estimated 35 billion boe STOIP (21 commercial oil fields) with Upper Ordovician sands in structural/stratigraphic traps sourced by Lower Silurian shales (TOC 5-7%, Oil Gravity 36-45° API), while the more distant Ghadames Basin (Algeria, Tunisia, Libya) is the 2<sup>nd</sup> most important basin in Libya in terms of production.

## Petroleum infrastructure

Current oil production in Chad is from the Doba Basin in the SE of the country, with oil exported via pipeline to Cameroon. Although no oil infrastructure currently exists in northern Chad, potential export routes could be through Libya or Sudan.

## Marketing Process

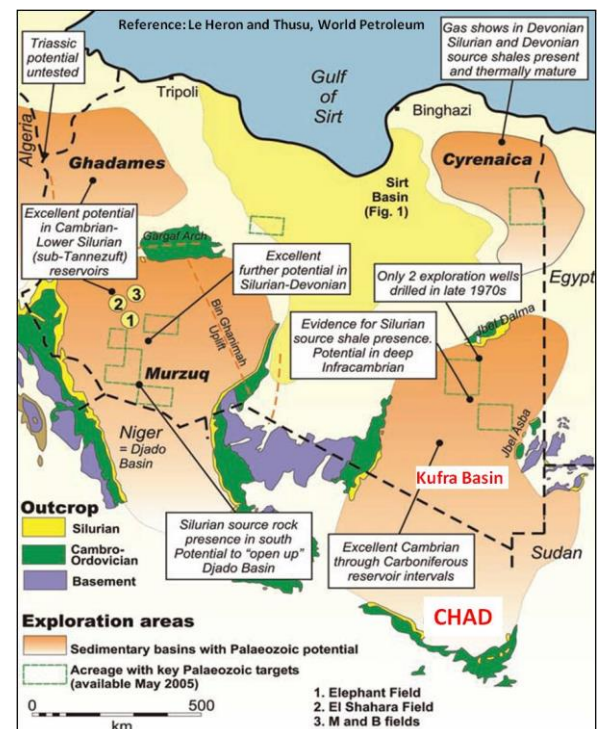
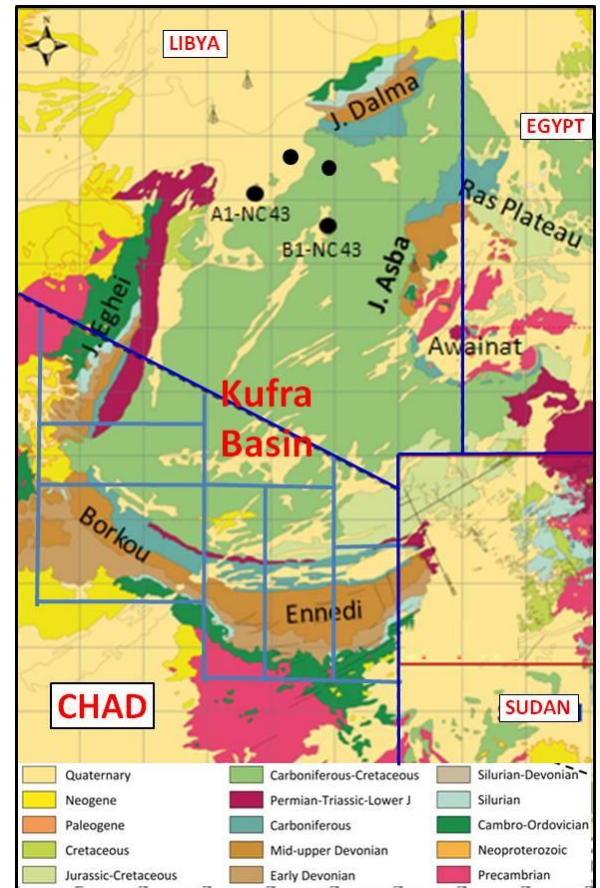
Companies interested to pursue this opportunity further should advise PETRO-TEC at their earliest convenience. Upon signing a CA, further technical and commercial information will be made available. [Very attractive commercial terms are suggested for these blocks.](#) Offers are invited.

## Further Information

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*The information contained herein is illustrative only. It is not warranted and should not be relied on for investment decisions. Interested parties should confirm their evaluation through examination of the original data in the PETRO-TEC data room.*