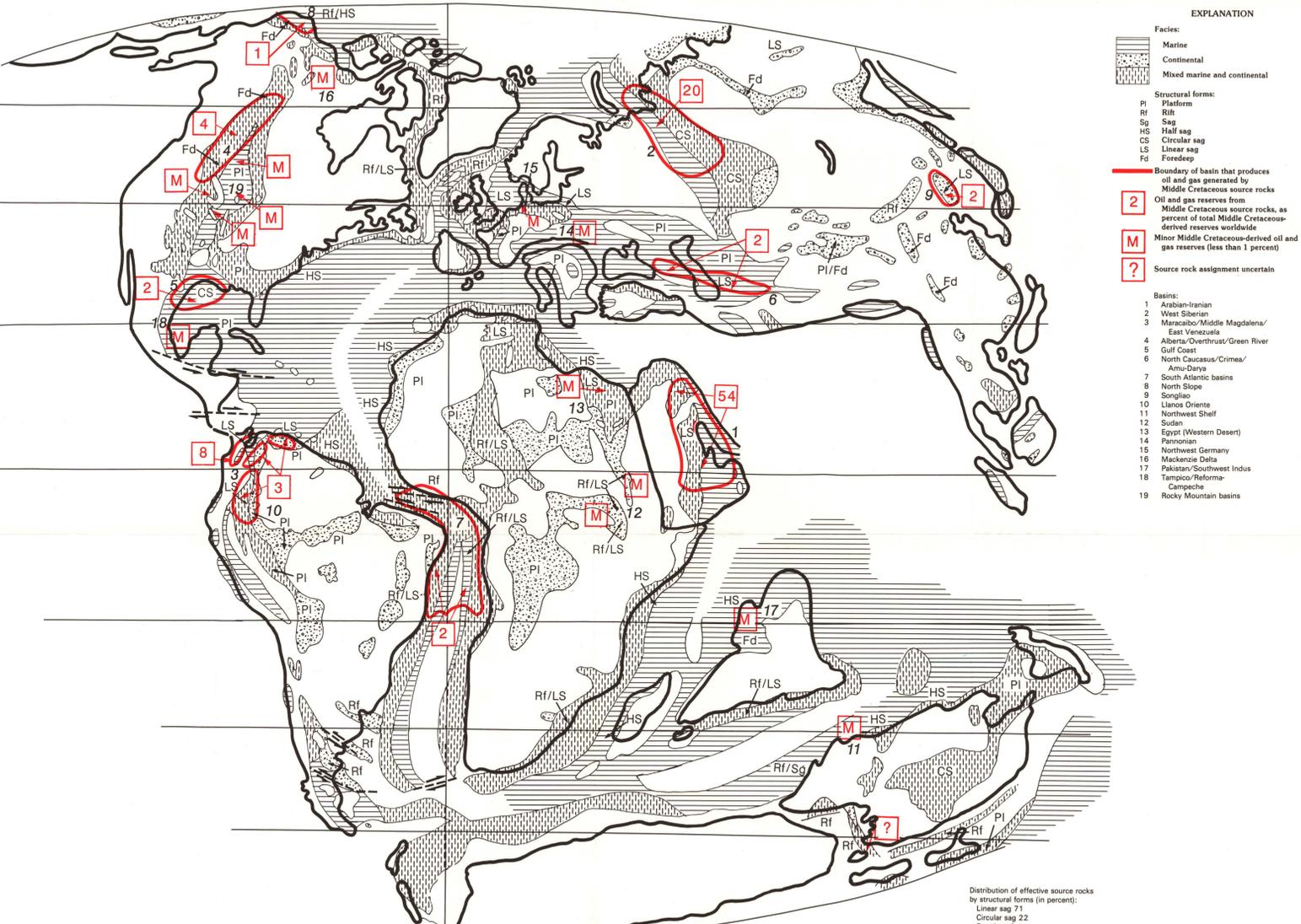


A. TECTONIC SETTING, MIDDLE CRETACEOUS TIME

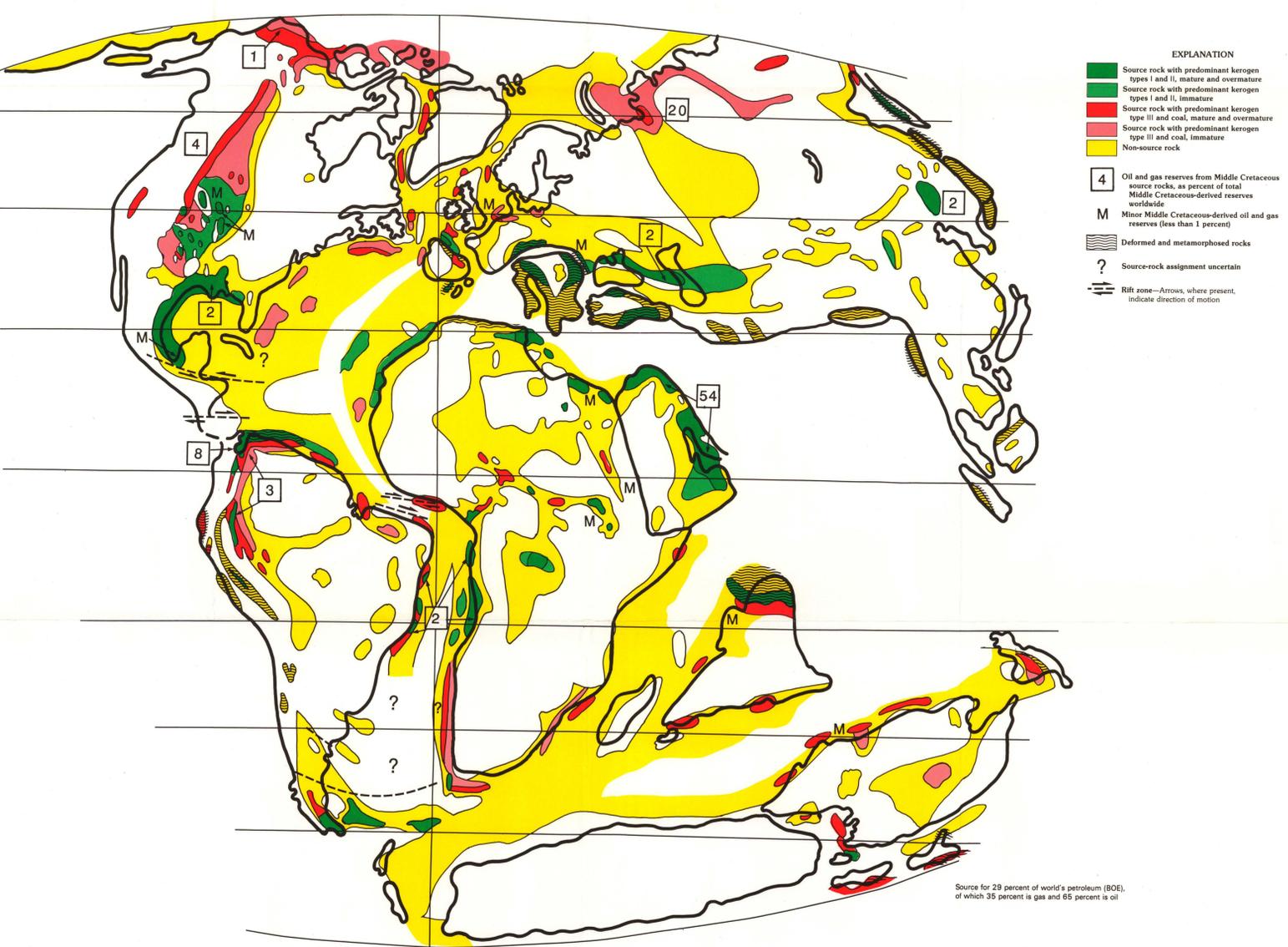
- EXPLANATION**
- Depositional area
 - Area with oceanic crust formed during preceding time interval
 - Oceanic volcanic arc
 - Continental magmatic arc
 - Microplate docking
 - Rift-related volcanism
 - Passive margin
 - Rift zone—Arrows, where present, indicate direction of motion
- Microcontinents, accreted terranes:
- 1 Peninsular
 - 2 Wangpelia
 - 3 Alexander
 - 4 Franciscan
 - 5 Nicaragua
 - 6 Antarctic Peninsula
 - 7 New Zealand
 - 8 South Pamir
 - 9 Afghan
 - 10 South Tibet
 - 11 Lut
 - 12 Central Iran
 - 13 Taurus
 - 14 Apulia
 - 15 Iberia
 - 16 West Burma
 - 17 Kalimantan
 - 18 Palawan
 - 19 Japan
 - 20 Koryak
 - 21 Sakhalin



B. LITHOFACIES, STRUCTURAL FORMS, AND MAJOR PETROLEUM BASINS, MIDDLE CRETACEOUS INTERVAL

- EXPLANATION**
- Facies:
- Marine
 - Continental
 - Mixed marine and continental
- Structural forms:
- Pf Platform
 - Rf Rift
 - Sg Sag
 - HS Half sag
 - CS Circular sag
 - LS Linear sag
 - Fd Foredeep
- Boundary of basin that produces oil and gas generated by Middle Cretaceous source rocks
- Oil and gas reserves from Middle Cretaceous source rocks, as percent of total Middle Cretaceous-derived reserves worldwide
- Minor Middle Cretaceous-derived oil and gas reserves (less than 1 percent)
- Source rock assignment uncertain
- Basins:
- 1 Arabian-Iranian
 - 2 West Siberian
 - 3 Maracaibo/Middle Magdalena/East Venezuela
 - 4 Alberta/Overthrust/Green River
 - 5 Gulf Coast
 - 6 North Caucasus/Crimea/Amu-Darya
 - 7 South Atlantic basins
 - 8 North Slope
 - 9 Songlao
 - 10 Llanos Oriente
 - 11 Northwest Shelf
 - 12 Sudan
 - 13 Egypt (Western Desert)
 - 14 Pennonian
 - 15 Northwest Germany
 - 16 Mackenzie Delta
 - 17 Pakistan/Southwest India
 - 18 Tampoco/Reforma-Campeche
 - 19 Rocky Mountain basins

Distribution of effective source rocks by structural forms (in percent):
Linear sag 71
Circular sag 22
Foredeep 6
Platform 1



C. PETROLEUM SOURCE ROCKS, MIDDLE CRETACEOUS INTERVAL

- EXPLANATION**
- Source rock with predominant kerogen types I and II, mature and overmature
 - Source rock with predominant kerogen types I and II, immature
 - Source rock with predominant kerogen type III and coal, mature and overmature
 - Source rock with predominant kerogen type III and coal, immature
 - Non-source rock
- Oil and gas reserves from Middle Cretaceous source rocks, as percent of total Middle Cretaceous-derived reserves worldwide
- Minor Middle Cretaceous-derived oil and gas reserves (less than 1 percent)
- Deformed and metamorphosed rocks
- Source-rock assignment uncertain
- Rift zone—Arrows, where present, indicate direction of motion

Source for 29 percent of world's petroleum (BOE), of which 35 percent is gas and 65 percent is oil