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

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**Technical specifications for drilling parallel horizontal wells
(English Translation)**

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Table of Contents

Preface
1 Scope
2 Normative References
3 Terms and Definitions
4 General Requirements
5 Construction Preparation
5.1 Document
5.2 Equipment, Tools and Instruments
5.3 Well Site Layout and Equipment Installation
6 Construction operations
6.2 Construction of the Second Wellbore
Appendix A (Normative) Well Completion Report

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".

1 Scope

This document specifies the general requirements, construction preparation, construction operation technical requirements, and well completion report format for parallel horizontal wells, and describes

Methods for precise control of the wellbore trajectory of the first and second wells, and methods for verification.

This document applies to onshore oil and gas well engineering operations. Offshore oil and gas well engineering and other similar underground engineering operations shall refer to this document for implementation.

2 Normative references

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 8423 (all parts) Terminology for the Oil and Gas Industry

GB/T 28911 Terminology for Oil and Gas Drilling Engineering

SY/T 5088 Drilling Wellbore Quality Control Specification

SY/T 5132 Quality Specification for Raw Data from Petroleum Well Logging

SY/T 5416.1 Measurement and inspection of directional well surveying instruments - Part 1: Drilling-while-drilling instruments

SY/T 5416.2 Measurement and Inspection of Directional Well Surveying Instruments - Part 2: Electronic Single and Multi-point Types

SY/T 5416.3 Measurement and Inspection Instruments for Directional Wells - Part 3: Gyroscopes

SY/T 5435 Directional Well Trajectory Design and Calculation

SY/T 5466 Technical Requirements for Pre-drilling Engineering and Well Site Layout

SY/T 5619 Design Method for Downhole Drill String Assembly in Directional Wells

SY/T 5955 Directional Wellbore Trajectory Quality

SY/T 6332 Directional Well Trajectory Control

SY/T 6396 Cluster Well Platform Layout and Wellbore Collision Prevention Technical Requirements

SY/T 6438 Quality Control Specification for Logging Data

SY/T 7452 Measurement and Inspection of Rotary Magnetic Source Magnetic Guidance Instrument

SY/T 7488 Requirements for Collision Prevention and Post-Collision Handling of Offshore Cluster Well Arrays

3 Terms and Definitions

3.1

A horizontal well with parallel horizontal sections

3.2 Magnetic guidance directional drilling

Directional drilling achieves high-precision control of wellbore trajectory by detecting and analyzing the distribution characteristics of formations or artificial magnetic fields using magnetic guidance instruments.