

(A) 185470

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS D.B. #A5888  
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only) PO-8005-C22  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 Texaco #V304

- 1. Manufactured by Dominion Bridge Company Ltd. Calgary, Alberta
- 2. Manufactured for Texaco Canada Ltd. c/o Phoenix Constructors Ltd. V-304
- 3. Location of Installation Bonnie Glen Plant
- 4. Type Horiz. A5888 E565.2 #1-A5888 (Year Built) 1981  
(Horiz or vert. tank) (Mfg's Serial No.) (CRN) (Drawing No.) (Nat'l 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 80 and Addenda to 80 and Code Case Nos. \_\_\_\_\_  
(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. SA516-70 26 M 1.6 M 3658 M 34250 M  
(Spec. No., Grade) Thk. Allow. in. Diam. in. Lgth. ft in. (Material, Spec. No., Gr., Size, No.)
- 7. Seams: Long. D.B.W. Full Efficiency 100 % H.T. Temp. \_\_\_\_\_ F Time \_\_\_\_\_ hr  
(Welded, Dbl, Sngl, Lap, Butt) (Spot or Full)
- Girth D.B.W. Spot No. of Courses 13  
(Welded, Dbl, Sngl, Lap, Butt) (Spot, Partial, or Full)
- 8. Heads: (a) Material SA516-70 (b) Material SA516-70  
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisp. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) Top	1.02"	.063"			2:1				Concave
(b) Bottom	1.02"	.063"			2:1				Concave

If removable, bolts used (describe other fastenings) (1565kPa) (Material, Spec. No., Gr., Size, No.)

- 9. Constructed for max. allowable working pressure 227 psi at max. temp. 145 F. Min. temp. (when less than -20 F) \_\_\_\_\_ F. Hydrostatic, pneumatic, or combination test pressure 347 psi.
- 10. Safety Valve Outlets: Number \_\_\_\_\_ Size \_\_\_\_\_ Location On Piping
- 11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Meth.	How Attached	Location
<u>Various See Drawing #1 - A5888</u>								

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

13. Remarks: C.C. 13160 Cu. Ft. (373 Cu. M)

**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 Dec 23 1981 Signed Dominion Bridge Co. Ltd. by \_\_\_\_\_  
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 10684 expires Dec. 31, 19 82

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by Dominion Bridge Co. Ltd. at Calgary

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 Prov. of Alberta have inspected the pressure vessel described in this Manufacturers' Data Report on Sept 23 19 81, 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 [Signature] Date 8-29-81 Commissions \_\_\_\_\_  
(Inspector) (Nat'l Board, State, Province and No.)

(A)185470

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS D.B. #A5888  
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only) Po-2005-02  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 Texaco #304

1. Manufactured by Dominion Bridge Company Ltd. Calgary, Alberta  
2. Manufactured for Texaco Canada Ltd. c/o Phoenix Constructors Ltd.  
3. Location of Installation Bonnie Glen Plant  
4. Type Horiz. A5888 E565.2 #1-A5888 (Year Built) 1981  
(Horiz. or vert. tank) (Mfg's Serial No.) (CRN) (Drawing No.) (Nat'l 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 80 and Addenda to 80 and Code Case Nos. \_\_\_\_\_  
(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. SA516-70 Nom. 26 M/M Corr. (1.6<sup>M</sup>/M) (365<sup>M</sup>/M) (34250<sup>M</sup>/M)  
(Spec. No., Grade) Thk. Allow. in. Diam. 144 in. Lgth. 112 ft 49/16 in.  
7. Seams: Long. D.B.W. R.T. Full Efficiency 100 % H.T. Temp. \_\_\_\_\_ F Time \_\_\_\_\_ hr  
(Welded, Dbl. Sngl. Lap, Butt) (Spot or Full)  
Girth D.B.W. R.T. Spot No. of Courses 13  
(Welded, Dbl. Sngl. Lap, Butt) (Spot, Partial, or Full)  
8. Heads: (a) Material SA516-70 (b) Material SA516-70  
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bonom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) <u>Top</u>	<u>1.02"</u>	<u>.063"</u>			<u>2:1</u>				<u>Concave</u>
(b) <u>Bottom</u>	<u>1.02"</u>	<u>.063"</u>			<u>2:1</u>				<u>Concave</u>

If removable, bolts used (describe other fastenings) (1565KPa) (Material, Spec. No., Gr., Size, No.) \_\_\_\_\_

9. Constructed for max. allowable working pressure 227 psi at max. temp. 145 F. Min. temp. (when less than -20 F) \_\_\_\_\_ F. Hydrostatic, pneumatic, or combination test pressure 347 psi.  
10. Safety Valve Outlets: Number \_\_\_\_\_ Size \_\_\_\_\_ Location On Piping

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
<u>Various See Drawing #1 - A5888</u>								

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

13. Remarks: C.C. 13160 Cu. Ft. (373 Cu. M)

**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 Feb. 27 11 Signed Dominion Bridge Co. Ltd. by \_\_\_\_\_  
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 10684 expires Dec. 31 19 82

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by Dominion Bridge Co. Ltd. at Calgary  
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 Prov. of Alberta have inspected the pressure vessel described in this Manufacturers' Data Report on Sept 23 19 81, 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 [Signature] Date 8-29-81 Commissions \_\_\_\_\_  
(Inspector) (Nat'l Board, State, Province and No.)

CB-47A



CERTIFICATE OF INSPECTION

THE BOILERS & PRESSURE VESSELS ACT 1975  
General Safety Services Division  
Boilers Branch

VESSEL NO. (A) 185470  
DATE OF INSPECTION 230981  
DAY MONTH YEAR

NAME & ADDRESS OF OWNER TEXACO CANADA LTD. 605 - 5 AVENUE S.W., CALGARY  
LOCATION OF VESSEL BONNIE GLEN PLANT, ALBERTA COMPANY TAG NO. EV-304  
DESCRIPTION OF VESSEL RERUN TANK YEAR BUILT 1981 C.R.N. E-565.2  
(IF CARGO TRANSPORT, STATE AUTHORIZED SERVICE)  
HYDROSTATIC TEST PRESSURE 2392 KPA HEATING SURFACE CUBICAL CAPACITY 373 m<sup>3</sup>  
MAXIMUM PRESSURE AUTHORIZED 1565 KPA AT 63 °C ON SHELL SAFETY VALVE T.B.I.  
INSTRUCTIONS TO OWNER: TO BE INSTALLED ACCORDING TO REGULATIONS

MFR'S NAME DOMINION BRIDGE CO. SERIAL NUMBER A-5888 INSPECTOR'S NAME G. GORDON/sb  
INSPECTOR'S SIGNATURE

NOTE: REQUIREMENTS OF THE BOILERS AND PRESSURE VESSELS ACT 1975 AND THE REGULATIONS ISSUED THEREUNDER: The owner or person in charge shall report all accidents involving a boiler, pressure vessel or personnel to the District Inspector immediately and shall also send a full report in writing to the Chief Inspector as required by the Act. No repairs or alterations may be made unless authorized by an Inspector.

Po- 8005-022  
TAG- V-304