2 of 6

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) 3130959

1. Manufactured and certified by IVF 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 (Type of Vessel,Hor.,vert) | 95-218 (Mfgr's serial No.) | M6651.2 (CRN) | 94-326 REV. 1 (Drawing No.) | N/A (Nat'l Bd. No.) | 1995 (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 (Addenda (date)) | N/A (Code Case No.) | N/A (Special service per UG-120(d))

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

7. Seams:

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

8. Heads: (a) Mat'l SA-516-70N (Spec. No. Grade) (b) Mat'l SA-516-70N (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 Pres (Conc/Conv)
(a)	TOP	.868"	.125"	—	—	2:1	—	—	—	CONC
(b)	BTM	.868"	.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(-28.8°C) at 740 psi Hydro.,pneu, or comb. test pressure 1110Psi(7653Kpa)

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drn)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
INLET/OUTLET	2	3"	300# RFLWN	SA-105N	.816"	N/A	WELD	SHELL
LLC / BSP	2	3"	300# RFLWN	SA-105N	.816"	N/A	WELD	SHELL
PV / HCOUT	2	2"	300# RFLWN	SA-105N	.855"	N/A	WELD	SHELL
WATER OUT	1	2"	300# RFLWN	SA-105N	.855"	N/A	WELD	SHELL
DRAIN	1	2"	300# RFWN	SA-106-B	.436"	N/A	WELD	BTM HEAD
GG / SPARE	8	1"	TOL	SA-105N	6000#	N/A	WELD	SHELL
BSP	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 (Yes/no) Lugs — (No.) Legs — (No.) Other — (Describe) Attache WELDED TO BOTTOM HEAD (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 (Name of part, item number, Mfgr's name and identifying stamp)

SERVICE: SOUR GAS SAFETY VALVES: ON PIPING RADIOGRAPHY UW-11(a)
CUBIC CAPACITY: 23.2Ft³(0.656M³) IMPACT TESTING: EXEMPT PER UG-20f(1-5)
FABRICATED TO DRAWING NO. 95-206 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 expire JUNE 17, 1997

Date 3 JAN 96 Co Name INTERNATIONAL VESSEL FABRICATION (Manufacturer) Signed _____ (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 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 _____ (Authorized Inspector) Commission _____ (Nat'l Brd (incl.endorsements), State, Prov. and No.)

Dec 28,1992