

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Page 1 of 2

1. Manufactured and certified by Gulf Coast Alloy Welding, Inc., 4403 Theiss Road, Humble, Texas, 77338, USA
(Name and address of Manufacturer)

2. Manufactured for S&B ENGINEERS & CONSTRUCTORS, 14203 HATCHERVILLE ROAD, BAYTOWN, Texas, 77521, USA
(Name and address of Purchaser)

3. Location of Installation S&B ENGINEERS & CONSTRUCTORS, 14203 HATCHERVILLE ROAD, BAYTOWN, Texas, 77521, USA
(Name and address)

4. Type VERTICAL 4307 N/A D-4203-01 REV.2 3399 2022
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 2019/ N/A N/A N/A
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))

6. Shell: SA-106-B .375" 0" 1' 11.25" (ID) 2' 10.0"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

Body Flanges on Shells													
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting				
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: SEAMLESS N/A .85 N/A N/A TYPE 1 NONE .85 1
(Long. (welded, dbl., sngl., lap, butt)) [R.T.(spot or full)] (Eff. %) (H.T. temp) (Time, hr) [Girth. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff. %) (No. of courses)

8. Heads: (a) SA-234 WPB (b) SA-234 WPB
(Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. - time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	TOP	.3281"	0"	0"	N/A	N/A	N/A	N/A	N/A		X	N/A	N/A	N/A
(b)	BOTTOM	.3281"	0"	0"	N/A	N/A	N/A	N/A	N/A		X	N/A	N/A	N/A

Body Flanges on Heads													
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting				
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material	
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A

9. MAWP 187 psi 0 psi at max. temp. 100 °F 100 °F
(Internal) (External) (Internal) (External)
Min. design metal temp. -20 °F at 187 psi Hydro, pneu., or comb. test pressure HYDRO at 244 psi

Proof test N/A

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
N1 "SERVICE"	1	.75" 3000#	T-O-L	SA-105	N/A		0"		WELDED	N/A	TOP HEAD
N2 "DRAIN"	1	1" 3000#	T-O-L	SA-105	N/A		0"		WELDED	N/A	BOTTOM HEAD
N3 "SERVICE"	1	6" 150#	RFWN	SA-106-B	SA-105	.280"	0"		WELDED	WELDED	SHELL
N4 "SERVICE"	1	6" 150#	RFWN	SA-106-B	SA-105	.280"	0"		WELDED	WELDED	SHELL
N5 "SERVICE"	1	.75" 3000#	T-O-L	SA-105	N/A		0"		WELDED	N/A	SHELL
N6 "SERVICE"	1	2" 3000#	T-O-L	SA-105	N/A		0"		WELDED	N/A	SHELL
N7 "SERVICE"	1	.75" 3000#	T-O-L	SA-105	N/A		0"		WELDED	N/A	SHELL

11. Supports: Skirt NO Lugs 2 Legs 4 Other N/A Attached WELDED TO HEAD/SHELL
(Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

N/A
(Name of part, item number, Manufacturer's name and identifying stamp)

IMPACT EXEMPT PER UG 20 (F)

Manufactured by Gulf Coast Alloy Welding, Inc., 4403 Theiss Road, Humble, Texas, 77338, USA

Manufacturer's Serial No. 4307 CRN N/A National Board No. 3399

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 35355 expires October 6, 2023.

Date 01/24/2022 Co. name Gulf Coast Alloy Welding, Inc. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Gulf Coast Alloy Welding, Inc. at 4403 Theiss Road, Humble, Texas, 77338, USA
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by Authorized Inspection Associates LLC, of Houston, TX

have inspected the component described in this Manufacturer's Data Report on January 20, 2022, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor the Inspector's employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor the Inspector's employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 01/24/2022 Signed [Signature] Commissions 15475, TX2033
(Authorized Inspector) (National Board Authorized Inspector Commission number)