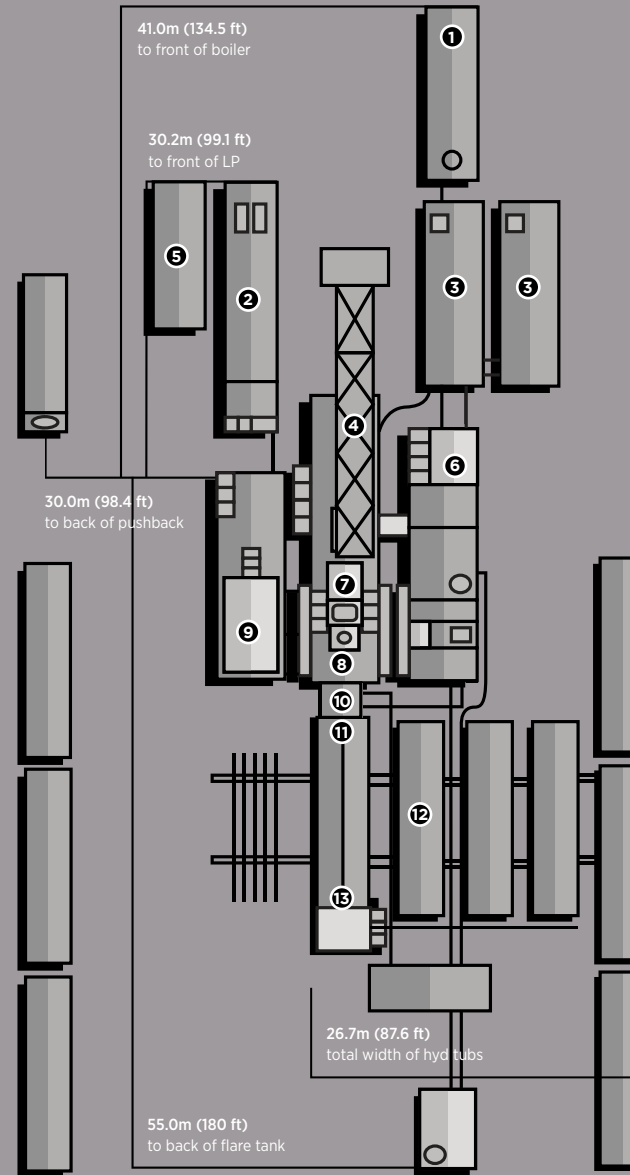


# RIG #9

173,000 daN / 390,000 LBS  
MAX HOOKLOAD  
4,500M / 15,000'  
VERTICAL DEPTH RATING



#### WELL CONTROL:

Class IV, 279mm (11") x 21,000 kPa (3,000psi) Blow out Preventers with a Class V 79mm (3") x 35,000 kPa (5,000 psi) double gut manifold and Cameron Type M3 Style chokes (adaptable to fit remote actuator), 36" Degasser with 10" vent line installed inside the main mud tank. This rig also comes complete with a cellar spill prevention kit (catch can) & Vac system which is integral to the rig. Class V, 279mm (11") x 35,000 kPa (5,000 psi) Blow out Preventers available also.

#### IRON ROUGHNECK:

60,000 ft/lb Make Up 80000 ft/lb Break out Hydraulic wrench with spinner. Controls will be optional Console controlled in the doghouse, or remote controlled. Rig will also be fitted with hydraulic rams and rotary make/break tongs for manual backup if required.

- 1 **BOILER:**  
1 - 125hp Hurst Boiler with self-contained 8m<sup>3</sup> (2,100 gal) water tank
- 2 **COMBINATION BUILDING:**  
2 - 540kw Stamford powered by 2 - 685hp Detroit Series 60 (14L) engines. Monitoring provided by a Woodward panel, which also synchronizes the two generators, and allows them to run in series.
- 3 **MUD PUMPS:**  
2 - F-1300 triplex pump, powered by 2 - Detroit Series 2000 (V-16-1340hp), w/Rouse 2 Speed Gear box and hydraulic clutch. Rated for 350,000 kPa (5,000 psi).
- 4 **MAST:**  
Hodgson Telescopic Range 2 Double Mast. Max static hook load 195,000 daN (440,000 lbs) - 10 lines. Racking board capacity 5,000m (16,400') x 4.5" Drill Pipe
- 5 **CHANGE SHACK/FUEL TANK**  
12 - Man Change shack with 35,000L (9200 gal) fuel storage tank
- 6 **MUD TANKS:**  
1 - Main Mud Tank 75m<sup>3</sup> (450 bbl), 4 Compartment circulating system, with additional pill tank and trip tank. 2 - Agitators situated in suction tanks, low pressure system powered by 2 - 5" x 6" Mission Magnum C-pumps, one with 13" impeller for pumping aerated mud systems. Hydraulic Roof System included for Invert operations
- 7 **DRAW WORKS:**  
TSM 7000 (850 hp) Rated for 173,000 daN (390,000 lbs). 10 x 1 1/8" drill line. Powered by 1 - Detroit Series 60 w/6 speed Allison transmission. Auxiliary braking by Eaton 324-disc brake.
- 7 **TOP DRIVE:**  
Warrior 250T Unified Block Top Drive with 2-Speed Haglund and Electric HPU (Max Static Load 222,400 daN (500,000 lbs)). Max TD rotary @ 160rpm Max torque @30,000 ft/lbs. Watercourse rated for 5,000 psi.
- 8 **TABLE:**  
Emsco Style 20.5" (520mm) powered hydraulically-for auxiliary use only.
- 9 **WATER TANK/DOGHOUSE:**  
Hydraulic raising system-separate sub-storage room. Pason drilling recorder system. 60m<sup>3</sup> (400 bbl) useable water tank. Hydraulic slide on floor side houses drillers console and controls.
- 10 **SUBSTRUCTURE:**  
Hodgson Substructure. Hydraulic Self Leveling. KB-Ground 5.2m (17") with 24" Risers Max Static Hook-load 195,000 daN (440,000 lbs) with full setback.
- 11 **BLOWOUT PREVENTERS:**  
Class 4 BOP System (21mPa)  
Class 4 BOP System (35mPa)  
Class 5 BOP System
- 12 **PIPE TUBS:**  
3 - Hydraulically controlled range 2 tubs  
6 - Loader Accessible range 2 tubs
- TUBULARS:**  
500 - 114mm (4 1/2") - CDS40, SS-105 Range 2 Drill pipe  
80 - 114mm (4 1/2") - CDS40 Integral HWDP  
16 - 159mm (6 1/4") x 4 1/2" XH, Range 2 Drill Collars  
3 - 203mm (8") x 6 5/8" Reg Range 2 Drill Collars
- 13 **CATWALK:**  
Can-Rig Model 3000 Skate Catwalk with scoping deck-adjustable for 16' or 18' sub height optional. Remote controlled.