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Oil and gas industries including lower carbon energy — Enhanced oil recovery terms and definitions —

Part 1: General vocabulary

Industries du pétrole et du gaz, y compris les énergies à faible teneur en carbone — Termes et définitions relatifs à la récupération améliorée des hydrocarbures —

Partie 1: Vocabulaire général

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This document was prepared by Technical Committee ISO/TC 67, *Oil and gas industries including lower carbon energy*, Subcommittee SC 10, *Enhanced oil recovery*.

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Introduction

As enhanced oil recovery (EOR) technologies continue to advance and international collaborative projects increase in number, there is a growing global demand for international standardization in this field. As a universal technical language, terminology standards play a foundational role in international collaboration by clearly defining the scope of the field and delineating boundaries with related disciplines.

To maintain terminological coherence across international EOR standards and to prevent conflicts in application arising from ambiguous or contradictory definitions, coordinated efforts in standardization are essential. The ISO 25206 series is being developed to establish a coherent framework of mutually reinforcing definitions, ensuring conceptual alignment across all relevant international standards. This systematic approach guarantees that precisely defined common terminology forms the essential basis for both the understanding and implementation of EOR standards worldwide.

Based on the displacement medium and underlying mechanism, EOR is generally classified into the following main types:

— thermal recovery;

— gas flooding;

— chemical flooding;

— microbial enhanced oil recovery.

This document provides general terms and definitions related to EOR, including fundamental concepts covering the field and its subdivisions, as well as terms describing the major EOR technologies and their associated processes. More specialized terminology for each specific category is defined in other parts of the ISO 25206 series.

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