

FORM U-1A 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

3040984

0775

1. Manufactured and certified by Sure Weld Industries Ltd 3815 56 Avenue S.E. Calgary, Alberta T2C-2E4  
(Name and address of manufacturer)

2. Manufactured for Morrison Petroleum Ltd. 3000, 400 - 3 Avenue S.W. Calgary, Alberta. T2P-4H2  
(Name and address of purchaser)

3. Location of installation LSD: 07-18-97-8-W6M  
(Name and address)

4. Type vertical 2558D.94 M. - 5896.2 2558-94-1 Rev 2 n/a 1994  
(Honz or vert, tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l Bd. No.) (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

to A93 n/a n/a  
Addenda (Date) Code Case Nos Special Services per UG - 120(d)

6. Shell SA-516-70N 1.125 .125 24" O/D 8'-0" S/S  
Mtd (Spec No., Grade) Nom Thk (in) Corr. Allow (in) Diam ID (ft. & in) Length (overall) (ft. & in)

7. Seams sngrl 'v' butt full 10J n/a - sbgrl 'v' butt spot 1  
Type (Welded Jnt Sngl, Lap, Butt) R T (Sect or Full) Eff (%) H T Term (°F) Time (hr) Girth (Welded Jnt Sngl, Lap, Butt) R T (Sect Partial or Full) No. of Courses

8. Heads (a) Matl SA-516-70N (b) Matl SA-516-70N  
(Spec. No., Grade) (Spec. No., Grade)

Location (Top Bottom Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Critical Apex Angle	Hemispherical Radius	Flat Diameter	Side In Pressure (Convex or Concave)
(a) top	1.069	.125			2:1				concave
(b) bottom	1.069	.125			2:1				concave

If removable, bolts used (describe other fastenings) n/a  
(Mtd, Spec No., Gr., Size, No.)

9. MAWP 1480 (10297) psi at max temp 100 (78) °F  
Min. design metal temp. -20 (-29) °F at 1480 (10207) psi Hydro, pneu, or comb test pressure 2220 (15310) psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam or Size	Type	Matl	Nom Thk	Reinforcement Mtd	How Attached	Location
N1 inlet	1	3"	RFWN	SA-106-B	600	SA-516-70N	weld	shell
N2 outlet	1	3"	RFWN	SA-106-B	600	SA-516-70N	weld	head
N3 drain	1	2"	RFWN	SA-106-B	436	SA-516-70	weld	head
N4 LC	1	3"	RFWN	SA-106-B	600	SA-516-70	weld	shell

11. Supports: Skirt yes 0 Legs 0 Other n/a Attached weld/bottom head  
(yes or no) (No) (No) (Describe) (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  
(Name of part, item number, Mfr)

Description: <u>3 Phase Separator</u>	Impact exempt Per UG 20(f) & UCS 66
Volume: <u>22.4 ft3 (0.63 m3)</u>	Radiography: <u>UW11a 5b</u>
See attached U-4	Metric values in brackets

**CERTIFICATE OF SHOP 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 ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 14952 expires Feb 16, 19 95  
Date Jan 10/95 Co. name Sure Weld Industries Ltd. Signed [Signature]  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**  
Vessel constructed by Sure Weld Industries Ltd. at 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. and employed by Department Of Labour  
have inspected the component described in this Manufacturer's Data Report on JAN 10<sup>th</sup>, 19 95 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with the 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 95-01-10 Signed [Signature] Commissions Alberta. 5572  
(Authorized Inspector) [Nat'l Board (incl. endorsements) State, Prov and No]

