

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

A3079551

1. Manufactured and certified by MALONEY STEEL LTD. 8825 Shepard Road S.E. Calgary, Alberta T2H 1X1  
 (Name and address of manufacturer)

2. Manufactured for CANADIAN GAS GATHERING SYSTEMS INC. 3000, 400 - 3rd Avenue S.W., Calgary, Alberta  
 (Name and address of purchaser)

3. Location of installation WIZARD LAKE GAS PLANT 8-18-48-26-W4M  
 (Name and address)

4. Type HORIZONTAL (Horiz. or vert. tank) 94-C2905-3008 (Mfg's serial No.) M6921.2 (ICRN) C2905-3008 Rev.1 (Drawing No.) n/a (Net's Ser. No.) 1995 (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 1992 Year

6. Shell: A93 Address (City) Edmonton Code Case No. n/a Special Service per UG-120(d) n/a  
SA516-70N (Mfg. Spec. No., Grade) .375" (Nom. Thk. (in.)) .125" (Corr. Allow. (in.)) 8'-0" OD (Diam. I.D. (ft. & in.)) 30'-0" S/S (Length (overall) (ft. & in.))

7. Seams: TYPE NO. 1 SPOT 1 HOUR 1 TYPE NO. 1 SPOT 3  
 Long. (Welded DN., Suppl. Lap, Butt) SA516-70N R.T. (Spec. Part, or Full) SA516-70N (Spec. No., Grade) N.T. (Spec. Part, or Full) SA516-70N (Spec. No., Grade)

8. Heads: (a) Matl. SA516-70N (Spec. No., Grade) (b) Matl. SA516-70N (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	.463"	.125"	90"	6"	2:1 SE				CONCAVE
(b) END	.900"	.125"	90"	6"					CONCAVE

if removable, bolts used (describe other fastenings) n/a (Mfg., Spec. No., Gr., S's, No.)

9. MAWP (344KPa) 50 psi at max. temp. (148KPa) 300 °F  
 Min. design metal temp. (-29.0) -20 °F at (344KPa) 50 psi. Hydro, pneum., or comb. test pressure (518KPa) 75 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or S/a	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
FIRE TUBE	1	33"x71"	FLANGE 75#	SA516-70N	1.25"	INTEGRA	WELDED	END (HEAD)
			NECK		.500"			

11. Supports: Skirt NO (Ys or no) Legs 2 (No.) Other 2 SADDLES (Describe) Attached WELDED TO SHELL AND HEADS (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

AMINE REBOILER CUSTOMER TAG NO.: H-613 SEE ALSO ATTACHED U-4 FORM  
 IMPACT TEST EXEMPTION PER UCS-66  
 VOLUME: 1405.6 ft.<sup>3</sup> (39.92m<sup>3</sup>)

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. "U" Certificate of Authorization No. 15742 expires May 05, 1995.  
 Date May 17, 1995 Co. name MALONEY STEEL LTD. (Manufacturer)  
 Signed [Signature]

CERTIFICATE OF SHOP INSPECTION  
 Vessel constructed by MALONEY STEEL LTD. at 8825 Shepard Road S.E., 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 BOILER AND PRESSURE VESSEL SAFETY, ALBERTA LABOUR and employed by \_\_\_\_\_

and inspected the component described in this Manufacturer's Data Report on May 17, 1995, 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 this Manufacturer's Data Report. Furthermore, neither the Inspector nor his 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 May 17, 1995 Signed [Signature] Authorised Inspector  
 Commissions ALBERTA #57 (Net's Board (incl. endorsement), State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

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3 Location of installation WIZARD LAKE GAS PLANT 8-18-48-26-W4M  
(name and address of purchaser)

4 Type: HORIZONTAL AMINE REBOILER (name and address)  
94-C2905-3008  
(horiz., vert., or sphere) (tank, separator, heat exh., etc.) (mfg's serial no.)  
M6921-2 C2905-3008 Rev. 1 n/a (year built)  
1995  
(CRN) (drawing no.) (Natl. Bd. no.)

Data Report  
Item Number

PURPOSE	NO. SIZE	TYPE	MATERIAL	THK.	REINFORCEMENT	ATTACHED	LOCATION
MANWAY	1 20"	REWN 150# PIPE xh	SA105N SA106-B	.500"	INTEGRAL	WELDED	END (HEAD)
LIQUID INLET FILL CONNECTION	2 3"	REWN 150# PIPE s/160	SA105N SA106-B	.438"	INTEGRAL	WELDED	SHELL
VAPOUR OUTLET	1 6"	REWN 150# PIPE s/160	SA105N SA106-B	.718"	INTEGRAL	WELDED	SHELL
BOTTOM PRODUCT	1 4"	REWN 150# PIPE s/160	SA105N SA106-B	.531"	INTEGRAL	WELDED	SHELL
REBOILER DRAIN ACCUMULATOR DRAIN	4 2"	REWN 150# PIPE s/160	SA105N SA106-B	.343"	INTEGRAL	WELDED	SHELL
FUEL GAS PREHEAT COIL							
L.S.L. REBOILER	12 1 1/2"	REWN 150# PIPE xxh	SA105N SA106-B	.400"	INTEGRAL	WELDED	SHELL
L.S.L. ACCUMULATOR							
L.G. REBOILER							
L.G. ACCUMULATOR							
T.I., T.S.H.							

Certificate of Authorization: Type U No. 15742  
Date May 17/95 Name MALONEY STEEL LTD.  
Date May 17/95 Name Maloney Steel Ltd.  
(Authorized Inspector)

Expires May 05 '99 Signed [Signature]  
Commission [Signature]  
ALBERTA (representative)

(Natl. Board incl. endorsement, state, province and no.)  
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