



GUSTAVSON ASSOCIATES
GEOLOGISTS • ENGINEERS • ECONOMISTS • APPRAISERS

Petroleum Exploration Onshore in South China

Table of Contents

VOLUME I

	Page
EXECUTIVE SUMMARY	1.1
TABLE OF CONTENTS	2.1
INTRODUCTION.....	3.1
BACKGROUND	3.1
RECONNAISSANCE GEOLOGY	3.2
PRODUCTION HISTORY.....	3.3
BUSINESS LOGISTICS AND THE COMMERCIAL ENVIRONMENT.....	3.3
GENERAL GEOLOGY	3.4
Tectonic Development	3.4
Geological Development.....	3.5
CONTRIBUTING AUTHORS	3.9
International Staff of Gustavson Associates, Inc.....	3.9
Professional Staff of China Ventures, Inc.	3.10
GUANGDONG PROVINCE	4.1
GENERAL GEOLOGY	4.1
Proterozoic.....	4.1
Paleozoic	4.1
Mesozoic.....	4.1
Cenozoic.....	4.2



GUSTAVSON ASSOCIATES
GEOLOGISTS • ENGINEERS • ECONOMISTS • APPRAISERS

Plutonic Activity	4.2
RESERVOIR ROCKS.....	4.2
SOURCE ROCKS AND MATURATION.....	4.2
ENTRAPMENT AND ANALOGOUS MODELS	4.3
HYDROCARBON FAVORABILITY	4.3
GENERAL INFORMATION	4.6
HUNAN PROVINCE	5.1
GENERAL GEOLOGY	5.1
Proterozoic.....	5.1
Paleozoic	5.1
Mesozoic.....	5.2
Cenozoic.....	5.2
Plutonic Activity	5.2
RESERVOIR ROCKS.....	5.2
SOURCE ROCKS AND MATURATION.....	5.3
ENTRAPMENT AND ANALOGOUS MODELS	5.5
HYDROCARBON FAVORABILITY	5.5
GENERAL INFORMATION	5.7
YUNNAN PROVINCE	6.1
GENERAL GEOLOGY	6.1
Proterozoic.....	6.1
Paleozoic	6.1
Mesozoic.....	6.1
Cenozoic.....	6.1
RESERVOIR ROCKS.....	6.1



GUSTAVSON ASSOCIATES
GEOLOGISTS • ENGINEERS • ECONOMISTS • APPRAISERS

SOURCE ROCKS AND MATURATION.....	6.3
ENTRAPMENT AND ANALOGOUS MODELS	6.3
HYDROCARBON FAVORABILITY	6.3
GENERAL INFORMATION	6.4
ANHUI PROVINCE	7.1
GENERAL GEOLOGY	7.1
Proterozoic.....	7.1
Paleozoic	7.1
Mesozoic.....	7.1
Cenozoic.....	7.2
Plutonic Activity	7.2
RESERVOIR ROCKS.....	7.2
SOURCE ROCKS AND MATURATION.....	7.2
ENTRAPMENT AND ANALOGOUS MODELS	7.3
HYDROCARBON FAVORABILITY	7.3
GENERAL INFORMATION	7.4
JIANGXI PROVINCE	8.1
GENERAL GEOLOGY	8.1
Proterozoic.....	8.1
Paleozoic	8.1
Mesozoic.....	8.2
Cenozoic.....	8.2
Plutonic Activity	8.2
RESERVOIR ROCKS.....	8.2
SOURCE ROCKS AND MATURATION.....	8.2



GUSTAVSON ASSOCIATES
GEOLOGISTS • ENGINEERS • ECONOMISTS • APPRAISERS

ENTRAPMENT AND ANALOGOUS MODELS	8.3
HYDROCARBON FAVORABILITY	8.4
GENERAL INFORMATION	8.5
JIANGSU PROVINCE.....	9.1
GENERAL GEOLOGY	9.1
Proterozoic.....	9.1
Paleozoic	9.1
Mesozoic.....	9.1
Cenozoic.....	9.1
Plutonic Activity	9.1
RESERVOIR ROCKS.....	9.2
SOURCE ROCKS AND MATURATION.....	9.4
ENTRAPMENT AND ANALOGOUS MODELS	9.5
HYDROCARBON FAVORABILITY	9.6
GENERAL INFORMATION	9.8
ZHEJIANG PROVINCE	10.1
GENERAL GEOLOGY	10.1
Proterozoic.....	10.1
Paleozoic	10.1
Mesozoic.....	10.1
Cenozoic.....	10.1
Plutonic Activity	10.2
RESERVOIR ROCKS.....	10.2
SOURCE ROCKS AND MATURATION.....	10.2
ENTRAPMENT AND ANALOGOUS MODELS	10.3



GUSTAVSON ASSOCIATES
GEOLOGISTS • ENGINEERS • ECONOMISTS • APPRAISERS

HYDROCARBON FAVORABILITY	10.3
FUJIAN PROVINCE	10.5
GENERAL GEOLOGY	10.5
Proterozoic.....	10.5
Paleozoic	10.5
Mesozoic.....	10.5
Cenozoic.....	10.5
Plutonic Activity	10.5
RESERVOIR ROCKS.....	10.6
SOURCE ROCKS AND MATURATION.....	10.6
ENTRAPMENT AND ANALOGOUS MODELS	10.6
HYDROCARBON FAVORABILITY	10.7
GENERAL INFORMATION (ZHEJIANG PROVINCE)	10.8
GENERAL INFORMATION (FUJIAN PROVINCE)	10.11
GUANGXI AUTONOMOUS REGION	11.1
GENERAL GEOLOGY	11.1
Proterozoic.....	11.1
Paleozoic	11.1
Mesozoic.....	11.1
Cenozoic.....	11.1
Plutonic Activity	11.1
RESERVOIR ROCKS.....	11.2
SOURCE ROCKS AND MATURATION.....	11.2
ENTRAPMENT AND ANALOGOUS MODELS	11.3
HYDROCARBON FAVORABILITY	11.5



GUSTAVSON ASSOCIATES
GEOLOGISTS • ENGINEERS • ECONOMISTS • APPRAISERS

GENERAL INFORMATION	11.8
GUIZHOU PROVINCE	12.1
GENERAL GEOLOGY	12.1
Proterozoic.....	12.1
Paleozoic	12.1
Mesozoic.....	12.1
Cenozoic.....	12.2
Plutonic Activity	12.2
RESERVOIR ROCKS.....	12.2
SOURCE ROCKS AND MATURATION.....	12.3
ENTRAPMENT AND ANALOGOUS MODELS	12.4
HYDROCARBON FAVORABILITY	12.5
GENERAL INFORMATION	12.6
NATIONAL PRODUCTION HISTORY-CHINA	13.1
HISTORY AND RESERVES	13.3
FRONTIER EXPLORATION	13.6
FOREIGN PARTICIPATION.....	13.8
FIELD PRODUCTION AND DRILLING ACTIVITY	13.12
PRODUCTION EQUIPMENT AND SERVICES	13.17
PROJECTED CRUDE OIL SUPPLY	13.19
SOUTH CHINA PRODUCTION	14.1
SEISMIC AND DRILLING ACTIVITY	15.1
HISTORY OF OFFSHORE EXPLORATION	15.1



GUSTAVSON ASSOCIATES
GEOLOGISTS • ENGINEERS • ECONOMISTS • APPRAISERS

EARLY OFFSHORE DRILLING RESULTS	15.5
OFFSHORE RIG COUNT AND DEVELOPMENT PROGRAMS	15.10
BIBLIOGRAPHY	16.1