

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

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

2. Manufactured for CRESTAR ENERGY P O BOX 888 STATION M CALGARY AB
(Name and address of purchaser)

3. Location of installation b-30-c/94 H-10
(Name and address)

4. Type VERT 98c-6017-08 L -3164.21 A -22870 RO N/A 1998
(Horiz. or vert., tank) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. 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 1995
Year

to A-1997 N/A N/A
Addenda (Date) Code Case Nos. Special Services per UG-120(d)

6. Shell: SA-516-70N .875 .0625 34 1/2" 10' - 0"
Mat. (Spec. No., Grade) Nom. Thk. (in.) Cor. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: WELDED DBL FULL 100 N/A N/A TYPE 1 FULL(UW-11A) 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) EN. (in.) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
(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 (Convex or Concave)
(a)	TOP	.845	.0625	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE
(b)	BOTTOM	.845	.0625	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE

If removable, bolts used (describe other fastenings) N/A
(Mat., Spec. No., Gr., Size, No.)

9. MAWP 720 psi at max. temp. 100 °F
 Min. design metal temp. -20 °F at 720 psi. Hydro., pneu., or comb. test pressure 1080 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	3" RFWN	300#	SA-105N/106B	SCH 80	SA-516-70N	UW-16.1	SHELL
GAS OUTLET	1	3" RFWN	300#	SA-105N/106B	SCH 80	SA-516-70M	UW-16.1	TOP HEAD
WATER OUT	1	2" RFWN	300#	SA-105N/106B	SCH 160	N/A	UW-16.1	SHELL
DRAIN	1	2" RFWN	300#	SA-105N/106B/234WFB	SCH 160	N/A	UW-16.1	BOTTOM HD

11. Supports: Skirt YES Lugs N/A Legs N/A Other WELDED TO Attached 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)
(Name of part, item number, Mfg's name and identifying stamp)

3 PHASE SEPARATOR CAPACITY 2.2M³

STATUS UPDATE
 LU NS11
 BPP

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 OCT 7, 19 98.
 Date 98.10.7 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 ALBERTA BOILERS SAFETY ASSOCIATION

have inspected the component described in this Manufacturer's Data Report on Oct 8, 19 98, 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 Oct 8/98 Signed [Signature] Commissions ALBERTA 5
(Inspector) (Nat'l Board (incl. endorsement), State, Prov. and No.)

004085

