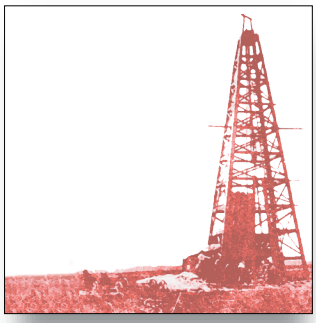

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U.S. Geological Survey
Digital Data Series DDS–69–E

National Assessment of Oil and Gas Project:

Petroleum Systems and Geologic Assessment of Undiscovered Oil and Gas, Cotton Valley Group and Travis Peak–Hosston Formations, East Texas Basin and Louisiana-Mississippi Salt Basins Provinces of the Northern Gulf Coast Region

By USGS Gulf Coast Region Assessment Team

U.S. DEPARTMENT OF THE INTERIOR
Gale A. Norton, Secretary

U.S. GEOLOGICAL SURVEY
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Introduction

The purpose of the U.S. Geological Survey's (USGS) National Oil and Gas Assessment is to develop geologically based hypotheses regarding the potential for additions to oil and gas reserves in priority areas of the United States. The USGS recently completed an assessment of undiscovered oil and gas potential of the Cotton Valley Group and Travis Peak and Hosston Formations in the East Texas Basin and Louisiana-Mississippi Salt Basins Provinces in the Gulf Coast Region (USGS Provinces 5048 and 5049). The Cotton Valley Group and Travis Peak and Hosston Formations are important because of their potential for natural gas resources.

This assessment is based on geologic principles and uses the total petroleum system concept. The geologic elements of a total petroleum system include hydrocarbon source rocks (source rock maturation, hydrocarbon generation and migration), reservoir rocks (sequence stratigraphy and petrophysical properties), and hydrocarbon traps (trap formation and timing). The USGS used this geologic framework to define one total

petroleum system and eight assessment units. Seven assessment units were quantitatively assessed for undiscovered oil and gas resources.

Contact Information

This volume is one of a series of products resulting from the National Oil and Gas Assessment project of the U.S. Geological Survey. Inquiries about this CD-ROM or the project should be addressed to:

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Denver, CO 80225-0046

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Disclaimer

Using This CD

The descriptive and interpretive text chapters of this volume are in PDF format. Use Acrobat Reader 7.0 (installer for Mac and Windows provided on this CD-ROM) to access and bring up these chapters. Oversize plates are also in PDF format; they are listed in the CD-ROM in a folder called “Plates.” Each plate is also linked from a page-size image within the chapter text where it is discussed; click on the image to go to the plate; a return button is included on the plate.

Chapters 3 and 6 contain tabular data and graphical images in support of the assessment. The chapter text PDF contains links to the data and images. Data-table files are presented as tab-delimited text files (.tab files), usable in spreadsheet and database software. Graphical and summary-table files are presented as portable document format files (.pdf files).

The USGS Central Energy Resources Team has developed an Internet Map Service to deliver the GIS data to the public. The spatial data that formed the basis of the GIS are provided online at the USGS National Oil and Gas Assessment web site (NOGA Online: http://energy.cr.usgs.gov/oilgas/noga) and are also contained on this CD-ROM in the Spatial folder. Several data formats are provided as noted by subfolders (Export and Shape). The Doc subfolder contains metadata documentation in HTML format that is also incorporated in each shapefile and export file in XML format.

Most of the base cartographic data layers used in the GIS project were obtained from the U.S. Department of the Interior National atlas web site, www.nationalatlas.gov, or the U.S. Geological Survey National Map, http://nmviewogc.cr.ussg.gov/viewer.htm.portable document format files (.pdf files).

Contents of This CD-ROM

When the CD-ROM is opened, the following folders appear on the screen:
ACROBAT–contains installer for Acrobat Reader 7.0.
OPEN_FIRST–from OPEN_FIRST.pdf in this folder, navigate to the ReadMe file, an executive summary, pages of chapter titles, and the GIS data and metadata.
README–you can access the ReadMe file from this folder also.
REPORTS–listing of and links to the chapters, plus the tabular data for chapters 3 and 6.
SPATIAL–folder containing files for the GIS data and metadata.

In other words, there are several routes to the information in this volume.

System Requirements

MAC OS X
Adobe Reader 7

- Power PC G3, G4, G5 processor
- Mac OS X v.10.2.8 or 10.3
- 128 MB of RAM
- 80 MB of available hard disk space (110 MB required for the full version)
- 800 x 600 screen resolution

WINDOWS

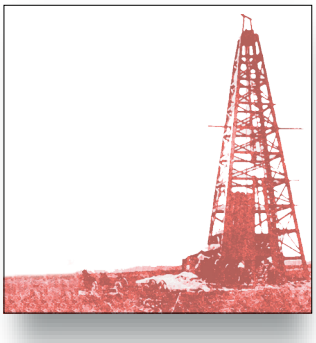
Adobe Reader 7.0 MS Windows

- Intel Pentium-class processor
- Windows XP Professional or Home Edition with SP1 or SP2, or Tablet

PC Edition

- Microsoft Windows 2000 with Service Pack 2 (SP2)
- 128 MB of RAM
- 90 MB of available hard-disk space for the full version
- 800 x 600 monitor resolution

Note: Installers for Acrobat Reader 7.0 for Macintosh and Windows platforms are provided on this CD-ROM.



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