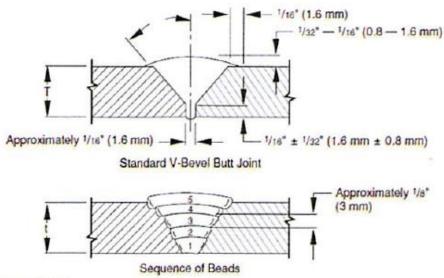
Is	sued:	11-18-2008	Revised:	11-22-2010	Number:	52G	Page:				
STA	NDA	RD WELDI	NG PRO	CEDURE SI	PECIFICA	TION #:	52G				
					at in the						
A.	Process: Manual Electric Arc										
В.	Material: API-5L Grade X52										
C.	Diameter and Wall Thickness: Branch and Header 8" thru 12" and 0.188 thru 0.500 WT										
D.	Joint Design: Standard Vee Groove 30 degrees										
Ε.	Filler Metal and Number of Beads: Electrode Classification Electrode E6010 and 8010,										
_	AWS Class A5.1 – A5.5										
F.	Electrical or Flame Characteristics: D.C. Reverse Polarity, Electrode Positive										
G.	Position: Inclined 45 degrees										
Н.	Direction of Welding: Vertical Down										
l.		per of Welders:		viass of F as:							
J.		•				en stringer	and hot pass; 3				
K.		tes maximum v of Line-up Clan		rature is below	35 F						
L.		or Line-up Clair oval of Line-up		50% completi	on of stringer	r hoad					
L. М.		ing: Taper grin	•		_		tringer head				
IVI.		r buff all remai		craters and na	tten crown b	y grinding s	itiligei beau,				
N.		d of Travel: Str		to 12 inches pe	er minute ma	ximum					
0.		neat, Stress Rel	_				ating shall be				
•							-				
done with device or equipment which will heat entire circumference(s) in single application 2" back from pipe ends											
Р	Notes	s: Welded pipe	strings shall	be temporarily	y capped to p	revent air	draft cooling of				
stringer beads. Weld shall be completely protected from moisture until it has co											
		ent temperatur		e shall be prot	ected so that	the wind v	elocity near it				
		not exceed 8m	•								
*		ed pipe must b				eds 30% or	C+1/4 Mn				
	excee	eds 65%. Heatin	ig of X-rated	pipe is limited	to 600°F.						
		N	ımber:	52G I	Page:						



Note: Dimensions are for example only.

Bead	Electrode	Amperage	Voltage		
No.	Diameter	Range	Range	Type Rod	Notes
1	1/8	100-120	25-35	E6010 5P+	
2	1/8	105-130	25-38	E8010	
3	5/32	115-140	25-38	E8010	
4	5/32	115-140	25-40	E8010	
5*					

Bead										
No.	Notes									
	Additional passes may be made using 8010 3/16 at amperage range 132-170 and 25-35 volt									
	range									
	The above may also be substituted for pass #4									
	Electrodes may be substituted within rod group 1&2 of AWS specification A5.1-A5.5									

#### West Texas Gas Utility, LLC



WEI	D TEST RE	PORT		(USE SEPAR	RATE FORM FOR E	ACH WELDIN	G PRO	OCEDURE)						
DATE WELDER'S			WELDER'S NAM	E SOCIAL SECURITY NUMBER					R					
11-22-10 Deriell				LANS				25/9						
LOCATION NAME OF CONTRACTOR OR CO				MPANY					UALIFYING TEST D LINE TEST D					
POSITION ELECTRIC ARC 12-INDOORS				WEATHER TEMPERATURE			TIME OF DAY WIND BREA				K USED			
INCLI	☐ HORIZ		OX-ACETYLEN		RS 🗅	CL	<u> </u>	75	1 1 1				245	
PIPE	SPECIFICATION	4-9.	PIPE MANUFAC		11.1	WALL THICK	KNESS	5	DIAMETER (OD) WEIGHT PE				R FOOT	
MAKE	OF WELDING MA	X52	SIŽE	MAKE OF OX-A	CETYLENE	WELDING NO	ozzle	E SIZE	0X-ACETYLENE PRESSURE FLOWING				12	
	Line		300	APPARATUS	N/S		QUALIFYING T				ST	FOF		
BRAN	D OF ELECTROD	E	BRAND OF OX-	ACETYLENE RO	D AND SIZE	AND SIZE NUMBER OF PASSES - OX-ACETYLE				LD		IG PROCED	URE NO.	
_	Z,N			12			<u>u/,</u>	1		$\overline{}$	5	26		
		ELECTRODE 1	TYPE AND SIZE		MACHINE SETTINGS		4	AMPERAGE RG.		VOLTAGE RG.				
				_	COARSE	FINE								
YPE WELD	STRINGER	18 5P	+		120-190	120-190 50 100-120			25	5-33	٢			
PIPE	HOT PASS	18 70	+		40-190	60	4	105-130 25-38						
	FILLER (S)	5/32.70	) <del>/</del>		120-190	65	4	1/5-14	10	25	-38			
	CAP PASS	CAP PASS 5/32 70 +			120-10	65	Ц,	115-14	0					
	LOCATION	COUPON LOCATION LENGTH		CROSS SEC. AREA SQ. IN.	LOAD	% ELONG.		COMPUTED TENSIL PSI				AC- CEPTED	RE- JECTED	
İ	1 71	P"	1.10	240	16,200	/		67.500	May Sugar			-		
ENSILE TESTS	2 <i>3</i> 7	8"	1.10	.240	1620		T,	67.500	New Sunce		•	1	-	
NSILE			,,,,	,,,,,	10,000		Τ"	gow						
ш	3						$^{\dagger}$							
	COUPON		TYPE OF BEND	REMARKS							AC- CEPTED	RE- JECTED		
_	1 / 2				1/2 1/24							1	7	
so.	2 7 4	3 600			A) II +						1	-		
BEND TESTS		4 FACE			140 detect							1		
BEN	3 B 6	Kost			140					1-	<u> </u>			
_	185	FA	<u>cc</u>	No detect								1	-	
	LOCATION					REMARKS						CEPTED	JECTED	
ESTS	1 88	Cleary metal No defect										1	L	
EAKT	,72										-			
NICK-BREAK T														
Z	3													
_	4 SIZE AND WALL THICKNESS OF MAIN GAS PRESSUR													
TEE WELD TEST	DID WELD CONTAIN:						DEPTH OF UND	VELD O NIPPLE O  NDERCUT LENGTH OF UNI						
	PINHOLES COLDROLL UNDERCU			UT										
_	REMOVED ON				FOTDIO 400		_		OHALIF	n -	3 515	CTRIC ARC		1
			ACETYLENE	0		TEE WELD	NOT QUA			ACETYLENE				
TEST	ED BY	SIGNATURE	Ed Marchet					They have						

