

2006

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop Fabricated - Vessel Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

(A) 3130942

1. Manufactured and certified by **MF INTERNATIONAL VESSEL FABRICATION INC., BAY F 3514-73 AVE. S.E., CALGARY, AB, T2C 1N5**
(Name and address of manufacturer)

2. Manufactured for **MORRISON PETROLEUMS LTD., 3000-400, 3 AVE. S.E., CALGARY, AB, T2P 4H5**
(Name and address of purchaser)

3. Location of installation **PORTABLE**
(Name and address)

4. Type **24" SEPARATOR** **95-217** **M6651.2** **94-326 REV. 1** **N/A** **1995**
(Type of Vessel, Hor./vert.) (Mfr's serial No.) (CRN) (Drawing No.) (Mat'l Bd. No.) (Year)

5. The chemical and physical properties of all parts meet the requirements of material specification of the ASME BOILER AND PRESSURE VESSELS CODE.
The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1
1992
(Year)

to **1994** **N/A** **N/A**
(Addenda (date)) (Code Case No.) (Special service per UG-120(d))

6. Shell: **SA-516-70N** **.625"** **.125"** **22.75"** **96"**
(Mat'l (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. All. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: **SWB** **FULL** **100%** **1150°F** **1 HR.** **SWB** **FULL** **1**
(Long (Weld Dbl. Singl., Lap, Butt)) (R.T. (Spot or Full)) (Eff. (%)) (H.T. Temp (F)) (Time (hr)) (Girth (Welded Dbl., Singl., Lap, Butt)) (R.T. (Spot, Partial or Full)) (No. of Courses)

8. Heads: (a) Mat'l **SA-516-70N** (b) Mat'l **SA-516-70N**
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press (Conc/Conv)
(a)	TOP	.686"	.125"	—	—	2:1	—	—	—	CONC
(b)	BTM	.686"	.125"	—	—	2:1	—	—	—	CONC

If removable, bolts used (describe other fasteners) **SA-193-B7M STUDS / SA-194-2HM NUTS**
(Material Specification No. Gr., Size, No.)

9. MAWP: **740Psi (5102Kpa)** at max. temp **100°F (37.7°C)**
Min. Des. Met. Temp. **-20°F (-28.9°C)** at **740 psi** Hydro., pneu. or comb. test pressure **1110Psi (7653Kpa)**

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Dm)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
INLET/OUTLET	2	3"	300# RFLWN	SA-105N	.810"	N/A	WELD	SHELL
LLC / INSP	2	3"	300# RFLWN	SA-105N	.810"	N/A	WELD	SHELL
FW / HCOOUT	2	2"	300# RFLWN	SA-105N	.655"	N/A	WELD	SHELL
WATER OUT	1	2"	300# RFLWN	SA-105N	.655"	N/A	WELD	SHELL
DRWIN	1	2"	300# RFLWN	SA-105-B	.438"	N/A	WELD	BTM HEAD
GS / SPARE	8	1"	TOL	SA-105N	.6000"	N/A	WELD	SHELL
INSP	1	2"	TOL	SA-105N	.6000"	N/A	WELD	SHELL
TI / PI	2	3/4"	TOL	SA-105N	.6000"	N/A	WELD	SHELL
VENT	1	1"	TOL	SA-105N	.6000"	N/A	WELD	TOP HEAD

11. Supports: Skirt **YES** Lugs **—** Legs **—** Other **—** Attached **WELDED TO BOTTOM HEAD**
(Yes/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: **NONE**

SERVICE: **SOUR** (Name of part, item number, Mfr's name and identifying stamp)
SAFETY VALVES: **ON PIPING** RADIOGRAPHY **UW-11(a)**
CUBIC CAPACITY: **23.2Ft³ (0.656M³)** IMPACT TESTING: **EXEMPT PER UG-201(1-5)**
FABRICATED TO DRAWING NO. **95-205 REV. A**

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 the ASME Code for Pressure Vessels, Section VIII, Division 1, "U" Certificate of Authorization No. **23479** **JUNE 17, 1997**
Date **3 JAN 96** Co. Name **INTERNATIONAL VESSEL FABRICATION** Signed **[Signature]**
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by **INTERNATIONAL VESSEL FABRICATION INC.** at **CALGARY, ALBERTA, CANADA**
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 **ALBERTA BOILERS SAFETY ASSOCIATION**
have inspected the component described in the Manufacturer's Data Report on **Jan 4 1996** 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 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 **Jan 4, 96** Signed **[Signature]** Commission **ALTA #11**
(Authorized Inspector) (National Board (Incl. endorsement), State, Prov. and Dec 28, 1995)