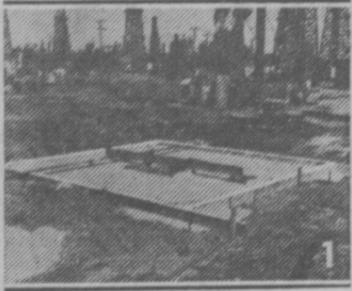


OIL RIG Construction is Job for Experts

WHAT GOES INTO A DERRICK?



BASE . . . for all oil well operations is constructed of concrete.

25 YEARS OF SERVICE
This city's first elementary school was originally located on Cabrillo avenue when it was opened 25 years ago this month. It is now on Martina avenue.

CITY'S NEWEST SCHOOL
Fern Avenue school is the last educational plant to be established here. It was opened nine years ago this month.

Kathryne Buffington

- PIANIST
- TEACHER

B.A. Music, Washington State College

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Do you know what goes into an oil derrick?

Torrance residents are familiar with their dark spires rising against the horizon—but do you know the average height of a rig?

The Herald asked a veteran derrick-builder for the details on a rig's component parts and learned that:

A rig is 130 feet high, fastened

to its foundation with three-quarter-inch bolts.

It is 24 feet square at the base and five feet eight inches square at the top.

Each base has about 35 yards of concrete in its foundation.

About 54,000 feet of lumber is used in the base, tower and housing.

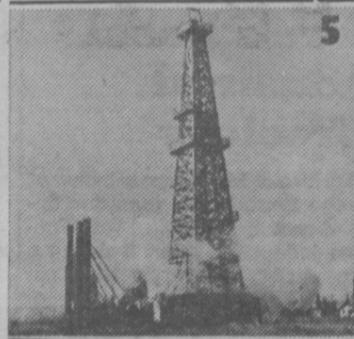
The timbers are fastened to-

gether with more than 700 pounds of nails.

It takes about a day to build the base, a day to erect the tower and a day to complete the housing.

From seven to nine men compose an oil-drilling crew—and they are paid about \$16 per day each.

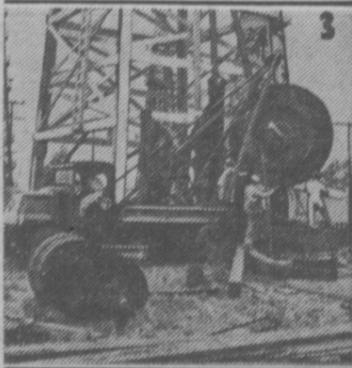
A rig costs approximately \$2,500 to construct.



SPUDDING IN . . . rig is complete and drilling can proceed.



GOING UP . . . Rig builders wait for timber to be hoisted up.



BAND WHEEL . . . Workmen putting all-important band wheel in place. This is one of the largest pieces of equipment at any new oil well drilling job.



MACHINERY . . . plays a major role in all drilling operations. There are many types of drilling equipment but they all have one thing in common—all are expensive. Installation is a job for strong men with infinite patience. Well-riggers appear to have that admirable quality.

TRAIN FOR WORK

Torrance high school stresses vocational studies to fit students for adult life. Even girls take some of the shop courses offered.

FIRST BABY REWARDED

The first baby born at Torrance Memorial hospital, Torrance Frost, who arrived May 23, 1925, won a prize of \$50.

VISITORS WELCOME AT TRANSMITTER

Twenty-five thousand visitors inspected radio's most modern studio plant in the first three months of operation by Station KNX of its Columbia Square facilities in Hollywood.

Now, the same tourist "radio-inspectors" also may see how a transmitter, which likewise embodies the newest improvements of electrical and architectural science, energizes the air with sounds blended under perfect conditions in those studios.

Visitors who wish to inspect the new transmitter in Torrance will be welcome from 3 to 5 p. m., each Wednesday, Saturday and Sunday. A regular licensed radio engineer will conduct parties through the new plant here. He is able to answer the questions of the expert electrical engineer as well as those of the interested layman.



CHAIRMAN . . . of the Torrance branch of the American Red Cross is Mrs. Flora McDonald. She is beginning her fifth year of local service with this great world wide humanitarian body.

be dismantled readily after a well is brought in. Operators customarily leave the wooden rig at the scene of operations. Both types permit occasional work, such as bailing or pulling the rods and tubing, to be performed.

'Christmas Trees' Replace Rigs In Oil Fields

Exponents of civic beautification who may scorn the man-made forest of derricks in the South Torrance oil field should remember that the black spires gradually decrease in a few years, being replaced by "Christmas trees" of gates and valves at well sites.

The state division of oil and gas recently reported that the Southern California derrick forests are on the wane. Noting that the average layman identifies the derricks as the actual well rather than the underground structure, the division pointed out the overhead derrick is only

part of the operating mechanism.

Clears Up Field

Development of the steel derrick provided a unit which can

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