

Fischer Assays of Oil-Shale Drill Cores and Rotary Cuttings from the Greater Green River Basin, Southwestern Wyoming



Open-File Report 2008–1152

U.S. Department of the Interior
U.S. Geological Survey



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By U.S. Geological Survey Oil Shale Assessment Team

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Chapter 1

Analyses of Oil-Shale Samples from Core Holes and Rotary-Drilled Wells from the Green River Formation, Southwestern Wyoming

By John R. Dyni, Tracey J. Mercier, and Michael E. Brownfield

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Fischer Assay Histograms of Oil-Shale Drill Cores and Cuttings from the Great Divide, Green River, and Washakie Basins, Southwestern Wyoming

By Michael E. Brownfield, Jesse G. Self, and Tracey J. Mercier

Introduction

This CD-ROM includes reports on Fischer assays (Chapter 1 folder) and oil-yield histograms (Chapter 2 folder) of samples of cores and cuttings from exploration drill holes drilled in the Eocene Green River Formation in the Great Divide, Green River, and Washakie Basins of southwestern Wyoming. A database was compiled that includes about 47,000 Fischer assays from 186 core holes and 240 rotary drill holes ([WY_Oil_Shale_Assays.xls](#)). 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 ([WY_Borehole_Info.xls](#)) and included in the CD-ROM.

These Wyoming Fischer assays and histograms are part of a much larger collection of oil-shale information that includes geophysical and lithologic logs, water data, and chemical and X-ray diffraction analyses on the Green River oil-shale deposits in Colorado, Utah, and Wyoming held by the U.S. Geological Survey (USGS). Because of an increased interest in oil shale, this CD-ROM containing Fischer assay data and oil-yield histograms for the Green River oil-shale deposits in southwestern Wyoming is being released to the public.

CD-ROM Contents

The CD-ROM is organized as follows:

Openfirst.pdf—Main contents with links to the Read First and ReadMe pdf files and to the Chapter 1 and Chapter 2 reports.

Read First.pdf—An introduction document listing the contents of the CD-ROM and a link to Readme.pdf.

ReadMe.pdf—An introduction document with links to the Chapter 1 and Chapter 2 documents and the [WY_Oil_Shale_Assays.xls](#) and [WY_Borehole_Info.xls](#) spreadsheets.

/Assays folder—Contains the original Fischer assay data in text format.

Chapter 1 folder—Contains the Chapter 1 document describing the Fischer assay data and the Images folder.

Images folder—Contains images of the original laboratory reports.

Chapter 2 folder—Contains the Chapter 2 document describing oil-yield histograms and the Grapher and Histograms folders.

Grapher folder—Contains original Grapher files.

grapher_pdf folder—Contains original Grapher files in PDF format.

Histograms folder—Contains oil-yield histograms in PDF format

Spatial folder—Contain spatial data for 907 holes in the Greater Green River Basin.

Spreadsheets folder—Contains the WY_Borehole_Info and WY_Oil_Shale_Assays spreadsheets and the WY_Oil_Shale_Assays database. The spreadsheets are also included in text format.

Contact Information

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

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Using This CD-ROM

The descriptive and interpretive text chapters of this volume are in PDF format. Use Acrobat Reader to access and bring up these chapters. Acrobat Reader can be downloaded free from www.Adobe.com for your type of computer in the appropriate version.



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