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

GB/T 47034.1-2026

**Petroleum and natural gas industries - Enhanced oil recovery
terminology - Part 1: General terminology**

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Table of Contents

1.Scope	1
2 Normative References	1
3.Basic Terminology	1
4.Thermal oil recovery	1
5 Chemical flooding 3 6 air-driven	4
5 Index	7

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 1 of GB/T 47034, "Terminology for Enhanced Oil Recovery in the Oil and Gas Industry". GB/T 47034 has been... The following sections were published.

1.General Terminology. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Petroleum and Natural Gas (SAC/TC355). This document was drafted by: Exploration and Development Research Institute of China National Petroleum Corporation, Daqing Oilfield Company Limited, and China Petroleum & Chemical Corporation. Petroleum Exploration and Development Research Institute of China Petroleum & Chemical Corporation, China Petroleum International Exploration and Development Company, China University of Petroleum (Beijing) China National Petroleum Corporation (CNPC) and China National Offshore Oil Corporation (CNOOC) Research Institute Co., Ltd. The main drafters of this document are. Lü Weifeng, He Xuyu, Zhang Chengguang, Sun Zuoxing, Zhao Dan, Pang Zhanxi, Ren Lixin, Han Ruijing, Zhao Liangdong, and Ding Bin. Gao Ming, Zhang Qun, Lü Bolin, Sun Yuanhui, Zhu Yangwen, Zhang Li, Liu Hongying, Cao Yanfeng, Du Xiaoyou, Yang Maoyuan, Yang Kai, Song Xianzhi, Huang Shijun, Sun Liangwei Hou Zhaowei, Peng Shukai, Li Yangcheng, Cao Ruibo, Lü Xinqian, Zhao Xiaojing, Zhang Shiqi, Zhang Song, Cai Cheng, Li Mantian.

With the continuous development of my country's oil and gas industry, the importance of enhancing crude oil recovery has become increasingly prominent. This field involves a variety of technologies. Application of methods. In oilfield development activities such as production, management, scientific research, education, and services, the standardization of terminology is conducive to promoting technological innovation. Encouraging research

and development, and encouraging enterprises and research institutions to conduct more exploration and practice in the field of enhanced oil recovery, will help achieve the standardization and regulation of technologies. Standardization improves the replicability and scalability of technology, while also providing a fundamental guarantee for the exchange of technology. GB/T 47034, "Terminology for Enhanced Oil Recovery in the Oil and Gas Industry," is proposed to consist of five parts.

1.General Terminology. The purpose is to define general terminology related to enhanced oil recovery.

2.Thermal Oil Recovery. The purpose is to define the terminology related to thermal oil recovery.

3.Chemical Flooding. The purpose is to define the terminology related to chemical flooding.

4.Air Drive. The purpose is to define the terminology related to air drive.

5.Microbial Enhanced Oil Recovery. The purpose is to define the terminology related to microbial enhanced oil recovery. Oil and gas industry terminology for enhanced oil recovery Part

1 Scope

GB/T 47034.1-2026 is the Chinese national standard covering the vocabulary of enhanced oil recovery - the water, gas, chemical and thermal methods, the displacement and sweep terms, the recovery factors and the screening criteria by which a method is matched to a reservoir. Part 1 of the series, first edition, in force since 1 May 2026. It was issued on 28 January 2026 and has been in force since 1 May 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document defines the general terminology used in major enhanced oil recovery methods, including thermal recovery, chemical flooding, gas flooding, and microbial enhanced oil recovery. and definition. This document applies to production, management, research, education, and service activities related to enhancing oil recovery in oilfield development.

2 Normative references

This document has no normative references.

3 Basic Terminology

3.1 Oil recovery ratio Under certain technical and economic conditions, the percentage of

recoverable crude oil in an oil reservoir relative to its original geological reserves.

3.2 Enhanced oil recovery (EOR) By employing methods such as thermal oil recovery, chemical flooding, gas flooding, and microbial enhanced oil recovery, the sweep efficiency and/or oil displacement efficiency of the displacement medium can be improved. Increase crude oil production.

3.3 Sweep efficiency The percentage of reservoir volume affected by the oil displacement medium in the reservoir relative to the reservoir volume controlled by the well pattern.

3.4 The ratio of the amount of crude oil displaced from the rock pores by the oil displacement medium to the original amount of oil in the pores.

4 Thermal oil recovery

4.1 Thermal recovery Oil recovery is achieved by heating the oil reservoir through methods such as injecting hot fluids or in-situ combustion of crude oil. The method.

4.2 Steamhuff and puff An oil production method that involves injecting a certain amount of steam into a well, allowing it to sit for a certain period of time, and then opening the well for production.