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FORM U-1A MA 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

- 1. Manufactured by Penfabco Ltd. 5220 - 103A Street, Edmonton, Alberta. T6H 2J5
- 2. Manufactured for Hycan Corporation, #225, 5008 - 36 Street, Edmonton, Alberta
- 3. Location of Installation Battery #27, Turner Valley, Alberta T6E 5S2
- 4. Type Vertical EF-346 E1560.2 A-1269-1 (Year Built) 1981

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 1980 (Year) and Addenda to (Date) and Code Case Nos. Special Service per UG-120(d) Manufacturers' 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. Thk: 9.53mm Corr. Allow: 1.59mm 915mm 0.0 7470mm In. (Spec. No., Grade) (In. Diam.) (In. Length)

7. Seams: Long: WDB R.T. Full E.H. 100 % N.P. Temp: 1100 F Time: 1/2 Hr. GIRTH: WDB R.T. Full No. of Courses (Process, Cor. Shop, Lin. Over) (Joint or Part)

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

Location (Top, Bottom, Head)	Minimum Thickness	Corrosion Allowance	Open Radius	Radius Ratio	Height Ratio	Crotch Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top	9.53mm	1.59mm			2:1				Concave
(b) Bottom	9.53mm	1.59mm			2:1				Concave

9. Const. for max. AWP: 1900 kPa (PSI) at max. temp. 38 °C (Material, Spec. No., Gr., S.S. No.) (for const. temp.) 2850 kPa (for const. temp.) P. Hydro. Press., Pressure F. Min. Temp.

10. Safety Valve Outlets: Number _____ Size _____ Location: Installation by others

11. Nozzles and Inspection Openings:

Number (Incl. Outlet, Head)	No.	Dim. or Size	Type	Matl.	Nom. Thk.	Reinforcement (Matl.)	How Attached	Location
Refer to drawing A-1269-3								

12. Supports: Skirt Yaw Legs (Type or Matl.) (Matl.) (Spec. No.) Attached: Welded to bottom head (Where and How)

13. Remarks: Ultimate owner: Western Decalta Turner Valley, Alberta TOL 2X0
Volume: 4.42m³ Glycol Contactor

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: 81-11-50 Signed: Penfabco Ltd. by [Signature] "U" Certificate of Authorization No. 14,383 expires 1-10, 84

CERTIFICATE OF SHOP INSPECTION
Vessel made by Penfabco Ltd. of Edmonton, Alberta
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Alberta and employed by The Province
have inspected the pressure vessel described in this Manufacturers' Data Report on Nov 50 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 loss of any kind arising from or connected with this inspection.
Signed: [Signature] Date: 81/11/81 Commissions: [Signature] (National Board State Province and No.)

This form may be obtained from the National Board of Boiler and Pressure Vessel Inspectors, 1655 Crupper Ave., Col'a., Oh. 43229

NCR# 267.