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Affected Publication: API Specification 16C, *Choke and Kill Equipment*, Second Edition, March 2015

ERRATA 4

(including changes from Errata 1, July 2015; Errata 2, November 2015; and Errata 3, February 2016)

Page vi, **Contents**, *replace*:

10.9 Hydraulic Control System—Drilling Chokes

10.11 Buffer Chamber

with

10.9 Hydraulic Control System—Drilling Chokes

10.10 Articulated Choke and Kill Lines

10.11 Buffer Chamber

Page vii, **Contents, Tables**, entry for **Table 3**, *replace*:

Swivel Joint

with

Swivel Union

Page 2, **2 Normative References**, *add*:

ASME Boiler and Pressure Vessel Code (BPVC) 2004, Section VIII, Division 2, Appendix 6

and

*ASQ Z1.4, Sampling Procedures and Tables for Inspection by Attributes
(removed from Bibliography)*

Page 4, **Definition 3.1.4**, *replace*:

swivel joint

with

swivel union

Page 6, **Definition 3.1.30**, *insert the NOTE*:

NOTE This would include the tolerance criteria used during the design of a part and its mating parts.

Page 7, *insert definition* (moved from **B.12.1**):

3.1.43

leak

Loss of pressure integrity in the flexible pipe assembly, but which allows a significant quantity of flow between the opposing end connectors enough to allow a continued temporary limited use in its intended service.

Pages 7 through 9, *subsequent definition numbers are revised due to above change*.

Page 10, **3.2 Abbreviations**, revise the following abbreviations:

- ASME American Society of Mechanical Engineers (currently identified as ASME International)
- ASTM American Society for Testing and Materials (currently identified as ASTM International)
- NACE National Association of Corrosion Engineers (currently identified as NACE International)

Page 11, **4.2**, replace opening paragraph with:

The following products shall meet the requirements of API 6A, PSL 3 (or higher), and shall have a material Class DD, EE, FF, or HH, with an H₂S partial pressure rating of 1.5 psia (10.34 KPa) or higher, and a temperature rating from Table 1 as appropriate for choke and kill system applications:

Page 13, **Table 3**, in the title, replace:

Swivel Joint

with

Swivel Union

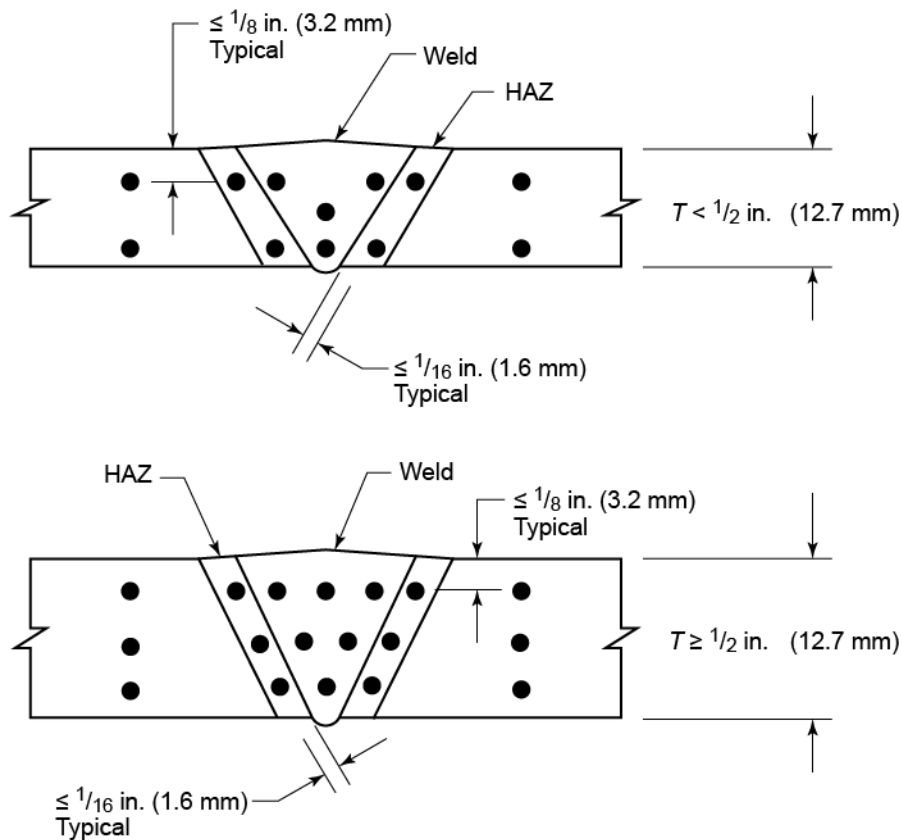
Page 27, **6.3.5.4.2**, second paragraph, replace:

For all thicknesses, HAZ hardness tests shall be performed in the base material with $\frac{1}{16}$ in. (1.6 mm)...

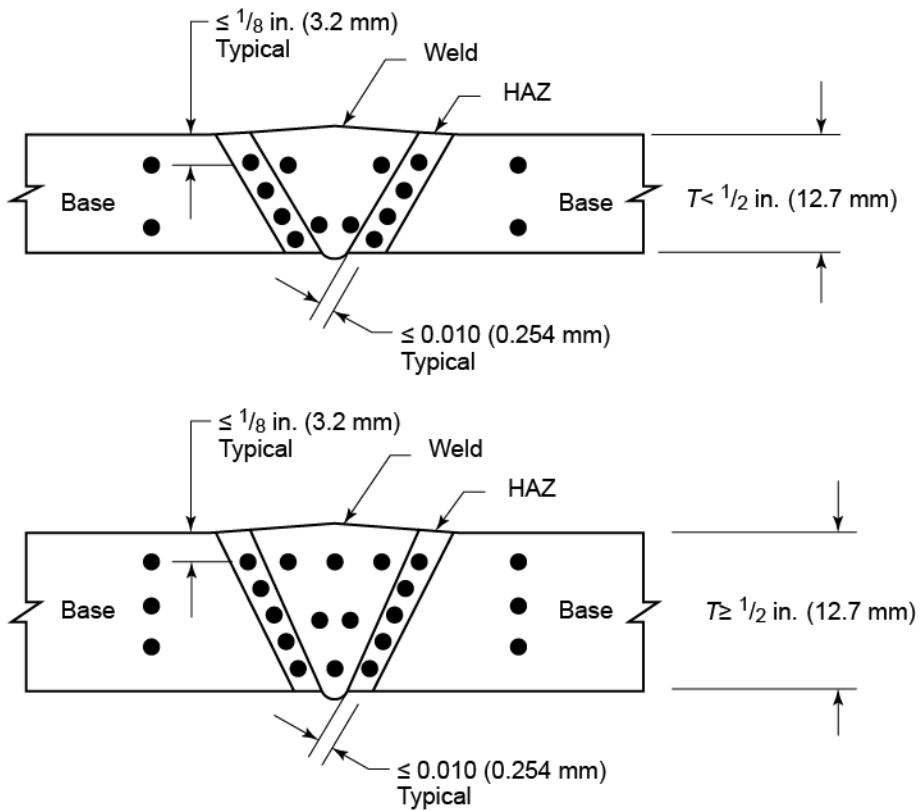
with

For all thicknesses, HAZ hardness tests shall be performed in the base material within $\frac{1}{16}$ in. (1.6 mm)...

Page 27, **Figure 4**, replace the figure:



Page 28, **Figure 5**, *replace the figure:*



Page 37, **7.4.6.5.1**, *replace:*

7.4.6.4.2 through 7.4.6.4.5

with

7.4.6.5.2 through 7.4.6.5.5

Page 39, **7.4.6.9.3**, *replace:*

7.4.6.2.2, 7.4.6.2.3, and 7.4.6.2.4

with

7.4.6.9.2.2, 7.4.6.9.2.3, and 7.4.6.9.2.4

Page 41, **7.4.6.11.3.3**, *replace:*

7.4.6.8

with

7.4.6.9.3

Page 42, **7.4.6.11.4.2**, *replace:*

7.4.6.9.3

with

7.4.6.10.3

Page 44, **7.4.7.2.2**, *replace*:

7.4.6.9

with

7.4.6.10.2

Page 44, **7.4.7.2.4**, *replace*:

7.4.6.9

with

7.4.6.10.2.4

Page 46, **Table 19**, *replace with*:

Table 19—Quality Control Requirements for Non-metallic Sealing Material

Quality Requirement	Section
Dimensional verification	7.4.11.2
Visual examination	7.4.11.3
Hardness testing	7.4.11.4
Documentation	7.4.11.5
Batch traceability	
Cure date certification	
Shelf life expiration date certification	

Page 48, **7.4.13.3.1**, *replace*:

7.4.13.4, and 7.4.13.5

with

7.4.13.3.4, and 7.4.13.3.5

Page 50, **7.4.15.5.1**, *replace entire clause with the following*:

7.4.15.5.1 General

Surface NDE shall be performed on the outside diameter of the rigid pipe after heat treatment in accordance with any of the methods described in 7.4.15.5.2 through 7.4.15.5.5.

Page 52, **7.4.15.6.1.3**, *replace*:

7.4.15.6 a)

with

7.4.15.6.1.4 a)

Page 54, **Table 23**, on Surface NDE row, *replace*:

7.4.6.8

with

7.4.6.9

(Overwritten by changes in Addendum 1)

Page 54, **Table 24**, Actuator [column] and Hydrostatic test [row], *replace*:

7.5.6

with

7.5.6.1

(Overwritten by changes in Addendum 1)

Page 54, **Table 24**, Drilling Choke [column] and Function Test [row], *replace*:

7.5.5.3

with

N/A

(Overwritten by changes in Addendum 1)

Page 55, **7.5.3**, section title, *replace*:

7.5.3 Records

with

7.5.3 Traceability and Records

(Overwritten by changes in Addendum 1)

Page 56, **Table 25**, *under the Hydrostatic Test Pressure column, top two entries, replace*:

3000 (27.60)

4500 (41.40)

with

3000 (20.70)

4500 (31.03)

(Overwritten by changes in Addendum 1)

Page 63, **Table 26**, header row, *replace*:

Articulated Lines Swivel Joints Unions

with

Articulated Lines Swivel Unions

Page 64, **10.2.1 f)**, *replace reference to*:

API 17F

with

API 17D

Page 64, **10.2.2**, *replace*:

API 16C connectors shall be used with pressure ratings as shown in Table 1, Table 2, and Table 3.

with

API 16C connectors shall be used with pressure ratings as shown in Table 2, Table 3, and Table 4.

Page 65, **10.2.4**, *replace reference to:*

API 17F

with

API 17D

Page 65, **10.2.5**, section title, *replace:*

10.2.5 Unions and Swivel Joints

with

10.2.5 Unions and Swivel Unions

Page 65, **10.2.5.3**, **10.2.5.4**, **10.2.5.6**, *replace:*

swivel joints

with

swivel unions

Page 65, **10.2.5.6**, *replace:*

Unions and swivel unions shall be supplied in rated working pressures and sizes in accordance with Table 2.

with

Unions and swivel unions shall be supplied in rated working pressures and sizes in accordance with Table 3.

Page 67, **10.6.1**, third sentence, *replace:*

valve or choke

with

choke

Page 68, **10.6.3.2**, first sentence, *replace:*

10.11.12

with

API 6A

Page 69, **10.6.7 b)**, *replace:*

(51.67 °C)

with

(52 °C)

Page 69, **10.7.4**, first sentence, *replace:*

10.2 or 10.3

with

10.2

Page 69, **10.7.5**, section title, *replace*:

10.7.5 Rigid Choke and Kill Lines

with

10.7.5 Marking

Page 71, **10.8.4**, second sentence, *replace*:

10.2 or 10.3.

with

10.2.

Page 74, **10.9.5.2**, *replace*:

Accumulators shall meet the requirements of ASME BPVC, Section XIII, Division 1.

with

Accumulators shall meet the requirements of ASME BPVC, Section VIII, Division 1.

Page 74, **10.9.8**, *replace*:

10.9

with

10.7

Page 75, **10.10.1.2**, *replace*:

swivel joints

with

swivel unions

Page 77, **10.12.3.3**, *replace*:

10.13

with

10.11

Page 77, **10.12.3.4**, *replace*:

10.9

with

10.7

Page 78, **10.13.1**, *delete redundant clause number* 10.13.1.

Page 85, **B.7.4.2.1**, *replace*:

If gas is substituted for liquid, the criteria in B.7.4.2.2 and B.7.4.2.3 shall be followed.

with

If gas is substituted for liquid, the applicable requirements in B.7.4.2.3 shall be satisfied.

Page 85, **B.7.4.2.1**, *delete clause number B.7.4.2.2 and title, revise to a NOTE. New clause reads:*

B.7.4.2.1 General

The manufacturer may, at his option, substitute gas for liquid where hydrostatic testing is specified, provided the testing method and acceptance criteria for gas testing are used. If gas is substituted for liquid, the criteria in B.7.4.2.3 shall be followed.

NOTE Air, nitrogen, methane, or other gases or mixture of gases may be used.

Pages 85 and 86, **B.7.4.2.3** and **B.7.4.2.4**, *revise clause numbers to B.7.4.2.2 and B.7.4.2.3 (per the change above).*

Page 86, **B.8**, *replace with:*

Pressure/temperature cycles shall conform to the equipment-specific performance requirements specified in Section 10. The maximum test pressure shall be rated working pressure as specified in 4.6. The minimum and maximum test temperatures shall be as specified in conformance with 4.1.

Page 89, **B.9.4.4.3**, first sentence, *replace with:*

A seal that passes the cycle test described in B.9.4.3 and passes the immersion test described in B.9.4.4 is acceptable without further testing.

Page 94, **B.12.1**, *delete last sentence of second paragraph and move last sentence to Section 3.1 (Definitions).*

Page 97, **B.12.6.3**, fourth sentence, *replace:*

0.69 MPa

with

0.7 MPa

Page 107, **E.3**, both sentences, *replace:*

swivel joint

with

swivel union

Page 108, **F.2**, *replace:*

A list of standard sizes is found in Table 1.

with

A list of standard sizes is found in Table 2, Table 3, and Table 4.