UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Bibliography of The World Energy Resources Program

by

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Open-File Report 94-556

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

[1] U.S. Geological Survey, Reston, VA

BIBLIOGRAPHY OF THE WORLD ENERGY RESOURCES PROGRAM

Introduction

The following publications were prepared in the course of World Energy Studies by program scientists. Most are open-file reports because we consider it our prime responsibility to get the program supporting data into the public record. Various of the authors have also seen fit to publish their work in refereed scientific journals and those publication outlets are also listed.

The summation of the program work is reported in the proceedings volumes of the World Petroleum Congresses--see Global section of the bibliography. In those reports, petroleum resource data were aggregated by major petroleum resource countries. It is our intention to ultimately report resource data by petroleum basin in order to provide a closer tie of resource understanding and petroleum geology.

This open-file report will be updated annually.

July 1994

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ASIA - China

(1)* Lee, K.Y., 1984, Geology of the Dian-Qian-Gui foldbelt, Southwest China: U.S. Geological Survey Open-File Report 84-357. $18.50 (P) $4.00 (M)

(1) Lee, K.Y., 1984, Geology of the Chaidamu basin, Qinghai Province, Northwest China: U.S. Geological Survey Open-File Report 84-413. $8.00 (P) $4.50 (M)

(1) Lee, K.Y., 1985, Geology of the petroleum and coal deposits in the Junggar (Zhungaer) basin, Xinjiang Uygur Zizhiqu, northwest China: U.S. Geological Survey Open-File Report 85-230, 53 p. $10.50 (P) $5.50 (M)

(1) Lee, K.Y., 1985, Geology of the Tarim basin, Xinjiang Uygur Zizhiqu, Northwest China, with special emphasis on petroleum deposits: U.S. Geological Survey Open-File Report 85-616, 55 p. $10.25 (P) $5.50 (M)

(1) Lee, K.Y., 1986, Geology of the petroleum and coal deposits in the North China basins of eastern China: U.S. Geological Survey Open-File Report 86-154, 57 p. Superseded by: B-1871. $4.25

(1) Lee, K.Y., and Masters, C.D., 1986, Geologic evaluation and petroleum potential in the producing sedimentary basins of China: U.S. Geological Survey Open-File Report 86-388, 14 p. w/ maps. $4.25 (P) $1.50 (M)

(1) Lee, K.Y., 1986, Geology of the coal and petroleum deposits in the Ordos basin: U.S. Geological Survey Open-File Report 86-278, 63 p. $12.75 (P) $5.50 (M)

(1) Lee, K.Y., 1986, Petroleum geology of the Songliao basin, Northeast China: U.S. Geological Survey Open-File Report 86-502. $7.50 (P) $7.00 (M)

(2) Lee, K.Y., and Masters, C.D., 1988, Geologic framework, petroleum potential, and field locations of the sedimentary basins in China: U.S. Geological Survey Miscellaneous Investigations Map 1952, 1:5,000,000; two sheets with text and cross sections. $5.50

(2) Lee, K.Y., 1989, Geology of petroleum and coal deposits in the North China basin, Eastern China: U.S. Geological Survey Bulletin 1871, 36 p. w/ map. $4.25

(3) Ulmishek, Gregory, 1984, The geology and petroleum resources of basins in western China: ANL/ES-146, 130 p.

(1) Ulmishek, G., 1993, Geology and Hydrocarbon Resources of Onshore Basins in Eastern China, U.S. Geological Survey Open-File Report 93-4, 176 p.

(4) Ball, M.M., 1988, Geophysical Consultants' Report to United Nations Development Program, Pearl River Mouth Basin Study, South China Sea, p. 1-33.

(5) Petroleum resources of China, 1987, DOE/EIA-0501, 90 p.

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.

ASIA - Other

(1)*Robinson, Keith, 1984, Assessment of undiscovered conventionally recoverable petroleum resources in Tertiary sedimentary basins of Malaysia and Brunei: U.S. Geological Survey Open-File Report 84-328, 21 p. $2.75 (P) $3.50 (M)

(1) Robinson, Keith, 1984, Assessment of undiscovered conventionally recoverable petroleum resources in offshore Tertiary sedimentary basins of the People's Republic of China: U.S. Geological Survey Open-File Report 84-329, 16 p. $2.25 (P) $3.50 (M)

(1) Robinson, Keith, 1984, Assessment of undiscovered conventionally recoverable petroleum resources in Tertiary sedimentary basins of Thailand: U.S. Geological Survey Open-File Report 84-330, 16 p. $2.25 (P) $4.00 (M)

(1) Kingston, John, 1986, Undiscovered petroleum resources of South Asia: U.S. Geological Survey Open-File Report 86-80, 131 p. w/ appendices. $26.75 (P) $4.00 (M)

(1) Kingston, John, 1988, The undiscovered petroleum resources of Indonesia: U.S. Geological Survey Open-File Report 88-379, 217 p. $33.75 (P) $4.00 (M)

(1) Kingston, John, 1990, The undiscovered oil and gas of Afghanistan: U.S. Geological Survey Open-File Report 90-401, 33 p. $5.50 (P) $4.00 (M)

(1) Riva, Joseph, 1983, Assessment of undiscovered conventionally recoverable resources of Indonesia: U.S. Geological Survey Circular 899, 17 p.

(4) Robinson, Keith, 1985, Undiscovered conventionally recoverable petroleum resources in Tertiary sedimentary basins of Malaysia and Brunei: Geological Society of Malaysia Bulletin, no. 18, p. 119-132.

(4) Ball, M.M., and Woodside, P.R., 1981, Petroleum potential of Bangladesh: Project Report, Bangladesh Investigations, (I R) BG-5, p. 1-30.

(4) Ball, M.M., Landis, E.R., and Woodside, P.R., 1981, Geologic assessment of the fossil energy potential of Bangladesh: Project Report, Bangladesh Investigations (I R) BG-6, p. 1-61.

(5) Petroleum resources of Indonesia, Malaysia, Brunei, and Thailand, 1984, DOE/EIA-0447, 183 p.

Petroleum geology report in progress: Southeast Asia by Keith Robinson, expected to be published in 1995.

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.

FSU

(1)* Clarke, J.W., Girard, O.W., Jr., Peterson, J.A., and Rachlin, Jack, 1977, Petroleum geology of the West Siberian basin and a detailed description of the Samotlor oil field: U.S. Geological Survey Open-File Report 77-871, 136 p. $24.50 (P) $4.00 (M)

(1) Peterson, J.A., and Clarke, J.W., 1983, Geology of the Volga-Urals petroleum province and detailed description of the Romashkino and Arlan oil fields: U.S. Geological Survey Open-File Report 83-711, 90 p. $22.75 (P) $3.50 (M)

(1) Clarke, J.W., 1983, Petroleum geology of East Siberia: U.S. Geological Survey Open-File Report 83-367, 167 p. $19.50 (P) $4.00 (M)

(1) Clarke, J.W., 1984, Geology and possible uranium deposits of the Fergana region of Soviet Central Asia: U.S. Geological Survey Open-File Report 84-513, 42 p. $6.00 (P) $3.50 (M)

(1) Klemme, H.D., 1984, Oil and gas maps and sections of West Siberia: U.S. Geological Survey Open-File Report 84-516. $33.75 (P) $3.75 (M)

(1) Clarke, J.W., 1987, Dnieper-Pripyat Oil-Gas Province, USSR: U.S. Geological Survey Open-File Report 87-288, 25 p. $4.25 (P) $4.00 (M)

(1) Clarke, J.W., 1988, Petroleum geology of the sedimentary basins of the Northeastern USSR: U.S. Geological Survey Open-File Report 88-264, 54 p. $8.50 (P) $4.00 (M)

(1) Clarke, J.W., 1988, Petroleum geology of the Amu-Dar'ya gas-oil basin of Soviet Central Asia: U.S. Geological Survey Open-File Report 88-272, 59 p. $9.50 (P) $4.00 (M)

(1) Peterson, J.A., and Clarke, J.W., 1989, West Siberian oil-gas province: U.S. Geological Survey Open-File Report 89-192, 142 p. $23.00 (P) $4.00 (M)

(1) Peterson, J.A., and Clarke, J.W., 1983, Petroleum geology and resources of the Volga Urals Province: U.S. Geological Survey Circular 885, 27 p.

(3) Ulmishek, Gregory, and Harrison, W., 1981, Petroleum geology and resource assessment of the Middle Caspian basin, USSR, with special emphasis on the Uzen field: ANL/ES-116, 145 p.

(3) Ulmishek, Gregory, 1982, Petroleum geology and resource assessment of the Timan-Pechora basin, USSR, and the adjacent Barents-Northern Kara shelf: ANL/EES-TM-199, 197 p.

(3) Ulmishek, Gregory, 1985, Geology and petroleum resources of the Barents-Northern Kara Shelf in light of new geologic data: ANL/ES-148, 88 p.

(4) Clarke, J.W., Girard, O.W., Jr., Peterson, J.A., and Rachlin, J., 1978, Petroleum geology of West Siberian basin and Samotlor oil field: Oil and Gas Journal, May 8, 1978, p. 311-328.

*Please see page 1 for ordering instructions according to corresponding number preceding each listing.

(4)*Clarke, J.W., and Rachlin, Jack, 1980, Salym - potential West Siberian oil giant: Oil and Gas Journal, June 16, 1980, p. 132-135.

(4) Ulmishek, Gregory, 1988, Upper Devonian-Tournaisian facies and oil resources of the Russian craton's eastern margin: *in* McMillan, N.J., Embry, A.F., and Glass, D.J., eds., Devonian of the world, v. 1, Regional syntheses, Canadian Society of Petroleum Geologists, Calgary, Alberta, p. 527-549.

(4) Ulmishek, Gregory, 1990, Uzen field - USSR, Middle Caspian basin, South Mangyshlak region, *in* Beaumont, E.A., and Foster, N.H., eds., Structural traps IV, tectonic and non-tectonic fold traps: Treatise of Petroleum Geology, Atlas of Oil and Gas Fields, American Association of Petroleum Geologists, p. 281-293.

(4) Peterson, J.A. and Clarke, J.W., 1991, Geology and hydrocarbon habitat of the West Siberian Basin: American Association of Petroleum Geologists, Studies in Geology No. 32, 96 p., 75 figures.

(4) Ball, Mahlon, 1992, (abstract) Petroleum Geology and Exploration Potential of the Pripyat Basin, USSR. Eighth McKelvey Forum, Feb. 18-20, 1992, Houston, Texas.

(1) Ulmishek, G., Masters, C.D., 1993, Petroleum Resources in the Former Soviet Union, USGS Open-File Report 93-316, 17 p. 2 maps, 1 table.

(4) Ulmishek, G., Masters, C.D., 1993, Oil Gas Resources Estimates in Former Soviet Union, Oil and Gas Journal, Dec. 13, 1993, pp. 59-62.

(4) Ulmishek, G., Bogino, V.A., Keller, M.B., Poznyakevich, Z.L., 1994, Structure, Stratigraphy, and Petroleum Geology of the Pripyat and Dnieper-Donets Basins, Byelarus and Ukraine, Continental Rift Basins, S. Landon, ed., AAPG Memoir 59.

AFRICA

(1) Peterson, J.A., 1985, Geology and petroleum resources of central and east-central Africa: U.S. Geological Survey Open-File Report 85-589, 48 p. $8.50 (P) $7.00 (M)

(4) Above report also available in Modern Geology, 1986, v. 10, p. 329-364.

(1) Peterson, J.A., 1985, Geology and petroleum resources of north-central and northeastern Africa: U.S. Geological Survey Open-File Report 85-709, 54 p. $10.25 (P) $7.00 (M)

(1) Peterson, J.A., 1986, Geology and petroleum resource assessment of onshore Northwestern Africa, U.S. Geological Survey Open-File Report 86-183, 25 p. $5.00 (P) $4.00 (M)

(1) Peterson, J.A., and Wilson, J.L., 1987, Petroleum stratigraphy in Northeast Africa-Middle East Region: U.S. Geological Survey Open-File Report 87-85, 44 p. w/ maps. $72.00 (P) $27.50 (M).

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.

(4)* Above report also available in Symposium of the hydrocarbon potential of intense thrust zones: O.A.P.E.C. and Ministry of Petroleum and Mineral Resources, U.A.E., Abu Dhabi U.A.E., p. 229-330.

(1) Kingston, John, 1988, The undiscovered recoverable petroleum resources of Southern Africa: U.S. Geological Survey Open-File Report 88-223, 166 p. $26.00 (P) $4.00 (M)

(4) Attanasi, E.D., and Root, D.H., 1988, Forecasting petroleum discoveries in sparsely drilled areas: Nigeria and the North Sea: *in* Mathematical Geology, v. 20, no. 7, p. 763-776.

(5) Report on the petroleum resources of the Federal Republic of Nigeria, 1979, DOE/EIA-0184/14, Dist. Category UC-92.

(5) Petroleum resources of Libya, Algeria, and Egypt, 1984, DOE/EIA-0435, 189 p.

(5) Libya, Algeria and Egypt--Crude oil potential from known deposits, 1982, DOE/EIA-0338, Dist. Category UC-92, 105 p.

ARCTIC/ANTARCTICA

(3) Ulmishek, Gregory, 1984, The geology and petroleum resources of basins in the Asian Arctic and offshore East Greenland: ANL/EES-TM-247, 104 p.

(4) Haimila, N.E., Kirschner, C.E., Nassichuk, W.W., Ulmishek, Gregory, and Procter, R.M., 1990, Sedimentary basins and petroleum resource potential of the Arctic Ocean region, *in* Grantz, A., Johnson, L., and Sweeney, J.F., eds.: The Arctic Ocean region: The Geology of North America, v. L, Canadian Society of Petroleum Geologists, p. 503-538.

(1) Kingston, John, 1991, The Undiscovered Oil and Gas of Antarctica, U.S. Geological Survey Open-File Report #91-597, 62 p. $12.75 (P) $4.00 (M)

EUROPE

(1) Masters, C.D., and Klemme, H.D., 1984, Assessment of undiscovered conventionally recoverable petroleum resources of the Northwest European region: U.S. Geological Survey Circular 922a, 22 p.

(3) Ball, M.M., Carter, R., and Younse, G., 1980, Petroleum potential of Portugal: NTIS Report, p. 1-39.

(4) Ulmishek, Gregory, (in press) Geologic evolution and petroleum resources of the Baltic basin: *in* Leighton, M.W., ed., Interior cratonic sag basins, American Association of Petroleum Geologists Memoir.

(4) Attanasi, E.D., and Root, D.H., 1988, Forecasting petroleum discoveries in sparsely drilled areas: Nigeria and the North Sea: *in* Mathematical Geology, v. 20, no. 7, p. 763-776.

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.

(5)* The petroleum resources of the North Sea, 1983, DOE/EIA-0381, Dist. Category UC-98, 97 p.

(1) Peterson, J.A., 1994, Regional geology and hydrocarbon resource potential of the Mediterranean basins, U.S. Geological Survey Open File Report #94-166.

WESTERN HEMISPHERE

(4) Ball, M.M., Bock, W., Harrison, C.G.A., Nagle, F., and Williams G., 1974, Diapirs of the Old Bahama Channel (abs): American Geophysical Union Transactions, v. 55, no. 4, p. 284.

(4) Mullins, H.T., Lynts, G.W., Newmann, A.C., and Ball, M.M., 1976, Hydrocarbon potential of the northwestern Bahama platform (abs): American Association of Petroleum Geologists Bulletin, v. 60, p. 700-701.

(4) Mullins, H.T., Lynts, G.W., Neumann, A.C., and Ball, M.M., 1978, Characteristics of deep Bahamas channels in relation to hydrocarbon potential: American Association of Petroleum Geologists Bulletin, v. 62, p. 693-704.

(4) Ball, M.M., Idris, F.M., Bock, W.D., Martin, R.G., Sylwester, R.E., Bowles, R.M., and Taylor, D., 1980, Explorable structures in Old Bahama Channel, North of Cuba (abs): American Association of Petroleum Geologists Bulletin, v. 64, p. 674.

(4) Ball, M.M., Martin, R.G., Bock, W.D., Taylor, D., Sylwester, R.E., and Bowles, R.M., 1981, Multichannel measurements over a possible gas-bearing structure near Cay Sal, Bahamas (abs): American Association of Petroleum Geologists Bulletin, v. 65, p. 894.

(4) Clarke, James W. and Masters, Charles D., 1982, Petroleum Geology of the Falkland Islands Region, Admin. Report.

(1) Peterson, J.A., 1985, Petroleum geology and resources of Northeast Mexico: U.S. Geological Survey Circular 943, 30 p.

(1) Peterson, J.A., 1983, Petroleum geology and resources of Southeast Mexico, Northern Guatemala, and Belize: U.S. Geological Survey Circular 760, 44 p.

(4) Masters, C.D., and Peterson, J.A., 1984, Assessment of conventionally recoverable petroleum resources of northeastern Mexico: *in* Mexico's Oil Plans, Problems and Potential of the 1980's, by S. Carlson, Platt's Oilgrams/McGraw-Hill, p. 311-317.

(4) Masters, C.D., and Peterson, J.A., 1984, Assessment of conventionally recoverable petroleum resources of southeastern Mexico, northern Guatemala, and Belize: *in* Mexico's Oil Plans, Problems and Potential of the 1980's, by S. Carlson, Platt's Oilgrams/McGraw-Hill, p. 303-310.

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.

(4)* Peterson, J.A., 1984, Petroleum geology and resources of northeastern Mexico: *in* Russell, J.L., and Baskin, J.A., eds., Structure and Mesozoic stratigraphy of northeastern Mexico, Field Trip Guidebook, AAPG-SEPM Annual Meeting, San Antonio, Texas, May 1984, p. 77-103.

(4) Ball, M.M., and others, 1985, Seismic structure and stratigraphy of the northern edge of the Bahaman-Cuban collision zone: American Association of Petroleum Geologists Bulletin, v. 69, p. 1275-1294.

(4) Masters, C.D., 1987, The Venezuelan giant: Geopolitics of Energy, v. 9, no. 8, p. 7-8.

(5) The petroleum resources of Venezuela and Trinidad and Tobago, 1981, DOE/1A 0008 UC 92 and 92a, Dist. Category UC-98.

(5) Venezuela, Trinidad and Tobago--Crude oil potential from known deposits, DOE/EIA-0297 (out of print; microfiche available from NTIS).

(5) The petroleum resources of Mexico, 1983, DOE/EIA-0423, Dist. Category UC-98, 107 p.

(5) The petroleum resources of South America, 1985, DOE/EIA-0467.

(1) Kingston, John, 1994, Undiscovered Petroleum of Southern South America, U.S. Geological Survey Open File Report

(1) Open-file geology report in progress: Petroleum Resource Potential of Colombia by Mahlon Ball, expect publication in 1995.

MIDDLE EAST

(1) Klemme, H.D., 1984, Oil and gas maps and sections of Arabian-Iranian basin: U.S. Geological Survey Open-File Report 84-353. $56.00 (P) $10.00 (M)

(1) Masters, C.D., and Klemme, H.D., 1982, Assessment of undiscovered conventionally recoverable petroleum resources of the Arabian-Iranian basin: U.S. Geological Survey Circular 881, 12 p.

(5) Middle East--Crude oil potential from known deposits, 1981, DOE/EIA-0298, Dist. Category UC-92 (out of print; microfiche available from NTIS).

(5) The petroleum resources of the Middle East, DOE/EIA-0395 (out of print; microfiche available from NTIS)

GLOBAL

(4) Ball, M.M., 1972, Exploration Methods for Stratigraphic Traps in Carbonate Rocks, Stratigraphic Oil and Gas Fields - Classification, Exploration Methods, and Case Histories, Society of Exploration Geophysicists Special Publication No. 10, p. 64-81.

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.

(1)* Masters, C.D., 1983, Distribution and quantitative assessment of world crude-oil reserves and resources: U.S. Geological Survey Open-File Report 83-728. $3.00 (P) $3.50 (M)

(1) Masters, C.D., 1985, World petroleum resources - a perspective: U.S. Geological Survey Open-File Report 85-248, 25 p. $18.75 (P) N/A (M) World Crude Oil Futures Maps in color or black and white.

(4) Above publication is also available in Proceedings of the Southwestern Legal Foundation Exploration and Economics of the Petroleum Industry, v. 23, 29 p.

(1) Root, D.H., Attanasi, E.D., Masters, C.D., 1990, Production capability forecasts of crude oil and natural gas liquids to 2010 for non-OPEC countries: U.S. Geological Survey Open-File Report 90-280, 50 p. $8.00 (P) $4.00 (M)

(1) Root, D.H., Attanasi, E.D., and Turner, R.M., 1987, Statistics of petroleum exploration in the non-communist world outside the United States and Canada: U.S. Geological Survey Circular 981, 133 p.

(2) Ulmishek, Gregory, and Klemme, H.D., 1990, Depositional controls, distribution, and effectiveness of world's petroleum source rocks: U.S. Geological Survey Bulletin 1931, 59 p.

(4) Ball, M.M., 1979, Petroleum potential of passive margin slopes: *in* Doyle, L.J., and Pilkey, O.H., 1979, The geology of Continental Slopes: Society of Economic Paleontologists and Mineralogists Special Publication No. 27, p. 43-47.

(4) Masters, C.D., Root, D.H., Dietzman, W.D., 1984, Distribution and quantitative assessment of world crude oil reserves and resources: *in* Proceedings of 11th World Petroleum Congress, v. 2, p. 229-237.

(4) Masters, C.D., Attanasi, E.D., Dietzman, W.D., Meyer, R.F., Mitchell, R.W., Root, D.H., 1987, World resources of crude oil, natural gas, natural bitumen, and shale oil: *in* Proceedings of 12th World Petroleum Congress, v. 5, p. 3-27.

(4) Masters, C.D., 1987, Global oil assessment and the search for non-OPEC oil: OPEC Review, v. XI, no. 2, p. 153-170.

(4) Masters, C.D., and Root, D.H., 1987, The oil outlook - a realistic view: Geopolitics of Energy, v. 9, no. 3, p. 1-4.

(4) Root, D.H., Attanasi, E.D., and Masters, C.D., 1986, Some practical approaches to world petroleum resource assessment, *in* Rice, D.D., ed., Oil and gas assessment - methods and applications: American Association of Petroleum Geologists, Studies in Geology, no. 21, p. 185-194.

(4) Masters, C.D., Root, D.H., and Attanasi, E.D., 1990, World oil and gas resources - Future production realities: Annual Review of Energy, v. 15, p. 23-51.

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.

(4)* Masters, C.D., 1990, Approaches to petroleum resource assessment: *in* Bandlien, E.H., ed., Proceedings of United Nations Seminar Policy and Management of Petroleum Resources, Leangkollen, Oslo, September 1989, p. 39-62.

(4) Masters, C.D., Root, D.H., and Attanasi, E.D., 1991, Resource Constraints in Petroleum Production Potential: Science, v. 253, p. 146-152.

(4) Masters, C.D., Root, D.H., and Attanasi, E.D., 1992, World resources of crude oil and natural gas: *in* Proceedings of 13th World Petroleum Congress, v. 2, p. 51-64.

(4) Masters, C.D., Root, D.H., and Attanasi, E.D., 1994, World Petroleum Assessment and Analysis: *in* Proceedings of 14th World Petroleum Congress.

(4) Attanasi, E.D. and Root, D.H., 1994, The Enigma of Oil and Gas Field Growth, American Association of Petroleum Geologists, v. 78, no. 3, p. 321-332.

(4) Attanasi, E.D., 1985, Petroleum industry drilling in industrialized and developing areas, Natural Resources Forum, v. 9, no. 2, p. 147-153.

(4) Attanasi, E.D., 1991, Alternative natural gas contract and pricing structures and incentives for the LNG industry, Natural Resources Forum, v. f15, no. 3, p. 190-201.

(4) Klemme, H.D. and Ulmishek, G.F., 1991, Effective petroleum source rocks of the world: stratigraphic distribution and controlling depositional factors: American Association of Petroleum Geologists Bulletin, v. 75, no. 12, p. 1809-1851.

(4) Ulmishek, G.F. and Klemme, M.D., 1991, Areal and spatial distribution and effectiveness of world's petroleum source rocks: Preprint of the 13th World Petroleum Congress, Topic 2, 13 p.

(1) Masters, C.D., 1994, World Resources of Natural Gas--A Discussion: *in* The Future of Energy Gases, Ed: David Howell, USGS Prof. Paper 1570, p. 607-616.

* Please see page 1 for ordering instructions according to corresponding number preceding each listing.