

107643

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 OFFENHAUSER COMPANY, 2201 Telephone Road, Houston, TX 77023
(Name and address of manufacturer)
Manufactured for E.I.DUPONT NEMOURS & CO., P.O.BOX 4924, BEAUMONT, TX 77704
(Name and address of purchaser)
3. Location of installation E.I.DUPONT, 5470 TWIN CITY HWY., BEAUMONT, TX 77705
(Name and address)
4. Type Vertical 03-3902 03-3902 950 2003
(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

to 2003 N/A
(Addenda (Date)) (Code Case Nos.) (Special Service per UG 120(d))
6. Shell: SA-240-316H 1" 0 4'-4" 7'-6" SM/SM
(Mat'l. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))
7. Seams: - - - 1 Spot 1
(Long. (Welded, Dbl., Sngl., Lap, Butt)) (R.T. (Spot or Full)) (Eff. (%)) (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-240-316H (b) Matl. SA-240-316H
(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	1"	-			2:1				CONCAVE
(b)	Bottom	.625"	--				24.88			CONCAVE

If removable, bolts used (describe other fastenings)

9. MAWP INT. 125 EXT. 0 psi at max. temp. 1200 ° F
(Matl., Spec. No., Gr., Size, No.)
Min. design metal temp. 15 ° F at 125 psi. Hydro., #1000, or other test pressure 430 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Vent	1	2"	RFWN	SA-240-316H	S/40	INHERENT	UW16.1(d)	TOP HD.
Drain	1	6"	RFWN	SA-240-316H	S/40	INHERENT	UW16.1(d)	BOT CONE
Outlet	1	20"	RFWN	SA-240-316H	.375"	SA-240-316H	UW16.1(d)	TOP HD.
Inlet	1	24"	RFWN	SA-240-316H	1.0"	SA-240-316H	UW16.1(d)	SHELL

11. Supports: Skirt NO Lugs 4 Legs Other Attached SHELL / WELDED
(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 this report:
SHELL R.C TECHNICAL SN. 9645-1 CONE R.C. TECHNICAL SN. 9645-2 NOZ. V NECK R.C. TECHNICAL 9645-3 SEE REMA
(Name of part, item number, Mfr's name and identifying stamp)
NOZ. Y NECK R.C. TECHNICAL SN. 9645-4 NOZ. Y NECK R.C. TECHNICAL SN. 9645-5 CONE R.C. TECHNICAL SN. 9645-6
OFFENHAUSER COPMANY ASSEMBLED THE UNIT FROM PARTIAL DATA PIECES. OFFENHAUSER COMPANY IS RESPONSIBLE FOR
CAT. "D" WELDS AND CAT. "B" OF THE ASSEMBLED UNIT. DESIGN WAS PERFORMED BY E. I. DUPONT.

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. 2088 expires 12/31, 2003.

Date 12-24-03 Co. Name OFFENHAUSER COMPANY Signed [Signature]
(Manufacturer) (Representative)

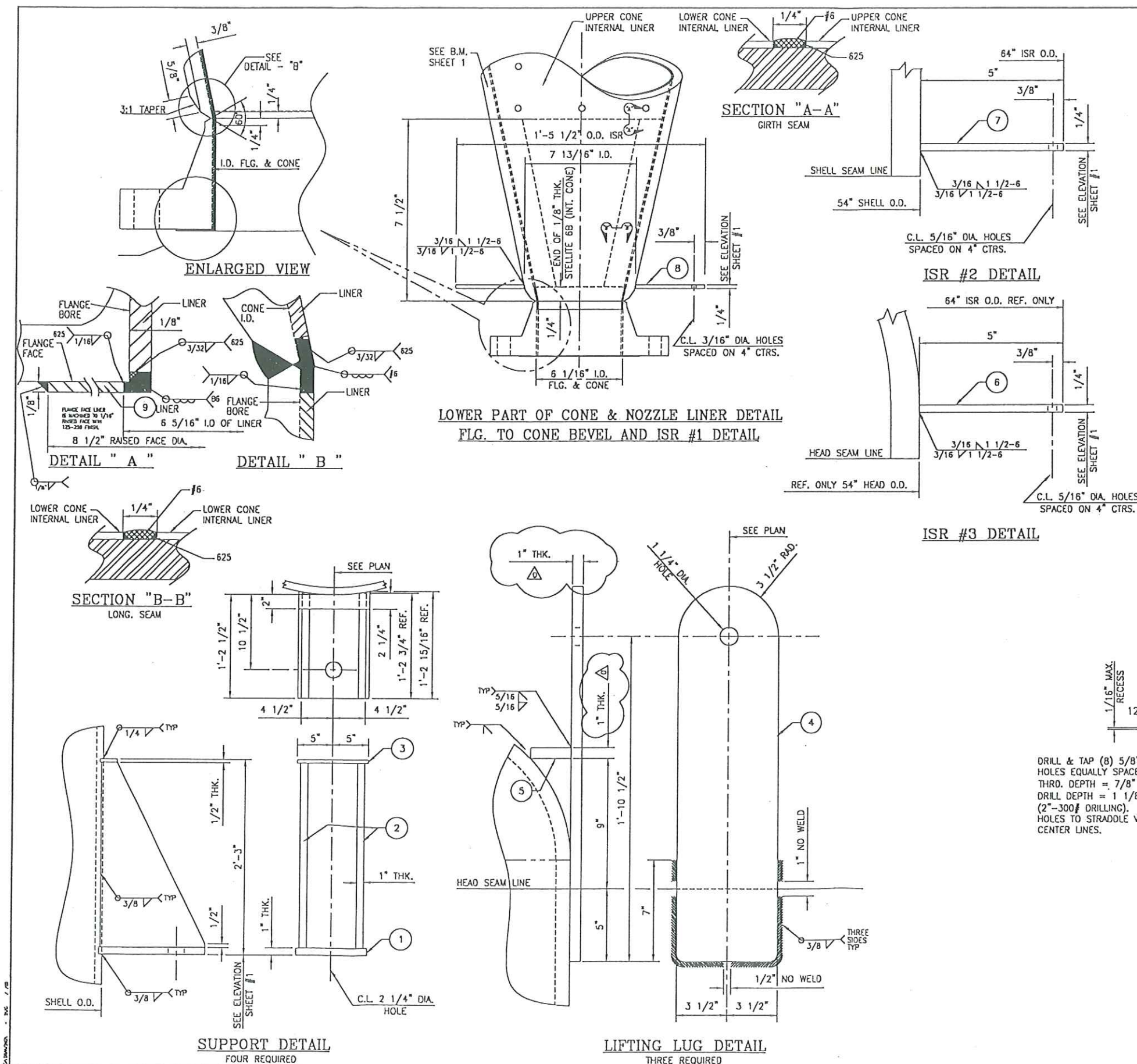
CERTIFICATE OF SHOP INSPECTION

Vessel constructed by OFFENHAUSER COMPANY at Houston, TX 77023
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TEXAS and employed by ONEBEACON AMERICA INSURANCE COMPANY Boston, MA have inspected

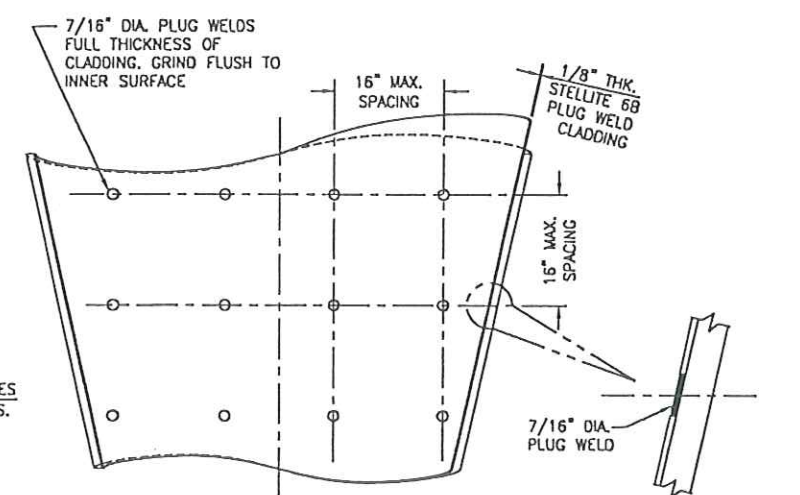
the component described in this Manufacturer's Data Report on 12-31-2003, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer 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.

12-31-03 Signed [Signature] Commissions N.B. 8826A TX # 985
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

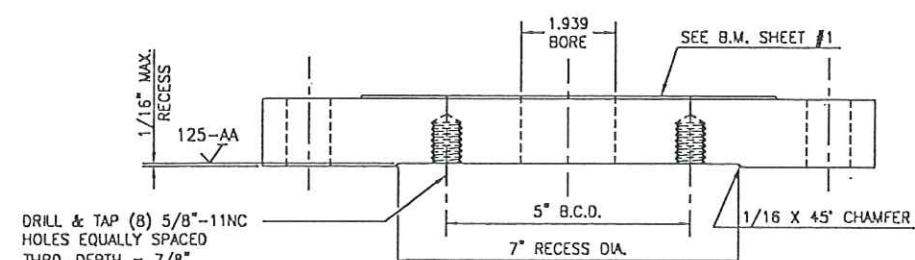
107643



BILL OF MATERIALS:			
ITEM	QTY.	DESCRIPTION:	MATERIAL
(1)	4	PL. 1" THK. X 10" X 13" LG. (BASE PLATES) SEE DETAIL	SA-240 316H
(2)	8	PL. 1" THK. X 14 3/4" X 25 1/2" LG. (GUSSETS) SEE DETAIL	SA-240 316H
(3)	4	PL. 1/2" THK. X 2 1/4" X 10" LG. (TOP PLATES) SEE DETAIL	SA-240 316H
(4)	3	PL. 1" THK. X 7" X 28" LG. (LIFTING LUGS) SEE DETAIL	SA-240 316H
(5)	3	PL. 1" THK. X 3 1/2" X 7" LG. (LIFTING LUGS GUSSETS) SEE DETAIL	SA-240 316H
(6)	1	PL. 1/4" THK. X 54 1/16" LD. REF. X 64" O.D. REF. (SR #3) SEE DETAIL	SA-240 316H
(7)	1	PL. 1/4" THK. X 54 1/16" LD. X 64" O.D. (SR #2) SEE DETAIL	SA-240 316H
(8)	1	PL. 1/4" THK. X 7 13/16" LD. X 17 1/2" O.D. (SR #1) SEE DETAIL	SA-240 316H
(9)	1	PL. 1/8" THK. X 6 5/16" LD. X 8 1/2" O.D. FLG. FACE SEE DETAIL	STELLITE 69



CLADDING PLUG WELD DETAIL ENLARGED VIEW
UPPER PART OF THE CONE



NOZZLE 'D' 6"-300# BLIND FLG. DETAIL

O	REISSUED THIS DWG. WITH OFFENHAUSER DWG. No. FOR FAB.	9-22-03	GP					PQ
O	ISSUED FOR FABRICATION	04/03/03	SG					A8
B	RE-ISSUED FOR APPROVAL	03/13/03	SG					A8
A	ISSUED FOR APPROVAL	12/17/03	SG					R0
REV.	DESCRIPTION	DATE	BY	APPROVED				

PARTIAL FABRICATION BY
R.C. TECHNICAL WELDING & FAB., INC.
SHOP ORDER NO. 9645

DRAWN BY: *Schneider Bengaly*
REVISED BY: AB
DATE: 03/11/03

CHECKED BY: RAY DELAFORCE

DATE: 12/19/02

OFFENHAUSER COMPANY

HOUSTON TEXAS

CUSTOMER: E.I. DU PONT DE NEMOURS & CO., INC.

PURCHASE ORDER #: LBP192281

PROJECT NO.: ANILINE PLANT

LOCATION: BEAUMONT, TEXAS

52"xID. x 20'-2 3/8" LG. FACE TO FACE
LUG SUPPORTED VERTICAL VESSEL
ADP CYCLONE SEPARATOR
1801-7015-01

SHOP ORDER NO:
3902

DRAWING NO.:
03-3902

DRAWN BY: GP CHECKED BY: GP DATE: 9/16/03

SHEET
☐ OF ☒ REV _____
 REV _____