

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

1. Manufactured and certified by SMITHCO Engineering, Inc., 6211 S. 39th W. Ave., Tulsa, OK 74132
(Name and address of manufacturer)

2. Manufactured for PETROFAC INCORPORATED TYLER, TX 75701
(Name and address of purchaser)

3. Location of installation PETROFAC INCORPORATED BAKERSFIELD, CA
(Name and address)

4. Type Horiz(Non-Cir) 95B-2541-A 95B-2541 6553 1996
(HORIZ 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 A94
Material (Date)

6. Shell: Tube & Plug Sheets: SA-516 GR-70 Fr. 750/ Bk. 750 1250 Fr 0' 7.8750"/Bk 0' 7.8750" 13' 8.2500"
Mat'l (Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Corner Joint 100 1100 60min. 1
Long (Welded, Dbl. Spot, Lap, Butt) R.T. (Spot or Full) Ell. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl. Spot, Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses

8. Heads: (a) Mat'l. (a) Covers: SA-516 GR-70 (b) Mat'l. (b) Ends: SA-516 GR-70
(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	Stitch to Pressure (Cover or Concrete)
(a)	Fr/Bk	.500/.500	1250						5.5000/2.0000 x 164.2500	Flat
(b)	Fr/Bk	.500/.500	1250						5.5000/2.0000 x 7.3750/7.3750	Flat

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

9. MAWP 150 psi at max. temp. 200 °F
 Min. design metal temp. -20 °F at 150 psi. Hydro., pneu., or comb. test pressure 225 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Inlet	2	6" 150/XS	RFWN	SA-105/	.432	Weld Metal	Welded	Front Head
Outlet	2	4" 150/160	RFWN	SA-105/	.531	Weld Metal	Welded	Front Head
Vent/Drain	2	1.5" 150/XX	RFWN	SA-105/	.400	Weld Metal	Welded	Back Head

11. Supports: Skirts No Lugs (No) Legs 4 Other Attached Welded to covers
(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:
(Name of part, item number, Mfr's name and identifying stamp)

Impact testing exempt per: UG-20(f) Item: E-216 Service: IC4/NC4 VAP COND
Tubes: SA-214 WLD- 282 x 1.00" x .083" x 38.0000'-Straight
Front: Constructed per UW13, Back: Constructed in conformance with appendix 28

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. <u>4175</u> expires <u>February 28th</u> , 19 <u>97</u>	
Date <u>01-02-96</u>	Co. name <u>SMITHCO Engineering, Inc.</u> Signed <u>J. Phillips</u> <small>(Manufacturer) (Representative)</small>
CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>SMITHCO Engineering, Inc.</u> at <u>Tulsa, Oklahoma</u>	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of <u>Oklahoma</u> and employed by <u>Delta Lloyds Insurance Company - Houston, Texas</u>	
have inspected the component described in this Manufacturer's Data Report on <u>1-10</u> 19 <u>96</u> , 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 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 loss of any kind arising from or connected with this inspection.	
Date <u>1-10-96</u> Signed <u>[Signature]</u> Commissions <u>NB7003.A.OK355</u> <small>(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)</small>	