

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

②233516
Item #. E-1226

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 Ltd. 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 A2 F8404.2 86-5729 A2 NA 1986
(Horizontal or vertical, term) (Mfg's serial No.) (CRN) (Drawing No.) (Mfg's Br 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
Year

10. W-85
Addenda (Date) Code Case Nos. Special Service per UG 120 (M)
6. Shell. SA-516-70 As Below 1/16" As Below AS BELOW
(Matl (Spec No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft & in.)) (Length (overall) (ft & in.))
7. Seams: Single Welded Spot U.T. 100 End Plates Spot U.T. 2 ends
(Long (Welded, Dbl., Singl., Lap, Buttl)) (RT (Spot or Full)) (EM. Pct.) (HT. Temp. (F)) (Time (hr)) (Girth (Welded, Dbl., Singl., Lap, Buttl)) (RT (Spot, Partial, or Full)) (No. of Courses)
8. Heads: (a) Matl. NA (b) Matl. NA
(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 in Concave)
(a)										
(b)										

If removable, bolts used (describe other fastenings)

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

9. MAWP 375 psi at max. temp. 320 °F
Min. temp. (when less than -20°F) °F. Hydro., pneum., or comb. test pressure 563 psi
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	1	3" 300#	RFWN	SA-106-B	.300	None	Welded	Top Frt.
Outlet	1	3" 300#	RFWN	SA-106-B	.300	None	Welded	Bot Frt.

11. Supports: Skirt Lugs Legs 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)

Notes. 1" 14 BWG x 24' lg. SA-179 Box Sizes. 6" x 8 11/16" x 2' 1 5/8" Lg.
's & P/S Thk. 1" End Plt Thk. 1" Capacity. 5.40 cu. ft.
Upper Thk. 1" Pass/Stay Plt Thk. 1" Service. De-ethanizer Bottoms 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, 1987.
Date 20 AUG. 1986 Co. name Exchanger Industries Ltd. Signed Earl Stank
(Manufacturer) (Representative)

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 AUG 26, 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 86-8-26 Signed [Signature] Commissions Alberta
(Inspected/Inspected) (Not Board final endorsement State Prov. and No.)