

11/2

AMENDED 1

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

1. Manufacturer and certified by SMITH INDUSTRIES, INC. 8300 Hempstead Hwy. Houston, Texas 77008
(Name and address of manufacturer)

2. Manufactured for FREEMONT McNORAN OIL & GAS
(Name and address of purchaser)

3. Location of installation UNKNOWN
(Name and address)

4. Type: VERTICAL 91-495 --- D-2-7-491 21485 1991
(Name, or vert., tank) (Mfr's serial No.) (CRN) (Drawing No.) (Ret'l. Bd. No.) (Year Built)

5. The chemical and physical properties of all parts meet the requirements of material specification of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to the ASME Rules, Section VIII, Division 1: 1989
to A-89 ----- -----
(Addenda (Date)) (Code Case Nos.) (Special Service per UG-120(d))

6. Shell: SA-516-70 (N) 2-1/2" 1/8" 54" OD 22'-6"
(Mat'l. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. ID (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: DOUBLE FULL 100% 1100° 128 MINUTES DOUBLE/SINGLE FULL 3
(Long (Welded, Dbl., Sngl., Lap, Butt)) (R.T. (Spot or Full)) (EN. (%)) (H.T. Temp. (F)) (Time (hr)) (Grth (Welded, Dbl., Sngl., Lap, Butt)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

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

Location (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Concave or Convex)
(a) END	2.3370	1/8	--	--	2:1	--	--	--	Concave
(b) END	2.3370	1/8	--	--	2:1	--	--	--	Concave

If removable, bolts used (describe other fastenings): -----
(Mat'l., Spec. No., Gr., Size, No.)

9. MWP: 1480 psi at max. temp. 100 °F
Min. design metal temp. 33 °F at 1480 psi. Hydro., pneu., or comb. test pressure 2220 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
MANWAY	1	18" 600#	LWN	SA-105	2.60"	INTEGRAL	WELDED	SHELL
GAS IN	1	8" 600#	LWN	SA-105	2.16"	INTEGRAL	WELDED	SHELL
GAS OUT	1	8" 600#	LWN	SA-105	1.38"	INTEGRAL	WELDED	HEAD
INSPECTION	8	6" 600#	LWN	SA-105	1.38"	INTEGRAL	WELDED	SHELL
DRAIN	2	2" 600#	WN	SA-106B	0.344"	INTEGRAL	WELDED	HEAD

11. Supports: Skirt YES Lugs 2 Legs --- Other ----- Attached WELDED TO HEADS
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: -----
(Name of part, item number, Mfr's name and identifying stamp)

FOR ADDITIONAL INFORMATION SEE ATTACHED U-4 FORM
54" OD x 22'-6" S/S 8 TRAY GLYCOL CONTACTOR
S/O 31869-0008

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. 4027 expires 9-29, 1994. Name <u>SMITH INDUSTRIES, INC.</u>	
Date: <u>6-23-92</u>	Signed: <u>[Signature]</u>
CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>SMITH INDUSTRIES, INC.</u> at <u>8300 Hempstead Hwy. Houston, Texas 77008</u> . 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 <u>Texas</u> and employed by <u>EMPLOYERS CASUALTY COMPANY</u> , have inspected the component described in this Manufacturers' Data Report on <u>9-27-1992</u> , 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 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.	
Date: <u>6-24-1992</u>	Signed: <u>[Signature]</u> Commissions: <u>TEXAS 1421 NATIONAL BOARD 11112</u>

2/a

FORM U-4 MANUFACTURERS' DATA REPORT SUPPLEMENTARY SHEET
as required by the provisions of the ASME Code rules, Section VIII, Division 1

AMENDED 

1. Manufacturer and certified by SMITH INDUSTRIES, INC. 8300 Hempstead Hwy. Houston, Texas 77008
(Name and address of manufacturer)

2. Manufactured for FREEPORT-MCMORAN OIL & GAS
(Name and address of purchaser)

3. Location of installation UNKNOWN
(Name and address)

4. Type: VERTICAL 91-495 --- D-2-7-491 21485 1991
(Hem. or vert., tank) (Mfr's serial No.) (CPN) (Drawing No.) (Net'l. Bd. No.) (Year Built)

Date Report
Item Number

Remarks

#10 PURPOSE	NO.
GLYCOL IN/OUT	2
RELIEF VALVE/DRAIN	2
SPARE	2
LEVEL GAUGE	2
BLOWDOWN	1
DRAIN/RELIEF/PI	10

DIAM.	TYPE	MATERIAL	THICKNESS	REINFORCEMENT	ATTACHED	LOCATION
2" 600#	WN	SA-106B	0.344"	INTEGRAL	WELDED	SHELL
2" 600#	WN	SA-106B	0.344"	INTEGRAL	WELDED	SHELL
2" 600#	LWN	SA-105	0.66"	INTEGRAL	WELDED	SHELL
1" 600#	LWN	SA-105	0.56"	INTEGRAL	WELDED	SHELL
2" 600#	LWN	SA-105	0.66"	INTEGRAL	WELDED	SHELL
1/2"	CPLG	SA-105	6000#	INTEGRAL	WELDED	SHELL

NDMT per UCS 66 (a)

RT 100% ALL NOZZLE BUTT WELDS

UT ALL NOZZLE ATTACHMENT WELDS

54" OD x 22'-6" S/S 8 TRAY GLYCOL CONTACTOR

S/O 31869-0008

Date 6-23-92 Co. name SMITH INDUSTRIES, INC. Signed [Signature]
Date 6-24-92 Signed Judith D. Kenney Commissions TX 1421 NATL. BD. 11119
(Authorized Inspector) (Net'l. Bd. (incl. endorsements) state, prov. and no.)