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**PROFESSIONAL STANDARD OF THE PEOPLE'S
REPUBLIC OF CHINA**

中华人民共和国石油天然气行业标准

SY/T 10011-2006

Replace SY/T 10011-1997

**Guide to programing overall development
program for oil fields
油田总体开发方案编制指南**

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Foreword

This Standard involves in the various professions of programming overall development program for oil fields, which is an important standard to guide to programming overall development program for oil fields. This Standard replaces SY/T 10011-1997 *Guide to Programming Overall Development Program for Offshore Oil Fields*.

This Standard is divided into 14 chapters: Chapter 1 is "Scope"; Chapter 2 is " Normative references"; Chapter 3 is "Terms and definitions"; Chapter 4 proposes "Basic conditions of programming overall development program"; Chapter 5 specifies "Outline of programming overall development program for oil fields"; Chapter 6~13 specifies the basic contents of each volume of "overall development program report"; Chapter 14 proposes "Programming requirements of report"; Energy saving principle and requirement have been integrated in the chapters of this Standard, so it will not be listed separately.

This Standard, in comparison with SY/T 10011—1997, has the major change as follows:

- Add the "Terms and definitions" in order to clear the early study stages and corresponding requirements of the development (see Chapter 3 of the edition);
- Add the "Basic Condition of Programming Overall Development Program", and clearly propose the basic conditions of programming the program (see Chapter 4 of the edition);
- According to the latest national requirements, modify the chapters to combine the "Occupational health, safety and environmental protection" into one chapter;
- Add the "Attachment" and cancel the appendix, in order to improve the programming quality and efficiency and reduce the length of the body;
- In addition, this Standard extends the adaption to the requirements of SY/T 10011—1997 according to the actual situations and needs on land, and adds or deletes the contents accordingly.

This Standard is proposed and centralized by the Petroleum Industry Standardization Technical Committee.

This Standard is drafted by: China National Offshore Oil Corporation, China National Petroleum Corporation, PetroChina Company Limited, China Petrochemical Corporation,

and China Petroleum & Chemical Corporation.

The main drafters of this standard: Sun Jialing, Jin Yunming, He Luping, Hou Guihua, Zhao Xiangsheng, Yang Changhu, Wang Shiqing and Yang Xueyan.

The issuances of previous versions of the standard replaced by this Standard are as follows:

——SY/T 10011—1997.

Guide to programing overall development program for oil fields

1 Scope

This Standard specifies the main contents and programming requirements of the overall development program for oil fields. This Standard is applicable to programming the overall development program for oil fields.

2 Normative references

The articles contained in the following documents have become this Standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 9052.1 Liquefied petroleum gas of oil and gas field

GB 9053 Natural gasoline

GB/T 19492 Classifications for petroleum resources/reserves

DZ/T 0217 Regulation of petroleum reserves estimation

SY/T 5087 Recommended practice for safe drilling operations involving hydrogen sulfide

SY/T 5225 Safety production technology procedures for fire & explosive protection of oil & gas drilling, development and storage transportation

SY 6320 Safety regulation of petroleum gathering and transportation in land oil and gas field

State Economic and Trade Commission of People's Republic of China (September, 29 2000) Safety Rules for Offshore Fixed Platform

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions shall apply.

3.1

Early study for oil fields development

It refers to the multi-professional study works from the finding of the underground oil gas

to the proposition of “overall development program”.

3.2

Overall development program for oil fields

It refers to the program submitted at the end of the early study stage of oil fields development, including the geology and oil reservoir engineering of oil fields development, drilling completion and oil production technology, ground/offshore oil engineering, health, safety and environmental protection, oil and gas market, development cost estimation and economic appraisal and other aspects of optimized study results, which is the basis and guidance document for oil fields development decisions.

4 Basic conditions of programming the overall development program

4.1 Basic information

Basic information needed for programming the overall development program include:

- a) Seismic data (including seismic data acquisition, basic information processing, 2D seismic profile or 3D seismic data volume, vertical seismic profile (VSP), etc.)
- b) Drilling, coring, mud logging, well logging, testing and pilot production results, etc.
- c) Routine core analysis laboratory results and special core analysis results, etc.
- d) Routine analysis of oil, gas and water and high-pressure physical property analysis report of crude oil, etc.
- e) Expert review opinions of early study results before programming the multi-professional overall development program.

4.2 Study reports

Study reports needed for programming the overall development program include:

- a) Geological reserves report and attachments.
- b) Special study report related to the difficulties of development technology
- c) Multi-professional study reports needed by programming the overall development program.
- d) Other relevant study reports.

4.3 Other conditions

Other conditions needed for programming the overall development program include:

- a) The reserves reports of oil fields have been approved.



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