

# RIG 4

## RIG

Our Rig 4 is a self-propelled, hydraulically raised double with a depth rating of 8,500 feet. This Rig is a very fast mover and has an extremely small and flexible footprint.

## DRAWWORKS

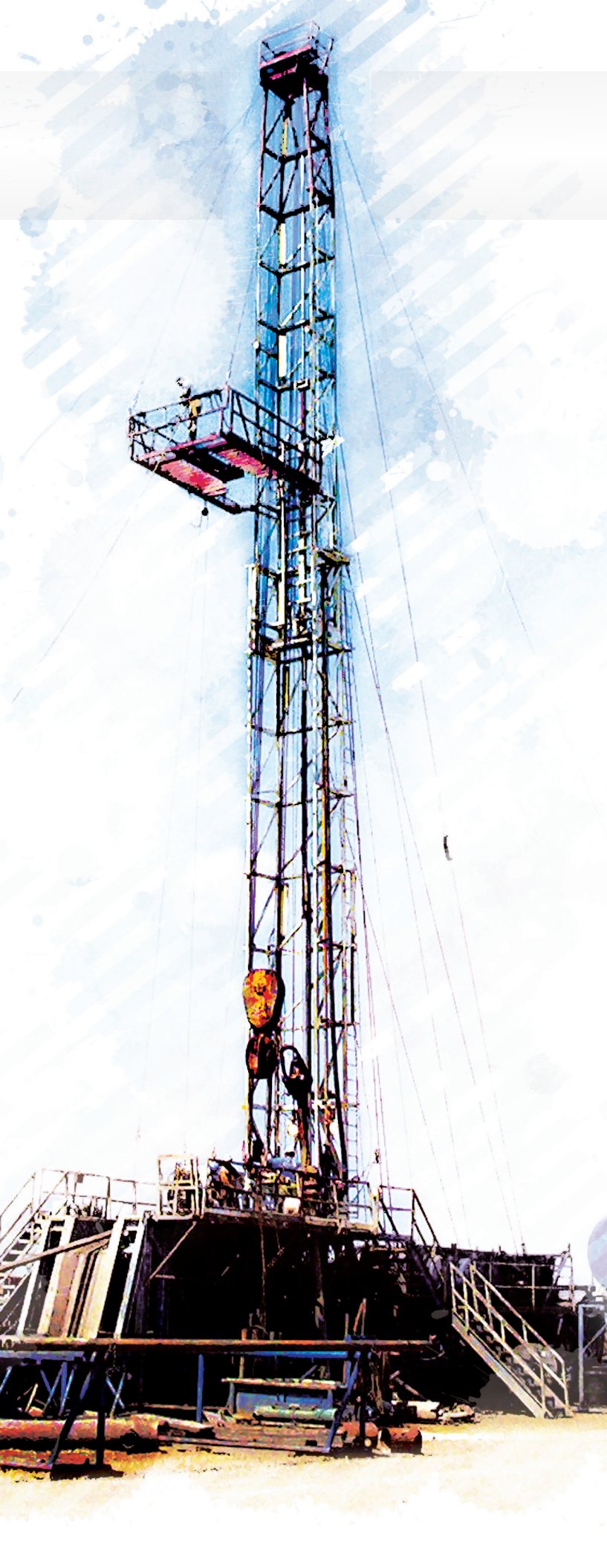
Cooper LTO-550 double drum hoist powered by one Detroit Diesel Series 60, 450 hp electronically controlled engine with Allison CLT-5860 Automatic Transmission.

## DERRICK

Pemco 104' with a maximum capacity of 260,000 lb. The derrick is hydraulically raised and scoped and is mounted on the back-in unit.

## SUBBASE

Hopper trailer mounted unit. The floor measures 18' X 18' X 12.5' high. Total capacity is 450,000 lbs. This unit includes a 45' racking platform and houses the rotary drive system.



## **ROTARY DRIVE SYSTEM**

National 17 1/2" rotary table powered by Detroit Diesel Series 50 electronically controlled diesel engine with Allison 3560 electronic transmission.

## **TRAVELING EQUIPMENT**

- Mud King model BHU-150, 150 ton traveling block hook combination with four 1" sheaves.
- Oilwell PC-150 swivel.
- 4 1/4" x 41' square kelly.
- Baash Ross 1RHS4 square drive kelly bushings

## **HANDLING EQUIPMENT**

PGDS HydraCat system for makeup and breakout. Air spinning chain. Pullmaster M8, 8000 lb. hydraulic winch for the main line. Gardener Denver HKK air tugger for the high line.

## **MUD PUMPS**

Pump 1 and 2 are identical. They are Gardener Denver PZ-8 triplex, powered by (1) Detroit Diesel 12V-2000. The power is transmitted by a Wichita 318 triple plate air clutch and (12) 8V belts. This pump is charged with a 5 x 6 centrifugal pump and comes equipped with 6" liners and pulsation dampener.

## **MUD SYSTEM**

Two tank in line configuration with an active capacity of 320 bbls. Equipped with a (2) PGDS 357 linear shale shakers, Halco 6" High Shear mud hopper, (2) electric driven 5 x 6 centrifugal pumps powered by 40 hp electric motors, (4) 5 hp mechanical agitators, mud dock, and pill pit.

## **GENERATORS:**

(2) 230 KW Spectrum Generators powered by Series 60 electronically controlled engines mounted in an enclosed 40' x 8' x 8' high house with Square "D" switchgear and Dresser Air Compressors.

## **STORAGE TANK**

Water tank is 40' x 8' x 8' high with a 450 barrel capacity equipped with (2) 1 1/2" x 2" centrifugal water pumps powered by Toshiba 5 hp motors.

Fuel tank is 2,000 gallon capacity. Mounted on a stand for gravity feed operation. The stand also houses a four compartment lubester and 200 gallon waste oil tank.

Secondary and tertiary containment is available upon request.

## **HOUSES**

Doghouse is 40' x 8' x 8' high with lockers, drinking water, first aid station, Tool Pusher Office and Parts Room.

## **MISCELLANEOUS**

15000 feet of .092" slickline is spooled on the sandline drum.