



Shellegram

Deer Park Manufacturing Complex

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Cat Cracker undergoes big changes

A massive revamp is under way at the Cat Cracker and Gas Recovery units.

When the project is completed next year, the Cat Cracker (CCU) will be able to process heavier feedstocks with improved selectivity and produce increased gasoline octane. Also, significant additional energy will be conserved by generating more steam.

The CCU converts heavier products such as light and heavy flashed distillates into gasoline and lighter material. This lighter material flows to Gas Recovery, where it is separated into propane, butane, pentane and light gasoline. After the revamp, some residue (the bottom of the crude barrel) also will be fed to the CCU.

The major segment of the revamp will be installation of a new feed riser and stripper to replace the existing reactor. That new riser, measuring five feet (inside diameter) by 100 feet, boasts the latest technology in cat cracking. Also, a new convection section will be added to the CO heater, and the fractionator will be modified with additional steam generation.

One outstanding feature of this revamp is that production will continue uninterrupted during most of the construction period. This is similar to the procedure used during the recent cat



New C-3 treater column is erected at Gas Recovery treater unit. The 20-ton column, measuring 5 feet by 60 feet, replaces one 3½ feet by 60 feet. Its additional width will be needed to accommodate the increased propane/propylene production resulting from the Cat Cracker revamp.

cracker revamp at Shell's Wilmington Complex.

Another highlight of the project is the major role being played by operators. Several temporary operators have been brought on board to free up some operators and foremen on special assignment for the revamp.

J.T. ("Chip") Ferrell, control board operator at the CCU, is working on coordinating with Foster Wheeler the new instrument design and instrument panel layout.

Several operators have formed a team that is participating in the remodeling of the control house. They are Bill Goen, Tom Lingenfelter, Alan Mott, Robert Bolls and Lance Frierson.

Tony Linzy is helping with the training of operators replacing those on special assignments. He also is involved in training designed to get everyone ready for the new unit.

Operating supervisor of the revamp is Bill Grimmet. His primary job is to "touch base with the contractor and coordinate the planning of the work." He sees himself as a "problem solver."

Larry Riley, operating foreman on special assignment, represents the CCU, while Jerry Jones, operating

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Spring Blood Drive scheduled in May

This spring could well be the season we reach — or even surpass — the magic number 500 in DPMC's semi-annual Blood Drive.

"We have the momentum," states Willa Evans of Employee Relations, who is coordinator of the spring campaign. "Last fall, 472 Complex employees generously gave the 'gift of life' and set a new record. If just a few more of us join them this time, we'll break 500. That would be great news, not only for the Complex, but for our families and for the community at large."

The drive for the South Side will be held

May 2, 3, and 4 in the East Conference Room of the South Cafeteria and on May 5 in the Employment Office Conference Room. On the North Side, the drive is scheduled for May 9, 10, 11 and 12 in the Financial Auditorium.

Hours are 8:30 to 11:30 a.m. and 1 to 4 p.m. You may make your donation at either location.

Willa Evans says walk-in donors will be welcome, but she urges all employees to turn in the registration cards mailed to them so appointments can be made. If you have any questions, call her on Extension 6882.

If at least 25 percent of all Shell employees in the Houston area donate blood, all of us benefit. Donors receive credit on their hospital bills for the processing fee and the recruitment fee for blood units they and their families use. Also, non-donors receive credit on the recruitment fee, but must still pay the processing fee.

The average adult has 10 to 12 pints of blood in his or her system. Less than a pint (only 450 cc.) is taken from the donor. A healthy person can donate safely every eight weeks.

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Classifieds

FOR SALE

1979 Bronco. Automatic, lockout hubs, AM/FM/cassette, tilt. \$6,650. Call 476-1538.

1979 MGB. Super condition, new paint and top, AM/FM. \$3,999. Call 944-7343.

1978 Chevrolet van/camper. Air, stereo, 3-way refrig., rangetop, conv. bed, extras, good condition. \$5,250. Call 864-9734.

1978 Mercury Marquis wagon. All power, air, elec. windows, AM/FM, cruise, very good condition, 60,000 miles. \$2,795. **1974 Chevrolet Cheyenne pickup.** 350 engine, power steering and brakes, automatic, radio, new tires, shocks, muffler and tail pipe, good running condition. \$1,195. Call 328-1407 or 455-7393.

1977 Buick Park Avenue. Loaded, very good condition. Call 683-9871 after 6 p.m.

1976 VW Rabbit. '80 engine with 35,000 miles, new tires, 4-speed, good condition. \$2,500. Call 422-0639.

1975 Lincoln Continental. Fully equipped. \$1,895. Call 920-1587.

1980 Kawasaki 650 Ltd. Great shape, lots of chrome and extras, with helmets and locking cover. \$1,400. Call 428-2563.

1976 Honda 750 SS. Custom saddle seat, windjammer, 7,800 miles. \$1,300. Call 455-2075.

3-2-2 brick house. Corner fireplace, large paneled LR, carpeted, central air and heat, 2¼ detached garage, newly fenced backyard with large patio, walking distance Deer Park school, 8 minutes from Shell. Call 473-0399 after 6 p.m.

Brick house. 2-1½-carport, central air and heat, at Lake Waterwheel Estates, Shepherd, Texas on three lots. Hunting, fishing, swimming. \$46,000. Call 427-7705.

Lake Houston lot. In Newport, ⅓ acre, heavily wooded, cul-de-sac, country club membership, ready for construction. Cash or terms. Call 1-205-661-0268.

1978 Monark bass boat. Galvanized trailer, Motor Guide trolling motor, 50 hp Mercury with SST prop. \$2,500. Call 452-0509.

Cat Cracker

Continued from front page

foreman on special assignment, represents Gas Recovery. Riley and Jones are functioning as operations representatives, and are coordinating the day-to-day construction activities with operations.

Commenting on the project ahead, Nigel Curlet, process manager, CCU, said: "Over the past 37 years, the Deer Park CCU has evolved from a 17,000-barrels-a-day unit to one that can run 75,000 barrels a day. While that is an impressive achievement, this new project represents the first major change to the basic reactor-regenerator, and it will bring the unit up to the state of the art. We face a significant challenge, ensuring that it is executed safely and effectively."

Blood drive

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The units of blood provided by the Gulf Coast Regional Blood Center to area hospitals come exclusively from volunteer donors. A unit of blood is used every two minutes in this region. When voluntary donations are slow, the Blood Center can find itself without the supplies needed during emergencies. You can help eliminate such tragic situations by participating in the 1983 DPMC Spring Blood Drive this May.



Celebrating St. Patrick's Day with gusto (they really are wearing green) are Kathy Keller and Ron Keplinger of the Economics and Scheduling Department.

COMPLEX SAFETY 1983

through March 24

OSHA Recordable Rate

Year-to-Date:

2.44

Hours Worked Since
Last Lost-Time Injury:

360,800



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