

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

②2841579

1. Manufactured and certified by ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. 5203 75 STREET EDMONTON, ALBERTA
(Name and address of manufacturer)

2. Manufactured for CZAR RESOURCES 144 4th AVENUE SW CALGARY, ALBERTA
(Name and address of purchaser)

3. Location of installation CZAR RESOURCES B.C. STOCK
(Name and address)

4. Type Vertical 94C-5185-06 H-4797.12 A-17402.R1 1994
(Mount, or vert., tank) (Mfg's serial No.) (CHN) (Drawing No.) (Part Id. 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
Yes

to A-1993
Addenda (Date) Code Last Name Special Service per UG-120(d)

6. Shell: SA-516-70 N 1.125 .125 21 3/4" 28'-0"
(Matl. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Welded Single Full 100 1150 1.17 Welded Single Full (uw-11a) 3
(Long. Welded, O.H., Supt., Lap, Buttl) (R.T. (Spot or Full)) (E.T. (in.)) (H.T. Temp. (°F)) (Time (hr)) (Circ. Welded, O.H., Supt., Lap, Buttl) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Matl. SA-516-70 N (Spec. No., Grade) (b) Matl. SA-516-70 N (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 (Convex or Concave)
(a)	Top	1.070	.125			2:1				Concave
(b)	Bottom	1.070	.125			2:1				Concave

If removable, bolts used (describe other fastenings) (Matl., Spec. No., Gr., Size, No.)

9. MAWP 1415 psi at max. temp. 150 °F
Min. design metal temp. -20 °F at 1415 psi. Hydro., pneu., or comb. test pressure 2123 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
Gas Inlet	1	4"RFWN	600#	SA-105/106B	Sch 160	SA-516-70	Welded	Shell
Gas Outlet	1	4"RFWN	600#	SA-105/106B	Sch 160	SA-516-70	Welded	Head
P.S.V.	1	1 1/2"	T01	SA-105	6000#		Welded	Shell
Oil Outlet	1	1"	T01	SA-105	6000#		Welded	Shell

11. Supports: Skirt Yes Lugs No Legs No Other Attached Welded to Bottom Head
(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: Impact Test Exempt UG -20(f) UCS 66(c)
(Name of part, item number, Mfg's name and identifying stamp)

Glycol Contactor Capacity 2.2 m³

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. 14259 expires October 7, 1995.
Date 95-3-21 Co. name ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. at EDMONTON

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 OF ALBERTA

have inspected the component described in this Manufacturer's Data Report on March 21, 1995, 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 March 21, 95 Signed [Signature] Commissions ALBERTA #64
(Authorized Inspector) (State, Prov. and No.)

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4. Type:	Vertical	Glycol Contactor	94C-5185-06 F
	(Phone, vert., or spherical)	(Term. separator, hazard ext., etc.)	(Mfg's. name No.)
	H-4797.12	A-17407 R1	1994
	(ICB#)	(Drawing No.)	(Mat'l Id No.) (Year built)

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