## PERFORMANCE QUALIFICATION RECORD

Type of Welder Manual	Name Rya	an A. Raffensperger	Identification	A65929145
WPS Number	Rev No.		Date	April 11, 2017
Variables	Values u	sed in qualification	Qualific	ation Range
Process/Type	varaes a	SMAW		MAW / Manual
Electrode		Single		
Current/Polarity		DCEP		
Position	\$ <del>1</del>	3G	1G.	2G,3G,1F,2F,3F
Weld Progression		Vertical up		Vertical up
Backing	-	Yes	Wi	th steel backing
Material/Specification	A 36	To A 36		an steel sacking
Base Metal Thickness: (Plate		101120		
Groove	-7	3/8"		1/8" to 3/4"
Fillet		NA		Unlimited
Base Metal Thickness: (Pipe	:)		-	
Groove	í i	NA		1/8" to 3/4"
Fillet		NA		Unlimited
Diameter (Pipe)				
Groove		NA		24" and above
Fillet		NA		24" and above
Filler Metal				
Specification number	r	5.1		
Classification number	r	E7018		
F-number	82° man - 11° ma	F-4		All F-4,3,2,1
Gas/Flux Type		NA		NA
Other		NA		NA
Туре		cceptable Yes X No Guided Bend Test Results  Type		Result
V Side	Sat	1		
V Side	Sat			
	L.			
	Fi	illet Test Results		
Appearance NA		Δ	Fillet Size	
Fracture Test Root Penetrati	on /	John R Courtney Jr		
	1. Tombre M		4184	
Organization /	CARC3 Gases	Date 9/1/2017	pril 11, 2017	
P.1	RADIOGR	APHIC TEST RESULTS		
Film identification		Film identification		
	sults Remark		Results	Remarks
NA Re	suits Remark	is number	Results	Remarks
141				
Interpreted by		Number		
Organization		Date		
We, the undersigned, cert welded, and tested in acco Code Steel		rements of section 4 of A		est welds were prepared, 1M:2015, Structural Welding
C. S. IVIOIIIC	Authorized By Date	1111	10	
		Date	7-17-	<del>//</del>

## PERFORMANCE QUALIFICATION RECORD

MIDCAL I			dentification	A65929145	
WPS Number	Rev No.		Date	March 7, 2017	
Variables Process/Type	Values used in q FCAW			ation Range V / Semi-automatic	
Electrode.	Single		FCAV	v / Semi-automatic	
Current/Polarity	DCEF				
Position	3G		1G	2G,3G,1F,2F,3F	
Weld Progression	Uphil			Uphill	
Backing	Yes		Wi	th steel backing	
Material/Specification		o A 36	1771	th steer backing	
Base Metal Thickness: (Plate)		0 1130			
Groove	3/8"			1/8" to 3/4"	
Fillet	NA		Unlimited		
Base Metal Thickness: (Pipe)					
Groove	NA			1/8" to 3/4"	
Fillet	NA		Unlimited		
Diameter (Pipe)	3000		-		
Groove	NA			24" and above	
Fillet	NA		24" and above		
Filler Metal					
Specification number	5.20				
Classification number	E71T-	1			
F-number	F-6			All F-6	
Gas/Flux Type	75% Ar/259	%CO2	75	75% Ar/25%CO2	
Other	NA	INSPECTION	<u> </u>	NA	
	Acceptab	le Yes X No Bend Test Results			
Type	Result	Type		Pegult	
Type V Side	Result - Sat	Туре		Result	
V Side	Sat	Туре		Result	
		Туре		Result	
V Side	Sat Sat Fillet Tes	t Results  R Courtney Jr  Test number 14	Fillet Size Macroetch 124 urch 7, 2017	Result	
V Side V Side  V Side  Appearance NA Fracture Test Root Penetration Inspected by	Sat Sat Sat Fillet Tes  John ARC3 Gases QC1	R Courtney Jr  Test number 14  Date 9/1/2017 Ma	Macroetch 124	Result	
V Side V Side V Side  Appearance NA Fracture Test Root Penetration Inspected by Organization	Sat Sat Fillet Tes	t Results  R Courtney Jr  Test number 14  Date 9/1/2017  Ma	Macroetch 124	Result	
V Side V Side V Side  Appearance NA Fracture Test Root Penetration Inspected by Organization  Film	Sat Sat Sat Fillet Tes  John ARC3 Gases QC1	t Results  R Courtney Jr  Test number 14  Date 9/1/2017  Ma  TEST RESULTS  Film	Macroetch 124	Result	
V Side V Side V Side  Appearance NA Fracture Test Root Penetration Inspected by Organization  Film identification	Sat Sat Sat Fillet Tes  John ARC3 Gases RADIOGRAPHIC	t Results  R Courtney Jr  Test number 14  Date 9/1/2017  Ma	Macroetch 124 urch 7, 2017		
V Side V Side V Side  Appearance NA Fracture Test Root Penetration Inspected by Organization  Film identification	Sat Sat Sat Fillet Tes  John ARC3 Gases RADIOGRAPHIC	t Results  R Courtney Jr  Test number 14  Ma  TEST RESULTS  Film identification	Macroetch 124	Result	
V Side V Side V Side  Appearance NA Fracture Test Root Penetration Inspected by Organization  Film identification number Result	Sat Sat Sat Fillet Tes  John ARC3 Gases RADIOGRAPHIC	t Results  R Courtney Jr  Test number 14  Ma  TEST RESULTS  Film identification	Macroetch 124 urch 7, 2017		
V Side V Side V Side  Appearance NA Fracture Test Root Penetration Inspected by Organization  Film identification number Result	Sat Sat Sat Fillet Tes  John ARC3 Gases RADIOGRAPHIC	t Results  R Courtney Jr  Test number 14  Ma  TEST RESULTS  Film identification	Macroetch 124 urch 7, 2017		
V Side V Side V Side  Appearance NA Fracture Test Root Penetration Inspected by Organization  Film identification number Result NA	Sat Sat Sat Fillet Tes  John ARC3 Gases RADIOGRAPHIC	t Results  R Courtney Jr  Test number 14  Ma  TEST RESULTS  Film identification number	Macroetch 124 urch 7, 2017		
Appearance NA Fracture Test Root Penetration Inspected by Organization  Film identification number Result NA  Interpreted by Organization  We, the undersigned, certify welded, and tested in accord Code Steel	Sat Sat Sat  Fillet Tes  John CWI ARC3 Gases  RADIOGRAPHIC  ts Remarks	t Results  R Courtney Jr  Test number 14  Ma  TEST RESULTS  Film identification number  Number Date  record are correct as of section 4 of AV  Authorized By	Macroetch 124 urch 7, 2017 Results	Remarks st welds were prepared,	