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

GB/T 28259-2012

**Petroleum and natural gas industries -- Downhole equipment --
Subsurface safety valve equipment**

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	3
4 Abbreviations	6
5 Functional Specification	6
6 Technical specifications	8
7 Supplier (manufacturer) requirements	13
8 Repair (maintenance)	20
9 Storage and transport ready	21
Appendix A (normative) bodies require	22
Appendix B (normative) validation testing requirements	24
Annex C (normative) functional testing requirements	33
Annex D (informative) minimum leakage after closure of the non-mandatory requirements	38
Annex E (informative) operating range	39
Annex F (normative) data requirements, Figure (schematic) and Form	41
References	64

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses redrafted Law Amendment uses ISO 10432.2004 "oil and gas industries - Downhole equipment - Subsurface safety valve" (English

Chinese Version).

This part of ISO 10432.2004 technical differences are as follows.

--- On normative references, this part has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation

Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- * Modify with international standards of GB/T 228.1 instead of ISO 6892-1 (see 7.2.2.1);
- * Modify with international standards of GB/T 230.1 instead of ISO 6508-1 (see 7.2.2.1);

- * Modify with international standards of GB/T 231.1 instead of ISO 6506-1 (see 7.2.2.1);
- * equivalents adoption of international standards GB/T 1040.1 replaces ISO 527-1 (see 7.2.2.2);
- * equivalents adoption of international standards GB/T 2828.1 replaces ISO 2859-1 (see 7.6.3);
- * Modify with international standards of GB/T 3452.1 replaces ISO 3601-1 (see 7.6.3);
- * equivalents adoption of international standards GB/T 3452.2 replaces ISO 3601-3 (see 7.6.3);
- * Modify with international standards of GB/T 4340.1 replaces ISO 6507-1 (see 7.2.2.1);
- * equivalents adoption of international standards GB/T 6031 instead of ISO 48 (see 7.2.2.2, 7.6.3);
- * equivalents adoption of international standards GB/T 9253.2 instead of APISPEC5B (see 7.6.5.1);
- * equivalents adoption of international standards GB/T 9445 instead of ISO 9712 (see 7.6.7.1.1, 7.6.8.1, 7.6.8.2);
- * equivalents adoption of international standards GB/T 15481 replaces ISO 17025 (see A.1);
- * equivalents adoption of international standards GB/T 16783.1 instead of ISO 10414-1 (see A.2, B.12.4, B17.4);
- * equivalents adoption of international standards GB/T 19000 replaces ISO 9000 (see Chapter 3);
- * with the GB/T 20972 (all parts) instead of the ISO 15156 (all parts), the degree of consistency between the various parts of the two criteria as follows.
- * GB/T 20972.1 "oil and gas industry for oil and gas exploration in hydrogen sulfide containing environments materials - Part 1. Options
Optional anti-crack material general principles "(GB/T 20972.1-2007, ISO 15156-1.2001, IDT);
- * GB/T 20972.2 "oil and gas industry for oil and gas exploration materials containing hydrogen sulfide environment - Part 2. Anti
Cracking of carbon steel, low alloy steel and cast iron "(GB/T 20972.2-2008, ISO 15156-2.2003, MOD);
- * GB/T 20972.3 "oil and gas industry for oil and gas exploration materials containing

hydrogen sulfide environments - Part 3. Anti

Cracking corrosion resistant alloys and other alloys "(GB/T 20972.3-2008, ISO 15156-3MOD).

* equivalents adoption of international standards GB/T 21410 replaces ISO 16070 (see 6.3.2.5);

* equivalents adoption of international standards GB/T 21412.3 instead of ISO 13628-3 (see 6.3.6);

* equivalents adoption of international standards GB/T 22342 replaces ISO 10417 (see 7.10.1,8.2).

This standard made the following editorial changes.

--- Remove the ISO 10432.2004 Foreword and Introduction;

--- Remove the ISO 10432. "provisions Note" file in 2004 about the standard reference relationships with other available file specification.

This standard by the national oil drilling equipment and tools for Standardization Technical Committee (SAC/TC96) and focal points.

This standard is drafted by. Only in Zhejiang letter Petroleum Machinery Co., Ltd., China Petroleum & Chemical Corporation Petroleum Exploration and Development Institute

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Oil Corporation, Texas continental shelf Petroleum Engineering Technology Co., Ltd.

1 Scope

This standard acceptable downhole safety valve (SSSV) the minimum requirements, covering all parts of the downhole safety valve, these parts and

Tolerance and the gap member can affect subsurface safety valve performance or compatibility, as well as maintenance operations and related flow control equipment interface, but

Not involved in connection with the downhole string.

NOTE. subsurface safety valve is an emergency safety device, not to reduce the production/injection rate, discontinued operations and other purpose, nor be used as a return valve.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 228.1 metallic materials at room temperature tensile test of the first part test method (GB/T 228.1-2010, ISO 6892-1.

2009, MOD)

GB/T 230.1 Metallic Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T scale)

(GB/T 230.1-2004, ISO 6508-1.1999, MOD)

GB/T 231.1 Brinell hardness test - Part 1. Test method (GB/T 231.1-2009, ISO 6506-1.2005,

MOD)

GB/T 1040.1 Tensile Properties of Plastics Testing - Part 1 General (GB/T 1040.1-2006, ISO 527-1.1993,

IDT)

GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan

(GB/T 2828.1-2003, ISO 2859-1.1999, IDT)

GB/T 3452.1 hydraulic and pneumatic rubber O-ring Part 1 - Dimensions and tolerances (GB/T 3452.1-2005,

ISO 3601-1.2001, MOD)

GB/T 3452.2 hydraulic and pneumatic rubber O-rings - Part 2 appearance quality inspection standard (GB/T 3452.2-2007,

ISO 3601-3.2005, IDT)

GB/T 4340.1 Vickers hardness test - Part 1. Test method (GB/T 4340.1-2009, ISO 6507-1.2005,

MOD)

GB/T 6031 vulcanized rubber or thermoplastic rubber hardness measurement (10 ~ 100IRHD) (GB/T 6031-1998, ISO 48.