

Shellegraph

Friday, May 17, 1974

Vol. 39, No. 19

BELLAIRE RESEARCH TEAM TESTS FOR NON-METHANE HYDROCARBONS

Did you notice the large crane north of the warehouse Tuesday through Thursday of last week? It was part of a program to measure for non-methane hydrocarbons by obtaining the total hydrocarbons and methane in a vertical profile from ground level to 300 feet above the ground. This program went on for some two months at both the refinery and the Chemical Plant.

The research team doing the field work at the refinery operated out of a converted travel home. Only now the refrigerator is used to store the operating instructions for the analyzers, the sink is a work counter and the commode area houses a generator. It's still mobile, however, and has undergone two remodelings: from a travel home to a van equipped to measure stack emissions and then to its present state of being able to test for hydrocarbons in the atmosphere.

The team from the Bellaire Laboratory consisted of W. R. "Bill" Keeler, W. T. "Bill" Shebs, D. M. "Todd" Morman, Larry E. Faith, Horace Knight and a hired meteorologist from IMSEC, who supplied atmospheric data for analyzing by the atmospheric computer model maintained by L. E. Faith. The team's coordinator, W. G. "Bill" Bartel, research chemist, MTM Petroleum Processing and Engineering Department, Environmental Group, stated that the primary purpose was to obtain the actual count in the ppb range of individual hydrocarbons - methane, propane, butane, etc., so that they will be able to ascertain the total emissions from the refinery and the Chemical Plant.

This is quite a job as there are some 20-25 measurable hydrocarbons. To assist in accumulating the necessary data, they utilized three anemometers: one located on the van; one in the refinery; and, one in the Chemical Plant. These



Bill Shebs is on his way up in the crane-hauled basket to a height of 300 feet to take atmospheric samples in 1/2 liter Kel-F bags. These samples will then be analyzed for content.

GASOLINE AVAILABILITY FOR MAY AT ALMOST THE SAME LEVEL AS IN APRIL

Shell Oil Company has made available nationwide approximately the same amount of gasoline in May as it did in April . . . 23.9 million gallons a day.

"We've taken this commitment knowing that it will draw down our inventories while we're still uncertain about the amount of crude oil we'll have available to manufacture into gasoline for the summer. In short, we could be borrowing against the future, specifically against the driving months of June, July and August," a Shell spokesman said.

Shell made the decision to "try to prevent an upsurge of panic buying, hoping that the end of May will not see

the levels in our tanks too near the bottom," according to the Shell spokesman.

"If motorists continue to conserve, everyone will be in a better position come summer," he added.

Since May has an additional day, the company's estimated monthly total will be greater than its April commitment. 741 million vs. 717 million gallons. Compared to prior years, Shell's May 1974 gasoline supply estimate represents a 15 percent increase over the amount sold in the base period of May 1972, but a 2.7 percent decrease from the amount sold in May 1973.

Shell estimates that all three of its distribution

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O' FARRELL, RETIRED PUMPER NO. 1, DIED



J. H. "Jake" O'Farrell, retired pumper No. 1, Dispatching Department, died May 12.

O'Farrell, 71, had some 33 years of company service at the time of his retirement in September of 1963.

Funeral services were held at 10:00 a.m. on May 14 at the Lindale Baptist Church, 6615 Irvington Blvd., Houston. Burial was at Brookside Memorial Park, 13421 East Texas Freeway in Houston.

He is survived by his wife, Mary Gertrude, and a son.

GASOLINE AVAILABILITY (Continued from page 1)

systems will provide the same amount of gasoline on a daily basis in May as they did in April. That is 16.7 million gallons a day for the company's East of the Rockies area. 6 million gallons a day for the West Coast area and 1.2 million gallons a day for the smaller Southwest area.

OIL BILGE PUMPING OUTLAWED AFTER JULY 1

Many boaters across the nation had better change their ways after July 1, 1974.

This is the date a new U.S. Coast Guard regulation goes into effect outlawing bilge pump discharge leaving a visible film or oily sheen on the water.

Law enforcement officials say there is some confusion among boat owners about the new regulation because most think it applies only to oil tankers and industrial vessels.

Pleasure boats 26 feet and longer will be required after July 1 to have a fixed or portable means of preventing discharge of oil bilge spots over the side.

According to law enforcement

MAN WITH AN IDEA

Samuel Van Syckel, a small businessman-turned-oil-buyer, who built the first successful pipeline, was one of the many men whose ideas sparked oil's first century of progress.

Despite the failure of several previous attempts to transport oil through pipes, Van Syckel defied ridicule and constructed a two-inch line near Pithole, Pa. It was five miles long, utilized welded joints and pumps, and moved 80 barrels an hour for \$1 a barrel.

Teamsters, who had been charging as much as \$4 a barrel to haul oil from Pithole to the nearest railroad sidings, fought the construction of Van Syckel's pipeline and others that soon followed it. They ripped them up or blasted them until stopped by guards armed with pick handles and shotguns. In the end, the teamsters had to admit that nothing could hold back this progressive oil industry development.

Since 1859, when the first oil well was drilled, men with ideas have worked to provide Americans with this abundant, low-cost source of energy — energy that has meant more human progress in the last century than in the previous 6,000 years.

FAMILY DAY - JUNE 1, 1974

pleasure boat operators will be fined this much for a violation.



"You wouldn't want me to be one of those kids who's smarter than his father, would you?"

BELLAIRE RESEARCH TEAM TESTS FOR NON-METHANE HYDROCARBONS

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anemometers determined the direction and velocity of the wind, which is a determining factor as to where the hydrocarbons were coming from. When provided with information from the tests and that provided by the meteorologist, Faith's

atmospheric computer model was utilized to back calculate emissions.

According to Bartel, they are doing this so that they will know more about how we are affecting the environment and what we can do about it.

SHELL'S NEW UNLEADED GASOLINE

Shell has begun phasing in its new unleaded gasoline to its dealer organization. The new product, called Super Regular Unleaded, will replace Super Regular Low Lead gasoline by July 1 and will meet the specifications set forth by the Federal Environmental Protection Agency.

Shell expects the new product to enjoy the same customer acceptance as Super Regular Low Lead.

After July 1, Shell will continue to market three grades of gasoline... Super Shell and Shell Regular, both of which contain lead, and the new product, Super Regular Unleaded.

TRAINING CLASS HELD



A recent training class included the following employees: Jan Wiseman, Alex Rios, Juanita Freeman, Henry Norris and John Hoffman in the first row, while Loren Brunner, D. A. Carter, Larry Guillory, Billy Tucker and Larry Davis make up the rear.

About the picture on the left, Bill Keeler marks the concentration of hydrocarbons as they appear on the output sheet of the analyzer, which was housed in the mobile van and located at the sampling site north of the warehouse.



Paul Dawson, son of R. W. Dawson, operator No. 1, Lubricating Oils Department, has received an appointment to the United States Naval Academy at Annapolis, Maryland. The appointment to the Academy is based upon character traits as well as scholastic accomplishments.

Paul, a Cum Laude graduating student of Deer Park High School, will enter the Academy on July 8.

He has participated in the Thespiens, Science Club, Quill and Scroll, and on the high school newspaper staff as editor.



According to the Chase Manhattan Bank, "Twenty years ago, a penny would move a gallon of oil from Texas to New York by tanker; and 20 years ago a penny would move a postcard from Texas to New York via the U.S. Postal Service.

"Today, private enterprise is still moving a gallon of oil from Texas to New York for a penny: but the government's postcard will cost you six cents."

This statement was issued prior to the recent increase to eight cents. A telling commentary for private enterprise vs. bureaucracy.

Gladys M. Reed, widow of J. B. Reed, machinist No. 1, Engineering Field, was featured at a recent art display at Strawberry Mall in Pasadena.

She has been taking lessons in oil painting for some 16 months and has shown her works on several occasions.

CLASSIFIEDS

FOR SALE

1972 Gran Torino, red with black top, 4-door, air, auto, power, new tires. 28,000 miles, excellent condition. \$2,350. Telephone: 472-4998

Montgomery Wards upright vacuum cleaner. \$25. Telephone: 485-3064 after 6

Chrysler air conditioner. Used one season. \$135. Telephone: 645-1155

Formica top dinette. Two leafs, six chairs. \$35. Telephone: 479-1338

22" Scott spreader in excellent condition. \$7. Telephone: 471-5365 after 5

1970 Plymouth Fury III, 4-door, hardtop, small V8, power brakes & steering, auto, A/C, good tires. One owner. 64,000 miles. Blue with white vinyl roof, blue vinyl interior. Telephone: 353-7030

Stereo: Pioneer SA500, Garrard SL55B, Utah 8" speakers, and Realistic TMI75B tuner. All together or separate. Telephone: 471-1431 after 5

Two Sears tires: C 78-13; will also fit 6.50-13. Sears battery, high voltage 36. All in new condition. Telephone: 471-1431 after 5

Sears exclusive 18-section adjustable dress form. Size B (36-43 bust; 37-45 hips). \$10. Telephone: 471-5365 after 5

Ford 600 backhoe front end loader. Gooseneck trailer with electric brakes. Telephone: 393-1059

Blond Lane cedar chest with fold-out shelf in excellent condition. \$35. Telephone: 471-5365 after 5

1964 Corvette Coupe, 4-speed, good tires, rebuilt engine, 327 cu inches, AM-FM radio. Telephone: 649-5452

SELL OR TRADE

\$12,000 2-bedroom home in Bluff Terrace for anything comparable value. Telephone: 781-0985

FOUND

Red key in the parking lot May 9. Please claim at SHELLEGRAPH office.

PERSONAL

I wish to express my thanks to each person who had a part in making my retirement so memorable. I will always treasure the friendships I acquired while working at Shell Oil Refinery. - R. F. Allen

GRADUATES' ISSUE DEADLINE

June 3 is the deadline for submitting pictures and information for the GRADUATES' ISSUE to be published in June. If you need a form, stop by the SHELLEGRAPH office and pick one up.

REFINERY LABORATORY EMPLOYEES MARK ANOTHER SAFE YEAR



Checking to see who is yet to come are Ray Flynn, Gene Craddock and Gene Johnston. Enjoying visiting with another are Pam Perkins, Jody Johnston, Charlotte Norton and her date, I. D. Wheat. Can't tell who told the joke but Della and Steve Slaymaker and Helen Muires laugh.

SHELLEGRAPH
Published by Shell Oil Company for its Houston Refinery and MM Research-Houston employees at Deer Park, Texas.
Mrs. Dotti West - Editor