

FORM U-1A-N 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 RJV Gasfield Service Ltd., Box 295, Vegreville, Alberta, T0B 4T0
(Name and address of manufacturer)

2. Manufactured for Renaissance Energy Ltd. #3300, 400-3rd. Ave. S.W., Calgary, Alberta T2F 4H2
(Name and address of purchaser)

3. Location of installation 10-4-30-20-144 Chinook Hudson Field
(Name and address of purchaser)

4. Type Vertical 1457 H5121.2 V88109 1989
(Mark, or serial, number) (Drawing No.) (Part, Mat. 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, 1989 Year

TO Address (Date) Code Case No. Special Section per UG-120(a)

6. Shell: SA-516-70-N 1.375" (34.92) 1.25" (3.17) 27.25" (692 mm) 240" (6096 mm)
(Mat. Spec. No., Grade) (Nom. Thk. (In.)) (Corr. Allow. (In.)) (Diam. I.D. (In. & In.)) (Length Overall (In. & In.))

7. Seams: Long L. (S.W.B.) Full 100% S.W.B. (GAW Root) Full 2
(Long. Welded Jnt. (In.)) (H.T. Spec. or Full) (Eff. (In.)) (H.T. Temp. (°F)) (Time (hr)) (S.W.B. (In.)) (S.W.B. (In.)) (R.T. Spec. Part, or Full) (No. of Seams))

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

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle P. dia.	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Dia./water	Side to Pressure (Convex or Concave)
(a) Top	1.266 (32.16)	.125" (3.17)			2:1				Concave
(b) Bottom	1.266 (32.16)	.125" (3.17)			2:1				Concave

If removable, bolts used (describe other fastenings)

9. MAWP 1440 (9930 Kpa) 130° (54° C) psi at max. temp. 2160 (14895 Kpa) psi.
Min. design metal temp. -17 (-27° C) °F at 1440 (9930 Kpa) psi. Hydro., pneu., or comb. test pressure

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	N1	4" (101.6)	RFWN	SA-106-B	sch. XXS	SA-516-70	Weld	Shell
Outlet	N2	3" (76.2)	RFWN	SA-106-B	sch. XXS	SA-516-70	Weld	Top Head
P.S.V.	N3	2" (50.8)	RFWN	SA-106-B	sch. XXS		Weld	Shell
Sight glass	C2a&b	1" (25.4)	RFWN	SA-106-B	sch. XXS		Weld	Shell

11. Supports: Skirt Yes No Legs No Other Attached Weld to head
(Yes or No) (Yes or No) (Yes or No) (Yes or No)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Committee. Inspectors have been furnished for the following items of the report:

Volume - 71 cu. ft. (2.0 m³)
Exempt from impact test requirements as per USC 66(d)

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. 15-732 expires July 12, 1990.
Date SEP 22 1989 Co. name RJV Gasfield Service Ltd. Signed [Signature] (Signature)

Vessel constructed by RJV Gasfield Service Ltd. at 4901 - 47 Street, Vegreville, Alberta T0B 4T0

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 Department of Labour SEP 22 1989, 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 SEP 22 1989 Signed [Signature] (Signature) Alberta (Name of Board of Inspectors) Commissioners (Name and No.)

