

(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-8000-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 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
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. Corr. (1.6^M/M) (3658^M/M) (34250^M/M)
(Spec. No., Grade) Thk. 26 M. in. Allow. .063 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, Bottom, 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
Various See Drawing #1 - A5888								
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(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-2005-020
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 Texaco #1304

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) (Mfr'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 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 Corr. (1.6^M/M) (365^M/M) (34250^M/M)
(Spec. No., Grade) Thk. 26 M in. Allow. .063 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, Bottom, 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. 1450 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 1982 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 8-29-82 Commissions _____
(Inspector) (Nat'l Board, State, Province and No.)

CB-47A

Alberta
LABOUR**CERTIFICATE OF
INSPECTION**THE BOILERS & PRESSURE VESSELS ACT 1975
General Safety Services Division
Boilers BranchVESSEL 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 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 m³

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

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- Y-304