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

1. Manufactured and certified by VESCO INC. 211 North 48th. Street Woodward, OK 73801
(Name and address of Manufacturer)

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

3. Location of installation Unknown
(Name and address)

4. Type Vertical (Horizontal or vertical, tank) | 10227-82 (Manufacturer's serial number) | - (CRN) | 48101000v2ph (Drawing number) | 2371 (National Board number) | 2015 (Year built)

5. ASME Code, Section VIII, Division 1 2013 Edition [Edition and Addenda. if applicable (date)] | - (Code Case numbers) | - [Special service per UG-120(d)]

6. Shell SA-516 GR 70 N (Material spec. number, grade) | 1.25 (Nominal thickness) | - (Corr. allow.) | 48" O.D. (Inner diameter) | 10' 0" [Length (overall)]

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting: Num & Size	Bolting: Bolting Material	Bolting: Washer (OD, ID, thk)	Bolting: Washer Material

7. Seams Type 1 [Long. (welded, dbl., sngl., lap, butt)] | Full [R. T. (spot or full)] | 100 (Eff., %) | - (H. T. temp.) | - (Time, hr) | Type 1 [Girth (welded, dbl., sngl., lap, butt)] | Spot(**) [R. T. (spot or full)] | 100 (Eff., %) | 1 (No. of courses)

8. Heads: (a) Material SA-516 GR 70 N (Spec. no., grade) (b) Material SA-516 GR 70 N (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)	TOP	1.46				2:1				Concave
(b)	BOTTOM	1.46				2:1				Concave

Body Flanges on Heads

	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting: Num & Size	Bolting: Bolting Material	Bolting: Washer (OD, ID, thk)	Bolting: Washer Material
(a)												
(b)												

9. MAWP 1000 (Internal) | N/A (External) at max. temp. 200 (Internal) | N/A (External)

Min. design metal temp. -20 at 1000 . Hydro., ~~pneu.~~, ~~or~~ ~~comb.~~ test pressure 1300 .

Proof test - .

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material: Nozzle	Material: Flange	Nozzle Thickness: Nom.	Nozzle Thickness: Corr.	Reinforcement Material	Attachment Details: Nozzle	Attachment Details: Flange	Location (Insp. Open.)
Dump	1	3"	Cplg	SA-105		3000#		Inherent	Welded		Shell
Inlet/Outlet	2	4" Pipe	rfwn	SA-106 GR C	SA-105 600#	.531		Inherent	Welded	Welded	Shell/Head
RV	1	2"	Cplg	SA-105		3000#		Inherent	Welded		Shell
Misc.	2	1/2"	Cplg	SA-105		3000#		Inherent	Welded		Shell
Drain	1	2"	Cplg	SA-105		3000#		Inherent	Welded		Head
LLC, HLSD,Drain	3	2"	Cplg	SA-105		3000#		Inherent	Welded		Shell
Sight glass, TI	3	3/4"	Cplg	SA-105		3000#		Inherent	Welded		Shell

11. Supports: Skirt Yes (Yes or no) Lugs _____ (Number) Legs _____ (Number) Other _____ (Describe) Attached Weld to Head (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: For Non-Corrosive service, No Impact testing per UCS-66(b).
(Name of part, item number, Manufacturer's name and identifying stamp)

Pressure relief device provided by customer (**) Spot x-ray per UW-11 A(5) B.

FORM U-1A (Back)

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 33,576 expires 10/03/17 .

Date 02/03/15 Co. name VESCO INC. (Manufacturer) Signed (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by VESCO INC. at 211 North 48th. Street Woodward, OK 73801 USA .

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company, Lynn,Mass.

have inspected the component described in this Manufacturer's Data Report on 02/03/15 , 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 02/03/15 Signed (Authorized Inspector) Commissions NB- 7936(A), Oklahoma 263 [National Board (incl. endorsements)]