

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Fabricated Vessels Only)
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division

1. Manufactured and certified by Energy Weldfab, Inc. , 1804 East Hwy 80 , White Oak, TX 75693
(Name and address of Manufacturer)

2. Manufactured for Stock
(Name and address of Purchaser)

3. Location of installation Unknown
(Name and address)

4. Type HORIZONTAL 12-3265 N/A HS-24120-1440-2-Samson R1 2877 2012
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2010
(Year)
 to A11 2235-9 N/A
(Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))

6. Shell SA-516-70 0.875" N/A 1' 10-1/4" 10' 0" S/S
(Material spec. number, grade) (Nominal thickness) (Corr. Allow.) (Inner diameter) (Length overall)

7. Seams SINGLE BUTT FULL 100 N/A N/A SINGLE BUTT SPOT 100 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) Material SA-516-70 (b) Material SA-516-70
(Spec. no., grade) (Spec. no., grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	END	0.820"	N/A			2:1				Concave
(b)	END	0.820"	N/A			2:1				Concave

If removable, bolts used (describe other fastenings) N/A
(Material spec. number, grade, size, number)

9. MAWP 1440 N/A at max. temp. 125 N/A
(Internal) (External) (Internal) (External)

Min. design metal temp. -20 at 1440 . Hydro., pneu., or comb. Test 1872 Proof test N/A .

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, ect.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
IN/GO	2	4" 600#	RFWN	SA-106-C	SA-105	0.674"	N/A	INTEGRAL	WELDED	WELDED	SHELL/HEAD
LLC/DN/LO/LSH	4	2"	THRD FIT	SA-105	N/A	3000#	N/A	INTEGRAL	WELDED	N/A	SHELL
GG	2	3/4"	THRD FIT	SA-105	N/A	3000#	N/A	INTEGRAL	WELDED	N/A	SHELL
SG/PG	2	1/2"	THRD FIT	SA-105	N/A	3000#	N/A	INTEGRAL	WELDED	N/A	SHELL
PSV/SPARE	2	2" 600#	RFLWN	SA-105	SA-105	0.3125"	N/A	INTEGRAL	WELDED	WELDED	SHELL
SPARE	2	1"	THRD FIT	SA-105	N/A	3000#	N/A	INTEGRAL	WELDED	N/A	SHELL

11. Supports: Skirt NO Lugs N/A Legs 2 Other N/A Attached WELDED/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: Shell Course By: BISE; SERIAL # 3261-L
(Name of part, item number, Manufacturer's name and identifying stamp)

N/A

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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 25,301 expires 12/24/2014.

Date 09/12/12 Co. name Energy Weldfab, Inc. Signed Billy Howell
(Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by Energy Weldfab, Inc. at 1804 East Hwy 80, White Oak, TX 75693 . I, the undersigned, holding a valid commission issued issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Texas and employed by HSB CT have belief, Inspected the component described in this Manufacturer's Data Report on 09/12/12 , 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 his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his/her 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 09/12/12 Signed Bob Garner Commissions TX 1136 / NB 9778A
(Authorized Inspector) (National Board (incl. endorsements, State, Province, and number))

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

2/2

1. Manufactured and certified by Bise Welding & Fabricating 1900 De Soto Houston, Tx 77091
(Name and address of Manufacturer)

2. Manufactured for Universal Steel America Houston, Inc. 1230 E Richey Rd. Houston, Tx 77073
(Name and address of Purchaser)

3. Location of installation Unkown
(Name and address)

4. Type: Cylinder 3261 A through L N/A
(Description of vessel part (shell, two-piece head, tube bundle)) (Manufacturer's serial number) (CRN)

N/A N/A 2012
(National Board number) (Drawing number) (Drawing prepared by) (Year built)

5. ASME Code Section VIII Div 1 2010/2011
(Edition and Addenda (date) (Code Case number) [Special Service per UG-120(d)]

6. Shell (a) No. of course (s): 1 (b) Overall Length: 120"

No.	Course(s)		Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
	Diameter	Length	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	24"OD	120"	SA 516-70		.875"		1	Full						

7. Heads: (a) _____ (b) _____
(Material spec. number, grade or type) (H.T. - time & temp) (Material spec. number, grade or type) (H.T. - time & 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)														
(b)														

If removable, bolts used (describe other fastenings) _____

8. MAWP Not Rated at max temp. _____
(Internal) (External) (Internal) (External)
(Material spec. number, grade, size, number) Min. design metal temp. at

9. Impact Test _____ at test temperature of _____
Indicate yes or no and the component(s) Impact tested

10. Hydro., pneu., or comb. test press. None Proof Test None

11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	

12. Identification of parts

Name of Part	Quantity	Line No.	Mfr's Identification No.	Mfr's Drawing no.	CRN	National Board No.	Year Built

13. Supports: Skirt _____ Lugs _____ Legs _____ Others _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where and how)

14. Remarks Design Function By Others Formed In Accordance With UG 79,UG 80 And UCS 79 No Hydro Test Performed
Universal Steel So# 17655

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U Certificate of Authorization No. 30,911 Expires Mar 24, 2014

Date 6/25/12 Name Bise Welding & Fabricating, Inc Signed _____
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Texas and employed by One Beacon America Insurance Co. of Lynn, Ma. have inspected the pressure vessel part described in this Manufacturer's Data Report on 6/25/12 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 6/25/12 Signed Steve Gandy Commissions NB 14513A, TX 1922
(Authorized Inspector) [National Board (incl endorsements) State, Province and number]