

**U.S. Geological Survey
Digital Data Series DDS-69-DD**

Oil Shale Assessment Project:

Oil Shale Resources of the Eocene Green River Formation, Greater Green River Basin, Wyoming, Colorado, and Utah

By U.S. Geological Survey Oil Shale Assessment Team

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Introduction

The U.S. Geological Survey (USGS) recently completed a comprehensive assessment of in-place oil in oil shales in the Eocene Green River in the Greater Green River Basin, Wyoming, Colorado, and Utah. This DVD includes reports, data, and an ArcGIS project describing the assessment. A database was compiled that includes about 47,000 Fischer assays from 186 core holes and 240 rotary drill holes. Most of the oil yield data were analyzed by the former U.S. Bureau of Mines oil shale laboratory in Laramie, Wyoming, and some analyses were made by private laboratories. Location data for 971 Wyoming oil-shale drill holes are listed in a spreadsheet and included in the DVD. Total in-place resources for the three assessed units in the Green River Formation are: (1) Tipton Shale Member, 362,816 million barrels of oil (MMBO), (2) Wilkins Peak Member, 704,991 MMBO, and (3) LaCledde Bed of the Laney Member, 377,184 MMBO, for a total of 1.44 trillion barrels of oil in place. This compares with estimated in-place resources for the Piceance Basin of Colorado of 1.53 trillion barrels and estimated in-place resources for the Uinta Basin of Utah and Colorado of 1.32 trillion barrels.



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Using This DVD

The descriptive and interpretive text chapters of this volume are in PDF format. Use Adobe Acrobat Reader, version 7.0 or later to access these chapters.

Contained on this DVD are tabular data and graphical data in support of the assessment. The chapter text PDF contains links to the data and images. Data-table files in various formats are presented, usable in spreadsheet and database software. Graphical and summary-table files are presented as portable document format files (.pdf files) and spreadsheets.

GIS information is presented in the Spatial folder and its subfolders that contain the spatial data and documentation. The Spatial folder may be downloaded at DDS 69-DD in Spatial zip.

The Spatial folder contains ArcView/ArcGIS shapefiles, GRIDs, TINs, and various tables in .dbf and .xls formats.

Contents of This DVD

When the DVD is opened, the following folders appear on the screen:

OPEN_FIRST—from OPEN_FIRST.pdf in this folder, navigate to the ReadMe file, assessment reports plus support data, and spatial data.

READ_ME—you can access the ReadMe file from this folder also.

REPORTS—listing of, and links to, the chapters, plus the supporting data.

SPATIAL—folder contains the Readme_Spatial.pdf file for the GIS data that may be downloaded at DDS-69-DD in Spatial.zip.



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