

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)

As Required by the Provision of the ASME Code Rules, Section VIII, Division 1 Item #. E-1255

1. Manufactured and certified by Exchanger Ind Ltd 5105-54 Ave S.E. Calgary Alberta.

(Name and address of manufacturer)

2. Manufactured for Anderson Exploration, 2500, 700 9 Avenue S.W. Calgary, Alberta

(Name and address of purchaser)

3. Location of installation Anderson Exploration, Dunvegan, Fairview, Alberta

(Name and address)

4. Type Horiz. 86-5729 B1 F8372.2 86-5729 B1 N.A. 1986

(Name or code, tank)

(Mfg's serial No.)

(CRN)

(Drawing No.)

(Mater. 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 1983

Yes

10. W-85

(Address (Date))

(Code Case Ref.)

(Special Service per UG 120(d))

6. Shell: SA 516-70 As Below 1/16" As Below AS BELOW

(Mat. Spec. No. Grade)

(Nom. Thk. (in.))

(Corr. Allow. (in.))

(Diam. ID (in.))

(Length (overall) (ft. & in.))

7. Seams: Single Root Corner Welds Spot U.T. 100 End Plates Spot U.T. 2 ends

(Long. (Welded, Det. Smp. Lap, Butt))

(R.T. (Spot or Full))

(EP. (in.))

(H.T. Temp. (°F))

(Time (hr))

(Circ. Divided, Det. Smp. Lap, Butt)

(R.T. (Spot, Partial, or Full))

(No. of Corros.)

8. Heads: (a) Matl. N.A. (b) Matl. N.A.

(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 Pressure (Concave or Convex)
(a)										
(b)										

If removable, bolts used (describe other fastenings)

(Matl., Spec. No., Gr., Size, No.)

9. MAWP 414 psi at max. temp. 200
Min. temp. (when less than -20°F) 0°F. Hydro., pneu., or comb. test pressure 621

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet	2	8" 300#	RFWN	SA-216-WCB	.500	None	Welded	Top Frt.
Outlet	2	8" 300#	RFWN	SA-216-WCB	.500	None	Welded	Bot Rear

11. Supports: Skirt Yes or no Lugs No. Legs No. Other Attached

(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, Mfg's name and identifying stamp)

Tubes. 1" x 14 BWG x 24' SA-179 Box Sizes. 6 1/2" x 8 11/16" x 9 3/4" lg.
T/S & P/S Thk. 1 1/4" End Plt Thk. 5/8" Capacity. 20.92 cu. ft.
Wrapper Thk. 1/2" Pass/Stay Plt Thk. N.A. Service. Booster Compressor After Cooler

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. 5983 expires 30 March 87
Date 23/9/86 Co. name Exchanger Industries Ltd. Signed [Signature]

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Exchanger Industries Ltd at 5105-54 Ave S.E. 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 Boilers Branch

have inspected the component described in this Manufacturer's Data Report on SEP 23, 19 86, 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 warrants, 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 86-9-23 Signed [Signature] Commissioned Alberta