665.4 OIL_O

CONTENTS

		Page
1.	The Department of Energy's Oil Skhale R,D, &D Program : An Overview	1
2.	Computer Simulation of Explosive Fracture of Oil Shale	13
3.	Fracturing of Oil Shale by Treatment with Liquid Sulfur dioxide	25
4.	Chemistry of Shale Oil Cracking	39
5.	Hydrogen Sulfide Evolution from Colorado Oil Shale	61
6.	A Possible Mechanism of Alkene / Alkane Production in Oil Shale Retorting	79
7.	Oil Shale Retorting Kinetics	93
8.	Kinetics of Oil Shale Char Gasification	115
9.	A Comparison of Asphaltenes from Naturally Occurring Shale Bitumen and Retorted Shale Oils : The Influence of Temperature on Asphaltene Structure	129
10.	Beneficiation of Green River il Shale by Density Methods	139
11.	Beneficiation of Green river Oil Shale by Pelletization	155
12.	Shell Pellet Heat Exchange Retorting : The SPHER Energy Efficient Process for Retorting Oil Shale	167
13.	Retorted Oil Shale Disposal Research	183
14.	An Investigation into the Potential Economics of Large-Scale Shale Oil Production	195
15.	Commercial-Scale Refining of Paraho Crude Shale Oil into Military Specification Fuels	223
16.	Relation Between Fuel Properties and Chemical Composition Chemical Characterization of U.S. Navy Shale-II Fuels	237
17.	Relation Between Fuel Properties and Chemical Composition Physical Properties of U.S. Navy Shale-II Fuels	253
18.	Relation Between fuel Properties and Chemical Composition Stability of Oil Shale-Derived Jet Fuel	267
19.	Pyrolysis of Shale Oil Residual Fractions	285
20.	Synfuel Stability: Degradation Mechanisms and Actual Findings	297
21.	The Chemistry of Shale Oil and Its Refined Products	315
22.	The Reactivity of Cold Lake Asphaltenes	327
23.	Influence of Thermal Processing on the properties of Cold Lake Asphaltenes: The Effect of Distillation	347
24.	Thermal Recovery of Oil from Tar Sands by an Energy-Efficient Process	359
25.	Hydropyrolysis : The Potential for Primary Upgrading of Tar Sand Bitumen	369
Index		381