



# Shellegram

## Deer Park Manufacturing Complex

*Scheduled for completion next month*

# Cat Cracker turnaround is under way

About 200 Complex personnel have been involved this month in one of the largest turnarounds in the operating lifetime of the 34-year-old Cat Cracker.

According to D.J. Erickson, process manager, Cat Cracking, the current project—the first turnaround since 1978 at the Cat Cracker—is the largest since the unit was tied into the main fractionator column in 1964.

Now on schedule, the project is being conducted in conjunction with a turnaround at Gas Recovery, which receives Cat Cracker feedstocks—a basic building block for gasoline. After Gas Recovery separates gasoline from light hydrocarbons, it is sent to the Treater for final processing. Gas Recovery also will resume operations next month.

As a result of the turnaround, major revisions at the Cat Cracker's reactor will account for an increase in gasoline production while fractionator improvements will conserve energy.

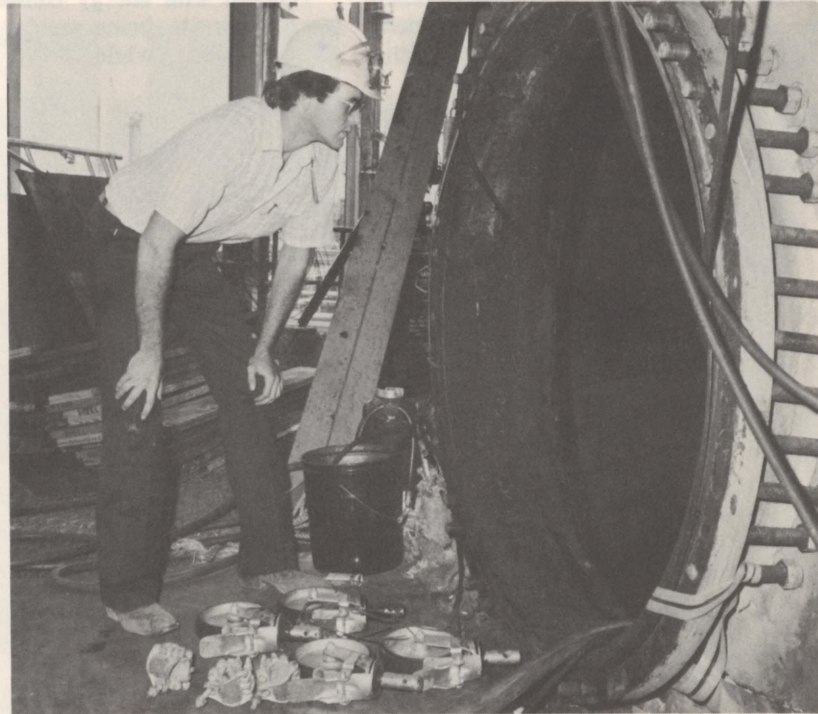
Erickson said, "After the turnaround, gasoline production will have a tendency to increase to the limit of Treater capacity—depending on Cat Cracker feed availability."

Bill Heidrick, operations supervisor, Cat Cracker, and coordinator of the turnaround, explained energy conservation will result from modifications being made at the fractionator to save fuel gas.

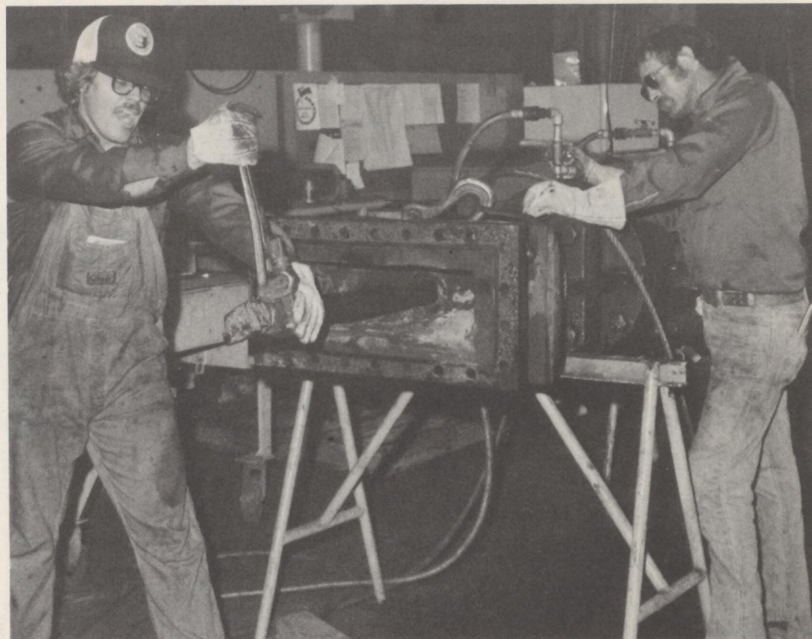
In addition, modifications are being made to the fourth stage catalyst recovery system—so its scrubber system can control emissions emerging from the smokestack at the Cat Cracker more efficiently and reduce the amount of pollutants entering the atmosphere.

But many other projects are also included in the turnaround. For example, the instrument system at the Cat Cracker is being updated so maximum computer control of the unit can be achieved. As a result of the installation of newer instruments and increased computer control of the unit,

Continued on Page 2



Steve Markland, a plant engineer, inspects work at the Cat Cracker reactor.



S.L. Zoch, left, and W.E. Clemishaw, both pipefitters at Maintenance North, repair a Cat Cracker slide valve.

# Cat Cracker turnaround is under way . . .

Continued from Page 1  
 operations personnel will not normally have to manually monitor and control instruments—as they have had to do in the past.

Erickson indicated the turnaround was necessary to head off future problems. "The needs for a Cat Cracker turnaround are based on the ability to conduct operations under safe working conditions. At some point when your equipment becomes inefficient due to catalyst erosion or wear, the

controllability of that system becomes impaired. That impacts safety and the risk is increased for you to operate."

Erickson pointed out the project was designed by Plant Engineering and Process Engineering East. Complex engineers have also supervised construction of the project.

For example, Mark Parris, a plant engineer, has been primarily concerned with energy conservation improvements being made during the turnaround while Steve Markland,

another plant engineer, has been in charge of reactor modifications.

Praising the work of other Complex employees connected with the project, Erickson said, "I think our operators and foremen, Maintenance North, and Bill Carrington, Maintenance supervisor, and all of his crew have done an outstanding job on this shutdown. It is one of the smoothest and best-organized shutdowns that I've been associated with since I've been at the Cat Cracker. They're all to be commended."



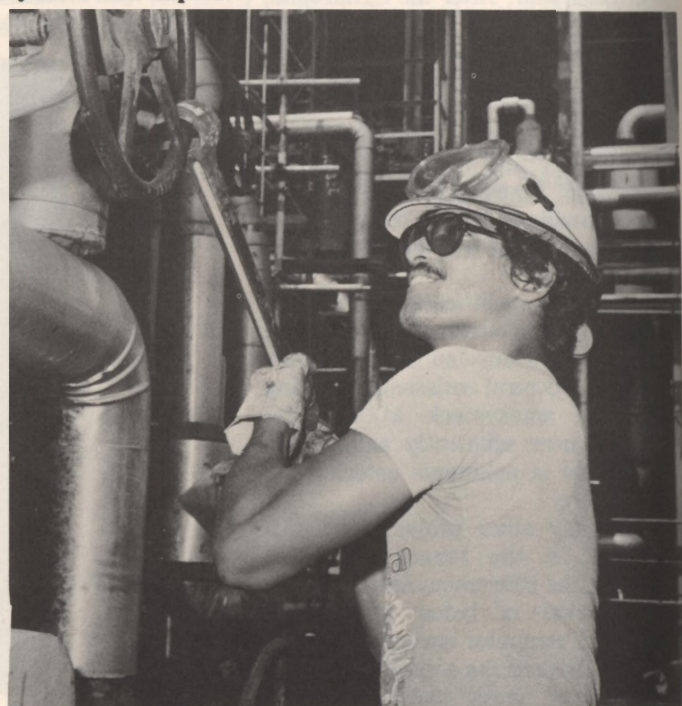
Angelo Melendez, left, an hourly shift foreman at the Cat Cracker, right, assists Allen Mott, an operator No. 1.



Herb Ely, a Safety inspector, uses a combustibles indicator to check a line for potential flammable concentrations of hydrocarbon vapors.



D.D. Burns, hourly instrument foreman, Maintenance North, looks over instruments at the Cat Cracker.

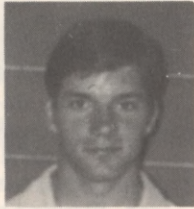


Tyrone Chenevert, an operator No. 1 at the Cat Cracker, adjusts a valve.

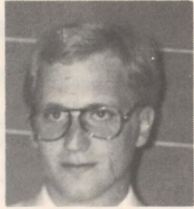
# Welcome to the Deer Park Manufacturing Complex



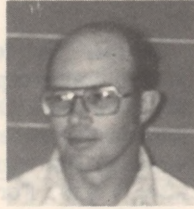
**P. Alexander**  
Engineer  
Plant Eng.  
Hired in May



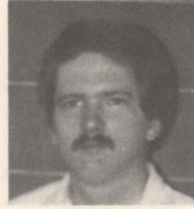
**Gary Baggett**  
General Helper  
Maint. South  
Hired in May



**Mark Berens**  
Engineer  
Plant Eng.  
Hired in May



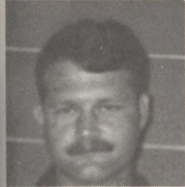
**R.H. Brown**  
General Helper  
Maint. South  
Hired in May



**Doug Bryant**  
Draftsman  
Eng. Support  
Hired in May



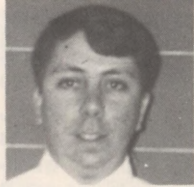
**W. Cunningham**  
General Helper  
Maint. South  
Hired in May



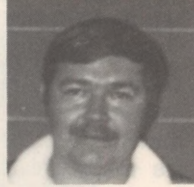
**Rusty Kelley**  
General Helper  
Maint. South  
Hired in May



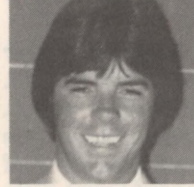
**Paul Kessinger**  
General Helper  
Maint. South  
Hired in May



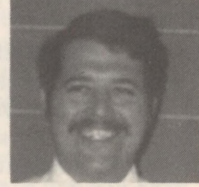
**Bill Lockhart**  
Draftsman  
Eng. Support  
Hired in May



**John Rhoads**  
General Helper  
Maint. South  
Hired in May



**J.W. Trevett**  
Engineer  
Pres. Equip.  
Hired in May



**F.H. Yocum**  
Engineer  
Proc. Eng.  
Trans. in May



## Cat Cracker safety party

Attending the Cat Cracker safety party were (left photo) Sam Zamora, D.J. Erickson and Mary Zamora and (right photo) Olivie

and Bill Polson.



## BA-SR safety party

Converging on the Happy Buddha for a BA-SR safety party were (left photo) Mr. and Mrs. W.D. Jackson and D.J. Fincher and

(right) Mr. and Mrs. P.H. Marx and Mrs. W.W. Conditt.

# Classifieds

## FOR SALE

1978 Type LT Camaro. Tilt steering wheel, cruise control, AM-FM cassette. \$5,000. Call 472-6002.

1969 Chevy Impala. Four-door sedan, automatic transmission, 350, radio, heater. Excellent work car. \$350 or make offer. Call 458-7294.

1976 Ford Courier. 49,000 miles. \$2,000. 1958 Ford Fairlane. Mint condition, collector's item. \$1,400. Call 1-295-0073.

1965 Chevrolet El Camino. Power steering and brakes. \$475. Call 457-1223.

1977 Dodge Aspen station wagon. Power steering and brakes, air, cruise control, automatic transmission, roof rack, 60-40 split seats, AM radio. Gets about 18-22 miles per gallon. 60,000 total miles, one owner, recent brake job. Call 456-8049 after 5 p.m.

1973 Mustang Mach I. Owned since 1973, good condition. 1976 Tri-hull boat. 120 HP outboard motor. Good for skiing or fishing. Call 481-5630.

1979 diesel VW Rabbit. Five-speed, gets 50 miles per gallon. \$7,000. Call 988-2943.

1977 Monte Carlo Landau. Loaded, 24,000 miles, very clean. \$3,995. Call 479-

## British visit DPMC

The Complex has had its share of visiting foreign dignitaries this year, with dignitaries coming from as far away as New Zealand and the People's Republic of China. But last week, the English decided to pay us a call.

Our special guests last week included the mayor and lady mayoress of London.

## Shellegram

Deer Park Manufacturing Complex

Published weekly by Shell's Deer Park Manufacturing Complex for its employees and pensioners. All inquiries should be addressed to **Shellegram**, Shell Oil Company, P. O. 100, Deer Park, Texas 77536.

Les Cole - Editor

0749.

Camper top for long wheel base pickup. Fair shape, all-glass windows. \$50. 4-2-2 home. One and a half stories. Assume 5¼ percent loan with equity or new loan. For camper top, call 475-9335 after 5 p.m. For home, call 473-7100 after 5 p.m.

Four mags and tires for half-ton Ford pickup. \$100. Cab-over camper shell. Includes 15-gallon water tank, rotating radio and TV antenna, 12-volt and 120-volt lights. \$200. Call 452-4984.

Condominium for sale or lease. Westwood Mall area (Southwest). Two bedrooms and baths, washer-dryer, microwave, frost-free refrigerator with ice maker, cathedral ceiling, wood-burning fireplace, tennis court. Call 778-0764 after 5 p.m.

One-acre lot. Located in Wimberley, Tex. Beautiful view. Call 946-4051.

High-pressure car wash in Deer Park. Five bays for car washing, vacuum cleaners. For more information, call 479-0301 after 5 p.m.

1980 Sears 14 cubic-foot refrigerator. Yellow. Used three months. \$400. Call 487-5256.

Tuxedo style couch. Loose cushions, natural background, soft shades (gold-green-blue-orange), top of the line. Bought new for \$700. Sacrifice at \$500. Call 334-1861.

Color TV. \$65. Call 480-1063.

Smith-Corona cassette electric typewriter. With 13-inch carriage, pica type. \$200 or trade for elite type. Gold sofa. \$35. Call 476-5595.

Dewatt radial arm saw. With custom table (six-feet-long by 18-inches-deep and 32-inches high) and assortment of

saw blades and disc sander. Call 479-2780 between 12:30 p.m. and 4:30 p.m.

## FOR RENT

3-1½-2 home in Deer Park. \$375 per month. Call 475-9335 after 5 p.m.

## WANTED

New carpool rider. For existing three-person car pool in the Southwest area. Working straight days. Call 778-0603.

Experienced drummer for rock and roll band. Experienced bass men are also welcome to call. Call 476-1642.

## FOUND

Class ring from Gonzales High School. Woman's gold digital watch. Tobacco pouch. Thermos jug. Baseball glove. Safety glasses. Call Les Cole at 6301, describe and claim.



## Richard dies

Louis Richard, a retired zone foreman at DPMC North, died Sept. 8. He had more than 30 years of company service when he retired Sept. 1, 1959.