

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

227463

1. Manufactured and certified by Barber Industries Ltd. 9625 Shepard Road S.E. Calgary, Alberta. T2H 2P3
(Name and address of manufacturer)

2. Manufactured for Anderson Exploration Ltd. 2500 -700-9th Ave. S.W. Calgary, Alberta. T2P 4B3
(Name and address of purchaser)

3. Location of installation LSD-15-3-81-4 W6M

4. Type Vertical Scrubber 203356 - 2 F-8708.2 203356 1986
(ASME Code, Part, Section, Division, and Year) (Drawing No.) (Unit's S.A. No.) (Year Made)

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, 1983

6. Shell: Winter 1985 AS16-70N* .500 .0625 36" 13'-6 5/8"
(Material, Spec. No., Grade) (Corr. Allow.) (Shell Thickness) (Outside Dia.) (Length) (Inside Dia.)

7. Seams: Welded Dbl. Butt Full 100 N/A N/A Welded Sngl Butt Full 1
(Type of Seam) (S.A. Code, Part, Section, Division, and Year) (S.A. Code, Part, Section, Division, and Year) (S.A. Code, Part, Section, Division, and Year) (S.A. Code, Part, Section, Division, and Year)

8. Heads: (a) Matl. SA516-70 (b) Matl. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Spigot Ratio	Conical Angle	Hemispherical Radius	Flat Diameter	Stitching Pressure (Corrosion or Concave)
Top	.449	.0625			2:1				Concave
Bottom	.449	.0625			2:1				Concave

If removable, bolts used (describe other fastenings)

9. MAWP 375 (2586 KPA) 150 (66°C) 563 (3882 KPA)
Min. temp. (when less than -20°F) psi at max. temp. °F. Hydro., pneu., or comb. test pressure

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Size or Svc	Type	Matl.	Ratio	Reinforcement Matl.	How Attached	Location
Inlet	1	12" SMLS	PIPE	SA-333-GR6	1.00	SA516-70	Welded	Shell
Outlet	1	12" SMLS	PIPE	SA-333-GR6	1.00	SA516-70	Welded	Shell
Insp. Open.	2	6" SMLS	PIPE	A-333-GR6*	.718		Welded	Shell
Drain	1	2" SMLS	PIPE	SA106-B	.343		Welded	Head (b)

11. Supports: Skirt Yes Lugs Yes Other Welded Btm. Head
(Yes or No) (Yes or No) (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:

Recompressor Suction Scrubber
80.36 cu. ft. (2.276 cu.m.) capacity
* Identical with A.S.M.E. Specification SA516-70 / SA-333-GR6

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. 2698 expires March 30 1987.
Date Oct 2 1986 Barber Industries Signed [Signature] (Inspector)

Vessel constructed by Barber Industries 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 Government

have inspected the component described in this Manufacturer's Data Report on Oct 2 1986, 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 a loss of any kind arising from or connected with this inspection.
Date 86-10-02 Signed [Signature] Commissions Alberta