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1.0 GENERAL

- 1.1 A welder qualified under this Standard may perform oxy-acetylene butt welds on 2-inch and smaller pipe with a wall thickness of less than 0.188, in either vertical or horizontal position, and at all design pressure stress levels.
- **1.2 Welder must be qualified to perform oxy-acetylene welding on pipe designed to operate at a hoop stress less than 20% of SMYS (refer to Gas Standard D-30).
 - 1.3 Qualification applies only to pipe meeting API 5L or 5LX, or ASTM A53 or A106 specifications.
 - 1.4 Weld procedure, materials and equipment shall be as specified in Standard D-20.

2.0 QUALIFICATION TEST

- 2.1 Qualification shall be performed with 2" nominal diameter by 0.154" wall thickness by 4.5" minimum length test spools (code 02-2057).
- 2.2 One test weld shall be performed in the horizontal fixed position, and one in the vertical fixed position.
- **2.3 This test may be used to satisfy the buttweld requirement for qualification on pipe designed to operate at a hoop stress less than 20% SMYS (Gas Std. D-30, Para. 2.1.1 (1)) if an additional 2 root bends are tested.

 G.O. 112 (latest revision) requires that 3 of 4 coupons pass root bend tests for qualification of welders on low stress level pipe.

3.0 TEST WELD INSPECTION REQUIREMENTS

- 3.1 The test welds shall be visually inspected. See Standard D-40 for inspection requirements. Any weld not meeting these requirements shall be failed without performing destructive tests.
- 3.2 See Page 2 for type and number of destruction tests specimens. Specimens shall be tested in accordance with and meet the requirements of Standard D-31.

*4.0 REQUALIFICATION

4.1 Welders shall be requalified no later than the last day of the sixth calendar month following the calendar month in which the last previous test was satisfactorily passed. The requalification test is the same as the qualification (Section 2).

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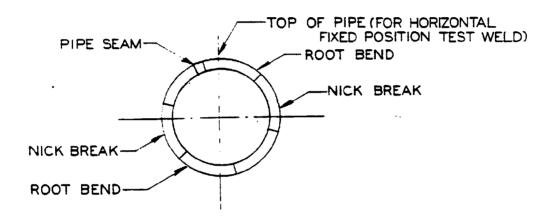
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5.0 LIMITATIONS ON WELDER QUALIFICATION

5.1 This test shall be given only to welders who will be making oxy-acetylene butt welds on pipe designed to operate at over 20% of SMYS (limited to 2" and smaller). For general purpose oxy-acetylene welding, qualification is required under D-30.

6.0 RECORDS

- 6.1 Records for all welders who have been qualified under this Standard shall be retained as outlined below.
- 6.2 All Employee Qualification and Requalification records must be retained for a minimum duration of five years.
- 6.3 All Employee Qualification and Requalification records must be retained through temporary lapses in a welder's qualification.
- 6.4 The Record shall be made by filling out Form 75-96 (Gas Standard D-30.1, Page 3).



DESTRUCTIVE TEST SPECIMEN

NOTES:

- I. PIPE SEAM WELD SHALL BE LOCATED IN AN AREA OTHER THAN IN A SPECIMEN.
- 2 WELD SPECIMENS MUST BE TESTED IN ACCORDANCE WITH AND MEET REQUIREMENTS OF STANDARD D-31. WELDS SHALL PASS BOTH VISUAL AND DESTRUCTIVE TESTS.

*Paragraph Revised
**Paragraph Added

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SHEET 2 DF 3. SHEETS 086463 2

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SOCIAL SECUR	 	DATE OF INSPECTION OF WELD									
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				QUAL	IFICATION P	ROCESS					
But	t Weld 2" Non	ninal Diamet	er By 0.154"	W.T. By 4.5	" Minimum Le	ngth Test Sp	ools				
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