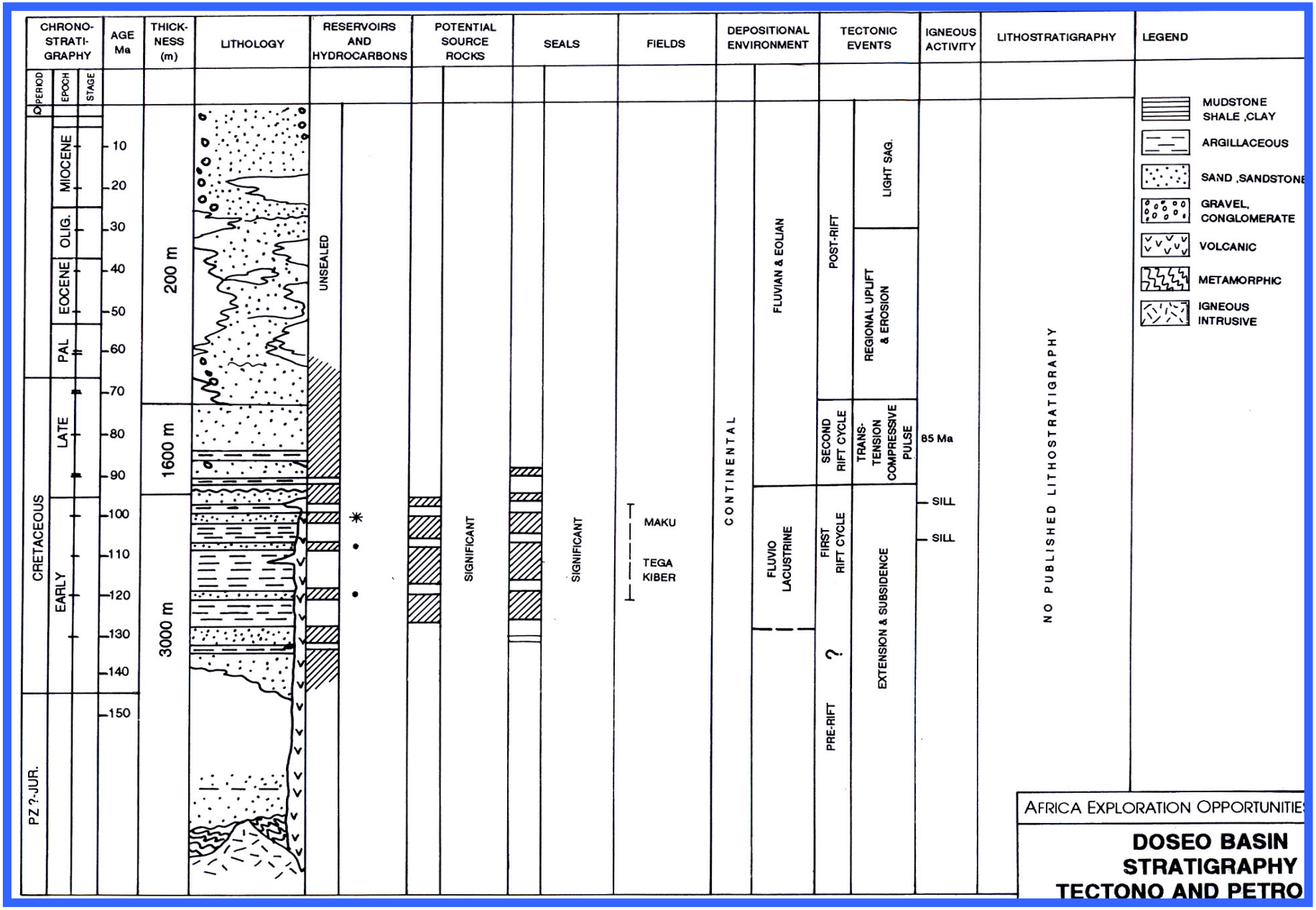



圖4-2-26 Doseo盆地沉積岩層序

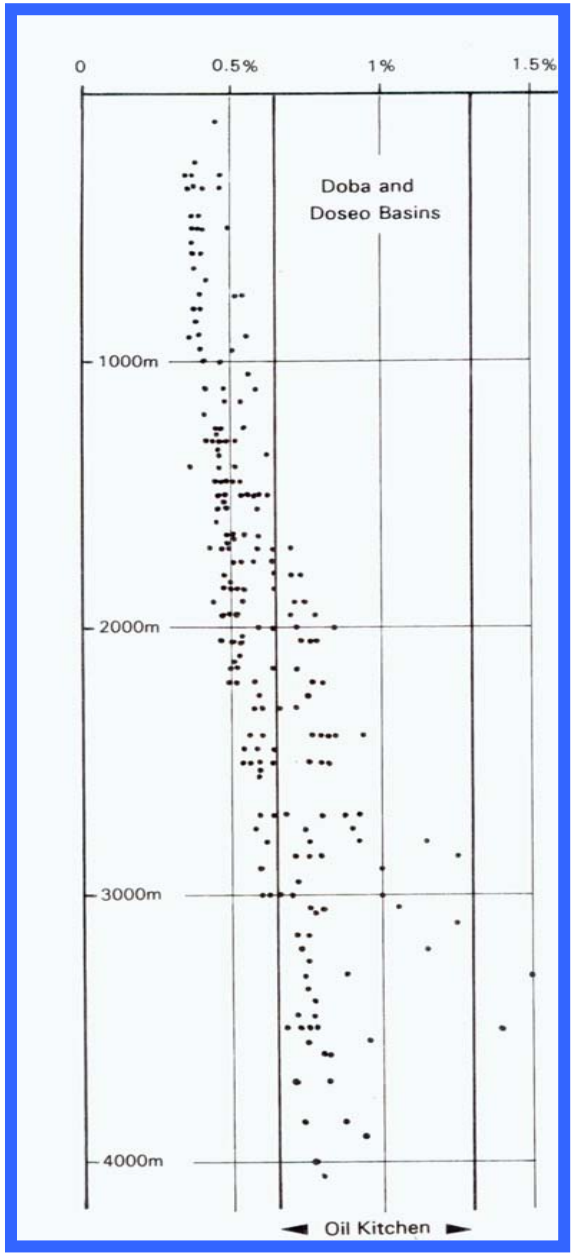



**圖4-2-27 Doseo盆地油窗成熟範圍在2,300到5,000公尺。**

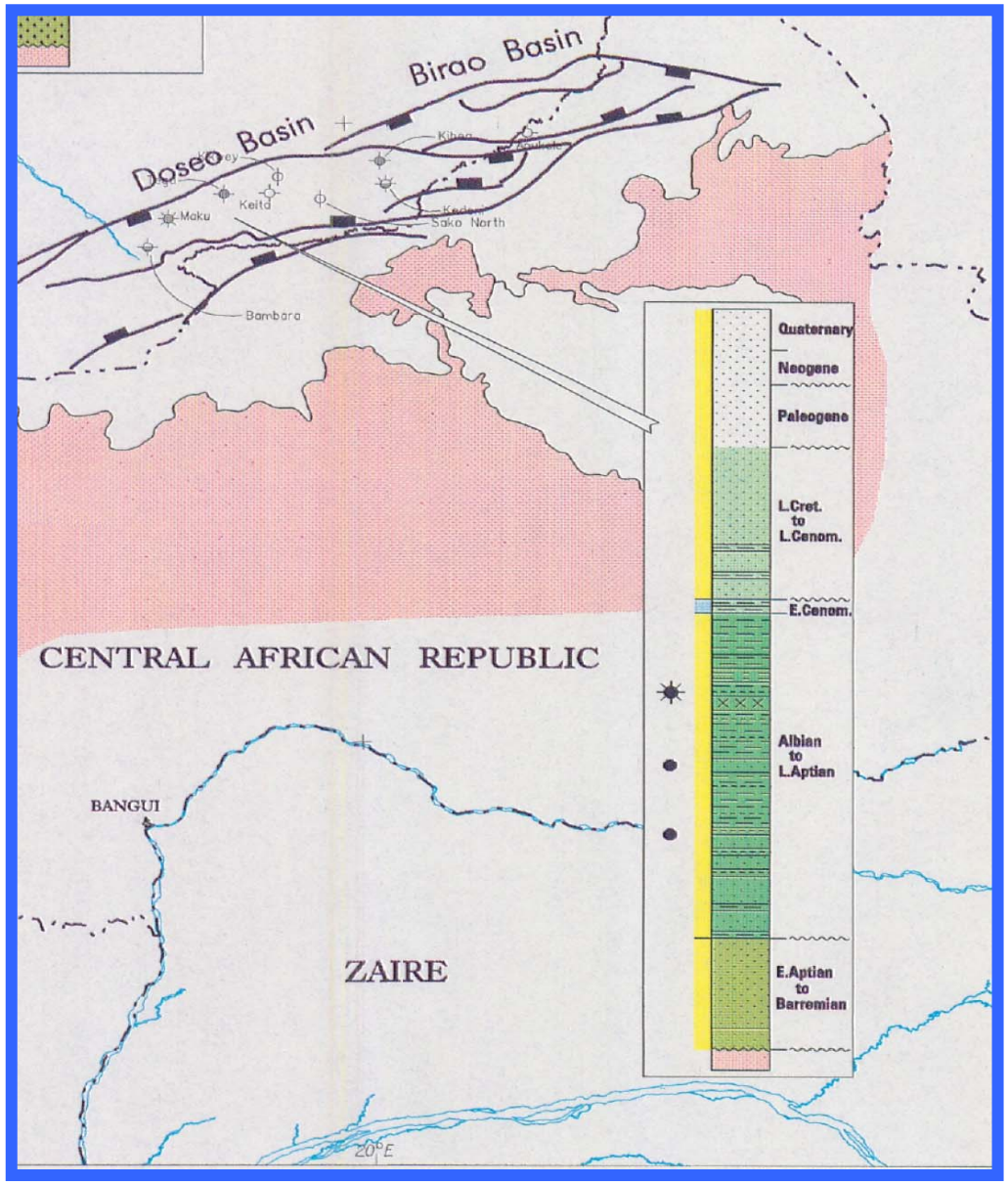



**圖4-2-28 Doseo盆地中之砂岩儲集特性良好，爲由陸相之河流相及湖泊邊緣沉積組成**

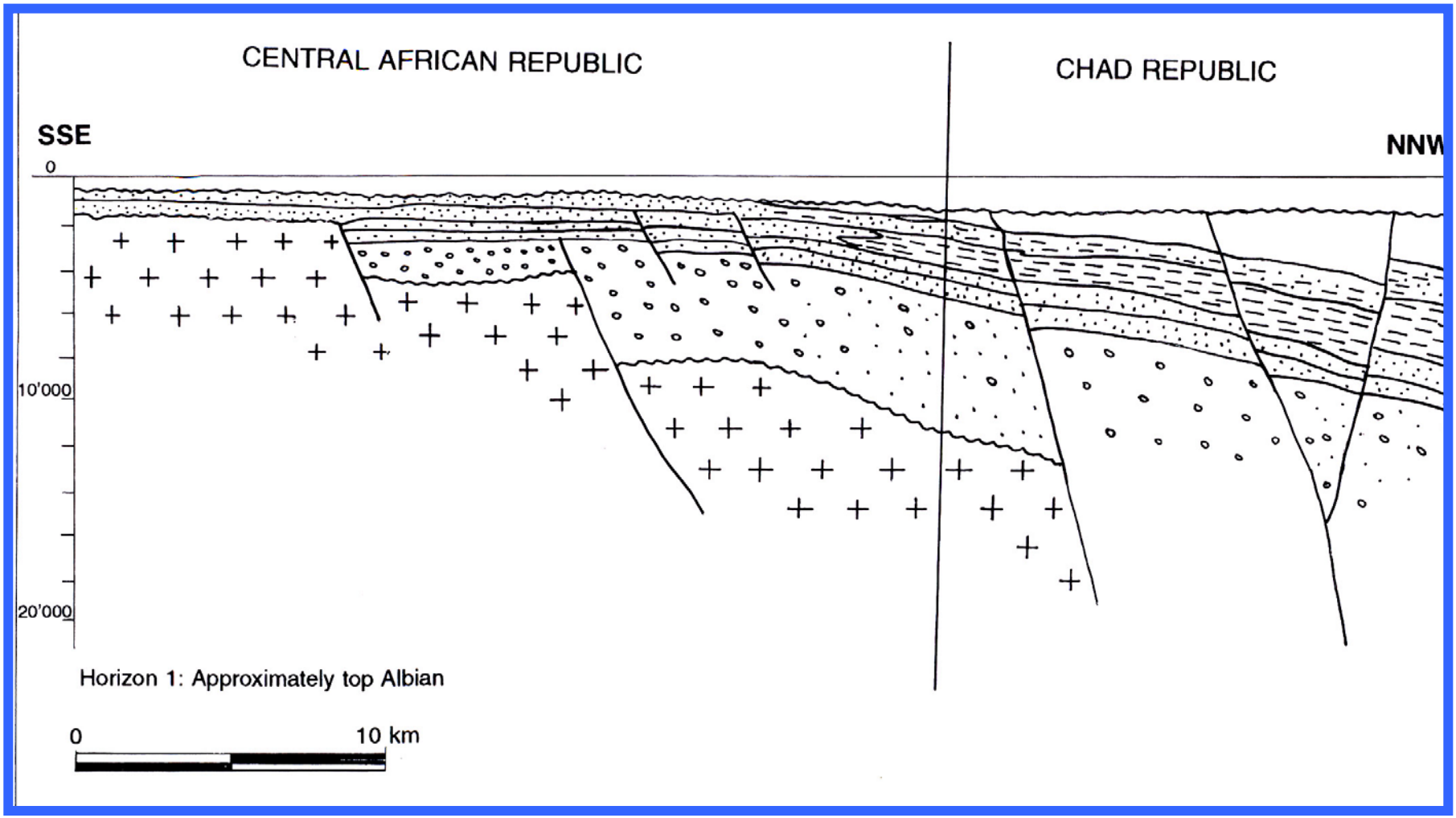



**圖4-2-29** 本盆地屬於半地塹盆地，盆地由中非共合國向查德方向逐次加深，沉積物並逐次加厚，因此有利之油氣盆地位置應在查德。

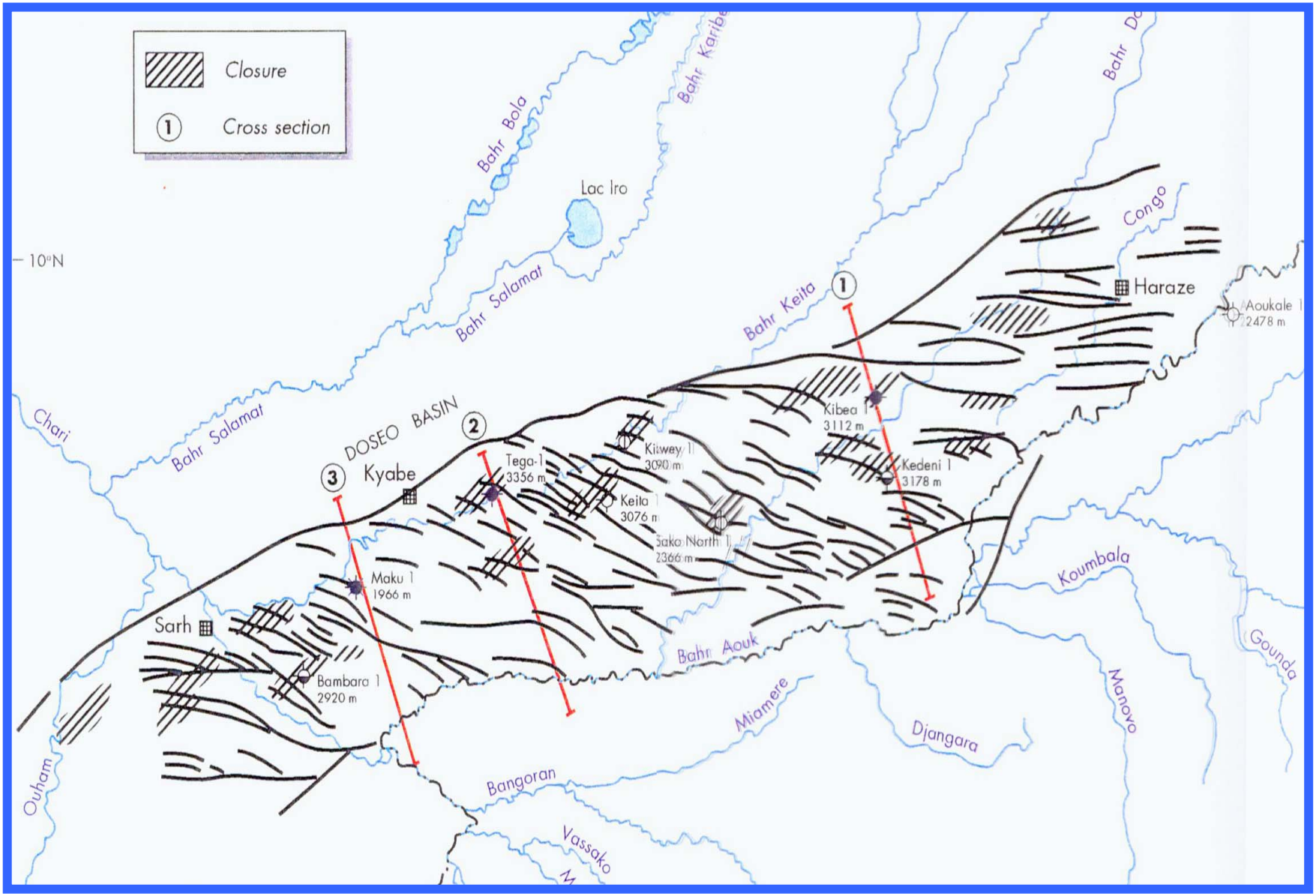
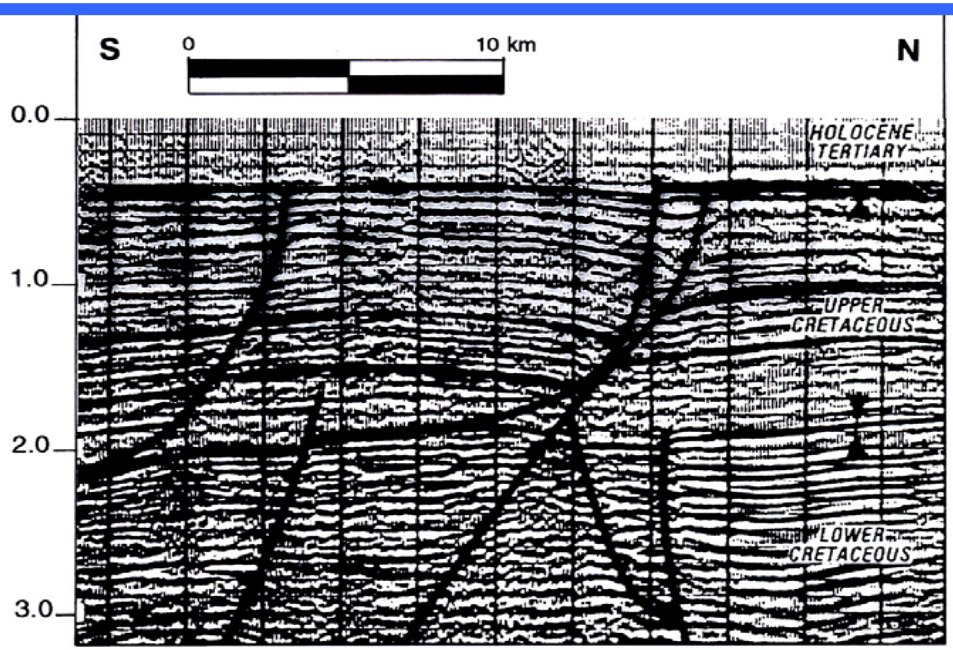



**圖4-2-30** 由於此盆地係因二條東北-西南方向之大斷層剪切而成，因而形成了許多菱形集雁行排列之構造高區群。



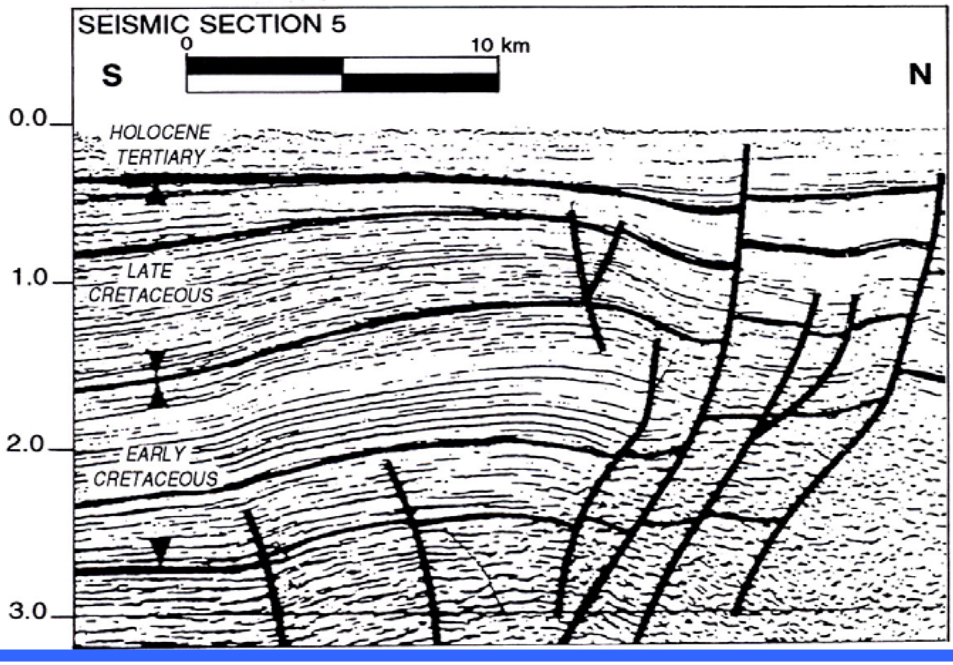




**圖4-2-31** 由於此盆地係因二條東北-西南方向之大斷層剪切而成，因而形成了許多高角度之楔狀構造高區群。

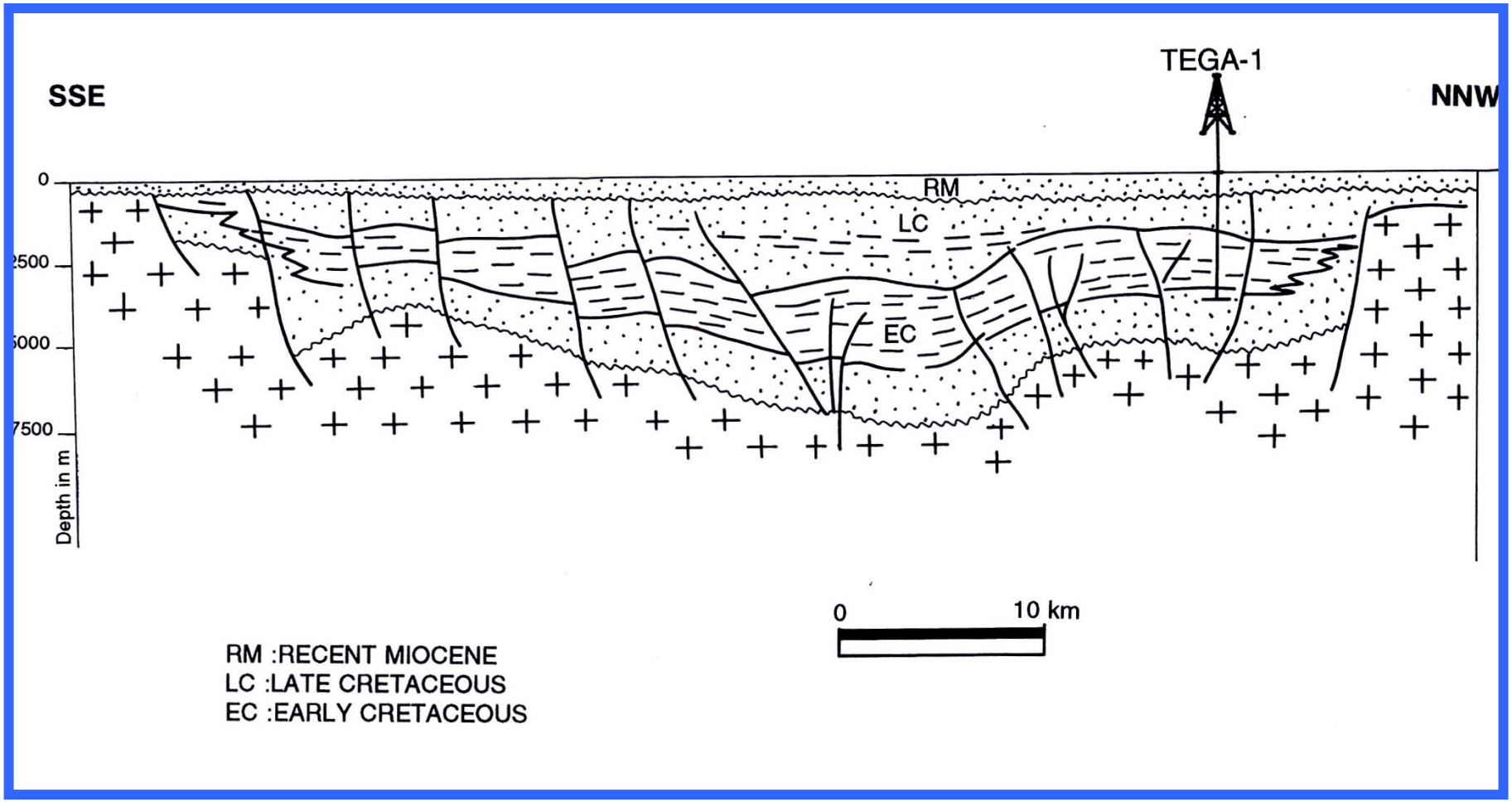



**圖4-2-32** 盆地中之 **Tega構造已證實有30 MMBO之蘊藏量。**

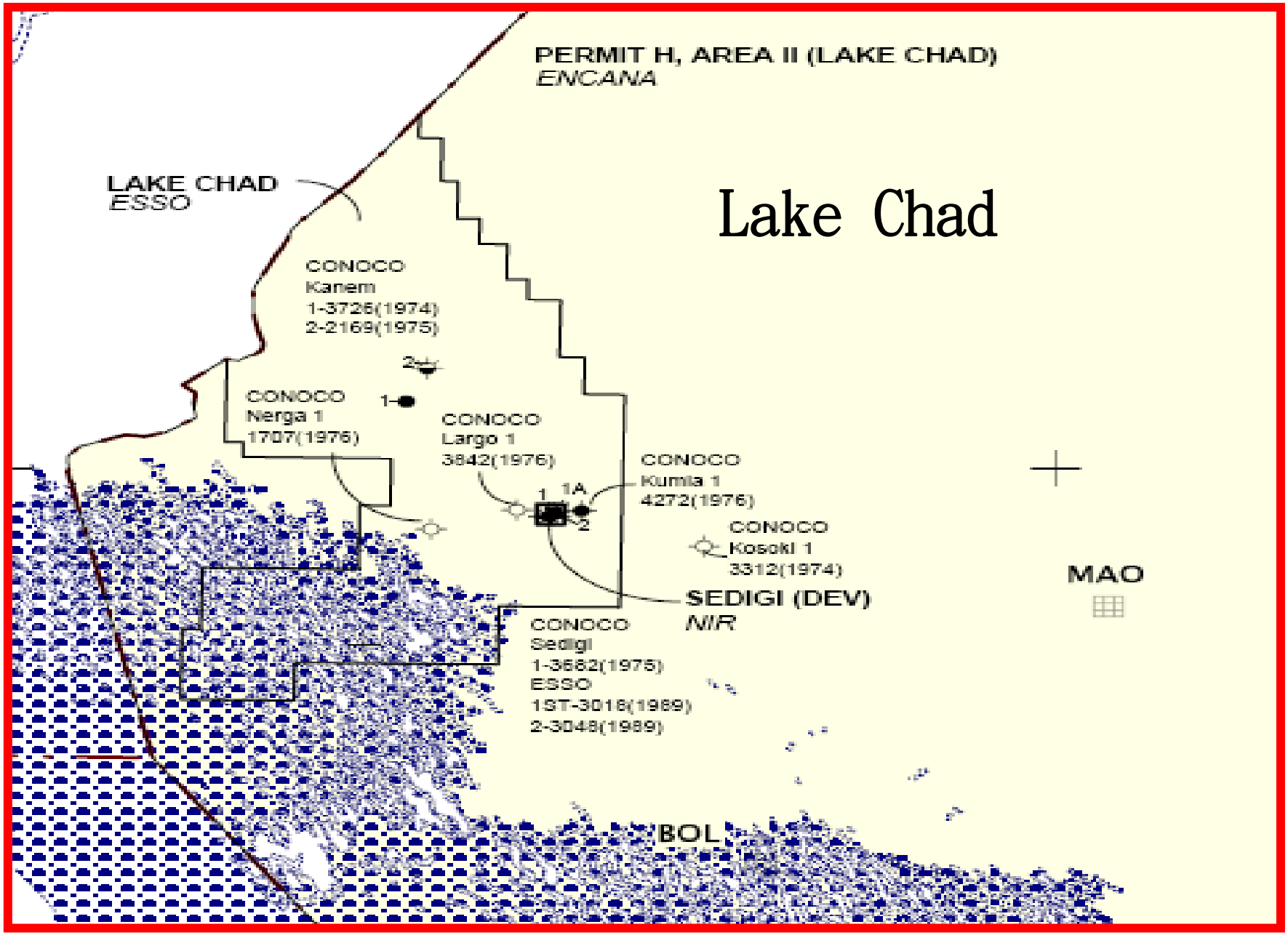



**圖-4-2-33 Lake Chad盆地位於Chad之南邊Lake Chad之東北側。**

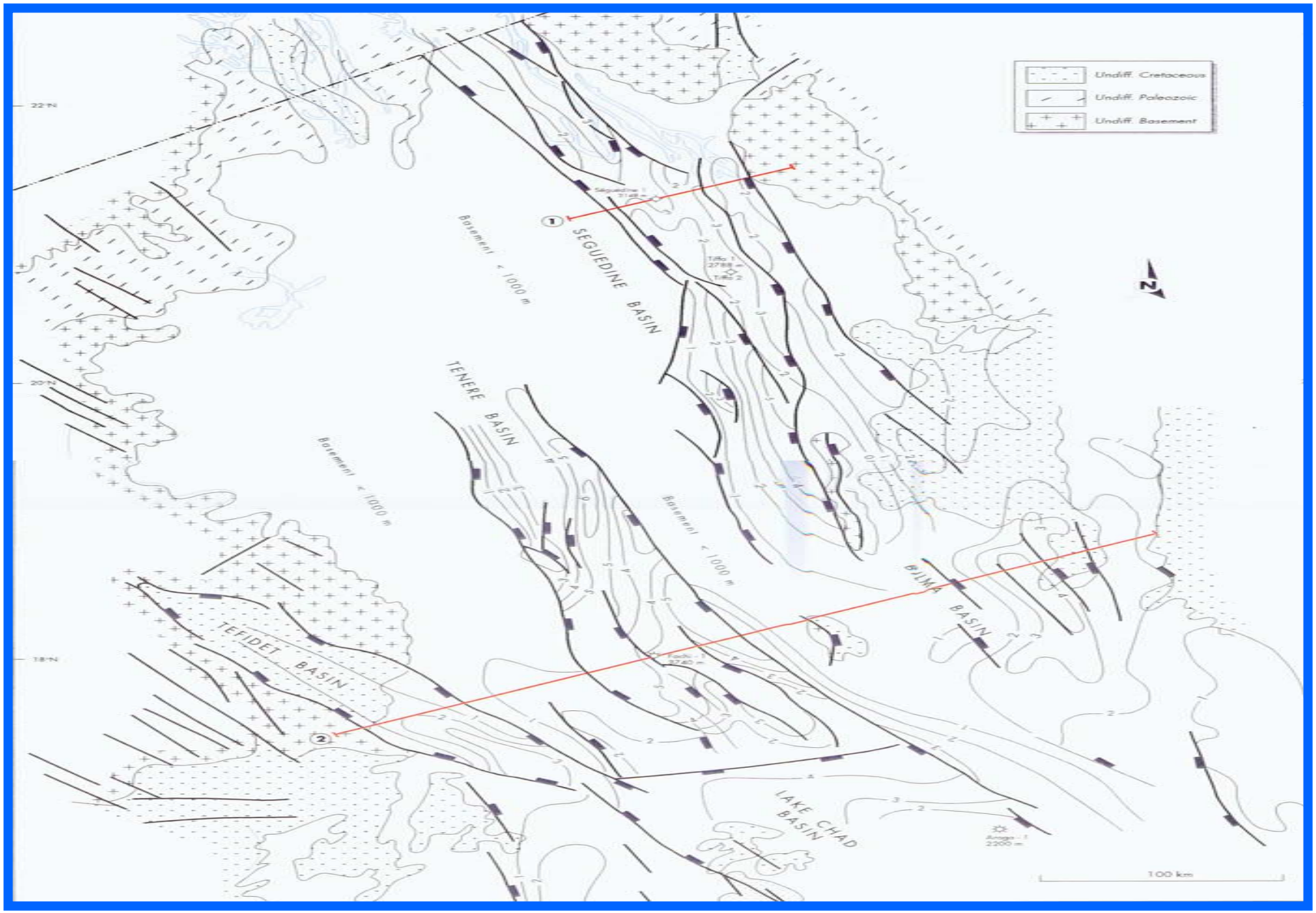



**圖-4-2-34 Lake Chad盆地之可分爲三個小亞盆：Tefidet、Tenere及Bilma-Seguedine，大多沿Benue左移轉移斷層之N60°E方向分佈。**

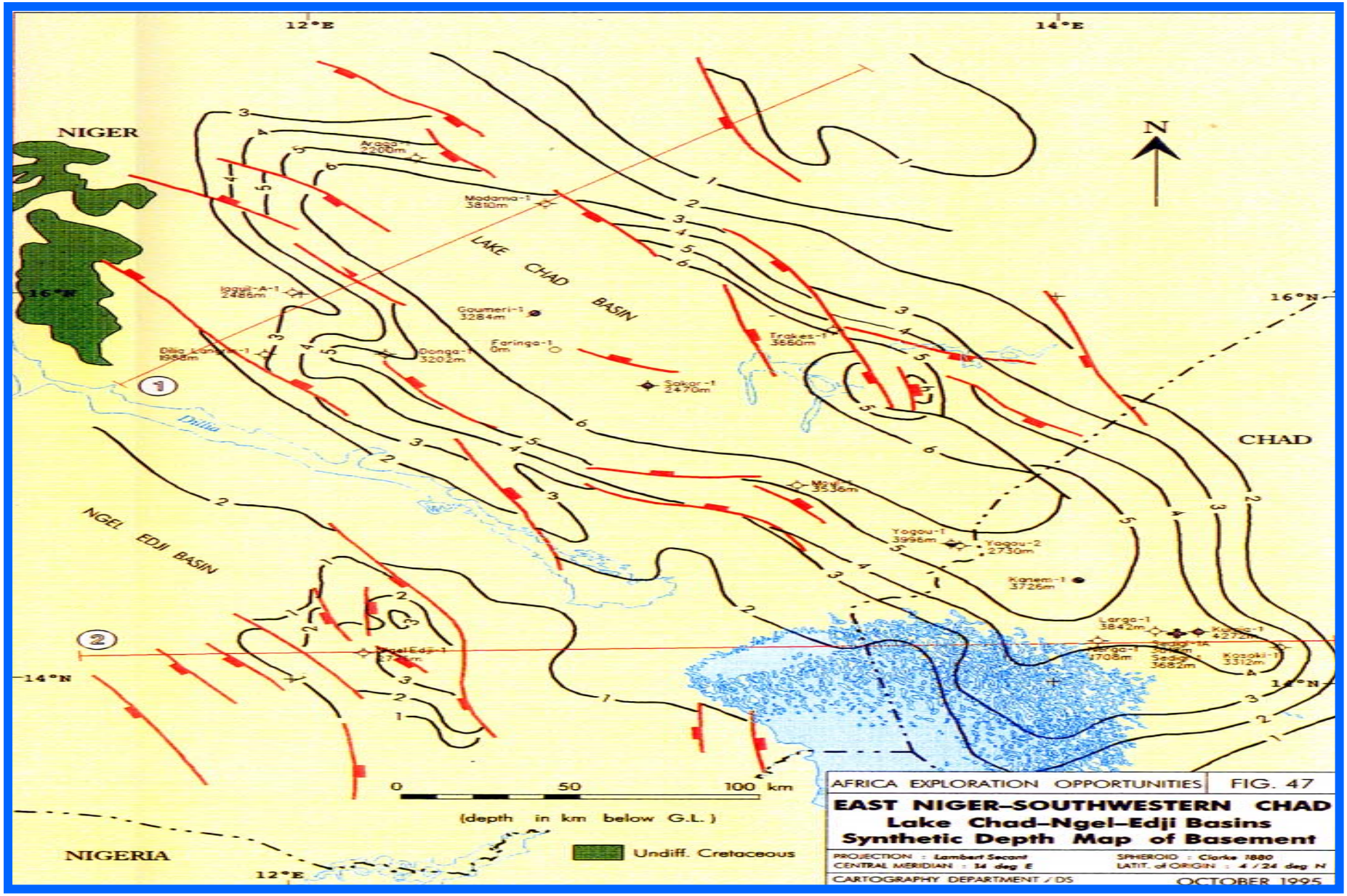



**圖-4-2-35** 由重力圖可知，此盆地之基盤深約**6000m** 。

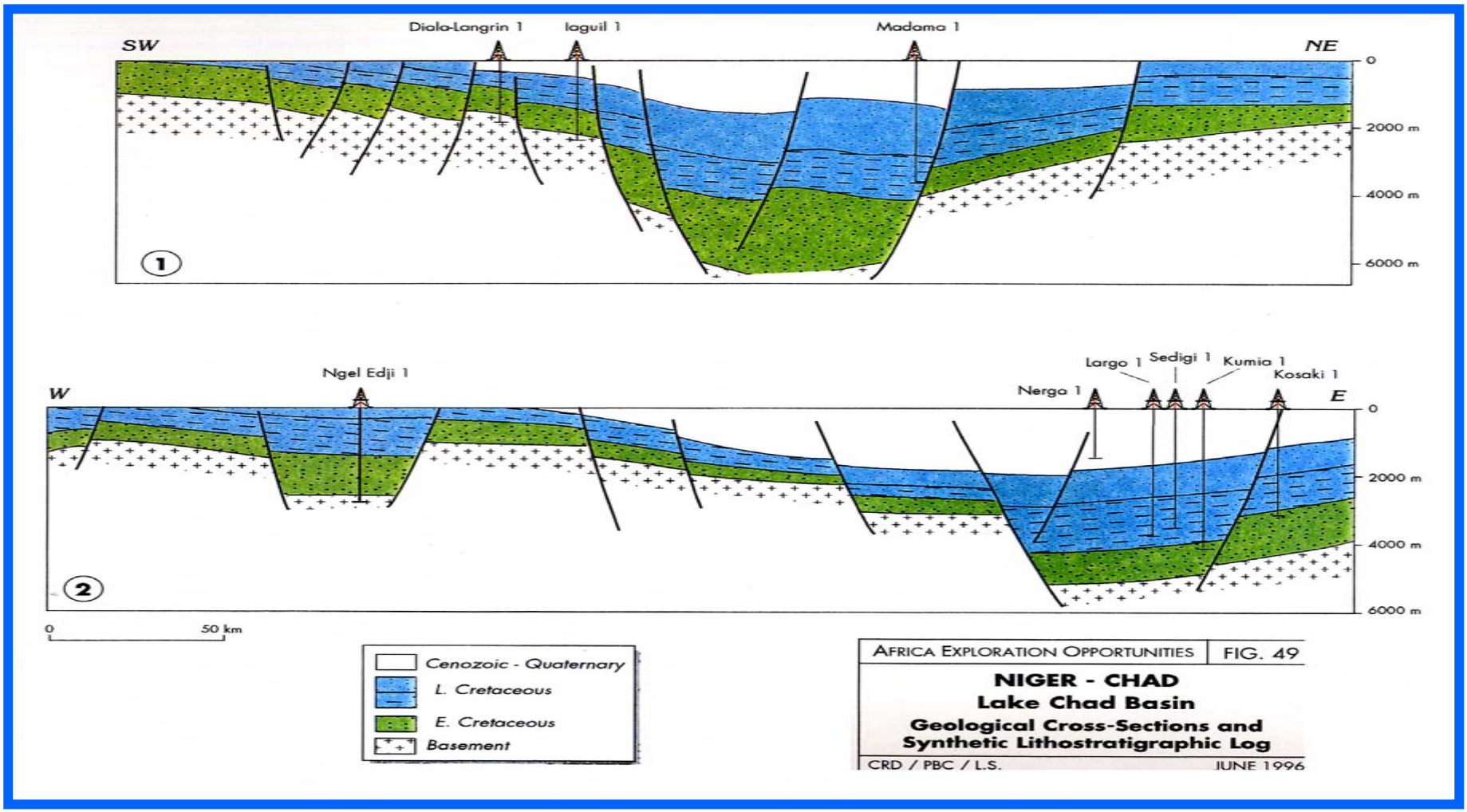



**圖4-2-36** 由剖面看出盆地爲由東向西傾斜一半地塹，

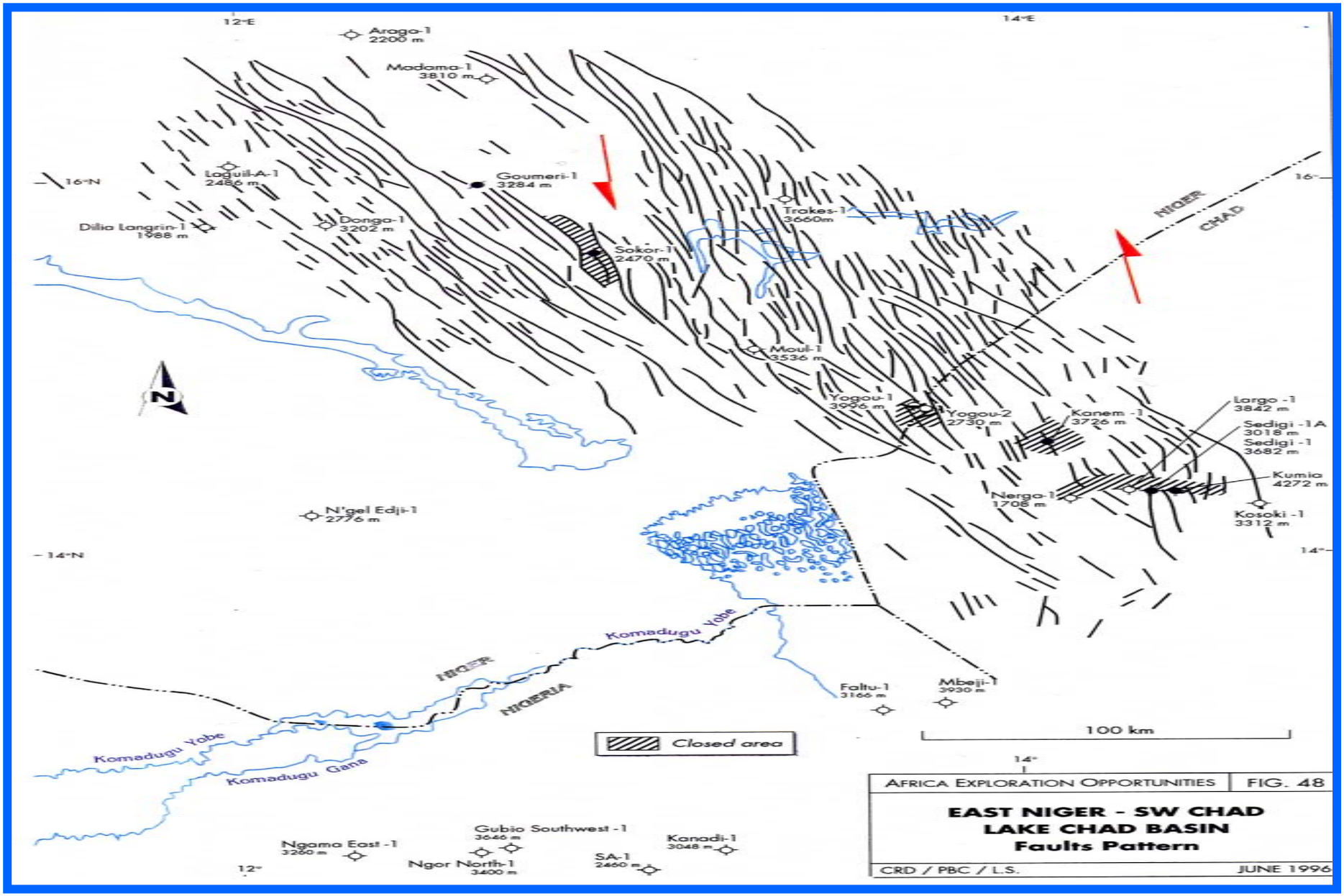



圖4-2-37盆地褶曲構造爲以西北—東南方向爲主之雁行構造群。

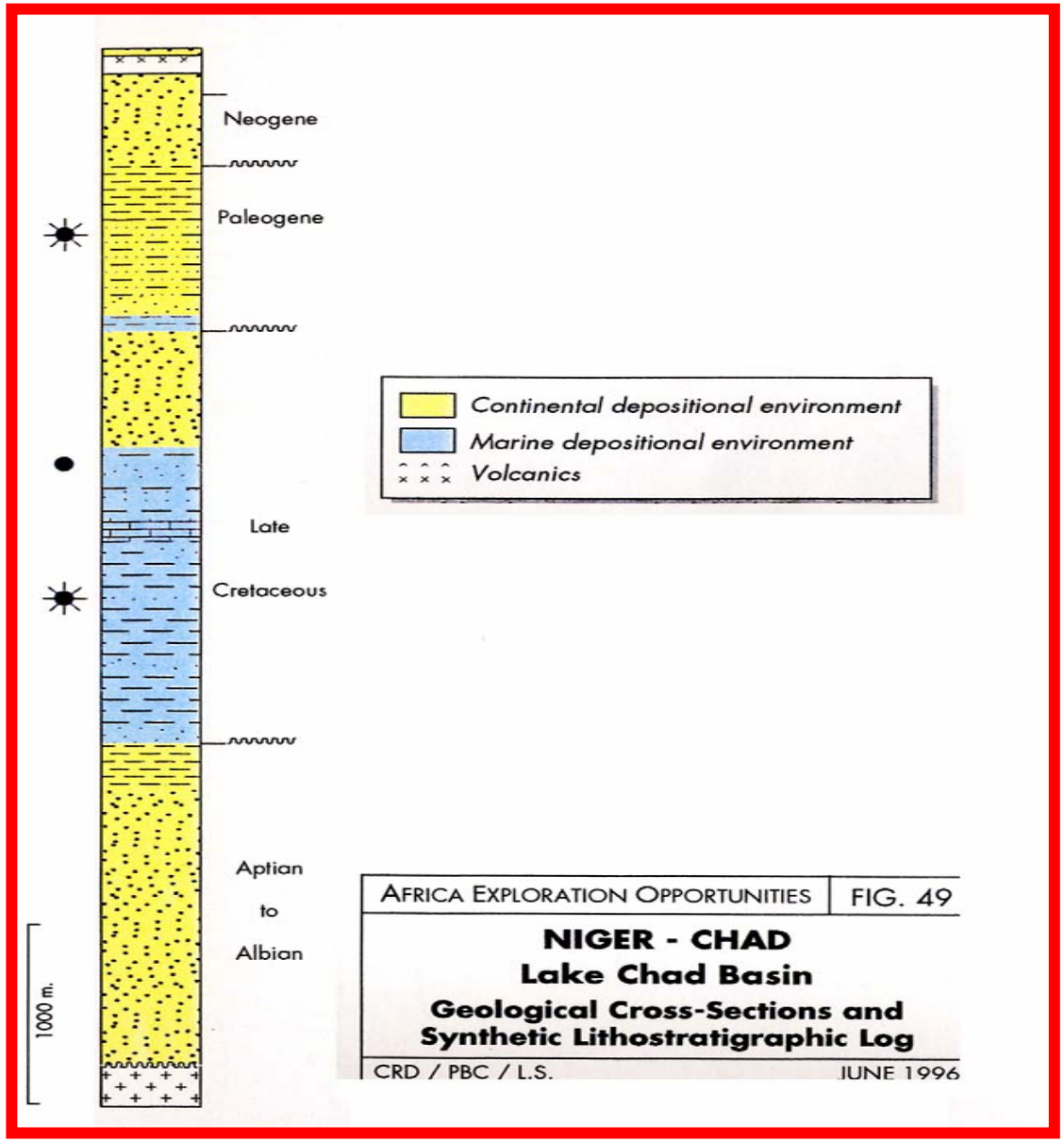



**圖4-2-38 Lake Chad盆地之之岩相**

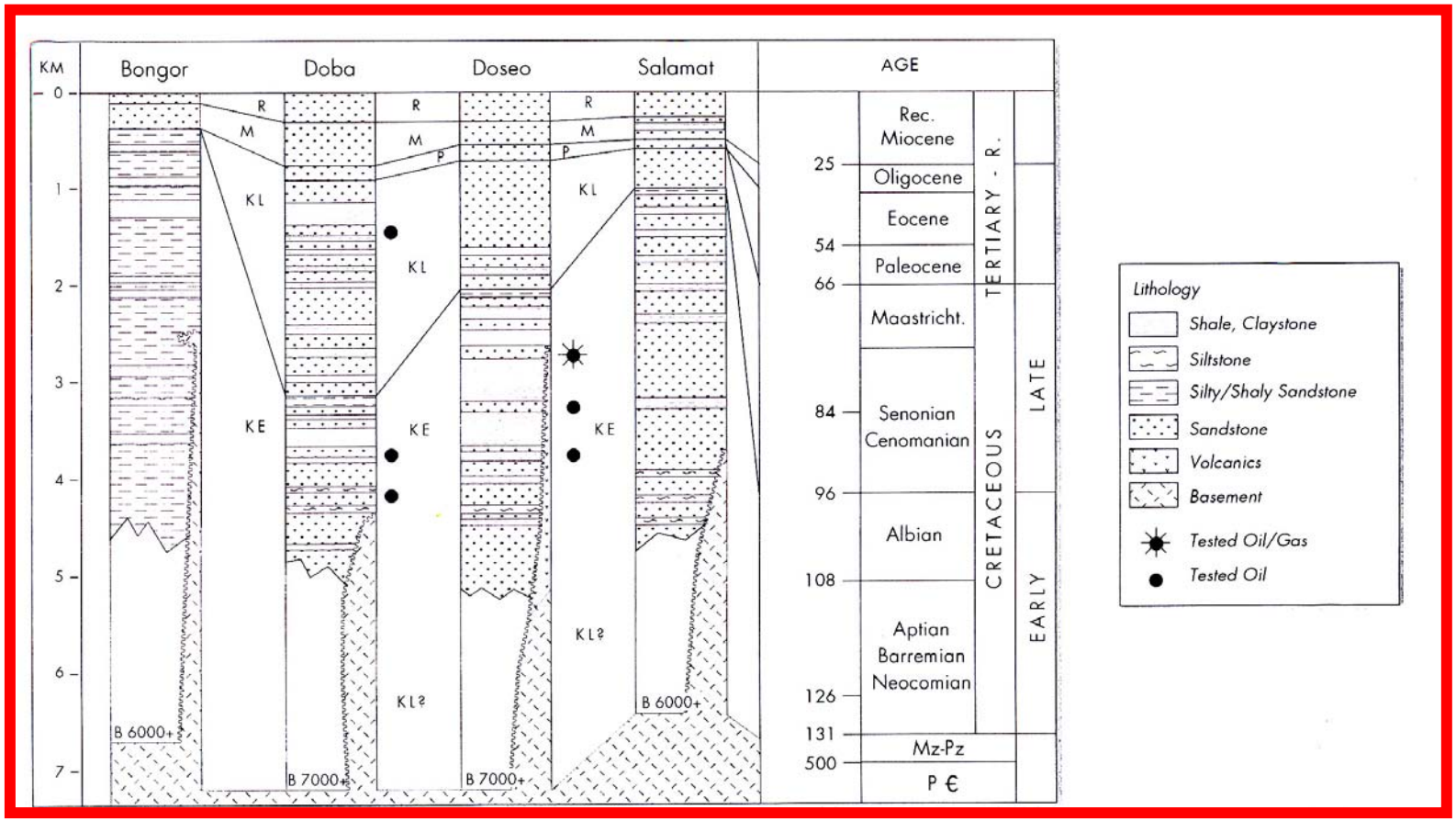
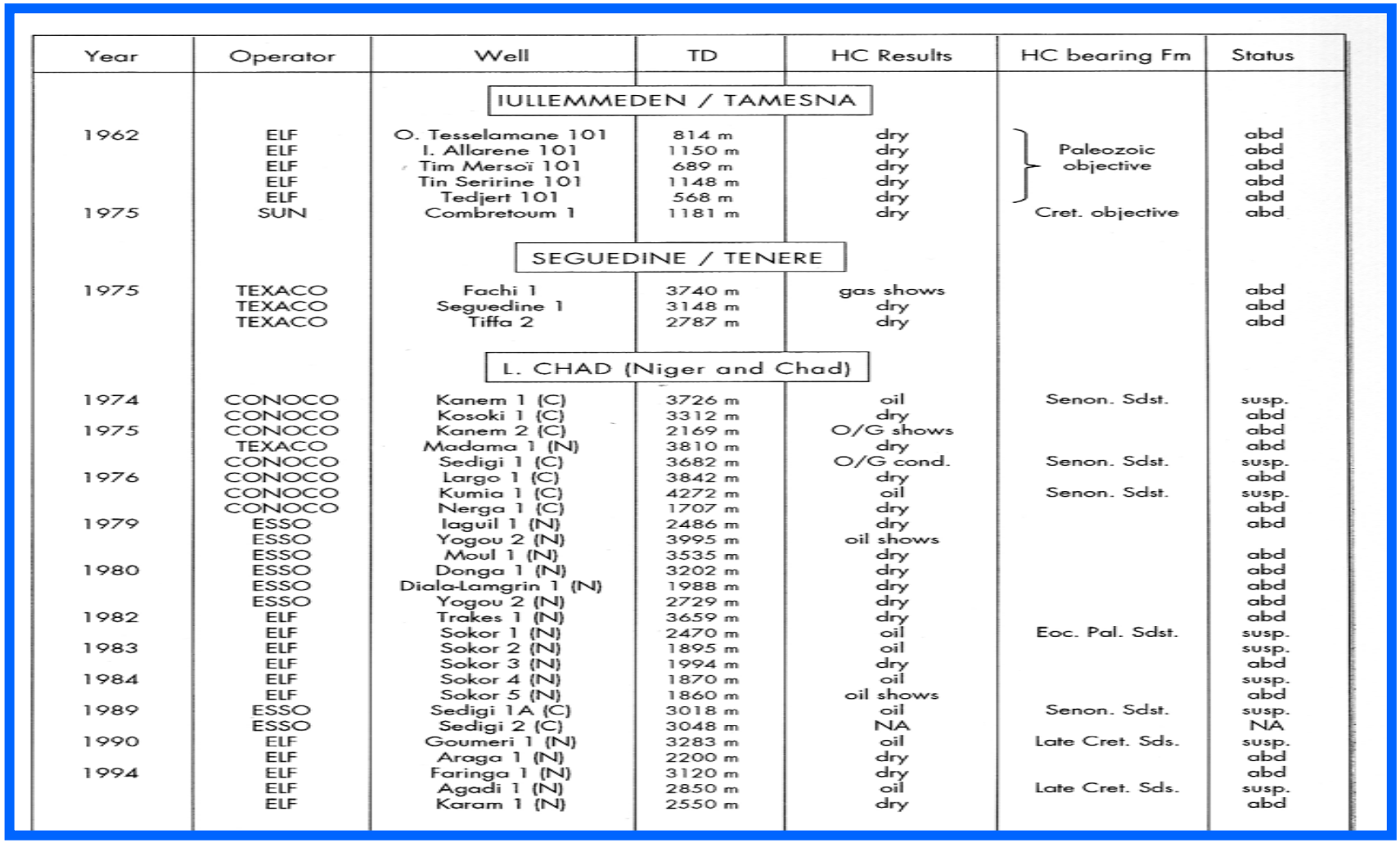



**圖4-2-39 Lake Chad盆地與周圍之其他盆地，可爲相互對比。**



| Year | Operator | Well | TD | HC Results | HC bearing Fm | Status |
|---|---|---|---|---|---|---|
| | | **IULLEMMEDEN / TAMESNA** | | | | |
| 1962 | ELF | O. Tesselamane 101 | 814 m | dry | Paleozoic objective | abd |
| | ELF | I. Allarene 101 | 1150 m | dry | | abd |
| | ELF | Tim Mersoï 101 | 689 m | dry | | abd |
| | ELF | Tin Seririne 101 | 1148 m | dry | | abd |
| | ELF | Tedjert 101 | 568 m | dry | | abd |
| 1975 | SUN | Combretoum 1 | 1181 m | dry | Cret. objective | abd |
| | | **SEGUEDINE / TENERE** | | | | |
| 1975 | TEXACO | Fachi 1 | 3740 m | gas shows | | abd |
| | TEXACO | Seguedine 1 | 3148 m | dry | | abd |
| | TEXACO | Tiffa 2 | 2787 m | dry | | abd |
| | | **L. CHAD (Niger and Chad)** | | | | |
| 1974 | CONOCO | Kanem 1 (C) | 3726 m | oil | Senon. Sdst. | susp. |
| | CONOCO | Kosoki 1 (C) | 3312 m | dry | | abd |
| 1975 | CONOCO | Kanem 2 (C) | 2169 m | O/G shows | | abd |
| | TEXACO | Madama 1 (N) | 3810 m | dry | | abd |
| | CONOCO | Sedigi 1 (C) | 3682 m | O/G cond. | Senon. Sdst. | susp. |
| 1976 | CONOCO | Largo 1 (C) | 3842 m | dry | | abd |
| | CONOCO | Kumia 1 (C) | 4272 m | oil | Senon. Sdst. | susp. |
| | CONOCO | Nerga 1 (C) | 1707 m | dry | | abd |
| 1979 | ESSO | Iaguil 1 (N) | 2486 m | dry | | abd |
| | ESSO | Yogou 2 (N) | 3995 m | oil shows | | |
| | ESSO | Moul 1 (N) | 3535 m | dry | | abd |
| 1980 | ESSO | Donga 1 (N) | 3202 m | dry | | abd |
| | ESSO | Diala-Lamgrin 1 (N) | 1988 m | dry | | abd |
| | ESSO | Yogou 2 (N) | 2729 m | dry | | abd |
| 1982 | ELF | Trakes 1 (N) | 3659 m | dry | | abd |
| | ELF | Sokor 1 (N) | 2470 m | oil | Eoc. Pal. Sdst. | susp. |
| 1983 | ELF | Sokor 2 (N) | 1895 m | oil | | susp. |
| | ELF | Sokor 3 (N) | 1994 m | dry | | abd |
| 1984 | ELF | Sokor 4 (N) | 1870 m | oil | | susp. |
| | ELF | Sokor 5 (N) | 1860 m | oil shows | | abd |
| 1989 | ESSO | Sedigi 1A (C) | 3018 m | oil | Senon. Sdst. | susp. |
| | ESSO | Sedigi 2 (C) | 3048 m | NA | | NA |
| 1990 | ELF | Goumeri 1 (N) | 3283 m | oil | Late Cret. Sds. | susp. |
| | ELF | Araga 1 (N) | 2200 m | dry | | abd |
| 1994 | ELF | Faringa 1 (N) | 3120 m | dry | | abd |
| | ELF | Agadi 1 (N) | 2850 m | oil | Late Cret. Sds. | susp. |
| | ELF | Karam 1 (N) | 2550 m | dry | | abd |

**圖4-2-40 Lake Chad盆地共鉆了24口探勘井，在Lake Chad盆地中有油氣發現 。**

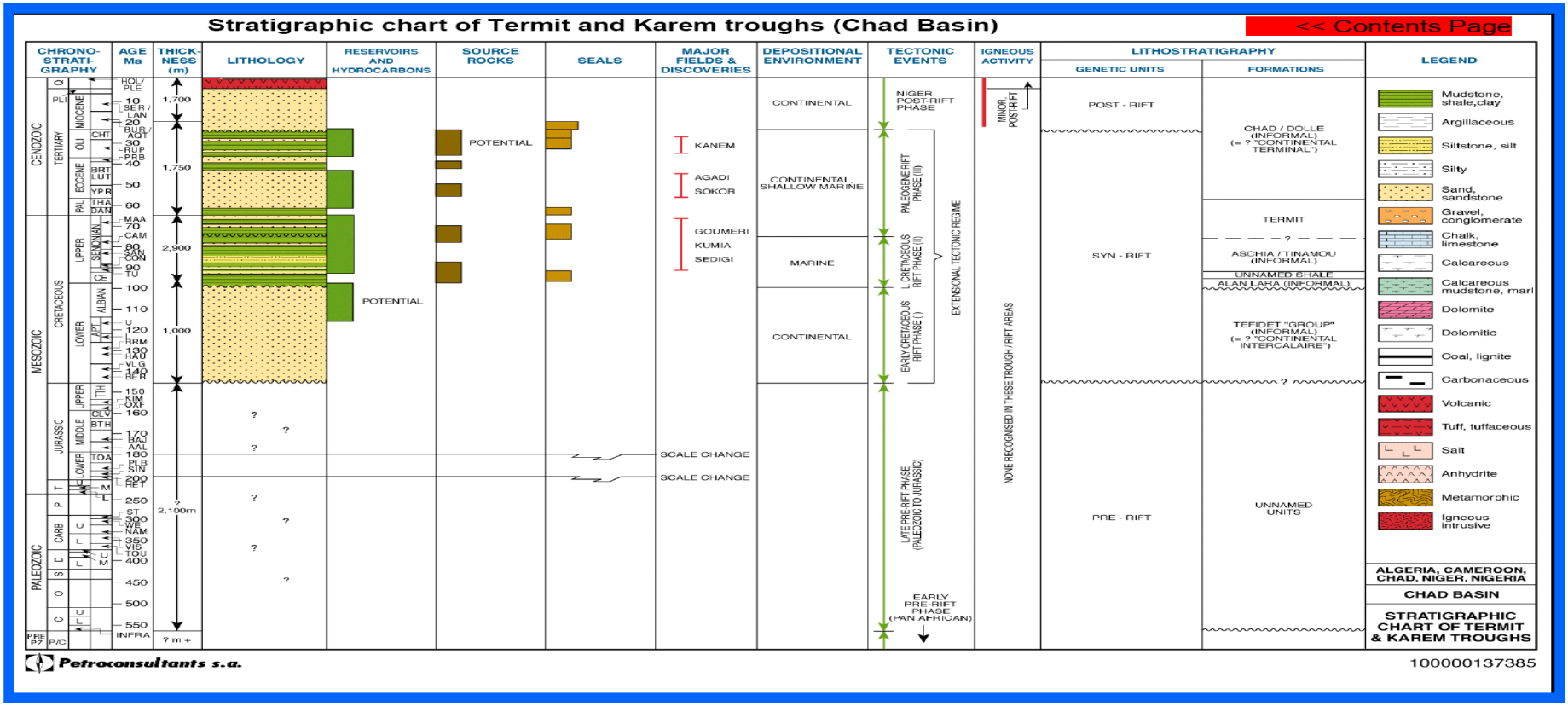



圖4-2-41 Lake Chad盆地之石油聚積系統。

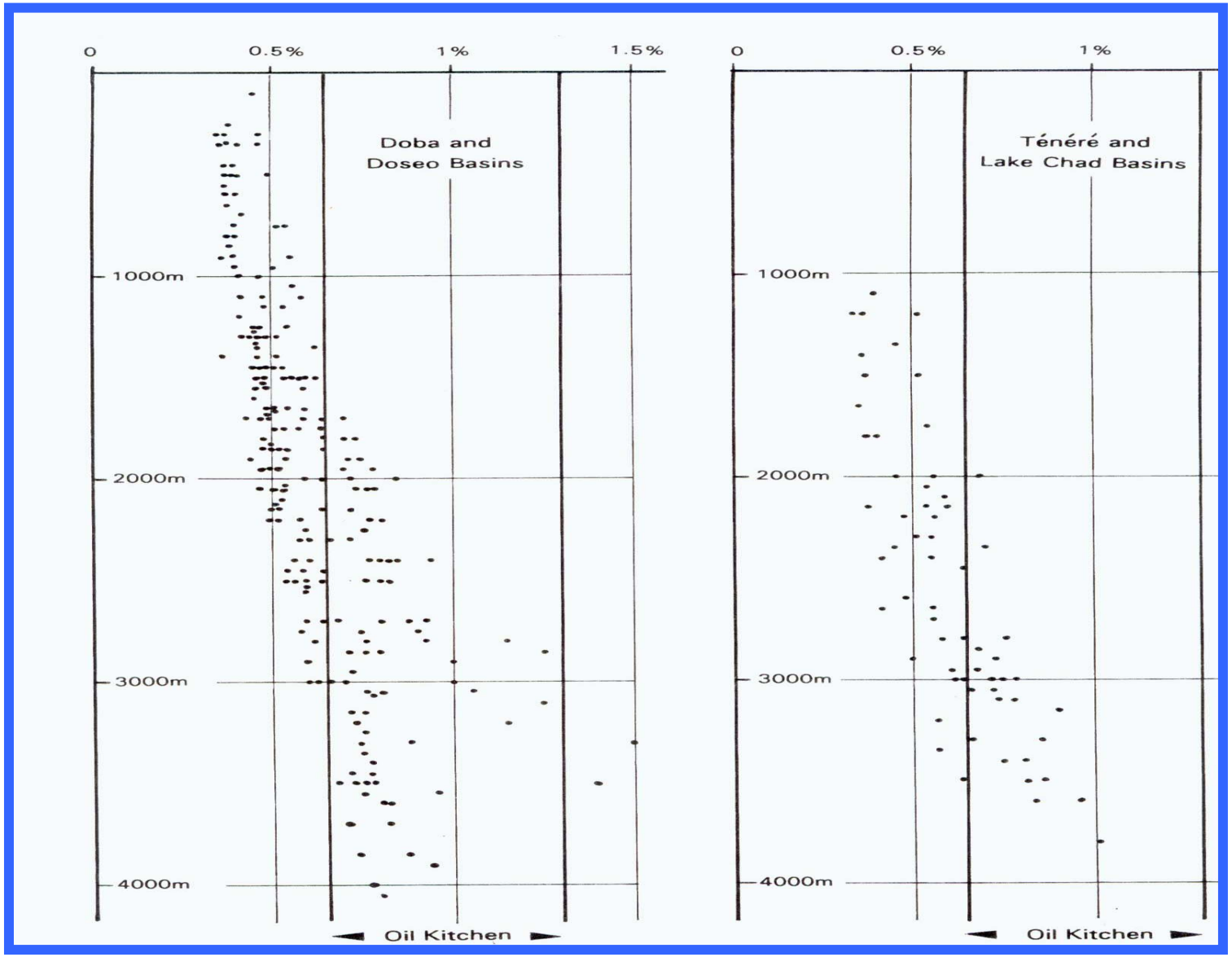



**圖4-2-42 油氣成熟之深度爲介於2000-2500m之間**

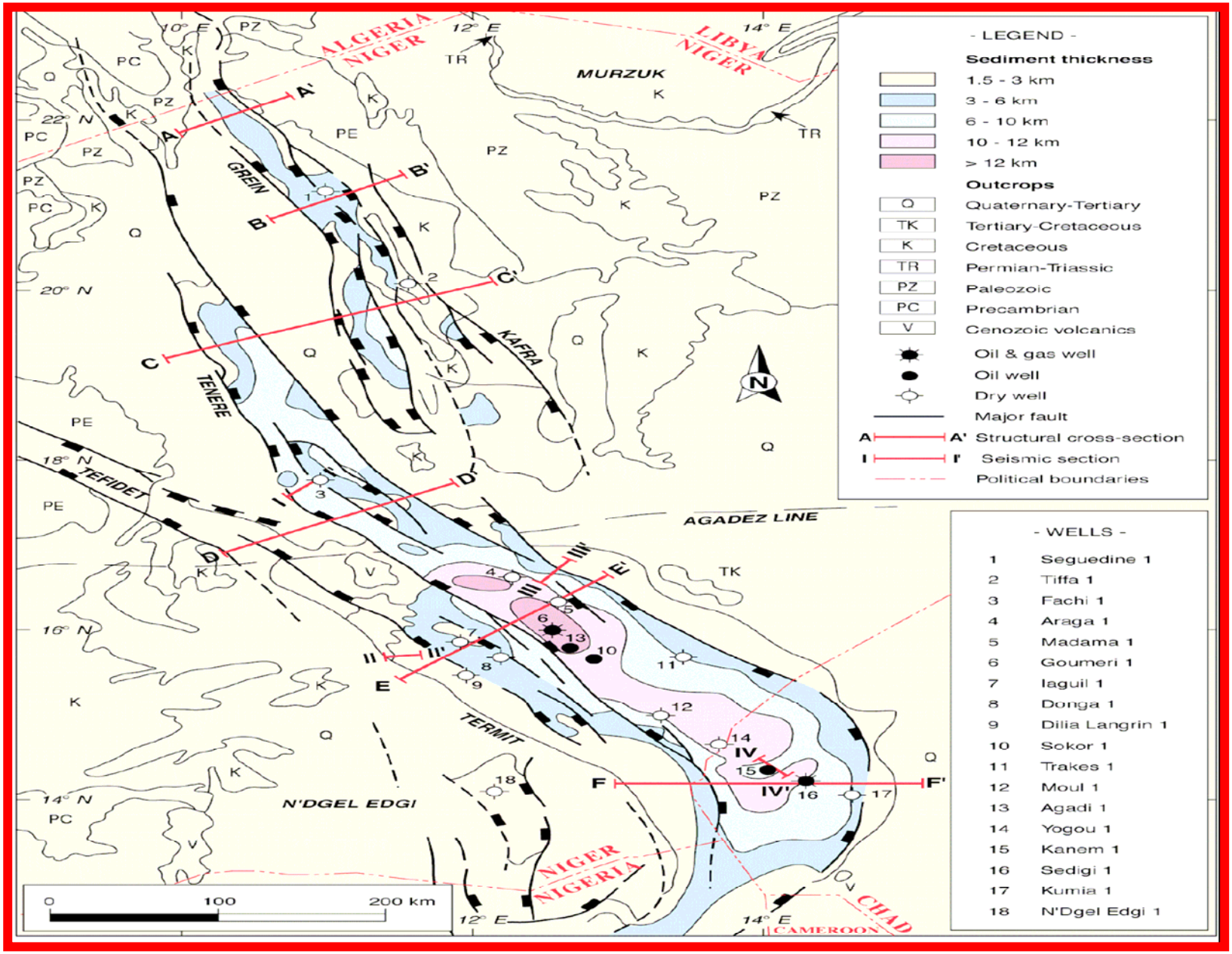



**圖4-2-43** 油氣封閉構造，因兩大斷層以不同方向產生位移，因而形成之雁形正斷層封閉構造。

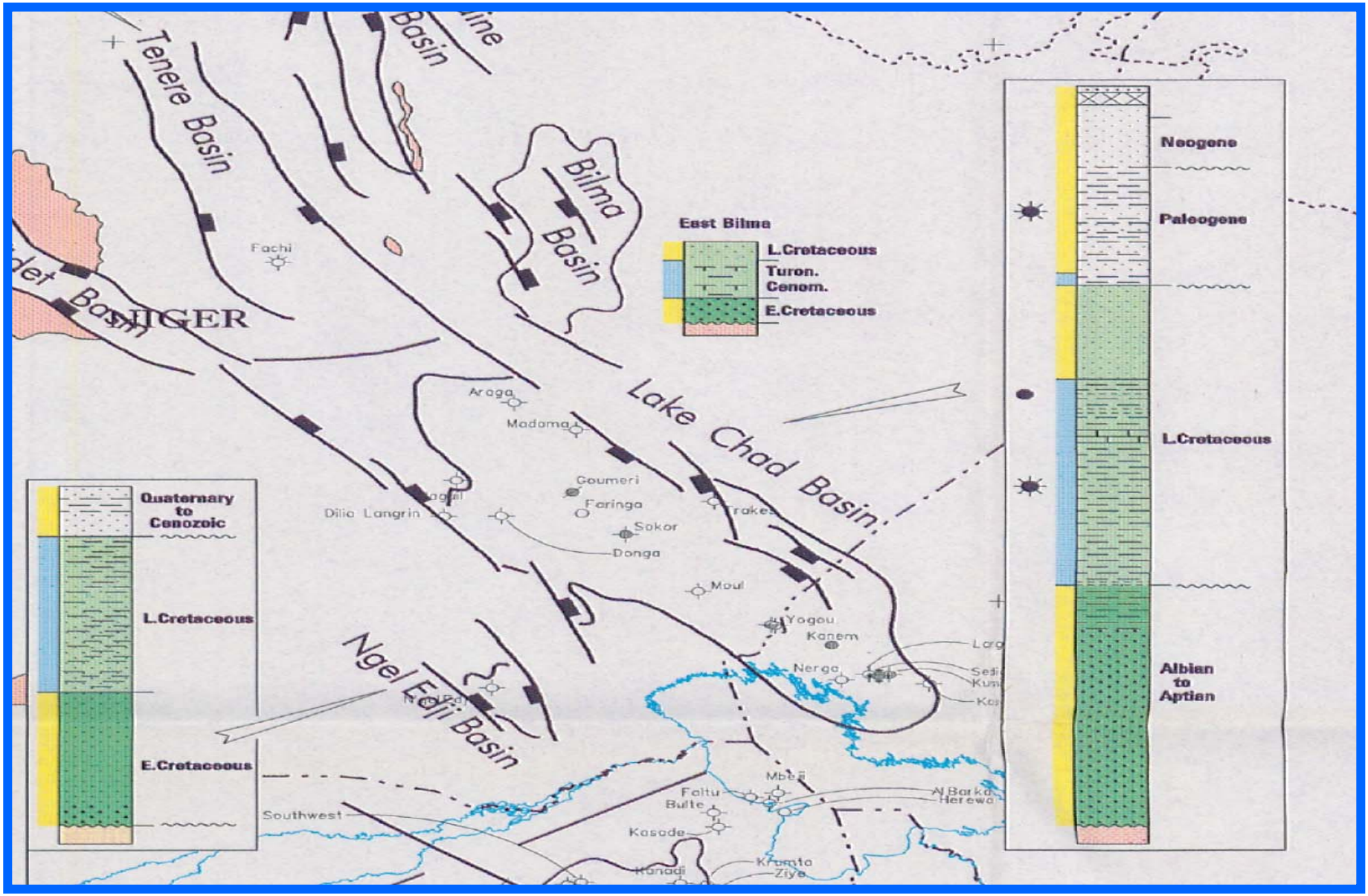



**圖4-2-44 在Lake Chad盆地內已有25 MMb之油氣發現，因此，在類似之構造封閉中，應有可能再找到油氣 。**

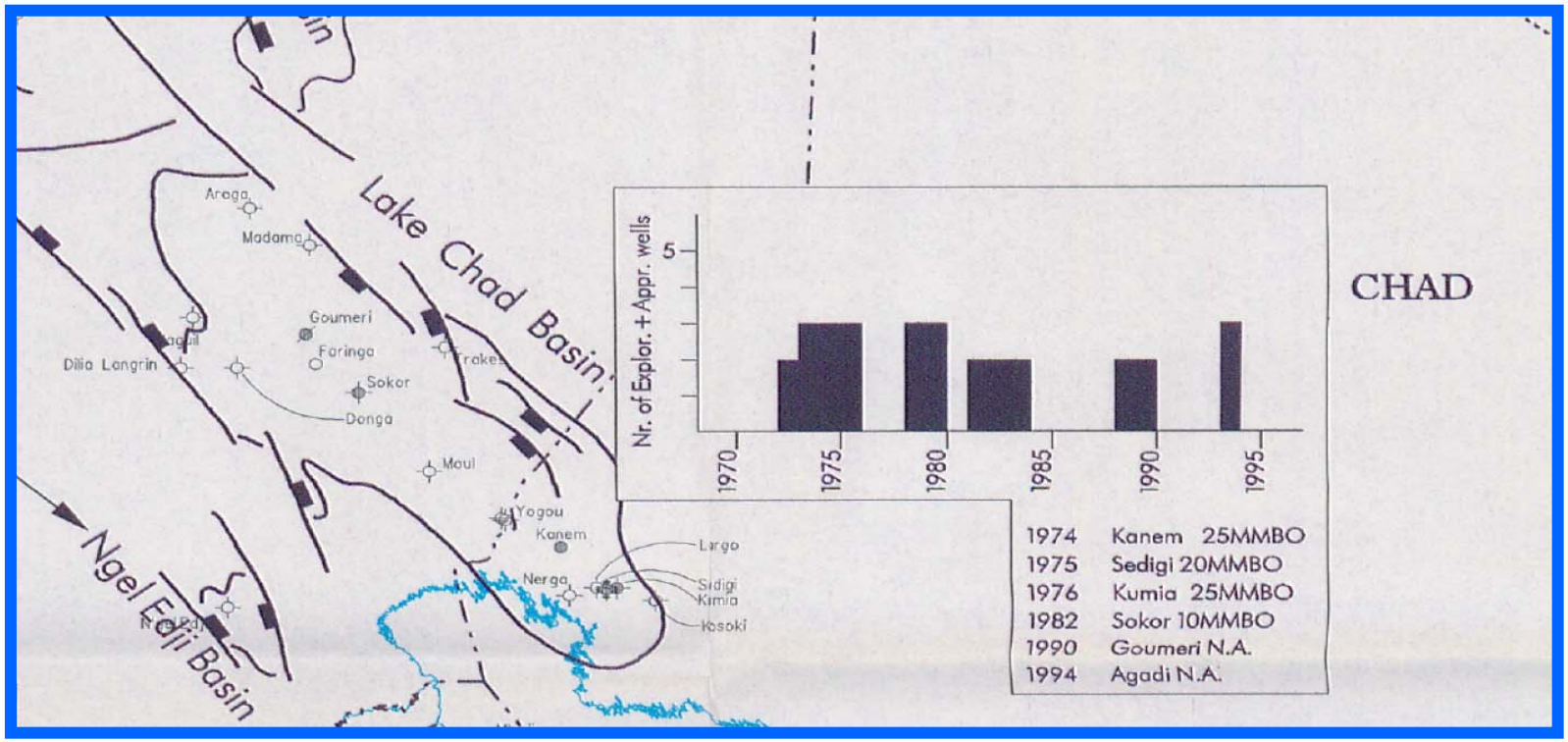



**圖4-2-45 Chad盆地之探勘概況，而在Lake Chad盆地內已有25 MMb之油氣發現，因此，在類似之構造封閉中，應有可能再找到油氣。**

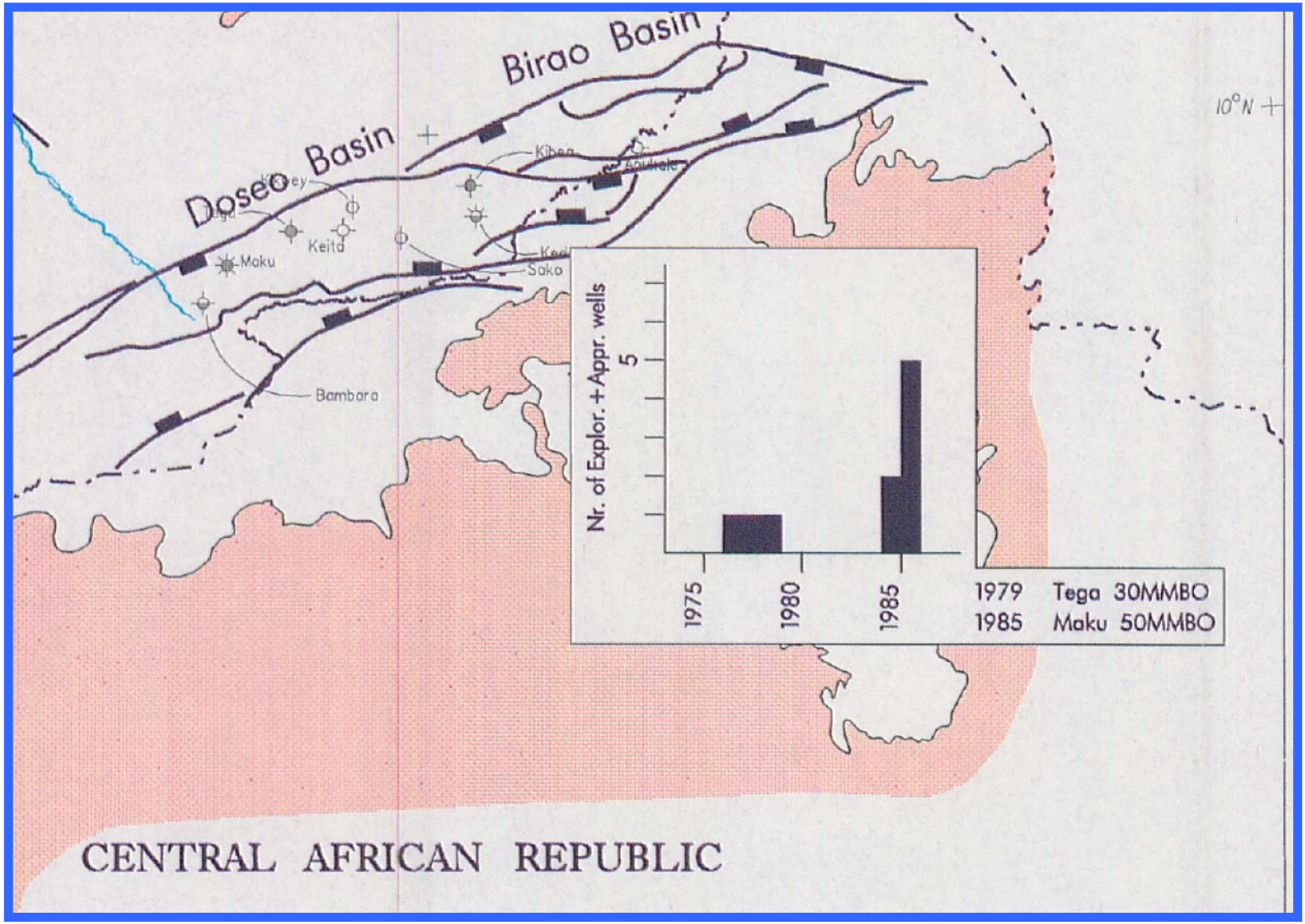



**圖4-2-46** 盆地中之**Maku**構造已有**50MMBO**之蘊藏量；
在**Tega**構造有**30MMBO**之蘊藏量。

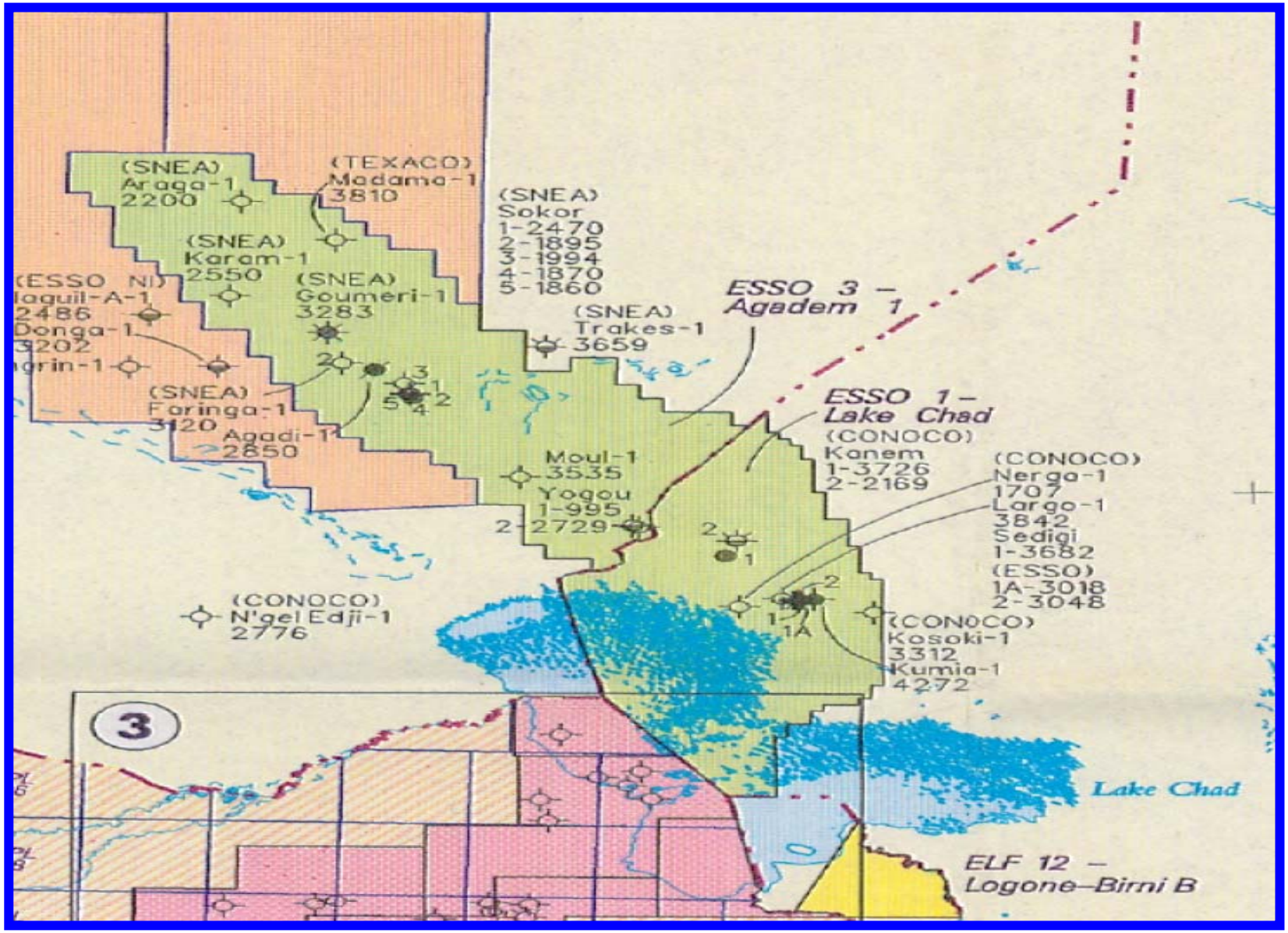



**圖4-2-47此盆地主要經營人爲尼日ELF-ESSO及查德之ESS0-Shell-ELF公司。**

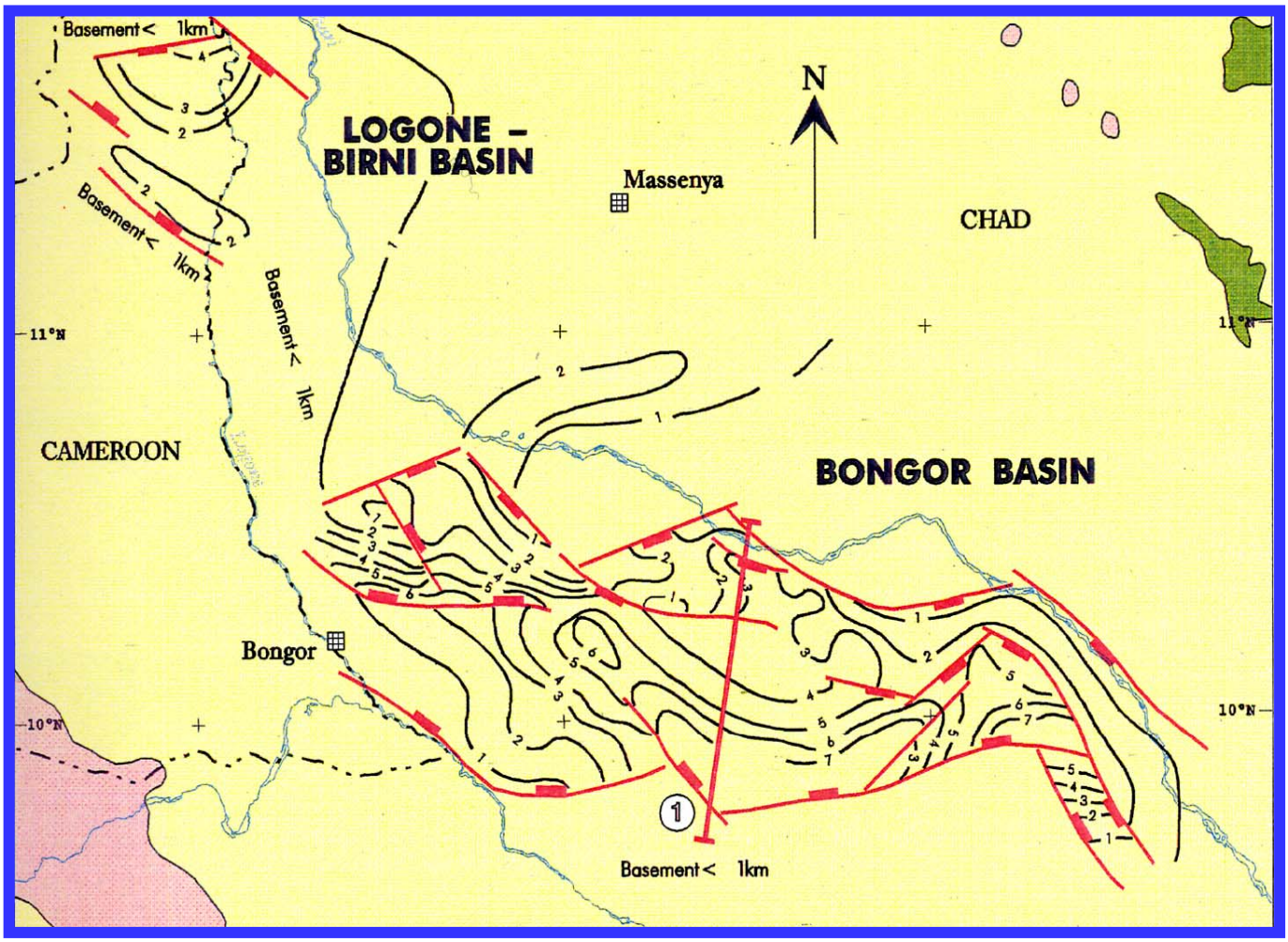



**圖4-2-48 Bongor盆地位於Doba盆地之北側，盆地大致呈東西向**

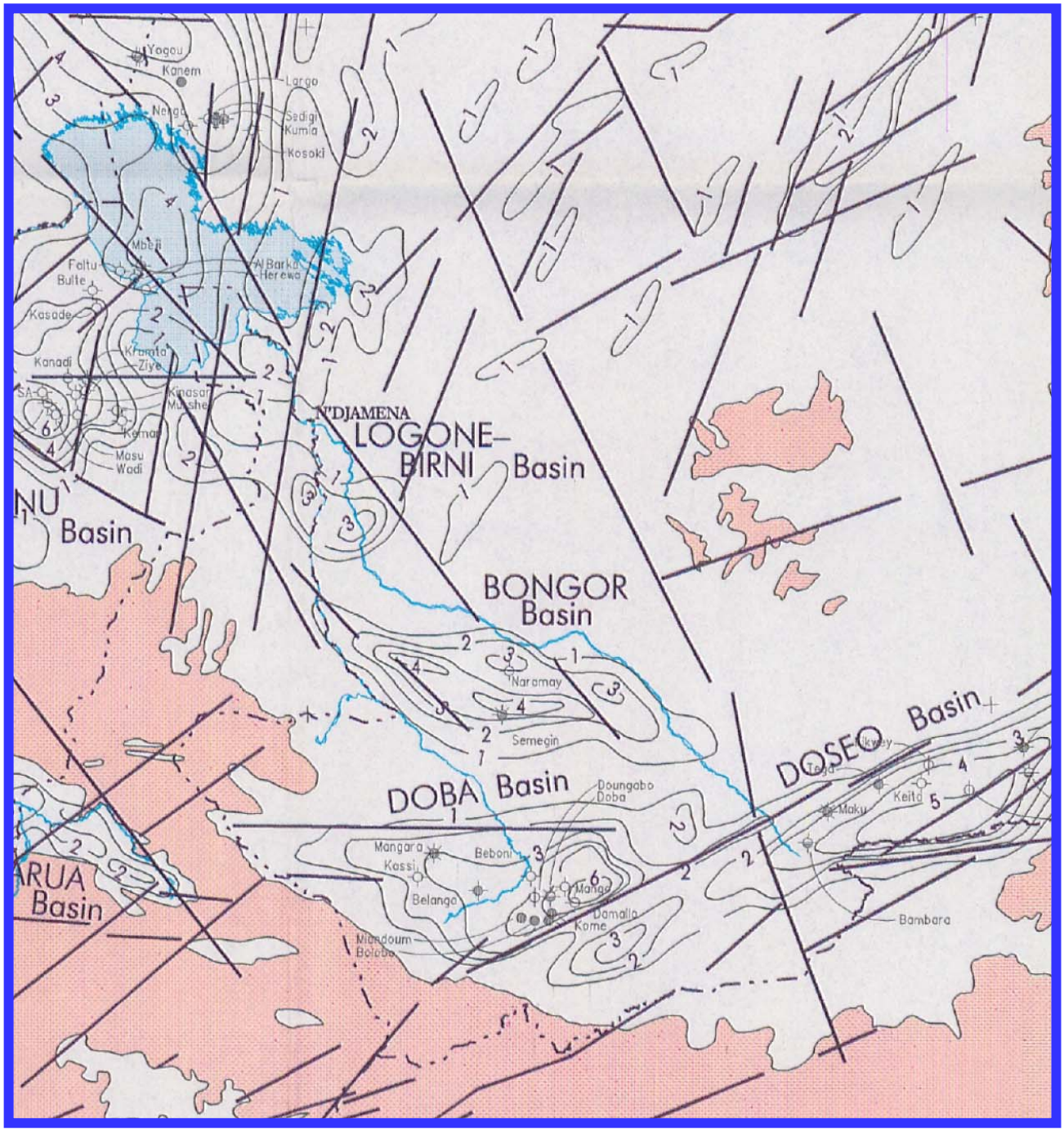



**圖4-2-49 Bongor盆地有二組斷層，一組為N70˚-80˚ E，另一組為N130˚-150˚ E**

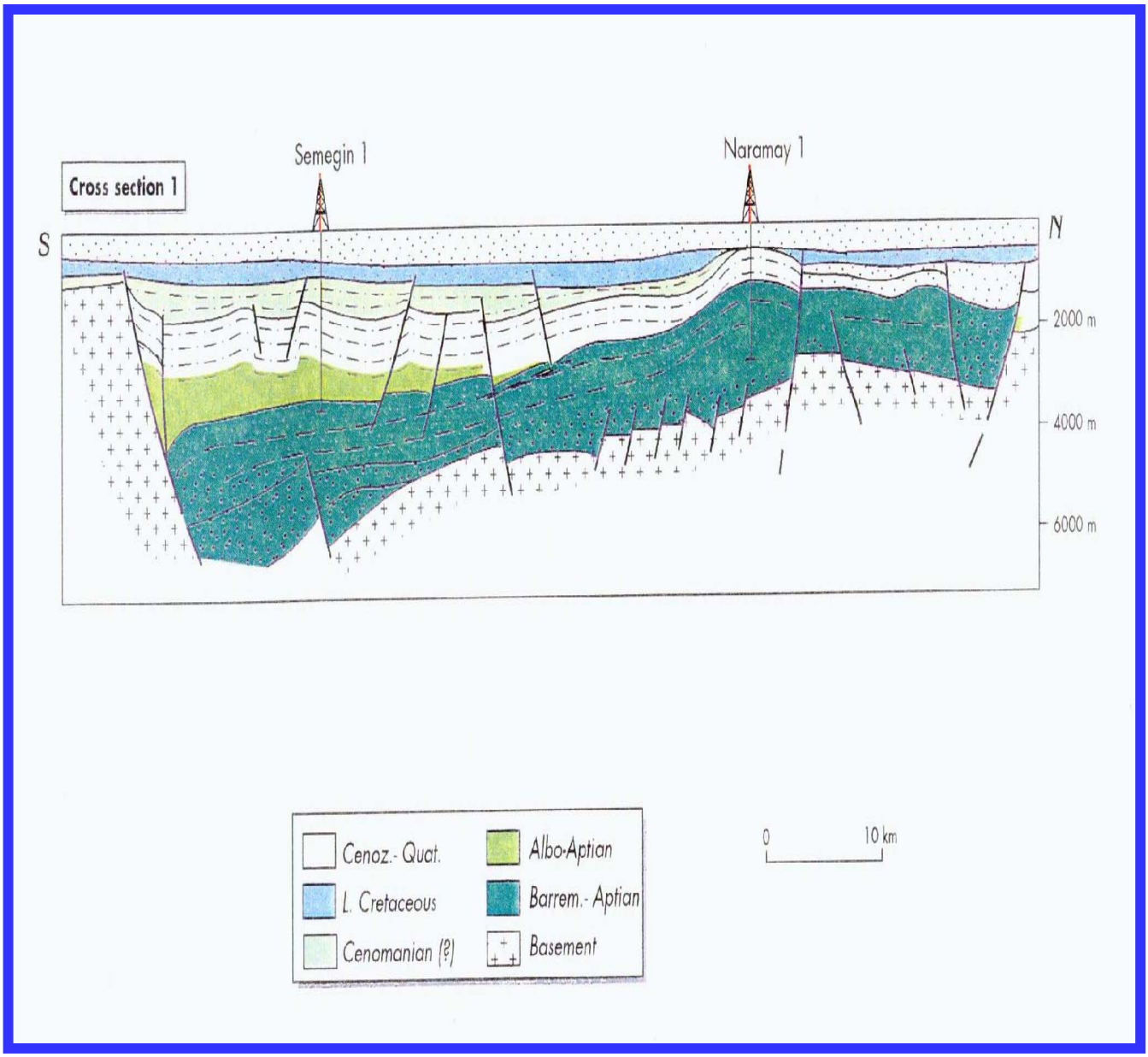



**圖4-2-50 Bongor盆地為一半地塹構造 ，盆地上構造向南傾。**