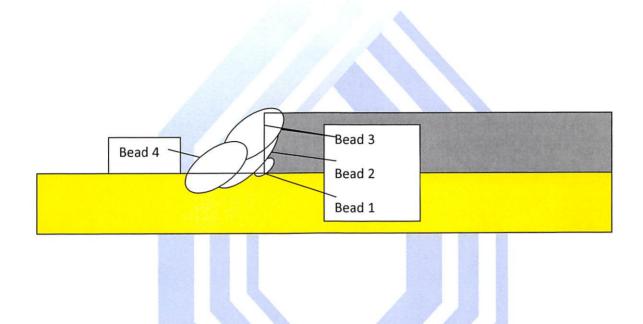
CONSTRUCTION: JOINING OF PIPES BY WELDING

Issued:
STANDARD WELDING PROCEDURE SPECIFICATION #F-22
 A. Process: Manual Electric Arc B. Material: API 5L Grade X42 thru X65 C. Diameter and Wall Thickness: 2 3/8" and 22" .188 thru .750 wall thickness D. Joint Design: Standard Vee Groove, 90 Degree Bevel E. Filler Metal and Number of Beads: Electrode Classification: Electrode E6010 and E8010, AWS Class A5.1—A5.5, Minimum of 4 Passes F. Electrical or Flame Characteristics: Reverse Polarity, Electrode Positive G. Position: Fixed Horizontal H. Direction of Welding: Verticle Down I. Number of Welders: 1 J. Time Lapse Between Passes: Maximum of 5 minutes between stringer and hot pass 3 minutes maximum when temperature is below 35° F. K. Type of Line-Up Clamp: External L. Removal of Line-Up Clamp: After 50% completion of stringer bead. M. Cleaning: Taper grind starts and craters and flatten crown by grinding stringer bead power buff all remaining passes. N. Speed of Travel: String bead 10 to 12 inches per minute maximum. O. *Preheat, Stress Relief: Maximum of 300°F. Minimum of 150°F. Preheating shall be done with device or equipment which will heat entire circumference(s) in single application 2" back from pipe ends.
*X-Rated pipe must be stress relief if the carbon content exceeds 32% or C+1/4 Mn exceeds 65%. Heating of X-Rated pipe is limited to 600°F.
Number: <u>F-22</u> Page:
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Revised 2/14/08

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Bead No.	Electrode Diameter	Amp Range	Voltage Range	Type Rod	Notes
1	1/8	75-115	22-34	E6010 5P+	
2	5/32	100-135	15-35	E8010 70+	
3	5/32	100-135	15-35	E8010 70+	
4	5/32	115-155	15-35	E8010 70+	May use 3/16
5					

WEST TEXAS GAS, INC.

CONSTRUCTION: JOINING OF PIPES BY WELDING

If necessary more passes may be made at bead #4 amperage and Voltage settings.	
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WEST TEXAS GAS, INC.

WE	LD TEST RI	EPORT		(USE SEPAR	RATE FORM FOR E	EACH WELDING	PROCEDURE)						
DATE			WELDER'S NA	ME	/	1		SOCIAL S	ECURITY	NUMBER			
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LOC	Dalhart		NAME OF CONTRACTOR OR COMPANY		RIGHT HANDED LEFT HANDED		MEGOMEN TIMO TEON _				TEST 🗆		
	ITION LINED FIXED HORIZONTAL		ELECTRIC ARC INDOORS OX-ACETYLENE OUTDOORS			WEATHER	TEMPERATURE TIME OF		OF DAY WIND BRE			AKUSED	
PIPE	SPECIFICATION		PIPE MANUFACTURER			WALL THICKNESS DIAMETER					R FOOT		
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MAH	CE OF WELDING N	MACHINE	SIZE	MAKE OF OX-	ACETYLENE	WELDING NOZZLE SIZE OX-ACETYLENE PR			RESSURE F	LOWING			
	AND OF ELECTRODE		BRAND OF OX-ACETYLENE ROD AND SIZE		NUMBER OF PASSES - OX-ACETYLENE WELD		WEI DING	PROCEDUI	DE NO				
ВКА	LIM.	DE	BRAND OF OX	-ACEITLENE RO	ID AND SIZE	NOMBER OF F	ASSES - UN-ACE	I I LENE WE			Neu		
	ELECTRODE TY		TYPE AND SIZE		MACHINE	SETTINGS AMPERAG		E DC	VOLT		-22		
		LLLOTRODL	I TPE AND SIZE		COARSE FINE		AWIFERAC	AMPERAGE RG.		VOLTAGE RG.			
٥		,				,OARSE TINE		12-7		-2//	-		
PIPE WELD	STRINGER	STRINGER LIN 54		18	130-190	0-190 55 75-115			22-34				
PPE	HOT PASS	LIM SA	70+	5/32	120-190	70	100-13	5	15-	35_			
	FILLER (S)	I'N SA	70 t	5/32	120-190	70	100-13	15	15-	35			
	CAP PASS	1.1.5/	2 72+	5/22	160-240	60	115-15	5	15-	-35			
-	LOCATION	COUPON LENGTH	WIDTH	CROSS SEC. AREA SQ. IN.	LOAD	% ELONG.	COMPUTED TENSIL PSI		REMARKS			AC- CEPTED	RE- JECTED
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	3												
	4	1,000		- 6									
	COUPON LOCATION		TYPE OF BEND	[REMARKS						AC- CEPTED	RE- JECTED	
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	COUPON										AC- CEPTED	RE- JECTED	
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