

A191439

① 191439

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

8/10/10

1. Manufactured by Barber Industries, 9625 Sheppard Rd. S.E., Calgary, Alta.
2. Manufactured for Northern Energy Resources Ltd., 715-5th Ave. S.W., Calgary, Alta.
3. Location of installation Japanese Gas Plant, Alta.
4. Type Horizontal 174-81 174-81 174-81 (Year Built) 1981
Note: or vert. tank (Welding No.) (Drawing No.) (Weld Brd No.)
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, 1981 and Addenda to 1981 and Code Case Nos. UC-12(b)90
(Year) (Date)
Special Service per UG-120(d) _____
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

6. Shell: Matl. SA-516-70 Nom. 12.7mm Cor. 1.6mm In. Diam. 2438mm In. Lgth. 18225mm
(Spec. No., Grade) (Thk.) (In. Allow.) (In. Diam.) (In. Lgth.) (ft.)

7. Seams: Long. Single butt R.T. Spot Efficiency 85 % H.T. Temp. _____ F Time _____ hr
(Welding No., Sngl. Lap, Butt) (Spot or Full) (In. Lgth.)
Girth Single butt R.T. Spot No. of Courses _____
(Welding No., Sngl. Lap, Butt) (Spot or Full)

8. Heads: (a) Material SA-516-70 (Spec. No., Grade) (b) Material _____ (Spec. No., Grade)

Location (Top, Bottom, End)	Min. Thk.	Cor. Allow.	Open Radius	Knock Radius	Elbow Radius	Conical Apex Angle	Handlph. Radius	Flg Diam.	Substructure (Concrete or Corcys)
(a) <u>Ends</u>	<u>12.7mm</u>	<u>1.6mm</u>			<u>2125</u>				<u>Concrete</u>
(b) _____									

Is removable, bolts used (describe other fastenings) _____

9. Constructed for max. allowable working pressure 862 kPa (Working Spec. No., G., Div., No.)
less than -20 F) F. Hydrostatic, pneumatic, or combination test pressure 1293 kPa F. Min. temp. when
less than -20 F) _____

10. Safety Valve Outlets: Number 1 Size 1/2" Location Top of shell

11. Nozzles and Inspection Openings:

Function (Inlet, Outlet, Drain)	No.	Size (in. or mm)	Type	Matl.	Rem. Thk.	Reinforcement Matl.	How Attached	Location
<u>Inlet</u>	<u>1</u>	<u>2" 150#</u>	<u>RFWN</u>	<u>SA-105</u>	<u>XXH</u>		<u>Welded</u>	<u>Shell</u>
<u>Outlet</u>	<u>1</u>	<u>6" 150#</u>	<u>RFWN</u>	<u>SA-105</u>	<u>XXH</u>	<u>SA-516-70</u>	<u>Welded</u>	<u>Shell</u>
<u>Drain</u>	<u>1</u>	<u>3" 150#</u>	<u>RFWN</u>	<u>SA-105</u>	<u>XXH</u>		<u>Welded</u>	<u>Shell</u>

12. Supports: Skirt _____ Lugs _____ Legs _____ Other Saddles Attached welded to shell
(Describe) (Where and how)

13. Remarks: L.P.H. Storage tank
85.5 cu.m. capacity

CERTIFICATE OF 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 Code for Pressure Vessels, Section VIII, Division 1.

Date 8/10/10 Signed Barber Industries by S. D. Doshue
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 2698 expires March 30 19 24

CERTIFICATE OF SHOP INSPECTION

Vessel made by Barber Industries at Calgary, Alberta

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 Alberta and employed by Government have inspected the pressure vessel described in this Manufacturers' Data Report on 10 September 1981 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Signed S. D. Doshue Date 8/10/10 Commission Alberta
(Inspector) (National Board, State, Province and Loc.)