

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

1. Manufactured by Riley-Beaird, Inc., Shreveport, Louisiana
 2. Manufactured for Dome Petroleum Ltd., Calgary, Alberta
 3. Location of installation MARKATO, MN
 4. Type Horiz. Tank 143466-01-4 143466-01-C 51592 (Year Built) 1977
(Horiz. or Vert. Tank) (Mfg.'s Serial No.) (CRN) (Drawing No.) (Nat'l. Bld. 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 1977 and Addenda to Summer 1977 and Code Case Nos. N/A

* As Indicated in the Shop Inspector's Log.

Special Service per UG-120(d) N/A
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A

6. Shell: Matl. SA-612 Nom. Thk. 13/16 In. Corr. Allow. 0 In. Diam. 10 ft. 10-1/4 ft. Length 122 ft. 6 in.
(Spec. No., Grade) (Welded, Dbl., Sngl., Lap, Butt) (Spot or Full) (Spec. Partial, or Full)

7. Seams: Long. Dbl. Butt R.T. Full Efficiency 100 % H.T. Temp. N/A F Time hr.
(Welded, Dbl., Sngl., Lap, Butt) (Spot or Full) (Spec. Partial, or Full)

Girth Dbl. Butt R.T. Full No. of Courses 17
(Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial, or Full)

8. Heads: (a) Material SA-612 (b) Material
(Spec. No., Grade) (Spec. No., Grade)

Head Seams Spot X-Ray'd Joint Eff. 85%

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemish. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
Ends	1/2"	0"					65,1317		Concave

If removable, bolts used (describe other fastenings)

(Material, Spec. No., Gr., Size, No.)

9. Constructed for max. allowable working pressure 250 psi at max. temp. 125 °F. Min. temp. (when less than -20 °F) F. Hydrostatic, test pressure 375 psi.

10. Safety Valve Outlets: Number (3) Size 4" Location Top In Shell

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Manway (1)	18" 300# WN	SA-105	w/1/2" Plate	SA-612		SA-612	Welded	Shell
Outlet (1)	6" 300# WN	SA-105	w/Sch. 40	Pipe SA-105-B		SA-612	Welded	Shell
Relief (3)	4" 300# WN	SA-105	w/Sch. 80	Pipe SA-105-B		SA-612	Welded	Shell
Inlet (1)	4" 300# WN	SA-105	w/Sch. 80	Pipe SA-106-B		SA-612	Welded	Shell
Drain Well (1)	4" 300# WN	SA-105	w/Sch. 80	Pipe SA-106-B		SA-612	Welded	Shell
See Form U-4 Attached for other Nozzles								

12. Supports: Skirt No Lugs Legs Other (2) Saddles Attached Shell Welded
(Yes or No) (No) (No) (Describe) (Where and how)

13. Remarks: 130-1/4" I.D., X 133' - 3-3/8" O.A. Length 89,690 W.G. L.P.G. Storage Tank.

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 1-17-78 Signed RILEY-BEARD, INC. by
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 11,840 expires March 12, 19 79

CERTIFICATE OF SHOP INSPECTION

Vessel made by RILEY-BEARD, INC. at SHREVEPORT, LOUISIANA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of La. and employed by COMMERCIAL UNION INS. CO. OF BOSTON, MASS. have inspected the pressure vessel described in this Manufacturers' Data Report on * 12-20, 19 77, 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 a loss of any kind arising from or connected with this inspection.

Signed Date 1/18/78 Commission N. B. Comm. 8431
(Inspector's Name) (Date) (Inspector's Name, State, Province and No.)

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

1. Manufactured by Riley Beard Inc., Shreveport, Louisiana
 (Name and address of manufacturer)

2. Manufactured for Dome Petroleum Ltd., Calgary, Alberta
 (Name and address of purchaser)

3. Location of Installation _____
 (Name and address)

4. Type Horizontal Tank Vessel Number 143466-01-4 143466-01-C 51592
 Horiz. Vert. Tank, etc. Mfr. serial CAN Dwg. Nat'l. Bld. No.

Year Built 1977

Data Report
Item Number

Remarks

11. Nozzles and Inspection Openings:

Purpose (Inlet Outlet Drain)	No	Diam or Size	Type	Matl	Nom Thk	Reinforcement Matl	How Attached	Location
Blowdown	(1) 3"	300# WN	SA-105 w/Sch. 80	Pipe	SA-106-B	SA-612	Welded	Shell
Bridle	(2) 2"	300# WN	SA-105 w/Sch. 80	Pipe	SA-106-B		Welded	Shell
Spring Guide	(2) 1-1/4"	300# WN	SA-105 w/Sch. 80	Pipe	SA-106-B		Welded	Shell
Siphon Drain	(1) 2"	300# WN	SA-105 w/Sch. 80	Pipe	SA-106-B		Welded	Shell
L.L.G. (1)	1-1/2"	300# WN	SA-105 W/Sch. 80	Pipe	SA-106-B		Welded	Shell
Pressure	(1)	3/4"	Colg.	SA-105	6000#		Welded	Head
Thermowell	(1)	1-1/4"	Pipe Stub	SA-106-B	.382"		Welded	Head

Date 1-17-78

RILEY BEARD, INC.
Manufacturer

Signed W. H. Thomas

Date 1/18/78

Authorized Inspector's Signature George January

Commissions W. H. Thomas

N. B. Comm. 8431
N. B. Comm. 7167

Natl. Board, State, Province and No.