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HISTORIC AMERICAN ENGINEERING RECORD

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Jet Propulsion Laboratory Edwards Facility, HAER No. CA-163-H
Test Stand D, Steam Generator Plant (Building 4280/E-81)
Edwards Air Force Base
Boron Vicinity
Kern County
California

Photographers' Credits:

Credit BG: Brian Grogan, Yosemite Photographics, Inc.
December 1994/January 1995

Credit WCT: William C. Tibbitts, Photographer, Jet Propulsion
Laboratory, Edwards Facility (dates cited in captions)

CA-163-H-1 Credit BG. View looking southeast down onto roof and the north and west facades of Steam Generator Plant, Building 4280/E-81. Vents on roof were from gas-fired steam generators. Pipes emerging from north facade are for steam. Elevated narrow tray is for electrical cables. To lower left of image (immediate north of 4280/E-81) is concrete-lined pond originally built to neutralize rocket engine exhaust compounds; it was only used as a cooling pond. To the lower right of this image are concrete pads which held two 7,500 gallon feedwater tanks for the boilers in 4280/E-81; these tanks were transferred to another federal space science organization and removed from the JPL compound in 1994. Beyond 4280/E-81 to the upper left is a reclamation pond. In the distance at the upper right of this image is the Test Stand "C" complex, with oxidizer facility 4263/E-64 visible to north of L-shaped barricade. (4263/E-64 consists only of oxidizer tanks for liquid fluorine and nitrogen tetroxide.)

CA-163-H-2 Credit BG. Looking west at east facade of Steam Generator Plant, Building 4280/E-81; steam generators have been removed as part of dismantling program for Test Stand "D." Metal cylindrical objects to left of door were roof vents. The steam-driven ejector system for Dv Cell is clearly visible on the east side of Test Stand "D" tower. The X-stage ejector is vertically installed at the bottom left of the tower, Y-stage is horizontally positioned close to the tower top, and the Z- and

JPL EDWARDS FACILITY, TEST STAND D, STEAM GENERATOR PLANT
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Z-1 stages are attached to the top of the interstage condenser. Light-colored piping is thermally insulated steam line.

CA-163-H-3 Credit WCT. Photographic copy of photograph, interior view of Steam Generator Plant 4280/E-81 when Clayton steam generators were being installed in 1972. (JPL negative no. 384-9600, 10 October 1972)

CA-163-H-4 Credit BG. Detail view of pair of Clayton steam generators. Left part of image shows front, right part shows back. Generators were removed from 4280/E-81 for shipment to a new owner.