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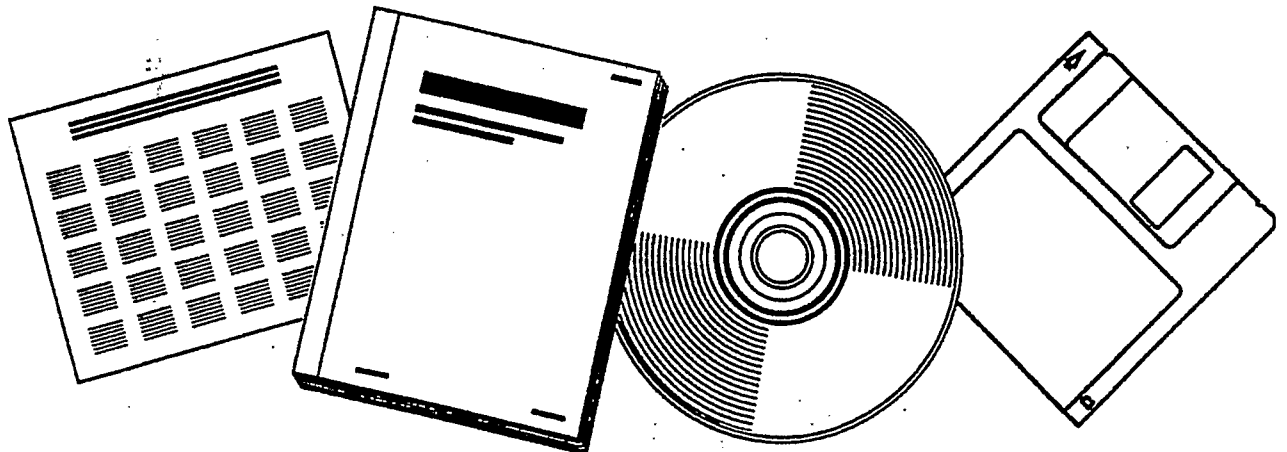
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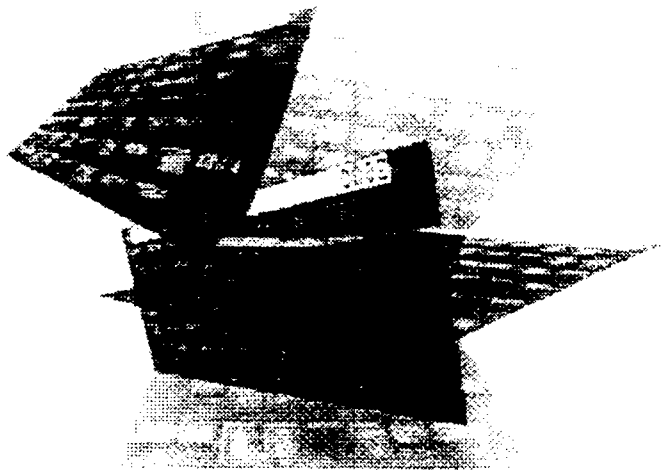
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Proceedings of the Natural Gas R&D Contractors Review Meeting

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FOREWORD

The Natural Gas Research and Development Contractors Review Meeting was held April 18 and 19, 1989, at the Sheraton Lakeview Resort and Conference Center in Morgantown, West Virginia. This meeting was sponsored and hosted by the Morgantown Energy Technology Center of the U. S. Department of Energy (DOE).

The purpose of this meeting is to present key results of research in the DOE sponsored Natural Gas Program and to simultaneously provide real time technology transfer to the interested public. Over the past year, the DOE Natural Gas Research and Development program has been broadened in scope to include emphasis on the geoscience aspects that relate to eventual gas recovery, gas utilization, and research to recover additional gas from producing or previously produced fields. Major emphasis is on activities in Eastern Gas, Western Gas, Secondary Gas Recovery, Natural Gas to Liquids, Gas Hydrates, Deep Gas and Arctic/Offshore Research. With the increased national emphasis on the use of natural gas, this forum was expanded to include summaries on DOE sponsored research in energy related programs and on perspectives of industry research.

Forty-one papers and fifteen poster presentations were given in seven formal sessions and one informal session:

- Two General Sessions (7 papers)
- Natural Gas to Liquids (7 papers)
- Eastern Gas (6 papers)
- Western Gas (11 papers)
- Hydrates/Deep Gas (5 papers)
- Arctic/Offshore (5 papers)

We gratefully acknowledge the participation of Amoco, the University of Texas, the Gas Research Institute, and the Institute of Gas Technology, as well as the DOE Office of Basic Energy Sciences, the DOE Office of Conservation and Renewable Energy, the DOE Office of Geoscience Research and the DOE/Pittsburgh Energy Technology Center in the general sessions. The papers printed in these proceedings have been reproduced from camera-ready manuscripts provided by the authors. They have been neither refereed nor extensively edited.

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