

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)

as required by the provisions of the ASME Code rules, Section VIII, Division 1

②2995863

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1. Manufactured and certified by CESSCO FABRICATION & ENGINEERING LTD. 7310 - 99 STREET, EDMONTON, AB
(name and address of manufacturer)

2. Manufactured for DELTA CATALYTIC ENG & CONST 4005 8500 MACLEOD TRAIL S. CALGARY, AB
(name and address of purchaser)

3. Location of installation BEZANSON GAS PROCESSING PLANT
(name and address)

4. Type: HORIZ 3411 M4406.2 3411-0-REV 2 - 1994
(horiz or vert. tank) (mfr'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 Code, Section VIII, Division 1: 1992
(year)
(appendix (date)) (Code Case no.) (special service per UG-120(d))

6. Shell: SA516-70N 3" 0.125" 5'-6" ID 30'-0" T/T
(mat'l (spec no., grade)) (nom. thickness (in)) (corr. allow (in)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))

7. Seams: W.D.B FULL 100 1150 2 1/4 W.D.B FULL 3
(long. welded, dbl. sngt. lap, butt) (RT (spot or full)) (elt. (%)) (HT temp. (°F)) (time (hr)) (grain (welded, dbl. sngt. lap, butt)) (RT (spot, partial, or full)) (no. of courses)

8. Heads: (a) SA516-70N (b) SA516-70N
(mat'l (spec no., grade)) (mat'l (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)	END	3.003	0.125	-	-	2:1	-	-	-	CONCAVE
(b)	END	3.020	0.125	-	-	2:1	-	-	-	CONCAVE

If removable, bolts used (describe other fastenings):

FULL VAC EXT.

9. MAWP: 1305 at max. temp. 15 Min design metal temp. -40 at 1305 Hydro., pneu. or comb. test pressure 2067
(psig) (°F) (°F) (psig)

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No	Dia or Size	Type	SA Mat'l	Nom Thickness	Reinforcement Mat'l	How Attached	Location
INLET	N1	6"	RF HB	350-LF2	6001b	SELF	WELDED	SHELL
OUTLET	N2	6"	RF HB	350-LF2	6001b	SELF	WELDED	SHELL
RELIEF	N3	3"	RF HB	350-LF2	6001b	SELF	WELDED	SHELL
DRAIN	N4 A/B 2"	6001b	RFWN	333-6	Sch 160	-	WELDED	*

11. Supports: Skirt - Lugs - Legs - Other SADDLES Attached WELDED TO SHELL
(yes or no) (no) (no) (describe) (where & how)

12. Remarks: Manufacturers' 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, mfr's name and identifying stamp)

SEE ATTACHED U4 FORM

1) INLET SEPARATOR - V7300 2) 3594 ft³ 3) AMERADA HESS

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. 4546 expires 10/9, 1996

Date 11/08/94 Name CESSCO

(manufacturer)

Signed [Signature]
(representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CESSCO FAB & ENG at EDMONTON

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of ALBERTA and employed by BOILER & PRESSURE VESSEL SAFETY of ALBERTA have inspected the component described in this Manufacturers' Data Report on Aug 11, 1994 and

state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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 the Manufacturers' Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage, or loss of any kind arising from or connected with this inspection.

Date Aug 11, 1994 Signed [Signature]

(authorized inspector)

Commissions ALBERTA 33

(Nat'l Bd incl endorsement (state, prov. and no.))

as required by the provisions of the ASME Code rules, Section VIII, Division 1

(A) 2995863

- | Data Report
Item Number | Remarks |
|----------------------------|---|
| NOZZLES (10) | |
| OUTLET N5 | 2" 6001b RFWN SA333-6 Sch 160 WELDED TO SHELL |
| OUTLET N6 | 2" 6001b RFWN SA333-6 Sch 160 WELDED TO BOOT SHELL |
| L.E. N7 A/B | 2" 6001b RFWN SA333-6 Sch 160 WELDED TO BOOT SHELL |
| BRIDLE N8 A/B | 2" 6001b RFWN SA333-6 Sch 160 WELDED TO VESSEL HEAD |
| PRUGE N9 A/B | 2" 6001b RFWN SA333-6 Sch 160 WELDED TO SHELL |
| PRESSURE N10 | 2" 6001v RFWN SA333-6 Sch 160 WELDED TO SHELL |
| THERMOWELL N11 | 2" 6001b RFWN SA333-6 Sch 160 WELDED TO SHELL |
| LEVEL N12 A/B | 2" 6001b RFWN SA333-6 Sch 160 WELDED TO VESSEL HEAD |
| MANWAY M1/2 | 1B 6001b RF "V2" SA350-LF2 SELF REINFORCING WELDED TO SHELL
C/W BLINDFLANGES STUD & NUTS |
| BOOT SHELL | 1" SA516-70 24" Ø x 29 3/8 LONG |
| BOOT HEAD | 24" OD x ACTURAL MIN OF 0.973 2:1 S.E.
PRESSURE TO CONCAVE SIDE |
| *N4 A/B | N4A WELDED TO BOOT HEAD N4B WELDED TO VESSEL SHELL |

Date 11/08/94 Co. name CESSCO Signed [Signature] Representative
Date Aug 11/94 Signed [Signature] Commissions 33 ALBERTA
(Natl Bd Incl endorsement) state, prov. and natl