



American Piping Inspection, Metallurgical Lab
 18501 E. Admiral Pl. Catoosa, Oklahoma 74015
 Office: (918) 266-4130

Form: MR-6
 Established: 10/2/16
 Revision: 1
 Date: 1/13/17

Mechanical/Lab Test Report

Organization: G&G Fabrication & Machining Lab Number: 20030033 Rev. 0
 Base Material: 1 A36 to 2 A36 Heat Number: N/A
 Coupon Dimension: 3/4" Thick Plate Pos. 2G Welder Name/ID: James Randle Moore ID. R
 WPS/PQR #: GG-FCAW-1/GG-FCAW-1a Process(es): FCAW
 Filler Metal: E71T-1M PWHT: N/A

Bends

Specimen Number	Bend Type	Results
1	Side	Satisfactory
2	Side	Satisfactory
3	Side	Satisfactory
4	Side	Satisfactory


Tensiles

Specimen No. & Type	Width (in.)	Thickness (in.)	Area (in ²)	Maximum Load (lbs)	Tensile Strength (psi)	Break Type and Location
1 Flat	0.758	0.626	0.4745	38038	80164	Ductile - Base
2 Flat	0.756	0.644	0.4869	38726	79536	Ductile - Base

Comments

Other Tests: Visual Examination: Satisfactory

All testing performed in accordance with the methods specified in AWS D1.1

Approved by: Aaron Brewer Date: 3/5/2020 Signature: 
 Title: Technical Director

*Test results relate only to the items tested. This document shall not be reproduced, except in full, without the written approval of American Piping Inspection, Inc. Metallurgical Laboratory.



TECHNIQUE/INSPECTION REPORT

DATE 3/4/2020 DAY Wednesday

CUSTOMER DATA

NAME: G&G Fabrication & Machining
 ADDRESS: 2605 S. Highway 66 Claremore, Ok. 74019
 PHONE: 918-341-7650 ATTN:
 W.O: PO:
 JOB LOCATION: API Shop REPORT: 030420-1
 DESCRIPTION: Welder Procedure MATERIAL TYPE: A36

DEFECT CODE ABREVIATED TERMS

BT - BURN THROUGH	IF - INCOMPLETE FUSION	EU - EXTERNAL UNDERCUT	SOD - SOURCE TO OBJECT DISTANCE
EC - EXTERNAL CONCAVITY	IP - INADEQUATE PENETRATION	IU - INTERNAL UNDERCUT	OFD - SOURCE SIDE OF OBJECT TO FILM DISTANCE
IC - INTERNAL CONCAVITY	POR - POROSITY		OD - OUTER DIAMETER
HB - HOLLOW BEAD	ESI - ELONGATED SLAG INCLUSION		WT - WELD THICKNESS
	ISI - ISOLATED SLAG INCLUSION		WR - WELD REINFORCEMENT
			BM - BASE MATERIAL

WELD/FILM NUMBER	Sta. NO / Stencil	OD	BM	WR	WT	WITHIN STD'S		# FILM	FILM SIZE/MFG/TYPE	SOD	OFD	IQI S-F	#EXP	DEFECT LOCATION
						YES	NO							
1	20030033 James Moore FCAW	1-2	0.750	0.100	0.850	X		1	3.5X10 F80	20"	0.850	B/S	1	
2														
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METHOD RT SOURCE SIZE DIAG. ISOTOPE IR 192 NO. CURIES 50 DEV. TIME Auto DEV. TEMP Auto DENSITY 2.0-4.0

NO. OF WELDS 1 FT. LONG SEAMS STANDARDS AWD D1.1 PER DIEM NO. OF FILM 1 EXPOSURE: DBL WALL S. WALL X R Factor SCREEN VIEWING: DBL WALL S. WALL X PB

TRUCK NO. API SHOP REPORT NUMBER 1 PAGE NUMBER 1 TECH HOURS ASST. HOURS TRAVEL HOURS TOTAL HOURS MILEAGE

FILM INTERPRETER Davy Burgett ASSISTANT NAME K. Yates ASNT LEVEL I

COMPANY REPRESENTATIVE [Signature] NDT TECHNICIAN Davy Burgett ASNT LEVEL II

SIGNATURE CERTIFIES TIME AND MATERIALS CORRECT - AMERICAN PIPING INSPECTION, INC ASSUMES NO RESPONSIBILITY FOR LOSSES OF ANY KIND DUE TO INTERPRETATION