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Choke and kill hose and hose assemblies

节流压井软管及软管组合件

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Rubber and Rubber Products of Standardization (SAC/TC35).

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Choke and kill hoses and hose assemblies

1 Scope

This document specifies the structure and classification, requirements, inspection rules, It also describes the requirements for marking, packaging, transportation, storage, etc. and

the test methods for related performance.

This document is applicable to hoses and hose assemblies in choke and well-killing systems, conveying media such as mud and well-killing fluid, with an inner diameter of 51mm~ 102mm, the maximum working pressures are 34.5MPa, 69.0MPa, 103.5MPa, 138.0MPa respectively, and the working temperature is between -29°C~ 121°C hoses and hose assemblies.

2 Normative references

GB/T 7528

GB/T 9573

GB/T 9576

GB/T 9577

GB/T 22513-2023

ISO 15156

ISO 15156

3 Terms and Definitions

The terms and definitions defined in GB/T 7528 apply to this document.

4.1 Hose

4.1.1 The hose consists of an inner lining layer, a reinforcement layer, and an outer covering layer (fire retardant layer). An armor layer may be provided upon request.

4.1.2 The inner lining is made of rubber or other polymer materials.

4.1.3 The reinforcement layer is composed of multiple strands of steel wire, steel rope and other materials.

4.1.4 The outer covering is composed of rubber or other polymer materials. The outer covering of hose assemblies with fire resistance requirements is required to have fire resistance properties.