

Pressure Vessel Inspection/Rating Program

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INSPECTED FOR: AMOCO PRODUCTION COMPANY

VESSEL TAG:

V6-1101-2

EAS

MFG. BY:

J. B. BEARID CO.

VESSEL TYPE:

#8 PROPANE STO. TANK

YEAR BUILT: 1952 SIZE: 120" OD X 67'-2" S/S

SUMMARY

Visual inspection revealed good overall condition. UT inspection revealed no critical indications. No documentation was found.

NAMEPLATE DOCUMENTATION

	Vessel Nameplate/Stamping Information
Record all data EXACTLY as shown original. Obtain a rubbing and attact	on the nameplate or stamping. Indicate if not legible or it appears to have been altered from h to this form
	BEAIRD CO., SHREVEPORT, LA. W-9631-2
	at 150 °F Minimum Design Metal Temperature °F
	LEGIBLE NB SN: Stamp * Year Built 1952
	1,2,3,4; HT; PWHT; W; Other) * = API-ASME
Drawing Number	Hydrotest Pressure (psi):
	Work Order Number
	C.A. 0" INFO TAKEN FROM DWG., NAMEPLATE PAINTED OVER
Sup	pplemental Nameplate/Stamping Information
	on the nameplate or stamping. Indicate if not legible or it appears to have been altered from
original. Obtain a rubbing and attacl	h to this form.
Name of repair organization	
☐ Repair	☐ Alteration ☐ Replacement ☐ Rerating
MAWP (psig) a	t0F Date of Repair
Shell Material Specification	: Head Material Specification
Additional Information:	
	Pressure Relief Equipment
List all pressure relief equipment on	the vessel such as pressure relief valves, rupture disks, etc. List all nameplate information
Manufacturer:	pressure relief device(s) are located, (on vessel, on gas outlet piping, on inlet piping, etc.). Consolidate
Design/Type/Model No:	1610QC-1
Serial No.:	IS67762
Set/Burst Press (psig):	225#
Coincident Disk Temp ⁰ F	ZZOW
Certified Capacity	
(lbs/hr sat. steam; gal/mir	
Orifice NPS Size:	11.05
Year Built:	
Location of Device:	*
Additional Information: *:	SOUTH END TOP 6" NOZZ SIZE: SOR

NAMEPLATE DOCUMENTATION

	Vessel Nameplate/Stamping Information
	on the namenlate or stamping. Indicate if not lead to a it appears to have been effected from
	THE J.B. BEAIRD CO., SHREVEPORT, LA.
	at 100 °F Minimum Design Metal Temperature °F
	-3 NB SN: Stamp Year Built 1952
	1,2,3,4; HT; PWHT; W; Other) API-ASME
Drawing Number	Hydrotest Pressure (psi):
Job Number	Work Order Number
Additional Information:	
Sur	oplemental Nameplate/Stamping Information
Record all data EXACTLY as shown	on the nameplate or stamping. Indicate if not legible or it appears to have been altered from
original. Obtain a rubbing and attac	
Name of repair organizatio	Alteration Replacement Rerating
MAWP (psig)	at ⁰ F Date of Repair
Shell Material Specification	n: Head Material Specification
Additional Information:	
	Pressure Relief Equipment
List all pressure relief equipment or EXACTLY as shown. Indicate where	n the vessel such as pressure relief valves, rupture disks, etc. List all nameplate information pressure relief device(s) are located, (on vessel, on gas outlet piping, on inlet piping, etc.).
Manufacturer:	Consolidate
Design/Type/Model No:	1610QC-1
Serial No.:	TS67761
Set/Burst Press (psig):	225#
Coincident Disk Temp ⁰ F	
Certified Capacity (lbs/hr sat. steam; gal/mi	in water; cu.ft. of air/min.)
Orifice NPS Size:	11.05
Year Built:	
_ocation of Device:	•
Additional Information:	= SOUTH END TOP 6" NOZZ. SIZE:6Q8
LAST DATE SERVICE	D: 10-13-93

Vessel Location							
Company AMOCO PRODUCTION Date of Inspection: 6-23-94							
Business Unit: Operations Center: Empire A B O							
Field Name: Facility/Lease Name: Empire Gas Plant							
Vessel Identification							
Vessel Number V6-1101-2 Name #8 Propane Storage Tank							
Vessel Status ⊠ Code ☐ Unknown ☐ Code-Invalidated ☐ Non-Code							
ASME VIII Division: Div 1 Div 2 Other API-ASME							
Vessel Description and Service Conditions							
Description of Service: General Sweet General Sour MEA DEA							
Sulfinol Caustic Other							
Material of Construction: Carbon Steel Stainless Steel Lined Carbon Steel							
Shell Material Specification: Head Material Specification							
Type of Vessel: ☐ Air Dryers ☐ Amine Contactor ☐ Amine Exchanger							
☐ Amine Filter ☐ Amine Flash Tank ☐ Amine Reboiler							
☐ Amine Still ☐ Exchanger ☐ Gas Cooler							
☐ Gas Scrubber ☐ Gas Separator ☐ Heater Treater							
☐ Liquid Separator ☐ Mole Sieve Tower ☐ Stabilizer							
☐ Stabilizer Feed Drum ☐ Stabilizer Tower ☐ Steam Vessel							
☑ Other <u>Lpg Storage</u>							
Nominal Vessel (in.): 🗵 ID 🗌 OD <u>120"</u> Length (in.) S/S: <u>67'-2"</u>							
Nominal Vessel Wall Thickness (in.): Shell: 0.38 Head: 0.50							
Operating Pressure Range (psig): 200 Operating Temperature Range (°F) 80							
Percent H ₂ S in gas: Percent CO ₂ in gas Free Water Yes No							
Previous Service History: (List Service Duration)							
Air Dryers Amine Contactor Amine Exchanger							
Amine Filter Amine Flash Tank Amine Reboiler							
Amine Still Exchanger Gas Cooler							
Gas Scrubber Gas Separator Heater Treater							
Liquid Separator Mole Sieve Tower Stabilizer							
Stab. Feed Drum Stabilizer Tower Steam Vessel							
1952 Other LPG STORAGE							

Form No. 1 for Manufacturer's Report on an Unfired Pressure Vessel as Required by the Provisions of the API-ASME Code

				4/11	
	I. Manufactured by T.I.F. J. B. BPAI	CD CO., INC. Shreve	port, Louisiana.		TO DESCRIPTION OF THE PROPERTY
	Beaird's Shop Job Number W=369		Sales	Order 30948	
2	2. Manufactured for Hudson Engine	ering Corp Hou	ston, Texas	Order No.	3260-3
3	B. Position in service Horizontal	Serial Num	berW-3691-3		
	Wassell-Million . D				
	Have the Mill Test Reports been che	ecked on all the plates	entering this unfired	d Pressure Vessel?_	Yos
	Do the chemical and physical proper	rties of all plates meet	the requirements o	f the Code?	Yes .
, 5	Overall length 778 58	Inches. No.	2.	 Dutside Diameter_	121.96Inches:
6	Overan length (//)	CAN PROPERTY.			1 M
7.	I I I I I I I I I I I I I I I I I I I	50x, 70,000 200		Bolts	A-193-B7
8.	C) The second se	ELGEG BUTE SOINE		Firth Double Well	ded Butt Joint
	Joints Radiographed	_Stress Relieved	, , , , , , , , , , , , , , , , , , , 	oint Efficiency	80%
9.	. Radiographed Inspection		All or %	1	Thickness
	a. Longitudinal Joints		7111 OT 70	3	Tilless
	b. Girth Joints				***************************************
				i (-	
	Stress Relieving Head	s Ring	C	î m	Pril' Pri
	Ticad	Nos.	Controlling Thickness	Temperature	Time Temperature Held in Minutes.
	a. If part of Vessel only		I HICKIICOS	3	ricid in lyimutes.
	b. If entire Vessel		1		
10.	Outer Shell Inch. Style	of Seams: Longitud	linal		
	(Airth	Tenat	h of section	,	
		. Deligi	n or section.		The second section of the second seco
			A defendance of the second		
11.				1	
11. 12.		APT-ASNE Code 1	demispherical	·····	
11. 12. 13.		API ASME Code 1	Hemispherical 1-1/2" 6000% Cr	olgs: (7) 2"	(2) 6" 300# Weld
11. 12. 13.	Heads: Two .50 x 121.96 0D Nozzles: (1) 1/2", (2) 3/2 24224445: (1) 4" 300 hong	APT-ASME Code i 4", (2) 1", (1) 1 Weld Neck	Hemispherical L-1/2" 6000% Cr	lgs: (7) 2"	(2) 6" 300# Weld
14.	Heads: Two .50 x 121.96 00 Nozzles: (1) 1/2", (2) 3/2 Headding: (1) 4" 300 Long		Hemispherical L-1/2 6000 Cr	lgs: (7) 2"	(2) 6" 300# Weld Week Flasck
14.	Heads: Two .50 x 121.96 0D Nozzles: (1) 1/2", (2) 3/2 24224445: (1) 4" 300 hong		Semispherical	olgs: (7) 2"	(2) 6" 300# Weld Nock Flasck
15.	Heads: Two .50 x 121.96 0D Nozzles: (1) 1/2", (2) 3/ Wandlines: (1) 4" 300 Long Sight Helia: Manways: (1) 16" 300 Long	Weld Neck	The second secon		(2) 6" 300# Weld Neck Flasck
15. 16.	Heads: Two .50 x 121.96 0D Nozzles: (1) 1/2", (2) 3/2 Headding: (1) 4" 300 Long Sight Hole: Manways: (1) 16" 300 Long Method of supporting vessel	Weld Neck (2) Fab	ricated Steel	Saddles	Wyfipe Mack
15.	Heads: Two .50 x 121.96 0D Nozzles: (1) 1/2", (2) 3/2 Heads : (1) 4" 300 Long Sicharies: Manways: (1) 16" 300 Long Method of supporting vessel Allowable working pressure at atmosp	Weld Neck (2) Fab	ricated Steel	Saddles 226	Wyfipa Wack PSI.
15. 16.	Heads: Two .50 x 121.96 0D Nozzles: (1) 1/2", (2) 3/2 Heads 121.96 0D Hong Sight Heads 121.96 Dong Hong Manways: (1) 16" 300 Hong Method of supporting vessel Allowable working pressure at atmosp a. Hydrostatic test pressure	Weld Neck (2) Fab	ricated Steel	Saddles 226 339	PSI.
15. 16.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads : (1) 4" 300 Long Sight in Manways: (1) 16" 300 Long Method of supporting vessel Allowable working pressure at atmosp a. Hydrostatic test pressure when he hydrostatic test pressure when he	Weld Neck (2) Fab	ricated Steel	Saddles 226	PSI. PSI.
15. 16.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Head Heads: (1) 4" 300 Long Sight This: Manways: (1) 16" 300 Long Method of supporting vessel Allowable working pressure at atmosp a. Hydrostatic test pressure b. Hydrostatic test pressure when had c. Proof test pressure if applied	Weld Neck (2) Fab	ricated Steel	Saddles 226 339	PSI.
15. 16.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Head Heads: (1) 4" 300 Long Sight Heads: (1) 4" 300 Long Manways: (1) 16" 300 Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when he c. Proof test pressure if applied d. Location of yield if yielding occur.	Weld Neck (2) Fab	ricated Steel	Saddles 226 339 282	PSI. PSI. PSI.
15. 16.	Heads: Two .50 x 121.96 0D Nozzles: (1) 1/2", (2) 3/2 Headstries: (1) 4" 300 Long Manways: (1) 16" 300 Long Method of supporting vessel Allowable working pressure at atmosp a. Hydrostatic test pressure b. Hydrostatic test pressure when ha c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitud	Weld Neck (2) Fab	pricated Steel	Saddles 226 339 282	PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Head Heads: (1) 4" 300 Long Sight Heads: (1) 4" 300 Long Manways: (1) 16" 300 Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when heads. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress.	Weld Neck (2) Fab heric temperature mmer tested red_ inal joint	pricated Steel	Saddles 226 339 282 0.925 3.950	PSI. PSI. PSI. PSI. PSI. PSI.
15. 16.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads : (1) 4" 300 Long Sight ich: Manways: (1) 16" 300 Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when has c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225	Weld Neck (2) Fab heric temperature mmer tested red_ inal joint	pricated Steel	Saddles 226 339 282 0.925 3.950	PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Head Heads: (1) 4" 300 Long Sight Heads: (1) 4" 300 Long Manways: (1) 16" 300 Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when heads. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress.	Weld Neck (2) Fab heric temperature mmer tested red_ inal joint	pricated Steel	Saddles 226 339 282 0.925 3.950	PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/ Heads : (1) 1/2", (2) 3/ Heads : (1) 1/4" 300 Long Manways: (1) 16" 300 Long Method of supporting vessel Allowable working pressure at atmosp a. Hydrostatic test pressure b. Hydrostatic test pressure when ha c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitud f. Allowable operating stress Constructed for a pressure of 225 and a corrosion allowance of None	Weld Neck (2) Fab heric temperature mmer tested red_ linal joint PSI. with a specif	pricated Steel 2 1 fied operating temporary	Saddles 226 339 282 0.925 3.950 erature of	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads : (1) 4" 300 Hong Sight Februs: Manways: (1) 16" 300 Hong Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when had c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of Hong	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of the second	cricated Steel 2 1 fied operating temporating tempora	Saddles 226 339 282 0.925 3.950 erature of	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads : (1) 4" 300 Long Sight Isla: Manways: (1) 16" 300 Long Method of supporting vessel Allowable working pressure at atmosp a. Hydrostatic test pressure b. Hydrostatic test pressure when had c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks Theoret covers on Tank, constructed in	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of the second specific point accordance with	cricated Steel 2 1 fied operating temporating tempora	Saddles 226 339 282 0.925 3.950 erature of	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads : (1) 4" 300 Hong Sight Februs: Manways: (1) 16" 300 Hong Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when had c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of Hong	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of the second specific point accordance with	cricated Steel 2 1 fied operating temporating tempora	Saddles 226 339 282 0.925 3.950 erature of	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads : (1) 4" 300 Long Sight Isla: Manways: (1) 16" 300 Long Method of supporting vessel Allowable working pressure at atmosp a. Hydrostatic test pressure b. Hydrostatic test pressure when had c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks Theoret covers on Tank, constructed in	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of the second specific point accordance with	cricated Steel 2 1 fied operating temporating tempora	Saddles 226 339 282 0.925 3.950 erature of	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Headships: (1) 4" 300% Long Sightifies: Manways: (1) 46 300% Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when have a. Hydrostatic test pressure when have a. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks Theoret covers on Tank, constructed in No. Wes 3691, Sheet 1 &	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of 201 ID x 678 accordance with 2 of 2.	2 1 fied operating temporary 3 Seam to Sea The J. B. Beai	Saddles 226 339 282 0.925 3.950 erature of m 43.522 Gall rd Company, I:	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17. 18. 19.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Headstain: (1) 4" 300 Long Sight Fair: Manways: (1) 16" 300 Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when had a. Hydrostatic test pressure when had a. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks These report covers on Tank, constructed in No. W. 3691, Sheet 1 & CERTIFY the above data to be corrected.	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of 201 ID x 678 accordance with 2 of 2.	22 1 fied operating temporary 3 Seam to Sea The J. B. Beai	Saddles 226 339 282 0.925 3.950 erature of m 43.522 Gall rd Gompany, In	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17. 18. 19.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Headships: (1) 4" 300% Long Sightifies: Manways: (1) 46 300% Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when have a. Hydrostatic test pressure when have a. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks Theoret covers on Tank, constructed in No. Wes 3691, Sheet 1 &	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of 201 ID x 678 accordance with 2 of 2.	22 1 fied operating temporary 3 Seam to Sea The J. B. Beai	Saddles 226 339 282 0.925 3.950 erature of m 43.522 Gall rd Gompany, In	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17. 18. 19. WE press	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads Signature: (1) 4" 300% Long Signature: Manways: (1) 16" 300% Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when has c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks This report covers on Tank, constructed in No. Wes3691, Sheet 1 & CERTIFY the above data to be corresoure vessel conform to the API-ASME	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specif accordance with 2 of 2.	ricated Steel 2 1 fied operating temporary 3 Seam to Sea The J. B. Beai s of material, const	Saddles 226 339 282 0.925 3.950 erature of m 43.522 Gall rd Gompany, In	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17. 18. 19.	Heads: Two .50 x 121.96 OD Nozzles: (1) 1/2", (2) 3/2 Heads Signature: (1) 4" 300% Long Signature: Manways: (1) 16" 300% Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when has c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks This report covers on Tank, constructed in No. Wes3691, Sheet 1 & CERTIFY the above data to be corresoure vessel conform to the API-ASME	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specification of 201 ID x 678 accordance with 2 of 2.	ricated Steel 2 1 fied operating temporary 3 Seam to Sea The J. B. Beai s of material, const	Saddles 226 339 282 0.925 3.950 erature of m 43.522 Gall rd Gompany, In	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.
14. 15. 16. 17. 18. 19. WE press	Heads: Two 50 x 121.96 on Nozzles: (1) 1/2", (2) 3/2 Head Heads: (1) 4" 300 Long Sight Heads: (1) 4" 300 Long Manways: (1) 16" 300 Long Method of supporting vessel. Allowable working pressure at atmosp a. Hydrostatic test pressure when has c. Proof test pressure if applied d. Location of yield if yielding occur e. Hydrostatic test stress in longitude f. Allowable operating stress. Constructed for a pressure of 225 and a corrosion allowance of None Remarks Theoret covers on Tank, constructed in No. Was 3691, Sheet 1 & CERTIFY the above data to be corresure vessel conform to the API-ASME	Weld Neck (2) Fab heric temperature mmer tested red linal joint PSI. with a specif accordance with 2 of 2.	ricated Steel 2 1 fied operating temporary 3 Seam to Sea The J. B. Beai s of material, const	Saddles 226 339 282 0.925 3.950 erature of m & 3.522 Gall rd Company, In	PSI. PSI. PSI. PSI. PSI. PSI. PSI. PSI.

